DEPARTMENT OF THE AIR FORCE
AIR FORCE CIVIL ENGINEER CENTER

March 9, 2015

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SUBJECT: Final Quarterly Operations and Maintenance Data Summary Report (3rd Quarter / Calendar Year 2014)
SD-052-02 Building 775 Site (Buildings 774 and 776) and SD-052-01 Apron 2 Chlorinated Plume Site (Buildings 785 and 786)
Sub-Slab Vapor Mitigation Systems
March 2015
Former Griffiss Air Force Base (AFB) Rome, New York
Contract Number FA8903-10-D-8595 / Delivery Order 0014

Accompanying this letter please find the "Final Quarterly Operations and Maintenance Data Summary Report (3rd Quarter / Calendar Year 2014) for SD-052-02 Building 775 Site (Buildings 774 and 776) and SD-052-01 Apron 2 Chlorinated Plume Site (Buildings 785 and 786)" in relation to work conducted at the Former Griffiss AFB in Rome, New York under the referenced Performance Based Remediation (PBR) contract. The draft report was submitted on January 7, 2015.

This Report has been prepared by the Air Force Civil Engineer Center (AFCEC) to present the operations and maintenance of the respective sub-slab vapor mitigation systems at the Former Griffiss AFB in Rome, New York. This version of the report incorporates data up until September 2014.

We would appreciate review comments by April 10, 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.

David S. Farnsworth
Program Manager/BRAC Environment Coordinator
BRAC Program Execution Branch

FINAL

QUARTERLY OPERATIONS AND MAINTENANCE REPORT
SD-052-02 BUILDING 775 SITE (BUILDINGS 774 AND 776) AND
SD-052-01 APRON 2 CHLORINATED PLUME SITE (BUILDINGS 785 AND 786)
SUB-SLAB VAPOR MITIGATION SYSTEMS
(3RD QUARTER / CALENDAR YEAR 2014 / JULY - SEPTEMBER)

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March 2015

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LIST OF ACRONYMS AND ABBREVIATIONS

acfm	actual cubic feet per minute
AF	Air Force
AFB	Air Force Base
AFCEC	Air Force Civil Engineer Center
AFRPA	Air Force Real Property Agency
bgs	below ground surface
COC	Contaminant of Concern
CQCRs	Chemical Quality Controls Reports
CY	calendar year
DCE	dichloroethylene/dichloroethene
EEEPC	Ecology & Environment Engineering, P.C
FPM	FPM Remediations, Inc.
ft	feet
GAC	granular activated carbon
in w.g.	inches of water
J	The analyte was positively identified, but the quantitation is an estimation.
µg/L	micrograms per liter
µg/m^3	micrograms per cubic meter
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
O&M	Operation and Maintenance
PCE	tetrachloroethylene/perchloroethylene/tetrachloroethene/perchloroethene
PDI	pre-design investigation
RAWP	Remedial Action Work Plan
ROD	Record of Decision
RWPCF	Rome Water Pollution Control Facility
sq ft	square feet
SSVM	Sub-Slab Vapor Mitigation
SVE	Soil Vapor Extraction
SVI	Soil Vapor Intrusion

LIST OF ACRONYMS AND ABBREVIATIONS (continued)

TCA	trichloroethane
TCE	trichloroethylene/trichloroethene
TCLP	Toxicity Characteristic Leaching Procedure
USEPA	United States Environmental Protection Agency
VC	Vinyl Chloride
VMP	Vapor Monitoring Point
VOC	**V**olatile Organic Compound

1 INTRODUCTION

FPM Remediations, Inc. (FPM), in association with CAPE Environmental Management, Inc., under contract with the Air Force Civil Engineer Center (AFCEC), is conducting Operation and Maintenance (O&M) on Sub-Slab Vapor Mitigation (SSVM) systems associated with SD-052-02 Building 775 Site [Buildings 774 and 776] and SD-052-01 Apron 2 Chlorinated Plume Site [Buildings 785 and 786] at the former Griffiss Air Force Base (AFB) in Rome, New York. The O&M at the sites is conducted in accordance with provisions of the Basic Contract # FA8903-10-D-8595 and Delivery Order # 0014. Figure 1-1 depicts the SSVM site locations of Buildings 774, 776, 785 and 786.

This quarterly report has been prepared to document the SSVM systems O&M activities from the 3rd quarter of the calendar year (CY) 2014 including the months of July through September. Additionally, the report contains (as applicable) analytical results and discussion of soil vapor intrusion (SVI) sampling which is performed to evaluate SSVM. O&M was conducted in accordance with the Final Completion Report Sub-Slab Vapor Mitigation Systems (FPM, February 2013).

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2 SITE INFORMATION

2.1 SD-052-02 BUILDING 775 (BUILDINGS 774 AND 776)

Buildings 774 and 776 are located between Phoenix Drive and Patrol Road on Strategic Air Command Hill at the former Griffiss AFB in Rome, NY and are associated with the SD-052-02 Building 775 Site (Figure 2-1). Building 774 is a one-story, 18,990 square feet (sq. ft.) office building, currently occupied by a computer/security firm. The building is occupied on work days from 8 AM to 5 PM by approximately 45 people. Building 774 was built in 1959, but underwent major renovations in 2000. New windows and doors were installed, 36 new air handlers were installed, including new air ducts in ceilings and new cooling towers. The building is built on an 8-inch thick concrete slab, with no basement and most floors are covered with carpeting. Several floor drains exist in bathrooms, janitor closets and the boiler room.

Building 776 is a one-story, 27,410 sq. ft. office building, currently occupied by a software development firm. The building is occupied on work days from 7 AM to 6 PM by approximately 80 people. Building 776 was built in 1959, but underwent major renovations in 2002. New windows, which do not open, and doors were installed, the interior was refinished and most floors were covered with new carpeting. Heat and outdoor air are provided through 43 heat pumps. The building is built on a 3.5 to 6-inch thick concrete slab, with no basement. Several floor drains exist in bathrooms and one crack was observed in the concrete floor near the southeastern entrance door.

The Building 775 Site plume is located downgradient and south of former maintenance facilities in Buildings 774 and 776 and former fuel pump house Building 775. Although the source has not been identified, solvent use in Building 774 was thought to be a primary source of trichloroethylene (TCE) contamination. Solvent use was widespread in these facilities in the 1950s, 1960s, and early 1970s. The contaminated aquifer is comprised of silty sands with an average thickness extending from 60 feet (ft) below ground surface (bgs) to 120 ft bgs, where shale bedrock is encountered.

2.1.1 Groundwater Investigation

The primary contaminant exceeding New York State Department of Environmental Conservation (NYSDEC) Class GA Groundwater Standards is TCE, with minor detections of 1,1,1-trichloroethane (TCA) and perchloroethylene (PCE). Figure 2-1 shows Building 774 and 776 along with the location of monitoring wells. Monitoring well 775VMW-5, located near the corner of Building 776, is the only well in the maintenance area that contains elevated levels of TCE (99.2 micrograms per liter [µg/L] in September 2004). Most of the Building 775 plume appears to have migrated south toward Landfill 6. In September 2004, the maximum groundwater TCE concentration was 134 µg/L (detected at well 775MW-20, located near the leading edge of the plume near Perimeter Road). TCE was detected at 132 µg/L (in well 775VMW-10), which is also located near the leading edge of the plume near Perimeter Road. TCE in both of these wells was detected in the bottom half of the sandy aquifer in screened intervals from 88 to 120 ft bgs. Nearby well LF6MW-1 is screened in the upper 10 ft of the aquifer and does not have detectable TCE concentrations (FPM, February 2005). Based on the

current TCE distribution, it appears that the TCE was likely spilled in the vicinity of Building 776 and has migrated southward and downward in the aquifer.

Additional sampling was performed by Ecology & Environment, Inc., and FPM in 2006 as part of the feasibility study for the Building 775 Site. Ecology & Environment Engineering, P.C., (EEEPC) performed pre-design investigation (PDI) activities at the Building 775 Site starting in September 2006. First, two monitoring wells were installed (775MW-27 and -28). The wells were developed and sampled at the end of October into the beginning of November 2006. Results showed that the primary contaminant exceeding NYSDEC Class GA Groundwater Standards was TCE, with minor detections of 1,1,1-TCA and PCE. FPM performed sampling at several other monitoring wells at the Building 775 Site in order to create a complete understanding of current site conditions. The results and conclusions were reported in the Final PDI Report (EEEPC, February 2007).

A remedial action was selected through the On-base Groundwater Record of Decision (ROD) [Air Force Real Property Agency (AFRPA), December 2008] and described in the Remedial Action Work Plan (RAWP) [Parsons, July 2008]. The SVI in Buildings 774 and 776 is being managed as a separate operable unit and therefore is not included in the On-base Groundwater ROD. The remedial action is a groundwater extraction system with a discharge to an off-site treatment facility. The groundwater extraction system is designed to contain the contaminated plume and extract the contaminants from the aquifer which is located surrounding monitoring well 775VMW-5 and presented in Figure 2-1. The start-up date of the groundwater extraction system was January 5, 2009. At this time, FPM also started sampling at Building 775 Site to monitor the performance of the installed remedy. The most recent performance monitoring sampling results have shown TCE detections up to 68 µg/L occurring in 775VMW-5 (FPM, December, 2011). This is a decrease from the September 2004 sampling event, where monitoring results from 775VMW-5 showed a TCE detection of 99 µg/L.

2.1.2 2006 Soil Vapor Intrusion Evaluation

EEEPC also performed an SVI evaluation during the 2006 PDI activities (at Building 775 Site - SD052-02). Sub-slab sampling at the Building 775 Site indicated that chloroform and TCE were present in the sub-slab vapor at Buildings 774 and 776 at concentrations above the Air Force (AF) screening levels (FPM, October 2007). Indoor air sampling at both buildings indicated that these contaminants were present, but at concentrations below the AF screening levels. Sub slab vapor TCE concentrations ranged from 810 micrograms per cubic meter (µg/m^3) to 1,700 µg/m^3 at Building 774. Sub slab vapor TCE concentrations ranged from 700 µg/m^3 to 3,000 µg/m^3 at Building 776. The TCE and chloroform detections were likely associated with the groundwater contamination plume located in the area. TCE has been detected in groundwater at concentrations above screening levels, while chloroform has been detected in groundwater at concentrations below screening levels. The SVI evaluation sample locations are shown on Figure 2-1 and corresponding results are provided in Table 2-1.

This SVI survey was reviewed by the AF, NYSDEC, New York State Department of Health (NYSDOH) and United States Environmental Protection Agency (USEPA) and during

discussions among these parties, a plan for additional sampling was established, which was then implemented by FPM in April and May 2008 (FPM, April 2008).

2.1.3 Building 774 Soil Vapor Intrusion Results 2008

The indoor air TCE concentrations, reported for Building 774 during the April 2008 sampling round, were two orders of magnitude higher than those reported in the 2006 sampling round. The Building 774 point of contact (Dave Perella, Senior Facilities Engineer) confirmed that renovations, performed in Building 774 between December 2007 and May 2008, included carpet glue removal through solvent use. Indoor and outdoor air samples were recollected in May 2008 in Building 774. The recollected results show that indoor air TCE concentrations were similar to levels reported in 2006 (Table 2-3). Sub-slab vapor results for Building 774 slightly decreased in comparison to 2006 results. The highest result reported in 2008 was 590 µg/m^3 at location 774SSV-2.

In Building 774, the 2008 indoor air concentrations were within an acceptable range and did not pose any unacceptable risk to building occupants. The 2008 sub-slab vapor concentrations in Building 774 exceeded AF screening levels.

2.1.4 Building 776 Soil Vapor Intrusion Results 2008

The indoor air TCE concentrations reported for Building 776 during the April 2008 sampling round were comparable to levels reported in 2006. Sub-slab vapor results for Building 776 were lower compared to 2006 results. The highest result reported in 2008 was 110 µg/m^3 at location 776SSV-2.

In Building 776, the 2008 indoor air concentrations were within an acceptable range and did not pose any unacceptable risk to building occupants. The 2006 sub-slab vapor concentrations in Building 776 exceeded AF screening levels. Concentrations in 2008 were below screening levels.

2.2 SD-052-01 APRON 2 CHLORINATED PLUME (BUILDINGS 785 AND 786)

Buildings 785 and 786 are located on the SD-052-01 Apron 2 Chlorinated Plume Site at the former Griffiss AFB in Rome, NY (Figure 2-2). Buildings 785 and 786 are 28,251 sq. ft., unheated airplane hangars. The buildings are used for storage by the Griffiss International Airport. The buildings are largely open with several first and second floor offices in the southwest corners of the buildings. Buildings 785 and 786 were built in 1959 and were taken out of service in 1995 after the former Griffiss AFB was closed. The buildings are built on a 13.5 to 14-inch thick, unsealed concrete slab comprised of numerous concrete pads installed together with areas of caulked expansion gaps. Large visible cracks in the concrete floors were repaired. Two large trenches exist in the buildings; one along the large aircraft bay doors on the southeast side of the building and a smaller trench along the overhead door on the northwest side of the buildings. These trenches contain several cracks that may act as conduits. All heating and air handling equipment is in a state of disrepair and assumed inoperable. The buildings are poorly sealed due to broken windows, doors left ajar and holes observed in the sheet metal outer covering of the building. According to drilling logs from the site, silty sand and gravelly sands

are the predominant lithology encountered. Groundwater monitoring wells are currently present in Building 785 and outside in the vicinity of both buildings.

2.2.1 Groundwater Investigation

An extensive groundwater investigation has occurred surrounding Buildings 785 and 786, which is now in the performance monitoring phase. There are three primary contaminants in the plumes that exceed NYSDEC Class GA Groundwater Standards: TCE and its breakdown products cis-1,2-dichloroethylene (DCE) and vinyl chloride (VC). The southern plume is commingled with several petroleum fuel plumes originating from the Apron 2 fueling system. At locations where chlorinated solvents and fuel contaminants are commingled, significant reductive dechlorination is occurring. Therefore, the selected remedy is monitored natural attenuation, as stated in the On-base Groundwater ROD (AFRPA, December 2008). The SVI in Buildings 785 and 786 is being managed as a separate operable unit and therefore is not included in the On-base Groundwater ROD. Monitored natural attenuation was initiated on September 24, 2008. The most recent groundwater sampling results have shown TCE detections up to 25.5 µg/L at monitoring well 782VMW-105B, cis-1-2-DCE detections up to 45.7 µg/L at monitoring well 782VMW-78 and VC detections up to 63.7 µg/L at monitoring well 782VMW-96 (FPM, November 2013).

2.2.2 2006 Soil Vapor Intrusion Evaluation

EEEPC performed an SVI Evaluation in 2006 at the Apron 2 Chlorinated Plume Site. Buildings 782, 783, 784, 785, and 786 were evaluated. No exceedances of the screening levels were reported for Buildings 782, 783, and 784. The Nosedocks 1 and 2 ROD (AFRPA, July 2011) included the selected remedy of No Further SVI action or evaluation for these buildings. Sub-slab sampling at the Apron 2 Chlorinated Plume Site indicated that PCE, TCE and chloroform were present in the sub-slab vapor beneath Buildings 785 and 786 at concentrations above the AF screening levels. Sub-slab vapor sampling results for the 2006 sampling event showed TCE concentrations ranging from 2,300 µg/m^3 to 11,000 µg/m^3 at Building 785. TCE was detected beneath Building 786 at concentrations ranging from 4,700 µg/m^3 to 81,000 µg/m^3 in 2006 and PCE was detected at 2,200 µg/m^3at location 786SSV-1. Indoor air sampling indicated that PCE and TCE were present, but at concentrations below the AF screening levels. No chloroform was reported in the indoor air. TCE was detected consistently in groundwater samples from wells within the groundwater contamination plume. PCE was never detected in groundwater. Chloroform exceedances of the NYSDEC Class GA Groundwater Standards were reported in the March 2009 sampling round in virtually all monitoring wells at Building 786. These exceedances were attributed to a reported water line break which discharged drinking water for an extended period of time at the site. The chloroform exceedances have shown a decreasing trend after the leak was repaired. SVI evaluation sample locations are shown on Figure 2-2 and corresponding results are provided in Table 2-1.

This SVI survey was reviewed by the AF, NYSDEC, NYSDOH, and USEPA and during discussions among these parties, a plan for additional sampling was established, which was then implemented by FPM in April and May 2008 (FPM, April 2008).

2.2.3 Building 785 Soil Vapor Intrusion Results 2008

Sub-slab sampling in 2008 at the Apron 2 Chlorinated Plume Site indicated that chloroform and TCE exceeded screening levels in the sub-slab vapor beneath Building 785. Indoor air sampling indicated that these contaminants were present, but at concentrations below the screening levels. The April 2008 sampling round data were lower at 785SSV-1 (identical to two orders of magnitude lower) than those reported for the 2006 sampling round data. TCE detections ranged from 11 $\mu g/m^3$ to 2,200 $\mu g/m^3$.

2.2.4 Building 786 Soil Vapor Intrusion Results 2008

Sub-slab sampling in 2008 at the Apron 2 Chlorinated Plume Site indicated that PCE and TCE exceeded screening levels in the sub-slab vapor beneath Building 786. Indoor air sampling indicated that these contaminants were present, but at concentrations below the screening levels. Sub-slab vapor sampling results for the April 2008 sampling round were lower but within the same order of magnitude as those reported for the 2006 sampling round. Sub-slab vapor TCE concentrations ranged from 69 $\mu g/m^3$ to 19,000 $\mu g/m^3$. Generally, small petroleum detections were reported in all samples, but none exceeded the sub-slab screening levels.

2.3 SCREENING LEVELS FOR SOIL VAPOR INTRUSION EVALUATION

Human health risk-based screening values were established by the Air Force during the initial soil vapor intrusion evaluations at each site (FPM, October 2007). Appropriate exposure assumptions and toxicity data were used to calculate risk-based screening levels for indoor air and sub-slab vapor. Table 2-2 provides the indoor air screening levels and Table 2-3 provides the sub-slab vapor screening levels.

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3 SUB-SLAB VAPOR MITIGATION SYSTEM OPERATION AND MAINTENANCE

3.1 BUILDINGS 774 AND 776 SUB-SLAB VAPOR MITIGATION SYSTEM

FPM performed SSVM at Buildings 774 and 776 with continuous system operation starting on June 6, 2011. The Buildings 774 and 776 system is composed of four horizontal wells with a total combined screen length of 360 ft performing under a flow rate of 1 actual cubic feet per minute (acfm) per foot of screen. Building 774 has three horizontal wells with a total combined screen length of 250 ft and Building 776 has one horizontal well with a screen length of 180 ft. The SSVM system is shown in Figure 3-1.

Table 3-1 illustrates the SSVM Systems O&M schedule. O&M includes weekly system component readings (system temperature, flow, vacuum and motor status), semi-annual 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 semi-annually during the heating and cooling months.

3.1.1 Previous Buildings 774 and 776 Sub-Slab Vapor Mitigation Operations and Maintenance Results

3.1.1.1 Buildings 774 and 776 Sub-Slab Vapor Mitigation Operations and Maintenance 2011

The installation, start-up and initial operation of the SSVM system at Buildings 774 and 776 occurred under a separate contract (FA8903-04-D-8687). This mitigation action is documented in the Final Completion Report Sub-Slab Vapor Mitigation Systems (FPM, February 2013). The performance evaluation section of this referenced report documents sub-slab vapor sampling results indicating a decreasing trend in TCE levels in Buildings 774 and 776. The highest reported result in Building 774 was during the baseline sampling event (May 4, 2011) at 2,900 µg/m^3 at location 774VMP-2. After five months of system operation, the reported result for this location was 11 µg/m^3. The highest reported result in Building 776 during the baseline sampling event (May 4, 2011) was 830 µg/m^3 at location 776VMP-3. After five months of system operation, the reported result for this location was 7.3 µg/m^3.

All indoor and outdoor air concentrations were within an acceptable range and did not pose an unacceptable risk to building occupants. All sub-slab vapor concentrations fell below screening levels after five months of system operation.

4th Quarter / Calendar Year 2011 (November - December)

It was documented in the Quarterly Operations and Maintenance Report, (4th Quarter / Calendar Year 2011), (FPM, May 2012), that the Buildings 774 and 776 SSVM system extracted approximately 30 gallons per week of water which was collected in a vapor-liquid separator. An application to discharge extracted water into the sanitary sewer was submitted to the Rome Water Pollution Control Facility (RWPCF). Discharge approval was received on January 5, 2012.

A vapor effluent sample was collected on December 19, 2011 from the Buildings 774 and 776 SSVM system. The effluent sampling location was installed on the SSVM system's exhaust stack following carbon filtration in the treatment chain. TCE was not detected in the effluent samples of Buildings 774 and 776.

GAC replacement was conducted in December 2011 following the effluent sampling event. GAC replacement is based on the carbon life span which is a factor of adsorption of the effluent contaminant of concern (COC) concentrations. This replacement schedule for GAC was initially determined through calculations outlined in the Work Plan for SSVM Design (FPM, February 2011). These calculations were then checked empirically using the December 2011 effluent sampling results. It was determined that a bimonthly schedule for GAC replacement (FPM, May 2012) was adequate and effluent sampling was eliminated from the O&M schedule once the carbon life span was calculated and subsequent GAC replacement scheduled.

3.1.1.2 Buildings 774 and 776 Sub-Slab Vapor Mitigation Operations and Maintenance 2012

1st Quarter / Calendar Year 2012 (January - March)

GAC was replaced on February 23, 2012, in accordance with the O&M schedule for carbon replacement.

Sampling occurred at Buildings 774 and 776 on January 25 and 26, 2012. The highest TCE concentration for sub-slab sampling results in Building 774 was at location 774VMP-1, with a concentration of 4.8 µg/m^3. The indoor air sampling result for TCE at Building 774 was 1.5 J µg/m^3 (The J data qualifier indicates that the analyte was positively identified, but the quantitation is an estimation). TCE was not detected in the outdoor air sample collected between Buildings 774 and 776. For Building 776, the highest sub-slab TCE concentration was in location 776VMP-3, at 13 µg/m^3. The indoor air TCE concentration was 0.41 F µg/m^3. All indoor and outdoor air concentrations were within an acceptable range and did not pose any unacceptable risk to building occupants. All of the sub-slab results were below vapor screening levels.

Semi-annual influent sampling occurred on January 24, 2012, prior to sub-slab vapor sampling to determine effective soil vapor extraction (SVE). The influent sampling location was installed on the SSVM system's exhaust stack before carbon treatment. Influent results at Buildings 774 and 776 for TCE were 300 µg/m^3.

2nd Quarter / Calendar Year 2012 (April - June)

GAC was replaced on April 23, 2012, in accordance with the O&M schedule for carbon replacement. Sampling did not occur at Buildings 774 and 776 during the 2nd quarter / CY 2012.

Weekly system component readings from this quarter showed that the system vacuum had a decreasing trend. This is attributed to the system initially extracting water from the sub-surface

up until April 2012. The vapor liquid separator did not collect any water past April 2012. Therefore, the approved permit (FPM-001) through RWPCF for Buildings 774 and 776 to discharge extracted water into the sanitary sewer was reviewed and closed.

3rd Quarter / Calendar Year 2012 (July - September)

GAC was replaced on July 17 and September 5, 2012 at the site. Additional O&M activities that occurred at the Buildings 774 and 776 SSVM system included the replacement of the inline air filter.

Sub-slab vapor, indoor and outdoor air sampling occurred at Buildings 774 and 776 on August 6, 2012. Only one outdoor air sample was collected between Buildings 774 and 776 due to the close proximity of the buildings. The highest sub-slab TCE concentration was 20 µg/m^3 at Building 774 and 12 µg/m^3 at Building 776. At Building 774, TCE was reported at 0.35 F µg/m^3 in the indoor air and was non detect at Building 776. TCE was also not detected in the outdoor air between Buildings 774 and 776. All of the sub-slab results were below vapor screening levels. All indoor and outdoor air concentrations were within an acceptable range and did not pose any unacceptable risk to building occupants.

Semi-annual influent sampling occurred on August 3, 2012, prior to sub-slab vapor sampling to determine effective SVE. The influent sampling location is on the SSVM system's exhaust stack before carbon treatment. Influent results at Buildings 774 and 776 for TCE were 190 µg/m^3.

4th Quarter / Calendar Year 2012 (October - December)

GAC was replaced on December 4, 2012 at the site. Sampling did not occur for the Buildings 774 and 776 SSVM system during this quarter.

3.1.1.3 Buildings 774 and 776 Sub-Slab Vapor Mitigation Operations and Maintenance 2013

1st Quarter / Calendar Year 2013 (January - March)

The GAC was not replaced during this quarter. Additional O&M activities conducted during this quarter included troubleshooting system shutdown in January. The system was not running upon arrival for the weekly inspection on January 25, 2013. It was assumed that the system had been off for up to one week since the system was operating during the previous week's readings. Troubleshooting occurred and it was determined that the contactor switch in the control panel failed most likely due to condensation. After troubleshooting, the contactor switch was replaced and the system was turned on. There were no additional shut downs reported during this quarter.

Vacuum readings were collected at all VMPs associated with the system on February 14, 2013. Results showed all VMPs were under vacuum except for 774VMP-1 and -3. The lack of vacuum is attributed to the structural foundation and/ or preferential paths. Also, 774VMP-3 is located at the point designed to capture data from the worst case scenario, and is installed at the end of the 774SSVM-1 well screen with the greatest distance off axis.

Sub-slab vapor, indoor and outdoor air sampling occurred at Buildings 774 and 776 on February 21, 2013. The highest sub-slab TCE concentration in Building 774 was reported for location 774VMP-3 at 1.3 F µg/m^3 and the highest sub-slab TCE concentration in Building 776 was reported for location 776VMP-3 at 2.4 µg/m^3. TCE was not detected in the indoor air sample from Building 776 or the outdoor air sample. TCE was detected with a concentration of 0.22 F µg/m^3 in the indoor air at Building 774. All indoor and outdoor air concentrations were within an acceptable range and did not pose any unacceptable risk to building occupants. All of the sub-slab vapor results were below vapor screening levels.

Semi-annual influent sampling occurred on February 15, 2013, prior to sub-slab vapor sampling to determine effective extraction. The influent sampling location is on the SSVM system's exhaust stack before carbon treatment. Influent results at Buildings 774 and 776 for TCE were 20 µg/m^3. An effluent sample was also collected. TCE was non detect.

2nd Quarter / Calendar Year 2013 (April - June)

GAC was replaced on April 24, 2013. Additional O&M activities conducted during this quarter included water removal from the knock-out tank. The system was not running upon arrival for the weekly inspection on April 4, 2013. The system is programmed to automatically shut down when the knock-out tank contains more than half of its capacity of water. It was assumed that the system was shut down as a result of the water level in the knockout tank and that it had been off for up to one week since the system was operating during the previous week's readings. Approximately 27 gallons of water was pumped out of the knock-out tank into a 55-gallon drum awaiting sampling and proper disposal. After the water was removed, the system was turned on. There were no additional shut downs reported during this quarter.

3rd Quarter / Calendar Year 2013 (July - September)

The GAC was replaced on September 13, 2013 and no system shutdowns were reported during this quarter. Additional water (approximately 25 gallons) was pumped out of the knock-out during this quarter.

As a result of the collection of water from the knock-out tank in April 2013, the discharge permit through the City of Rome was re-opened. Prior to the re-opening of the discharge permit, the water was sampled on August 8, 2013 and analyzed for volatile organic compounds (VOCs). Only acetone was detected. The detected concentration was 3.9 J µg/L. The NYS Groundwater Standard is 50 µg/L. The J data qualifier indicates that the analyte was positively identified, but the quantitation is an estimation. The water was discharged to the City of Rome sewer system on September 13, 2013. Additional preventative measures have been implemented as a result of the water collection in the knockout tank. The preventative measures include inspections of the knock-out tank during the weekly system inspections and removal of any water. All collected water will be stored in 55-gallon drums and sampled prior to discharge to the City of Rome sewer system. No additional water was removed through the remainder of the quarter.

A composite sample of the spent GAC from the SSVM system at Buildings 774 and 776 was collected on August 8, 2013 and analyzed for Toxicity Characteristic Leaching Procedure (TCLP) VOCs and ignitibility. There were no detections and disposal of the spent carbon is pending.

Sub-slab vapor, indoor and outdoor air sampling occurred at Buildings 774 and 776 on August 8, 2013. The highest sub-slab TCE concentration in Building 774 was reported for location 774VMP-3 at 0.33 F µg/m^3 and the highest sub-slab TCE concentration in Building 776 was reported for location 776VMP-2 at 0.20 F µg/m^3. All of the sub-slab results were below vapor screening levels. TCE was not detected in the indoor air or outdoor air samples from Buildings 774 and 776.

Semi-annual influent sampling occurred on February 15, 2013, prior to sub-slab vapor sampling to determine effective extraction. The influent sampling location was installed on the SSVM system's exhaust stack before carbon treatment. Influent results at Buildings 774 and 776 for TCE were 120 µg/m^3.

4th Quarter / Calendar Year 2013 (October - December)

The GAC was not replaced and no system shutdowns were reported during this quarter. Also, no water was observed in the knock-out tank requiring removal. Vacuum readings were collected at all VMPs associated with the system on November 1, 2013. Vacuum readings at Building 774 VMPs were 0.01 inch w.g. (774VMP-1), 0.11 inch w.g. (774VMP-2), and 0.015 inch w.g. (774VMP-3). Vacuum readings at Building 776 VMPs were 0.095 inch w.g. (776VMP-1), 0.015 inch w.g. (776VMP-2), and 0.01 inch w.g. (776VMP-3).

3.1.1.4 Buildings 774 and 776 Sub-Slab Vapor Mitigation Operations and Maintenance 2014

1st Quarter / Calendar Year 2014 (January - March)

The GAC was replaced January 13, 2014 and no system shutdowns were reported during this quarter.

Sub-slab vapor, indoor and outdoor air sampling occurred at Buildings 774 and 776 on January 30, 2014. The highest sub-slab TCE concentration in Building 774 was reported for location 774VMP-1 at 6.8 µg/m^3 and the highest sub-slab TCE concentration in Building 776 was reported for location 776VMP-3 at 2.6 µg/m^3. All of the sub-slab vapor results were below vapor screening levels. TCE was detected with a concentration of 0.34 J µg/m^3 in the indoor air at Building 774 and 0.26 J µg/m^3 in the indoor air at Building 776. The TCE concentration detected in the outdoor air sample was 1.2 µg/m^3. All indoor and outdoor air concentrations were within an acceptable range and did not pose any unacceptable risk to building occupants.

Semi-annual 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 SSVM system's

exhaust stack before carbon treatment. Influent results at Buildings 774 and 776 for TCE were 32 µg/m^3. An effluent sample was not collected.

2nd Quarter / Calendar Year 2013 (April - June)

The GAC was replaced on May 20, 2014 and no system shutdowns were reported during this quarter. In addition, no water removal from the knockout tank was required during this quarter.

3.1.2 3rd Quarter / Calendar Year 2014 (July - September) Buildings 774 and 776 Sub-Slab Vapor Mitigation System Operations and Maintenance Results

The SSVM system at Buildings 774 and 776 has been in operation since June 2011. O&M activities conducted during this quarter included weekly system component readings (system temperature, flow, vacuum and motor status), periodic GAC replacement, and semi-annual indoor and outdoor air, sub-slab vapor, and influent sampling. The system flow rate and vacuum readings collected in previous quarters and this quarter are illustrated on Figure 3-2 and Figure 3-3, respectively. The readings are collected prior to the regenerative blower on each individual well head. However, it should be noted that an additional horizontal well, 774SSVM-3, was installed under Building 774 as shown in Figure 3-1. This well ties into 774SSVM-2 underground and therefore is part of the flow rate and vacuum reading collected for 774SSVM-2. The GAC was not replaced this quarter and no system shutdowns were reported during this quarter. In addition, no water removal from the knockout tank was required during this quarter. The O&M field forms are presented in Appendix A. The waste inventory tracking form for the spent carbon is provided in Appendix B.

3.1.2.1 Buildings 774 and 776 Sub-Slab Vapor Mitigation System Soil Vapor Monitoring

Sub-slab vapor, indoor and outdoor air sampling occurred at Buildings 774 and 776 on July 17, 2014. All sampling results are presented in Table 3-2. Only one outdoor air sample was collected between Buildings 774 and 776 due to the close proximity of the buildings. The outdoor air sample result is included in Table 3-2 with the Building 776 analytical results. All Daily Chemical Quality Controls Reports (CQCRs) completed during this event are provided in Appendix C. The highest sub-slab TCE concentration in Buildings 774 and 776 were detected as follows:

- Building 774 - TCE concentration: 9.2 J µg/m^3 at location 774VMP-3, and
- Building 776 - TCE concentration: 3.5 µg/m^3 at location 776VMP-3.

The indoor and outdoor air TCE concentrations were detected as follows:

- Building 774 - TCE concentration was non detect in the indoor air,
- Building 776 - TCE concentration: 0.95 J µg/m^3 in the indoor air, and
- TCE concentration: 0.53 J µg/m^3 in the outdoor air between Buildings 774 and 776.

All of the sub-slab results were below vapor screening levels. All indoor and outdoor air concentrations were within an acceptable range and did not pose any unacceptable risk to

building occupants. Figures 3-4 and 3-5 show the sub-slab TCE vapor trend chart in both Buildings 774 and 776. The trend lines calculated are exponential trend lines based on the coefficient determination best fit regression line. The data fits an exponential trend the best because of the significant decrease in TCE vapor after the initial start-up of the system. As shown in Figure 3-4, there has been some fluctuation in the Building 774 sub-slab TCE vapor results. During the past four rounds the results have varied an order of magnitude from non-detect to 9.2 J µg/m^3. This could be attributed to non-uniform system operation and inconsistent vacuum radius of influences in the sub-slab. All raw lab data and validated lab data are provided in Appendix D and Appendix E, respectively.

Semi-annual influent sampling occurred on July 16, 2014, prior to sub-slab vapor sampling to determine effective SVE. The influent sampling location was installed on the SSVM system's exhaust stack before carbon treatment. Influent results at Buildings 774 and 776 for TCE were 97 µg/m^3. An effluent sample was not collected. Table 3-3 summarizes influent results since the start-up of the SSVM system.

3.2 BUILDINGS 785 AND 786 SUB-SLAB VAPOR MITIGATION SYSTEM

FPM performed SSVM at Buildings 785 and 786 starting on May 19, 2011. The Buildings 785 and 786 system is composed of two horizontal wells with a total combined screen length of 300 ft performing under a flow rate of 1 acfm per foot of screen. Building 785 has one horizontal well with a screen length of 140 ft and Building 786 has one horizontal well with a screen length of 160 ft. The SSVM system is shown in Figure 3-6.

Table 3-1 illustrates the SSVM Systems O&M schedule. O&M includes weekly system component readings (system temperature, flow, vacuum and motor status), weekly VMP vacuum measurements, and GAC disposal and replacement every four months. Indoor and outdoor air sampling, sub-slab vapor sampling, and influent sampling are conducted semi-annually during the heating and cooling months.

3.2.1 Previous Buildings 785 and 786 Sub-Slab Vapor Mitigation Operations and Maintenance Results

3.2.1.1 Buildings 785 and 786 Sub-Slab Vapor Mitigation Operations and Maintenance 2011

The installation, start-up and initial operation of the SSVM system at Buildings 785 and 786 occurred under a separate contract (FA8903-04-D-8687). This mitigation action is documented in the Final Completion Report Sub-Slab Vapor Mitigation Systems (FPM, February 2013). The performance evaluation section of this report documents sub-slab vapor sampling results indicated a decreasing trend in TCE levels in Buildings 785 and 786 (Figure 3-7 and 3-8). The highest reported result in Building 785 was during the baseline sampling event (March 18, 2011) at 720 µg/m^3 at location 785VMP-4. After five months of system operation, the reported result for this location was 33 µg/m^3. The highest reported result in Building 786 was during the baseline sampling event (January 18, 2011) at 4,900 µg/m^3 at location 786VMP-1. After five months of system operation, the reported result for this location was 49 µg/m^3.

Location 785VMP-5 was not sampled during the baseline sampling event due to retained water observed in the VMP. A new location was installed north of the horizontal well. The new location, also called 785VMP-5, was sampled during the three-month sampling event and TCE was reported at 610 µg/m^3. After five months of system operation, the reported result for this location was 140 µg/m^3.

All indoor and outdoor air concentrations were within an acceptable range and did not pose any unacceptable risk to building occupants. All sub-slab vapor concentrations fell below screening levels after five months of system operation.

4th Quarter / Calendar Year 2011 (November - December)

A vapor effluent sample was collected on December 19, 2011 from the Buildings 785 and 786 SSVM system. The effluent sampling location was installed on the SSVM system's exhaust stack following carbon filtration in the treatment chain. Results showed a TCE concentration of 4.1 µg/m^3.

GAC replacement was conducted in December 2011 following the effluent sampling event. GAC replacement is based on the carbon life span which is a factor of adsorption of the effluent contaminant of concern (COC) concentrations. This replacement schedule for GAC was initially determined through calculations outlined in the Work Plan for SSVM Design (FPM, February 2011). These calculations were then checked empirically using the December 2011 effluent sampling results. It was determined that a bimonthly schedule for GAC replacement (FPM, May 2012) was adequate and effluent sampling was eliminated from the O&M schedule once the carbon life span was calculated and subsequent GAC replacement scheduled.

3.2.1.2 Buildings 785 and 786 Sub-Slab Vapor Mitigation Operations and Maintenance 2012

1st Quarter / Calendar Year 2012 (January - March)

GAC was replaced on February 23, 2012, in accordance with the O&M schedule for carbon replacement.

Sampling occurred at Buildings 785 and 786 on January 27, January 31 and February 7. At the Building 785 Site, the highest sub-slab TCE concentration resulted in 18 µg/m^3 at location 785VMP-5. TCE was not detected in the indoor air of Building 785. TCE was not detected in the outdoor air sample collected between Buildings 785 and 786. The highest sub-slab TCE concentration in Building 786 was at location 786VMP-2 at a level of 22 µg/m^3. This location also has a detection for chloroform at 12 µg/m^3. The concentration for chloroform was above sub-slab screening levels up until this sampling event. TCE was not detected in the indoor air of Building 786. All indoor and outdoor air concentrations were within an acceptable range and did not pose any unacceptable risk to building occupants. All of the sub-slab results were below vapor screening levels.

Semi-annual influent sampling occurred on January 24, 2012, prior to sub-slab vapor sampling to determine effective SVE. The influent sampling location was installed on the SSVM system's exhaust stack before carbon treatment. Influent results for TCE were 140 µg/m^3.

2nd Quarter / Calendar Year 2012 (April - June)

GAC was replaced on April 23, 2012, in accordance with the O&M schedule for carbon replacement. Sampling did not occur at Buildings 785 and 786 during the 2nd quarter / CY 2012.

3rd Quarter / Calendar Year 2012 (July - September)

GAC was replaced on July 5 and September 5, 2012 at the site. Additional O&M activities occurred at the Buildings 785 and 786 SSVM system during the 3rd Quarter / CY 2012 besides the weekly system component readings. During system readings on August 24, 2012, it was observed that system vacuum had decreased and the flow rate in horizontal well 786SSVM-1 had significantly increased. The cause was investigated and the dead end of the horizontal well 786SSVM-1 was damaged. Therefore, the system was shut down and the cap was repaired. The system was turned back on the next day following the repairs.

On August 31, 2012, the system was found to not be operating upon arrival. Troubleshooting procedures were followed including checking the power source and checking for dirt build up in the regenerative blower. It was observed that the regenerative blower was clean, but the power source was not adequate. Griffiss Utility Service Corporation was contacted and they determined that a transformer used by the Buildings 785 and 786 SSVM system was not working properly. The transformer was replaced. Also during the down time the electrical motor of the regenerative blower was brought to an electrical motor service shop and the bearings were replaced. Following the electrical motor servicing, the system was turned back on and began operation on October 25, 2012.

Sub-slab vapor, indoor and outdoor air sampling occurred at Buildings 785 and 786 on August 8, 2012. One outdoor air sample was collected between Buildings 785 and 786 due to the close proximity of the buildings. The highest sub-slab TCE concentration was 39 µg/m^3 at Building 785 and 110 µg/m^3 at Building 786. TCE was not detected in the indoor air or outdoor air samples for both buildings. All of the sub-slab results were below vapor screening levels. All indoor and outdoor air concentrations were within an acceptable range and did not pose any unacceptable risk to building occupants.

Semi-annual influent sampling occurred on August 3, 2012, prior to sub-slab vapor sampling to determine effective SVE. The influent sampling location is on the SSVM system's exhaust stack before carbon treatment. Influent results for TCE were 250 µg/m^3.

4th Quarter / Calendar Year 2012 (October - December)

The system was not in operation from October 1 through October 25, 2012 as described in the 3rd Quarter / CY 2012 O&M text. GAC was replaced on December 4, 2012 at the site. Sampling did not occur for the Buildings 785 and 786 SSVM system during this quarter.

3.2.1.3 Buildings 785 and 786 Sub-Slab Vapor Mitigation Operations and Maintenance 2013

1st Quarter / Calendar Year 2013 (January - March)

The GAC was not replaced during this quarter. Vacuum readings collected at all VMPs associated with the system on February 14, 2013. Results showed all VMPs were under vacuum except for 786VMP-2. The lack of vacuum is attributed to the structural foundation and/ or preferential paths. As part of the Building 786 interim removal action (FPM, March 2002), a 12 feet by 16 feet area was excavated down to 10 feet bgs. The excavated area was backfilled with crushed stone. The location of the excavation was on the northwest corner of Building 786. The excavation was relatively close (30 feet away) to 786VMP-2 and may create short circuiting under the building footprint.

Sub-slab vapor, indoor and outdoor air sampling occurred at Buildings 785 and 786 on March 6, 2013. The highest sub-slab TCE concentration in Building 785 was reported for 785VMP-4 at 3 $\mu g/m^{3.}$ The highest sub-slab TCE concentration in Building 786 was reported for 786VMP-1 at 9.1 F $\mu g/m^3$. All of the sub-slab results were below vapor screening levels. TCE was not detected in any of the indoor and outdoor air samples.

Semi-annual influent sampling occurred on February 14, 2013, prior to sub-slab vapor sampling to determine effective SVE. Influent results for TCE were 93 $\mu g/m^3$. An effluent sample was also collected and TCE was 4.4 $\mu g/m^3$.

2nd Quarter / Calendar Year 2013 (April - June)

GAC was replaced on April 24, 2013. No additional O&M activities besides the weekly system component readings were performed during this quarter.

3rd Quarter / Calendar Year 2013 (July - September)

Additional O&M activities occurred at the Buildings 785 and 786 SSVM system during the 3rd Quarter / CY 2013 besides the weekly system component readings. Approximately 50 gallons of water was pumped out of the knock-out tank into a 55-gallon drum on July 19, 2013. The water was sampled on August 8, 2013 and analyzed for VOCs. Only TCE was detected at 0.37 J µg/L. The NYS Groundwater Standard is 5 µg/L and the J qualifier indicates the analyte was positively identified but the quantitation is an estimation. The water was discharged under permit to the City of Rome sewer system on September 13, 2013. A composite sample of the spent GAC from the SSVM system at Buildings 785 and 786 was collected on August 8, 2013 and analyzed for TCLP VOCs and ignitibility. There were no detections and disposal of the spent carbon is pending.

The electrical supply for the Building 786 system was damaged during airport grass mowing activities in August 2013. Therefore, the system was not in operation from August 29, 2013 through the remainder of the quarter.

Sub-slab vapor, indoor and outdoor air sampling occurred at Buildings 785 and 786 on August 9, 2013. The highest sub-slab TCE concentration was at 786VMP-1 at 150 µg/m^3 in Building 786 and at 785VMP-4 at 17 µg/m^3 in Building 785. All of the sub-slab results were below vapor screening levels. TCE was not detected in any of the indoor and outdoor air samples. Semi-annual influent sampling occurred on August 7, 2013, prior to sub-slab vapor sampling to determine effective SVE. Influent results for TCE were 130 µg/m^3.

4th Quarter / Calendar Year 2013 (October - December)

The system was shut down due to the electrical supply being damaged during mowing activities in August 2013.

Rebound Evaluation – Round 1 (October 2013)

Given that the system was shut down, a rebound evaluation was conducted in October 2013 to assess the ambient sub-slab conditions. Sub-slab vapor, indoor and outdoor air sampling occurred at Buildings 785 and 786 on August 9, 2013. Sampling results showed an increase in TCE concentrations at all VMPs except for 786VMP-2. The highest sub-slab TCE concentration was at 785VMP-5 at 73 µg/m^3 at Building 785 and at 786VMP-1 at 140 µg/m^3 at Building 786. All of the sub-slab results were below vapor screening levels. TCE was not detected in any of the indoor and outdoor air samples.

3.2.1.4 Buildings 785 and 786 Sub-Slab Vapor Mitigation Operations and Maintenance 2014

1st Quarter / Calendar Year 2014 (January - March)

The system was still shut down this quarter. The shutdown was triggered by the damaged electrical supply. However, now renovations are being performed to Building 786 and the transformer tub that supplied power to the system has been removed. The new transformer will be installed August 2014.

Rebound Evaluation – Round 2 – (January/February 2014)

An additional rebound evaluation round was conducted in January and February 2014 to assess the sub-slab conditions. The rebound evaluation consisted of sub-slab vapor, indoor air and outdoor air sampling. Sampling was conducted on January 30, 2014. As a result of the low temperatures and equipment placement within the buildings, the sampling ports at VMPs 785VMP-4 and 786VMP-1 were frozen and could not be sampled on January 30, 2014. These points were sampled on February 28, 2014 (785VMP-4) and February 29, 2014 (786VMP-1). The indoor and outdoor air TCE concentrations were non detect. The highest sub-slab TCE concentration in Buildings 785 and 786 are as follows:

- Building 785 TCE at 27 µg/m^3 at location 785VMP-4, and
- Building 786 TCE at 26 µg/m^3 at location 786VMP-1.

All of the sub-slab results were below vapor screening levels. All indoor and outdoor air concentrations were within an acceptable range and did not pose any unacceptable risk to building occupants.

2nd Quarter / Calendar Year 2014 (April - June)

The system was still shut down this quarter awaiting renovations to be completed.

3.2.2 3rd Quarter / Calendar Year 2014 (July - September) Buildings 785 and 786 Sub-Slab Vapor Mitigation System Operations and Maintenance Results

The SSVM system at Buildings 785 and 786 was in operation from May 2011 to August 2013. The system was shut down due to a damaged electrical supply line. Renovations are now being performed at Building 785 and 786 and the new transformer was installed in August 2014. Therefore, the system was turned back online on September 25, 2014. Prior to the system being turned back online, round 3 of rebound evaluation occurred.

Now that the system is back online, O&M activities will be conducted in the following quarter including weekly system component readings (system temperature, flow, vacuum and motor status), periodic GAC replacement, and semi-annual indoor and outdoor air, sub-slab vapor, and influent sampling. The GAC was replaced on September 24, 2014 prior to system startup. The waste inventory tracking form for the spent carbon is provided in Appendix B.

3.2.2.1 Rebound Evaluation – Round 3 – (July 2014)

The third rebound evaluation occurred on July 18, 2014. Sub-slab vapor, indoor and outdoor air sampling occurred and all sampling results are presented in Table 3-4. Only one outdoor air sample was collected between Buildings 785 and 786 due to the close proximity of the buildings. The outdoor air sample result is included in Table 3-4 with the Building 785 analytical results. All Daily Chemical Quality Controls Reports (CQCRs) completed during this event are provided in Appendix C. The highest sub-slab TCE concentration in Buildings 785 and 786 were detected as follows:

- Building 785 - TCE concentration: 510 µg/m^3 at location 785VMP-5, and
- Building 786 - TCE concentration: 410 µg/m^3 at location 786VMP-2.

The indoor and outdoor air TCE concentrations were detected as follows:

- Building 785 - TCE concentration: 0.88 J µg/m^3 in the indoor air,
- Building 786 - TCE concentration was non detect in the indoor air, and
- TCE concentration was non detect in the outdoor air between Buildings 785 and 786.

TCE sub-slab results exceeded vapor screening levels at locations 785VMP-5 and 786VMP-2, indicating rebound did occur. The vapor screening level for TCE is 409 µg/m^3. All indoor and outdoor air concentrations were within an acceptable range and did not pose any unacceptable

risk to building occupants. Figures 3-7 and 3-8 show the sub-slab TCE vapor trend chart in both Buildings 785 and 786. The trend lines calculated are exponential trend lines based on the coefficient determination best fit regression line. The data fits an exponential trend the best because of the significant decrease in TCE vapor after the initial start-up of the system. However, now that rebound is being observed, no trend line truly fits the data set. All raw lab data and validated lab data are provided in Appendix D and Appendix E, respectively.

3.2.2.2 System Startup and Stepped Rate Test

Operation of the SSVM system began in September 2014 following a year shutdown. A stepped rate test was performed during system startup on September 25, 2014 and the field sheet is located in Appendix A. The stepped rate test was performed in accordance with procedures specified in the USACE, Engineering Manual 1110-1-4001 (USACE, June 2002). This test is performed to determine the relationship between applied vacuum and the resulting flow rate from an extraction well. The results from the stepped rate test are shown in the Figure 3-9. The figure depicts the total system's flow rate verses vacuum. The minimum flow rate was 121 acfm with a vacuum of 26 in w.g. The minimum flow rate was obtainable when the air dilution valve was almost fully opened. The valve was then closed with 1/2 turn revolutions each step with a total of 7 complete turns. When the valve was fully closed the air flow rate directly from the subsurface was the maximum achievable at 247 acfm, with a vacuum of 57 in w.g. The figure depicts a slight decline in vacuum during test number 9 because the valve located before the knockout tank was not completely opened during the prior tests.

Figure 3-10 depicts the specific capacity of 785SSVM-1 and 786SSVM-1. The specific capacity evaluates well efficiencies at various vacuum/flow conditions. The flow rate was divided by the wellhead vacuum. The downward slope of the curve illustrated on the figure depicts the frictional loss in the screen due to vapor velocity. The frictional loss is expected to become greater as vacuum increases.

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4 DISCUSSION

O&M activities conducted during this period of performance for the Buildings 774 and 776 SSVM system included weekly system component readings (system temperature, flow, vacuum, motor status, and knock-out tank inspection) and semi-annual sub-slab vapor, indoor air, and outdoor air sampling. The sub-slab vapor sampling results indicated a slight increase in TCE concentrations, but all sub-slab vapor concentrations were below screening levels. All indoor and outdoor air concentrations were also below screening levels and did not pose any unacceptable risk to building occupants.

The Buildings 785 and 786 SSVM system was turned back online during this quarter and a stepped rate test was performed, demonstrating optimal operating conditions. A third rebound evaluation was conducted prior to system startup which included sub-slab vapor, indoor air, and outdoor air sampling. Results showed that all sub-slab vapor increased and that TCE sub-slab results exceeded vapor screening levels at locations 785VMP-5 and 786VMP-2. This indicates that rebound did occur after 11 months of the system being offline. Indoor air, and outdoor air concentrations were below screening levels and did not pose any unacceptable risk to building occupants.

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5 RECOMMENDATIONS

Performance monitoring for groundwater conducted under a separate contract showed chlorinated VOC concentrations were still above NYS Groundwater Standards at both the SD-052-02 Building 775 Site and the SD-052-01 Apron 2 Chlorinated Plume Site. Therefore, continued operation of the SSVM systems at Buildings 774 and 776 and Buildings 785 and 786 is recommended. SSVM soil vapor monitoring data shows TCE concentrations in the sub-slab are decreasing at all sites as a result of the mitigation system operation. The rebound test at Buildings 785 and 786 indicated that exceedances of the TCE sub-slab vapor screening levels occurred after 11 months of the system being offline. The system has been restarted in September 2014 and continuous operation is recommended.

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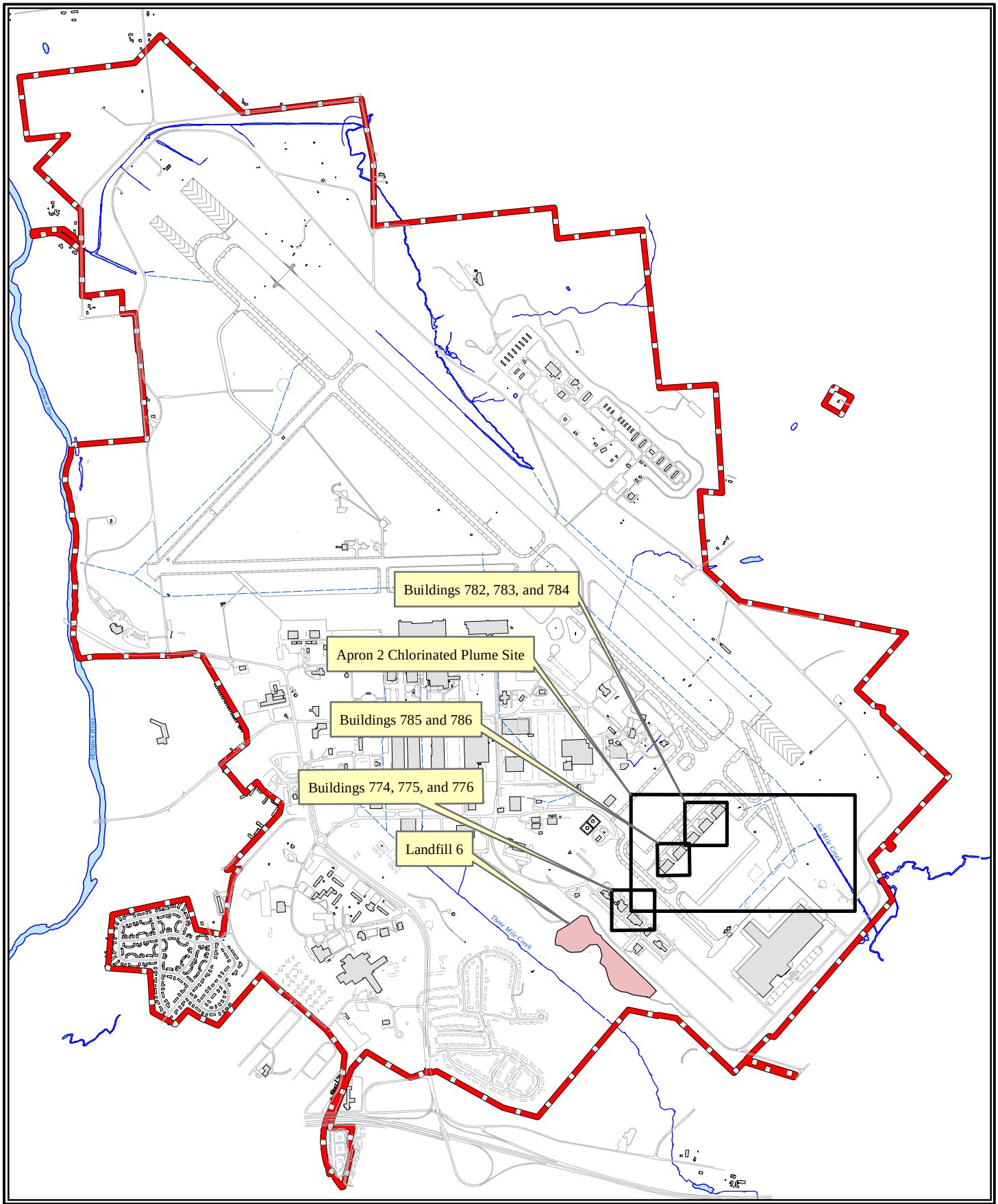

Base Location

Key to Features

- Road/Airfield
- Storm Drain
- Surface Water
- Base Boundary
- Landfill 6
- Demolished Facility
- Existing Facility
- Site Location

1,200 600 0 1,200 2,400
Feet

Figure 1-1
SSVM Site Locations

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

FPM Remediations, Inc

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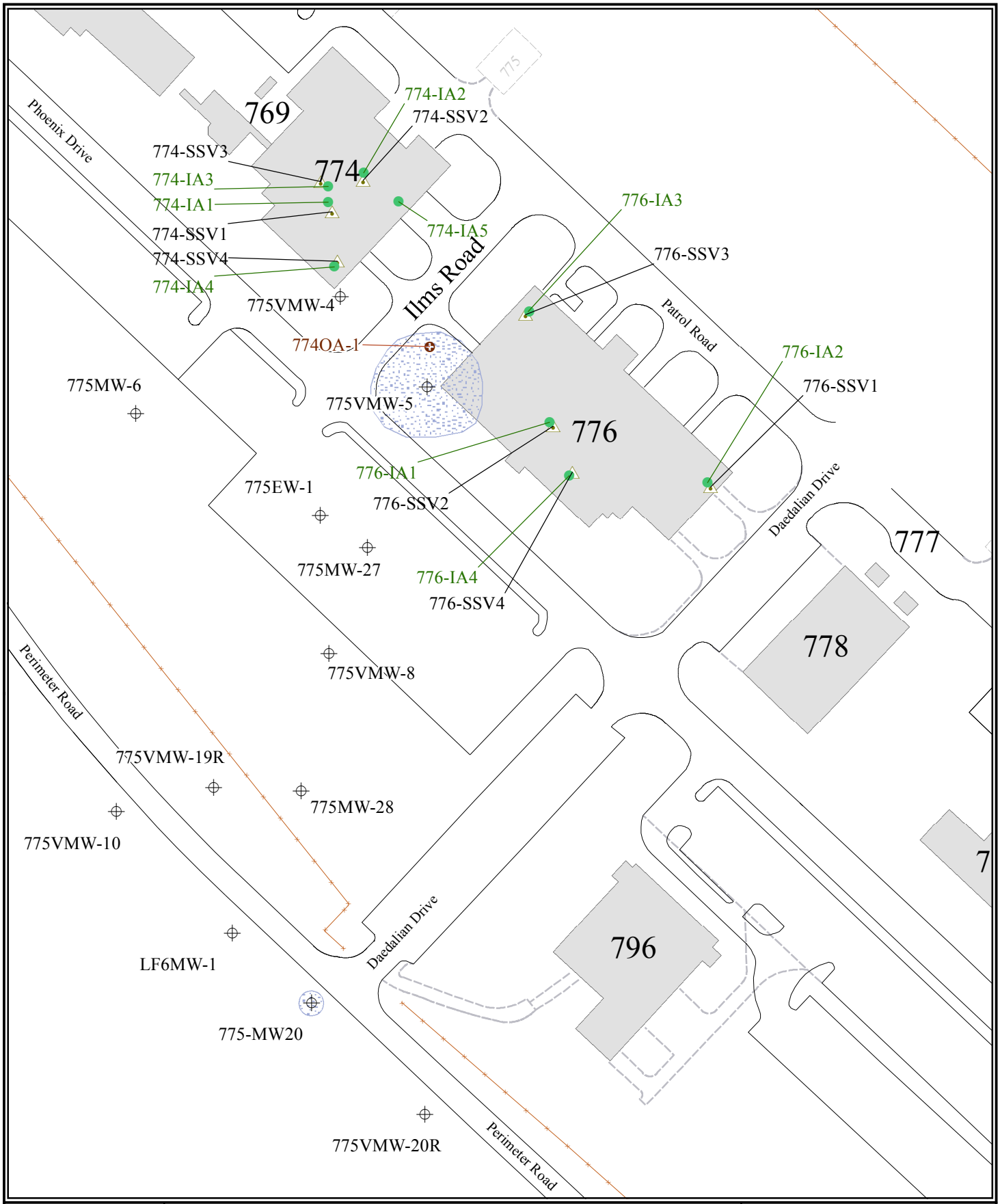

Figure 2-1
Buildings 774 and 776
Site Features

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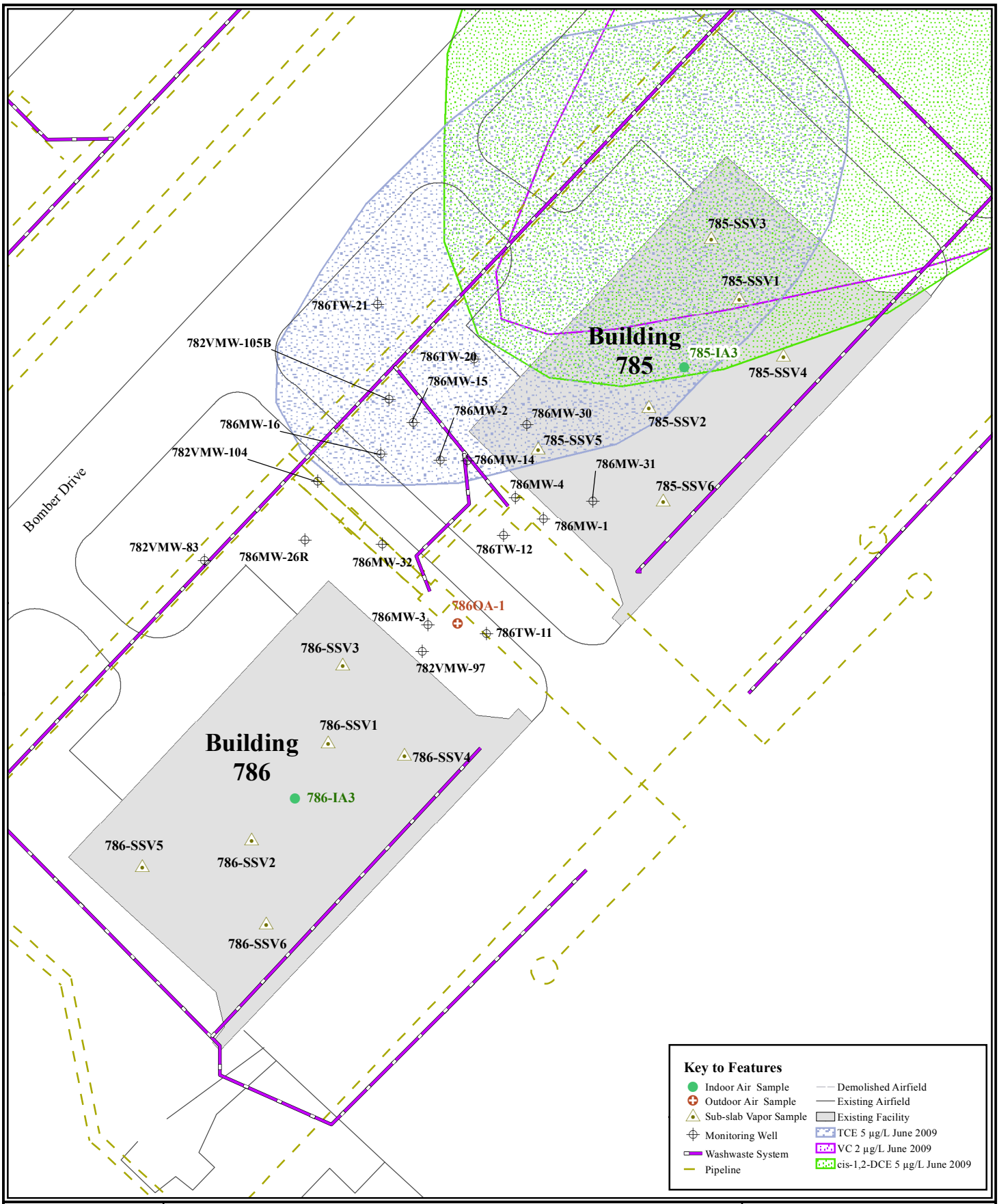

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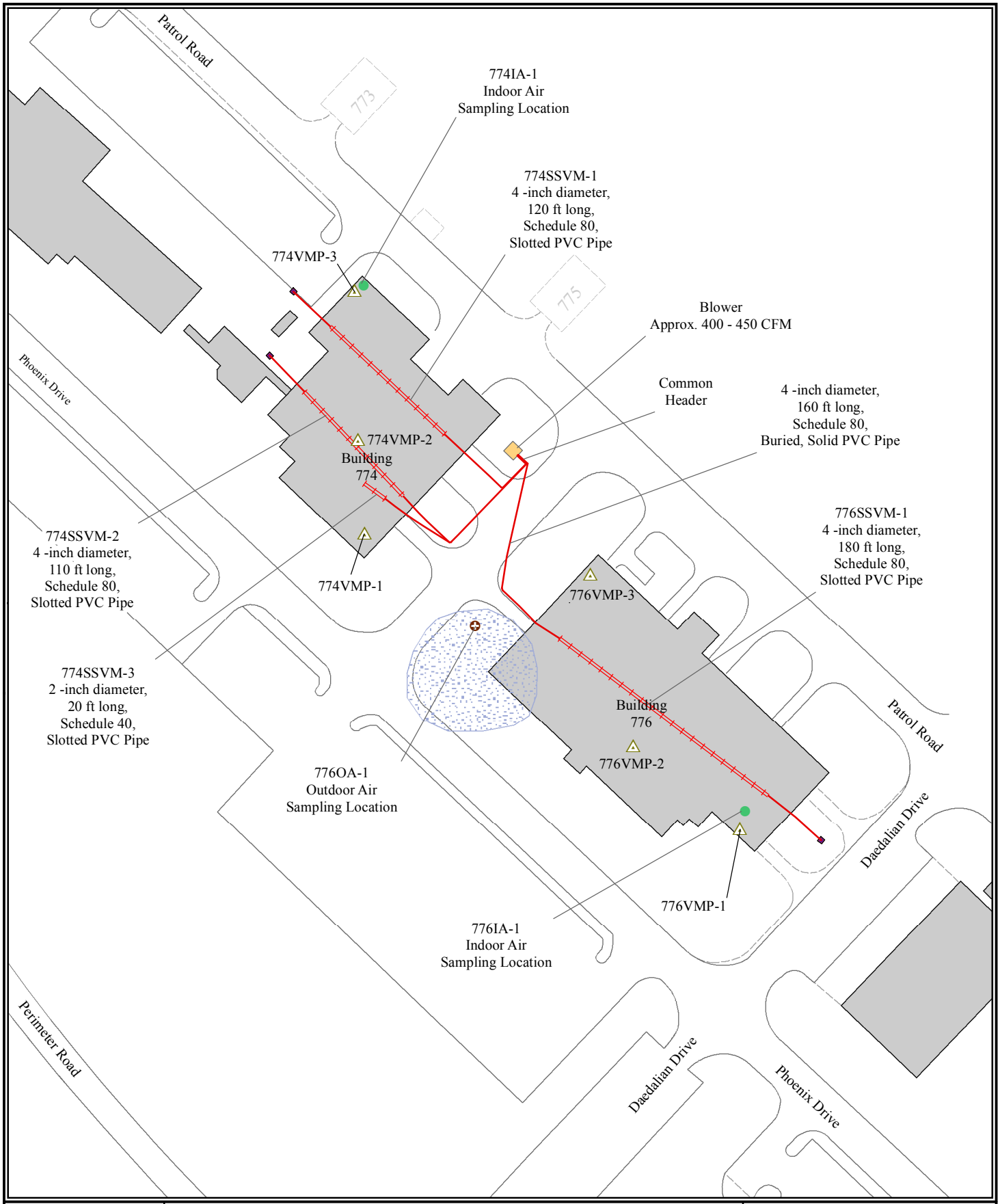

Site Location

Key to Features

- Indoor
- Outdoor
- SubSlab Vapor
- Horizontal Well Screen
- Horizontal Well Riser
- Demolished Road
- Existing Road
- TCE 50 µg/L October 2010
- SVE System
- Entrance/Exit Pit
- Demolished Facility
- Existing Facility

Figure 3-1
Buildings 774 and 776
SSVM System

0 50 100 200
Feet

N

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Figure 3-2
774SSVM-1, -2 and 776SSVM-1
Long Term Operation Flow Rate
(June 2011 through September 2014)

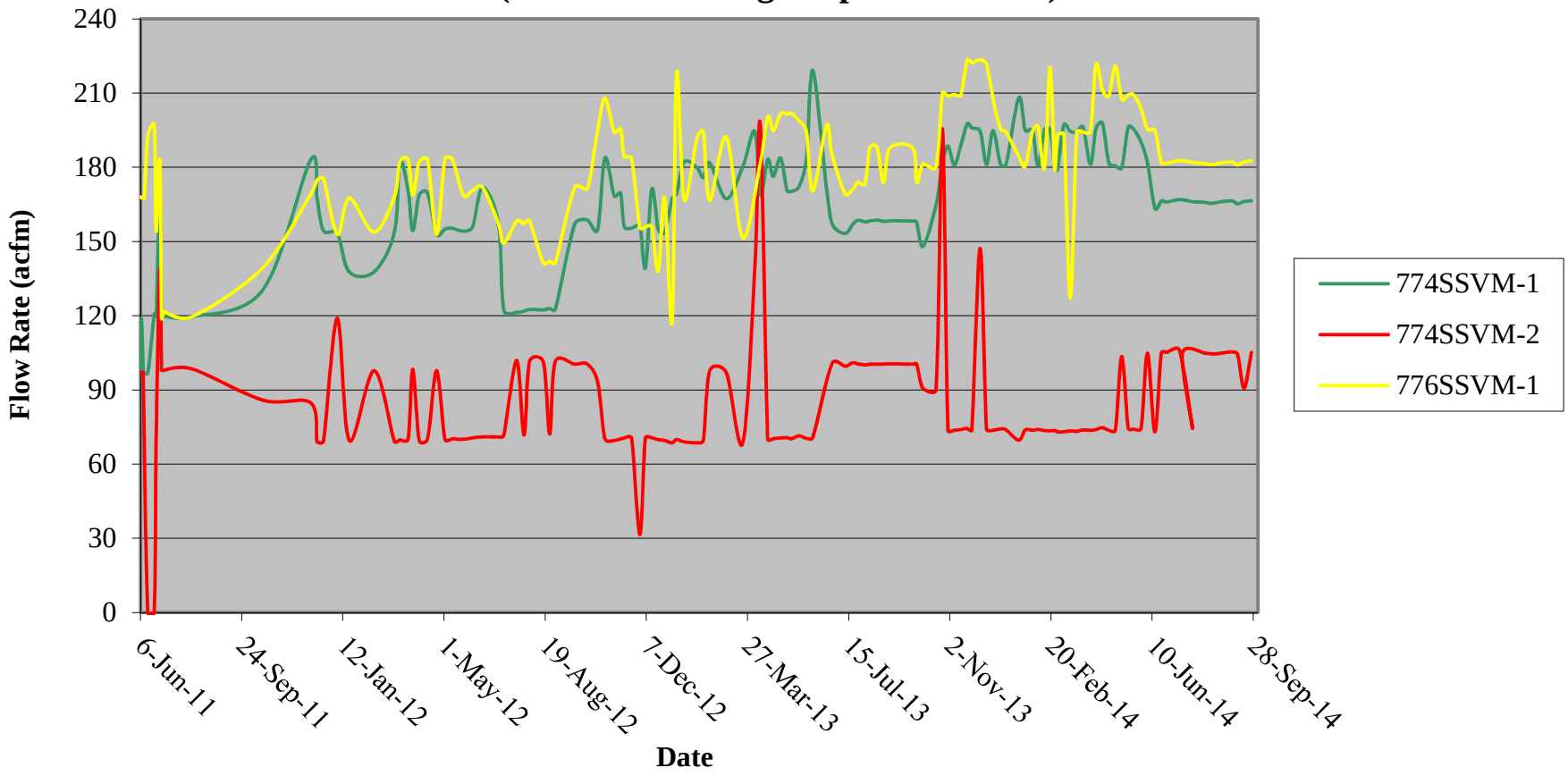


Figure 3-3
774SSVM-1, -2 and 776SSVM-1
Long Term Operation Vacuum
(June 2011 through September 2014)

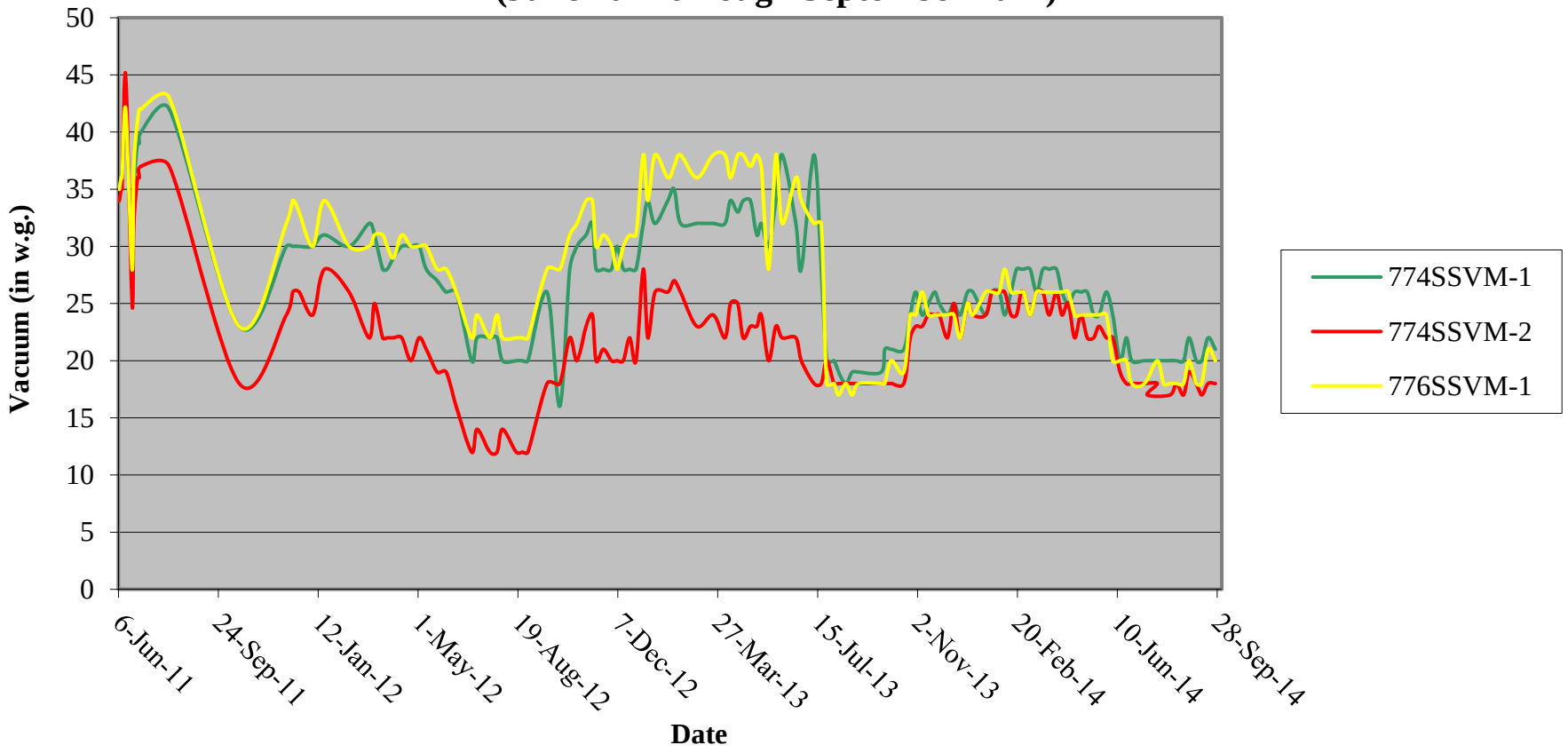
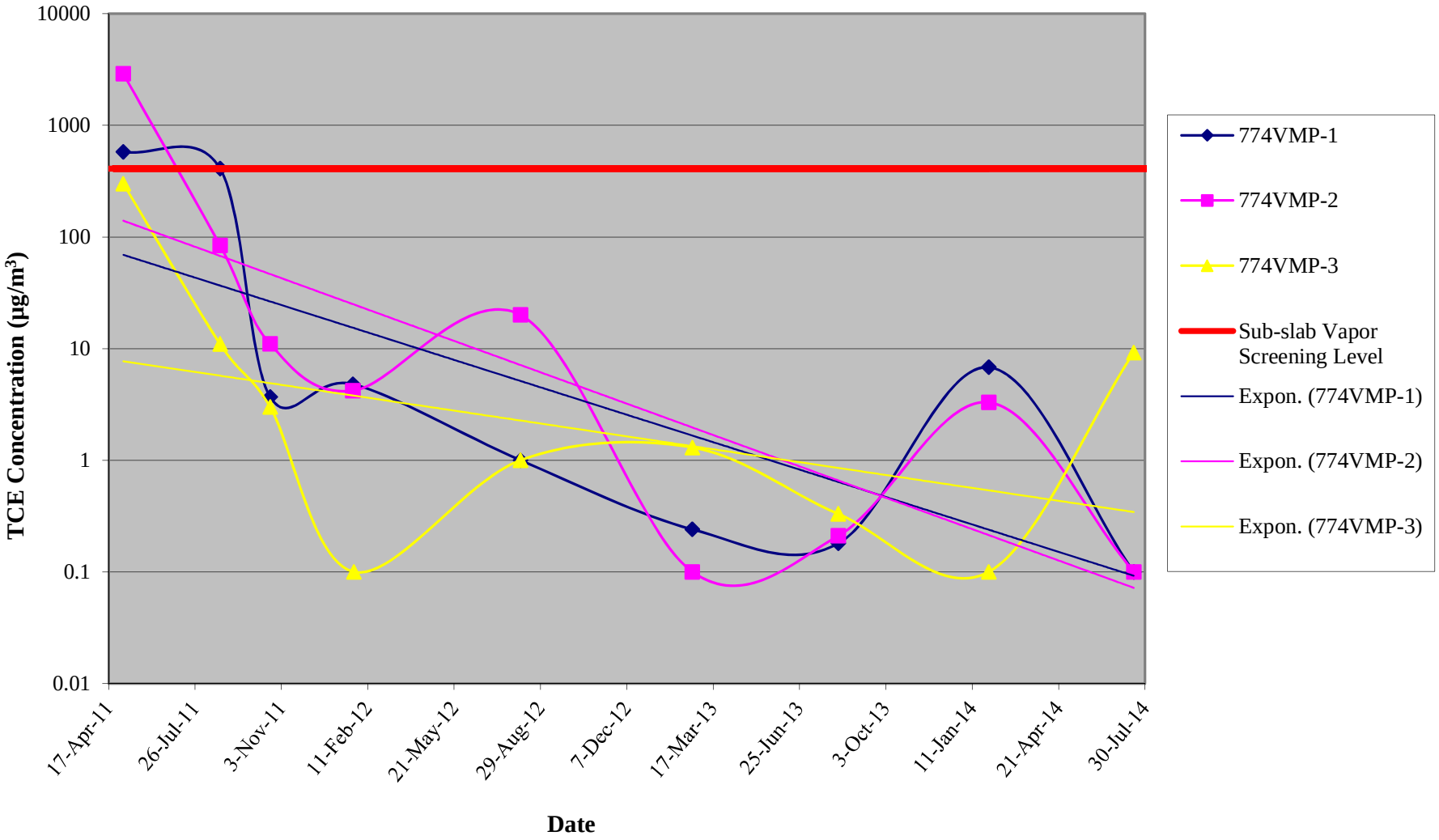
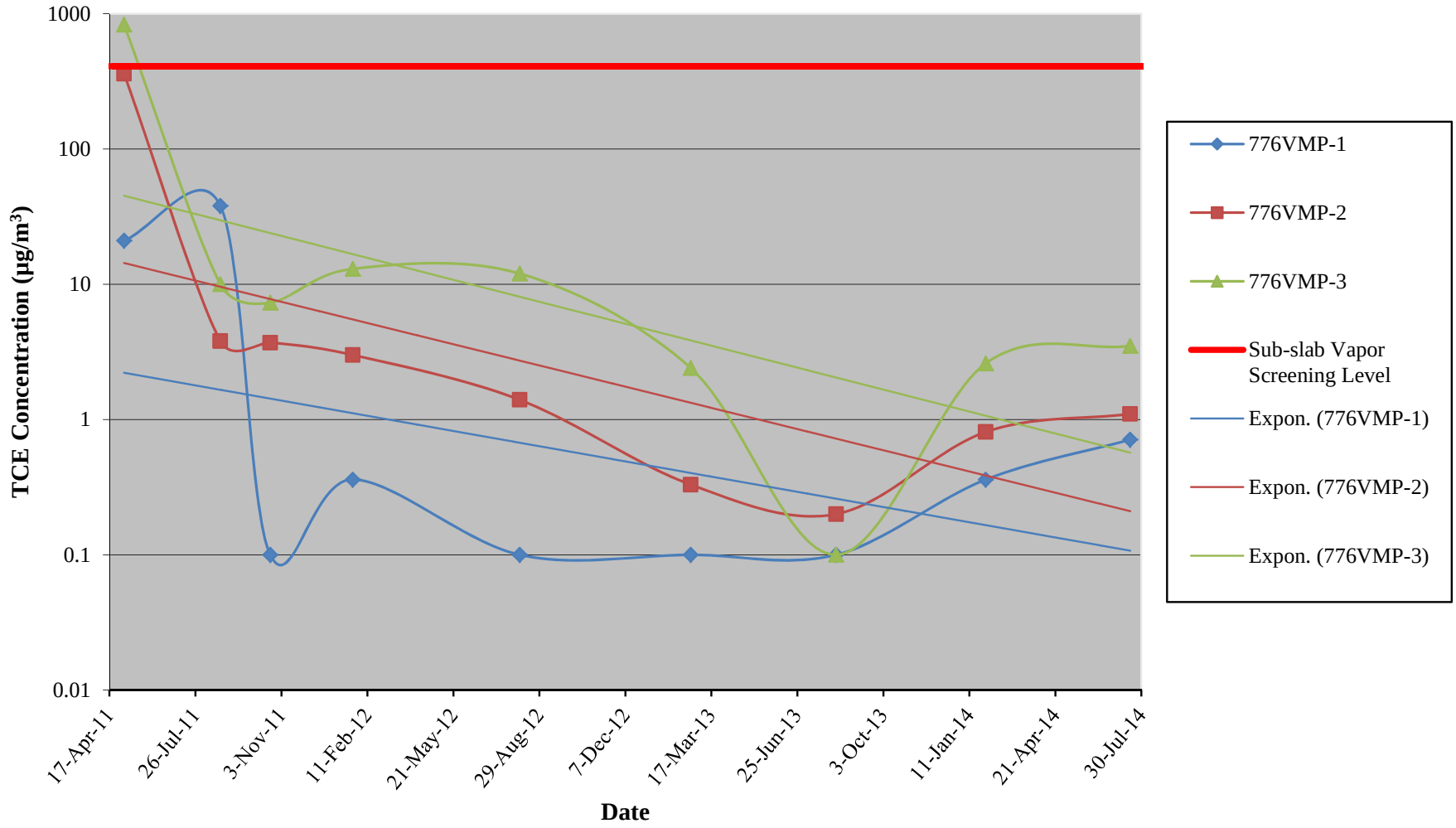


Figure 3-4
Sub-Slab TCE Trend Chart Building 774
(May 2011 through September 2014)

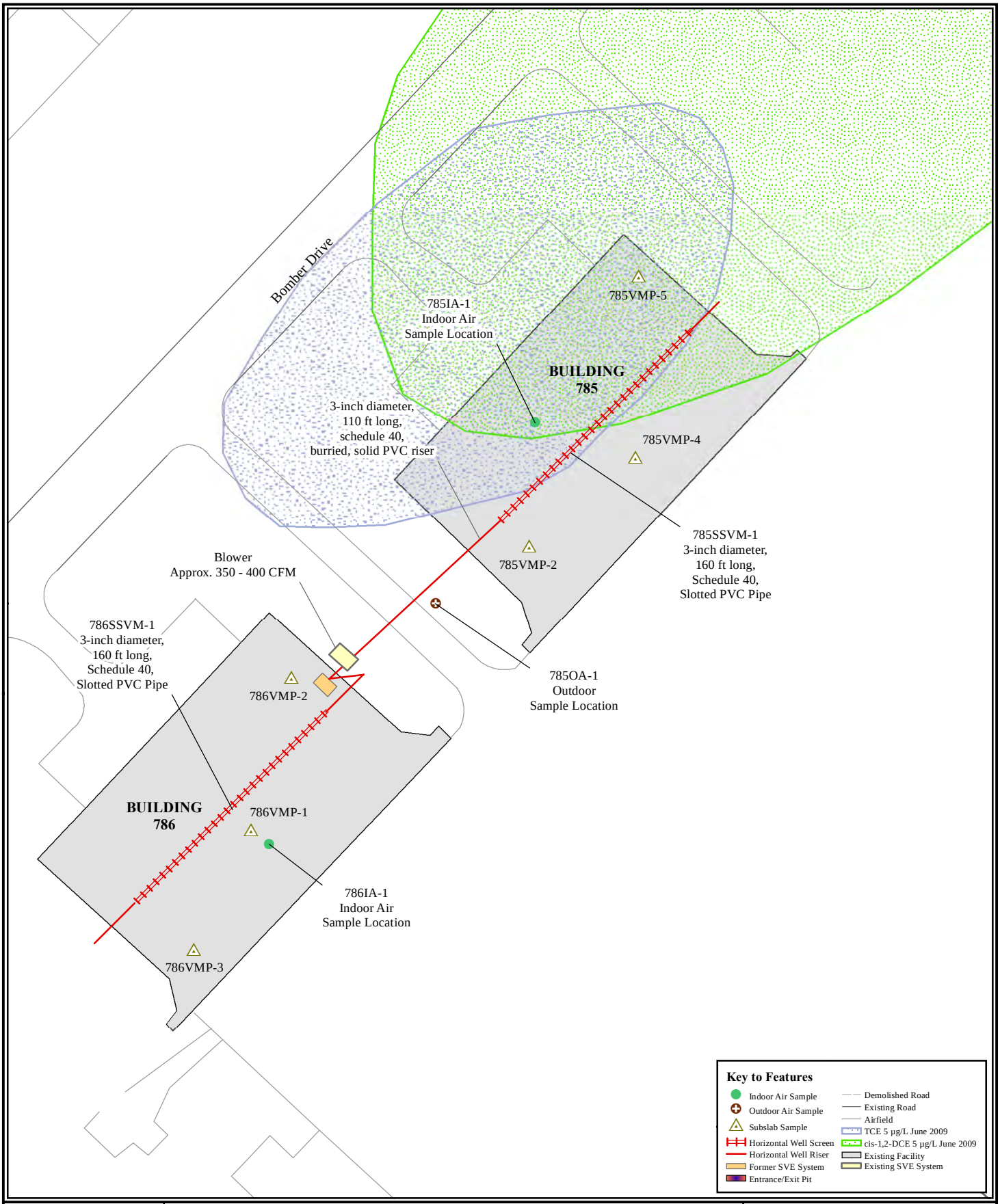


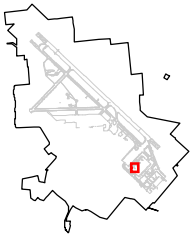
Note: Not detected results are plotted as 0.10 µg/m^3.

Figure 3-5
Sub-Slab TCE Trend Chart Building 776
(May 2011 through September 2014)



Note: Not detected results are plotted as 0.10 µg/m^3.





Site Location

Figure 3-6
Buildings 785 and 786
SSVM System

0 25 50 100 150

Feet

N

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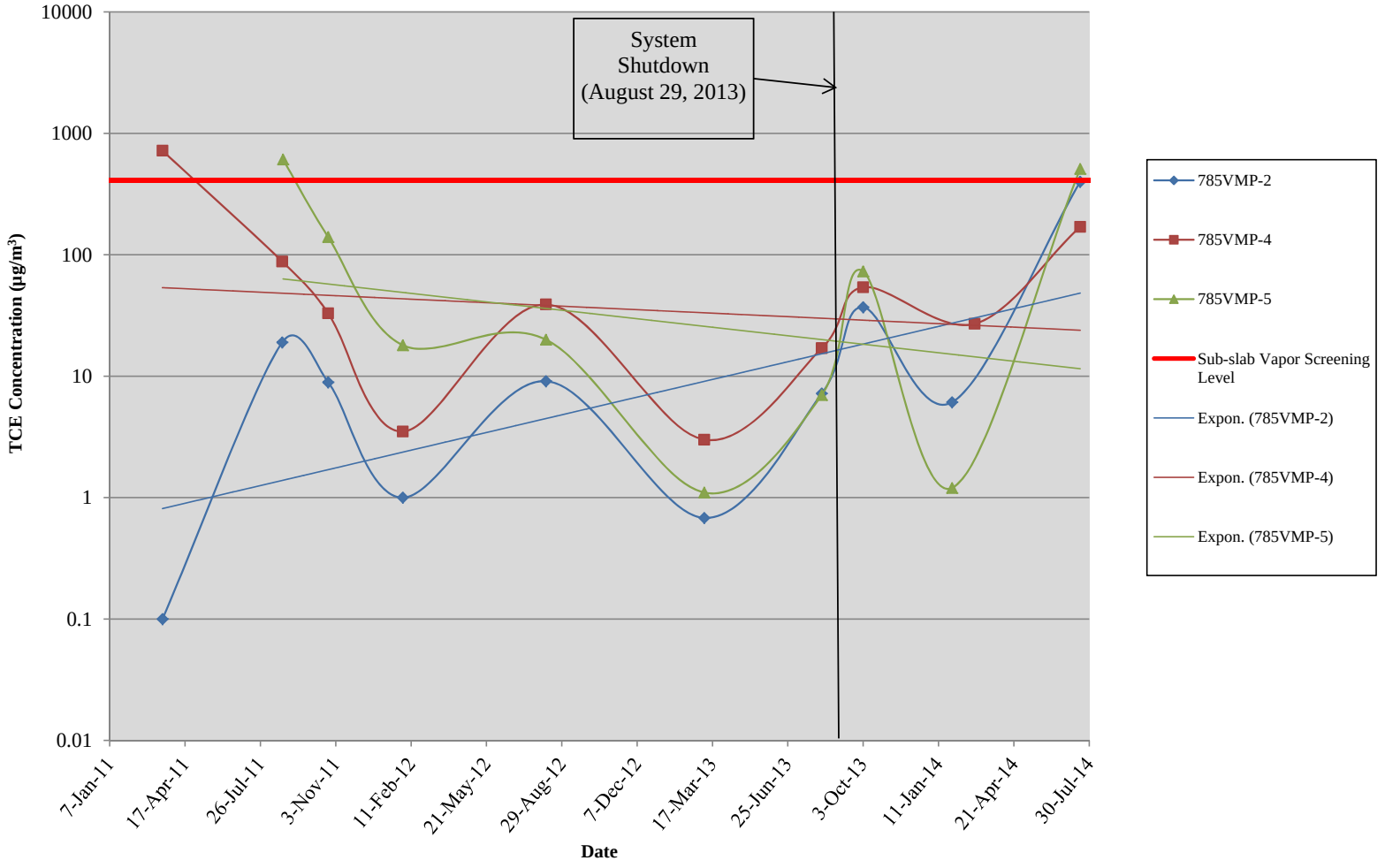
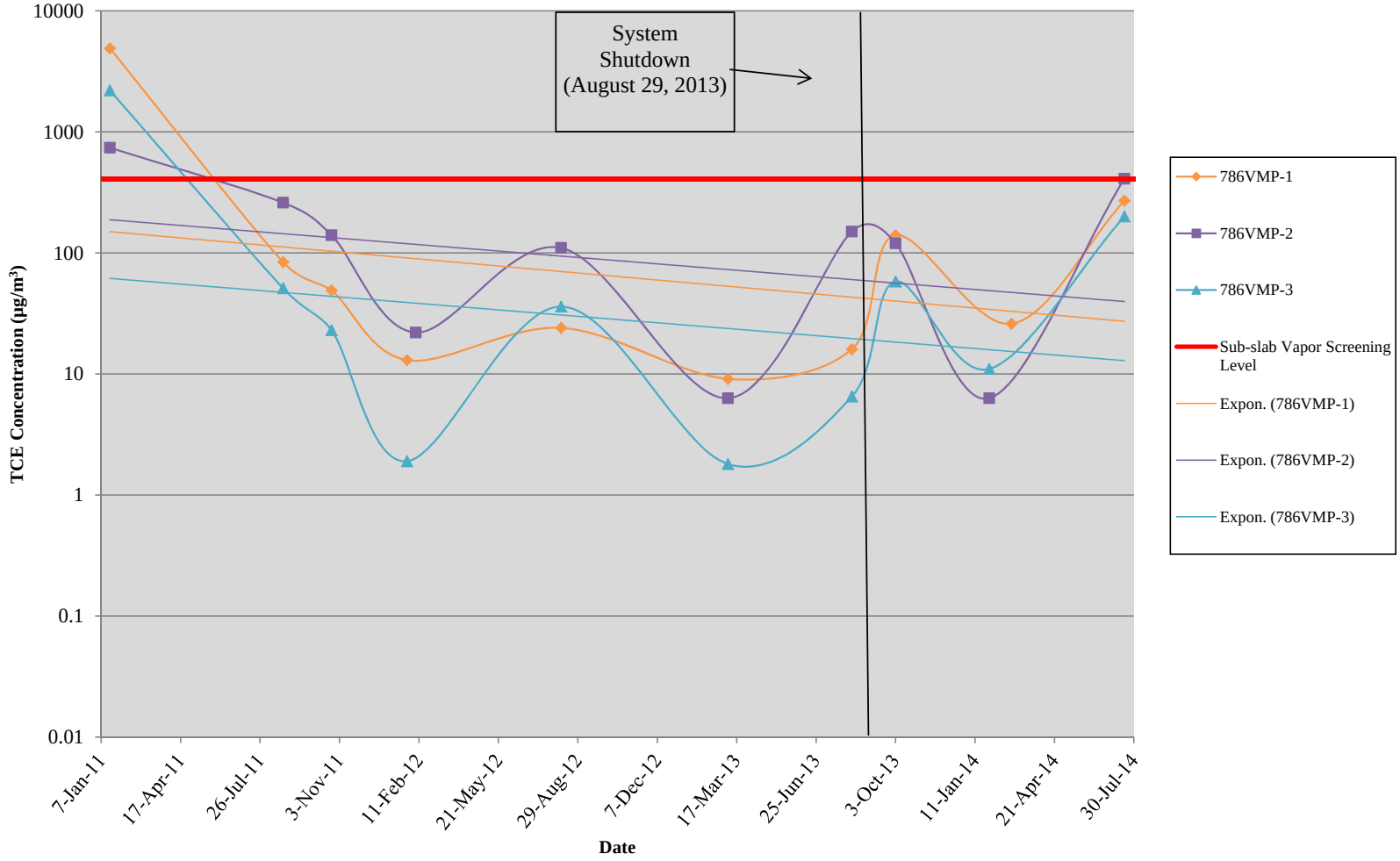
Figure 3-7
Sub-Slab TCE Trend Chart Building 785
(January 2011 through September 2014)



Note: Not detected results are plotted as 0.1 µg/m³.

Figure 3-8
Sub-Slab TCE Trend Chart Building 786
(January 2011 through September 2014)



Note: Not detected results are plotted as 0.1 µg/m³.

Figure 3-9 - Stepped Rate Test
785SSVM-1 and 786SSVM-1

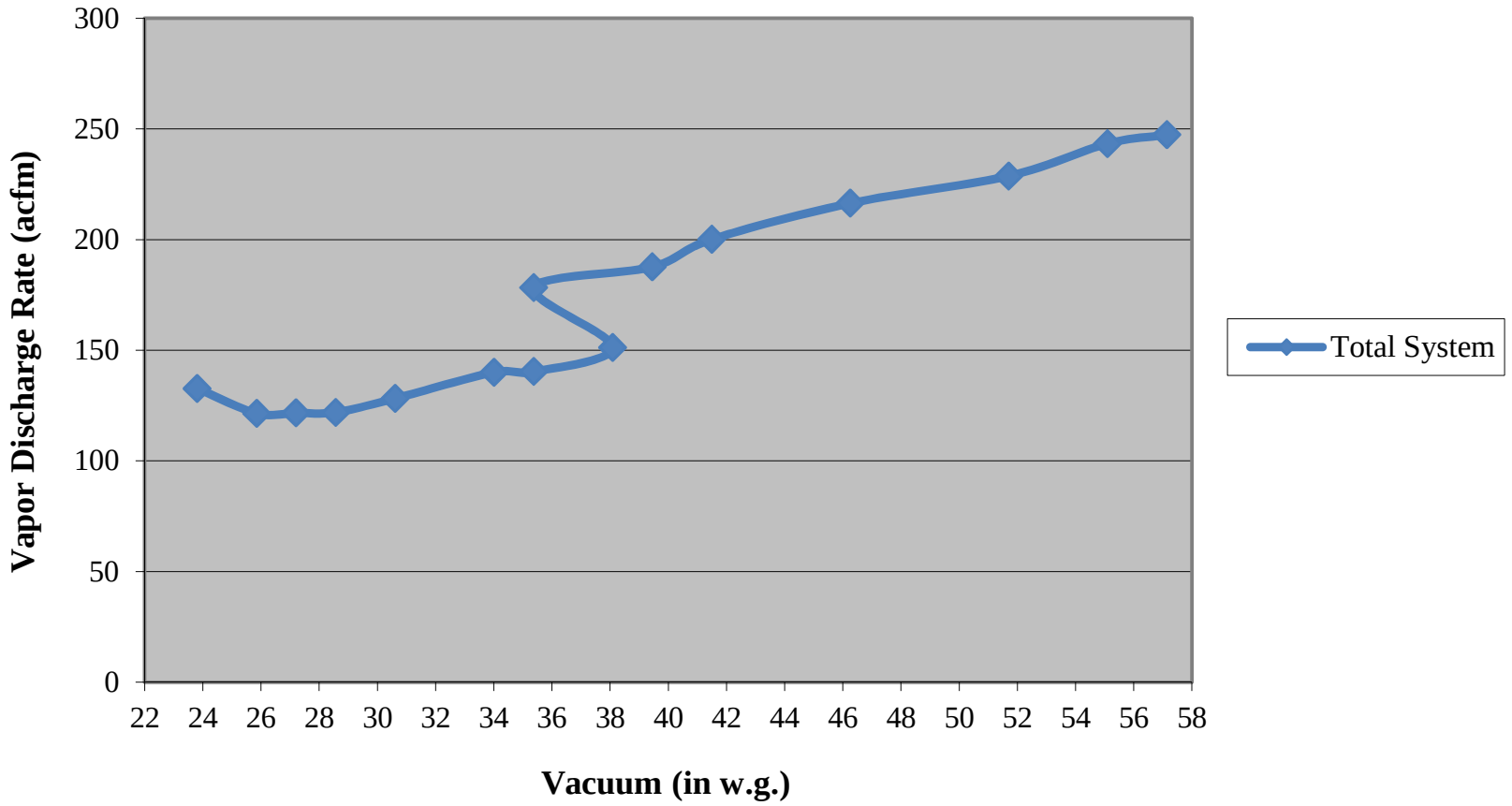
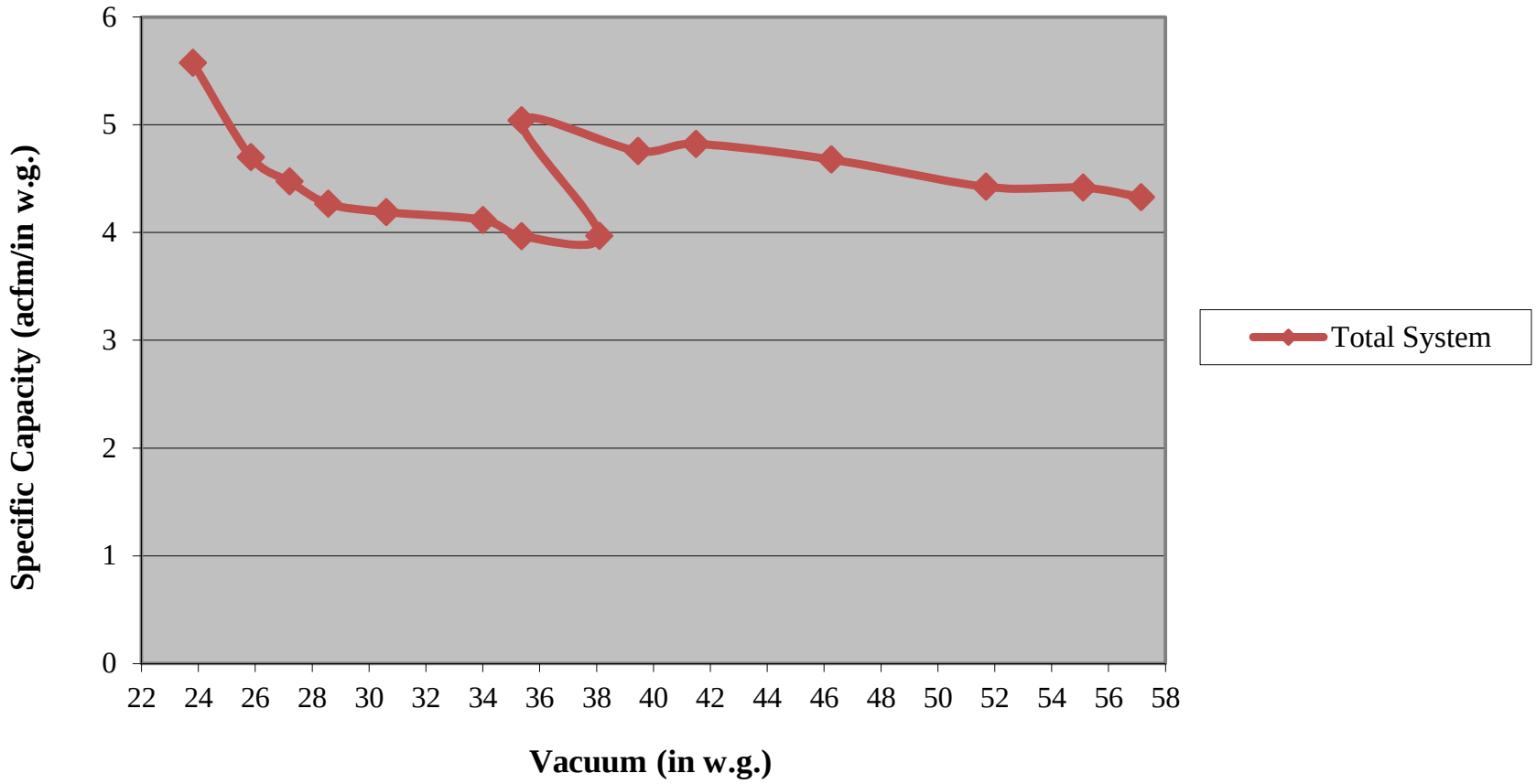


Figure 3-10 - Specific Capacity
785SSVM-1 and 786SSVM-1



Tables

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Table 2-1 - Building 774/776 AOC Short List Indoor and Outdoor Historical Analytical Results
December 2006/April 2008/May 2008

Sample Location	Indoor Air Screening Level (µg/m^3)	774IA-1			774IA-2			774IA-3	
Sample ID		774-IA1	774IA1BB	774IA1CA	774-IA2	774IA2BB	774IA2CA	774IA3BB	774IA3CA
Sample Type		Indoor	Indoor	Indoor	Indoor	Indoor	Indoor	Indoor	Indoor
Sample Date		20-Dec-2006	15-Apr-2008	29-May-2008	20-Dec-2006	15-Apr-2008	29-May-2008	15-Apr-2008	29-May-2008
Sample Depth (ft above ground)	5	5	5	5	5	5	5	5	5
Sample Collection Duration (hr)	12	8	12	12	8	12	12	12	12
Volatiles (TO-15) in µg/m^3									
cis-1,2-dichloroethene	102	U	1.57	0.685	U	U	U	U	U
trichloroethylene (TCE)	41	2.4	347	3.99	3.4	559	4.21	389	4.7
vinyl chloride	186	U	0.13	U	U	U	U	U	U

Notes:
U - Not detected.
µg/m^3: microgram per cubic meter.
Exceedance of the indoor or outdoor initial benchmark.

Table 2-1 - Building 774/776 AOC Short List Indoor and Outdoor Historical Analytical Results
December 2006/April 2008/May 2008

Sample Location	Indoor Air Screening Level (µg/m^3)	774IA-4		774IA-5	774OA-1		
Sample ID		**774IA4BB**	**774IA4CA**	**774IA5CA**	**774-OA1**	**774OA1BB**	**774OA1CA**
Sample Type		**Indoor**	**Indoor**	**Indoor**	**Outdoor**	**Outdoor**	**Outdoor**
Sample Date		**15-Apr-2008**	**29-May-2008**	**29-May-2008**	**20-Dec-2006**	**15-Apr-2008**	**29-May-2008**
Sample Depth (ft above ground)		**5**	**5**	**5**	**5**	**5**	**5**
Sample Collection Duration (hr)	**12**	**12**	**12**	**12**	**8**	**8**	**8**
Volatiles (TO-15) in µg/m^3							
cis-1,2-dichloroethene	102	U	U	U	U	U	U
trichloroethylene (TCE)	41	236	2.13	6.61	U	0.492	U
vinyl chloride	186	U	U	U	U	U	U

Notes:
U - Not detected.
µg/m^3: microgram per cubic meter.
Exceedance of the indoor or outdoor initial benchmark.

Table 2-1 - Building 774/776 AOC Short List Indoor and Outdoor Historical Analytical Results
December 2006/April 2008

Sample Location	Indoor Air Screening Level ($\mu g/m^3$)	776IA-1		776IA-2		776IA-3	776IA-4
Sample ID		776-IA1	776IA1BB	776-IA2	776IA2BB	776IA3BB	776IA4BB
Sample Type		Indoor	Indoor	Indoor	Indoor	Indoor	Indoor
Sample Date		20-Dec-2006	15-Apr-2008	20-Dec-2006	15-Apr-2008	15-Apr-2008	20-Dec-2006
Sample Depth (ft above ground)		5	5	5	5	5	5
Sample Collection Duration (hr)	12	8	12	8	12	12	12
Volatiles (TO-15) in $\mu g/m^3$							
cis-1,2-dichloroethene	102	U	U	U	U	U	U
trichloroethylene (TCE)	41	4.4	3.28	2.9	2.35	2.51	2.62
vinyl chloride	186	U	U	U	U	U	U

Notes:

U - Not detected.

$\mu g/m^3$: microgram per cubic meter.

Exceedance of the indoor or outdoor initial benchmark.

Table 2-1 - Building 774/776 AOC Detected Sub-slab Vapor Historical Analytical Results
October 2006/April 2008

Sample Location	**Sub-slab Vapor Screening Level ($\mu g/m^3$)**	**774SSV-1**		**774SSV-2**		**774SSV-3**	**774SSV-4**
Sample ID		**774-SSV1**	**774SSV1BB**	**774-SSV2**	**774SSV2BB**	**774SSV3BB**	**774SSV4BB**
Sample Type		**SSV**	**SSV**	**SSV**	**SSV**	**SSV**	**SSV**
Sample Date		**24-Oct-2006**	**15-Apr-2008**	**24-Oct-2006**	**15-Apr-2008**	**15-Apr-2008**	**15-Apr-2008**
Sample Depth (ft bgs)		**1**	**1**	**1**	**1**	**1**	**1**
Sample Collection Duration (hr)	**12**	**8**	**12**	**8**	**12**	**12**	**12**
Volatiles (TO-15) in $\mu g/m^3$							
cis-1,2-dichloroethene	1,022	U	U	U	U	0.64	0.60
trichloroethylene (TCE)	409	1,700	490	810	590	66	69
vinyl chloride	186	U	U	U	U	U	U

Notes:

U: Not detected.

$\mu g/m^3$: microgram per cubic meter.

Exceedance of the cancer screening value.

Table 2-1 - Building 774/776 AOC Detected Sub-slab Vapor Historical Analytical Results
October 2006/April 2008

Sample Location	**Sub-slab Vapor Screening Level ($\mu g/m^3$)**	**776SSV-1**		**776SSV-2**		**776SSV-3**	**776SSV-4**
Sample ID		**776-SSV1**	**776SSV1BB**	**776-SSV2**	**776SSV2BB**	**776SSV3BB**	**776SSV4BB**
Sample Type		**SSV**	**SSV**	**SSV**	**SSV**	**SSV**	**SSV**
Sample Date		**24-Oct-2006**	**15-Apr-2008**	**24-Oct-2006**	**15-Apr-2008**	**15-Apr-2008**	**15-Apr-2008**
Sample Depth (ft bgs)		**1**	**1**	**1**	**1**	**1**	**1**
Sample Collection Duration (hr)	**12**	**8**	**12**	**8**	**12**	**12**	**12**
Volatiles (TO-15) in $\mu g/m^3$							
cis-1,2-dichloroethene	1,022	U	U	U	U	0.64	U
trichloroethylene (TCE)	409	3,000	6.9	700	110	120	230
vinyl chloride	186	U	U	U	U	U	U

Notes:

U: Not detected.

$\mu g/m^3$: microgram per cubic meter.

Exceedance of the cancer screening value.

Table 2-1 - Building 785/786 AOC Short List Indoor and Outdoor Historical Analytical Results
December 2006/April 2008

Sample Location	**Indoor Air Screening Level ($\mu g/m^3$)**	**785IA-1**	**785IA-2**	**785IA-3**
Sample ID		**785-IA1**	**785-IA2**	**785IA3BB**
Sample Type		**Indoor**	**Indoor**	**Indoor**
Sample Date		**20-Dec-2006**	**20-Dec-2006**	**17-Apr-2008**
Sample Depth (ft above ground)		**5**	**5**	**5**
Sample Collection Duration (hr)	**12**	**12**	**12**	**12**
Volatiles (TO-15) in $\mu g/m^3$				
1,2,4-trimethylbenzene	NA	NA	NA	1.30
1,3,5-trimethylbenzene	NA	NA	NA	0.650 F
benzene	88	1.1	1.1	0.617
carbon disulfide	NA	U	U	U
carbon tetrachloride	NA	U	U	U
ethylbenzene	743	NA	NA	0.441 F
freon 11	NA	U	U	U
freon 113	NA	U	U	U
freon 12	NA	U	U	U
isopropyl alcohol	NA	U	U	U
m,p-xylene (sum of isomers)	292	NA	NA	1.28 F
methyl ethyl ketone	NA	U	U	U
methylene chloride	NA	U	U	U
Naphthalene	NA	NA	NA	1.33
o-xylene	292	NA	NA	0.485 F
tetrachloroethylene (PCE)	102	U	U	U
toluene	NA	NA	NA	2.72
trichloroethylene (TCE)	41	U	U	0.655
vinyl chloride	186	U	U	U

Notes:

U - Not detected.

F - The result was detected between the MDL and RL.

NA- Not Available

$\mu g/m^3$: microgram per cubic meter.

Table 2-1 - Building 786 AOC Short List Indoor and Outdoor Analytical Results
December 2006/April 2008

Sample Location	Indoor Air Screening Level ($\mu g/m^3$)	786IA-1	786IA-2	786IA-3	786OA-1	
Sample ID		786-IA1	786-IA2	786IA3BB	786-OA1	786OA1BB
Sample Type		Indoor	Indoor	Indoor	Outdoor	Outdoor
Sample Date		20-Dec-2006	20-Dec-2006	18-Apr-2008	20-Dec-2006	18-Apr-2008
Sample Depth (ft above ground)		5	5	5	5	5
Sample Collection Duration (hr)	12	8	8	12	12	12
Volatiles (TO-15) in $\mu g/m^3$						
1,2,4-trimethylbenzene	NA	NA	U	0.749	U	0.949
1,3,5-trimethylbenzene	NA	NA	U	U	U	U
benzene	88	1.2	1.2	0.747	0.96	0.617
cis-1,2-dichloroethene	102	U	U	U	U	U
ethylbenzene	743	NA	NA	U	NA	U
m,p-xylene (sum of isomers)	292	NA	NA	0.750 J	NA	0.883 J
Naphthalene	NA	NA	NA	1.01	NA	U
o-xylene	292	NA	NA	U	NA	0.441 J
tetrachloroethylene (pce)	102	U	0.896 F	U	U	U
toluene	NA	NA	NA	1.92	NA	1.49
trichloroethylene (tce)	41	0.43 J	U	U	U	U
vinyl chloride	186	U	U	U	U	U

Notes:

U - Not detected.

F - The result was detected between the MDL and RL.

NA- Not Available

$\mu g/m^3$: microgram per cubic meter.

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

Table 2-1 - Building 785/786 AOC Detected Sub-slab Vapor Historical Analytical Results
October 2006/April 2008

Sample Location	Sub-slab Vapor Screening Level ($\mu g/m^3$)	785SSV-1		785SSV-2		785SSV-3	785SSV-4	785SSV-5	785SSV-6
Sample ID		B785-SSV1	785SSV1BB	B785-SSV2	785SSV2BB	785SSV3BB	785SSV4BB	785SSV5BB	785SSV6BB
Sample Type		SSV	SSV	SSV	SSV	SSV	SSV	SSV	SSV
Sample Date		24-Oct-2006	17-Apr-2008	24-Oct-2006	17-Apr-2008	17-Apr-2008	17-Apr-2008	17-Apr-2008	17-Apr-2008
Sample Depth (ft bgs)		1	1	1	1	1	1	1	1
Sample Collection Duration (hr)	12	8	12	8	12	12	12	12	12
Volatiles (TO-15) in $\mu g/m^3$									
1,1,1-trichloroethane	146,000	U	U	U	U	U	U	U	U
1,2,4-trimethylbenzene	175	NA	1.9	NA	2.3	2.9	4.0	3.4	9.0
1,3,5-trimethylbenzene	175	U	0.70 J	U	0.90	1.1	1.6	1.6	3.5
acetone	NA	U	U	U	U	U	U	U	U
allyl chloride (3-chloropropene)	29	U	U	U	U	U	U	U	U
benzene	105	U	10	15	3.5	17	19	14	20
carbon disulfide	20,440	U	U	U	U	U	U	U	U
carbon tetrachloride	55	U	U	U	U	U	U	U	U
chloroform	36	U	U	U	U	U	U	U	U
chloromethane	818	U	U	U	U	U	U	U	U
cis-1,2-dichloroethene	1,022	75	13	U	0.69	0.48 J	14	0.52 J	56.00
cyclohexane	175,200	U	U	U	U	U	U	U	U
ethylbenzene	743	U	1.0	U	1.9	1.8	2.4	3.0	4.0
freon 11	20,440	U	U	U	U	U	U	U	U
freon 113	876,000	U	U	U	U	U	U	U	U
freon 12	5,840	U	U	U	U	U	U	U	U
m,p-xylene (sum of isomers)	2,920	U	2.7	U	4.4	6.3	8.8	10	12 J
methyl ethyl ketone	146,000	U	U	U	U	U	U	U	U
methylene chloride	1,740	U	U	U	U	U	U	U	U
Naphthalene	NA	NA	1.2	NA	1.9	1.2	1.4	1.8	1.6
o-xylene	2,920	U	1.1	U	1.6	1.9	2.8	4.9	3.3
tetrachloroethylene (PCE)	139	U	U	U	U	U	U	U	U
tetrahydrofuran	NA	U	U	U	U	U	U	U	U
toluene	146,000	60	5.5	13	5.1	12	18	64	28
trans-1,2-dichloroethene	NA	U	U		U	U	U	U	U
trichloroethylene (TCE)	409	11,000	110	2,300	430	220	11	180	2200
vinyl chloride	186	U	U	U	U	U	U	U	U

Notes:

U - Not detected.

F- The result was detected between the MDL and RL.

J- The analyte was positvely identified, but the quantitation is an approximation.

NA- Not Available

$\mu g/m^3$: microgram per cubic meter.

Exceedance of the indoor or outdoor initial benchmark.

Table 2-1 - Building 785/786 AOC Detected Sub-slab Vapor Historical Analytical Results
October 2006/April 2008

Sample Location		**786SSV-1**		**786SSV-2**		**786SSV-3**	**786SSV-4**	**786SSV-5**	**786SSV-6**
Sample ID	**Sub-slab Vapor Screening Level ($\mu g/m^3$)**	**B786-SSV1**	**786SSV1BB**	**B786-SSV2**	**786SSV2BB**	**786SSV3BB**	**786SSV4BB**	**786SSV5BB**	**786SSV6BB**
Sample Type		**SSV**	**SSV**	**SSV**	**SSV**	**SSV**	**SSV**	**SSV**	**SSV**
Sample Date		**24-Oct-2006**	**18-Apr-2008**	**24-Oct-2006**	**18-Apr-2008**	**18-Apr-2008**	**18-Apr-2008**	**18-Apr-2008**	**18-Apr-2008**
Sample Depth (ft bgs)		**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**
Sample Collection Duration (hr)	**12**	**8**	**12**	**8**	**12**	**12**	**12**	**12**	**12**
Volatiles (TO-15) in $\mu g/m^3$									
1,2,4-trimethylbenzene	175	NA	3.9	NA	4.8	4.5	4.2	170	4.8
benzene	105	U	29	24 J	21	21	35	36	16
cis-1,2-dichloroethene	1,022	480	230	U	12	1.2	U	3.1	5.4
ethylbenzene	743	U	2.3	U	3.1	2.3	2.9	29	2.3
m,p-xylene (sum of isomers)	2,920	U	9.0	U	8.4	8.9	8.4	91	9.2
Naphthalene	NA	NA	1.3	NA	2.1	2.6	1.2	27	1.5
o-xylene	2,920	U	3.0	U	3.9	2.8	3.8	57	3.0
tetrachloroethylene (PCE)	139	2200	70	U	0.97	U	U	57	23
toluene	146,000	U	21	U	14	12	20	75	15
trichloroethylene (TCE)	409	81,000	19,000	4,700 J	1,500	69	320	3,600	6,500
vinyl chloride	186	U	U	U	U	U	U	U	U

Notes:

U - Not detected.

F- The result was detected between the MDL and RL.

J- The analyte was positvely identified, but the quantitation is an approximation.

NA- Not Available

$\mu g/m^3$: microgram per cubic meter.

Exceedance of the indoor or outdoor initial benchmark.

TABLE 2-2: INDOOR AIR SCREENING LEVELS, INDUSTRIAL/COMMERCIAL SCENARIO

Analyte	Unit Risk Factor Source[1]	Inhalation Unit Risk Factor (URF) $(\mu g/m^3)^{-1}$	Cancer Indoor Air Risk Based Concentration[2] $(\mu g/m^3)$	Reference Concentration Source[1]	Inhalation Reference Concentration (RfCi) (mg/m^3)	Non-Cancer Indoor Air Risk Based Concentration[3] $(\mu g/m^3)$	Indoor Air Screening Concentration[4] $(\mu g/m^3)$
benzene	IRIS	7.80E-06	105	IRIS	0.030	88	88
carbon disulfide	-	-	-	IRIS	0.700	2,044	2,044
carbon tetrachloride	IRIS	1.50E-05	55	-	-	-	55
chloroform	IRIS	2.30E-05	36	-	-	-	36
chloromethane (methyl chloride)	EPA-NCEA	1.00E-06	818	IRIS	0.090	263	263
allyl chloride (3-chloropropene)	-	-	-	IRIS	0.001	3	3
cyclohexane	-	-	-	IRIS	6.000	17,520	17,520
1,3-dichlorobenzene	-	-	-	EPA-NCEA	0.110	321	321
1,4-dichlorobenzene	-	-	-	IRIS	0.800	2,336	2,336
1,2-dichloroethane	IRIS	2.60E-05	31	-	-	-	31
cis-1,2-dichloroethylene	-	-	-	HEAST	0.035	102	102
ethyl acetate	-	-	-	EPA-NCEA	3.200	9,344	9,344
ethylbenzene	EPA-NCEA	1.10E-06	743	IRIS	1.000	2,920	743
n-hexane	-	-	-	IRIS	0.700	2,044	2,044
freon 11 (trichlorofluoromethane)	-	-	-	HEAST-A	0.700	2,044	2,044
freon 113 (1,1,2-trichlorotrifluoroethane)	-	-	-	HEAST	30.000	87,600	87,600
freon 12 (dichlorodifluoromethane)	-	-	-	HEAST	0.200	584	584
methyl ethyl ketone	-	-	-	IRIS	5.000	14,600	14,600
methyl isobutyl ketone	-	-	-	IRIS	3.000	8,760	8,760
methyl tert-butyl ether (MTBE)	-	-	-	IRIS	3.000	8,760	8,760
methylene chloride (dichloromethane)	IRIS	4.70E-07	1740	HEAST	3.000	8,760	1,740
styrene	-	-	-	IRIS	1.000	2,920	2,920
tetrachloroethylene (pce)	CalEPA	5.90E-06	139	CalEPA	0.035	102	102
toluene	-	-	-	IRIS	5.000	14,600	14,600
1,1,1-trichloroethane	-	-	-	IRIS	5.000	14,600	14,600
trichloroethene (tce)	CalEPA	2.00E-06	41	CalEPA	0.600	1,752	41
1,2,4-trimethylbenzene	-	-	-	EPA-NCEA	0.006	18	18
1,3,5-trimethylbenzene (mesitylene)	-	-	-	EPA-NCEA	0.006	18	18
Vinyl chloride	IRIS	4.40E-06	186	IRIS	0.100	292	186
xylenes, total	-	-	-	IRIS	0.100	292	292

Notes:

" - " Means no value was available to calculate cancer risk based concentrations or non-cancer risk values for this analyte in indoor air.

1. Unit Risk Factors and Reference Concentrations used to calculate target concentrations based on industrial exposure were taken from:

- CalEPA - California Environmental Protection Agency Air Toxics Hot Spots Program. Unit Risk Factors obtained from http://www.oehha.ca.gov/air/hot_spots/pdf/TSDNov2002.pdf. Reference Concentrations obtained from http://www.oehha.ca.gov/air/chronic_rels/AllChrels.html

- EPA-OSWER - United States Environmental Protection Agency (USEPA), OSWER Draft Guidance for Evaluating the Vapor Intrusion to Indoor Air Pathway from Groundwater and Soils (Subsurface Vapor Intrusion Guidance), EPA 530-D-02-2004, November 2002 containing Superfund Health Effects Assessment Summary Tables (HEAST), EPA-National Center for Environmental Assessment (NCEA), and HEAST Alternate (HEAST-A) values.

- IRIS - USEPA Integrated Risk Information System (IRIS), Database for Risk Assessment, accessed October 5, 2007 at http://www.epa.gov/iris/

2. Target indoor air cancer concentrations calculated based **1 x 10^{-4} Target Risk (1 x 10^{-5} for TCE)**. Industrial exposure assumptions utilized to adjust Unit Risk Factors include an averaging time of 70 years; exposure frequency of 250 days/year; exposure duration of 25 years; and daily inhalation rate of 10 m^3/day (or 12 hours/day exposure).

3. Target indoor air non-cancer concentrations calculated based a **Target Hazard Quotient of 1**. Industrial exposure assumptions utilized to adjust Reference Concentrations include an exposure frequency of 250 days/year and daily inhalation rate of 10 m^3/day (or 12 hours/day exposure).

4. Indoor Air Screening concentrations are based on the lowest of the cancer or non-cancer risk-based concentrations.

TABLE 2-3: SOIL GAS SCREENING LEVELS, INDUSTRIAL/COMMERCIAL SCENARIO

Analyte	Unit Risk Factor Source[1]	Inhalation Unit Risk Factor (URF) $(\mu g/m^3)^{-1}$	Cancer Indoor Air Risk Based Concentration[2] $(\mu g/m^3)$	Reference Concentration Source[1]	Inhalation Reference Concentration (RfCi) (mg/m^3)	Non-Cancer Indoor Air Risk Based Concentration[3] $(\mu g/m^3)$	Sub-slab Vapor Screening Concentration[4] $(\mu g/m^3)$	Soil Vapor Screening Concentration[5] $(\mu g/m^3)$
benzene	IRIS	7.80E-06	10	IRIS	0.030	88	105	1,048
carbon disulfide	-	-	-	IRIS	0.700	2,044	20,440	204,400
carbon tetrachloride	IRIS	1.50E-05	5	-	-	-	55	545
chloroform	IRIS	2.30E-05	4	-	-	-	36	355
chloromethane (methyl chloride)	EPA-NCEA	1.00E-06	82	IRIS	0.090	263	818	8,176
allyl chloride (3-chloropropene)	-	-	-	IRIS	0.001	3	29	292
cyclohexane	-	-	-	IRIS	6.000	17,520	175,200	1,752,000
1,3-dichlorobenzene	-	-	-	EPA-NCEA	0.110	321	3,212	32,120
1,4-dichlorobenzene	-	-	-	IRIS	0.800	2,336	23,360	233,600
1,2-dichloroethane	IRIS	2.60E-05	3	-	-	-	31	314
cis-1,2-dichloroethylene	-	-	-	HEAST	0.035	102	1,022	10,220
ethyl acetate	-	-	-	EPA-NCEA	3.200	9,344	93,440	934,400
ethylbenzene	EPA-NCEA	1.10E-06	74	IRIS	1.000	2,920	743	7,433
n-hexane	-	-	-	IRIS	0.700	2,044	20,440	204,400
freon 11 (trichlorofluoromethane)	-	-	-	HEAST-A	0.700	2,044	20,440	204,400
freon 113 (1,1,2-trichlorotrifluoroethane)	-	-	-	HEAST	30.000	87,600	876,000	8,760,000
freon 12 (dichlorodifluoromethane)	-	-	-	HEAST	0.200	584	5,840	58,400
methyl ethyl ketone	-	-	-	IRIS	5.000	14,600	146,000	1,460,000
methyl isobutyl ketone	-	-	-	IRIS	3.000	8,760	87,600	876,000
methyl tert-butyl ether (MTBE)	-	-	-	IRIS	3.000	8,760	87,600	876,000
methylene chloride (dichloromethane)	IRIS	4.70E-07	174	HEAST	3.000	8,760	1,740	17,396
styrene	-	-	-	IRIS	1.000	2,920	29,200	292,000
tetrachloroethylene (pce)	CalEPA	5.90E-06	14	CalEPA	0.035	102	139	1,386
toluene	-	-	-	IRIS	5.000	14,600	146,000	1,460,000
1,1,1-trichloroethane	-	-	-	IRIS	5.000	14,600	146,000	1,460,000
trichloroethene (tce)	CalEPA	2.00E-06	41	CalEPA	0.600	1,752	409	4,088
1,2,4-trimethylbenzene	-	-	-	EPA-NCEA	0.006	18	175	1,752
1,3,5-trimethylbenzene (mesitylene)	-	-	-	EPA-NCEA	0.006	18	175	1,752
Vinyl chloride	IRIS	4.40E-06	19	IRIS	0.100	292	186	1,858
xylenes, total	-	-	-	IRIS	0.100	292	2,920	29,200

Notes:

" - " Means no value was available to calculate cancer risk based concentrations or non-cancer risk values for this analyte in indoor air.

1. Unit Risk Factors and Reference Concentrations used to calculate target concentrations based on industrial exposure were taken from:

- CalEPA - California Environmental Protection Agency Air Toxics Hot Spots Program. Unit Risk Factors obtained from http://www.oehha.ca.gov/air/hot_spots/pdf/TSDNov2002.pdf. Reference Concentrations obtained from http://www.oehha.ca.gov/air/chronic_rels/AllChrels.html

- EPA-OSWER - United States Environmental Protection Agency (USEPA), OSWER Draft Guidance for Evaluating the Vapor Intrusion to Indoor Air Pathway from Groundwater and Soils (Subsurface Vapor Intrusion Guidance), EPA 530-D-02-2004, November 2002 containing Superfund Health Effects Assessment Summary Tables (HEAST), EPA-National Center for Environmental Assessment (NCEA), and HEAST Alternate (HEAST-A) values.

- IRIS - USEPA Integrated Risk Information System (IRIS), Database for Risk Assessment, accessed October 5, 2007 at http://www.epa.gov/iris/

2. Target indoor air cancer concentrations are calculated based **1 x 10^{-5} Target Risk**. Industrial exposure assumptions utilized to adjust Unit Risk Factors include an averaging time of 70 years; exposure frequency of 250 days/year; exposure duration of 25 years; and daily inhalation rate of 10 m^3/day (or 12 hours/day exposure).

3. Target indoor air non-cancer concentrations calculated based a **Target Hazard Quotient of 1**. Industrial exposure assumptions utilized to adjust Reference Concentrations include an exposure frequency of 250 days/year and daily inhalation rate of 10 m^3/day (or 12 hours/day exposure).

4. Sub-slab Vapor Screening concentrations are based on the lowest of the cancer (**1 x 10^{-5} Target Risk**) or non-cancer risk (**Target Hazard Quotient of 1**), adjusted a Sub-slab vapor-to-Indoor Air Attenuation Factor of 10%.

5. Soil Vapor Screening concentrations are based on the lowest of the cancer (**1 x 10^{-5} Target Risk**) or non-cancer risk (**Target Hazard Quotient of 1**), adjusted a Soil vapor-to-Indoor Air Attenuation Factor of 1%.

Table 3-1
SSVM Systems Operation and Maintenance

Field Activities	Rationale	Location	Parameters
System Component Readings	Weekly recording of system temperature, flow, vacuum and motor status to determine proper operation.	Building 774 / 776 Blower Shed and Building 785 / 786 Blower Shed	None
VMP Vacuum Measurements	Semi-annually recording to support sub-slab depressurization.	VMPs inside buildings as shown on Figure 3-1 and 3-2	None
Granular Activated Carbon Replacement	Every four months to adsorb extracted chlorinated solvent vapors.	Building 774 / 776 Blower Shed and Building 785 / 786 Blower Shed	None
Indoor Air Sampling	Semi-Annually to evaluate current human exposure and to obtain site specific attenuation factors for risk assessment (ratio of indoor air to sub-slab vapor concentrations).	One sample per building as shown on Figure 3-1 and 3-2	VOC: Method TO-15 Full List
Outdoor Air Sampling	Semi-Annually to occur simultaneously with indoor air sampling to evaluate potential influence of outdoor air on indoor air sampled.	One sample per site as shown on Figure 3-1 and 3-2	VOC: Method TO-15 Full List
Sub-Slab Vapor Sampling	Semi-Annually to occur simultaneously with indoor air sampling to evaluate chlorinated solvent transport and mitigation and to obtain site specific attenuation factors for risk assessment (ratio of indoor air to sub-slab vapor concentrations).	VMPs inside buildings as shown on Figure 3-1 and 3-2	VOC: Method TO-15 Full List
Influent Sampling	Semi-Annually prior to sub-slab sampling to determine soil vapor extraction.	SSVM System's exhaust stack before carbon treatment	VOC: Method TO-15 Full List

Table 3-2
Building 774 SSVM Performance Monitoring
Sub-Slab Vapor, Indoor and Outdoor Air Results

Sample Location	Sub-slab Vapor Screening Level ($\mu g/m^3$)	Indoor Air Screening Level ($\mu g/m^3$)	774VMP-1								
Sample ID			**774VMP0101AA**	**774VMP0101AB**	**774VMP0101AC**	**774VMP0101AD**	**774VMP0101AG**	**774VMP0101HA**	**774VMP0101IA**	**774VMP0101JA**	**774VMP0101KA**
Sample Type			**sub-slab**	**sub-slab**	**sub-slab**	**sub-slab**	**sub-slab**	**sub-slab**	**sub-slab**	**sub-slab**	**sub-slab**
Sample Date			**4-May-2011**	**24-Aug-2011**	**21-Oct-2011**	**25-Jan-2012**	**6-Aug-2012**	**21-Feb-2013**	**8-Aug-2013**	**30-Jan-2014**	**17-Jul-2014**
Sample Depth (ft bgs / ags)			**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**
Sample Collection Duration (hr)			**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**
Volatiles (TO-15) in $\mu g/m^3$											
1,1,1-trichloroethane	146,000	14,600	59	8.3	U	U	U	U	U	0.84 J	U
1,1-dichloroethane	NA	NA	0.53 J	U	U	U	U	U	U	U	U
1,2,4-trimethylbenzene	175	18	6.7	3.2	U	12	1.8	1.3 J	U	U	U
1,2-dichloroethane	31	31	U	U	U	U	U	0.37 J	U	U	U
1,3,5-trimethylbenzene	175	18	2.5	0.9	U	3.2 J	0.47 J	0.52 J	U	U	U
1,3-dichlorobenzene	3,212	321	U	U	U	1.4 J	0.40 J	U	U	U	U
1,4-dichlorobenzene	23,360	2,336	U	U	U	U	U	U	0.31 J	U	U
1,4-dioxane	NA	NA	U	U	U	U	U	U	U	U	U
2,2,4-trimethylpentane	NA	NA	U	1.9	U	2.6 J	2.2	15	1.1	U	U
4-ethyltoluene	NA	NA	4.6	1.2	U	3.2 J	0.56 J	0.26 J	U	U	U
4-isopropyltoluene	NA	NA	NA	NA	NA	U	0.28 J	U	U	U	U
acetone	NA	NA	54	31	18	64	30 B	86	28	43 J	U
benzene	105	88	1.6	4.3	U	U	0.44 J	1.3	0.64	0.49 J	U
carbon disulfide	20,440	2,044	U	0.66	U	U	U	0.42 J	1.3 J	U	U
carbon tetrachloride	55	55	1	0.70 J	U	U	0.50 J	0.76 J	0.71 J	0.55 J	U
chlorobenzene	NA	NA	U	0.51 J	U	U	U	U	0.15 J	U	U
chloroethane	NA	NA	U	U	U	U	U	U	U	U	U
chloroform	36	36	18	9.1	U	U	0.38 J	U	0.42 J	0.82 J	U
chloromethane	818	263	3.5	U	U	U	1.1	2.1	1.2	1.5	U
cis-1,2-dichloroethene	1,022	102	0.89	0.77	U	U	U	U	U	U	U
cumene	NA	NA	NA	NA	NA	1.1 J	U	U	0.42 J	U	U
cyclohexane	175,200	17,520	4.8	7.8	2.4	U	2.3	18	0.91	1.1	U
ethyl acetate	93,440	9,344	U	U	0.77 J	U	U	U	NA	U	U
ethylbenzene	743	743	1.4	2.8	U	4.1 J	0.95	1.8	0.97	U	U
freon 11 (trichlorofluoromethane)	20,440	2,044	31	19	2.0	1.9 J	2.3	2 J	3.7	2.4	15 J
freon 113 (freon TF)	876,000	87,600	U	0.78 J	U	U	0.63 J	0.65 J	0.50 J	0.62 J	U
freon 12 (dichlorodifluoromethane)	5,840	584	2.1	2.8	2.5	2.4 J	2.8	3.4 J	2.3 J	3.1	2.8 J
freon 22	NA	NA	NA	NA	NA	300	83	7.3 J	17	8.2	1100
heptane	NA	NA	U	3.7	U	U	0.68 J	18	0.57 J	0.51 J	U
hexane	20,440	2,044	U	7.9	U	5.1	1.2	27	0.67 J	0.71	U
isopropyl alcohol	NA	NA	U	U	2.8	17 J	22	65	15	4.0 J	9.0 J
m,p-xylene (sum of isomers)	2,920	292	5.3	9	U	12	3.1	6.4	2.5	U	U
methyl butyl ketone	NA	NA	U	U	U	U	0.43 J	U	0.58 J	U	U
methyl ethyl ketone	146,000	14,600	1.7	4.9	1.7	1.9 J	3.2 B	6.1	3.2	2.5	U
methyl isobutyl ketone	87,600	8,760	U	U	U	U	1.1 J	U	0.61 J	0.40 J	U
methyl methacrylate	NA	NA	NA	NA	NA	U	U	U	U	U	U
methylene chloride	1,740	1,740	U	0.99	0.46 J	U	0.72 J	0.77 J	0.50 J	0.69 J	U
Naphthalene	NA	NA	U	U	U	U	0.60 J	1.1 J	U	U	U
n-Butane	NA	NA	NA	NA	NA	U	1.4	3.7	1.0 J	12	U
n-Propylbenzene	NA	NA	NA	NA	NA	2.2 J	0.36 J	U	U	U	U
o-xylene	2,920	292	2.4	2.4	U	7.9	1.2	2	0.63 J	U	U
styrene	29,200	2,920	U	U	U	U	0.48 J	0.41 J	U	U	U
tert-Butyl alcohol	NA	NA	NA	NA	NA	U	U	1.4 J	1.4 J	U	U
tetrachloroethylene (pce)	139	102	0.97 J	1	U	U	U	U	U	U	U
tetrahydrofuran	NA	NA	3.1	U	U	U	2.2 J	U	U	U	U
toluene	146,000	14,600	1.6	17	2.1	5.2	4.2	7.4	3.3	0.69 J	1.4 J
trichloroethylene (tce)	409	41	580	410	3.7	4.8 J	1.0 J	0.24 J	0.18 J	6.8	U
vinyl chloride	186	186	U	U	U	U	U	U	U	U	U

Notes:
U - Not detected.
J- The analyte was positively identified; the quantitation is an estimation.
NA- Not Available
$\mu g/m^3$: microgram per cubic meter.
Exceedance of the indoor or outdoor initial benchmark.
B - Analytes detected in the trip blank.

Table 3-2
Building 774 SSVM Performance Monitoring
Sub-Slab Vapor, Indoor and Outdoor Air Results

Sample Location	Sub-slab Vapor Screening Level ($\mu g/m^3$)	Indoor Air Screening Level ($\mu g/m^3$)	774VMP-2								
Sample ID			**774VMP0201AA**	**774VMP0201AB**	**774VMP0201AC**	**774VMP0201AD**	**774VMP0201AG**	**774VMP0201HA**	**774VMP0201IA**	**774VMP0201JA**	**774VMP0201KA**
Sample Type			**sub-slab**	**sub-slab**	**sub-slab**	**sub-slab**	**sub-slab**	**sub-slab**	**sub-slab**	**sub-slab**	**sub-slab**
Sample Date			**4-May-2011**	**24-Aug-2011**	**21-Oct-2011**	**25-Jan-2012**	**6-Aug-2012**	**21-Feb-2013**	**8-Aug-2013**	**30-Jan-2014**	**17-Jul-2014**
Sample Depth (ft bgs / ags)			**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**
Sample Collection Duration (hr)			**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**
Volatiles (TO-15) in $\mu g/m^3$											
1,1,1-trichloroethane	146,000	14,600	85	2.4	U	U	2.6	U	U	U	U
1,1-dichloroethane	NA	NA	U	U	U	U	U	U	U	U	U
1,2,4-trimethylbenzene	175	18	12	4	0.65 J	6.0 J	1.7	0.45 J	0.34 J	0.31 J	U
1,2-dichloroethane	31	31	U	U	U	U	U	U	U	U	U
1,3,5-trimethylbenzene	175	18	3.9	2	U	U	0.43 J	U	U	U	U
1,3-dichlorobenzene	3,212	321	U	U	U	U	0.37 J	U	U	U	U
1,4-dichlorobenzene	23,360	2,336	U	U	U	U	U	U	U	U	U
1,4-dioxane	NA	NA	U	U	U	U	U	U	U	U	U
2,2,4-trimethylpentane	NA	NA	U	2.2	U	2.1 J	U	12	U	0.26 J	U
4-ethyltoluene	NA	NA	8.5	1.5	U	U	0.52 J	U	U	U	U
4-isopropyltoluene	NA	NA	NA	NA	NA	U	0.34 J	U	U	0.47 J	U
acetone	NA	NA	53	U	11	110 J	43	82	22	47 J	U
benzene	105	88	6	4.4	U	U	0.53 J	1.2	0.34 J	0.79	U
carbon disulfide	20,440	2,044	0.95	0.6	U	U	1.2 J	U	U	U	U
carbon tetrachloride	55	55	1.4	0.70 J	U	U	0.59 J	U	1.0 J	0.78 J	U
chlorobenzene	NA	NA	U	0.56 J	U	U	U	U	U	U	U
chloroethane	NA	NA	U	U	U	U	U	U	U	U	U
chloroform	36	36	45	1.8	0.69 J	U	0.69 J	U	0.76 J	1.1	U
chloromethane	818	263	U	U	U	U	0.77 J	1.9	1.3	1.0 J	U
cis-1,2-dichloroethene	1,022	102	0.73	U	U	U	U	U	U	U	U
cumene	NA	NA	NA	NA	NA	U	U	U	U	U	U
cyclohexane	175,200	17,520	5.9	10	3.5	U	1.8	12	1.3	1.6 J	U
ethyl acetate	93,440	9,344	U	0.62 J	U	U	U	U	NA	U	U
ethylbenzene	743	743	1.6	3.2	U	1.9 J	0.94	1.5	0.31 J	0.25 J	U
freon 11 (trichlorofluoromethane)	20,440	2,044	400	22	2.2	U	3.8	1.8	7.3	3.5	14 J
freon 113 (freon TF)	876,000	87,600	0.86 J	0.78 J	U	U	0.61 J	U	0.51 J	0.82 J	U
freon 12 (dichlorodifluoromethane)	5,840	584	2.8	2.8	2.1	3.1 J	2.5	2.9	2.4 J	3.4	U
freon 22	NA	NA	NA	NA	NA	750	130	6.7 J	27	U	1300 J
heptane	NA	NA	U	4.2	6.2	U	0.88	18	0.32 J	0.75 J	U
hexane	20,440	2,044	U	8.2	U	U	0.77	23	0.49 J	0.83	U
isopropyl alcohol	NA	NA	4.4	15	2.4	20 J	30	39	44	7.2 J	12 J
m,p-xylene (sum of isomers)	2,920	292	5.1	12	0.53 J	5.5 J	3.1	4.7	0.89 J	0.63 J	U
methyl butyl ketone	NA	NA	U	U	U	U	U	U	0.19 J	U	U
methyl ethyl ketone	146,000	14,600	4.3	3	U	U	3.4 B	5.4	1.2 J	2.0	U
methyl isobutyl ketone	87,600	8,760	U	U	U	U	1.3 J	U	0.44 J	0.45 J	U
methyl methacrylate	NA	NA	NA	NA	NA	U	U	U	U	U	U
methylene chloride	1,740	1,740	U	U	U	U	0.59 J	U	0.48 J	1.1 J	U
Naphthalene	NA	NA	U	U	U	U	1.9 J	U	U	U	U
n-Butane	NA	NA	NA	NA	NA	U	1.2 J	3.6	4.7	18 J	U
n-Propylbenzene	NA	NA	NA	NA	NA	U	0.31 J	U	U	U	U
o-xylene	2,920	292	2.2	2.8	U	3.6 J	1.1	1.2	0.34 J	0.23 J	U
styrene	29,200	2,920	U	U	U	U	0.44 J	U	0.18 J	U	U
tert-Butyl alcohol	NA	NA	NA	NA	NA	U	U	U	U	U	U
tetrachloroethylene (pce)	139	102	2.8	U	U	U	U	U	U	0.25 J	U
tetrahydrofuran	NA	NA	6.7	U	U	U	1.4 J	U	U	U	U
toluene	146,000	14,600	3.2	17	1.4	4.8 J	3.9	4.7	1.4	1.2 J	U
trichloroethylene (tce)	409	41	2,900	84	11	4.2 J	20	U	0.21 J	3.3 J	U
vinyl chloride	186	186	U	U	U	U	U	U	U	U	U

Notes:
U - Not detected.
J- The analyte was positively identified; the quantitation is an estimation.
NA- Not Available
$\mu g/m^3$: microgram per cubic meter.
Exceedance of the indoor or outdoor initial benchmark.
B - Analytes detected in the trip blank.

Table 3-2
Building 774 SSVM Performance Monitoring
Sub-Slab Vapor, Indoor and Outdoor Air Results

Sample Location	Sub-slab Vapor Screening Level ($\mu g/m^3$)	Indoor Air Screening Level ($\mu g/m^3$)	774VMP-3								
Sample ID			**774VMP0301AA**	**774VMP0301AB**	**774VMP0301AC**	**774VMW0301AD**	**774VMP0301AG**	**774VMP0301HA**	**774VMP0301IA**	**774VMP0301JA**	**774VMP0301KA**
Sample Type			**sub-slab**	**sub-slab**	**sub-slab**	**sub-slab**	**sub-slab**	**sub-slab**	**sub-slab**	**sub-slab**	**sub-slab**
Sample Date			**4-May-2011**	**24-Aug-2011**	**21-Oct-2011**	**26-Jan-2012**	**6-Aug-2012**	**21-Feb-2013**	**8-Aug-2013**	**30-Jan-2014**	**17-Jul-2014**
Sample Depth (ft bgs / ags)			**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**
Sample Collection Duration (hr)			**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**
Volatiles (TO-15) in $\mu g/m^3$											
1,1,1-trichloroethane	146,000	14,600	12	0.67 J	U	U	U	U	U	U	U
1,1-dichloroethane	NA	NA	U	U	U	U	U	U	U	U	U
1,2,4-trimethylbenzene	175	18	6.3	4.1	0.95	U	0.35 J	1.4 J	U	U	U
1,2-dichloroethane	31	31	U	U	U	U	U	U	U	U	U
1,3,5-trimethylbenzene	175	18	2.2	1.8	U	U	U	U	U	U	U
1,3-dichlorobenzene	3,212	321	U	U	U	U	U	U	U	U	U
1,4-dichlorobenzene	23,360	2,336	U	U	U	U	U	U	U	U	U
1,4-dioxane	NA	NA	U	U	U	U	U	U	U	U	U
2,2,4-trimethylpentane	NA	NA	U	2.3	U	U	U	13	0.22 J	U	U
4-ethyltoluene	NA	NA	4.2	1.6	U	U	U	U	U	U	U
4-isopropyltoluene	NA	NA	NA	NA	NA	U	0.27 J	1.8 J	U	U	U
acetone	NA	NA	17	19	12	30 J	25 B	94	11 J	U	170 J
benzene	105	88	2.5	3.8	0.39 J	U	0.38 J	2.9 J	0.34 J	U	5.8 J
carbon disulfide	20,440	2,044	0.95	1.4	U	U	0.32 J	9	0.25 J	U	U
carbon tetrachloride	55	55	0.45	U	U	U	U	U	U	U	U
chlorobenzene	NA	NA	U	0.84	U	U	U	U	0.10 J	U	U
chloroethane	NA	NA	U	U	U	U	U	U	U	U	U
chloroform	36	36	9.1	U	U	U	0.22 J	U	0.16 J	U	U
chloromethane	818	263	U	U	U	U	0.43 J	1.3 J	0.79 J	U	U
cis-1,2-dichloroethene	1,022	102	U	U	U	U	U	U	U	U	U
cumene	NA	NA	NA	NA	NA	U	U	U	U	U	U
cyclohexane	175,200	17,520	6.2	11	4.8	U	0.83	12	0.94	U	12 J
ethyl acetate	93,440	9,344	U	U	U	U	U	U	NA	U	U
ethylbenzene	743	743	1.5	3.6	U	U	0.45 J	4 J	0.26 J	U	2.5 J
freon 11 (trichlorofluoromethane)	20,440	2,044	630	120	9.5	21	15	5.4 J	40	15 J	370
freon 113 (freon TF)	876,000	87,600	0.86 J	0.78 J	U	U	0.51 J	U	0.45 J	U	U
freon 12 (dichlorodifluoromethane)	5,840	584	U	2.6	2.4	3.5 J	2.4 J	3.5 J	2.1 J	U	24 J
freon 22	NA	NA	NA	NA	NA	880	26	11 J	11	U	4000
heptane	NA	NA	U	3.5	U	U	0.72 J	17	0.23 J	U	U
hexane	20,440	2,044	U	7.5	U	U	1.6	20	0.37 J	U	U
isopropyl alcohol	NA	NA	U	U	U	25 J	4.2 J	65	7.4 J	U	110 J
m,p-xylene (sum of isomers)	2,920	292	4.5	12	1.2 J	U	1.2 J	15	0.66 J	U	5.6 J
methyl butyl ketone	NA	NA	U	U	U	U	0.81 J	U	U	U	U
methyl ethyl ketone	146,000	14,600	U	U	U	7.6 J	3.8 B	13	U	U	U
methyl isobutyl ketone	87,600	8,760	U	U	U	U	0.37 J	1.1 J	0.37 J	U	U
methyl methacrylate	NA	NA	NA	NA	NA	U	U	U	U	U	U
methylene chloride	1,740	1,740	U	U	U	U	2.1	2.3 J	0.51 J	U	U
Naphthalene	NA	NA	U	U	U	U	0.68 J	U	U	U	U
n-Butane	NA	NA	NA	NA	NA	U	2.7	3.2 J	0.96 J	U	U
n-Propylbenzene	NA	NA	NA	NA	NA	U	U	U	U	U	U
o-xylene	2,920	292	2.2	3.2	U	U	0.38 J	3.7 J	0.26 J	U	U
styrene	29,200	2,920	U	1.4	U	U	0.31 J	U	0.23 J	U	5.0 J
tert-Butyl alcohol	NA	NA	NA	NA	NA	U	1.3 J	U	0.50 J	U	U
tetrachloroethylene (pce)	139	102	U	U	U	U	U	U	0.24 J	U	U
tetrahydrofuran	NA	NA	U	U	U	12 J	1.3 J	U	U	U	U
toluene	146,000	14,600	2.3	16	2.2	1.3 J	4.0	12.0	1.1	U	8.6 J
trichloroethylene (tce)	409	41	300	11	3.0	U	1.0 J	1.3 J	0.33 J	U	9.2 J
vinyl chloride	186	186	U	U	U	U	U	U	U	U	U

Notes:
U - Not detected.
J- The analyte was positively identified; the quantitation is an estimation.
NA- Not Available
$\mu g/m^3$: microgram per cubic meter.
Exceedance of the indoor or outdoor initial benchmark.
B - Analytes detected in the trip blank.

Table 3-2
Building 774 SSVM Performance Monitoring
Sub-Slab Vapor, Indoor and Outdoor Air Results

Sample Location	Sub-slab Vapor Screening Level ($\mu g/m^3$)	Indoor Air Screening Level ($\mu g/m^3$)	774-IA								
Sample ID			**774IA1AD**	**774IA1AE**	**774IA1AF**	**774IA1AG**	**774IA1AH**	**774IA1IA**	**774IA1JA**	**774IA1KA**	**774IA1LA**
Sample Type			**Indoor**	**Indoor**	**Indoor**	**Indoor**	**Indoor**	**Indoor**	**Indoor**	**Indoor**	**Indoor**
Sample Date			**5-May-2011**	**6-Sep-2011**	**21-Oct-2011**	**25-Jan-2012**	**6-Aug-12**	**21-Feb-13**	**8-Aug-13**	**30-Jan-14**	**17-Jul-14**
Sample Depth (ft bgs / ags)			**5**	**5**	**5**	**5**	**5**	**5**	**5**	**5**	**5**
Sample Collection Duration (hr)			**12**	**12**	**12**	**12**	**12**	**12**	**12**	**12**	**12**
Volatiles (TO-15) in $\mu g/m^3$											
1,1,1-trichloroethane	146,000	14,600	U	U	U	U	U	U	U	U	U
1,1-dichloroethane	NA	NA	U	U	U	U	U	U	U	U	U
1,2,4-trimethylbenzene	175	18	2.7	1.6	0.65 J	U	U	U	0.28 J	0.32 J	0.20 J
1,2-dichloroethane	31	31	U	U	U	U	U	U	U	U	U
1,3,5-trimethylbenzene	175	18	U	U	U	U	U	U	U	U	U
1,3-dichlorobenzene	3,212	321	U	U	U	U	U	0.27 J	U	U	U
1,4-dichlorobenzene	23,360	2,336	U	U	U	U	U	0.46 J	U	U	U
1,4-dioxane	NA	NA	U	U	U	U	U	1.6 J	U	U	U
2,2,4-trimethylpentane	NA	NA	U	U	U	U	U	0.55 J	0.24 J	U	U
4-ethyltoluene	NA	NA	U	U	U	U	U	U	U	U	U
4-isopropyltoluene	NA	NA	NA	NA	NA	U	U	U	U	U	U
acetone	NA	NA	52	34	19	28 J	32 B	44	18	47	18 J
benzene	105	88	1.3	U	U	U	U	0.69	0.31 J	0.80	0.24 J
carbon disulfide	20,440	2,044	0.66	U	U	U	U	U	U	U	U
carbon tetrachloride	55	55	0.51	0.90 J	U	U	0.45 J	0.46 J	0.44 J	0.53 J	0.49 J
chlorobenzene	NA	NA	0.7	U	U	U	U	U	U	U	U
chloroethane	NA	NA	U	U	U	U	U	0.2 J	U	U	U
chloroform	36	36	0.55 J	U	U	U	0.28 J	0.32 J	0.18 J	0.57 J	U
chloromethane	818	263	U	1.2	U	1.7 J	1.2	2.7	1.0 J	1.7	1.2 J
cis-1,2-dichloroethene	1,022	102	U	U	U	U	U	U	U	0.21 J	U
cumene	NA	NA	NA	NA	NA	U	U	U	U	U	U
cyclohexane	175,200	17,520	1.3	U	U	U	U	0.57 J	0.14 J	U	U
ethyl acetate	93,440	9,344	U	U	U	U	U	U	NA	U	U
ethylbenzene	743	743	0.84	0.57 J	U	U	U	0.19 J	0.24 J	0.26 J	0.23 J
freon 11 (trichlorofluoromethane)	20,440	2,044	33	77	4.2	8.9	5.0	3.2	40	16	18
freon 113 (freon TF)	876,000	87,600	U	0.86 J	U	U	0.56 J	0.72 J	0.55 J	0.65 J	U
freon 12 (dichlorodifluoromethane)	5,840	584	U	2.8	2.4	U	2.4 J	3	2.2 J	3.0	2.9 J
freon 22	NA	NA	NA	NA	NA	350	40	10 J	11	13	330
heptane	NA	NA	1.7	U	U	U	U	0.66 J	0.21 J	0.51 J	U
hexane	20,440	2,044	33	U	U	U	U	1.9	0.42 J	0.74	0.34 J
isopropyl alcohol	NA	NA	11	32	9.9	29 J	8.3 J	26	14	26	11 J
m,p-xylene (sum of isomers)	2,920	292	2.4	1.2 J	0.57 J	U	U	0.44 J	0.65 J	0.61 J	0.45 J
methyl butyl ketone	NA	NA	U	U	U	U	0.62 J	U	0.61 J	U	U
methyl ethyl ketone	146,000	14,600	U	2.8	U	2.5 J	2.2 B	15	2.6	1.6	3.5 J
methyl isobutyl ketone	87,600	8,760	U	U	U	U	0.37 J	1 J	0.35 J	0.30 J	U
methyl methacrylate	NA	NA	NA	NA	NA	U	U	0.93 J	U	U	U
methylene chloride	1,740	1,740	U	1.1	U	U	0.45 J	1 J	0.59 J	0.76 J	U
Naphthalene	NA	NA	U	U	U	U	U	U	U	U	U
n-Butane	NA	NA	NA	NA	NA	U	0.32 J	2.5	1.0 J	18	U
n-Propylbenzene	NA	NA	NA	NA	NA	U	U	U	U	U	U
o-xylene	2,920	292	0.71	0.49 J	U	U	U	0.18 J	0.27 J	0.23 J	U
styrene	29,200	2,920	0.78	0.56 J	U	U	U	0.18 J	0.24 J	0.16 J	0.43 J
tert-Butyl alcohol	NA	NA	NA	NA	NA	U	U	1.7 J	0.69 J	U	U
tetrachloroethylene (pce)	139	102	U	U	U	U	U	U	U	U	U
tetrahydrofuran	NA	NA	U	U	U	U	U	U	U	U	U
toluene	146,000	14,600	5.1	2.5	1.3	0.76 J	0.47 J	0.71 J	1	1.2	0.65 J
trichloroethylene (tce)	409	41	4.4	2.3	0.87	1.5 J	0.35 J	0.22 J	U	0.34 J	U
vinyl chloride	186	186	U	U	U	U	U	U	U	U	U

Notes:
U - Not detected.
J- The analyte was positively identified; the quantitation is an estimation.
NA- Not Available
$\mu g/m^3$: microgram per cubic meter.
Exceedance of the indoor or outdoor initial benchmark.
B - Analytes detected in the trip blank.

Table 3-2
Building 776 SSVM Performance Monitoring
Sub-Slab Vapor, Indoor and Outdoor Air Results

Sample Location	Sub-slab Vapor Screening Level ($\mu g/m^3$)	Indoor Air Screening Level ($\mu g/m^3$)	776VMP-1								
Sample ID			**776VMP0101AA**	**776VMP0101AB**	**776VMP0101AC**	**776VMP0101AD**	**776VMP0101AG**	**776VMP0101HA**	**776VMP0101IA**	**776VMP0101JA**	**776VMP0101KA**
Sample Type			**sub-slab**	**sub-slab**	**sub-slab**	**sub-slab**	**sub-slab**	**sub-slab**	**sub-slab**	**sub-slab**	**sub-slab**
Sample Date			**4-May-2011**	**6-Sep-2011**	**21-Oct-2011**	**25-Jan-2012**	**6-Aug-2012**	**21-Feb-2013**	**9-Aug-2013**	**30-Jan-2014**	**17-Jul-2014**
Sample Depth (ft bgs / ags)			**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**
Sample Collection Duration (hr)			**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**
Volatiles (TO-15) in $\mu g/m^3$											
1,1,1-trichloroethane	146,000	14,600	4.5	U	U	U	U	U	U	U	U
1,1,2,2-tetrachloroethane	NA	NA	U	U	U	U	U	U	U	U	U
1,2,4-trimethylbenzene	175	18	9.0	3.5	U	U	0.46 J	0.66 J	0.27 J	U	U
1,2-dichloroethane	31	31	U	0.45 J	U	U	0.32 J	U	U	U	U
1,3,5-trimethylbenzene	175	18	3.8	1.6	U	U	U	U	U	U	U
1,3-dichlorobenzene	NA	321	U	U	U	U	U	U	U	U	U
1,4-dioxane	NA	NA	U	U	U	U	U	U	U	U	U
2,2,4-trimethylpentane	NA	NA	U	U	0.47 J	U	U	6.5	0.18 J	U	U
4-ethyltoluene	NA	NA	7.2	0.9	U	U	U	U	U	U	U
4-isopropyltoluene	NA	NA	NA	NA	NA	U	0.33 J	U	U	U	U
acetone	NA	NA	25	39	39	23	57	37	26	11 J	24
benzene	105	88	1.0	0.55	1.3	0.52 J	0.43 J	0.87	0.30 J	0.68	0.26 J
bromomethane	NA	NA	U	U	U	U	U	U	U	U	U
carbon disulfide	20,440	2,044	1.2	0.57	0.44 J	U	9.5	U	0.22 J	U	2.3 J
carbon tetrachloride	55	55	0.77	0.77 J	U	0.53 J	0.83 J	0.51 J	1.1 J	0.52 J	0.47 J
chlorobenzene	NA	NA	U	U	U	U	U	U	U	U	U
chloroethane	NA	NA	U	U	U	U	U	U	U	U	U
chloroform	36	36	11	0.79	U	0.27 J	U	U	0.66 J	0.17 J	0.25 J
chloromethane	818	263	U	1.1	U	0.67 J	1.3	1.4	1.2	1.1	0.85 J
cis-1,2-dichloroethene	1,022	102	U	9.70	U	U	U	U	U	U	U
cumene	NA	NA	NA	NA	NA	U	U	U	U	U	U
cyclohexane	175,200	17,520	6.8	1.6	3.0	1.2	2.9	6.6	1.1	0.9	1.1 J
ethyl acetate	93,440	9,344	U	U	U	U	U	U	NA	U	U
ethylbenzene	743	743	1.6	0.79	1.6	U	0.92	0.76 J	0.40 J	0.30 J	U
freon 11 (trichlorofluoromethane)	20,440	2,044	1.7	2.5	1.3	1.4	1.3	1.5	1.2	1.4	1.2 J
freon 113 (freon TF)	876,000	87,600	8.6	0.86 J	U	0.70 J	0.65 J	0.73 J	0.54 J	0.69 J	0.63 J
freon 12 (dichlorodifluoromethane)	5,840	584	6.6	2.9	2.2	2.9	2.5	2.9	U	3.0	2.7 J
freon 22	NA	NA	NA	NA	NA	12	13	52 J	3	17	130
heptane	NA	NA	U	U	1.0	U	0.38 J	8.3	0.20 J	U	U
hexane	20,440	2,044	U	U	1.9	0.38 J	U	9.8	0.29 J	0.35 J	0.33 J
isopropyl alcohol	NA	NA	U	21	21	49	46	46	19	24	15 J
m,p-xylene (sum of isomers)	2,920	292	5.4	1.9	4.0	0.23 J	1.8 J	2.4	0.87 J	0.60 J	U
methyl butyl ketone	NA	NA	U	U	U	U	1.4 J	U	0.63 J	U	U
methyl ethyl ketone	146,000	14,600	2.9	2.7	1.9	5.9	4.3	3.9	2.8	0.86 J	4
methyl isobutyl ketone	87,600	8,760	2.2	U	U	U	3.1	U	1.1 J	0.22 J	0.28 J
methyl methacrylate	NA	NA	NA	NA	NA	U	U	U	U	U	U
methyl tert-butyl ether	87,600	8760	U	U	U	U	U	U	U	U	U
methylene chloride	1,740	1,740	U	13	0.46 J	0.49 J	0.52 J	1 J	0.47 J	0.67 J	U
naphthalene	NA	NA	U	U	U	U	3.2 J	U	0.61 J	U	U
n-Butane	NA	NA	NA	NA	NA	2.4	2.8	2.4	1.1 J	3.3	U
o-xylene	2,920	292	2.5	0.97	1.1	U	0.65 J	0.78 J	0.31 J	0.23 J	U
styrene	29,200	2,920	1.1	1.1	0.56 J	U	1.0	0.2 J	0.31 J	0.20 J	U
tert-Butyl alcohol	NA	NA	NA	NA	NA	1.3 J	2.0 J	1 J	0.89 J	U	U
tetrachloroethylene (pce)	139	102	U	2.7	U	U	U	U	U	U	U
tetrahydrofuran	NA	NA	4.8	1.1	U	9.9 J	0.72 J	U	U	U	U
toluene	146,000	14,600	5.6	4.1	6.1	0.40 J	1.5	3.1	1.1	0.85	0.38 J
trichloroethylene (tce)	409	41	21	38	U	0.36 J	U	U	U	0.36 J	0.71 J
vinyl chloride	186	186	U	0.81	U	U	U	U	U	U	U

Notes:
U - Not detected.
J- The analyte was positively identified; the quantitation is an estimation.
NA- Not Available
$\mu g/m^3$: microgram per cubic meter.
Exceedance of the indoor or outdoor initial benchmark.
B - Analytes detected in the trip blank.
♦-Denotes higher nominal value of duplicate sample result.

Table 3-2
Building 776 SSVM Performance Monitoring
Sub-Slab Vapor, Indoor and Outdoor Air Results

Sample Location	Sub-slab Vapor Screening Level ($\mu g/m^3$)	Indoor Air Screening Level ($\mu g/m^3$)	776VMP-2								
Sample ID			**776VMP0201AA**	**776VMP0201AB**	**776VMP0201AC**	**776VMP0201AD**	**776VMP0201AG**	**776VMP0201HA**	**776VMP0201IA**	**776VMP0201JA**	**776VMP0201KA**
Sample Type			**sub-slab**	**sub-slab**	**sub-slab**	**sub-slab**	**sub-slab**	**sub-slab**	**sub-slab**	**sub-slab**	**sub-slab**
Sample Date			**4-May-2011**	**6-Sep-2011**	**21-Oct-2011**	**25-Jan-2012**	**6-Aug-2012**	**21-Feb-2013**	**9-Aug-2013**	**30-Jan-2014**	**17-Jul-2014**
Sample Depth (ft bgs / ags)			**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**
Sample Collection Duration (hr)			**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**
Volatiles (TO-15) in $\mu g/m^3$											
1,1,1-trichloroethane	146,000	14,600	8.7	U	U	U	U	U	U	U	U
1,1,2,2-tetrachloroethane	NA	NA	U	U	U	U	U	U	U	U	U
1,2,4-trimethylbenzene	175	18	9.1	3.3	0.65 J	U	0.45 J	0.73 J	2	5.6	2.7
1,2-dichloroethane	31	31	U	0.49 J	U	U	U	U	U	0.27 J	U
1,3,5-trimethylbenzene	175	18	2.8	1.2	U	U	U	U	0.55 J	1.6	0.74 J
1,3-dichlorobenzene	NA	321	U	U	U	U	U	U	U	44	7.8
1,4-dioxane	NA	NA	U	U	U	U	U	U	U	U	U
2,2,4-trimethylpentane	NA	NA	U	U	U	0.24 J	0.56 J	6.5 J	2.1	0.92 ♦	0.80 J
4-ethyltoluene	NA	NA	5.1	1.0	U	U	U	0.27 J	0.58 JM	1.7	0.81 J
4-isopropyltoluene	NA	NA	NA	NA	NA	0.49 J	0.41 J	U	U	1.8 ♦	U
acetone	NA	NA	17	39	45	20	43	36	38	58	38 ♦
benzene	105	88	1.1	0.45 J	1.5	0.65	0.43 J	0.92	0.7	1.7 ♦	0.60 J♦
bromomethane	NA	NA	U	U	U	U	U	U	U	U	U
carbon disulfide	20,440	2,044	0.98	0.79	0.38 J	0.64 J	0.41 J	0.33 J	3.4	0.44 J♦	U
carbon tetrachloride	55	55	0.77	0.77 J	0.70 J	0.53 J	0.70 J	0.56 J	0.42 J	0.62 J♦	U
chlorobenzene	NA	NA	U	U	U	0.13 J	U	U	U	0.31 J♦	U
chloroethane	NA	NA	U	U	U	U	U	U	U	U	U
chloroform	36	36	8.3	U	U	0.30 J	0.22 J	U	0.24 J♦	0.22 J	0.33 J♦
chloromethane	818	263	U	1.2	U	0.85 J	1.4	1.7	1.4♦	1.8	1.3 J
cis-1,2-dichloroethene	1,022	102	U	U	U	U	U	U	U	0.36 J	U
cumene	NA	NA	NA	NA	NA	U	U	U	U	U	0.34 J♦
cyclohexane	175,200	17,520	4.5	7.3	8.5	1.4	2.1	5.5	0.79	6.9 J♦	1.3 J♦
ethyl acetate	93,440	9,344	U	1.9	U	U	U	U	NA	U	U
ethylbenzene	743	743	0.66	0.88	1.4	0.75 J	1.1	0.98	1.4	4.1 J♦	2.1
freon 11 (trichlorofluoromethane)	20,440	2,044	2.5	1.8	1.6	1.6	1.4	1.5	1.2	1.6 ♦	1.5 J
freon 113 (freon TF)	876,000	87,600	6.8	1.0 J	U	1.2 J	0.67 J	0.68 J	0.53 J	0.73 J♦	0.74 J
freon 12 (dichlorodifluoromethane)	5,840	584	11.0	3.0	2.6	3.1	2.5	2.5 ♦	0.47 J	3.3 ♦	3.0 J
freon 22	NA	NA	NA	NA	NA	16	14	68 J	3.3	99 J♦	170
heptane	NA	NA	0.67	1.3	U	0.38 J	0.43 J	7.1 J	0.72 J	2.3 ♦	0.69 J♦
hexane	20,440	2,044	U	U	U	0.53 J	0.43 J	8.5 J	0.68 J	2.3 ♦	0.79 J♦
isopropyl alcohol	NA	NA	U	68	31	41	40	44	30	95	48
m,p-xylene (sum of isomers)	2,920	292	2.1	2.4	3.4	1.9 J	2.4	3.2	4.7	11	5.8
methyl butyl ketone	NA	NA	U	U	U	U	1.0 J	U	1.0 J	0.94 J	U
methyl ethyl ketone	146,000	14,600	1.7	U	3.9	1.2 J	4.3 B	3.6	5.9	9.4	7.0 ♦
methyl isobutyl ketone	87,600	8,760	U	U	U	0.44 J	1.9 J	0.39 J	0.89 J	1.0 J	1.2 J♦
methyl methacrylate	NA	NA	NA	NA	NA	U	U	U	U	U	0.74 J
methyl tert-butyl ether	87,600	8760	U	U	U	U	U	U	U	U	0.33 J
methylene chloride	1,740	1,740	U	0.53	U	0.55 J	0.92 J	0.98 J	0.83 J♦	0.89 J	U
naphthalene	NA	NA	U	U	U	U	1.9 J	0.5 J	0.61 J	U	U
n-Butane	NA	NA	NA	NA	NA	3.2	3.3	2.7 ♦	1.4	5.8 J♦	1.6 J
o-xylene	2,920	292	1.1	0.93	0.97	0.79 J	0.82 J	1	1.8	4.5 J♦	2.1
styrene	29,200	2,920	0.78	1.0	0.65	0.44 J	1.8	U	0.44 J	4.8	1.6 J
tert-Butyl alcohol	NA	NA	NA	NA	NA	U	1.3 J	1.7 J	1.7 J	17	5.0 J♦
tetrachloroethylene (pce)	139	102	1.4	U	7.4	U	U	U	0.17 J♦	0.52 J♦	U
tetrahydrofuran	NA	NA	1.6	4.3	U	U	1.1 J	3.3 J♦	U	1.4 J	U
toluene	146,000	14,600	3.2	4.5	6.9	1.4	1.7	3.6 J	4.5	19 J♦	4.8
trichloroethylene (tce)	409	41	360	3.8	3.7	3.0	1.4	0.33 J	0.20 J♦	0.81 J	1.1 J
vinyl chloride	186	186	U	U	U	U	U	U	U	U	U

Notes:
U - Not detected.
J- The analyte was positively identified; the quantitation is an estimation.
NA- Not Available
$\mu g/m^3$: microgram per cubic meter.
Exceedance of the indoor or outdoor initial benchmark.
B - Analytes detected in the trip blank.
♦-Denotes higher nominal value of duplicate sample result.

Table 3-2
Building 776 SSVM Performance Monitoring
Sub-Slab Vapor, Indoor and Outdoor Air Results

Sample Location	Sub-slab Vapor Screening Level ($\mu g/m^3$)	Indoor Air Screening Level ($\mu g/m^3$)	776VMP-3								
Sample ID			**776VMP0301AA**	**776VMP0301AB**	**776VMP0301AC**	**776VMP0301AD**	**776VMP0301AG**	**776VMP0301HA**	**776VMP0301IA**	**776VMP0301JA**	**776VMP0301KA**
Sample Type			**sub-slab**	**sub-slab**	**sub-slab**	**sub-slab**	**sub-slab**	**sub-slab**	**sub-slab**	**sub-slab**	**sub-slab**
Sample Date			**4-May-2011**	**6-Sep-2011**	**21-Oct-2011**	**25-Jan-2012**	**6-Aug-2012**	**21-Feb-2013**	**9-Aug-2013**	**30-Jan-2014**	**17-Jul-2014**
Sample Depth (ft bgs / ags)			**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**
Sample Collection Duration (hr)			**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**
Volatiles (TO-15) in $\mu g/m^3$											
1,1,1-trichloroethane	146,000	14,600	18	U	U	U	U	U	U	U	U
1,1,2,2-tetrachloroethane	NA	NA	U	U	U	U	U	U	U	U	U
1,2,4-trimethylbenzene	175	18	11	2.1	0.50 J	0.61 J	0.52 J	U	0.67 J	U	0.36 J
1,2-dichloroethane	31	31	U	0.62	U	0.27 J	U	0.29 J	U	U	0.27 J
1,3,5-trimethylbenzene	175	18	2.7	0.70 J	U	U	U	U	U	U	0.11 J
1,3-dichlorobenzene	NA	321	U	U	U	U	U	U	U	U	U
1,4-dioxane	NA	NA	U	U	U	U	U	U	U	U	0.79 J
2,2,4-trimethylpentane	NA	NA	U	U	U	U	U	5.7	0.65 J	0.21 J	0.16 J
4-ethyltoluene	NA	NA	5.2	0.65 J	U	U	U	U	U	U	0.12 J
4-isopropyltoluene	NA	NA	NA	NA	NA	0.29 J	0.40 J	U	U	U	0.12 J
acetone	NA	NA	20	30	58	34	50	37	19	37	26
benzene	105	88	2	0.39 J	1.0	0.40 J	0.32 J	0.99	0.37 J	0.81	0.31 J
bromomethane	NA	NA	U	U	U	U	U	U	U	U	0.11 J
carbon disulfide	20,440	2,044	0.95	0.95	0.63	6.0	0.44 J	U	0.21 J	U	2.0
carbon tetrachloride	55	55	0.38	0.83 J	0.70 J	0.51 J	0.60 J	0.53 J	0.41 J	0.49 J	U
chlorobenzene	NA	NA	U	U	U	U	0.22 J	U	U	U	U
chloroethane	NA	NA	U	U	U	U	U	U	U	U	0.093 J
chloroform	36	36	16	U	0.74	0.68 J	0.87 J	1.2	0.18 J	0.29 J	0.44 J
chloromethane	818	263	U	0.97	U	U	1.3	U	1.2	0.73 J	1.3
cis-1,2-dichloroethene	1,022	102	U	U	U	U	U	U	U	0.30 J	U
cumene	NA	NA	NA	NA	NA	U	U	U	U	U	U
cyclohexane	175,200	17,520	5.4	3.5	4.8	1.2	2.8	5	0.71	3.4	1.2
ethyl acetate	93,440	9,344	U	U	U	U	U	U	NA	U	U
ethylbenzene	743	743	1.1	0.66	1.2	0.64 J	0.72 J	0.98	0.56 J	0.47 J	0.40 J
freon 11 (trichlorofluoromethane)	20,440	2,044	4.6	1.7	1.5	1.4	1.4	1.5	1.1	1.3	1.3
freon 113 (freon TF)	876,000	87,600	1.6	0.93 J	U	0.60 J	0.61 J	0.63 J	0.52 J	0.57 J	0.57 J
freon 12 (dichlorodifluoromethane)	5,840	584	21	2.9	2.6	2.9	2.5	2.7	2.3 J	2.9	2.8
freon 22	NA	NA	NA	NA	NA	6.3	15	50 J	9.9	15	50
heptane	NA	NA	U	U	U	0.36 J	0.45 J	5.4	0.36 J	0.74 J	0.34 J
hexane	20,440	2,044	U	U	U	0.72	0.91	7.2	0.40 J	0.89	0.24 J
isopropyl alcohol	NA	NA	U	12	21	28	28	34	24	63	19
m,p-xylene (sum of isomers)	2,920	292	3.8	1.7	2.7	1.7 J	1.7 J	2.6	1.6 J	0.65 J	0.99 J
methyl butyl ketone	NA	NA	U	U	U	U	0.78 J	U	0.25 J	U	U
methyl ethyl ketone	146,000	14,600	2.8	2.0	2.2	2.6	7.0 B	4.6	1.5	6.6	4.0
methyl isobutyl ketone	87,600	8,760	U	U	U	0.83 J	3.1	U	0.43 J	0.44 J	1.1 J
methyl methacrylate	NA	NA	NA	NA	NA	U	U	U	U	U	U
methyl tert-butyl ether	87,600	8760	U	U	U	U	U	U	U	U	U
methylene chloride	1,740	1,740	U	0.95	U	0.50 J	0.99 J	0.79 J	0.43 J	0.66 J	U
naphthalene	NA	NA	U	U	U	0.51 J	1.6 J	U	0.62 J	U	1.2 J
n-Butane	NA	NA	NA	NA	NA	1.7	16	1.8	1.2 J	3.3	0.69 J
o-xylene	2,920	292	1.6	0.66	0.71	0.70 J	0.58 J	U	0.62 J	0.16 J	0.34 J
styrene	29,200	2,920	0.78	0.69	0.56 J	0.26 J	0.79 J	0.14 J	0.31 J	U	0.43 J
tert-Butyl alcohol	NA	NA	NA	NA	NA	U	1.4 J	1 J	0.60 J	9.0 J	U
tetrachloroethylene (pce)	139	102	0.83 J	U	U	U	U	U	0.19 J	U	U
tetrahydrofuran	NA	NA	11	1.8	U	0.81 J	2.5 J	U	U	U	U
toluene	146,000	14,600	4.4	3.1	2.5	1.2	1.8	3.8	1.7	5.2	0.88
trichloroethylene (tce)	409	41	830	10	7.3	13	12	2.4	U	2.6	3.5
vinyl chloride	186	186	U	U	U	U	U	U	U	U	U

Notes:
U - Not detected.
J- The analyte was positively identified; the quantitation is an estimation.
NA- Not Available
$\mu g/m^3$: microgram per cubic meter.
Exceedance of the indoor or outdoor initial benchmark.
B - Analytes detected in the trip blank.
♦-Denotes higher nominal value of duplicate sample result.

Table 3-2
Building 776 SSVM Performance Monitoring
Sub-Slab Vapor, Indoor and Outdoor Air Results

Sample Location	Sub-slab Vapor Screening Level ($\mu g/m^3$)	Indoor Air Screening Level ($\mu g/m^3$)	776-IA								
Sample ID			**776IA1CA**	**776IA1DA**	**776IA1EA**	**776IA1FA**	**776IA1GA**	**776IA1HA**	**776IA1IA**	**776IA1JA**	**776IA1LA**
Sample Type			**Indoor**	**Indoor**	**Indoor**	**Indoor**	**Indoor**	**Indoor**	**Indoor**	**Indoor**	**Indoor**
Sample Date			**4-May-2011**	**6-Sep-2011**	**21-Oct-2011**	**25-Jan-2012**	**6-Aug-2012**	**21-Feb-2013**	**8-Aug-2013**	**30-Jan-2014**	**17-Jul-2014**
Sample Depth (ft bgs / ags)			**5**	**5**	**5**	**5**	**5**	**5**	**5**	**5**	**5**
Sample Collection Duration (hr)			**12**	**12**	**12**	**12**	**12**	**12**	**12**	**12**	**12**
Volatiles (TO-15) in $\mu g/m^3$											
1,1,1-trichloroethane	146,000	14,600	U	U	U	U	U	U	U	U	U
1,1,2,2-tetrachloroethane	NA	NA	U	U	U	U	U	U	U	U	U
1,2,4-trimethylbenzene	175	18	1.2	1.7	0.85	U	0.55 J	U	U	U	0.32 J
1,2-dichloroethane	31	31	U	0.53 J	U	U	U	U	U	U	0.27 J
1,3,5-trimethylbenzene	175	18	U	U	U	U	U	U	U	U	U
1,3-dichlorobenzene	NA	321	U	U	U	U	U	U	U	U	U
1,4-dioxane	NA	NA	U	U	U	U	U	U	U	U	U
2,2,4-trimethylpentane	NA	NA	U	U	U	0.30 J	U	U	0.20 J	U	U
4-ethyltoluene	NA	NA	U	U	U	U	U	U	U	U	0.090 J
4-isopropyltoluene	NA	NA	NA	U	U	U	0.33 J	U	U	U	U
acetone	NA	NA	54	47	30	18	68	28	22	U	20
benzene	105	88	0.49	0.36 J	1.4	0.67 J	0.40 J	1.4	0.29 J	2.4	0.18 J
bromomethane	NA	NA	U	U	U	U	U	U	U	U	U
carbon disulfide	20,440	2,044	0.41 J	0.82	U	U	0.64 J	U	0.21 J	0.26 J	0.82 J
carbon tetrachloride	55	55	0.51	0.77 J	U	0.57 J	0.46 J	0.44 J	0.41 J	0.55 J	0.51 J
chlorobenzene	NA	NA	U	U	U	U	U	U	U	U	0.33 J
chloroethane	NA	NA	U	U	U	U	U	U	U	U	U
chloroform	36	36	U	U	0.55 J	0.32 J	0.25 J	U	U	U	0.29 J
chloromethane	818	263	1.8	1.5	U	1.4 J	1.5	1.8	1.1	5.3	1.3
cis-1,2-dichloroethene	1,022	102	U	U	U	U	U	U	U	U	U
cumene	NA	NA	NA	NA	NA	U	U	U	U	U	U
cyclohexane	175,200	17,520	U	U	U	U	1.2	0.23 J	U	U	U
ethyl acetate	93,440	9,344	5.8	3.3	U	U	U	U	NA	U	U
ethylbenzene	743	743	0.71	0.93	1.3	0.47 J	1.1	0.29 J	0.37 J	0.50 J	0.45 J
freon 11 (trichlorofluoromethane)	20,440	2,044	1.4	1.7	1.3	1.4 J	1.4	1.4	1.3	1.6	1.5
freon 113 (freon TF)	876,000	87,600	U	0.93 J	U	U	0.57 J	0.63 J	0.51 J	0.75 J	U
freon 12 (dichlorodifluoromethane)	5,840	584	3.6	3.1	2.2	3.2 J	2.4 J	2.2 J	2.3 J	3.5	3.1
freon 22	NA	NA	NA	NA	NA	15	14	69	2.4	17	30
heptane	NA	NA	3.2	1.3	U	0.43 J	1.5	0.14 J	0.19 J	1.8	U
hexane	20,440	2,044	2.3	U	U	U	2.0	0.54 J	0.25 J	2.8	U
isopropyl alcohol	NA	NA	50	50	35	100	57	43	23	1.9 J	15
m,p-xylene (sum of isomers)	2,920	292	1.2 J	2.1	2.9	1.0 J	2.5	0.23 J	1.2 J	1.6 J	1.1 J
methyl butyl ketone	NA	NA	U	U	U	U	1.2 J	U	0.53 J	U	U
methyl ethyl ketone	146,000	14,600	3.3	4.1	U	0.84 J	6.5 B	2.1	2.6	U	2.0
methyl isobutyl ketone	87,600	8,760	U	U	U	0.83 J	2.7	1.1 J	1.5 J	U	1.5 J
methyl methacrylate	NA	NA	NA	NA	NA	U	U	U	U	U	U
methyl tert-butyl ether	87,600	8760	U	U	U	U	U	U	U	U	U
methylene chloride	1,740	1,740	U	1.3	U	U	1.7 J	1.2 J	1.8	1.0 J	0.64 J
naphthalene	NA	NA	U	U	U	0.71 J	2.2 J	U	U	U	U
n-Butane	NA	NA	NA	NA	NA	2.4	8.9	2.2	3.5	8.5	0.77 J
o-xylene	2,920	292	0.44 J	0.75	0.88	0.46 J	0.81 J	U	0.66 J	0.47 J	0.36 J
styrene	29,200	2,920	1.1	1.0	0.82	0.33 J	1.9	U	0.16 J	U	0.35 J
tert-Butyl alcohol	NA	NA	NA	NA	NA	0.56 J	5.4 J	U	0.69 J	U	U
tetrachloroethylene (pce)	139	102	U	U	U	U	U	0.38 J	U	U	U
tetrahydrofuran	NA	NA	U	U	U	U	0.90 J	U	U	U	U
toluene	146,000	14,600	4.4	3.2	3.9	1.3	5.3	4.3	0.97	8.7	1.1
trichloroethylene (tce)	409	41	3.6	1.9	0.98	0.41 J	U	U	U	0.26 J	0.95 J
vinyl chloride	186	186	U	U	U	U	U	U	U	U	U

Notes:
U - Not detected.
J- The analyte was positively identified; the quantitation is an estimation.
NA- Not Available
$\mu g/m^3$: microgram per cubic meter.
Exceedance of the indoor or outdoor initial benchmark.
B - Analytes detected in the trip blank.
♦-Denotes higher nominal value of duplicate sample result.

Table 3-2
Building 776 SSVM Performance Monitoring
Sub-Slab Vapor, Indoor and Outdoor Air Results

Sample Location	Sub-slab Vapor Screening Level ($\mu g/m^3$)	Indoor Air Screening Level ($\mu g/m^3$)	774/776-OA								
Sample ID			**776OA1DA**	**776OA1EA**	**774776OA1FA**	**774776OA1GA**	**774776OA1HA**	**774776OA1IA**	**774776OA1JA**	**774776OA1KA**	**774776OA1LA**
Sample Type			**Outdoor**	**Outdoor**	**Outdoor**	**Outdoor**	**Outdoor**	**Outdoor**	**Outdoor**	**Outdoor**	**Outdoor**
Sample Date			**4-May-2011**	**6-Sep-2011**	**21-Oct-2011**	**25-Jan-2012**	**6-Aug-2012**	**21-Feb-2013**	**8-Aug-2013**	**30-Jan-2014**	**17-Jul-2014**
Sample Depth (ft bgs / ags)			**5**	**5**	**5**	**5**	**5**	**5**	**5**	**5**	**5**
Sample Collection Duration (hr)			**12**	**12**	**12**	**12**	**12**	**12**	**12**	**12**	**12**
Volatiles (TO-15) in $\mu g/m^3$											
1,1,1-trichloroethane	146,000	14,600	U	U	U	U	U	U	U	U	U
1,1,2,2-tetrachloroethane	NA	NA	U	U	U	U	U	U	U	U	5.5
1,2,4-trimethylbenzene	175	18	U	1.7	0.60 J	U	1.8	U	0.48 J	U	0.11 J
1,2-dichloroethane	31	31	U	U	U	U	0.49 J	U	U	U	U
1,3,5-trimethylbenzene	175	18	U	U	U	U	0.51 J	U	U	U	U
1,3-dichlorobenzene	NA	321	U	U	U	U	U	U	U	U	U
1,4-dioxane	NA	NA	U	U	U	U	U	U	U	U	U
2,2,4-trimethylpentane	NA	NA	U	U	U	U	0.94 J	U	0.80 J	4.2	U
4-ethyltoluene	NA	NA	U	U	U	U	0.53 J	U	U	U	U
4-isopropyltoluene	NA	NA	U	U	U	U	0.8 J	U	U	U	U
acetone	NA	NA	18	53	6.8	1.9 J	97	15	13	7.0 J	9.1 J
benzene	105	88	U	0.39 J	U	0.63	0.92 J	0.61 J	0.47 J	0.91	0.16 J
bromomethane	NA	NA	U	U	U	U	U	U	U	U	U
carbon disulfide	20,440	2,044	0.6	0.35 J	U	U	2.3 J	U	2	U	0.50 J
carbon tetrachloride	55	55	0.51	0.90 J	U	0.51 J	0.5 J	0.47 J	0.42 J	0.55 J	0.48 J
chlorobenzene	NA	NA	U	U	U	U	U	U	U	U	U
chloroethane	NA	NA	U	U	U	U	U	U	U	U	U
chloroform	36	36	U	U	U	U	U	U	U	U	U
chloromethane	818	263	U	1.1	0.76	1.2	1.4 J	1.5	1.1	1.6	1.0
cis-1,2-dichloroethene	1,022	102	U	0.48 J	U	U	U	U	U	U	U
cumene	NA	NA	NA	NA	NA	U	U	U	U	U	U
cyclohexane	175,200	17,520	U	U	U	U	5.1	U	1.1	U	U
ethyl acetate	93,440	9,344	U	U	U	U	U	U	NA	U	U
ethylbenzene	743	743	U	U	1.1	U	2.1	U	0.37 J	0.24 J	U
freon 11 (trichlorofluoromethane)	20,440	2,044	1.3	1.7	1.3	1.4	1.4 J	1.4	1.1	1.5	1.3
freon 113 (freon TF)	876,000	87,600	U	0.86 J	U	0.56 J	0.61 J	0.64 J	0.57 J	0.68 J	U
freon 12 (dichlorodifluoromethane)	5,840	584	U	2.9	2.5	2.8	3.4 J	2.7	2.2 J	3.2	2.8
freon 22	NA	NA	NA	NA	NA	U	2.1 J	1.1 J	1.2 J	1.2 J	0.94 J
heptane	NA	NA	1.2	U	U	U	3.6	U	0.37 J	1.2	U
hexane	20,440	2,044	0.9	U	U	0.42 J	8.2	0.48 J	0.73	0.96	U
isopropyl alcohol	NA	NA	U	U	1.2	U	14 J	U	5.6 J	U	0.98 J
m,p-xylene (sum of isomers)	2,920	292	U	1.1 J	2.7	0.33 J	6.2	U	0.98 J	0.68 J	0.20 J
methyl butyl ketone	NA	NA	U	U	U	U	0.56 J	1.5	0.33 J	U	U
methyl ethyl ketone	146,000	14,600	U	8.7 J	U	0.42 J	6.7 B	U	15	1.2 J	2.2
methyl isobutyl ketone	87,600	8,760	U	U	U	U	U	U	0.25 J	U	0.11 J
methyl methacrylate	NA	NA	NA	NA	NA	U	U	U	U	U	U
methyl tert-butyl ether	87,600	8760	U	U	U	U	U	U	U	U	U
methylene chloride	1,740	1,740	U	0.92	0.56	0.50 J	2.0 J	0.98 J	1.3 J	0.92 J	U
naphthalene	NA	NA	U	U	U	U	3.1 J	U	U	U	U
n-Butane	NA	NA	NA	NA	NA	1.8	24	1.4	1.3	4.7	U
o-xylene	2,920	292	U	0.44 J	0.97	0.12 J	2.2	U	0.43 J	0.21 J	U
styrene	29,200	2,920	U	U	U	U	1.2 J	U	0.25 J	U	U
tert-Butyl alcohol	NA	NA	NA	NA	NA	U	1.2 J	U	0.73 J	U	U
tetrachloroethylene (pce)	139	102	U	U	U	U	U	U	0.91 J	U	U
tetrahydrofuran	NA	NA	U	1.3	U	U	8.2 J	U	U	U	U
toluene	146,000	14,600	1	5.8	3.5	0.73 J	20	0.39 J	5.6	1.9	0.37 J
trichloroethylene (tce)	409	41	0.98	2.6	0.60 J	U	U	U	U	1.2	0.53 J
vinyl chloride	186	186	U	U	U	U	U	U	U	U	U

Notes:
U - Not detected.
J- The analyte was positively identified; the quantitation is an estimation.
NA- Not Available
$\mu g/m^3$: microgram per cubic meter.
Exceedance of the indoor or outdoor initial benchmark.
B - Analytes detected in the trip blank.
♦-Denotes higher nominal value of duplicate sample result.

Table 3-3
Buildings 774 and 776
SSVM System Performance Monitoring Influent Air Results

Sample Location	**774776- Influent**										
Sample ID	**774776CA01AA**	**774776CA01AB**	**774776CA01AC**	**774776CA01AD**	**774776CA01AE**	**774776CA01AF**	**774776CA01AG**	**774776CA01AH**	**774776CA01IA**	**774776CA01JA**	**774776CA01KA**
Sample Type	**Influent**	**Influent**	**Influent**	**Influent**	**Influent**	**Influent**	**Influent**	**Influent**	**Influent**	**Influent**	**Influent**
Sample Date	**6-Jun-2011**	**23-Aug-2011**	**14-Oct-2011**	**14-Oct-2011**	**25-Oct-2011**	**24-Jan-2012**	**3-Aug-2012**	**15-Feb-2013**	**7-Aug-2013**	**28-Jan-2014**	**16-Jul-2014**
Sample Depth (ft bgs / ags)	**na**	**na**	**na**	**na**	**na**	**na**	**na**	**na**	**na**	**na**	**na**
Sample Collection Duration (hr)	**quick grab**	**quick grab**	**quick grab**	**quick grab**	**quick grab**	**quick grab**	**quick grab**	**quick grab**	**quick grab**	**quick grab**	**quick grab**
Volatiles (TO-15) in µg/m^3											
1,1,1-trichloroethane	6.6	4.0	6.9	6.1	6.5	5.0 J	2.9	0.91 J	1.8	U	U
1,2,4-trimethylbenzene	9.5	3.1	U	U	1.7	U	0.69 J	U	0.56 J	U	U
1,3,5-trimethylbenzene	4.7	2.2	U	U	0.55 J	U	U	U	U	U	U
1,3-dichlorobenzene	U	U	U	U	U	U	0.81 J	U	U	U	U
2,2,4-trimethylpentane	U	U	U	U	U	U	U	U	0.23 J	U	U
4-ethyltoluene	6.9	1.0	U	U	U	U	U	U	U	U	U
4-isopropyltoluene	NA	NA	NA	NA	NA	U	0.34 J	U	0.35 J	U	U
acetone	50	30	300	440	27	16 J	23 B	28	35	19 J	63
benzene	0.45 J	4.1	0.42 J	0.7	0.97	1.8 J	0.30 J	0.25 J	0.33 J	3.9	0.65 J
carbon disulfide	0.73	U	U	U	U	U	0.46 J	0.21 J	U	U	U
carbon tetrachloride	U	U	U	U	0.96	U	0.54 J	1.8	0.51 J	U	1.5 J
chloroform	15	4.3	3.6	5.0	4.6	3.6 J	4.9	2.2	5.7	0.93 J	4.4 J
chloromethane	U	U	U	U	U	U	0.71 J	1.5	0.61 J	2.0 J	1.7 J
cis-1,2-dichloroethene	1.80	U	U	U	U	U	U	U	U	U	U
cumene	NA	NA	NA	NA	NA	U	U	U	U	U	0.98 J
cyclohexane	U	U	U	U	U	U	0.36 J	0.38 J	0.14 J	U	U
ethylbenzene	0.62 J	0.93	U	U	0.79	U	0.38 J	U	0.47 J	U	0.32 J
freon 11 (trichlorofluoromethane)	50	130	83	59	49	40	61	29	35	14	24
freon 113 (freon TF)	U	1.9	1.1 J	1.0 J	U	U	0.82 J	0.5 J	0.65 J	U	U
freon 12 (dichlorodifluoromethane)	3.7	16	6.1	6.1	6.4	11 J	7.1	4.7	6.5	4.4 J	6.9 J
freon 22	NA	NA	NA	NA	NA	320	94	33	45	42	510
heptane	0.83	12	U	U	0.87	1.9 J	0.37 J	U	0.30 J	2.5 J	U
hexane	U	U	U	U	U	U	0.66 J	0.27 J	0.27 J	U	U
isopropyl alcohol	U	U	U	U	U	U	7.9 J	2.1 J	13	U	10 J
m,p-xylene (sum of isomers)	1.3 J	3.3	U	U	2.4	U	0.99 J	U	1.4 J	U	0.50 J
methyl ethyl ketone	14	4.4	300	400	15	4.8 J	2.5 B	0.45 J	5	U	4.7 J
methyl isobutyl ketone	U	U	U	U	U	U	0.28 J	U	0.46 J	U	U
methylene chloride	2.2	U	U	U	U	U	0.64 J	1 J	0.41 J	3.8 J	U
naphthalene	U	U	U	U	U	U	1.9 J	U	U	U	U
n-Butane	NA	NA	NA	NA	NA	2.9 J	1.7	3.4	1.1 J	7.3	U
o-xylene	0.84	1.8	U	U	1.0	U	0.42 J	U	0.53 J	U	U
styrene	U	U	U	U	U	U	0.15 J	U	0.14 J	U	U
tert-Butyl alcohol	NA	NA	NA	NA	NA	U	U	U	1.9 J	U	U
tetrachloroethylene (pce)	3.4	2.4	2.3	12	3.5	U	1.5	U	1.1 J	U	1.6 J
tetrahydrofuran	120	6.0	600	770	5.2	U	1.4 J	1.8 J	0.24 U	U	U
toluene	1.8	2.2	0.96	1.4	2.2	0.83 J	1.2	0.17 J	1.1	0.67 J	0.72 J
trichloroethylene (tce)	510	240	670	1,200	650	300	190	20	120	32	97
vinyl chloride	U	U	U	U	U	U	U	U	U	U	U

Notes:
U - Not detected.
J- The analyte was positively identified; the quantitation is an estimation.
NA- Not Available
µg/m^3: microgram per cubic meter
B - Analytes detected in the trip blank.

Table 3-4
Buildings 785/786 SSVM System Performance Monitoring
Sub-Slab Vapor, Indoor and Outdoor Air Results

Sample Location	Sub-slab Vapor Screening Level (µg/m³)	Indoor Air Screening Level (µg/m³)	785VMP-2									
Sample ID			785VMP0202AD	785VMP0202AE	785VMP0202AF	785VMP0202AG	785VMP0202AH	785VMP0202IA	785VMP0202JA	785VMP0202KA	785VMP0202LA	785VMP0202MA
Sample Type			sub-slab	sub-slab	sub-slab	sub-slab	sub-slab	sub-slab	sub-slab	sub-slab	sub-slab	sub-slab
Sample Date			18-Mar-2011	24-Aug-2011	24-Oct-2011	31-Jan-2012	8-Aug-2012	6-Mar-2013	9-Aug-2013	3-Oct-2013	29-Jan-2014	18-Jul-2014
Sample Depth (ft bgs / ags)			2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
Sample Collection Duration (hr)			0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Volatiles (TO-15) in µg/m³												
1,1,1-trichloroethane	146,000	14,600	U	U	U	0.57 J	U	U	U	0.43 J	U	U
1,2,4-trimethylbenzene	175	18	1.5	1.4	U	U	3.7	1.6	U	U	U	1.4 J
1,2-dichloroethane	31	31	U	U	U	U	U	U	U	U	U	U
1,3,5-trimethylbenzene	175	18	U	U	U	U	1.0	0.46 J	U	U	U	0.38 J
1,3-butadiene	NA	NA	U	U	U	U	U	U	U	U	U	U
1,3-dichlorobenzene	3,212	321	U	U	U	U	3.0	37	U	U	U	3.1
1,4-dioxane	NA	NA	U	U	U	U	U	U	U	0.36 J	U	6.6 J♦
2,2,4-trimethylpentane	NA	NA	U	U	1.2	U	1.5	5.8	0.17 J	U	U	U
4-ethyltoluene	NA	NA	0.65 J	U	U	U	1.2	0.65 J	U	U	U	0.30 J
4-isopropyltoluene	NA	NA	NA	NA	NA	U	0.33 J	U	U	U	U	U
acetone	NA	NA	10	17	3.2	0.76 J	12 JB	4.5 J	15	8.7 J	3.2 J	28
benzene	105	88	2.9	0.65	2.2	U	U	U	0.64	0.16 J	0.72	0.68 J
bromodichloromethane	NA	NA	U	U	U	U	U	U	U	U	U	U
carbon disulfide	20,440	2,044	0.82	0.63	U	U	0.86 J	U	0.70 J	0.41 J	0.43 J	4.7
carbon tetrachloride	55	55	U	U	0.70 J	0.49 J	0.46 J	0.44 J	0.46 J	U	0.33 J	0.86 J
chlorobenzene	NA	NA	U	U	U	U	U	U	U	U	U	U
chloroethane	NA	NA	U	U	U	U	U	U	U	U	U	U
chloroform	36	36	1.5	U	U	U	U	U	0.16 J	0.55 J	0.24 J	26 J
chloromethane	818	263	1.4	1.1	U	3.5	37	0.21 J	8.8	3.7	5.1	12 J
cis-1,2-dichloroethene	1,022	102	U	U	U	U	U	U	U	0.5 J	0.24 J	2.0
cumene	NA	NA	NA	NA	NA	U	U	U	U	U	U	0.19 J
cyclohexane	175,200	17,520	1.3	0.94	1.9	U	U	6.8	U	U	U	U
ethylbenzene	743	743	1.5	U	0.75	U	1.2	1.8	0.49 J	0.14 J	0.27 J	0.76 J
freon 11 (trichlorofluoromethane)	20,440	2,044	1	1.8	1.5	1.4	1.3	1.3	1.2	1.1	1.1 J	2.7
freon 113 (freon TF)	876,000	87,600	U	0.78 J	U	0.58 J	0.59 J	0.61 J	0.59 J	0.79 J	0.88 J	2.6 J
freon 12 (dichlorodifluoromethane)	5,840	584	2.8	3.1	2.6	2.9	2.4 J	2.3 J	2.5	2.3 J	3.1	4.6 J
freon 22	NA	NA	NA	NA	NA	U	U	0.81 J	0.90 J	0.83 J	U	2.0 J
heptane	NA	NA	2.1	U	1.8	U	3.8	3.4	0.22 J	U	U	U
hexane	20,440	2,044	6.9	U	6.1	U	1.3	9.8	0.18 J	0.2 J	U	7.5
isopropyl alcohol	NA	NA	U	U	U	U	13	470	2.4 J	U	U	29
m,p-xylene (sum of isomers)	2,920	292	4.7	0.93 J	2.3	0.21 J	4.5	6.8	0.93 J	0.35 J	0.63 J	1.6 J
methyl butyl ketone	NA	NA	U	U	U	U	0.47 J	U	1.0 J	0.25 J	U	1.2 J♦
methyl ethyl ketone	146,000	14,600	3	4.1	U	U	3.3 B	6.3	7.1	U	U	10
methyl isobutyl ketone	87,600	8,760	U	U	U	U	1.0 J	U	1.2 J	1.5	U	1.2 J
methyl tert-butyl ether	87,600	8760	U	U	U	U	U	U	U	U	U	0.38 J
methylene chloride	1,740	1,740	1.4	U	U	U	2.4	U	0.40 J	0.41 J	U	0.45 J♦
naphthalene	NA	NA	U	U	U	U	2.2 J	U	U	U	U	U
n-Butane	NA	NA	NA	NA	NA	0.64 J	6.3	0.52 J	1.3	1 J	1.6	2.9
n-Propylbenzene	NA	NA	NA	NA	NA	U	0.68 J	U	U	U	U	U
o-xylene	2,920	292	1.3	U	0.71	U	1.6	2.4	0.27 J	0.14 J	0.23 J	0.68 J
styrene	29,200	2,920	U	U	U	U	0.46 J	0.37 J	U	U	U	0.29 J
tert-Butyl alcohol	NA	NA	NA	NA	NA	U	1.8 J	U	2.7 J	1.6 J	U	8.9 J
tetrachloroethylene (pce)	139	102	U	U	U	U	0.73 J	0.58 J	0.51 J	U	U	U
tetrahydrofuran	NA	NA	8.2	11	U	4.6 J	87	U	68	46	13 J	95 J
toluene	146,000	14,600	15	3.3	6.2	0.36 JB	3.8	7.5	2.3	0.47 J	1.1	1.9
trichloroethylene (tce)	409	41	U	19	8.9	1.0 J	9.1	0.68 J	7.2	37	6.1	400
vinyl chloride	186	186	U	U	U	U	U	U	U	U	U	U

Notes:
U - Not detected.

J- The analyte was positively identified; the quantitation is an estimation.
NA- Not Available
µg/m³: microgram per cubic meter.
Exceedance of the screening level.
B - Analytes detected in the trip blank.
♦-Denotes higher nominal value of duplicate sample result.

Table 3-4
Buildings 785/786 SSVM System Performance Monitoring
Sub-Slab Vapor, Indoor and Outdoor Air Results

Sample Location	Sub-slab Vapor Screening Level (µg/m³)	Indoor Air Screening Level (µg/m³)	785VMP-4									
Sample ID			785VMP0401AA	785VMP0401AB	785VMP0401AC	785VMP0401AD	785VMP0401AG	785VMP0401HA	785VMP0401IA	785VMP0401JA	785VMP0401KA	785VMP0401LA
Sample Type			sub-slab	sub-slab	sub-slab	sub-slab	sub-slab	sub-slab	sub-slab	sub-slab	sub-slab	sub-slab
Sample Date			18-Mar-2011	24-Aug-2011	24-Oct-2011	31-Jan-2012	8-Aug-2012	6-Mar-2013	9-Aug-2013	3-Oct-2013	28-Feb-2014	18-Jul-2014
Sample Depth (ft bgs / ags)			1	1	1	1	1	1	1	1	1	1
Sample Collection Duration (hr)			0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Volatiles (TO-15) in µg/m³												
1,1,1-trichloroethane	146,000	14,600	1.7	0.72 J	U	U	0.40 J	U	0.28 J	0.93 J	0.56 J	U
1,2,4-trimethylbenzene	175	18	0.95	6.7	1.8	0.45 J	15	1.4	1.4	1.1 J	0.20 J	U
1,2-dichloroethane	31	31	U	U	U	U	U	U	U	U	U	U
1,3,5-trimethylbenzene	175	18	U	2.1	0.50 J	U	3.9	0.49 J	0.39 J	U	0.072 J	U
1,3-butadiene	NA	NA	U	U	U	U	U	U	U	U	U	U
1,3-dichlorobenzene	3,212	321	U	U	U	U	U	30	1.8	U	U	U
1,4-dioxane	NA	NA	U	U	U	U	U	U	U	U	U	U
2,2,4-trimethylpentane	NA	NA	U	1.5	3.9	0.58 J	U	5.5	0.71 J	U	U	U
4-ethyltoluene	NA	NA	U	2.7	0.85	U	3.6	0.49 J	0.31 J	U	U	U
4-isopropyltoluene	NA	NA	NA	NA	NA	U	1.6	U	U	1.1 J	U	U
acetone	NA	NA	15	16	U	4.9 J	44	8.1 J	73	120	7.2 J	7900
benzene	105	88	4.9	4.2	8.4	0.64	0.57 J	0.61 J	0.58 J	0.89 J	0.58 J	U
bromodichloromethane	NA	NA	2.6	U	U	U	U	U	U	U	U	U
carbon disulfide	20,440	2,044	4.8	13	9.2	1.1 J	12	0.48 J	2.7	8.3	2.0	U
carbon tetrachloride	55	55	U	U	U	0.51 J	0.47 J	0.43 J	0.39 J	U	U	U
chlorobenzene	NA	NA	U	0.66 J	U	U	U	U	U	U	U	U
chloroethane	NA	NA	U	U	U	U	U	U	U	U	U	U
chloroform	36	36	91	0.79	U	U	0.47 J	U	0.33 J	0.74 J	2.5	U
chloromethane	818	263	U	U	U	U	0.30 J	0.15 J	0.29 J	0.43 J	U	U
cis-1,2-dichloroethene	1,022	102	2.3	U	U	U	U	U	U	0.75 J	U	U
cumene	NA	NA	NA	NA	NA	U	U	U	U	1.5 J	U	U
cyclohexane	175,200	17,520	6.2	9.4	8.0	0.34 JB	2.1	6.8	1.5	U	U	U
ethylbenzene	743	743	1.1	6.1	4.9	0.58 J	3.9	3.1	1.9	1.8	0.39 J	U
freon 11 (trichlorofluoromethane)	20,440	2,044	0.86	1.7	1.3	1.4	1.4	1.3	1.1	1.3 J	0.83 J	U
freon 113 (freon TF)	876,000	87,600	1.1 J	0.86 J	U	0.58 J	0.69 J	0.64 J	0.60 J	0.91 J	0.97 J	U
freon 12 (dichlorodifluoromethane)	5,840	584	2.9	2.8	2.5	2.9	2.6	2.6	2.3 J	U	2.5	U
freon 22	NA	NA	NA	NA	NA	U	U	0.77 J	0.88 J	U	0.75 J	U
heptane	NA	NA	3.6	5.3	8.2	0.45 JB	1.1	3.6	0.69 J	U	U	U
hexane	20,440	2,044	8.2	7.9	13	0.91 B	1.4	9.3	0.57 J	6	0.69	U
isopropyl alcohol	NA	NA	U	U	0.62	2.3 J	15	190	5.5 J	10 J	1.3 J	U
m,p-xylene (sum of isomers)	2,920	292	2.7	14	14	1.1 J	3.4	8.7	2.8	1.9 J	0.73 J	U
methyl butyl ketone	NA	NA	U	U	U	U	0.94 J	U	0.61 J	1.2 J	U	U
methyl ethyl ketone	146,000	14,600	2.3	2.7	U	0.82 J	10 B	4.4	14	19	U	2300
methyl isobutyl ketone	87,600	8,760	U	U	U	U	1.3 J	U	1.7 J	U	2.9	U
methyl tert-butyl ether	87,600	8760	U	U	U	U	U	U	U	U	U	U
methylene chloride	1,740	1,740	0.95	U	U	0.43 J	0.82 J	0.52 J	0.95 J	1.7 J	U	U
naphthalene	NA	NA	U	U	U	U	0.68 J	U	0.72 J	U	U	U
n-Butane	NA	NA	NA	NA	NA	4.6	3.8	0.44 J	0.91 J	1.6 J	U	U
n-Propylbenzene	NA	NA	NA	NA	NA	U	1.5	U	0.31 J	U	U	U
o-xylene	2,920	292	0.84	5.1	2.8	0.46 J	1.7	3.4	1.1	0.8 J	0.41 J	U
styrene	29,200	2,920	U	U	U	U	0.30 J	0.35 J	0.34 J	0.33 J	U	U
tert-Butyl alcohol	NA	NA	NA	NA	NA	U	1.8 J	U	1.2 J	2.2 J	U	U
tetrachloroethylene (pce)	139	102	U	U	1.0	U	1.2 J	0.62 J	0.34 J	0.4 J	U	U
tetrahydrofuran	NA	NA	U	U	U	U	3.4 J	U	U	0.95 J	U	20,000
toluene	146,000	14,600	26	23	42	2.2 B	5.9	8.1	3.3	4.2	1.2	U
trichloroethylene (tce)	409	41	720	88	33	3.5	39	3	17	54	27	170 J
vinyl chloride	186	186	U	U	U	U	U	U	U	U	U	U

Notes:
U - Not detected.

J- The analyte was positively identified; the quantitation is an estimation.
NA- Not Available
µg/m³: microgram per cubic meter.
Exceedance of the screening level.
B - Analytes detected in the trip blank.
♦-Denotes higher nominal value of duplicate sample result.

Table 3-4
Buildings 785/786 SSVM System Performance Monitoring
Sub-Slab Vapor, Indoor and Outdoor Air Results

Sample Location	Sub-slab Vapor Screening Level (µg/m³)	Indoor Air Screening Level (µg/m³)	785VMP-5								
Sample ID			785VMP0501AA	785VMP0501AB	785VMP0501AC	785VMP0501AD	785VMP0501FA	785VMP0501GA	785VMP0501HA	785VMP0501IA	785VMP0501JA
Sample Type			sub-slab	sub-slab	sub-slab	sub-slab	sub-slab	sub-slab	sub-slab	sub-slab	sub-slab
Sample Date			25-Aug-2011	24-Oct-2011	31-Jan-2012	8-Aug-2012	6-Mar-2013	9-Aug-2013	3-Oct-2013	29-Jan-2014	18-Jul-2014
Sample Depth (ft bgs / ags)			1	1	1	1	1	1	1	1	1
Sample Collection Duration (hr)			0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Volatiles (TO-15) in µg/m³											
1,1,1-trichloroethane	146,000	14,600	4.8	1.8	0.53 J	0.74 J	U	0.54 J	1.4	U	U
1,2,4-trimethylbenzene	175	18	2.2	1.4	U	0.69 J	0.71 J	U	U	0.55 J	U
1,2-dichloroethane	31	31	U	U	U	U	U	0.28 J	U	U	U
1,3,5-trimethylbenzene	175	18	0.85	U	U	U	0.31 J	U	U	U	U
1,3-butadiene	NA	NA	U	U	U	U	U	U	U	U	U
1,3-dichlorobenzene	3,212	321	U	U	U	U	17	U	U	U	U
1,4-dioxane	NA	NA	U	U	U	U	U	U	0.48 J	U	U
2,2,4-trimethylpentane	NA	NA	U	1.4	1.3	0.92	6.5	0.96	U	U	U
4-ethyltoluene	NA	NA	0.50 J	U	U	U	0.34 J	U	U	U	U
4-isopropyltoluene	NA	NA	NA	NA	U	0.64 J	U	U	U	U	U
acetone	NA	NA	21	4.3	2.3 J	20 B	6.8 J	8.2 J	2.8 J	10 J	2600
benzene	105	88	0.39 J	2.6	0.64	0.50 J	0.69	0.38 J	0.27 J	0.62	U
bromodichloromethane	NA	NA	U	U	U	U	U	U	U	U	U
carbon disulfide	20,440	2,044	0.38 J	U	U	2.7	U	U	U	U	U
carbon tetrachloride	55	55	U	U	0.48 J	0.45 J	0.48 J	0.31 J	0.38 J	0.39 J	U
chlorobenzene	NA	NA	U	U	U	U	U	U	U	U	U
chloroethane	NA	NA	U	U	U	U	U	U	U	U	U
chloroform	36	36	2.8	0.74	U	U	U	0.19 J	0.21 J	U	46 J
chloromethane	818	263	U	U	U	0.97 J	0.85 J	0.48 J	0.42 J	1.4	U
cis-1,2-dichloroethene	1,022	102	2.1	U	U	U	U	0.41 J	U	U	U
cumene	NA	NA	NA	NA	0.41 J	U	U	U	U	U	U
cyclohexane	175,200	17,520	U	2.9	1.1 B	0.76	6.7	0.74	U	1.9	U
ethylbenzene	743	743	2.3	1.6	1.8	3.8	2.1	U	0.7 J	0.55 J	U
freon 11 (trichlorofluoromethane)	20,440	2,044	2.2	2.3	1.4	1.5	1.4	1.5	1.4	1.4	U
freon 113 (freon TF)	876,000	87,600	0.86 J	U	U	0.58 J	0.62 J	0.50 J	0.58 J	0.60 J	U
freon 12 (dichlorodifluoromethane)	5,840	584	2.9	2.5	2.8	2.4 J	2.6	2.2 J	2.4 J	3.2	U
freon 22	NA	NA	NA	NA	U	U	0.95 J	0.90 J	U	1.2 J	U
heptane	NA	NA	U	1.9	0.70 JB	1.4	3.4	0.92	U	0.56 J	U
hexane	20,440	2,044	U	U	3.5 B	1.3	9.9	1.4	0.18 J	0.83	U
isopropyl alcohol	NA	NA	8.2	U	U	2.1 J	290	15	U	22	U
m,p-xylene (sum of isomers)	2,920	292	8.2	5.8	3.6	14	7.5	U	2 J	1.5 J	U
methyl butyl ketone	NA	NA	U	U	U	0.86 J	U	U	U	U	U
methyl ethyl ketone	146,000	14,600	2	U	0.37 J	4.3 B	3.9	0.49 J	U	1.5	1200
methyl isobutyl ketone	87,600	8,760	U	U	U	0.49 J	U	U	0.48 J	U	U
methyl tert-butyl ether	87,600	8760	U	U	U	U	U	U	U	U	U
methylene chloride	1,740	1,740	3.7	U	U	0.59 J	0.6 J	0.43 J	1.7 J	0.72 J	U
naphthalene	NA	NA	U	U	U	0.46 J	U	U	U	U	U
n-Butane	NA	NA	NA	NA	4.8	4.4	1.5	0.57 J	0.64 J	3.0	U
n-Propylbenzene	NA	NA	NA	NA	U	U	U	U	U	U	U
o-xylene	2,920	292	3	1.5	1.7	4.7	2.4	U	0.63 J	0.58 J	U
styrene	29,200	2,920	U	U	U	0.64 J	U	U	U	0.58 J	U
tert-Butyl alcohol	NA	NA	NA	NA	U	0.96 J	U	0.55 J	U	2.5 J	U
tetrachloroethylene (pce)	139	102	2.2	U	U	U	U	U	0.3 J	U	U
tetrahydrofuran	NA	NA	U	U	0.21 J	0.41 J	U	U	U	U	6900
toluene	146,000	14,600	2.1	7.4	1.6 B	3.7	4.9	1.2	0.69 J	3.2	U
trichloroethylene (tce)	409	41	610	140	18	20	1.1	7	73	1.2	510
vinyl chloride	186	186	U	U	U	U	U	U	U	U	U

Notes:
U - Not detected.

J- The analyte was positively identified; the quantitation is an estimation.
NA- Not Available
µg/m³: microgram per cubic meter.
Exceedance of the screening level.
B - Analytes detected in the trip blank.
♦-Denotes higher nominal value of duplicate sample result.

Table 3-4
Buildings 785/786 SSVM System Performance Monitoring
Sub-Slab Vapor, Indoor and Outdoor Air Results

Sample Location	Sub-slab Vapor Screening Level (µg/m³)	Indoor Air Screening Level (µg/m³)	785-IA								
Sample ID			785IA05	785IA06	785IA07	785IA08	785IA09	785IA10	785IA11	785IA12	785IA13
Sample Type			Indoor	Indoor	Indoor	Indoor	Indoor	Indoor	Indoor	Indoor	Indoor
Sample Date			24-Aug-2011	24-Oct-2011	27-Jan-2012	8-Aug-2012	6-Mar-2013	9-Aug-2013	3-Oct-2013	28-Jan-2014	17-Jul-2014
Sample Depth (ft bgs / ags)			5	5	5	5	5	5	5	5	5
Sample Collection Duration (hr)			12	12	12	12	12	12	12	12	12
Volatiles (TO-15) in µg/m³											
1,1,1-trichloroethane	146,000	14,600	U	U	U	U	U	U	U	U	U
1,2,4-trimethylbenzene	175	18	1.7	1.4	U	0.37 J	U	0.49 J	U	U	0.42 J
1,2-dichloroethane	31	31	U	U	U	U	U	U	U	U	U
1,3,5-trimethylbenzene	175	18	U	U	U	U	U	U	U	U	0.15 J
1,3-butadiene	NA	NA	U	U	U	U	0.32 J	U	U	U	U
1,3-dichlorobenzene	3,212	321	U	U	U	U	U	U	U	U	U
1,4-dioxane	NA	NA	U	U	U	U	U	U	U	U	11 J
2,2,4-trimethylpentane	NA	NA	U	0.52 J	0.29 J	U	U	U	U	U	U
4-ethyltoluene	NA	NA	U	U	U	U	U	U	U	U	0.12 J
4-isopropyltoluene	NA	NA	NA	NA	U	U	U	U	U	U	0.56 J
acetone	NA	NA	35	11	2.6 J	16 B	9.3 J	9.7 J	6.6 J	U	19
benzene	105	88	U	1.3	0.58 J	0.36 J	U	U	0.31 J	0.48 J	0.30 J
bromodichloromethane	NA	NA	U	U	U	U	U	U	U	U	U
carbon disulfide	20,440	2,044	U	U	U	U	U	U	U	0.76 J	6.8
carbon tetrachloride	55	55	U	U	0.53 J	0.44 J	U	0.48 J	0.43 J	0.49 J	0.51 J
chlorobenzene	NA	NA	U	U	U	U	U	U	U	U	U
chloroethane	NA	NA	U	U	U		U	U	0.3 J	U	U
chloroform	36	36	U	4.7	U	U	U	U	0.39 J	U	U
chloromethane	818	263	U	U	1.2	1.1	1.2	1	1.9	1.6	1.5
cis-1,2-dichloroethene	1,022	102	U	U	U	U	U	U	U	U	0.84
cumene	NA	NA	NA	NA	U	U	U	U	U	U	U
cyclohexane	175,200	17,520	U	U	0.34 JB	0.15 J	0.74	U	U	U	U
ethylbenzene	743	743	U	0.75	0.13 J	0.22 J	U	0.19 J	0.13 J	U	0.69 J
freon 11 (trichlorofluoromethane)	20,440	2,044	1.7	1.3	1.4	1.3	1.4	1.3	1.2	1.4	1.5
freon 113 (freon TF)	876,000	87,600	U	U	0.54 J	0.58 J	0.65 J	0.59 J	0.56 J	0.63 J	0.69 J
freon 12 (dichlorodifluoromethane)	5,840	584	2.8	2.3	2.8	2.3 J	2.6	2.3 J	2..5	3.0	2.6
freon 22	NA	NA	NA	NA	U	U	1 J	1.0 J	U	1.1 J	1.1 J
heptane	NA	NA	U	0.71	0.37 JB	0.70 J	U	U	U	U	U
hexane	20,440	2,044	U	2.3	2.0 B	0.75	U	U	0.28 J	U	0.29 J
isopropyl alcohol	NA	NA	24	U	U	0.84 J	U	U	U	U	2.1 J
m,p-xylene (sum of isomers)	2,920	292	1.0 J	2.4	0.29 J	0.65 J	U	0.66 J	0.33 J	U	2.1 J
methyl butyl ketone	NA	NA	U	U	U	U	U	U	U	U	U
methyl ethyl ketone	146,000	14,600	3.2	U	0.30 J	2.3 B	1.1 J	1.7	1.1 J	1.0 J	3.9
methyl isobutyl ketone	87,600	8,760	U	U	U	0.38 J	U	0.37 J	U	U	0.37 J
methyl tert-butyl ether	87,600	8760	U	U	U	U	U	U	U	U	U
methylene chloride	1,740	1,740	0.85	U	U	0.51 J	U	U	0.63 J	0.69 J	U
naphthalene	NA	NA	U	U	U	U	U	U	U	U	U
n-Butane	NA	NA	NA	NA	2.0	2.5	1.3	0.70 J	1.1 J	1.4	U
n-Propylbenzene	NA	NA	NA	NA	U	U	U	U	U	U	U
o-xylene	2,920	292	U	0.75	0.11 J	0.22 J	U	0.25 JM	0.14 J	U	0.40 J
styrene	29,200	2,920	U	U	U	U	U	U	U	U	U
tert-Butyl alcohol	NA	NA	NA	NA	U	U	U	U	U	U	U
tetrachloroethylene (pce)	139	102	U	21	U	U	U	U	U	U	U
tetrahydrofuran	NA	NA	U	U	U	U	U	U	U	U	U
toluene	146,000	14,600	4.2	4.0	1.4 B	1.3	U	0.84	0.75	0.33 J	1.3
trichloroethylene (tce)	409	41	1.1	U	U	U	U	U	U	U	0.88 J
vinyl chloride	186	186	U	U	U	U	U	U	U	U	U

Notes:
U - Not detected.

J- The analyte was positively identified; the quantitation is an estimation.
NA- Not Available
µg/m³: microgram per cubic meter.
Exceedance of the screening level.
B - Analytes detected in the trip blank.
♦-Denotes higher nominal value of duplicate sample result.

Table 3-4
Buildings 785/786 SSVM System Performance Monitoring
Sub-Slab Vapor, Indoor and Outdoor Air Results

Sample Location	Sub-slab Vapor Screening Level (µg/m³)	Indoor Air Screening Level (µg/m³)	785/786-OA								
Sample ID			785OA01	785786OA02	785786OA03	785786OA04	785786OA05	785786OA06	785786OA07	785786OA08	785786OA09
Sample Type			Outdoor	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor
Sample Date			24-Aug-2011	24-Oct-2011	27-Jan-2012	8-Aug-2012	6-Mar-2013	9-Aug-2013	3-Oct-2013	28-Jan-2014	17-Jul-2014
Sample Depth (ft bgs / ags)			5	5	5	5	5	5	5	5	5
Sample Collection Duration (hr)			12	12	12	12	12	12	12	12	12
Volatiles (TO-15) in µg/m³											
1,1,1-trichloroethane	146,000	14,600	U	U	U	U	U	U	U	U	U
1,2,4-trimethylbenzene	175	18	1.3	2.6	U	0.73 J	U	U	U	U	0.073 J
1,2-dichloroethane	31	31	U	U	U	2.6	U	U	U	U	U
1,3,5-trimethylbenzene	175	18	U	U	U	U	U	U	U	U	U
1,3-butadiene	NA	NA	U	U	U	U	U	U	U	U	U
1,3-dichlorobenzene	3,212	321	U	U	U	U	U	U	U	U	U
1,4-dioxane	NA	NA	U	U	U	U	U	U	U	U	U
2,2,4-trimethylpentane	NA	NA	U	0.76	0.34 J	0.56 J	U	0.23 J	U	U	U
4-ethyltoluene	NA	NA	U	0.65 J	U	U	U	U	U	U	U
4-isopropyltoluene	NA	NA	NA	NA	U	U	U	U	U	U	U
acetone	NA	NA	39	12	19	150	4 J	22	8.5 J	3.3 J	6.2 J
benzene	105	88	0.39 J	1.8	0.56 J	0.80 J	0.78	0.32 J	U	0.53 J	0.14 J
bromodichloromethane	NA	NA	U	U	U	U	U	U	U	U	U
carbon disulfide	20,440	2,044	U	U	U	0.78 J	U	0.57 J	U	U	0.59 J
carbon tetrachloride	55	55	U	U	0.52 J	U	0.54 J	0.47 J	0.4 J	0.56 J	0.30 J
chlorobenzene	NA	NA	U	U	U	U	U	U	U	U	U
chloroethane	NA	NA	U	U	U	U	U	U	U	U	U
chloroform	36	36	U	U	U	U	U	U	U	U	U
chloromethane	818	263	U	U	1.2	1.2 J	1.4	1.0 J	1.1 J	1.7	1.2
cis-1,2-dichloroethene	1,022	102	U	U	U	U	U	U	U	U	U
cumene	NA	NA	NA	NA	U	U	U	U	U	U	U
cyclohexane	175,200	17,520	0.77	U	0.63 JB	1.5	U	U	U	U	U
ethylbenzene	743	743	U	1.3	U	1.4 J	U	0.13 J	U	U	U
freon 11 (trichlorofluoromethane)	20,440	2,044	1.7	1.4	1.4	1.4 J	1.4	1.2	1.2	1.5	1.2
freon 113 (freon TF)	876,000	87,600	U	U	0.59 J	0.70 J	U	0.55 J	0.54 J	0.70 J	0.54 J
freon 12 (dichlorodifluoromethane)	5,840	584	2.9	2.2	2.8	3.2 J	2.7	2.1 J	2.3 J	3.3	2.5
freon 22	NA	NA	NA	NA	U	U	0.92 J	0.99 J	U	1.3 J	0.84 J
heptane	NA	NA	U	1.2	0.55 JB	2.7	U	0.14 J	0.89 J	U	U
hexane	20,440	2,044	U	3.8	2.2 B	4.4	U	0.25 J	0.19 J	0.22 J	U
isopropyl alcohol	NA	NA	15	2.2	1.3 J	11 J	U	1.6 J	U	U	1.1 J
m,p-xylene (sum of isomers)	2,920	292	0.75 J	4.3	0.30 J	3.8 J	U	0.37 J	U	U	0.14 J
methyl butyl ketone	NA	NA	U	U	U	1.1 J	U	0.37 J	2.2	U	U
methyl ethyl ketone	146,000	14,600	3.4	U	0.92 J	8.6 B	U	3.3	U	U	1.3 J
methyl isobutyl ketone	87,600	8,760	U	U	U	U	U	0.17 J	0.28 J	U	U
methyl tert-butyl ether	87,600	8760	U	U	U	U	U	U	U	U	U
methylene chloride	1,740	1,740	1.1	1.3	0.53 J	2.4 J	U	6.5	0.58 J	1.0 J	0.68 J
naphthalene	NA	NA	U	U	U	1.1 J	U	U	U	U	U
n-Butane	NA	NA	NA	NA	1.9	30	1.4	0.54 J	0.95 J	1.5	U
n-Propylbenzene	NA	NA	NA	NA	U	U	U	U	U	U	U
o-xylene	2,920	292	U	1.3	U	1.3 J	U	0.12 J	U	U	U
styrene	29,200	2,920	U	U	U	0.74 J	U	U	U	U	U
tert-Butyl alcohol	NA	NA	NA	NA	U	1.8 J	U	0.93 J	U	U	U
tetrachloroethylene (pce)	139	102	U	U	U	1.7 J	U	U	U	U	U
tetrahydrofuran	NA	NA	U	U	U	5.9 J	U	U	U	U	U
toluene	146,000	14,600	2.3	7.2	0.57 JB	17	0.55 J	0.74	0.57 J	0.34 J	0.58 J
trichloroethylene (tce)	409	41	0.82	0.82	U	U	U	U	U	U	U
vinyl chloride	186	186	U	U	U	U	U	U	U	U	U

Notes:
U - Not detected.

J- The analyte was positively identified; the quantitation is an estimation.
NA- Not Available
µg/m³: microgram per cubic meter.
Exceedance of the screening level.
B - Analytes detected in the trip blank.
♦-Denotes higher nominal value of duplicate sample result.

Table 3-4
Buildings 785/786 SSVM System Performance Monitoring
Sub-Slab Vapor, Indoor and Outdoor Air Results

Sample Location	Sub-slab Vapor Screening Level ($\mu g/m^3$)	Indoor Air Screening Level ($\mu g/m^3$)	786VMP-1										
Sample ID			**786VMP0102AA**	**786VMP0102AB**	**786VMP0102AC**	**786VMP0102AD**	**786VMP0102AG**	**786VMP0102HA**	**786VMP0102IA**	**786VMP0102JA**	**786VMP0102KA**	**786VMP0102LA**
Sample Type			**sub-slab**	**sub-slab**	**sub-slab**	**sub-slab**	**sub-slab**	**sub-slab**	**sub-slab**	**sub-slab**	**sub-slab**	**sub-slab**
Sample Date			**18-Jan-2011**	**24-Aug-2011**	**24-Oct-2011**	**27-Jan-2012**	**8-Aug-2012**	**6-Mar-2013**	**9-Aug-2013**	**3-Oct-2013**	**26-Feb-2014**	**18-Jul-2014**
Sample Depth (ft bgs / ags)			**2.5**	**2.5**	**2.5**	**2.5**	**2.5**	**2.5**	**2.5**	**2.5**	**2.5**	**2.5**
Sample Collection Duration (hr)			**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**
Volatiles (TO-15) in $\mu g/m^3$												
1,1,1-trichloroethane	146,000	14,600	12	U	U	U	U	U	U	0.53 J	U	U
1,1-dichloroethane	NA	NA	U	U	U	U	U	U	U	U	U	U
1,2,4-trichlorobenzene	NA	NA	U	U	U	U	U	U	U	U	U	0.59 J
1,2,4-trimethylbenzene	175	18	7.5	6.9	1.2	U	0.38 J	1.0	1.7	1.3	0.31 J	4.2
1,2-dichloroethane	31	31	U	U	U	U	U	U	U	U	U	U
1,3,5-trimethylbenzene	175	18	5.2	1.9	U	U	U	0.33 J	0.46 J	0.38 J	U	1.3 J
1,3-dichlorobenzene	3,212	321	U	U	U	U	U	17 J	2.3	U	1.8 J	16
1,4-dichlorobenzene	23,360	2,336	U	U	U	U	U	U	U	U	U	U
2-chlorotoluene	NA	NA	NA	NA	NA	U	U	U	U	U	U	0.30 J
2,2,4-trimethylpentane	NA	NA	19	0.95	3.8	1.9	U	7 J	1.3	U	U	1.2 J
4-ethyltoluene	NA	NA	3.2	2.7	0.65 J	U	U	0.29 J	0.54 J	0.23 J	U	1.4 J
4-isopropyltoluene		NA	NA	NA	NA	U	U	U	U	U	U	U
acetone	NA	NA	31	20	U	3.3 J	7.8 JB	12 J	7.8 J	9.2 J	U	26
benzene	105	88	19	3.1	9.1	U	U	U	0.66	0.47 J	0.71 J	1.4
bromodichloromethane	NA	NA	4.0	U	U	U	U	U	U	U	U	U
bromomethane	NA	NA	U	U	U	U	U	U	U	U	U	U
carbon disulfide	20,440	2,044	15	0.63	U	U	0.65 J	U	0.56 J	2.6	U	8.2
carbon tetrachloride	55	55	U	U	0.70 J	0.43 J	0.52 J	0.41 J♦	0.35 JM	0.37 J♦	U	0.53 J
chlorobenzene	NA	NA	U	U	U	U	U	U	U	U	U	0.90 J
chloroform	36	36	30	0.84	U	U	0.43 J	U	U	1.1	U	2.6
chloromethane	818	263	U	U	U	U	0.24 J	0.2 J	0.18 J	0.27 J	U	U
cis-1,2-dichloroethene	1,022	102	9.7	U	U	U	U	U	U	U	U	U
cumene	NA	NA	NA	NA	NA	U	U	U	U	U	U	0.67 J
cyclohexane	175,200	17,520	U	2.5	5.7	2.8	U	8.7 J	U	0.25 J	U	2.7
ethyl acetate	93,440	9,344	U	U	U	U	U	U	NA	U	U	U
ethylbenzene	743	743	6.6	4.6	3.1	U	0.34 J	0.89	1	2	0.40 J	4.6
freon 11 (trichlorofluoromethane)	20,440	2,044	3.0	1.8	2.6	1.3	1.3	1.3	1.1	1.3	U	1.6 J
freon 113 (freon TF)	876,000	87,600	U	0.86 J	0.78 J	0.64 J	0.62 J	0.64 J	0.52 J	0.61 J	U	0.84 J
freon 12 (dichlorodifluoromethane)	5,840	584	3.8	2.9	U	2.7	2.4 J	2.6 ♦	2.2 J♦	2.3 J	2.0 J	2.9 J
freon 22	NA	NA	NA	NA	NA	U	0.86 J	0.89 J♦	0.79 J♦	0.79 J	U	0.92 J
heptane	NA	NA	25	3.4	8.1	4.1	U	3.9 J	0.39 J♦	0.37 J	U	1.0 J
hexane	20,440	2,044	52	4.9	16	10	U	13 J	0.22 J♦	2.5	0.81 J	1.5
isopropyl alcohol	NA	NA	U	14	U	1.1 J	0.87 J	98 J	6.6 J	14	120	68
m,p-xylene (sum of isomers)	2,920	292	17	19	11	0.32 J	1.0 J	3.4	3.6	5.6	1.2 J	13
methyl butyl ketone	NA	NA	U	U	U	U	U	U	0.31 J♦	0.34 J	U	U
methyl ethyl ketone	146,000	14,600	U	2.3	U	0.55 J	1.3 JB	4.1 J	1.4 J♦	3.6	U	11
methyl isobutyl ketone	87,600	8,760	U	U	U	3.5	U	U	U	1.2 J	U	1.4 J
methyl methacrylate	NA	NA	NA	NA	NA	U	U	U	U	U	U	2.8 J
methyl tert-butyl ether	87,600	8,760	U	U	U	U	U	U	U	U	U	1.3 J
methylene chloride	1,740	1,740	3.8	U	U	U	0.44 J	0.55 J	0.40 J♦	0.84 J	U	U
naphthalene	NA	NA	U	U	U	U	U	U	0.98 J	0.85 J	U	U
n-Butane	NA	NA	NA	NA	NA	U	0.43 J	1.2 J♦	U	0.44 J	5.0	2.9
n-Propylbenzene	NA	NA	NA	NA	NA	U	U	U	U	U	U	1.0 J
o-xylene	2,920	292	7.5	4.9	2.0	0.11 J	0.39 J	1.3	1.4	1.6	1.7 J	4.3
styrene	29,200	2,920	U	U	U	U	0.20 J	0.2 J	0.37 J♦	0.43 J	U	2.5
tert-Butyl alcohol	NA	NA	NA	NA	NA	U	U	U	0.69 J♦	1.8 J	U	16 J
tetrachloroethylene (pce)	139	102	140	3.7	2.0	2.4	1.5	0.5 J	0.71 J♦	3.3	U	8.3
tetrahydrofuran	NA	NA	U	U	U	U	0.43 J	U	U	2.5 J	U	7.5 J
toluene	146,000	14,600	35	15	29	0.61 J	1.5	3.7 J	3	4.2	3.0	14
trichloroethylene (tce)	409	41	4,900	84	49	13	24	9.1 J♦	16♦	140♦	26	270
vinyl chloride	186	186	U	U	U	U	U	U	U	U	U	U

Notes:
U - Not detected.
J- The analyte was positively identified; the quantitation is an estimation.
NA- Not Available
$\mu g/m^3$: microgram per cubic meter.
Exceedance of the indoor or outdoor initial benchmark.
B - Analytes detected in the trip blank.
♦-Denotes higher nominal value of duplicate sample result.

Table 3-4
Buildings 785/786 SSVM System Performance Monitoring
Sub-Slab Vapor, Indoor and Outdoor Air Results

Sample Location	Sub-slab Vapor Screening Level ($\mu g/m^3$)	Indoor Air Screening Level ($\mu g/m^3$)	786VMP-2									
Sample ID			**786VMP0202AA**	**786VMP0202AB**	**786VMP0202AC**	**786VMP0202AE**	**786VMP0202AG**	**786VMP0202HA**	**786VMP0202IA**	**786VMP0202JA**	**786VMP0202KA**	**786VMP0202LA**
Sample Type			**sub-slab**	**sub-slab**	**sub-slab**	**sub-slab**	**sub-slab**	**sub-slab**	**sub-slab**	**sub-slab**	**sub-slab**	**sub-slab**
Sample Date			**18-Jan-2011**	**24-Aug-2011**	**24-Oct-2011**	**7-Feb-2012**	**8-Aug-2012**	**6-Mar-2013**	**9-Aug-2013**	**3-Oct-2013**	**29-Jan-2014**	**18-Jul-2014**
Sample Depth (ft bgs / ags)			**2.5**	**2.5**	**2.5**	**2.5**	**2.5**	**2.5**	**2.5**	**2.5**	**2.5**	**2.5**
Sample Collection Duration (hr)			**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**
Volatiles (TO-15) in $\mu g/m^3$												
1,1,1-trichloroethane	146,000	14,600	15	4.2	3.7	0.78 J	2.1	U	3.7	6.8	1.5	14
1,1-dichloroethane	NA	NA	U	U	U	U	U	U	U	U	U	U
1,2,4-trichlorobenzene	NA	NA	U	U	U	U	U	U	U	0.75 J	U	U
1,2,4-trimethylbenzene	175	18	4.5	7.5	1.6	0.62 J	1.2	1.4	1.5	U	0.49 J	U
1,2-dichloroethane	31	31	U	U	U	U	U	U	U	U	U	U
1,3,5-trimethylbenzene	175	18	1.7	3.1	0.55 J	0.26 J	0.33 J	0.44 J	0.41 J	0.25 J	U	U
1,3-dichlorobenzene	3,212	321	U	U	U	U	U	28	1.9	0.28 J	4.9	U
1,4-dichlorobenzene	23,360	2,336	U	U	U	U	U	U	U	U	U	U
2-chlorotoluene	NA	NA	NA	NA	NA	U	U	U	U	U	U	U
2,2,4-trimethylpentane	NA	NA	1.8	U	1.3	U	U	6.8	0.61 J	U	U	U
4-ethyltoluene	NA	NA	0.95	2	0.55 J	0.29 J	0.36 J	0.37 J	0.46 J	U	U	U
4-isopropyltoluene		NA	NA	NA	NA	U	U	U	U	U	U	U
acetone	NA	NA	49	25	U	1.9 J	26 B	25	4.8 J	15	31 J♦	U
benzene	105	88	4.6	0.32 J	2.2	U	0.19 J	0.66	0.44 J	0.42 J	0.66 ♦	0.49 J
bromodichloromethane	NA	NA	7.4	3.2	1.7	0.32 J	1.3 J	U	0.70 J	0.96 J	U	2.1 J
bromomethane	NA	NA	U	U	U	U	U	U	U	U	U	U
carbon disulfide	20,440	2,044	5.3	1.4	0.41 J	U	0.64 J	U	0.62 J	0.45 J	U	1.1 J
carbon tetrachloride	55	55	U	U	U	0.44 J	0.53 J	0.41 J	0.47 J	0.34 J	U	U
chlorobenzene	NA	NA	U	U	U	U	U	U	U	U	U	U
chloroform	36	36	620	100	72	12	31	2.4	55	58	11	160
chloromethane	818	263	U	U	U	U	0.27 J	U	0.28 J	0.19 J	U	U
cis-1,2-dichloroethene	1,022	102	1.4	U	U	U	U	U	0.34 J	0.32 J	U	0.90 J
cumene	NA	NA	NA	NA	NA	U	U	U	U	U	U	U
cyclohexane	175,200	17,520	U	U	U	U	0.38 J	9.1	U	U	3.4 J♦	U
ethyl acetate	93,440	9,344	U	1.1	U	U	U	U	NA	U	U	U
ethylbenzene	743	743	1.5	8.8	2.7	1.4	1.9	1.6	0.77 J	0.64 J	0.56 J	U
freon 11 (trichlorofluoromethane)	20,440	2,044	2.7	1.7	1.4	1.3	1.4	1.4	1.2	1.3	0.91 J♦	1.9 J
freon 113 (freon TF)	876,000	87,600	3.7	1.1 J	1.1 J	0.55 J	0.78 J	0.75 J	0.78 J	1.5	1.2 J♦	2.3 J
freon 12 (dichlorodifluoromethane)	5,840	584	3.5	2.8	2.3	2.5	2.4 J	2.7	1.9 J	2.4 J	3.0 ♦	3.0 J
freon 22	NA	NA	NA	NA	NA	U	1.2 J	0.98 J	0.73 J	0.82 J	U	1.0 J
heptane	NA	NA	5.8	U	1.7	U	0.38 J	3.7	U	U	0.85 ♦	U
hexane	20,440	2,044	U	U	U	0.22 J	0.76	15	0.19 JM	2.5	1.1 J♦	U
isopropyl alcohol	NA	NA	U	U	U	1.4 J	1.5 J	170	3.1 J	1 J	24	U
m,p-xylene (sum of isomers)	2,920	292	4.8	32	9.9	4.6	7.2	6.3	2.8	1.5 J	1.5 J	U
methyl butyl ketone	NA	NA	9.2	8.7 J	U	U	0.84 J	U	U	0.58 J	U	U
methyl ethyl ketone	146,000	14,600	15	U	U	U	4.8 B	7	1.4 J	3.2	3.1 ♦	U
methyl isobutyl ketone	87,600	8,760	6.7	U	U	1.0 J	0.74 J	U	U	0.78 J	U	U
methyl methacrylate	NA	NA	NA	NA	NA	U	U	U	U	U	U	U
methyl tert-butyl ether	87,600	8,760	U	U	U	U	U	U	U	U	U	U
methylene chloride	1,740	1,740	1.4	23	2.5	15	2.8	0.83 J	2.3	1.3 J	1.0 J♦	U
naphthalene	NA	NA	U	U	U	U	0.53 J	U	0.77 J	0.52 J	U	U
n-Butane	NA	NA	NA	NA	NA	0.67 J	2.1	1.3	0.37 J	0.26 J	0.85 J♦	U
n-Propylbenzene	NA	NA	NA	NA	NA	U	U	U	U	U	U	U
o-xylene	2,920	292	2.2	6.6	2.1	1.1	1.6	2.2	1	0.53 J	0.61 J	U
styrene	29,200	2,920	U	2.2	U	U	0.25 J	U	U	0.22 J	0.29 J	U
tert-Butyl alcohol	NA	NA	NA	NA	NA	U	1.1 J	U	U	3.3 J	4.2 J♦	U
tetrachloroethylene (pce)	139	102	11	0.83 J	2.9	U	0.82 J	U	0.93 J	0.54 J	U	1.6 J
tetrahydrofuran	NA	NA	16	U	U	U	0.67 J	U	U	0.42 J	U	1.3 J
toluene	146,000	14,600	6.7	16	11	2.2 B	4.4	5.2	2.1	2	4.3 ♦	0.59 J
trichloroethylene (tce)	409	41	740	260	140	22	110	6.3	150	120	6.3	410
vinyl chloride	186	186	U	U	U	U	U	U	U	U	U	U

Notes:
U - Not detected.
J- The analyte was positively identified; the quantitation is an estimation.
NA- Not Available
$\mu g/m^3$: microgram per cubic meter.
Exceedance of the indoor or outdoor initial benchmark.
B - Analytes detected in the trip blank.
♦-Denotes higher nominal value of duplicate sample result.

Table 3-4
Buildings 785/786 SSVM System Performance Monitoring
Sub-Slab Vapor, Indoor and Outdoor Air Results

Sample Location	Sub-slab Vapor Screening Level ($\mu g/m^3$)	Indoor Air Screening Level ($\mu g/m^3$)	786VMP-3									
Sample ID			**786VMP0302AA**	**786VMP0302AB**	**786VMP0302AC**	**786VMP0302AD**	**786VMP0302AG**	**786VMP0302HA**	**786VMP0302IA**	**786VMP0302JA**	**786VMP0302KA**	**786VMP0302LA**
Sample Type			**sub-slab**	**sub-slab**	**sub-slab**	**sub-slab**	**sub-slab**	**sub-slab**	**sub-slab**	**sub-slab**	**sub-slab**	**sub-slab**
Sample Date			**18-Jan-2011**	**24-Aug-2011**	**24-Oct-2011**	**27-Jan-2012**	**8-Aug-2012**	**6-Mar-2013**	**9-Aug-2013**	**3-Oct-2013**	**29-Jan-2014**	**18-Jul-2014**
Sample Depth (ft bgs / ags)			**2.5**	**2.5**	**2.5**	**2.5**	**2.5**	**2.5**	**2.5**	**2.5**	**2.5**	**2.5**
Sample Collection Duration (hr)			**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**
Volatiles (TO-15) in $\mu g/m^3$												
1,1,1-trichloroethane	146,000	14,600	16	U	U	U	U	U	U	0.6 J	U	1.9
1,1-dichloroethane	NA	NA	1.4	U	U	U	U	U	U	U	U	0.57 J
1,2,4-trichlorobenzene	NA	NA	U	U	U	U	0.62 J	U	U	0.39 J	U	U
1,2,4-trimethylbenzene	175	18	13	2.4	0.8	0.33 J	U	U	U	0.96	0.30 J	6.2
1,2-dichloroethane	31	31	U	U	U	U	U	U	U	U	U	U
1,3,5-trimethylbenzene	175	18	9.9	0.65 J	U	U	U	U	U	0.3 J	U	1.6
1,3-dichlorobenzene	3,212	321	U	U	U	U	U	U	U	0.41 J	U	18
1,4-dichlorobenzene	23,360	2,336	U	U	U	U	U	U	U	U	U	1.4
2-chlorotoluene	NA	NA	NA	NA	NA	U	U	U	U	U	U	0.42 J
2,2,4-trimethylpentane	NA	NA	U	U	1.4	0.24 J	U	U	1.9	U	U	2.3
4-ethyltoluene	NA	NA	8.1	0.60 J	U	U	U	U	U	0.28 J	U	2.1
4-isopropyltoluene		NA	NA	NA	NA	U	U	U	U	2.2	U	0.76 J
acetone	NA	NA	50	24	4.3	1.2 J	94	17	5.5 J	9.3 J	31 J	44
benzene	105	88	4.7	0.32 J	4.2	0.25 J	1.0	0.7	U	0.46 J	0.82	3.5
bromodichloromethane	NA	NA	2.9	U	U	U	U	U	U	U	U	U
bromomethane	NA	NA	U	U	U	U	U	U	U	U	U	U
carbon disulfide	20,440	2,044	3.1	0.95	U	U	0.91 J	U	0.38 J	3.3	0.64 J	15
carbon tetrachloride	55	55	U	U	0.64 J	0.48 J	0.55 J	U	0.44 J	0.31 JM	0.28 J	0.45 J
chlorobenzene	NA	NA	U	U	U	U	U	U	U	U	U	3.0
chloroform	36	36	47	U	U	U	0.33 J	U	U	0.41 J	0.21 J	1.4
chloromethane	818	263	U	U	U	U	U	0.2 J	0.14 J	0.32 J	U	0.47 J
cis-1,2-dichloroethene	1,022	102	1.1	U	U	U	U	U	U	U	U	U
cumene	NA	NA	NA	NA	NA	U	U	U	U	U	U	1.1
cyclohexane	175,200	17,520	U	U	U	U	U	3.6	U	U	U	3.7
ethyl acetate	93,440	9,344	U	U	U	U	U	U	NA	U	U	U
ethylbenzene	743	743	9.8	1.6	1.1	0.40 J	0.34 J	U	U	0.8 J	0.31 J	6.4
freon 11 (trichlorofluoromethane)	20,440	2,044	3.2	1.7	1.5	1.4	1.4 J	1.4	1.2	1.2	1.1	2
freon 113 (freon TF)	876,000	87,600	3.4	0.78 J	U	0.54 J	0.67 J	0.6 J	0.59 J	U	0.69 J	0.67 J
freon 12 (dichlorodifluoromethane)	5,840	584	U	2.8	2.6	2.7	2.7 J	2.6	2.1 J	0.56 J	3.1	3.5
freon 22	NA	NA	NA	NA	NA	0.97 J	1.0 J	0.98 J	U	0.84 J	0.86 J	1.3 J
heptane	NA	NA	4.7	1.2	1.9	0.40 J	0.83 J	U	0.51 J	U	7.5	2.2
hexane	20,440	2,044	U	U	6.8	1.5	U	2.9	U	0.48 JM	4.9	1.9
isopropyl alcohol	NA	NA	U	11	U	U	2.8 J	34	2.3 J	5.5 J	U	73
m,p-xylene (sum of isomers)	2,920	292	16	5.3	3.4	1.4 J	0.75 J	U	U	1.7 J	0.37 J	17
methyl butyl ketone	NA	NA	7.6	U	U	U	7.6	U	U	U	U	U
methyl ethyl ketone	146,000	14,600	19	6.3 J	U	U	35	3.5	0.95 J	3.6	7.4	11
methyl isobutyl ketone	87,600	8,760	U	U	U	4.0	1.3 J	U	U	0.75 J	1.4 J	2.2
methyl methacrylate	NA	NA	NA	NA	NA	U	U	U	U	U	U	3.3
methyl tert-butyl ether	87,600	8,760	U	U	U	U	U	U	U	U	U	1.7
methylene chloride	1,740	1,740	U	U	U	0.50 J	U	U	U	1.4 J	0.53 J	1.3 J
naphthalene	NA	NA	U	U	U	U	0.87 J	U	U	18.0	U	U
n-Butane	NA	NA	NA	NA	NA	U	U	U	U	0.33 J	2.4	0.97 J
n-Propylbenzene	NA	NA	NA	NA	NA	U	U	U	U	U	U	2.3
o-xylene	2,920	292	6.2 J	1.5	0.84	0.38 J	0.24 J	U	U	0.62 J	0.19 J	5.2
styrene	29,200	2,920	4.8	0.95	U	U	U	U	U	0.27 J	U	3.0
tert-Butyl alcohol	NA	NA	NA	NA	NA	0.47 J	150	U	U	2.2 J	U	17
tetrachloroethylene (pce)	139	102	85	2.6	1.5	U	4.6	U	4.2	U	0.77 J	8.5
tetrahydrofuran	NA	NA	36	U	U	U	U	11 J	U	2 J	U	12 J
toluene	146,000	14,600	16	5.2	7.7	0.62 J	2.7	0.2 J	0.70 J	3.2	1.0	19
trichloroethylene (tce)	409	41	2,200	51	23	1.9	36	1.8	6.5	58.0	11	200
vinyl chloride	186	186	U	U	U	U	U	U	U	U	U	U

Notes:
U - Not detected.
J- The analyte was positively identified; the quantitation is an estimation.
NA- Not Available
$\mu g/m^3$: microgram per cubic meter.
Exceedance of the indoor or outdoor initial benchmark.
B - Analytes detected in the trip blank.
♦-Denotes higher nominal value of duplicate sample result.

Table 3-4
Buildings 785/786 SSVM System Performance Monitoring
Sub-Slab Vapor, Indoor and Outdoor Air Results

Sample Location	Sub-slab Vapor Screening Level ($\mu g/m^3$)	Indoor Air Screening Level ($\mu g/m^3$)	786-IA								
Sample ID			**786IA04**	**786IA05**	**786IA06**	**786IA07**	**786IA08**	**786IA09**	**786IA10**	**786IA11**	**786IA12**
Sample Type			**Indoor**	**Indoor**	**Indoor**	**Indoor**	**Indoor**	**Indoor**	**Indoor**	**Indoor**	**Indoor**
Sample Date			**24-Aug-2011**	**24-Oct-2011**	**27-Jan-2012**	**8-Aug-2012**	**6-Mar-13**	**9-Aug-13**	**3-Oct-13**	**28-Jan-14**	**17-Jul-14**
Sample Depth (ft bgs / ags)			**5**	**5**	**5**	**5**	**5**	**5**	**5**	**5**	**5**
Sample Collection Duration (hr)			**12**	**12**	**12**	**12**	**12**	**12**	**12**	**12**	**12**
Volatiles (TO-15) in $\mu g/m^3$											
1,1,1-trichloroethane	146,000	14,600	U	U	U	U	U	U	U	U	U
1,1-dichloroethane	NA	NA	U	U	U	U	U	U	U	U	U
1,2,4-trichlorobenzene	NA	NA	U	U	U	U	U	U	U	U	U
1,2,4-trimethylbenzene	175	18	5.1	1.9	U	0.59 J	U	U	2.8	U	0.15 J
1,2-dichloroethane	31	31	U	U	U	0.44 J	U	U	U	U	U
1,3,5-trimethylbenzene	175	18	2.6	U	U	U	U	U	0.78 J	U	U
1,3-dichlorobenzene	3,212	321	U	U	U	U	U	U	U	U	U
1,4-dichlorobenzene	23,360	2,336	U	U	U	U	U	U	U	U	U
2-chlorotoluene	NA	NA	NA	NA	U	U	U	U	U	U	U
2,2,4-trimethylpentane	NA	NA	0.81	U	0.41 J	0.80 J	2.4	0.38 J	U	0.76 J	U
4-ethyltoluene	NA	NA	1.2	0.60 J	U	U	U	U	0.74 J	U	U
4-isopropyltoluene		NA	NA	NA	U	U	U	U	U	U	U
acetone	NA	NA	49	12	3.3 J	46	21	15	18	U	9.2 J
benzene	105	88	0.91	1.3	0.75	0.47 J	0.77	0.41 J	0.68	0.52 J	0.22 J
bromodichloromethane	NA	NA	U	U	U	U	U	U	U	U	U
bromomethane	NA	NA	U	U	U	U	U	U	U	U	0.12 J
carbon disulfide	20,440	2,044	U	U	U	1.8	U	0.38 J	U	1.2 J	U
carbon tetrachloride	55	55	U	U	0.53 J	0.43 J	0.5 J	0.44 J	0.4 J	0.53 J	0.45 J
chlorobenzene	NA	NA	U	U	U	U	U	U	U	U	U
chloroform	36	36	U	U	U	0.19 J	U	U	U	U	U
chloromethane	818	263	U	U	1.2	1.3	U	0.86 J	1	1.6	1.2
cis-1,2-dichloroethene	1,022	102	0.64	U	U	U	U	U	U	U	U
cumene	NA	NA	NA	NA	U	U	U	U	U	U	U
cyclohexane	175,200	17,520	U	1.7	0.28 JB	0.35 J	U	0.18 J	U	U	U
ethyl acetate	93,440	9,344	U	U	U	U	U	NA	U	U	U
ethylbenzene	743	743	3	1.8	0.67 J	1.3	U	1.1	14	U	0.11 J
freon 11 (trichlorofluoromethane)	20,440	2,044	1.7	1.1	1.4	1.4	1.6	1.1 J	1.2	1.4	1.3
freon 113 (freon TF)	876,000	87,600	0.78 J	U	0.56 J	0.61 J	0.68 J	0.53 J	0.49 J	0.63 J	0.59 J
freon 12 (dichlorodifluoromethane)	5,840	584	2.8	2.0	2.8	2.5	3	2.0 J	2.3 J	3.1	2.5
freon 22	NA	NA	NA	NA	U	1.3 J	1.1 J	0.78 J	0.86 J	1.1 J	1.1 J
heptane	NA	NA	1.7	0.96	0.48 JB	0.92	1.2	0.36 J	U	0.82	U
hexane	20,440	2,044	U	2.6	1.3 B	1.5	8.2	0.56 J	0.38 J	0.77	U
isopropyl alcohol	NA	NA	8.2	3.0	U	3.0 J	1.1 J	2.6 J	1.8 J	U	1.8 J
m,p-xylene (sum of isomers)	2,920	292	11	6.2	1.8 J	3.9	U	3.3	47	U	0.30 J
methyl butyl ketone	NA	NA	U	U	U	0.40 J	U	0.42 J	U	U	U
methyl ethyl ketone	146,000	14,600	5.9	U	0.76 J	4.5 B	3.8	3.1	7.6	U	1.2 J
methyl isobutyl ketone	87,600	8,760	U	U	2.6	0.71 J	U	0.98 J	2.7	U	U
methyl methacrylate	NA	NA	NA	NA	U	U	U	U	U	U	U
methyl tert-butyl ether	87,600	8,760	U	U	U	U	U	U	U	U	U
methylene chloride	1,740	1,740	2.7	U	0.67 J	1.0 J	0.69 J	0.47 J	0.75 J	0.68 J	U
naphthalene	NA	NA	U	U	U	U	U	0.86 J	U	U	U
n-Butane	NA	NA	NA	NA	2.3	7.8	3.2	1.3	1.4	2.2	U
n-Propylbenzene	NA	NA	NA	NA	U	U	U	U	0.48 J	U	U
o-xylene	2,920	292	2.7	1.7	0.51 J	1.0	U	0.80 J	14	U	0.11 J
styrene	29,200	2,920	1.8	U	U	0.62 J	U	0.33 J	0.58 J	U	U
tert-Butyl alcohol	NA	NA	NA	NA	U	U	U	0.56 J	U	U	U
tetrachloroethylene (pce)	139	102	U	U	U	0.34 J	U	U	U	U	1.2 J
tetrahydrofuran	NA	NA	U	U	U	1.5 J	U	U	U	U	U
toluene	146,000	14,600	8.8	9.4	2.4 B	7.3	0.98	4.5	9.3	0.33 J	0.52 J
trichloroethylene (tce)	409	41	2.5	U	U	U	U	U	U	U	U
vinyl chloride	186	186	U	U	U	U	U	U	U	U	U

Notes:
U - Not detected.
J- The analyte was positively identified; the quantitation is an estimation.
NA- Not Available
$\mu g/m^3$: microgram per cubic meter.
Exceedance of the indoor or outdoor initial benchmark.
B - Analytes detected in the trip blank.
♦-Denotes higher nominal value of duplicate sample result.

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Appendix A

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Sub-Slab Vapor Mitigation (SSVM) - Stepped-Rate Test

Building 785 and 786

Date:	9/25/2014
conducted by:	JP
Extraction Well:	Total Sytem

Start up 10:20.

Patm = 30.46 in hg

Test Number	Vacuum (blower) (inch h.g.)	Differential Pressure (inch w.g.)	Temperature (intake) (deg F)	Temperature (blower) (deg F)	Temperature (heat exchanger) (deg F)	Flow Rate (acfm)
0 1	1.75	1.2	64	95	88	
1/2 2	1.9	1.0	64	105	92	
1 3	2.0	1.0	64	110	97	
1.5 4	2.1	1.0	64	112	99	
2.0 5	2.25	1.1	64	115	100	
2.5 6	2.5	1.3	64	117	104	
3.0 7	2.6	1.3	64	120	106	
* 3.5 8	2.8	1.5	64	123	108	
4.0 9	2.6	2.1	64	123	109	
4.5 10	2.9	2.3	64	124	109	
5.0 11	3.05	2.6	64	125	109	
5.5 12	3.4	3.0	64	128	111	
6.0 13	3.8	3.3	64	130	113	
6.5 14	4.05	3.7	64	133	115	
7.0 15	4.2	3.8	64	136	116	
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						

* valve next to knock out tank only 3/4 open. open all the way on Test #9.

FINAL Reading.

786 - Vac = -46 ΔP = 0.9 Temp = 58

785 Vac = -49 ΔP = 0.5 Temp = 58

SSVM Vapor Monitoring Point Vacuum Measurements

Date:	7-10-14			
conducted by:	MG			
Site ID:	B774/B776 SVE		Patm (inch hg):	30.16 (In HG)

Vacuum Gauge:	Vacuum (inch w.g.)	Magnehelic Gauge:	Differential Pressure (inch w.g.)	Temperature (Deg F)	Flow Rate (acfm)
774-1	-20	774-1	.5	72°F	166.93
774-2	-18	774-2	.2	78°F	105.90
776-1	-18	776-1	.6	74°F	182.73
Blower Temp (deg F)	105°F	After Cooler Temp (deg F)	100°F		

Well_ID, Distance from well axis (ft)	Time	Shallow Vacuum (inch w.g.)	Medium Vacuum (inch w.g.)	Deep Vacuum (inch w.g.)

System off at arrival

SSVM Vapor Monitoring Point Vacuum Measurements

Date:	7-24-14			
conducted by:	MG			
Site ID:	B774-B776 SVE		Patm (inch hg):	29.98

Vacuum Gauge:	Vacuum (inch w.g.)	Magnehelic Gauge:	Differential Pressure (inch w.g.)	Temperature (Deg F)	Flow Rate (acfm)
774-1	-20	774-1	.5	70°F	166.10
774-2	-18	774-2	.1	75°F	74.44
776-1	-20	776-1	.6	70°F	181.95
Blower Temp (deg F)	122°F	After Cooler Temp (deg F)	110°F		

Well_ID, Distance from well axis (ft)	Time	Shallow Vacuum (inch w.g.)	Medium Vacuum (inch w.g.)	Deep Vacuum (inch w.g.)

SSVM Vapor Monitoring Point Vacuum Measurements

Date:	MG July-31-14			
conducted by:				
Site ID:	B774/B776 SVE		Patm (inch hg):	30.05 (inHG)
Vacuum Gauge:	Vacuum (inch w.g.)	Magnehelic Gauge:	Differential Pressure (inch w.g.)	Temperature (Deg F)
774-1	-20	774-1	.5	68°F
774-2	-17	774-2	.2	70°F
776-1	-18	776-1	.6	70°F
Blower Temp (deg F)	115°F	After Cooler Temp (deg F)	100°F	
Well_ID, Distance from well axis (ft)	Time	Shallow Vacuum (inch w.g.)	Medium Vacuum (inch w.g.)	Deep Vacuum (inch w.g.)

Flow Rate (acfm)
165.99
104.77
181.70

SSVM Vapor Monitoring Point Vacuum Measurements

Date:	8-7-14			
conducted by:	MG			
Site ID:	B774 - B776SVF		Patm (inch hg):	29.99 in HG

Vacuum Gauge:	Vacuum (inch w.g.)	Magnehelic Gauge:	Differential Pressure (inch w.g.)	Temperature (Deg F)	Flow Rate (acfm)
774-1	-20	774-1	.5	68°F	165.81
774-2	-17	774-2	.2	72°F	104.86
776-1	-18	776-1	.6	70°F	181.51
Blower Temp (deg F)	120°F	After Cooler Temp (deg F)	110°F		

Well_ID, Distance from well axis (ft)	Time	Shallow Vacuum (inch w.g.)	Medium Vacuum (inch w.g.)	Deep Vacuum (inch w.g.)

SSVM Vapor Monitoring Point Vacuum Measurements

Date:	8-4-14			
conducted by:	MG			
Site ID:	B774-B776 SVI		Patm (inch hg):	29.86 (in HG)
Vacuum Gauge:	Vacuum (inch w.g.)	Magnehelic Gauge:	Differential Pressure (inch w.g.)	Temperature (Deg F)
774-1	-20	774-1	.5	68°F
774-2	-18	774-2	.2	70°F
776-1	-18	776-1	.6	70°F
Blower Temp (deg F)	118°F	After Cooler Temp (deg F)	105°F	

Well_ID, Distance from well axis (ft)	Time	Shallow Vacuum (inch w.g.)	Medium Vacuum (inch w.g.)	Deep Vacuum (inch w.g.)

Flow Rate (acfm)

165.43

104.56

181.10

SSVM Vapor Monitoring Point Vacuum Measurements

Date:	8-22-14			
conducted by:	MG			
Site ID:	8776-8776-5 VI		Patm (inch hg):	30.04 (InHG)
Vacuum Gauge:	Vacuum (inch w.g.)	Magnehelic Gauge:	Differential Pressure (inch w.g.)	Temperature (Deg F)
774-1	-20	774-1	.5	68°F
774-2	-17	774-2	.2	70°F
776-1	-18	776-1	.6	70°F
Blower Temp (deg F)	118°F	After Cooler Temp (deg F)	108°F	

Well_ID, Distance from well axis (ft)	Time	Shallow Vacuum (inch w.g.)	Medium Vacuum (inch w.g.)	Deep Vacuum (inch w.g.)

Flow Rate (acfm)
165.96
104.75
181.67

SSVM Vapor Monitoring Point Vacuum Measurements

Date:	8/28/14			
conducted by:	KM			
Site ID:	774 / 776		Patm (inch hg):	30.00
Vacuum Gauge:	Vacuum (inch w.g.)	Magnehelic Gauge:	Differential Pressure (inch w.g.)	Temperature (Deg F)
774-1	-22	774-1	0.5	68
774-2	-19	774-2	0.2	71
776-1	-20	776-1	0.6	70
Blower Temp (deg F)	120	After Cooler Temp (deg F)	105	

Flow Rate (acfm)
166.27
105.05
182.01

Well_ID, Distance from well axis (ft)	Time	Shallow Vacuum (inch w.g.)	Medium Vacuum (inch w.g.)	Deep Vacuum (inch w.g.)

SSVM Vapor Monitoring Point Vacuum Measurements

Date:	9-5-14			
conducted by:	MG			
Site ID:	B774-B776 SVF		Patm (inch hg):	30.09 (Int'G)

Vacuum Gauge:	Vacuum (inch w.g.)	Magnehelic Gauge:	Differential Pressure (inch w.g.)	Temperature (Deg F)	Flow Rate (acfm)
774-1	-20	774-1	.5	70°f	166.42
774-2	-18	774-2	.2	74°F	105.37
776-1	-18	776-1	.6	72°f	182.17.
Blower Temp (deg F)	123°F	After Cooler Temp (deg F)	~~180°F~~ 159		

Well_ID, Distance from well axis (ft)	Time	Shallow Vacuum (inch w.g.)	Medium Vacuum (inch w.g.)	Deep Vacuum (inch w.g.)

SSVM Vapor Monitoring Point Vacuum Measurements

Date:	9-11-14			
conducted by:	MG			
Site ID:	B774-B776SVE		Patm (inch hg):	29.81 (IN HG)
Vacuum Gauge:	Vacuum (inch w.g.)	Magnehelic Gauge:	Differential Pressure (inch w.g.)	Temperature (Deg F)
774-1	-20	774-1	.5	68°F
774-2	-17	774-2	.2	70°F
776-1	-18	776-1	.6	70°F
Blower Temp (deg F)	118°F	After Cooler Temp (deg F)	104°F	

Flow Rate (acfm)
165.29
104.33
180.94

Well_ID. Distance from well axis (ft)	Time	Shallow Vacuum (inch w.g.)	Medium Vacuum (inch w.g.)	Deep Vacuum (inch w.g.)

SSVM Vapor Monitoring Point Vacuum Measurements

Date:	9/18/14
conducted by:	KM

Site ID:	774/776		Patm (inch hg):	30.07	Flow Rate (acfm)
Vacuum Gauge:	Vacuum (inch w.g.)	Magnehelic Gauge:	Differential Pressure (inch w.g.)	Temperature (Deg F)	
774-1	-22	774-1	0.5	66	166.16
774-2	-18	774-2	0.15	68	90.71
776-1	-21	776-1	0.6	68	182.13
Blower Temp (deg F)	114	After Cooler Temp (deg F)	100		

Well_ID. Distance from well axis (ft)	Time	Shallow Vacuum (inch w.g.)	Medium Vacuum (inch w.g.)	Deep Vacuum (inch w.g.)

SSVM Vapor Monitoring Point Vacuum Measurements

Date:	9/26/14			
conducted by:	KM			
Site ID:	774/776		Patm (inch hg):	~~29.11.4~~ 30.30

Vacuum Gauge:	Vacuum (inch w.g.)	Magnehelic Gauge:	Differential Pressure (inch w.g.)	Temperature (Deg F)	Flow Rate (acfm)
774-1	-21	774-1	0.5	65	166.45
774-2	-18	774-2	0.2	68	105.16
776-1	-20	776-1	0.6	68	182.62
Blower Temp (deg F)	128	After Cooler Temp (deg F)	106		

Well_ID. Distance from well axis (ft)	Time	Shallow Vacuum (inch w.g.)	Medium Vacuum (inch w.g.)	Deep Vacuum (inch w.g.)

Appendix B

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Waste Inventory Tracking Form

Location: Buildings 774, 776, 785 and 786

Project Name: 1015-11-01 SVI

Activities: Spent Carbon Generation

Date	Activity Generating Waste (borehole # / well #)	Description of Waste	Field Evidence of Contamination	Estimated Volume (gals)	Type of Container (storage ID #)	Location of Container	Waste Characterization
19-Dec-11	SVE System (774, 776, 785 and 786)	Spent Carbon	Soil Vapor	220	55-gal drum	B774 and B786	Yes - Sampled on 08/13/13
23-Feb-12	SVE System (774, 776, 785 and 786)	Spent Carbon	Soil Vapor	220	55-gal drum	B774 and B786	Yes - Sampled on 08/13/13
23-Apr-12	SVE System (774, 776, 785 and 786)	Spent Carbon	Soil Vapor	220	55-gal drum	B774 and B786	Yes - Sampled on 08/13/13
5-Jul-12	SVE System (785 and 786)	Spent Carbon	Soil Vapor	110	55-gal drum	B786	Yes - Sampled on 08/13/13o
17-Jul-12	SVE System (774 and 776)	Spent Carbon	Soil Vapor	110	55-gal drum	B774	Yes - Sampled on 08/13/13
5-Sep-12	SVE System (774, 776, 785 and 786)	Spent Carbon	Soil Vapor	220	55-gal drum	B774 and B786	Yes - Sampled on 08/13/13
4-Dec-12	SVE System (774, 776, 785 and 786)	Spent Carbon	Soil Vapor	220	55-gal drum	B774 and B786	Yes - Sampled on 08/13/13
24-Apr-13	SVE System (774, 776, 785 and 786)	Spent Carbon	Soil Vapor	220	55-gal drum	B774 and B786	Yes - Sampled on 08/13/13
13-Sep-13	SVE System (774 and 776)	Spent Carbon	Soil Vapor	110	55-gal drum	B774	Yes – Sampled on 8/22/14
13-Jan-14	SVE System (774 and 776)	Spent Carbon	Soil Vapor	110	55-gal drum	B774	Yes – Sampled on 8/22/14
20-May-14	SVE System (774 and 776	Spent Carbon	Soil Vapor	110	55-gal drum	B774	Yes – Sampled on 8/22/14
24-Sept-14	SVE System (785 and 786)	Spent Carbon	Soil Vapor	110	55-gal drum	B785	Yes – Sampled on 10/14/14
14-Oct-14	SVE System (774 and 776	Spent Carbon	Soil Vapor	110	55-gal drum	B774	Yes – Sampled on 10/14/14

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

Comments : _____

_____

_____

_____

_____

Appendix C

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Daily Chemical Quality Control Report

Project/Delivery Order Number: FA8903-10-D-8595-0014 Date: 7/18/2014

Project Name/Site Number: Griffiss Building 785 and 786 sub-slab vapor Sampling.

Weather conditions: Average temperature: 73 Average barometric reading: 30.25
Wind direction and speed: West 7 mph
Significant wind changes: none.

General description of tasks completed: Building 785 and 786 Sub-slab vapor sampling at 785VMP-2, -4, -5, 786VMP-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: July 18, 2014

CQCC Signature: Cornelia R. van Hoesel Date: 7/19/14

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

WEATHER OBSERVATION FORM

LOCATION: B785 1726 - Griffiss

DATE: 7/18/14

FIELD PERSONNEL: KM/TS

INSTRUMENTS (model and serial number):

Thermometer: X

Anemometer: X

	Time (military)	Precip. (in)	Atmospheric pressure (in)	Temp. (Degrees F)	Wind (mph)	Comments
Prior to Sampling	0753	0.0	30.25	56	calm	Fair
Mid Day	1153	0.0	30.26	71	W7	Fair
	1253	0.0	30.25	73	W7	Fair
End of Sampling	1553	0.0	30.22	76	W7	Fair

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: 7/18/14 *Time :* 0850

Location: FPM office (sample room)

Weather Conditions: Fair / 53mph / 60°F / 30.27

Meeting Type: Daily Health and Safety

Personnel Present:
Trevor Schlosshafer, Katrina Mattice

Visitors Present: NA

Visitor Training: NA

PPE Required: Modified D

Possible risks, injuries, concerns:
Slip trips and falls.
Working in construction area.

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): Katrina Mattice

SSHP Organization Title: Site Safety and Health Officer

SUB-SLAB VAPOR PROBE MONITORING FORM

DATE: 7/18/14 TIME: 1340

SAMPLE IDENTIFICATION: 705VMP0202-AA/C

SAMPLE DEPTH: 5 1 ft below slab

FIELD PERSONNEL: KM ITS

INSTRUMENTS (model and serial number):

PUMP: RKI eagle O2 - 18.9 CO2 - 0 TVH - 0 ppm

CGI: X

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

SAMPLE PURGE VOLUME: 1 L

VOLUME OF SOIL VAPOR EXTRACTED: 0 L

SUMMA CANISTER: VACUUM BEFORE SAMPLING: -30 / -30

VACUUM AFTER SAMPLING: -4 / -1

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:

construction in bldg. dust from concrete / fuel gas

Weather conditions: Outdoor temperature: 73

Barometric pressure: 30.25

Precipitation: 0.0

Ventilation conditions: Good

Heating System Active? ☐ Yes ☒ No Indoor Air Temp: 73

Location in relation to sample location: open

Windows Closed? ☐ Yes ☒ No

SUB-SLAB VAPOR PROBE MONITORING FORM

DATE: 7/18/14 TIME: 1350

SAMPLE IDENTIFICATION: 785VMP050IJA

SAMPLE DEPTH: 1 ft below slab

FIELD PERSONNEL: RM / TS

INSTRUMENTS (model and serial number):

PUMP: RKI O2 18.9 CO2 0 TVH 30 ppm

CGI: X

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

SAMPLE PURGE VOLUME: 1L

VOLUME OF SOIL VAPOR EXTRACTED: 0L

SUMMA CANISTER: VACUUM BEFORE SAMPLING: -20

VACUUM AFTER SAMPLING: -2

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:

construction in bldg. - dust from heavy equipment / fuel gas

Weather conditions: Outdoor temperature: 73

Barometric pressure: 30.25

Precipitation: 0.0

Ventilation conditions: good

Heating System Active? ☐ Yes ☒ No Indoor Air Temp: 73

Location in relation to sample location: open

Windows Closed? ☐ Yes ☒ No

SUB-SLAB VAPOR PROBE MONITORING FORM

DATE: 7/18/14 TIME: 1400

SAMPLE IDENTIFICATION: 785 VMP04 01 LA-

SAMPLE DEPTH: 1 ft below slab

FIELD PERSONNEL: EMTS

INSTRUMENTS (model and serial number):

PUMP: RKI O2 16.1 CO_2 0.2 TVH-50ppm

CGI: X

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

SAMPLE PURGE VOLUME: 1L

VOLUME OF SOIL VAPOR EXTRACTED: 6L

SUMMA CANISTER: VACUUM BEFORE SAMPLING: >30

VACUUM AFTER SAMPLING: -4

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:

Construction in bldg - dust from equipment / fuel gas

Weather conditions: Outdoor temperature: 73

Barometric pressure: 30.25

Precipitation: 0.0

Ventilation conditions: good

Heating System Active? ☐ Yes ☒ No Indoor Air Temp: 73

Location in relation to sample location: open

Windows Closed? ☐ Yes ☒ No

SUB-SLAB VAPOR PROBE MONITORING FORM

DATE: 7/18/14 TIME: 1440

SAMPLE IDENTIFICATION: 786VMP0202LA

SAMPLE DEPTH: 1 ft bellow slab

FIELD PERSONNEL: KMFTS

INSTRUMENTS (model and serial number):

PUMP: LKI O_2-18.7 CO_2-0.2 TVH-0

CGI: X

TRACER GAS VERIFIED: X Yes ☐ No TRACER GAS CONC. (%): _____

SAMPLE PURGE VOLUME: 1L

VOLUME OF SOIL VAPOR EXTRACTED: 6L

SUMMA CANISTER: VACUUM BEFORE SAMPLING: >-30

VACUUM AFTER SAMPLING: -5

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:

Woven construction in bldg - concrete dust / fuel gas

Weather conditions: Outdoor temperature: 75

Barometric pressure: 30.23

Precipitation: 0.0

Ventilation conditions: good

Heating System Active? ☐ Yes X No Indoor Air Temp: 75

Location in relation to sample location: open

Windows Closed? ☐ Yes X No

SUB-SLAB VAPOR PROBE MONITORING FORM

DATE: 7/18/14 TIME: 1450

SAMPLE IDENTIFICATION: 786 VMP0302LA

SAMPLE DEPTH: 1 ft below slab

FIELD PERSONNEL: JM / TS

INSTRUMENTS (model and serial number):

PUMP: PKC O2 17.9 CO 2.08 TVH 25 ppm

CGI: X

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: >-30

VACUUM AFTER SAMPLING: -4

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:

Construction in bldg - concrete dust / fuel gas.

Weather conditions: Outdoor temperature: 75

Barometric pressure: 30.23

Precipitation: 0.0

Ventilation conditions: good

Heating System Active? ☐ Yes ☒ No Indoor Air Temp: 75

Location in relation to sample location: Open

Windows Closed? ☐ Yes ☒ No

SUB-SLAB VAPOR PROBE MONITORING FORM

DATE: 7/18/14 TIME: 1500

SAMPLE IDENTIFICATION: 736VMP01/02LA

SAMPLE DEPTH: 1 ft below slab

FIELD PERSONNEL: BM / TS

INSTRUMENTS (model and serial number):

PUMP: O2 - 17.8 CO 20 TVH - 20 ppm

CGI: X

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

SAMPLE PURGE VOLUME: 1 L

VOLUME OF SOIL VAPOR EXTRACTED: 6L

SUMMA CANISTER: VACUUM BEFORE SAMPLING: -30

VACUUM AFTER SAMPLING: -2

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:

construction in bldg - concrete dust / free soil

Weather conditions: Outdoor temperature: 75

Barometric pressure: 30.23

Precipitation: 0.0

Ventilation conditions: good

Heating System Active? ☐ Yes ☒ No Indoor Air Temp: 75

Location in relation to sample location: open

Windows Closed? ☐ Yes ☒ No

AFCEC
CHAIN OF CUSTODY RECORD

COC#: 1 SDG#: 1 Cooler ID: A

Ship to: Kathryn Kelly Test America - Burlington 30 Community Drive, Suite 11 South Burlington, VT 05403 Tel: (802)923-1027	Project Name: Griffiss AFB 1015-11-01 SVI Sampler Name: Katrina Mattice	Send Results to: Katrina Mattice FPM Remediations Inc 584 Phoenix Dr Rome, NY 13441
Carrier: Fedex	Sampler Signature: Katrina Mattice	Phone: (315) 336-7721 Ext 212

Analyses Requested

Field Sample ID	Location ID (LOCID)	Date 2014	Time	MATRIX	SMCODE	SBD/SED	SACODE	Start Vacuum (in Hg)	End Vacuum (in Hg)	No. of Containers	VOCs Note 1 6 L canister	ANALYSIS NOTE	Comments
786VMP0202LA	786VMP-2	7.18	1440	GS	AC	0/0	N	-30	-5	1	1	1	Can# 2545 Reg# 5594
786VMP0302LA	786VMP-3	7.18	450	GS	AC	0/0	N	-30	-4	1	1	1	Can# 4084 Reg# 5593
786VMP0102LA	786VMP-1	7.18	1500	GS	AC	0/0	N	-30	-2	1	1	1	Can# 4377 Reg# 5599
785IA13	785-IA	7.17	1020	GS	AC	0/0	N	-30	-10	1	1	1	Can #.5725 Reg# 4042
786IA12	786-IA	7.17	1030	GS	AC	0/0	N	-30	-9	1	1	1	can # 4348 Reg# 3223
785786OA09	785786-OA	7.17	1040	GS	AC	0/0	N	-30	-8	1	1	1	Can# 4292 Reg# 3996
785VMP0202MA	785VMP-2	7.18	1340	GS	AC	0/0	N	-30	-4	1	1	1	can# 5039 Reg# 5592
785VMP0501JA	785VMP-5	7.18	1350	GS	AC	0/0	N	-30	-2	1	1	1	Can# 5630 Reg# 5600
785VMP0401LA	785VMP-4	7.18	1400	GS	AC	0/0	N	-30	-4	1	1	1	Can# 5075 Reg #5595
785VMP0202MC	786VMP-2	7.18	1340	GS	AC	0/0	N	-30	-1	1	1	1	Can# 5647 Reg# 5823
~~TB~~	~~Trip Blank~~			~~GS~~	~~AC~~	~~0/0~~	~~T~~			1	1	1	

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.

280-58004 Chain of Custody

#1 Released by: (Sig) Katrina Mattice	Date: 7/18/14	#2 Released by: (Sig)	Date:	#3 Released by: (Sig)	Date:
Company Name: FPM	Time: 1700	Company Name: FPM Remediations Inc	Time:	Company Name:	Time:
#1 Received by: (Sig)	Date:	#2 Received by: (Sig)	Date: 7/21/14	#3 Received by: (Sig)	Date:
Company Name: FPM Remediations Inc	Time:	Company Name: TAS	Time: 1400	Company Name:	Time:

Daily Chemical Quality Control Report

Project/Delivery Order Number: FA8903-10-D-8595-0014 Date: 7/17/2014

Project Name/Site Number: Griffiss Building 774 and 776 Indoor, Outdoor Air, and sub-slab vapor Sampling. Griffiss Building 785 and 786 indoor and outdoor air sampling.

Weather conditions: Average temperature: 66 Average barometric reading: 30.05
Wind direction and speed: West 7 mph
Significant wind changes: gusts of 10 mph.

General description of tasks completed: Building 774/776 and 785/786 Indoor, Outdoor Air. Sub-slab vapor sampling at 774VMP-1, -2, -3, 776VMP-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: July 17, 2014

CQCC Signature: Concetta R. Hoes Date: 7/17/14

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

WEATHER OBSERVATION FORM

LOCATION: Griffiss B774/776

DATE: 7/17/14

FIELD PERSONNEL: KM/KW

INSTRUMENTS (model and serial number):

Thermometer: X

Anemometer: X

	Time (military)	Precip. (in)	Atmospheric pressure (in)	Temp. (degrees F)	Wind (mph)	Comments
Prior to Sampling	0753	0.0	30.01	58	calm	overcast
Mid Day	1153	0.0	30.04	66	W10	overcast
	1253	0.0	30.03	68	Vrbl 7	mostly cloudy
End of Sampling	1653	0.0	30.05	68	W10	mostly cloudy.

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: 7/17/14 *Time:* 0830

Location: FPM office (sample room)

Weather Conditions: calm/overcast/58°F/30.01 in Hg

Meeting Type: Daily Health and Safety

Personnel Present:
Karl Wilhelmsen, Katrina Mathea

Visitors Present: NA

Visitor Training: NA

PPE Required: Modified D

Possible risks, injuries, concerns:
Slip trips falls.

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): Katrina Mathea

SSHP Organization Title: Site Safety and Health Officer

INDOOR/OUTDOOR AIR MONITORING FORM

DATE: 7/17/14 TIME: 0840

SAMPLE IDENTIFICATION: 774FAILA

SAMPLE DEPTH: 5 ft above Grade

FIELD PERSONNEL: KM / KW

INSTRUMENTS (model and serial number):

PUMP: O2 - 20.9 CO_2 - 0% 791 = 10 ppm (RKI)

CGI: X

TYPE OF SAMPLE: [X] INDOOR [ ] OUTDOOR

DURATION OF AIR SAMPLING: 8 hr

VOLUME OF AIR SAMPLED: 6 L

SUMMA CANISTER: VACUUM BEFORE SAMPLING: -28

VACUUM AFTER SAMPLING: -8

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

Dry

VOCs used during normal operations of facility: Refrigerants, Solvents

Weather conditions: Outdoor temperature: 62

Barometric pressure: 30.02

Precipitation: 0.0

Ventilation conditions: good

Heating System Active? [X] Yes [ ] No Indoor Air Temp.: 70

Location in relation to sample location: Outside of Room

Windows Closed? [X] Yes [ ] No in hallway (larger room)

INDOOR/OUTDOOR AIR MONITORING FORM

DATE: 7/17/14 TIME: 0850

SAMPLE IDENTIFICATION: 776EA-LLP

SAMPLE DEPTH: 5 ft above grade

FIELD PERSONNEL: KW / KW

INSTRUMENTS (model and serial number):

PUMP: RKI O2 - 20.9 LEL - 0% TVH ~ 10 ppm

CGI: X

TYPE OF SAMPLE: X INDOOR ☐ OUTDOOR

DURATION OF AIR SAMPLING: 8 hr

VOLUME OF AIR SAMPLED: 6 L

SUMMA CANISTER: VACUUM BEFORE SAMPLING: -30

VACUUM AFTER SAMPLING: -10

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

DRY

VOCs used during normal operations of facility: Solvents, refrigerants (cleaning purposes)

Weather conditions: Outdoor temperature: 62

Barometric pressure: 30.02

Precipitation: 0.0

Ventilation conditions: good

Heating System Active? X Yes ☐ No Indoor Air Temp.: 70

Location in relation to sample location: above

Windows Closed? X Yes ☐ No

INDOOR/OUTDOOR AIR MONITORING FORM

DATE: 7/10/19 TIME: 0900

SAMPLE IDENTIFICATION: 74716 OA/LA

SAMPLE DEPTH: 5 ft above grade

FIELD PERSONNEL: KWH / KW

INSTRUMENTS (model and serial number):

PUMP: RKI O2 - 20.9% CO2 - 0% TVH = 0 ppm

CGI: X

TYPE OF SAMPLE: ☐ INDOOR ☒ OUTDOOR

DURATION OF AIR SAMPLING: ~~28~~ 8hr

VOLUME OF AIR SAMPLED: ~~8~~ 6 L

SUMMA CANISTER: VACUUM BEFORE SAMPLING: -28

VACUUM AFTER SAMPLING: -8

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

Dry

VOCs used during normal operations of facility: outdoor - fuel gas

Weather conditions: Outdoor temperature: 62

Barometric pressure: 30.02

Precipitation: 0.0

Ventilation conditions: NA

Heating System Active? ☐ Yes ☐ No Indoor Air Temp.: NA

Location in relation to sample location: NA

Windows Closed? ☐ Yes ☐ No

SUB-SLAB VAPOR PROBE MONITORING FORM

DATE: 7/17/19 TIME: 0915

SAMPLE IDENTIFICATION: 774VMP010IKIA

SAMPLE DEPTH: 1 ft below slab

FIELD PERSONNEL: KM/KW

INSTRUMENTS (model and serial number):

PUMP: PKI eagle O_2 - 20.9 CO_2-0 TVH-0 ppm

CGI: X

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

SAMPLE PURGE VOLUME: 1L

VOLUME OF SOIL VAPOR EXTRACTED: 6L

SUMMA CANISTER: VACUUM BEFORE SAMPLING: -29.5

VACUUM AFTER SAMPLING: -5

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, refrigerants

Weather conditions: Outdoor temperature: 62

Barometric pressure: 30.02

Precipitation: 0.0

Ventilation conditions: OK

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

Location in relation to sample location: above

Windows Closed? ☒ Yes ☐ No

clm # 2679 Reg # 5596

SUB-SLAB VAPOR PROBE MONITORING FORM

DATE: 7·17·19 TIME: 0925

SAMPLE IDENTIFICATION: 774VMP02-01KM

SAMPLE DEPTH: 1 ft below slab

FIELD PERSONNEL: KM / KW

INSTRUMENTS (model and serial number):

PUMP: RKI eagle O2 20.9 CO2 0% TVH 10ppm

CGI: X

TRACER GAS VERIFIED: ☐ Yes ☐ X TRACER GAS CONC. (%): _____

SAMPLE PURGE VOLUME: 1L

VOLUME OF SOIL VAPOR EXTRACTED: 6L

SUMMA CANISTER: VACUUM BEFORE SAMPLING: -35 (>30)

VACUUM AFTER SAMPLING: -5

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:

Refrigerants / Solvents

Weather conditions: Outdoor temperature: 102

Barometric pressure: 30.02

Precipitation: 0.0

Ventilation conditions: Good

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

Location in relation to sample location: above

Windows Closed? X Yes ☐ No

CLN # 3338 Rec, # 5820

SUB-SLAB VAPOR PROBE MONITORING FORM

DATE: 7/17/14 TIME: 0935

SAMPLE IDENTIFICATION: 774VMP03D1KA

SAMPLE DEPTH: 1 ft below slab

FIELD PERSONNEL:

INSTRUMENTS (model and serial number):

PUMP: RKI eagle O_2-20.9 CO_2-0 TVH-10ppm

CGI: X

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

SAMPLE PURGE VOLUME: 1L

VOLUME OF SOIL VAPOR EXTRACTED: 6L

SUMMA CANISTER: VACUUM BEFORE SAMPLING: -30

VACUUM AFTER SAMPLING: -2

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:

refrigerants, solvents

Weather conditions: Outdoor temperature: 62

Barometric pressure: 30.02

Precipitation: no

Ventilation conditions: good

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

Location in relation to sample location: above

Windows Closed? ☒ Yes ☐ No

Can # 5719 Reg # 5818

SUB-SLAB VAPOR PROBE MONITORING FORM

DATE: 7/17/14 TIME: 1150

SAMPLE IDENTIFICATION: 776VMP0201 A/C

SAMPLE DEPTH: 1 ft below slab

FIELD PERSONNEL: KM/EW

INSTRUMENTS (model and serial number):

PUMP: RKI eagle O_2 20.9% CO 0.0% TVH <0ppm

CGI: X

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: -30 / -30

VACUUM AFTER SAMPLING: -5 / -5

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:

refrigerants / fuel gas

Weather conditions: Outdoor temperature: 66

Barometric pressure: 30.04

Precipitation: 0.0

Ventilation conditions: good

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

Location in relation to sample location: above

Windows Closed? ☒ Yes ☐ No

SUB-SLAB VAPOR PROBE MONITORING FORM

DATE: 7/17/14 TIME: 1200

SAMPLE IDENTIFICATION: 776 VMP01 01KA

SAMPLE DEPTH: 1 ft below slab

FIELD PERSONNEL: VM / KM

INSTRUMENTS (model and serial number):

PUMP: RKI eagle O2-20.9 CO2-0 TVH-0ppm

CGI: X

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

SAMPLE PURGE VOLUME: 1L

VOLUME OF SOIL VAPOR EXTRACTED: 6L

SUMMA CANISTER: VACUUM BEFORE SAMPLING: -30

VACUUM AFTER SAMPLING: -5

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:

refrigerants, solvents

Weather conditions: Outdoor temperature: 66

Barometric pressure: 30.04

Precipitation: 0.0

Ventilation conditions: good

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

Location in relation to sample location: above

Windows Closed? ☒ Yes ☐ No

SUB-SLAB VAPOR PROBE MONITORING FORM

DATE: 7/17/14 TIME: 1210

SAMPLE IDENTIFICATION: T76VMP0201KA

SAMPLE DEPTH: 1 ft below slab

FIELD PERSONNEL: KM / KW

INSTRUMENTS (model and serial number):

PUMP: RKI eagle O2-20.9 CO2-0 TVH-0ppm

CGI: X0

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

SAMPLE PURGE VOLUME: 1L

VOLUME OF SOIL VAPOR EXTRACTED: 6L

SUMMA CANISTER: VACUUM BEFORE SAMPLING: -30

VACUUM AFTER SAMPLING: -5

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:

refrigerants / solvents.

Weather conditions: Outdoor temperature: 66

Barometric pressure: 30.04

Precipitation: 0.0

Ventilation conditions: Good

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

Location in relation to sample location: above

Windows Closed? ☒ Yes ☐ No

INDOOR/OUTDOOR AIR MONITORING FORM

DATE: 7/17/14 TIME: 1020

SAMPLE IDENTIFICATION: 78517-13

SAMPLE DEPTH: 5 ft above Grade

FIELD PERSONNEL: KM / KW

INSTRUMENTS (model and serial number):

PUMP: RKI 02-20.9 CO20 TVH -0ppm

CGI: X

TYPE OF SAMPLE: X INDOOR ☐ OUTDOOR

DURATION OF AIR SAMPLING: 8hr

VOLUME OF AIR SAMPLED: 4 L

SUMMA CANISTER: VACUUM BEFORE SAMPLING: -30

VACUUM AFTER SAMPLING: -10

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

Dry

VOCs used during normal operations of facility: Construction in bldg
Fuel gas, dust - concrete.

Weather conditions: Outdoor temperature: 60

Barometric pressure: 30.02

Precipitation: 0.00

Ventilation conditions: OK

Heating System Active? ~~X~~ Yes, X No Indoor Air Temp.: 70

Location in relation to sample location: windows/hangar

Windows Closed? ☐ Yes X No wide open

INDOOR/OUTDOOR AIR MONITORING FORM

DATE: 7/17/14 TIME: 1030

SAMPLE IDENTIFICATION: 786IA12

SAMPLE DEPTH: 5 ft above grade

FIELD PERSONNEL: [illegible]

INSTRUMENTS (model and serial number):

PUMP: RKI O2 - 20.9 CO2 0 TVH 0

CGI: X

TYPE OF SAMPLE: ☒ INDOOR ☐ OUTDOOR

DURATION OF AIR SAMPLING: 8hr

VOLUME OF AIR SAMPLED: 6L

SUMMA CANISTER: VACUUM BEFORE SAMPLING: >-30

VACUUM AFTER SAMPLING: -9

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

dry

VOCs used during normal operations of facility: Construction in bldg. Fuel gas, concrete dust.

Weather conditions: Outdoor temperature: 60

Barometric pressure: 30.02

Precipitation: 0.0

Ventilation conditions: OK

Heating System Active? ☐ Yes ☒ No Indoor Air Temp.: 60

Location in relation to sample location: windows/ hangar

Windows Closed? ☐ Yes ☒ No wide open

INDOOR/OUTDOOR AIR MONITORING FORM

DATE: 7/17/14 TIME: 1090

SAMPLE IDENTIFICATION: 785786 OA#9

SAMPLE DEPTH: 5 ft above grade

FIELD PERSONNEL: KM / KW

INSTRUMENTS (model and serial number):

PUMP: LEL 02-0 CO2-0 TVH-0

CGI: X

TYPE OF SAMPLE: ☐ INDOOR ☒ OUTDOOR

DURATION OF AIR SAMPLING: 8hr

VOLUME OF AIR SAMPLED: 6L

SUMMA CANISTER: VACUUM BEFORE SAMPLING: -30

VACUUM AFTER SAMPLING: -8

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

Dry

VOCs used during normal operations of facility:

Construction in bldg

Weather conditions: Outdoor temperature: 60

Barometric pressure: 30.02

Precipitation: 0.0

Ventilation conditions: OK

Heating System Active? ☐ Yes ☒ No Indoor Air Temp.: 60

Location in relation to sample location: Outdoors

Windows Closed? ☐ Yes ☒ No

AFCEC
CHAIN OF CUSTODY RECORD

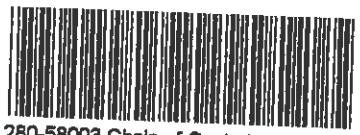
COC#: 1 SDG#: 1 Cooler ID: A

Ship to: Kathryn Kelly Test America - Burlington 30 Community Drive, Suite 11 South Burlington, VT 05403 Tel: (802)923-1027	Project Name: Griffiss AFB 1015-11-01 SVI Sampler Name: Katrina Mattice	Send Results to: Katrina Mattice FPM Remediations Inc 584 Phoenix Dr Rome, NY 13441 Phone: (315) 336-7721 Ext 212
Carrier: Fedex	Sampler Signature: K Mattice	

Analyses Requested

Field Sample ID	Location ID (LOCID)	Date 2014	Time	MATRIX	SMCODE	SBD/SED	SACODE	Start Vacuum (in Hg)	End Vacuum (in Hg)	No. of Containers	VOCs Note 1 6 L canister	ANALYSIS NOTE	Comments
774VMP0101KA	774VMP-1	7.17	0915	GS	AC	0/0	N	-29.5	-5	1	1	1	Can# 2679 Reg#5596
774VMP0201KA	774VMP-2	7.17	0925	GS	AC	0/0	N	-30	-5	1	1	1	can # 3338 Reg#5820
774VMP0301KA	774VMP-3	7.17	0935	GS	AC	0/0	N	-30	-2	1	1	1	can# 5719 Reg# 5818
776VMP0201KC	776VMP-2	7.17	1150	GS	AC	0/0	N	-30	-5	1	1	1	can# 4378 Reg# 5817
776VMP0101KA	776VMP-1	7.17	1200	GS	AC	0/0	N	-30	-5	1	1	1	Can# 5022 Reg# 5821
776VMP0201KA	776VMP-2	7.17	1150	GS	AC	0/0	N	-30	-5	1	1	1	Can# 3243 Reg#5822
776VMP0301KA	776VMP-3	7.17	1210	GS	AC	0/0	N	-30	-5	1	1	1	Can# 5731 Reg #5816
774IA1LA	774-IA	7.17	0840	GS	AC	0/0	N	-28	-6	1	1	1	can# 5420 Reg # 5183
774776OA1LA	774776-OA	7.17	0900	GS	AC	0/0	N	-28	-6	1	1	1	Can# 5129 Reg# 5200
776IA1LA	776-IA	7.17	0850	GS	AC	0/0	N	-30	-10	1	1	1	can # 3010 Reg# 5187

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) K Mattice	Date: 7/18/14	#2 Released by: (Sig)	Date:	#3 Released by: (Sig)			
Company Name: FPM	Time: 1705	Company Name: FPM Remediations Inc	Time:	Company Name:	Time:		
#1 Received by: (Sig)	Date:	#2 Received by: (Sig) Scott Z	Date: 7/21/14	#3 Received by: (Sig)	Date:		
Company Name: FPM Remediations Inc	Time:	Company Name: TAS	Time: 1400	Company Name:	Time:		

AFCEC
CHAIN OF CUSTODY RECORD

COC#: 1 SDG#: 1 Cooler ID: A

Ship to: Kathryn Kelly Test America - Burlington 30 Community Drive, Suite 11 South Burlington, VT 05403 Tel: (802)923-1027	Project Name: Griffiss AFB 1015-11-01 SVI Sampler Name: Katrina Mattice	Send Results to: Katrina Mattice FPM Remediations Inc 584 Phoenix Dr Rome, NY 13441 Phone: (315) 336-7721 Ext 212
Carrier: Fedex	Sampler Signature: Kath Mattice	

Analyses Requested

Field Sample ID	Location ID (LOCID)	Date 2014	Time	MATRIX	SMCODE	SBD/SED	SACODE	Start Vacuum (in Hg)	End Vacuum (in Hg)	No. of Containers	VOCs Note 1 6 L canister	ANALYSIS NOTE	Comments
774776CA01KA	774776-Influent	7-16	1145	GS	AC	0/0	N	X	X	1	1	1	Can# 5619, Reg# 5585

Sample Condition Upon Receipt at Laboratory:

Cooler Temperature:

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) Katrina Mattice	Date: 7/18/14	#2 Released by: (Sig)	Date:	#3 Released by: (Sig)	Date:
Company Name: FPM	Time: 1700	Company Name: FPM Remediations Inc	Time:	Company Name:	Time:
#1 Received by: (Sig)	Date:	#2 Received by: (Sig)	Date: 7/21/14	#3 Received by: (Sig)	Date:
Company Name: FPM Remediations Inc	Time:	Company Name: TAS	Time: 1400	Company Name:	Time:

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
SP = Submersible Pump
AC = Air Container

SACODE
N = Normal Sample
AB = Ambient Blank
TB = Trip Blank
EB = Equipment Blank
FD = Field Duplicate
MS = Matrix Spike
SD = Matrix Spike Duplicate

Appendix D

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TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 280-58004-1

Job Description: Griffiss AFB 1015-11-01 SVI

For:
FPM Remediations Inc
584 Phoenix Drive
Rome, NY 13441

Attention: Daniel Baldyga

Approved for release.
Elaine M Walker
Project Manager II
8/8/2014 12:51 PM

Elaine M Walker, Project Manager II
4955 Yarrow Street, Arvada, CO, 80002
(303)736-0156
elaine.walker@testamericainc.com
08/08/2014

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.

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CASE NARRATIVE
Client: FPM Remediations Inc
Project: Griffiss AFB 1015-11-01 SVI
Report Number: 280-58004-1

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

Ten samples were received at TestAmerica Burlington on 07/21/2014; the samples arrived in good condition.

VOLATILE ORGANIC COMPOUNDS (GC/MS) - TO-15

Samples 786VMP0202LA (280-58004-1), 786VMP0302LA (280-58004-2), 786VMP0102LA (280-58004-3), 785IA13 (280-58004-4), 786IA12 (280-58004-5), 785786OA09 (280-58004-6), 785VMP0202MA (280-58004-7), 785VMP0501JA (280-58004-8), 785VMP0401LA (280-58004-9) and 785VMP0202MC (280-58004-10) were analyzed for volatile organic compounds in accordance with TO-15. The samples were analyzed on 07/23/2014, 07/24/2014, 08/05/2014, 08/06/2014 and 08/07/2014.

1,2,4-Trichlorobenzene, 1,2-Dichlorobenzene, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene and Hexachlorobutadiene were detected in method blank MB 200-75709/4 at levels that were above the method detection limits but below the reporting limits. The values should be considered estimates, and have been flagged “J”. However, because the result concentrations were less than ½ the respective reporting limits, no corrective action was necessary.

Samples 786VMP0202LA (280-58004-1), 786VMP0102LA (280-58004-3), 785VMP0202MA (280-58004-7), 785VMP0501JA (280-58004-8) and 785VMP0401LA (280-58004-9) required dilutions prior to analysis. The reporting limits have been adjusted accordingly.

The continuing calibration verification (CCV) associated with batch 200-75211 recovered above the upper control limit for Napthalene. The samples associated with this CCV were non-detect for the affected analyte; therefore, the data have been reported. The following sample is impacted: 785786OA09 (280-58004-6).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Instrument ID: CHC.i Analysis Batch Number: 75021

Lab Sample ID: IC 200-75021/3 Client Sample ID:

Date Analyzed: 07/17/14 12:55 Lab File ID: 8605_003.D GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Trichloroethene	13.04	Baseline Event	daiglep	07/17/14 15:53
Tetrachloroethene	16.78	Baseline Event	daiglep	07/18/14 11:14

Lab Sample ID: IC 200-75021/4 Client Sample ID:

Date Analyzed: 07/17/14 13:48 Lab File ID: 8605_004.D GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Isopentane	4.86	Peak not found by the data system	desjardin sb	07/18/14 08:08
Ethanol	5.97	Baseline Event	daiglep	07/18/14 11:21
Ethyl ether	6.02	Baseline Event	daiglep	07/18/14 11:21
Acetonitrile	7.46	Baseline Event	daiglep	07/18/14 11:21
Methyl tert-butyl ether	8.03	Baseline Event	daiglep	07/18/14 11:21
Acrylonitrile	8.22	Baseline Event	desjardin sb	07/18/14 08:08
1,1-Dichloroethane	8.94	Peak not found by the data system	daiglep	07/18/14 11:21
Vinyl acetate	9.04	Peak not found by the data system	daiglep	07/18/14 11:21
cis-1,2-Dichloroethene	10.08	Baseline Event	desjardin sb	07/18/14 08:08
Chloroform	10.70	Baseline Event	desjardin sb	07/18/14 08:08
Cyclohexane	10.91	Baseline Event	desjardin sb	07/18/14 08:08
n-Heptane	12.06	Baseline Event	daiglep	07/18/14 11:21
Trichloroethene	13.03	Baseline Event	daiglep	07/18/14 11:21
1,2-Dichloropropane	13.60	Baseline Event	desjardin sb	07/18/14 08:08
n-Octane	15.77	Baseline Event	daiglep	07/18/14 11:21
Tetrachloroethene	16.78	Baseline Event	daiglep	07/18/14 11:21

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Instrument ID: CHC.i Analysis Batch Number: 75021

Lab Sample ID: IC 200-75021/4 Client Sample ID:

Date Analyzed: 07/17/14 13:48 Lab File ID: 8605_004.D GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
n-Nonane	18.95	Peak not found by the data system	daiglep	07/18/14 11:21
n-Decane	21.48	Peak not found by the data system	daiglep	07/18/14 11:21
Naphthalene	26.30	Baseline Event	desjardin sb	07/18/14 08:08
1,2,3-Trichlorobenzene	26.76	Peak not found by the data system	daiglep	07/18/14 11:21

Lab Sample ID: IC 200-75021/18 Client Sample ID:

Date Analyzed: 07/18/14 09:36 Lab File ID: 8605_018.D GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Ethyl ether	6.01	Peak not found by the data system	daiglep	07/18/14 11:25
Acrolein	6.42	Peak not found by the data system	daiglep	07/18/14 11:25
Isopropyl alcohol	7.09	Peak not found by the data system	daiglep	07/18/14 11:25
1,1,1-Trichloroethane	10.96	Baseline Event	daiglep	07/18/14 11:25

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Instrument ID: CHC.i Analysis Batch Number: 75599

Lab Sample ID: 280-58004-2 Client Sample ID: 786VMP0302LA

Date Analyzed: 08/05/14 07:07 Lab File ID: 8834_026.D GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Freon TF	6.43	Baseline Event	desjardin sb	08/05/14 08:50

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Instrument ID: CHC.i Analysis Batch Number: 75651

Lab Sample ID: 280-58004-10 Client Sample ID: 785VMP0202MC

Date Analyzed: 08/05/14 16:39 Lab File ID: 8862_009.D GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methyl Butyl Ketone (2-Hexanone)	17.15	Baseline Event	desjardin sb	08/06/14 07:25

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Instrument ID: CHG.i Analysis Batch Number: 74492

Lab Sample ID: IC 200-74492/4 Client Sample ID:

Date Analyzed: 07/02/14 17:44 Lab File ID: 8394_004.D GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Cyclohexane	10.77	Baseline Event	daiglep	07/03/14 11:48

Lab Sample ID: IC 200-74492/5 Client Sample ID:

Date Analyzed: 07/02/14 18:35 Lab File ID: 8394_005.D GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Cyclohexane	10.78	Baseline Event	daiglep	07/03/14 11:49

Lab Sample ID: IC 200-74492/10 Client Sample ID:

Date Analyzed: 07/02/14 22:50 Lab File ID: 8394_010.D GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Ethanol	5.75	Baseline Event	daiglep	07/03/14 11:56
Ethyl ether	5.81	Baseline Event	daiglep	07/03/14 11:56

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Instrument ID: CHG.i Analysis Batch Number: 75167

Lab Sample ID: 280-58004-4 Client Sample ID: 785IA13

Date Analyzed: 07/23/14 05:31 Lab File ID: 8660_024.D GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Freon TF	6.23	Baseline Event	daiglep	07/23/14 12:08

Lab Sample ID: 280-58004-5 Client Sample ID: 786IA12

Date Analyzed: 07/23/14 08:38 Lab File ID: 8660_027.D GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
m,p-Xylene	19.07	Baseline Event	daiglep	07/23/14 12:21
Xylene, o-	19.91	Baseline Event	daiglep	07/23/14 12:21

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Instrument ID: CHW.i Analysis Batch Number: 73568

Lab Sample ID: IC 200-73568/16 Client Sample ID:

Date Analyzed: 06/14/14 23:41 Lab File ID: 8058_016.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Trichloroethene	15.20	Baseline Event	daiglep	06/16/14 09:53

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Instrument ID: CHW.i Analysis Batch Number: 75709

Lab Sample ID: 280-58004-3 Client Sample ID: 786VMP0102LA

Date Analyzed: 08/06/14 16:10 Lab File ID: 8889_006.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Cyclohexane	13.26	Baseline Event	lyonsb	08/07/14 09:47

Lab Sample ID: 280-58004-1 Client Sample ID: 786VMP0202LA

Date Analyzed: 08/06/14 19:24 Lab File ID: 8889_010.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
cis-1,2-Dichloroethene	12.37	Baseline Event	lyonsb	08/07/14 09:51

Lab Sample ID: 280-58004-8 Client Sample ID: 785VMP0501JA

Date Analyzed: 08/07/14 08:39 Lab File ID: 8889_026.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chloroform	12.96	Baseline Event	lyonsb	08/07/14 09:54

SAMPLE SUMMARY

Client: FPM Remediations Inc

Job Number: 280-58004-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
280-58004-1	786VMP0202LA	Air	07/18/2014 1440	07/21/2014 1400
280-58004-2	786VMP0302LA	Air	07/18/2014 1450	07/21/2014 1400
280-58004-3	786VMP0102LA	Air	07/18/2014 1500	07/21/2014 1400
280-58004-4	785IA13	Air	07/17/2014 1020	07/21/2014 1400
280-58004-5	786IA12	Air	07/17/2014 1030	07/21/2014 1400
280-58004-6	785786OA09	Air	07/17/2014 1040	07/21/2014 1400
280-58004-7	785VMP0202MA	Air	07/18/2014 1340	07/21/2014 1400
280-58004-8	785VMP0501JA	Air	07/18/2014 1350	07/21/2014 1400
280-58004-9	785VMP0401LA	Air	07/18/2014 1400	07/21/2014 1400
280-58004-10	785VMP0202MC	Air	07/18/2014 1340	07/21/2014 1400

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-58004-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-58004-1	**786VMP0202LA**					
Dichlorodifluoromethane		0.60	J D	2.0	ppb v/v	TO-15
Dichlorodifluoromethane		3.0	J D	9.9	ug/m3	TO-15
Freon 22		0.29	J D	2.0	ppb v/v	TO-15
Freon 22		1.0	J D	7.1	ug/m3	TO-15
Trichlorofluoromethane		0.33	J D	0.80	ppb v/v	TO-15
Trichlorofluoromethane		1.9	J D	4.5	ug/m3	TO-15
Freon TF		0.30	J D	0.80	ppb v/v	TO-15
Freon TF		2.3	J D	6.1	ug/m3	TO-15
Carbon disulfide		0.34	J D	2.0	ppb v/v	TO-15
Carbon disulfide		1.1	J D	6.2	ug/m3	TO-15
cis-1,2-Dichloroethene		0.23	J D M	0.80	ppb v/v	TO-15
cis-1,2-Dichloroethene		0.90	J D M	3.2	ug/m3	TO-15
Chloroform		33	D	0.80	ppb v/v	TO-15
Chloroform		160	D	3.9	ug/m3	TO-15
Tetrahydrofuran		0.43	J D	20	ppb v/v	TO-15
Tetrahydrofuran		1.3	J D	59	ug/m3	TO-15
1,1,1-Trichloroethane		2.6	D	0.80	ppb v/v	TO-15
1,1,1-Trichloroethane		14	D	4.4	ug/m3	TO-15
Benzene		0.15	J D	0.80	ppb v/v	TO-15
Benzene		0.49	J D	2.6	ug/m3	TO-15
Trichloroethene		76	D	0.80	ppb v/v	TO-15
Trichloroethene		410	D	4.3	ug/m3	TO-15
Bromodichloromethane		0.31	J D	0.80	ppb v/v	TO-15
Bromodichloromethane		2.1	J D	5.4	ug/m3	TO-15
Toluene		0.16	J D	0.80	ppb v/v	TO-15
Toluene		0.59	J D	3.0	ug/m3	TO-15
Tetrachloroethene		0.24	J D	0.80	ppb v/v	TO-15
Tetrachloroethene		1.6	J D	5.4	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-58004-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-58004-2	**786VMP0302LA**					
Dichlorodifluoromethane		0.71		0.50	ppb v/v	TO-15
Dichlorodifluoromethane		3.5		2.5	ug/m3	TO-15
Freon 22		0.37	J	0.50	ppb v/v	TO-15
Freon 22		1.3	J	1.8	ug/m3	TO-15
Chloromethane		0.23	J	0.50	ppb v/v	TO-15
Chloromethane		0.47	J	1.0	ug/m3	TO-15
n-Butane		0.41	J	0.50	ppb v/v	TO-15
n-Butane		0.97	J	1.2	ug/m3	TO-15
Trichlorofluoromethane		0.35		0.20	ppb v/v	TO-15
Trichlorofluoromethane		2.0		1.1	ug/m3	TO-15
Freon TF		0.088	J M	0.20	ppb v/v	TO-15
Freon TF		0.67	J M	1.5	ug/m3	TO-15
Acetone		18		5.0	ppb v/v	TO-15
Acetone		44		12	ug/m3	TO-15
Isopropyl alcohol		30		5.0	ppb v/v	TO-15
Isopropyl alcohol		73		12	ug/m3	TO-15
Carbon disulfide		4.8		0.50	ppb v/v	TO-15
Carbon disulfide		15		1.6	ug/m3	TO-15
Methylene Chloride		0.39	J	0.50	ppb v/v	TO-15
Methylene Chloride		1.3	J	1.7	ug/m3	TO-15
tert-Butyl alcohol		5.6		5.0	ppb v/v	TO-15
tert-Butyl alcohol		17		15	ug/m3	TO-15
Methyl tert-butyl ether		0.48		0.20	ppb v/v	TO-15
Methyl tert-butyl ether		1.7		0.72	ug/m3	TO-15
n-Hexane		0.55		0.20	ppb v/v	TO-15
n-Hexane		1.9		0.70	ug/m3	TO-15
1,1-Dichloroethane		0.14	J	0.20	ppb v/v	TO-15
1,1-Dichloroethane		0.57	J	0.81	ug/m3	TO-15
Methyl Ethyl Ketone		3.9		0.50	ppb v/v	TO-15
Methyl Ethyl Ketone		11		1.5	ug/m3	TO-15
Chloroform		0.29		0.20	ppb v/v	TO-15
Chloroform		1.4		0.98	ug/m3	TO-15
Tetrahydrofuran		3.9	J	5.0	ppb v/v	TO-15
Tetrahydrofuran		12	J	15	ug/m3	TO-15
1,1,1-Trichloroethane		0.35		0.20	ppb v/v	TO-15
1,1,1-Trichloroethane		1.9		1.1	ug/m3	TO-15
Cyclohexane		1.1		0.20	ppb v/v	TO-15
Cyclohexane		3.7		0.69	ug/m3	TO-15
Carbon tetrachloride		0.071	J	0.20	ppb v/v	TO-15
Carbon tetrachloride		0.45	J	1.3	ug/m3	TO-15
2,2,4-Trimethylpentane		0.49		0.20	ppb v/v	TO-15
2,2,4-Trimethylpentane		2.3		0.93	ug/m3	TO-15
Benzene		1.1		0.20	ppb v/v	TO-15
Benzene		3.5		0.64	ug/m3	TO-15
n-Heptane		0.54		0.20	ppb v/v	TO-15
n-Heptane		2.2		0.82	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-58004-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
Trichloroethene		38		0.20	ppb v/v	TO-15
Trichloroethene		200		1.1	ug/m3	TO-15
Methyl methacrylate		0.81		0.50	ppb v/v	TO-15
Methyl methacrylate		3.3		2.0	ug/m3	TO-15
methyl isobutyl ketone		0.53		0.50	ppb v/v	TO-15
methyl isobutyl ketone		2.2		2.0	ug/m3	TO-15
Toluene		4.9		0.20	ppb v/v	TO-15
Toluene		19		0.75	ug/m3	TO-15
Tetrachloroethene		1.3		0.20	ppb v/v	TO-15
Tetrachloroethene		8.5		1.4	ug/m3	TO-15
Chlorobenzene		0.65		0.20	ppb v/v	TO-15
Chlorobenzene		3.0		0.92	ug/m3	TO-15
Ethylbenzene		1.5		0.20	ppb v/v	TO-15
Ethylbenzene		6.4		0.87	ug/m3	TO-15
m,p-Xylene		3.9		0.50	ppb v/v	TO-15
m,p-Xylene		17		2.2	ug/m3	TO-15
Xylene, o-		1.2		0.20	ppb v/v	TO-15
Xylene, o-		5.2		0.87	ug/m3	TO-15
Xylene (total)		5.1		0.20	ppb v/v	TO-15
Xylene (total)		22		0.87	ug/m3	TO-15
Styrene		0.71		0.20	ppb v/v	TO-15
Styrene		3.0		0.85	ug/m3	TO-15
Cumene		0.23		0.20	ppb v/v	TO-15
Cumene		1.1		0.98	ug/m3	TO-15
n-Propylbenzene		0.46		0.20	ppb v/v	TO-15
n-Propylbenzene		2.3		0.98	ug/m3	TO-15
4-Ethyltoluene		0.43		0.20	ppb v/v	TO-15
4-Ethyltoluene		2.1		0.98	ug/m3	TO-15
1,3,5-Trimethylbenzene		0.33		0.20	ppb v/v	TO-15
1,3,5-Trimethylbenzene		1.6		0.98	ug/m3	TO-15
2-Chlorotoluene		0.081	J	0.20	ppb v/v	TO-15
2-Chlorotoluene		0.42	J	1.0	ug/m3	TO-15
1,2,4-Trimethylbenzene		1.3		0.20	ppb v/v	TO-15
1,2,4-Trimethylbenzene		6.2		0.98	ug/m3	TO-15
4-Isopropyltoluene		0.14	J	0.20	ppb v/v	TO-15
4-Isopropyltoluene		0.76	J	1.1	ug/m3	TO-15
1,3-Dichlorobenzene		3.0		0.20	ppb v/v	TO-15
1,3-Dichlorobenzene		18		1.2	ug/m3	TO-15
1,4-Dichlorobenzene		0.23		0.20	ppb v/v	TO-15
1,4-Dichlorobenzene		1.4		1.2	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-58004-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-58004-3	**786VMP0102LA**					
Dichlorodifluoromethane		0.59	J D	1.0	ppb v/v	TO-15
Dichlorodifluoromethane		2.9	J D	4.9	ug/m3	TO-15
Freon 22		0.26	J D	1.0	ppb v/v	TO-15
Freon 22		0.92	J D	3.5	ug/m3	TO-15
n-Butane		1.2	D	1.0	ppb v/v	TO-15
n-Butane		2.9	D	2.4	ug/m3	TO-15
Trichlorofluoromethane		0.29	J D	0.40	ppb v/v	TO-15
Trichlorofluoromethane		1.6	J D	2.2	ug/m3	TO-15
Freon TF		0.11	J D	0.40	ppb v/v	TO-15
Freon TF		0.84	J D	3.1	ug/m3	TO-15
Acetone		11	D	10	ppb v/v	TO-15
Acetone		26	D	24	ug/m3	TO-15
Isopropyl alcohol		28	D	10	ppb v/v	TO-15
Isopropyl alcohol		68	D	25	ug/m3	TO-15
Carbon disulfide		2.6	D	1.0	ppb v/v	TO-15
Carbon disulfide		8.2	D	3.1	ug/m3	TO-15
tert-Butyl alcohol		5.2	J D	10	ppb v/v	TO-15
tert-Butyl alcohol		16	J D	30	ug/m3	TO-15
Methyl tert-butyl ether		0.36	J D	0.40	ppb v/v	TO-15
Methyl tert-butyl ether		1.3	J D	1.4	ug/m3	TO-15
n-Hexane		0.44	D	0.40	ppb v/v	TO-15
n-Hexane		1.5	D	1.4	ug/m3	TO-15
Methyl Ethyl Ketone		3.8	D	1.0	ppb v/v	TO-15
Methyl Ethyl Ketone		11	D	2.9	ug/m3	TO-15
Chloroform		0.54	D	0.40	ppb v/v	TO-15
Chloroform		2.6	D	2.0	ug/m3	TO-15
Tetrahydrofuran		2.6	J D	10	ppb v/v	TO-15
Tetrahydrofuran		7.5	J D	29	ug/m3	TO-15
Cyclohexane		0.79	D M	0.40	ppb v/v	TO-15
Cyclohexane		2.7	D M	1.4	ug/m3	TO-15
Carbon tetrachloride		0.084	J D	0.40	ppb v/v	TO-15
Carbon tetrachloride		0.53	J D	2.5	ug/m3	TO-15
2,2,4-Trimethylpentane		0.26	J D	0.40	ppb v/v	TO-15
2,2,4-Trimethylpentane		1.2	J D	1.9	ug/m3	TO-15
Benzene		0.43	D	0.40	ppb v/v	TO-15
Benzene		1.4	D	1.3	ug/m3	TO-15
n-Heptane		0.25	J D	0.40	ppb v/v	TO-15
n-Heptane		1.0	J D	1.6	ug/m3	TO-15
Trichloroethene		51	D	0.40	ppb v/v	TO-15
Trichloroethene		270	D	2.1	ug/m3	TO-15
Methyl methacrylate		0.68	J D	1.0	ppb v/v	TO-15
Methyl methacrylate		2.8	J D	4.1	ug/m3	TO-15
methyl isobutyl ketone		0.35	J D	1.0	ppb v/v	TO-15
methyl isobutyl ketone		1.4	J D	4.1	ug/m3	TO-15
Toluene		3.8	D	0.40	ppb v/v	TO-15
Toluene		14	D	1.5	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-58004-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
Tetrachloroethene		1.2	D	0.40	ppb v/v	TO-15
Tetrachloroethene		8.3	D	2.7	ug/m3	TO-15
Chlorobenzene		0.20	J D	0.40	ppb v/v	TO-15
Chlorobenzene		0.90	J D	1.8	ug/m3	TO-15
Ethylbenzene		1.1	D	0.40	ppb v/v	TO-15
Ethylbenzene		4.6	D	1.7	ug/m3	TO-15
m,p-Xylene		3.1	D	1.0	ppb v/v	TO-15
m,p-Xylene		13	D	4.3	ug/m3	TO-15
Xylene, o-		0.99	D	0.40	ppb v/v	TO-15
Xylene, o-		4.3	D	1.7	ug/m3	TO-15
Xylene (total)		4.1		0.40	ppb v/v	TO-15
Xylene (total)		18		1.7	ug/m3	TO-15
Styrene		0.59	D	0.40	ppb v/v	TO-15
Styrene		2.5	D	1.7	ug/m3	TO-15
Cumene		0.14	J D	0.40	ppb v/v	TO-15
Cumene		0.67	J D	2.0	ug/m3	TO-15
n-Propylbenzene		0.21	J D	0.40	ppb v/v	TO-15
n-Propylbenzene		1.0	J D	2.0	ug/m3	TO-15
4-Ethyltoluene		0.28	J D	0.40	ppb v/v	TO-15
4-Ethyltoluene		1.4	J D	2.0	ug/m3	TO-15
1,3,5-Trimethylbenzene		0.26	J D	0.40	ppb v/v	TO-15
1,3,5-Trimethylbenzene		1.3	J D	2.0	ug/m3	TO-15
2-Chlorotoluene		0.058	J D	0.40	ppb v/v	TO-15
2-Chlorotoluene		0.30	J D	2.1	ug/m3	TO-15
1,2,4-Trimethylbenzene		0.86	D	0.40	ppb v/v	TO-15
1,2,4-Trimethylbenzene		4.2	D	2.0	ug/m3	TO-15
1,3-Dichlorobenzene		2.7	D	0.40	ppb v/v	TO-15
1,3-Dichlorobenzene		16	D	2.4	ug/m3	TO-15
1,2,4-Trichlorobenzene		0.079	J D	1.0	ppb v/v	TO-15
1,2,4-Trichlorobenzene		0.59	J D	7.4	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-58004-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-58004-4	**785IA13**					
Dichlorodifluoromethane		0.52		0.50	ppb v/v	TO-15
Dichlorodifluoromethane		2.6		2.5	ug/m3	TO-15
Freon 22		0.31	J	0.50	ppb v/v	TO-15
Freon 22		1.1	J	1.8	ug/m3	TO-15
Chloromethane		0.75		0.50	ppb v/v	TO-15
Chloromethane		1.5		1.0	ug/m3	TO-15
Trichlorofluoromethane		0.26		0.20	ppb v/v	TO-15
Trichlorofluoromethane		1.5		1.1	ug/m3	TO-15
Freon TF		0.090	J M	0.20	ppb v/v	TO-15
Freon TF		0.69	J M	1.5	ug/m3	TO-15
Acetone		7.8		5.0	ppb v/v	TO-15
Acetone		19		12	ug/m3	TO-15
Isopropyl alcohol		0.85	J	5.0	ppb v/v	TO-15
Isopropyl alcohol		2.1	J	12	ug/m3	TO-15
Carbon disulfide		2.2		0.50	ppb v/v	TO-15
Carbon disulfide		6.8		1.6	ug/m3	TO-15
n-Hexane		0.081	J	0.20	ppb v/v	TO-15
n-Hexane		0.29	J	0.70	ug/m3	TO-15
Methyl Ethyl Ketone		1.3		0.50	ppb v/v	TO-15
Methyl Ethyl Ketone		3.9		1.5	ug/m3	TO-15
cis-1,2-Dichloroethene		0.21		0.20	ppb v/v	TO-15
cis-1,2-Dichloroethene		0.84		0.79	ug/m3	TO-15
1,2-Dichloroethene, Total		0.21		0.20	ppb v/v	TO-15
1,2-Dichloroethene, Total		0.83		0.79	ug/m3	TO-15
Carbon tetrachloride		0.081	J	0.20	ppb v/v	TO-15
Carbon tetrachloride		0.51	J	1.3	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
Trichloroethene		0.16	J	0.20	ppb v/v	TO-15
Trichloroethene		0.88	J	1.1	ug/m3	TO-15
1,4-Dioxane		3.1	J	5.0	ppb v/v	TO-15
1,4-Dioxane		11	J	18	ug/m3	TO-15
methyl isobutyl ketone		0.091	J	0.50	ppb v/v	TO-15
methyl isobutyl ketone		0.37	J	2.0	ug/m3	TO-15
Toluene		0.35		0.20	ppb v/v	TO-15
Toluene		1.3		0.75	ug/m3	TO-15
Ethylbenzene		0.16	J	0.20	ppb v/v	TO-15
Ethylbenzene		0.69	J	0.87	ug/m3	TO-15
m,p-Xylene		0.48	J	0.50	ppb v/v	TO-15
m,p-Xylene		2.1	J	2.2	ug/m3	TO-15
Xylene, o-		0.093	J	0.20	ppb v/v	TO-15
Xylene, o-		0.40	J	0.87	ug/m3	TO-15
Xylene (total)		0.57		0.20	ppb v/v	TO-15
Xylene (total)		2.5		0.87	ug/m3	TO-15
4-Ethyltoluene		0.023	J	0.20	ppb v/v	TO-15
4-Ethyltoluene		0.12	J	0.98	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-58004-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
1,3,5-Trimethylbenzene		0.030	J	0.20	ppb v/v	TO-15
1,3,5-Trimethylbenzene		0.15	J	0.98	ug/m3	TO-15
1,2,4-Trimethylbenzene		0.085	J	0.20	ppb v/v	TO-15
1,2,4-Trimethylbenzene		0.42	J	0.98	ug/m3	TO-15
4-Isopropyltoluene		0.10	J	0.20	ppb v/v	TO-15
4-Isopropyltoluene		0.56	J	1.1	ug/m3	TO-15
1,4-Dichlorobenzene		0.019	J	0.20	ppb v/v	TO-15
1,4-Dichlorobenzene		0.11	J	1.2	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-58004-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-58004-5	**786IA12**					
Dichlorodifluoromethane		0.50		0.50	ppb v/v	TO-15
Dichlorodifluoromethane		2.5		2.5	ug/m3	TO-15
Freon 22		0.32	J	0.50	ppb v/v	TO-15
Freon 22		1.1	J	1.8	ug/m3	TO-15
Chloromethane		0.57		0.50	ppb v/v	TO-15
Chloromethane		1.2		1.0	ug/m3	TO-15
Bromomethane		0.031	J	0.20	ppb v/v	TO-15
Bromomethane		0.12	J	0.78	ug/m3	TO-15
Trichlorofluoromethane		0.24		0.20	ppb v/v	TO-15
Trichlorofluoromethane		1.3		1.1	ug/m3	TO-15
Freon TF		0.077	J	0.20	ppb v/v	TO-15
Freon TF		0.59	J	1.5	ug/m3	TO-15
Acetone		3.9	J	5.0	ppb v/v	TO-15
Acetone		9.2	J	12	ug/m3	TO-15
Isopropyl alcohol		0.73	J	5.0	ppb v/v	TO-15
Isopropyl alcohol		1.8	J	12	ug/m3	TO-15
n-Hexane		0.052	J	0.20	ppb v/v	TO-15
n-Hexane		0.18	J	0.70	ug/m3	TO-15
Methyl Ethyl Ketone		0.40	J	0.50	ppb v/v	TO-15
Methyl Ethyl Ketone		1.2	J	1.5	ug/m3	TO-15
Carbon tetrachloride		0.071	J	0.20	ppb v/v	TO-15
Carbon tetrachloride		0.45	J	1.3	ug/m3	TO-15
Benzene		0.068	J	0.20	ppb v/v	TO-15
Benzene		0.22	J	0.64	ug/m3	TO-15
Toluene		0.14	J	0.20	ppb v/v	TO-15
Toluene		0.52	J	0.75	ug/m3	TO-15
Tetrachloroethene		0.18	J	0.20	ppb v/v	TO-15
Tetrachloroethene		1.2	J	1.4	ug/m3	TO-15
Ethylbenzene		0.025	J	0.20	ppb v/v	TO-15
Ethylbenzene		0.11	J	0.87	ug/m3	TO-15
m,p-Xylene		0.069	J M	0.50	ppb v/v	TO-15
m,p-Xylene		0.30	J M	2.2	ug/m3	TO-15
Xylene, o-		0.025	J M	0.20	ppb v/v	TO-15
Xylene, o-		0.11	J M	0.87	ug/m3	TO-15
Xylene (total)		0.094	J	0.20	ppb v/v	TO-15
Xylene (total)		0.41	J	0.87	ug/m3	TO-15
1,2,4-Trimethylbenzene		0.031	J	0.20	ppb v/v	TO-15
1,2,4-Trimethylbenzene		0.15	J	0.98	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-58004-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-58004-6	**785786OA09**					
Dichlorodifluoromethane		0.51		0.50	ppb v/v	TO-15
Dichlorodifluoromethane		2.5		2.5	ug/m3	TO-15
Freon 22		0.24	J	0.50	ppb v/v	TO-15
Freon 22		0.84	J	1.8	ug/m3	TO-15
Chloromethane		0.57		0.50	ppb v/v	TO-15
Chloromethane		1.2		1.0	ug/m3	TO-15
Trichlorofluoromethane		0.22		0.20	ppb v/v	TO-15
Trichlorofluoromethane		1.2		1.1	ug/m3	TO-15
Freon TF		0.071	J	0.20	ppb v/v	TO-15
Freon TF		0.54	J	1.5	ug/m3	TO-15
Acetone		2.6	J	5.0	ppb v/v	TO-15
Acetone		6.2	J	12	ug/m3	TO-15
Isopropyl alcohol		0.44	J	5.0	ppb v/v	TO-15
Isopropyl alcohol		1.1	J	12	ug/m3	TO-15
Carbon disulfide		0.19	J	0.50	ppb v/v	TO-15
Carbon disulfide		0.59	J	1.6	ug/m3	TO-15
Methylene Chloride		0.20	J	0.50	ppb v/v	TO-15
Methylene Chloride		0.68	J	1.7	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		0.047	J	0.20	ppb v/v	TO-15
Carbon tetrachloride		0.30	J	1.3	ug/m3	TO-15
Benzene		0.044	J	0.20	ppb v/v	TO-15
Benzene		0.14	J	0.64	ug/m3	TO-15
Toluene		0.15	J	0.20	ppb v/v	TO-15
Toluene		0.58	J	0.75	ug/m3	TO-15
m,p-Xylene		0.033	J	0.50	ppb v/v	TO-15
m,p-Xylene		0.14	J	2.2	ug/m3	TO-15
1,2,4-Trimethylbenzene		0.015	J	0.20	ppb v/v	TO-15
1,2,4-Trimethylbenzene		0.073	J	0.98	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-58004-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-58004-7	**785VMP0202MA**					
Dichlorodifluoromethane		0.93	J D	1.0	ppb v/v	TO-15
Dichlorodifluoromethane		4.6	J D	4.9	ug/m3	TO-15
Freon 22		0.56	J D	1.0	ppb v/v	TO-15
Freon 22		2.0	J D	3.5	ug/m3	TO-15
Chloromethane		6.0	D	1.0	ppb v/v	TO-15
Chloromethane		12	D	2.1	ug/m3	TO-15
n-Butane		1.2	D	1.0	ppb v/v	TO-15
n-Butane		2.9	D	2.4	ug/m3	TO-15
Trichlorofluoromethane		0.49	D	0.40	ppb v/v	TO-15
Trichlorofluoromethane		2.7	D	2.2	ug/m3	TO-15
Freon TF		0.34	J D	0.40	ppb v/v	TO-15
Freon TF		2.6	J D	3.1	ug/m3	TO-15
Acetone		12	D	10	ppb v/v	TO-15
Acetone		28	D	24	ug/m3	TO-15
Isopropyl alcohol		12	D	10	ppb v/v	TO-15
Isopropyl alcohol		29	D	25	ug/m3	TO-15
Carbon disulfide		1.5	D	1.0	ppb v/v	TO-15
Carbon disulfide		4.7	D	3.1	ug/m3	TO-15
tert-Butyl alcohol		2.9	J D	10	ppb v/v	TO-15
tert-Butyl alcohol		8.9	J D	30	ug/m3	TO-15
Methyl tert-butyl ether		0.11	J D	0.40	ppb v/v	TO-15
Methyl tert-butyl ether		0.38	J D	1.4	ug/m3	TO-15
n-Hexane		2.1	D	0.40	ppb v/v	TO-15
n-Hexane		7.5	D	1.4	ug/m3	TO-15
Methyl Ethyl Ketone		3.4	D	1.0	ppb v/v	TO-15
Methyl Ethyl Ketone		10	D	2.9	ug/m3	TO-15
cis-1,2-Dichloroethene		0.51	D	0.40	ppb v/v	TO-15
cis-1,2-Dichloroethene		2.0	D	1.6	ug/m3	TO-15
1,2-Dichloroethene, Total		0.51		0.40	ppb v/v	TO-15
1,2-Dichloroethene, Total		2.0		1.6	ug/m3	TO-15
Chloroform		5.3	D	0.40	ppb v/v	TO-15
Chloroform		26	D	2.0	ug/m3	TO-15
Tetrahydrofuran		32	D	10	ppb v/v	TO-15
Tetrahydrofuran		95	D	29	ug/m3	TO-15
Carbon tetrachloride		0.14	J D	0.40	ppb v/v	TO-15
Carbon tetrachloride		0.86	J D	2.5	ug/m3	TO-15
Benzene		0.21	J D	0.40	ppb v/v	TO-15
Benzene		0.68	J D	1.3	ug/m3	TO-15
Trichloroethene		74	D	0.40	ppb v/v	TO-15
Trichloroethene		400	D	2.1	ug/m3	TO-15
methyl isobutyl ketone		0.30	J D	1.0	ppb v/v	TO-15
methyl isobutyl ketone		1.2	J D	4.1	ug/m3	TO-15
Toluene		0.50	D	0.40	ppb v/v	TO-15
Toluene		1.9	D	1.5	ug/m3	TO-15
Ethylbenzene		0.17	J D	0.40	ppb v/v	TO-15
Ethylbenzene		0.76	J D	1.7	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-58004-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
m,p-Xylene		0.37	J D	1.0	ppb v/v	TO-15
m,p-Xylene		1.6	J D	4.3	ug/m3	TO-15
Xylene, o-		0.16	J D	0.40	ppb v/v	TO-15
Xylene, o-		0.68	J D	1.7	ug/m3	TO-15
Xylene (total)		0.53		0.40	ppb v/v	TO-15
Xylene (total)		2.3		1.7	ug/m3	TO-15
Styrene		0.067	J D	0.40	ppb v/v	TO-15
Styrene		0.29	J D	1.7	ug/m3	TO-15
Cumene		0.039	J D	0.40	ppb v/v	TO-15
Cumene		0.19	J D	2.0	ug/m3	TO-15
4-Ethyltoluene		0.061	J D	0.40	ppb v/v	TO-15
4-Ethyltoluene		0.30	J D	2.0	ug/m3	TO-15
1,3,5-Trimethylbenzene		0.078	J D	0.40	ppb v/v	TO-15
1,3,5-Trimethylbenzene		0.38	J D	2.0	ug/m3	TO-15
1,2,4-Trimethylbenzene		0.29	J D	0.40	ppb v/v	TO-15
1,2,4-Trimethylbenzene		1.4	J D	2.0	ug/m3	TO-15
1,3-Dichlorobenzene		0.51	D	0.40	ppb v/v	TO-15
1,3-Dichlorobenzene		3.1	D	2.4	ug/m3	TO-15
280-58004-8	**785VMP0501JA**					
Acetone		1100	D	520	ppb v/v	TO-15
Acetone		2600	D	1200	ug/m3	TO-15
Methyl Ethyl Ketone		400	D	52	ppb v/v	TO-15
Methyl Ethyl Ketone		1200	D	150	ug/m3	TO-15
Chloroform		9.4	J D M	21	ppb v/v	TO-15
Chloroform		46	J D M	100	ug/m3	TO-15
Tetrahydrofuran		2300	D	520	ppb v/v	TO-15
Tetrahydrofuran		6900	D	1500	ug/m3	TO-15
Trichloroethene		94	D	21	ppb v/v	TO-15
Trichloroethene		510	D	110	ug/m3	TO-15
280-58004-9	**785VMP0401LA**					
Acetone		3300	D	2000	ppb v/v	TO-15
Acetone		7900	D	4700	ug/m3	TO-15
Methyl Ethyl Ketone		770	D	200	ppb v/v	TO-15
Methyl Ethyl Ketone		2300	D	580	ug/m3	TO-15
Tetrahydrofuran		6800	D	2000	ppb v/v	TO-15
Tetrahydrofuran		20000	D	5800	ug/m3	TO-15
Trichloroethene		31	J D	79	ppb v/v	TO-15
Trichloroethene		170	J D	430	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-58004-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-58004-10	**785VMP0202MC**					
Dichlorodifluoromethane		0.63		0.50	ppb v/v	TO-15
Dichlorodifluoromethane		3.1		2.5	ug/m3	TO-15
Freon 22		0.34	J	0.50	ppb v/v	TO-15
Freon 22		1.2	J	1.8	ug/m3	TO-15
Chloromethane		2.0		0.50	ppb v/v	TO-15
Chloromethane		4.2		1.0	ug/m3	TO-15
n-Butane		0.50		0.50	ppb v/v	TO-15
n-Butane		1.2		1.2	ug/m3	TO-15
Trichlorofluoromethane		0.24		0.20	ppb v/v	TO-15
Trichlorofluoromethane		1.4		1.1	ug/m3	TO-15
Freon TF		0.079	J	0.20	ppb v/v	TO-15
Freon TF		0.61	J	1.5	ug/m3	TO-15
Acetone		11		5.0	ppb v/v	TO-15
Acetone		26		12	ug/m3	TO-15
Isopropyl alcohol		3.0	J	5.0	ppb v/v	TO-15
Isopropyl alcohol		7.5	J	12	ug/m3	TO-15
Carbon disulfide		0.95		0.50	ppb v/v	TO-15
Carbon disulfide		3.0		1.6	ug/m3	TO-15
Methylene Chloride		0.13	J	0.50	ppb v/v	TO-15
Methylene Chloride		0.45	J	1.7	ug/m3	TO-15
tert-Butyl alcohol		0.83	J	5.0	ppb v/v	TO-15
tert-Butyl alcohol		2.5	J	15	ug/m3	TO-15
n-Hexane		0.51		0.20	ppb v/v	TO-15
n-Hexane		1.8		0.70	ug/m3	TO-15
Methyl Ethyl Ketone		1.9		0.50	ppb v/v	TO-15
Methyl Ethyl Ketone		5.5		1.5	ug/m3	TO-15
Chloroform		0.40		0.20	ppb v/v	TO-15
Chloroform		2.0		0.98	ug/m3	TO-15
Tetrahydrofuran		5.6		5.0	ppb v/v	TO-15
Tetrahydrofuran		16		15	ug/m3	TO-15
Carbon tetrachloride		0.074	J	0.20	ppb v/v	TO-15
Carbon tetrachloride		0.47	J	1.3	ug/m3	TO-15
Benzene		0.10	J	0.20	ppb v/v	TO-15
Benzene		0.33	J	0.64	ug/m3	TO-15
Trichloroethene		3.8		0.20	ppb v/v	TO-15
Trichloroethene		21		1.1	ug/m3	TO-15
1,4-Dioxane		1.8	J	5.0	ppb v/v	TO-15
1,4-Dioxane		6.6	J	18	ug/m3	TO-15
methyl isobutyl ketone		0.13	J	0.50	ppb v/v	TO-15
methyl isobutyl ketone		0.53	J	2.0	ug/m3	TO-15
Toluene		0.20		0.20	ppb v/v	TO-15
Toluene		0.75		0.75	ug/m3	TO-15
Methyl Butyl Ketone (2-Hexanone)		0.30	J M	0.50	ppb v/v	TO-15
Methyl Butyl Ketone (2-Hexanone)		1.2	J M	2.0	ug/m3	TO-15
Ethylbenzene		0.041	J	0.20	ppb v/v	TO-15
Ethylbenzene		0.18	J	0.87	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-58004-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
m,p-Xylene		0.075	J	0.50	ppb v/v	TO-15
m,p-Xylene		0.33	J	2.2	ug/m3	TO-15
Xylene, o-		0.033	J	0.20	ppb v/v	TO-15
Xylene, o-		0.15	J	0.87	ug/m3	TO-15
Xylene (total)		0.11	J	0.20	ppb v/v	TO-15
Xylene (total)		0.47	J	0.87	ug/m3	TO-15
1,3,5-Trimethylbenzene		0.012	J	0.20	ppb v/v	TO-15
1,3,5-Trimethylbenzene		0.059	J	0.98	ug/m3	TO-15
1,2,4-Trimethylbenzene		0.053	J	0.20	ppb v/v	TO-15
1,2,4-Trimethylbenzene		0.26	J	0.98	ug/m3	TO-15
1,3-Dichlorobenzene		0.031	J	0.20	ppb v/v	TO-15
1,3-Dichlorobenzene		0.19	J	1.2	ug/m3	TO-15

METHOD SUMMARY

Client: FPM Remediations Inc

Job Number: 280-58004-1

Description	Lab Location	Method	Preparation Method
Matrix: Air			
Volatile Organic Compounds in Ambient Air	TAL BUR	EPA TO-15	
Collection via Summa Canister	TAL BUR		Summa Canister

Lab References:

TAL BUR = TestAmerica Burlington

Method References:

EPA = US Environmental Protection Agency

METHOD / ANALYST SUMMARY

Client: FPM Remediations Inc

Job Number: 280-58004-1

Method	Analyst	Analyst ID
EPA TO-15	Daigle, Paul A	PAD
EPA TO-15	Desjardins, William R	WRD
EPA TO-15	Lyons, Benjamin P	BPL

Client: FPM Remediations Inc

Job Number: 280-58004-1

Client Sample ID: **786VMP0202LA**

Lab Sample ID: 280-58004-1
Client Matrix: Air

Date Sampled: 07/18/2014 1440
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75709	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8889_010.d
Dilution:	4.0			Initial Weight/Volume:	50 mL
Analysis Date:	08/06/2014 1924			Final Weight/Volume:	200 mL
Prep Date:	08/06/2014 1924			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	0.60	J D	0.12	2.0
Freon 22	0.29	J D	0.19	2.0
1,2-Dichlorotetrafluoroethane	0.32	U	0.14	0.80
Chloromethane	2.0	U	0.54	2.0
n-Butane	2.0	U	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	0.33	J D	0.12	0.80
Freon TF	0.30	J D	0.072	0.80
1,1-Dichloroethene	0.32	U	0.096	0.80
Acetone	10	U	5.0	20
Isopropyl alcohol	2.0	U	0.86	20
Carbon disulfide	0.34	J D	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	2.0	U	1.3	20
Methyl tert-butyl ether	0.32	U	0.088	0.80
trans-1,2-Dichloroethene	0.32	U	0.12	0.80
n-Hexane	0.32	U	0.14	0.80
1,1-Dichloroethane	0.32	U	0.15	0.80
Methyl Ethyl Ketone	2.0	U	0.97	2.0
cis-1,2-Dichloroethene	0.23	J D M	0.15	0.80
1,2-Dichloroethene, Total	0.32	U	0.26	0.80
Chloroform	33	D	0.10	0.80
Tetrahydrofuran	0.43	J D	0.18	20
1,1,1-Trichloroethane	2.6	D	0.084	0.80
Cyclohexane	0.32	U	0.10	0.80
Carbon tetrachloride	0.32	U	0.084	0.80
2,2,4-Trimethylpentane	0.32	U	0.11	0.80
Benzene	0.15	J D	0.076	0.80
1,2-Dichloroethane	0.12	U	0.068	0.80
n-Heptane	0.32	U	0.18	0.80
Trichloroethene	76	D	0.096	0.80
Methyl methacrylate	0.32	U	0.12	2.0
1,2-Dichloropropane	0.32	U	0.13	0.80
1,4-Dioxane	0.80	U	0.80	20
Bromodichloromethane	0.31	J D	0.068	0.80
cis-1,3-Dichloropropene	0.32	U	0.11	0.80
methyl isobutyl ketone	0.32	U	0.11	2.0
Toluene	0.16	J D	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	0.24	J D	0.064	0.80

Client: FPM Remediations Inc

Job Number: 280-58004-1

Client Sample ID: **786VMP0202LA**

Lab Sample ID: 280-58004-1
Client Matrix: Air

Date Sampled: 07/18/2014 1440
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75709	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8889_010.d
Dilution:	4.0			Initial Weight/Volume:	50 mL
Analysis Date:	08/06/2014 1924			Final Weight/Volume:	200 mL
Prep Date:	08/06/2014 1924			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	0.12	U	0.052	0.80
m,p-Xylene	0.32	U	0.092	2.0
Xylene, o-	0.12	U	0.064	0.80
Xylene (total)	0.32	U	0.14	0.80
Styrene	0.12	U	0.072	0.80
Bromoform	0.12	U	0.040	0.80
Cumene	0.12	U	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	0.12	U	0.072	0.80
1,3,5-Trimethylbenzene	0.12	U	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	0.12	U	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	0.12	U	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	0.32	U	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	3.0	J D	0.59	9.9
Freon 22	1.0	J D	0.68	7.1
1,2-Dichlorotetrafluoroethane	2.2	U	0.98	5.6
Chloromethane	4.1	U	1.1	4.1
n-Butane	4.8	U	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	1.9	J D	0.67	4.5
Freon TF	2.3	J D	0.55	6.1
1,1-Dichloroethene	1.3	U	0.38	3.2
Acetone	24	U	12	48
Isopropyl alcohol	4.9	U	2.1	49
Carbon disulfide	1.1	J D	0.82	6.2

Client: FPM Remediations Inc

Job Number: 280-58004-1

Client Sample ID: **786VMP0202LA**

Lab Sample ID: 280-58004-1
Client Matrix: Air

Date Sampled: 07/18/2014 1440
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75709	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8889_010.d
Dilution:	4.0			Initial Weight/Volume:	50 mL
Analysis Date:	08/06/2014 1924			Final Weight/Volume:	200 mL
Prep Date:	08/06/2014 1924			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	6.1	U	4.0	61
Methyl tert-butyl ether	1.2	U	0.32	2.9
trans-1,2-Dichloroethene	1.3	U	0.46	3.2
n-Hexane	1.1	U	0.48	2.8
1,1-Dichloroethane	1.3	U	0.62	3.2
Methyl Ethyl Ketone	5.9	U	2.9	5.9
cis-1,2-Dichloroethene	0.90	J D M	0.60	3.2
1,2-Dichloroethene, Total	1.3	U	1.0	3.2
Chloroform	160	D	0.49	3.9
Tetrahydrofuran	1.3	J D	0.54	59
1,1,1-Trichloroethane	14	D	0.46	4.4
Cyclohexane	1.1	U	0.34	2.8
Carbon tetrachloride	2.0	U	0.53	5.0
2,2,4-Trimethylpentane	1.5	U	0.50	3.7
Benzene	0.49	J D	0.24	2.6
1,2-Dichloroethane	0.49	U	0.28	3.2
n-Heptane	1.3	U	0.75	3.3
Trichloroethene	410	D	0.52	4.3
Methyl methacrylate	1.3	U	0.49	8.2
1,2-Dichloropropane	1.5	U	0.59	3.7
1,4-Dioxane	2.9	U	2.9	72
Bromodichloromethane	2.1	J D	0.46	5.4
cis-1,3-Dichloropropene	1.5	U	0.51	3.6
methyl isobutyl ketone	1.3	U	0.44	8.2
Toluene	0.59	J D	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	1.6	J D	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	0.52	U	0.23	3.5
m,p-Xylene	1.4	U	0.40	8.7
Xylene, o-	0.52	U	0.28	3.5
Xylene (total)	1.4	U	0.59	3.5
Styrene	0.51	U	0.31	3.4
Bromoform	1.2	U	0.41	8.3
Cumene	0.59	U	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	0.59	U	0.35	3.9
1,3,5-Trimethylbenzene	0.59	U	0.24	3.9
2-Chlorotoluene	0.62	U	0.27	4.1

Client: FPM Remediations Inc

Job Number: 280-58004-1

Client Sample ID: **786VMP0202LA**

Lab Sample ID: 280-58004-1
Client Matrix: Air

Date Sampled: 07/18/2014 1440
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75709	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8889_010.d
Dilution:	4.0			Initial Weight/Volume:	50 mL
Analysis Date:	08/06/2014 1924			Final Weight/Volume:	200 mL
Prep Date:	08/06/2014 1924			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
tert-Butylbenzene	0.66	U	0.37	4.4
1,2,4-Trimethylbenzene	0.59	U	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	0.72	U	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	2.4	U	0.80	15
Hexachlorobutadiene	3.4	U	0.94	8.5
Naphthalene	4.2	U	4.2	10

Client: FPM Remediations Inc

Job Number: 280-58004-1

Client Sample ID: **786VMP0302LA**

Lab Sample ID: 280-58004-2
Client Matrix: Air

Date Sampled: 07/18/2014 1450
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75599	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8834_026.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	08/05/2014 0707			Final Weight/Volume:	200 mL
Prep Date:	08/05/2014 0707			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	0.71		0.030	0.50
Freon 22	0.37	J	0.048	0.50
1,2-Dichlorotetrafluoroethane	0.080	U	0.035	0.20
Chloromethane	0.23	J	0.14	0.50
n-Butane	0.41	J	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	0.35		0.030	0.20
Freon TF	0.088	J M	0.018	0.20
1,1-Dichloroethene	0.080	U	0.024	0.20
Acetone	18		1.3	5.0
Isopropyl alcohol	30		0.22	5.0
Carbon disulfide	4.8		0.066	0.50
3-Chloropropene	0.080	U	0.034	0.50
Methylene Chloride	0.39	J	0.13	0.50
tert-Butyl alcohol	5.6		0.33	5.0
Methyl tert-butyl ether	0.48		0.022	0.20
trans-1,2-Dichloroethene	0.080	U	0.029	0.20
n-Hexane	0.55		0.034	0.20
1,1-Dichloroethane	0.14	J	0.038	0.20
Methyl Ethyl Ketone	3.9		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	0.29		0.025	0.20
Tetrahydrofuran	3.9	J	0.046	5.0
1,1,1-Trichloroethane	0.35		0.021	0.20
Cyclohexane	1.1		0.025	0.20
Carbon tetrachloride	0.071	J	0.021	0.20
2,2,4-Trimethylpentane	0.49		0.027	0.20
Benzene	1.1		0.019	0.20
1,2-Dichloroethane	0.030	U	0.017	0.20
n-Heptane	0.54		0.046	0.20
Trichloroethene	38		0.024	0.20
Methyl methacrylate	0.81		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	0.53		0.027	0.50
Toluene	4.9		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	1.3		0.016	0.20

Client: FPM Remediations Inc

Job Number: 280-58004-1

Client Sample ID: **786VMP0302LA**

Lab Sample ID: 280-58004-2
Client Matrix: Air

Date Sampled: 07/18/2014 1450
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75599	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8834_026.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	08/05/2014 0707			Final Weight/Volume:	200 mL
Prep Date:	08/05/2014 0707			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	0.65		0.0081	0.20
Ethylbenzene	1.5		0.013	0.20
m,p-Xylene	3.9		0.023	0.50
Xylene, o-	1.2		0.016	0.20
Xylene (total)	5.1		0.034	0.20
Styrene	0.71		0.018	0.20
Bromoform	0.030	U	0.010	0.20
Cumene	0.23		0.016	0.20
1,1,2,2-Tetrachloroethane	0.030	U	0.016	0.20
n-Propylbenzene	0.46		0.080	0.20
4-Ethyltoluene	0.43		0.018	0.20
1,3,5-Trimethylbenzene	0.33		0.012	0.20
2-Chlorotoluene	0.081	J	0.013	0.20
tert-Butylbenzene	0.030	U	0.017	0.20
1,2,4-Trimethylbenzene	1.3		0.014	0.20
sec-Butylbenzene	0.080	U	0.080	0.20
4-Isopropyltoluene	0.14	J	0.080	0.20
1,3-Dichlorobenzene	3.0		0.014	0.20
1,4-Dichlorobenzene	0.23		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	3.5		0.15	2.5
Freon 22	1.3	J	0.17	1.8
1,2-Dichlorotetrafluoroethane	0.56	U	0.24	1.4
Chloromethane	0.47	J	0.28	1.0
n-Butane	0.97	J	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	2.0		0.17	1.1
Freon TF	0.67	J M	0.14	1.5
1,1-Dichloroethene	0.32	U	0.095	0.79
Acetone	44		3.0	12
Isopropyl alcohol	73		0.53	12
Carbon disulfide	15		0.21	1.6

Client: FPM Remediations Inc

Job Number: 280-58004-1

Client Sample ID: **786VMP0302LA**

Lab Sample ID: 280-58004-2
Client Matrix: Air

Date Sampled: 07/18/2014 1450
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75599	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8834_026.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	08/05/2014 0707			Final Weight/Volume:	200 mL
Prep Date:	08/05/2014 0707			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
3-Chloropropene	0.25	U	0.11	1.6
Methylene Chloride	1.3	J	0.43	1.7
tert-Butyl alcohol	17		0.99	15
Methyl tert-butyl ether	1.7		0.079	0.72
trans-1,2-Dichloroethene	0.32	U	0.11	0.79
n-Hexane	1.9		0.12	0.70
1,1-Dichloroethane	0.57	J	0.15	0.81
Methyl Ethyl Ketone	11		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	1.4		0.12	0.98
Tetrahydrofuran	12	J	0.14	15
1,1,1-Trichloroethane	1.9		0.11	1.1
Cyclohexane	3.7		0.086	0.69
Carbon tetrachloride	0.45	J	0.13	1.3
2,2,4-Trimethylpentane	2.3		0.13	0.93
Benzene	3.5		0.061	0.64
1,2-Dichloroethane	0.12	U	0.069	0.81
n-Heptane	2.2		0.19	0.82
Trichloroethene	200		0.13	1.1
Methyl methacrylate	3.3		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	2.2		0.11	2.0
Toluene	19		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	8.5		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	3.0		0.037	0.92
Ethylbenzene	6.4		0.056	0.87
m,p-Xylene	17		0.10	2.2
Xylene, o-	5.2		0.069	0.87
Xylene (total)	22		0.15	0.87
Styrene	3.0		0.077	0.85
Bromoform	0.31	U	0.10	2.1
Cumene	1.1		0.079	0.98
1,1,2,2-Tetrachloroethane	0.21	U	0.11	1.4
n-Propylbenzene	2.3		0.39	0.98
4-Ethyltoluene	2.1		0.088	0.98
1,3,5-Trimethylbenzene	1.6		0.059	0.98
2-Chlorotoluene	0.42	J	0.067	1.0

Client: FPM Remediations Inc

Job Number: 280-58004-1

Client Sample ID: **786VMP0302LA**

Lab Sample ID: 280-58004-2
Client Matrix: Air

Date Sampled: 07/18/2014 1450
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75599	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8834_026.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	08/05/2014 0707			Final Weight/Volume:	200 mL
Prep Date:	08/05/2014 0707			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
tert-Butylbenzene	0.16	U	0.093	1.1
1,2,4-Trimethylbenzene	6.2		0.069	0.98
sec-Butylbenzene	0.44	U	0.44	1.1
4-Isopropyltoluene	0.76	J	0.44	1.1
1,3-Dichlorobenzene	18		0.084	1.2
1,4-Dichlorobenzene	1.4		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

Client: FPM Remediations Inc

Job Number: 280-58004-1

Client Sample ID: **786VMP0102LA**

Lab Sample ID: 280-58004-3
Client Matrix: Air

Date Sampled: 07/18/2014 1500
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75709	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8889_006.d
Dilution:	2.0			Initial Weight/Volume:	100 mL
Analysis Date:	08/06/2014 1610			Final Weight/Volume:	200 mL
Prep Date:	08/06/2014 1610			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	0.59	J D	0.060	1.0
Freon 22	0.26	J D	0.096	1.0
1,2-Dichlorotetrafluoroethane	0.16	U	0.070	0.40
Chloromethane	1.0	U	0.27	1.0
n-Butane	1.2	D	0.56	1.0
Vinyl chloride	0.16	U	0.076	0.40
1,3-Butadiene	0.16	U	0.084	0.40
Bromomethane	0.16	U	0.056	0.40
Chloroethane	0.16	U	0.060	1.0
Bromoethene(Vinyl Bromide)	0.16	U	0.060	0.40
Trichlorofluoromethane	0.29	J D	0.060	0.40
Freon TF	0.11	J D	0.036	0.40
1,1-Dichloroethene	0.16	U	0.048	0.40
Acetone	11	D	2.5	10
Isopropyl alcohol	28	D	0.43	10
Carbon disulfide	2.6	D	0.13	1.0
3-Chloropropene	0.16	U	0.068	1.0
Methylene Chloride	0.40	U	0.25	1.0
tert-Butyl alcohol	5.2	J D	0.66	10
Methyl tert-butyl ether	0.36	J D	0.044	0.40
trans-1,2-Dichloroethene	0.16	U	0.058	0.40
n-Hexane	0.44	D	0.068	0.40
1,1-Dichloroethane	0.16	U	0.076	0.40
Methyl Ethyl Ketone	3.8	D	0.48	1.0
cis-1,2-Dichloroethene	0.16	U	0.076	0.40
1,2-Dichloroethene, Total	0.16	U	0.13	0.40
Chloroform	0.54	D	0.050	0.40
Tetrahydrofuran	2.6	J D	0.092	10
1,1,1-Trichloroethane	0.16	U	0.042	0.40
Cyclohexane	0.79	D M	0.050	0.40
Carbon tetrachloride	0.084	J D	0.042	0.40
2,2,4-Trimethylpentane	0.26	J D	0.054	0.40
Benzene	0.43	D	0.038	0.40
1,2-Dichloroethane	0.060	U	0.034	0.40
n-Heptane	0.25	J D	0.092	0.40
Trichloroethene	51	D	0.048	0.40
Methyl methacrylate	0.68	J D	0.060	1.0
1,2-Dichloropropane	0.16	U	0.064	0.40
1,4-Dioxane	0.40	U	0.40	10
Bromodichloromethane	0.060	U	0.034	0.40
cis-1,3-Dichloropropene	0.16	U	0.056	0.40
methyl isobutyl ketone	0.35	J D	0.054	1.0
Toluene	3.8	D	0.034	0.40
trans-1,3-Dichloropropene	0.16	U	0.044	0.40
1,1,2-Trichloroethane	0.060	U	0.034	0.40
Tetrachloroethene	1.2	D	0.032	0.40

Client: FPM Remediations Inc

Job Number: 280-58004-1

Client Sample ID: **786VMP0102LA**

Lab Sample ID: 280-58004-3
Client Matrix: Air

Date Sampled: 07/18/2014 1500
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75709	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8889_006.d
Dilution:	2.0			Initial Weight/Volume:	100 mL
Analysis Date:	08/06/2014 1610			Final Weight/Volume:	200 mL
Prep Date:	08/06/2014 1610			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Methyl Butyl Ketone (2-Hexanone)	0.40	U	0.40	1.0
Dibromochloromethane	0.060	U	0.040	0.40
1,2-Dibromoethane	0.16	U	0.040	0.40
Chlorobenzene	0.20	J D	0.016	0.40
Ethylbenzene	1.1	D	0.026	0.40
m,p-Xylene	3.1	D	0.046	1.0
Xylene, o-	0.99	D	0.032	0.40
Xylene (total)	4.1		0.068	0.40
Styrene	0.59	D	0.036	0.40
Bromoform	0.060	U	0.020	0.40
Cumene	0.14	J D	0.032	0.40
1,1,2,2-Tetrachloroethane	0.060	U	0.032	0.40
n-Propylbenzene	0.21	J D	0.16	0.40
4-Ethyltoluene	0.28	J D	0.036	0.40
1,3,5-Trimethylbenzene	0.26	J D	0.024	0.40
2-Chlorotoluene	0.058	J D	0.026	0.40
tert-Butylbenzene	0.060	U	0.034	0.40
1,2,4-Trimethylbenzene	0.86	D	0.028	0.40
sec-Butylbenzene	0.16	U	0.16	0.40
4-Isopropyltoluene	0.16	U	0.16	0.40
1,3-Dichlorobenzene	2.7	D	0.028	0.40
1,4-Dichlorobenzene	0.060	U	0.028	0.40
Benzyl chloride	0.16	U	0.16	0.40
n-Butylbenzene	0.16	U	0.16	0.40
1,2-Dichlorobenzene	0.060	U	0.028	0.40
1,2,4-Trichlorobenzene	0.079	J D	0.054	1.0
Hexachlorobutadiene	0.16	U	0.044	0.40
Naphthalene	0.40	U	0.40	1.0

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
Dichlorodifluoromethane	2.9	J D	0.30	4.9
Freon 22	0.92	J D	0.34	3.5
1,2-Dichlorotetrafluoroethane	1.1	U	0.49	2.8
Chloromethane	2.1	U	0.56	2.1
n-Butane	2.9	D	1.3	2.4
Vinyl chloride	0.41	U	0.19	1.0
1,3-Butadiene	0.35	U	0.19	0.88
Bromomethane	0.62	U	0.22	1.6
Chloroethane	0.42	U	0.16	2.6
Bromoethene(Vinyl Bromide)	0.70	U	0.26	1.7
Trichlorofluoromethane	1.6	J D	0.34	2.2
Freon TF	0.84	J D	0.28	3.1
1,1-Dichloroethene	0.63	U	0.19	1.6
Acetone	26	D	5.9	24
Isopropyl alcohol	68	D	1.1	25
Carbon disulfide	8.2	D	0.41	3.1

Client: FPM Remediations Inc

Job Number: 280-58004-1

Client Sample ID: **786VMP0102LA**

Lab Sample ID: 280-58004-3
Client Matrix: Air

Date Sampled: 07/18/2014 1500
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75709	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8889_006.d
Dilution:	2.0			Initial Weight/Volume:	100 mL
Analysis Date:	08/06/2014 1610			Final Weight/Volume:	200 mL
Prep Date:	08/06/2014 1610			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
3-Chloropropene	0.50	U	0.21	3.1
Methylene Chloride	1.4	U	0.87	3.5
tert-Butyl alcohol	16	J D	2.0	30
Methyl tert-butyl ether	1.3	J D	0.16	1.4
trans-1,2-Dichloroethene	0.63	U	0.23	1.6
n-Hexane	1.5	D	0.24	1.4
1,1-Dichloroethane	0.65	U	0.31	1.6
Methyl Ethyl Ketone	11	D	1.4	2.9
cis-1,2-Dichloroethene	0.63	U	0.30	1.6
1,2-Dichloroethene, Total	0.63	U	0.51	1.6
Chloroform	2.6	D	0.24	2.0
Tetrahydrofuran	7.5	J D	0.27	29
1,1,1-Trichloroethane	0.87	U	0.23	2.2
Cyclohexane	2.7	D M	0.17	1.4
Carbon tetrachloride	0.53	J D	0.26	2.5
2,2,4-Trimethylpentane	1.2	J D	0.25	1.9
Benzene	1.4	D	0.12	1.3
1,2-Dichloroethane	0.24	U	0.14	1.6
n-Heptane	1.0	J D	0.38	1.6
Trichloroethene	270	D	0.26	2.1
Methyl methacrylate	2.8	J D	0.25	4.1
1,2-Dichloropropane	0.74	U	0.30	1.8
1,4-Dioxane	1.4	U	1.4	36
Bromodichloromethane	0.40	U	0.23	2.7
cis-1,3-Dichloropropene	0.73	U	0.25	1.8
methyl isobutyl ketone	1.4	J D	0.22	4.1
Toluene	14	D	0.13	1.5
trans-1,3-Dichloropropene	0.73	U	0.20	1.8
1,1,2-Trichloroethane	0.33	U	0.19	2.2
Tetrachloroethene	8.3	D	0.22	2.7
Methyl Butyl Ketone (2-Hexanone)	1.6	U	1.6	4.1
Dibromochloromethane	0.51	U	0.34	3.4
1,2-Dibromoethane	1.2	U	0.31	3.1
Chlorobenzene	0.90	J D	0.075	1.8
Ethylbenzene	4.6	D	0.11	1.7
m,p-Xylene	13	D	0.20	4.3
Xylene, o-	4.3	D	0.14	1.7
Xylene (total)	18		0.30	1.7
Styrene	2.5	D	0.15	1.7
Bromoform	0.62	U	0.21	4.1
Cumene	0.67	J D	0.16	2.0
1,1,2,2-Tetrachloroethane	0.41	U	0.22	2.7
n-Propylbenzene	1.0	J D	0.79	2.0
4-Ethyltoluene	1.4	J D	0.18	2.0
1,3,5-Trimethylbenzene	1.3	J D	0.12	2.0
2-Chlorotoluene	0.30	J D	0.13	2.1

Client: FPM Remediations Inc

Job Number: 280-58004-1

Client Sample ID: **786VMP0102LA**

Lab Sample ID: 280-58004-3
Client Matrix: Air

Date Sampled: 07/18/2014 1500
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75709	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8889_006.d
Dilution:	2.0			Initial Weight/Volume:	100 mL
Analysis Date:	08/06/2014 1610			Final Weight/Volume:	200 mL
Prep Date:	08/06/2014 1610			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
tert-Butylbenzene	0.33	U	0.19	2.2
1,2,4-Trimethylbenzene	4.2	D	0.14	2.0
sec-Butylbenzene	0.88	U	0.88	2.2
4-Isopropyltoluene	0.88	U	0.88	2.2
1,3-Dichlorobenzene	16	D	0.17	2.4
1,4-Dichlorobenzene	0.36	U	0.17	2.4
Benzyl chloride	0.83	U	0.83	2.1
n-Butylbenzene	0.88	U	0.88	2.2
1,2-Dichlorobenzene	0.36	U	0.17	2.4
1,2,4-Trichlorobenzene	0.59	J D	0.40	7.4
Hexachlorobutadiene	1.7	U	0.47	4.3
Naphthalene	2.1	U	2.1	5.2

Client: FPM Remediations Inc

Job Number: 280-58004-1

Client Sample ID: **785IA13**

Lab Sample ID: 280-58004-4
Client Matrix: Air

Date Sampled: 07/17/2014 1020
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75167	Instrument ID:	CHG.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8660_024.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	07/23/2014 0531			Final Weight/Volume:	200 mL
Prep Date:	07/23/2014 0531			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	0.52		0.030	0.50
Freon 22	0.31	J	0.048	0.50
1,2-Dichlorotetrafluoroethane	0.080	U	0.035	0.20
Chloromethane	0.75		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	0.26		0.030	0.20
Freon TF	0.090	J M	0.018	0.20
1,1-Dichloroethene	0.080	U	0.024	0.20
Acetone	7.8		1.3	5.0
Isopropyl alcohol	0.85	J	0.22	5.0
Carbon disulfide	2.2		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	0.081	J	0.034	0.20
1,1-Dichloroethane	0.080	U	0.038	0.20
Methyl Ethyl Ketone	1.3		0.24	0.50
cis-1,2-Dichloroethene	0.21		0.038	0.20
1,2-Dichloroethene, Total	0.21		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	0.081	J	0.021	0.20
2,2,4-Trimethylpentane	0.080	U	0.027	0.20
Benzene	0.095	J	0.019	0.20
1,2-Dichloroethane	0.030	U	0.017	0.20
n-Heptane	0.080	U	0.046	0.20
Trichloroethene	0.16	J	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	3.1	J	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	0.091	J	0.027	0.50
Toluene	0.35		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

Client: FPM Remediations Inc

Job Number: 280-58004-1

Client Sample ID: **785IA13**

Lab Sample ID: 280-58004-4
Client Matrix: Air

Date Sampled: 07/17/2014 1020
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75167	Instrument ID:	CHG.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8660_024.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	07/23/2014 0531			Final Weight/Volume:	200 mL
Prep Date:	07/23/2014 0531			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	0.16	J	0.013	0.20
m,p-Xylene	0.48	J	0.023	0.50
Xylene, o-	0.093	J	0.016	0.20
Xylene (total)	0.57		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	0.023	J	0.018	0.20
1,3,5-Trimethylbenzene	0.030	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	0.085	J	0.014	0.20
sec-Butylbenzene	0.080	U	0.080	0.20
4-Isopropyltoluene	0.10	J	0.080	0.20
1,3-Dichlorobenzene	0.030	U	0.014	0.20
1,4-Dichlorobenzene	0.019	J	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	2.6		0.15	2.5
Freon 22	1.1	J	0.17	1.8
1,2-Dichlorotetrafluoroethane	0.56	U	0.24	1.4
Chloromethane	1.5		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	1.5		0.17	1.1
Freon TF	0.69	J M	0.14	1.5
1,1-Dichloroethene	0.32	U	0.095	0.79
Acetone	19		3.0	12
Isopropyl alcohol	2.1	J	0.53	12
Carbon disulfide	6.8		0.21	1.6

Client: FPM Remediations Inc

Job Number: 280-58004-1

Client Sample ID: **785IA13**

Lab Sample ID: 280-58004-4
Client Matrix: Air

Date Sampled: 07/17/2014 1020
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75167	Instrument ID:	CHG.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8660_024.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	07/23/2014 0531			Final Weight/Volume:	200 mL
Prep Date:	07/23/2014 0531			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	0.29	J	0.12	0.70
1,1-Dichloroethane	0.32	U	0.15	0.81
Methyl Ethyl Ketone	3.9		0.71	1.5
cis-1,2-Dichloroethene	0.84		0.15	0.79
1,2-Dichloroethene, Total	0.83		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	0.51	J	0.13	1.3
2,2,4-Trimethylpentane	0.37	U	0.13	0.93
Benzene	0.30	J	0.061	0.64
1,2-Dichloroethane	0.12	U	0.069	0.81
n-Heptane	0.33	U	0.19	0.82
Trichloroethene	0.88	J	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	11	J	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	0.37	J	0.11	2.0
Toluene	1.3		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	0.69	J	0.056	0.87
m,p-Xylene	2.1	J	0.10	2.2
Xylene, o-	0.40	J	0.069	0.87
Xylene (total)	2.5		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	0.12	J	0.088	0.98
1,3,5-Trimethylbenzene	0.15	J	0.059	0.98
2-Chlorotoluene	0.16	U	0.067	1.0

Client: FPM Remediations Inc

Job Number: 280-58004-1

Client Sample ID: **785IA13**

Lab Sample ID: 280-58004-4
Client Matrix: Air

Date Sampled: 07/17/2014 1020
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75167	Instrument ID:	CHG.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8660_024.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	07/23/2014 0531			Final Weight/Volume:	200 mL
Prep Date:	07/23/2014 0531			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
tert-Butylbenzene	0.16	U	0.093	1.1
1,2,4-Trimethylbenzene	0.42	J	0.069	0.98
sec-Butylbenzene	0.44	U	0.44	1.1
4-Isopropyltoluene	0.56	J	0.44	1.1
1,3-Dichlorobenzene	0.18	U	0.084	1.2
1,4-Dichlorobenzene	0.11	J	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

Client: FPM Remediations Inc

Job Number: 280-58004-1

Client Sample ID: **786IA12**

Lab Sample ID: 280-58004-5
Client Matrix: Air

Date Sampled: 07/17/2014 1030
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75167	Instrument ID:	CHG.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8660_027.D
Dilution:	1.0			Initial Weight/Volume:	394 mL
Analysis Date:	07/23/2014 0838			Final Weight/Volume:	200 mL
Prep Date:	07/23/2014 0838			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	0.50		0.030	0.50
Freon 22	0.32	J	0.048	0.50
1,2-Dichlorotetrafluoroethane	0.080	U	0.035	0.20
Chloromethane	0.57		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	0.031	J	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		0.030	0.20
Freon TF	0.077	J	0.018	0.20
1,1-Dichloroethene	0.080	U	0.024	0.20
Acetone	3.9	J	1.3	5.0
Isopropyl alcohol	0.73	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	0.052	J	0.034	0.20
1,1-Dichloroethane	0.080	U	0.038	0.20
Methyl Ethyl Ketone	0.40	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	0.071	J	0.021	0.20
2,2,4-Trimethylpentane	0.080	U	0.027	0.20
Benzene	0.068	J	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	0.14	J	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	0.18	J	0.016	0.20

Client: FPM Remediations Inc

Job Number: 280-58004-1

Client Sample ID: **786IA12**

Lab Sample ID: 280-58004-5
Client Matrix: Air

Date Sampled: 07/17/2014 1030
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75167	Instrument ID:	CHG.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8660_027.D
Dilution:	1.0			Initial Weight/Volume:	394 mL
Analysis Date:	07/23/2014 0838			Final Weight/Volume:	200 mL
Prep Date:	07/23/2014 0838			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	0.025	J	0.013	0.20
m,p-Xylene	0.069	J M	0.023	0.50
Xylene, o-	0.025	J M	0.016	0.20
Xylene (total)	0.094	J	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	0.031	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	2.5		0.15	2.5
Freon 22	1.1	J	0.17	1.8
1,2-Dichlorotetrafluoroethane	0.56	U	0.24	1.4
Chloromethane	1.2		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	0.12	J	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		0.17	1.1
Freon TF	0.59	J	0.14	1.5
1,1-Dichloroethene	0.32	U	0.095	0.79
Acetone	9.2	J	3.0	12
Isopropyl alcohol	1.8	J	0.53	12
Carbon disulfide	0.62	U	0.21	1.6

Client: FPM Remediations Inc

Job Number: 280-58004-1

Client Sample ID: **786IA12**

Lab Sample ID: 280-58004-5
Client Matrix: Air

Date Sampled: 07/17/2014 1030
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75167	Instrument ID:	CHG.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8660_027.D
Dilution:	1.0			Initial Weight/Volume:	394 mL
Analysis Date:	07/23/2014 0838			Final Weight/Volume:	200 mL
Prep Date:	07/23/2014 0838			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	0.18	J	0.12	0.70
1,1-Dichloroethane	0.32	U	0.15	0.81
Methyl Ethyl Ketone	1.2	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	0.45	J	0.13	1.3
2,2,4-Trimethylpentane	0.37	U	0.13	0.93
Benzene	0.22	J	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	0.52	J	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	1.2	J	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	0.11	J	0.056	0.87
m,p-Xylene	0.30	J M	0.10	2.2
Xylene, o-	0.11	J M	0.069	0.87
Xylene (total)	0.41	J	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

Client: FPM Remediations Inc

Job Number: 280-58004-1

Client Sample ID: **786IA12**

Lab Sample ID: 280-58004-5
Client Matrix: Air

Date Sampled: 07/17/2014 1030
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75167	Instrument ID:	CHG.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8660_027.D
Dilution:	1.0			Initial Weight/Volume:	394 mL
Analysis Date:	07/23/2014 0838			Final Weight/Volume:	200 mL
Prep Date:	07/23/2014 0838			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	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

Client: FPM Remediations Inc

Job Number: 280-58004-1

Client Sample ID: **785786OA09**

Lab Sample ID: 280-58004-6
Client Matrix: Air

Date Sampled: 07/17/2014 1040
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75211	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8677_024.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	07/24/2014 0320			Final Weight/Volume:	200 mL
Prep Date:	07/24/2014 0320			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	0.51		0.030	0.50
Freon 22	0.24	J	0.048	0.50
1,2-Dichlorotetrafluoroethane	0.080	U	0.035	0.20
Chloromethane	0.57		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	0.22		0.030	0.20
Freon TF	0.071	J	0.018	0.20
1,1-Dichloroethene	0.080	U	0.024	0.20
Acetone	2.6	J	1.3	5.0
Isopropyl alcohol	0.44	J	0.22	5.0
Carbon disulfide	0.19	J	0.066	0.50
3-Chloropropene	0.080	U	0.034	0.50
Methylene Chloride	0.20	J	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	0.44	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	0.047	J	0.021	0.20
2,2,4-Trimethylpentane	0.080	U	0.027	0.20
Benzene	0.044	J	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	0.15	J	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

Client: FPM Remediations Inc

Job Number: 280-58004-1

Client Sample ID: **785786OA09**

Lab Sample ID: 280-58004-6
Client Matrix: Air

Date Sampled: 07/17/2014 1040
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75211	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8677_024.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	07/24/2014 0320			Final Weight/Volume:	200 mL
Prep Date:	07/24/2014 0320			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	0.033	J	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	0.015	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	2.5		0.15	2.5
Freon 22	0.84	J	0.17	1.8
1,2-Dichlorotetrafluoroethane	0.56	U	0.24	1.4
Chloromethane	1.2		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	1.2		0.17	1.1
Freon TF	0.54	J	0.14	1.5
1,1-Dichloroethene	0.32	U	0.095	0.79
Acetone	6.2	J	3.0	12
Isopropyl alcohol	1.1	J	0.53	12
Carbon disulfide	0.59	J	0.21	1.6

Client: FPM Remediations Inc

Job Number: 280-58004-1

Client Sample ID: **785786OA09**

Lab Sample ID: 280-58004-6
Client Matrix: Air

Date Sampled: 07/17/2014 1040
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75211	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8677_024.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	07/24/2014 0320			Final Weight/Volume:	200 mL
Prep Date:	07/24/2014 0320			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
3-Chloropropene	0.25	U	0.11	1.6
Methylene Chloride	0.68	J	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	1.3	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	0.30	J	0.13	1.3
2,2,4-Trimethylpentane	0.37	U	0.13	0.93
Benzene	0.14	J	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	0.58	J	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	0.14	J	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

Client: FPM Remediations Inc

Job Number: 280-58004-1

Client Sample ID: **785786OA09**

Lab Sample ID: 280-58004-6
Client Matrix: Air

Date Sampled: 07/17/2014 1040
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75211	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8677_024.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	07/24/2014 0320			Final Weight/Volume:	200 mL
Prep Date:	07/24/2014 0320			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
tert-Butylbenzene	0.16	U	0.093	1.1
1,2,4-Trimethylbenzene	0.073	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

Client: FPM Remediations Inc

Job Number: 280-58004-1

Client Sample ID: **785VMP0202MA**

Lab Sample ID: 280-58004-7
Client Matrix: Air

Date Sampled: 07/18/2014 1340
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75709	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8889_007.d
Dilution:	2.0			Initial Weight/Volume:	100 mL
Analysis Date:	08/06/2014 1659			Final Weight/Volume:	200 mL
Prep Date:	08/06/2014 1659			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	0.93	J D	0.060	1.0
Freon 22	0.56	J D	0.096	1.0
1,2-Dichlorotetrafluoroethane	0.16	U	0.070	0.40
Chloromethane	6.0	D	0.27	1.0
n-Butane	1.2	D	0.56	1.0
Vinyl chloride	0.16	U	0.076	0.40
1,3-Butadiene	0.16	U	0.084	0.40
Bromomethane	0.16	U	0.056	0.40
Chloroethane	0.16	U	0.060	1.0
Bromoethene(Vinyl Bromide)	0.16	U	0.060	0.40
Trichlorofluoromethane	0.49	D	0.060	0.40
Freon TF	0.34	J D	0.036	0.40
1,1-Dichloroethene	0.16	U	0.048	0.40
Acetone	12	D	2.5	10
Isopropyl alcohol	12	D	0.43	10
Carbon disulfide	1.5	D	0.13	1.0
3-Chloropropene	0.16	U	0.068	1.0
Methylene Chloride	0.40	U	0.25	1.0
tert-Butyl alcohol	2.9	J D	0.66	10
Methyl tert-butyl ether	0.11	J D	0.044	0.40
trans-1,2-Dichloroethene	0.16	U	0.058	0.40
n-Hexane	2.1	D	0.068	0.40
1,1-Dichloroethane	0.16	U	0.076	0.40
Methyl Ethyl Ketone	3.4	D	0.48	1.0
cis-1,2-Dichloroethene	0.51	D	0.076	0.40
1,2-Dichloroethene, Total	0.51		0.13	0.40
Chloroform	5.3	D	0.050	0.40
Tetrahydrofuran	32	D	0.092	10
1,1,1-Trichloroethane	0.16	U	0.042	0.40
Cyclohexane	0.16	U	0.050	0.40
Carbon tetrachloride	0.14	J D	0.042	0.40
2,2,4-Trimethylpentane	0.16	U	0.054	0.40
Benzene	0.21	J D	0.038	0.40
1,2-Dichloroethane	0.060	U	0.034	0.40
n-Heptane	0.16	U	0.092	0.40
Trichloroethene	74	D	0.048	0.40
Methyl methacrylate	0.16	U	0.060	1.0
1,2-Dichloropropane	0.16	U	0.064	0.40
1,4-Dioxane	0.40	U	0.40	10
Bromodichloromethane	0.060	U	0.034	0.40
cis-1,3-Dichloropropene	0.16	U	0.056	0.40
methyl isobutyl ketone	0.30	J D	0.054	1.0
Toluene	0.50	D	0.034	0.40
trans-1,3-Dichloropropene	0.16	U	0.044	0.40
1,1,2-Trichloroethane	0.060	U	0.034	0.40
Tetrachloroethene	0.060	U	0.032	0.40

Client: FPM Remediations Inc

Job Number: 280-58004-1

Client Sample ID: **785VMP0202MA**

Lab Sample ID: 280-58004-7
Client Matrix: Air

Date Sampled: 07/18/2014 1340
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75709	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8889_007.d
Dilution:	2.0			Initial Weight/Volume:	100 mL
Analysis Date:	08/06/2014 1659			Final Weight/Volume:	200 mL
Prep Date:	08/06/2014 1659			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Methyl Butyl Ketone (2-Hexanone)	0.40	U	0.40	1.0
Dibromochloromethane	0.060	U	0.040	0.40
1,2-Dibromoethane	0.16	U	0.040	0.40
Chlorobenzene	0.060	U	0.016	0.40
Ethylbenzene	0.17	J D	0.026	0.40
m,p-Xylene	0.37	J D	0.046	1.0
Xylene, o-	0.16	J D	0.032	0.40
Xylene (total)	0.53		0.068	0.40
Styrene	0.067	J D	0.036	0.40
Bromoform	0.060	U	0.020	0.40
Cumene	0.039	J D	0.032	0.40
1,1,2,2-Tetrachloroethane	0.060	U	0.032	0.40
n-Propylbenzene	0.16	U	0.16	0.40
4-Ethyltoluene	0.061	J D	0.036	0.40
1,3,5-Trimethylbenzene	0.078	J D	0.024	0.40
2-Chlorotoluene	0.060	U	0.026	0.40
tert-Butylbenzene	0.060	U	0.034	0.40
1,2,4-Trimethylbenzene	0.29	J D	0.028	0.40
sec-Butylbenzene	0.16	U	0.16	0.40
4-Isopropyltoluene	0.16	U	0.16	0.40
1,3-Dichlorobenzene	0.51	D	0.028	0.40
1,4-Dichlorobenzene	0.060	U	0.028	0.40
Benzyl chloride	0.16	U	0.16	0.40
n-Butylbenzene	0.16	U	0.16	0.40
1,2-Dichlorobenzene	0.060	U	0.028	0.40
1,2,4-Trichlorobenzene	0.16	U	0.054	1.0
Hexachlorobutadiene	0.16	U	0.044	0.40
Naphthalene	0.40	U	0.40	1.0

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
Dichlorodifluoromethane	4.6	J D	0.30	4.9
Freon 22	2.0	J D	0.34	3.5
1,2-Dichlorotetrafluoroethane	1.1	U	0.49	2.8
Chloromethane	12	D	0.56	2.1
n-Butane	2.9	D	1.3	2.4
Vinyl chloride	0.41	U	0.19	1.0
1,3-Butadiene	0.35	U	0.19	0.88
Bromomethane	0.62	U	0.22	1.6
Chloroethane	0.42	U	0.16	2.6
Bromoethene(Vinyl Bromide)	0.70	U	0.26	1.7
Trichlorofluoromethane	2.7	D	0.34	2.2
Freon TF	2.6	J D	0.28	3.1
1,1-Dichloroethene	0.63	U	0.19	1.6
Acetone	28	D	5.9	24
Isopropyl alcohol	29	D	1.1	25
Carbon disulfide	4.7	D	0.41	3.1

Client: FPM Remediations Inc

Job Number: 280-58004-1

Client Sample ID: **785VMP0202MA**

Lab Sample ID: 280-58004-7
Client Matrix: Air

Date Sampled: 07/18/2014 1340
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75709	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8889_007.d
Dilution:	2.0			Initial Weight/Volume:	100 mL
Analysis Date:	08/06/2014 1659			Final Weight/Volume:	200 mL
Prep Date:	08/06/2014 1659			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
3-Chloropropene	0.50	U	0.21	3.1
Methylene Chloride	1.4	U	0.87	3.5
tert-Butyl alcohol	8.9	J D	2.0	30
Methyl tert-butyl ether	0.38	J D	0.16	1.4
trans-1,2-Dichloroethene	0.63	U	0.23	1.6
n-Hexane	7.5	D	0.24	1.4
1,1-Dichloroethane	0.65	U	0.31	1.6
Methyl Ethyl Ketone	10	D	1.4	2.9
cis-1,2-Dichloroethene	2.0	D	0.30	1.6
1,2-Dichloroethene, Total	2.0		0.51	1.6
Chloroform	26	D	0.24	2.0
Tetrahydrofuran	95	D	0.27	29
1,1,1-Trichloroethane	0.87	U	0.23	2.2
Cyclohexane	0.55	U	0.17	1.4
Carbon tetrachloride	0.86	J D	0.26	2.5
2,2,4-Trimethylpentane	0.75	U	0.25	1.9
Benzene	0.68	J D	0.12	1.3
1,2-Dichloroethane	0.24	U	0.14	1.6
n-Heptane	0.66	U	0.38	1.6
Trichloroethene	400	D	0.26	2.1
Methyl methacrylate	0.66	U	0.25	4.1
1,2-Dichloropropane	0.74	U	0.30	1.8
1,4-Dioxane	1.4	U	1.4	36
Bromodichloromethane	0.40	U	0.23	2.7
cis-1,3-Dichloropropene	0.73	U	0.25	1.8
methyl isobutyl ketone	1.2	J D	0.22	4.1
Toluene	1.9	D	0.13	1.5
trans-1,3-Dichloropropene	0.73	U	0.20	1.8
1,1,2-Trichloroethane	0.33	U	0.19	2.2
Tetrachloroethene	0.41	U	0.22	2.7
Methyl Butyl Ketone (2-Hexanone)	1.6	U	1.6	4.1
Dibromochloromethane	0.51	U	0.34	3.4
1,2-Dibromoethane	1.2	U	0.31	3.1
Chlorobenzene	0.28	U	0.075	1.8
Ethylbenzene	0.76	J D	0.11	1.7
m,p-Xylene	1.6	J D	0.20	4.3
Xylene, o-	0.68	J D	0.14	1.7
Xylene (total)	2.3		0.30	1.7
Styrene	0.29	J D	0.15	1.7
Bromoform	0.62	U	0.21	4.1
Cumene	0.19	J D	0.16	2.0
1,1,2,2-Tetrachloroethane	0.41	U	0.22	2.7
n-Propylbenzene	0.79	U	0.79	2.0
4-Ethyltoluene	0.30	J D	0.18	2.0
1,3,5-Trimethylbenzene	0.38	J D	0.12	2.0
2-Chlorotoluene	0.31	U	0.13	2.1

Client: FPM Remediations Inc

Job Number: 280-58004-1

Client Sample ID: **785VMP0202MA**

Lab Sample ID: 280-58004-7
Client Matrix: Air

Date Sampled: 07/18/2014 1340
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75709	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8889_007.d
Dilution:	2.0			Initial Weight/Volume:	100 mL
Analysis Date:	08/06/2014 1659			Final Weight/Volume:	200 mL
Prep Date:	08/06/2014 1659			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
tert-Butylbenzene	0.33	U	0.19	2.2
1,2,4-Trimethylbenzene	1.4	J D	0.14	2.0
sec-Butylbenzene	0.88	U	0.88	2.2
4-Isopropyltoluene	0.88	U	0.88	2.2
1,3-Dichlorobenzene	3.1	D	0.17	2.4
1,4-Dichlorobenzene	0.36	U	0.17	2.4
Benzyl chloride	0.83	U	0.83	2.1
n-Butylbenzene	0.88	U	0.88	2.2
1,2-Dichlorobenzene	0.36	U	0.17	2.4
1,2,4-Trichlorobenzene	1.2	U	0.40	7.4
Hexachlorobutadiene	1.7	U	0.47	4.3
Naphthalene	2.1	U	2.1	5.2

Client: FPM Remediations Inc

Job Number: 280-58004-1

Client Sample ID: **785VMP0501JA**

Lab Sample ID: 280-58004-8
Client Matrix: Air

Date Sampled: 07/18/2014 1350
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75709	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8889_026.d
Dilution:	104			Initial Weight/Volume:	100 mL
Analysis Date:	08/07/2014 0839			Final Weight/Volume:	200 mL
Prep Date:	08/07/2014 0839			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	8.3	U	3.1	52
Freon 22	8.3	U	5.0	52
1,2-Dichlorotetrafluoroethane	8.3	U	3.6	21
Chloromethane	52	U	14	52
n-Butane	52	U	29	52
Vinyl chloride	8.3	U	4.0	21
1,3-Butadiene	8.3	U	4.4	21
Bromomethane	8.3	U	2.9	21
Chloroethane	8.3	U	3.1	52
Bromoethene(Vinyl Bromide)	8.3	U	3.1	21
Trichlorofluoromethane	8.3	U	3.1	21
Freon TF	3.1	U	1.9	21
1,1-Dichloroethene	8.3	U	2.5	21
Acetone	1100	D	130	520
Isopropyl alcohol	52	U	22	520
Carbon disulfide	21	U	6.9	52
3-Chloropropene	8.3	U	3.5	52
Methylene Chloride	21	U	13	52
tert-Butyl alcohol	52	U	34	520
Methyl tert-butyl ether	8.3	U	2.3	21
trans-1,2-Dichloroethene	8.3	U	3.0	21
n-Hexane	8.3	U	3.5	21
1,1-Dichloroethane	8.3	U	4.0	21
Methyl Ethyl Ketone	400	D	25	52
cis-1,2-Dichloroethene	8.3	U	4.0	21
1,2-Dichloroethene, Total	8.3	U	6.7	21
Chloroform	9.4	J D M	2.6	21
Tetrahydrofuran	2300	D	4.8	520
1,1,1-Trichloroethane	8.3	U	2.2	21
Cyclohexane	8.3	U	2.6	21
Carbon tetrachloride	8.3	U	2.2	21
2,2,4-Trimethylpentane	8.3	U	2.8	21
Benzene	3.1	U	2.0	21
1,2-Dichloroethane	3.1	U	1.8	21
n-Heptane	8.3	U	4.8	21
Trichloroethene	94	D	2.5	21
Methyl methacrylate	8.3	U	3.1	52
1,2-Dichloropropane	8.3	U	3.3	21
1,4-Dioxane	21	U	21	520
Bromodichloromethane	3.1	U	1.8	21
cis-1,3-Dichloropropene	8.3	U	2.9	21
methyl isobutyl ketone	8.3	U	2.8	52
Toluene	3.1	U	1.8	21
trans-1,3-Dichloropropene	8.3	U	2.3	21
1,1,2-Trichloroethane	3.1	U	1.8	21
Tetrachloroethene	3.1	U	1.7	21

Client: FPM Remediations Inc

Job Number: 280-58004-1

Client Sample ID: **785VMP0501JA**

Lab Sample ID: 280-58004-8
Client Matrix: Air

Date Sampled: 07/18/2014 1350
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75709	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8889_026.d
Dilution:	104			Initial Weight/Volume:	100 mL
Analysis Date:	08/07/2014 0839			Final Weight/Volume:	200 mL
Prep Date:	08/07/2014 0839			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Methyl Butyl Ketone (2-Hexanone)	21	U	21	52
Dibromochloromethane	3.1	U	2.1	21
1,2-Dibromoethane	8.3	U	2.1	21
Chlorobenzene	3.1	U	0.84	21
Ethylbenzene	3.1	U	1.4	21
m,p-Xylene	8.3	U	2.4	52
Xylene, o-	3.1	U	1.7	21
Xylene (total)	8.3	U	3.5	21
Styrene	3.1	U	1.9	21
Bromoform	3.1	U	1.0	21
Cumene	3.1	U	1.7	21
1,1,2,2-Tetrachloroethane	3.1	U	1.7	21
n-Propylbenzene	8.3	U	8.3	21
4-Ethyltoluene	3.1	U	1.9	21
1,3,5-Trimethylbenzene	3.1	U	1.2	21
2-Chlorotoluene	3.1	U	1.4	21
tert-Butylbenzene	3.1	U	1.8	21
1,2,4-Trimethylbenzene	3.1	U	1.5	21
sec-Butylbenzene	8.3	U	8.3	21
4-Isopropyltoluene	8.3	U	8.3	21
1,3-Dichlorobenzene	3.1	U	1.5	21
1,4-Dichlorobenzene	3.1	U	1.5	21
Benzyl chloride	8.3	U	8.3	21
n-Butylbenzene	8.3	U	8.3	21
1,2-Dichlorobenzene	3.1	U	1.5	21
1,2,4-Trichlorobenzene	8.3	U	2.8	52
Hexachlorobutadiene	8.3	U	2.3	21
Naphthalene	21	U	21	52

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
Dichlorodifluoromethane	41	U	15	260
Freon 22	29	U	18	180
1,2-Dichlorotetrafluoroethane	58	U	25	150
Chloromethane	110	U	29	110
n-Butane	120	U	70	120
Vinyl chloride	21	U	10	53
1,3-Butadiene	18	U	9.7	46
Bromomethane	32	U	11	81
Chloroethane	22	U	8.2	140
Bromoethene(Vinyl Bromide)	36	U	14	91
Trichlorofluoromethane	47	U	18	120
Freon TF	24	U	14	160
1,1-Dichloroethene	33	U	9.9	82
Acetone	2600	D	310	1200
Isopropyl alcohol	130	U	55	1300
Carbon disulfide	65	U	21	160

Client: FPM Remediations Inc

Job Number: 280-58004-1

Client Sample ID: **785VMP0501JA**

Lab Sample ID: 280-58004-8
Client Matrix: Air

Date Sampled: 07/18/2014 1350
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75709	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8889_026.d
Dilution:	104			Initial Weight/Volume:	100 mL
Analysis Date:	08/07/2014 0839			Final Weight/Volume:	200 mL
Prep Date:	08/07/2014 0839			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
3-Chloropropene	26	U	11	160
Methylene Chloride	72	U	45	180
tert-Butyl alcohol	160	U	100	1600
Methyl tert-butyl ether	30	U	8.2	75
trans-1,2-Dichloroethene	33	U	12	82
n-Hexane	29	U	12	73
1,1-Dichloroethane	34	U	16	84
Methyl Ethyl Ketone	1200	D	74	150
cis-1,2-Dichloroethene	33	U	16	82
1,2-Dichloroethene, Total	33	U	26	82
Chloroform	46	J D M	13	100
Tetrahydrofuran	6900	D	14	1500
1,1,1-Trichloroethane	45	U	12	110
Cyclohexane	29	U	8.9	72
Carbon tetrachloride	52	U	14	130
2,2,4-Trimethylpentane	39	U	13	97
Benzene	10	U	6.3	66
1,2-Dichloroethane	13	U	7.2	84
n-Heptane	34	U	20	85
Trichloroethene	510	D	13	110
Methyl methacrylate	34	U	13	210
1,2-Dichloropropane	38	U	15	96
1,4-Dioxane	75	U	75	1900
Bromodichloromethane	21	U	12	140
cis-1,3-Dichloropropene	38	U	13	94
methyl isobutyl ketone	34	U	12	210
Toluene	12	U	6.7	78
trans-1,3-Dichloropropene	38	U	10	94
1,1,2-Trichloroethane	17	U	9.6	110
Tetrachloroethene	21	U	11	140
Methyl Butyl Ketone (2-Hexanone)	85	U	85	210
Dibromochloromethane	27	U	18	180
1,2-Dibromoethane	64	U	16	160
Chlorobenzene	14	U	3.9	96
Ethylbenzene	14	U	5.9	90
m,p-Xylene	36	U	10	230
Xylene, o-	14	U	7.2	90
Xylene (total)	36	U	15	90
Styrene	13	U	8.0	89
Bromoform	32	U	11	220
Cumene	15	U	8.2	100
1,1,2,2-Tetrachloroethane	21	U	11	140
n-Propylbenzene	41	U	41	100
4-Ethyltoluene	15	U	9.2	100
1,3,5-Trimethylbenzene	15	U	6.1	100
2-Chlorotoluene	16	U	7.0	110

Client: FPM Remediations Inc

Job Number: 280-58004-1

Client Sample ID: **785VMP0501JA**

Lab Sample ID: 280-58004-8
Client Matrix: Air

Date Sampled: 07/18/2014 1350
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75709	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8889_026.d
Dilution:	104			Initial Weight/Volume:	100 mL
Analysis Date:	08/07/2014 0839			Final Weight/Volume:	200 mL
Prep Date:	08/07/2014 0839			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
tert-Butylbenzene	17	U	9.7	110
1,2,4-Trimethylbenzene	15	U	7.2	100
sec-Butylbenzene	46	U	46	110
4-Isopropyltoluene	46	U	46	110
1,3-Dichlorobenzene	19	U	8.8	130
1,4-Dichlorobenzene	19	U	8.8	130
Benzyl chloride	43	U	43	110
n-Butylbenzene	46	U	46	110
1,2-Dichlorobenzene	19	U	8.8	130
1,2,4-Trichlorobenzene	62	U	21	390
Hexachlorobutadiene	89	U	24	220
Naphthalene	110	U	110	270

Client: FPM Remediations Inc

Job Number: 280-58004-1

Client Sample ID: **785VMP0401LA**

Lab Sample ID: 280-58004-9
Client Matrix: Air

Date Sampled: 07/18/2014 1400
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75709	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8889_009.d
Dilution:	396			Initial Weight/Volume:	31 mL
Analysis Date:	08/06/2014 1836			Final Weight/Volume:	200 mL
Prep Date:	08/06/2014 1836			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	32	U	12	200
Freon 22	32	U	19	200
1,2-Dichlorotetrafluoroethane	32	U	14	79
Chloromethane	200	U	54	200
n-Butane	200	U	110	200
Vinyl chloride	32	U	15	79
1,3-Butadiene	32	U	17	79
Bromomethane	32	U	11	79
Chloroethane	32	U	12	200
Bromoethene(Vinyl Bromide)	32	U	12	79
Trichlorofluoromethane	32	U	12	79
Freon TF	12	U	7.1	79
1,1-Dichloroethene	32	U	9.5	79
Acetone	3300	D	500	2000
Isopropyl alcohol	200	U	85	2000
Carbon disulfide	79	U	26	200
3-Chloropropene	32	U	13	200
Methylene Chloride	79	U	50	200
tert-Butyl alcohol	200	U	130	2000
Methyl tert-butyl ether	32	U	8.7	79
trans-1,2-Dichloroethene	32	U	11	79
n-Hexane	32	U	13	79
1,1-Dichloroethane	32	U	15	79
Methyl Ethyl Ketone	770	D	96	200
cis-1,2-Dichloroethene	32	U	15	79
1,2-Dichloroethene, Total	32	U	25	79
Chloroform	32	U	9.9	79
Tetrahydrofuran	6800	D	18	2000
1,1,1-Trichloroethane	32	U	8.3	79
Cyclohexane	32	U	9.9	79
Carbon tetrachloride	32	U	8.3	79
2,2,4-Trimethylpentane	32	U	11	79
Benzene	12	U	7.5	79
1,2-Dichloroethane	12	U	6.7	79
n-Heptane	32	U	18	79
Trichloroethene	31	J D	9.5	79
Methyl methacrylate	32	U	12	200
1,2-Dichloropropane	32	U	13	79
1,4-Dioxane	79	U	79	2000
Bromodichloromethane	12	U	6.7	79
cis-1,3-Dichloropropene	32	U	11	79
methyl isobutyl ketone	32	U	11	200
Toluene	12	U	6.7	79
trans-1,3-Dichloropropene	32	U	8.7	79
1,1,2-Trichloroethane	12	U	6.7	79
Tetrachloroethene	12	U	6.3	79

Client: FPM Remediations Inc

Job Number: 280-58004-1

Client Sample ID: **785VMP0401LA**

Lab Sample ID: 280-58004-9
Client Matrix: Air

Date Sampled: 07/18/2014 1400
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75709	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8889_009.d
Dilution:	396			Initial Weight/Volume:	31 mL
Analysis Date:	08/06/2014 1836			Final Weight/Volume:	200 mL
Prep Date:	08/06/2014 1836			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Methyl Butyl Ketone (2-Hexanone)	79	U	79	200
Dibromochloromethane	12	U	7.9	79
1,2-Dibromoethane	32	U	7.9	79
Chlorobenzene	12	U	3.2	79
Ethylbenzene	12	U	5.1	79
m,p-Xylene	32	U	9.1	200
Xylene, o-	12	U	6.3	79
Xylene (total)	32	U	13	79
Styrene	12	U	7.1	79
Bromoform	12	U	4.0	79
Cumene	12	U	6.3	79
1,1,2,2-Tetrachloroethane	12	U	6.3	79
n-Propylbenzene	32	U	32	79
4-Ethyltoluene	12	U	7.1	79
1,3,5-Trimethylbenzene	12	U	4.8	79
2-Chlorotoluene	12	U	5.1	79
tert-Butylbenzene	12	U	6.7	79
1,2,4-Trimethylbenzene	12	U	5.5	79
sec-Butylbenzene	32	U	32	79
4-Isopropyltoluene	32	U	32	79
1,3-Dichlorobenzene	12	U	5.5	79
1,4-Dichlorobenzene	12	U	5.5	79
Benzyl chloride	32	U	32	79
n-Butylbenzene	32	U	32	79
1,2-Dichlorobenzene	12	U	5.5	79
1,2,4-Trichlorobenzene	32	U	11	200
Hexachlorobutadiene	32	U	8.7	79
Naphthalene	79	U	79	200

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
Dichlorodifluoromethane	160	U	59	980
Freon 22	110	U	67	700
1,2-Dichlorotetrafluoroethane	220	U	97	550
Chloromethane	410	U	110	410
n-Butane	470	U	270	470
Vinyl chloride	81	U	38	200
1,3-Butadiene	70	U	37	180
Bromomethane	120	U	43	310
Chloroethane	84	U	31	520
Bromoethene(Vinyl Bromide)	140	U	52	350
Trichlorofluoromethane	180	U	67	440
Freon TF	91	U	55	610
1,1-Dichloroethene	130	U	38	310
Acetone	7900	D	1200	4700
Isopropyl alcohol	490	U	210	4900
Carbon disulfide	250	U	81	620

Client: FPM Remediations Inc

Job Number: 280-58004-1

Client Sample ID: **785VMP0401LA**

Lab Sample ID: 280-58004-9
Client Matrix: Air

Date Sampled: 07/18/2014 1400
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75709	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8889_009.d
Dilution:	396			Initial Weight/Volume:	31 mL
Analysis Date:	08/06/2014 1836			Final Weight/Volume:	200 mL
Prep Date:	08/06/2014 1836			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
3-Chloropropene	99	U	42	620
Methylene Chloride	280	U	170	690
tert-Butyl alcohol	600	U	390	6000
Methyl tert-butyl ether	110	U	31	290
trans-1,2-Dichloroethene	130	U	46	310
n-Hexane	110	U	47	280
1,1-Dichloroethane	130	U	61	320
Methyl Ethyl Ketone	2300	D	280	580
cis-1,2-Dichloroethene	130	U	60	310
1,2-Dichloroethene, Total	130	U	100	310
Chloroform	150	U	48	390
Tetrahydrofuran	20000	D	54	5800
1,1,1-Trichloroethane	170	U	45	430
Cyclohexane	110	U	34	270
Carbon tetrachloride	200	U	52	500
2,2,4-Trimethylpentane	150	U	50	370
Benzene	38	U	24	250
1,2-Dichloroethane	48	U	27	320
n-Heptane	130	U	75	320
Trichloroethene	170	J D	51	430
Methyl methacrylate	130	U	49	810
1,2-Dichloropropane	150	U	59	370
1,4-Dioxane	290	U	290	7100
Bromodichloromethane	80	U	45	530
cis-1,3-Dichloropropene	140	U	50	360
methyl isobutyl ketone	130	U	44	810
Toluene	45	U	25	300
trans-1,3-Dichloropropene	140	U	40	360
1,1,2-Trichloroethane	65	U	37	430
Tetrachloroethene	81	U	43	540
Methyl Butyl Ketone (2-Hexanone)	320	U	320	810
Dibromochloromethane	100	U	67	670
1,2-Dibromoethane	240	U	61	610
Chlorobenzene	55	U	15	360
Ethylbenzene	52	U	22	340
m,p-Xylene	140	U	40	860
Xylene, o-	52	U	28	340
Xylene (total)	140	U	58	340
Styrene	51	U	30	340
Bromoform	120	U	41	820
Cumene	58	U	31	390
1,1,2,2-Tetrachloroethane	82	U	43	540
n-Propylbenzene	160	U	160	390
4-Ethyltoluene	58	U	35	390
1,3,5-Trimethylbenzene	58	U	23	390
2-Chlorotoluene	62	U	27	410

Client: FPM Remediations Inc

Job Number: 280-58004-1

Client Sample ID: **785VMP0401LA**

Lab Sample ID: 280-58004-9
Client Matrix: Air

Date Sampled: 07/18/2014 1400
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75709	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8889_009.d
Dilution:	396			Initial Weight/Volume:	31 mL
Analysis Date:	08/06/2014 1836			Final Weight/Volume:	200 mL
Prep Date:	08/06/2014 1836			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
tert-Butylbenzene	65	U	37	430
1,2,4-Trimethylbenzene	58	U	27	390
sec-Butylbenzene	170	U	170	430
4-Isopropyltoluene	170	U	170	430
1,3-Dichlorobenzene	71	U	33	480
1,4-Dichlorobenzene	71	U	33	480
Benzyl chloride	160	U	160	410
n-Butylbenzene	170	U	170	430
1,2-Dichlorobenzene	71	U	33	480
1,2,4-Trichlorobenzene	240	U	79	1500
Hexachlorobutadiene	340	U	93	840
Naphthalene	420	U	420	1000

Client: FPM Remediations Inc

Job Number: 280-58004-1

Client Sample ID: **785VMP0202MC**

Lab Sample ID: 280-58004-10
Client Matrix: Air

Date Sampled: 07/18/2014 1340
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75651	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8862_009.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	08/05/2014 1639			Final Weight/Volume:	200 mL
Prep Date:	08/05/2014 1639			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	0.63		0.030	0.50
Freon 22	0.34	J	0.048	0.50
1,2-Dichlorotetrafluoroethane	0.080	U	0.035	0.20
Chloromethane	2.0		0.14	0.50
n-Butane	0.50		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		0.030	0.20
Freon TF	0.079	J	0.018	0.20
1,1-Dichloroethene	0.080	U	0.024	0.20
Acetone	11		1.3	5.0
Isopropyl alcohol	3.0	J	0.22	5.0
Carbon disulfide	0.95		0.066	0.50
3-Chloropropene	0.080	U	0.034	0.50
Methylene Chloride	0.13	J	0.13	0.50
tert-Butyl alcohol	0.83	J	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	0.51		0.034	0.20
1,1-Dichloroethane	0.080	U	0.038	0.20
Methyl Ethyl Ketone	1.9		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	0.40		0.025	0.20
Tetrahydrofuran	5.6		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	0.074	J	0.021	0.20
2,2,4-Trimethylpentane	0.080	U	0.027	0.20
Benzene	0.10	J	0.019	0.20
1,2-Dichloroethane	0.030	U	0.017	0.20
n-Heptane	0.080	U	0.046	0.20
Trichloroethene	3.8		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	1.8	J	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	0.13	J	0.027	0.50
Toluene	0.20		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

Client: FPM Remediations Inc

Job Number: 280-58004-1

Client Sample ID: **785VMP0202MC**

Lab Sample ID: 280-58004-10
Client Matrix: Air

Date Sampled: 07/18/2014 1340
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75651	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8862_009.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	08/05/2014 1639			Final Weight/Volume:	200 mL
Prep Date:	08/05/2014 1639			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Methyl Butyl Ketone (2-Hexanone)	0.30	J M	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	0.041	J	0.013	0.20
m,p-Xylene	0.075	J	0.023	0.50
Xylene, o-	0.033	J	0.016	0.20
Xylene (total)	0.11	J	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	0.012	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	0.053	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	0.031	J	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	3.1		0.15	2.5
Freon 22	1.2	J	0.17	1.8
1,2-Dichlorotetrafluoroethane	0.56	U	0.24	1.4
Chloromethane	4.2		0.28	1.0
n-Butane	1.2		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	1.4		0.17	1.1
Freon TF	0.61	J	0.14	1.5
1,1-Dichloroethene	0.32	U	0.095	0.79
Acetone	26		3.0	12
Isopropyl alcohol	7.5	J	0.53	12
Carbon disulfide	3.0		0.21	1.6

Client: FPM Remediations Inc

Job Number: 280-58004-1

Client Sample ID: **785VMP0202MC**

Lab Sample ID: 280-58004-10
Client Matrix: Air

Date Sampled: 07/18/2014 1340
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75651	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8862_009.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	08/05/2014 1639			Final Weight/Volume:	200 mL
Prep Date:	08/05/2014 1639			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
3-Chloropropene	0.25	U	0.11	1.6
Methylene Chloride	0.45	J	0.43	1.7
tert-Butyl alcohol	2.5	J	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	1.8		0.12	0.70
1,1-Dichloroethane	0.32	U	0.15	0.81
Methyl Ethyl Ketone	5.5		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	2.0		0.12	0.98
Tetrahydrofuran	16		0.14	15
1,1,1-Trichloroethane	0.44	U	0.11	1.1
Cyclohexane	0.28	U	0.086	0.69
Carbon tetrachloride	0.47	J	0.13	1.3
2,2,4-Trimethylpentane	0.37	U	0.13	0.93
Benzene	0.33	J	0.061	0.64
1,2-Dichloroethane	0.12	U	0.069	0.81
n-Heptane	0.33	U	0.19	0.82
Trichloroethene	21		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	6.6	J	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	0.53	J	0.11	2.0
Toluene	0.75		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)	1.2	J M	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	0.18	J	0.056	0.87
m,p-Xylene	0.33	J	0.10	2.2
Xylene, o-	0.15	J	0.069	0.87
Xylene (total)	0.47	J	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	0.059	J	0.059	0.98
2-Chlorotoluene	0.16	U	0.067	1.0

Client: FPM Remediations Inc

Job Number: 280-58004-1

Client Sample ID: **785VMP0202MC**

Lab Sample ID: 280-58004-10
Client Matrix: Air

Date Sampled: 07/18/2014 1340
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75651	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8862_009.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	08/05/2014 1639			Final Weight/Volume:	200 mL
Prep Date:	08/05/2014 1639			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
tert-Butylbenzene	0.16	U	0.093	1.1
1,2,4-Trimethylbenzene	0.26	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	0.19	J	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

Client: FPM Remediations Inc

Job Number: 280-58004-1

Method Blank - Batch: 200-75167

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	MB 200-75167/4	Analysis Batch:	200-75167	Instrument ID:	CHG.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	8660_004.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	07/22/2014 1228	Units:	ppb v/v	Final Weight/Volume:	200 mL
Prep Date:	07/22/2014 1228			Injection Volume:	200 mL
Leach Date:	N/A				

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	0.080	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

Client: FPM Remediations Inc

Job Number: 280-58004-1

Method Blank - Batch: 200-75167

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	MB 200-75167/4	Analysis Batch:	200-75167	Instrument ID:	CHG.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	8660_004.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	07/22/2014 1228	Units:	ppb v/v	Final Weight/Volume:	200 mL
Prep Date:	07/22/2014 1228			Injection Volume:	200 mL
Leach Date:	N/A				

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	0.030	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

Method Blank - Batch: 200-75167

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	MB 200-75167/4	Analysis Batch:	200-75167	Instrument ID:	CHG.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	8660_004.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	07/22/2014 1228	Units:	ug/m3	Final Weight/Volume:	200 mL
Prep Date:	07/22/2014 1228			Injection Volume:	200 mL
Leach Date:	N/A				

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	0.28	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

Client: FPM Remediations Inc

Job Number: 280-58004-1

Method Blank - Batch: 200-75167

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	MB 200-75167/4	Analysis Batch:	200-75167	Instrument ID:	CHG.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	8660_004.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	07/22/2014 1228	Units:	ug/m3	Final Weight/Volume:	200 mL
Prep Date:	07/22/2014 1228			Injection Volume:	200 mL
Leach Date:	N/A				

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	0.18	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

Client: FPM Remediations Inc

Job Number: 280-58004-1

Lab Control Sample - Batch: 200-75167

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	LCS 200-75167/3	Analysis Batch:	200-75167	Instrument ID:	CHG.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	8660_003.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	07/22/2014 1137	Units:	ppb v/v	Final Weight/Volume:	200 mL
Prep Date:	07/22/2014 1137			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Dichlorodifluoromethane	10.0	11.2	112	70 - 130	
Freon 22	10.0	11.8	118	70 - 130	
1,2-Dichlorotetrafluoroethane	10.0	12.6	126	70 - 130	
Chloromethane	10.0	10.6	106	70 - 130	
n-Butane	10.0	10.6	106	70 - 130	
Vinyl chloride	10.0	9.96	100	70 - 130	
1,3-Butadiene	10.0	9.99	100	70 - 130	
Bromomethane	10.0	11.0	110	70 - 130	
Chloroethane	10.0	10.8	108	70 - 130	
Bromoethene(Vinyl Bromide)	10.0	10.7	107	70 - 130	
Trichlorofluoromethane	10.0	11.2	112	70 - 130	
Freon TF	10.0	11.0	110	70 - 130	
1,1-Dichloroethene	10.0	10.6	106	70 - 130	
Acetone	10.0	11.9	119	70 - 130	
Isopropyl alcohol	10.0	9.02	90	70 - 130	
Carbon disulfide	10.0	11.8	118	70 - 130	
3-Chloropropene	10.0	9.55	96	70 - 130	
Methylene Chloride	10.0	11.0	110	70 - 130	
tert-Butyl alcohol	10.0	9.87	99	70 - 130	
Methyl tert-butyl ether	10.0	10.8	108	70 - 130	
trans-1,2-Dichloroethene	10.0	11.8	118	70 - 130	
n-Hexane	10.0	11.0	110	70 - 130	
1,1-Dichloroethane	10.0	10.4	104	70 - 130	
Methyl Ethyl Ketone	10.0	10.0	100	70 - 130	
cis-1,2-Dichloroethene	10.0	9.89	99	70 - 130	
Chloroform	10.0	10.9	109	70 - 130	
Tetrahydrofuran	10.0	10.6	106	70 - 130	
1,1,1-Trichloroethane	10.0	10.8	108	70 - 130	
Cyclohexane	10.0	10.0	100	70 - 130	
Carbon tetrachloride	10.0	9.98	100	70 - 130	
2,2,4-Trimethylpentane	10.0	10.0	100	70 - 130	
Benzene	10.0	9.85	98	70 - 130	
1,2-Dichloroethane	10.0	11.1	111	70 - 130	
n-Heptane	10.0	10.2	102	70 - 130	
Trichloroethene	10.0	10.4	104	70 - 130	
Methyl methacrylate	10.0	10.9	109	70 - 130	
1,2-Dichloropropane	10.0	10.4	104	70 - 130	
1,4-Dioxane	10.0	10.0	100	70 - 130	
Bromodichloromethane	10.0	11.3	113	70 - 130	
cis-1,3-Dichloropropene	10.0	11.7	117	70 - 130	
methyl isobutyl ketone	10.0	11.1	111	70 - 130	
Toluene	10.0	11.2	112	70 - 130	
trans-1,3-Dichloropropene	10.0	12.1	121	70 - 130	
1,1,2-Trichloroethane	10.0	11.9	119	70 - 130	
Tetrachloroethene	10.0	8.99	90	70 - 130	
Methyl Butyl Ketone (2-Hexanone)	10.0	11.1	111	70 - 130	

Client: FPM Remediations Inc

Job Number: 280-58004-1

Lab Control Sample - Batch: 200-75167

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	LCS 200-75167/3	Analysis Batch:	200-75167	Instrument ID:	CHG.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	8660_003.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	07/22/2014 1137	Units:	ppb v/v	Final Weight/Volume:	200 mL
Prep Date:	07/22/2014 1137			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Dibromochloromethane	10.0	10.3	103	70 - 130	
1,2-Dibromoethane	10.0	11.4	114	70 - 130	
Chlorobenzene	10.0	10.5	106	70 - 130	
Ethylbenzene	10.0	11.5	115	70 - 130	
m,p-Xylene	20.0	21.4	107	70 - 130	
Xylene, o-	10.0	10.6	106	70 - 130	
Styrene	10.0	11.2	112	70 - 130	
Bromoform	10.0	9.47	95	70 - 130	
Cumene	10.0	10.9	109	70 - 130	
1,1,2,2-Tetrachloroethane	10.0	11.8	118	70 - 130	
n-Propylbenzene	10.0	11.6	116	70 - 130	
4-Ethyltoluene	10.0	11.2	112	70 - 130	
1,3,5-Trimethylbenzene	10.0	11.3	113	70 - 130	
2-Chlorotoluene	10.0	11.4	114	70 - 130	
tert-Butylbenzene	10.0	10.8	108	70 - 130	
1,2,4-Trimethylbenzene	10.0	11.6	116	70 - 130	
sec-Butylbenzene	10.0	11.7	117	70 - 130	
4-Isopropyltoluene	10.0	11.0	110	70 - 130	
1,3-Dichlorobenzene	10.0	10.6	106	70 - 130	
1,4-Dichlorobenzene	10.0	10.3	103	70 - 130	
Benzyl chloride	10.0	11.1	111	70 - 130	
n-Butylbenzene	10.0	12.5	125	70 - 130	
1,2-Dichlorobenzene	10.0	10.6	106	70 - 130	
1,2,4-Trichlorobenzene	10.0	9.75	98	70 - 130	
Hexachlorobutadiene	10.0	9.39	94	70 - 130	
Naphthalene	10.0	11.1	111	70 - 130	

Client: FPM Remediations Inc

Job Number: 280-58004-1

Method Blank - Batch: 200-75211

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	MB 200-75211/4	Analysis Batch:	200-75211	Instrument ID:	CHC.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	8677_004.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	07/23/2014 1115	Units:	ppb v/v	Final Weight/Volume:	200 mL
Prep Date:	07/23/2014 1115			Injection Volume:	200 mL
Leach Date:	N/A				

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	0.080	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

Client: FPM Remediations Inc

Job Number: 280-58004-1

Method Blank - Batch: 200-75211

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	MB 200-75211/4	Analysis Batch:	200-75211	Instrument ID:	CHC.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	8677_004.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	07/23/2014 1115	Units:	ppb v/v	Final Weight/Volume:	200 mL
Prep Date:	07/23/2014 1115			Injection Volume:	200 mL
Leach Date:	N/A				

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	0.030	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

Client: FPM Remediations Inc

Job Number: 280-58004-1

Method Blank - Batch: 200-75211

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	MB 200-75211/4	Analysis Batch:	200-75211	Instrument ID:	CHC.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	8677_004.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	07/23/2014 1115	Units:	ug/m3	Final Weight/Volume:	200 mL
Prep Date:	07/23/2014 1115			Injection Volume:	200 mL
Leach Date:	N/A				

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	0.28	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

Client: FPM Remediations Inc

Job Number: 280-58004-1

Method Blank - Batch: 200-75211

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	MB 200-75211/4	Analysis Batch:	200-75211	Instrument ID:	CHC.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	8677_004.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	07/23/2014 1115	Units:	ug/m3	Final Weight/Volume:	200 mL
Prep Date:	07/23/2014 1115			Injection Volume:	200 mL
Leach Date:	N/A				

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	0.18	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

Client: FPM Remediations Inc

Job Number: 280-58004-1

Lab Control Sample - Batch: 200-75211

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	LCS 200-75211/3	Analysis Batch:	200-75211	Instrument ID:	CHC.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	8677_003.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	07/23/2014 1022	Units:	ppb v/v	Final Weight/Volume:	200 mL
Prep Date:	07/23/2014 1022			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Dichlorodifluoromethane	10.0	10.7	107	70 - 130	
Freon 22	10.0	10.6	106	70 - 130	
1,2-Dichlorotetrafluoroethane	10.0	11.3	113	70 - 130	
Chloromethane	10.0	9.77	98	70 - 130	
n-Butane	10.0	9.87	99	70 - 130	
Vinyl chloride	10.0	9.84	98	70 - 130	
1,3-Butadiene	10.0	9.69	97	70 - 130	
Bromomethane	10.0	9.64	96	70 - 130	
Chloroethane	10.0	9.48	95	70 - 130	
Bromoethene(Vinyl Bromide)	10.0	9.38	94	70 - 130	
Trichlorofluoromethane	10.0	10.0	100	70 - 130	
Freon TF	10.0	10.1	101	70 - 130	
1,1-Dichloroethene	10.0	9.71	97	70 - 130	
Acetone	10.0	10.4	104	70 - 130	
Isopropyl alcohol	10.0	8.69	87	70 - 130	
Carbon disulfide	10.0	10.3	103	70 - 130	
3-Chloropropene	10.0	8.81	88	70 - 130	
Methylene Chloride	10.0	9.66	97	70 - 130	
tert-Butyl alcohol	10.0	9.43	94	70 - 130	
Methyl tert-butyl ether	10.0	9.86	99	70 - 130	
trans-1,2-Dichloroethene	10.0	10.2	102	70 - 130	
n-Hexane	10.0	10.2	102	70 - 130	
1,1-Dichloroethane	10.0	9.85	99	70 - 130	
Methyl Ethyl Ketone	10.0	8.92	89	70 - 130	
cis-1,2-Dichloroethene	10.0	9.37	94	70 - 130	
Chloroform	10.0	9.95	99	70 - 130	
Tetrahydrofuran	10.0	9.53	95	70 - 130	
1,1,1-Trichloroethane	10.0	9.87	99	70 - 130	
Cyclohexane	10.0	9.46	95	70 - 130	
Carbon tetrachloride	10.0	10.0	100	70 - 130	
2,2,4-Trimethylpentane	10.0	9.31	93	70 - 130	
Benzene	10.0	9.22	92	70 - 130	
1,2-Dichloroethane	10.0	10.1	101	70 - 130	
n-Heptane	10.0	9.47	95	70 - 130	
Trichloroethene	10.0	10.2	102	70 - 130	
Methyl methacrylate	10.0	10.5	105	70 - 130	
1,2-Dichloropropane	10.0	9.94	99	70 - 130	
1,4-Dioxane	10.0	9.84	98	70 - 130	
Bromodichloromethane	10.0	10.3	103	70 - 130	
cis-1,3-Dichloropropene	10.0	10.3	103	70 - 130	
methyl isobutyl ketone	10.0	9.52	95	70 - 130	
Toluene	10.0	9.79	98	70 - 130	
trans-1,3-Dichloropropene	10.0	9.67	97	70 - 130	
1,1,2-Trichloroethane	10.0	9.88	99	70 - 130	
Tetrachloroethene	10.0	9.43	94	70 - 130	
Methyl Butyl Ketone (2-Hexanone)	10.0	9.24	92	70 - 130	

Client: FPM Remediations Inc

Job Number: 280-58004-1

Lab Control Sample - Batch: 200-75211

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	LCS 200-75211/3	Analysis Batch:	200-75211	Instrument ID:	CHC.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	8677_003.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	07/23/2014 1022	Units:	ppb v/v	Final Weight/Volume:	200 mL
Prep Date:	07/23/2014 1022			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Dibromochloromethane	10.0	9.79	98	70 - 130	
1,2-Dibromoethane	10.0	9.91	99	70 - 130	
Chlorobenzene	10.0	9.53	95	70 - 130	
Ethylbenzene	10.0	9.80	98	70 - 130	
m,p-Xylene	20.0	19.0	95	70 - 130	
Xylene, o-	10.0	9.54	95	70 - 130	
Styrene	10.0	9.71	97	70 - 130	
Bromoform	10.0	9.78	98	70 - 130	
Cumene	10.0	9.65	97	70 - 130	
1,1,2,2-Tetrachloroethane	10.0	9.81	98	70 - 130	
n-Propylbenzene	10.0	9.85	99	70 - 130	
4-Ethyltoluene	10.0	9.91	99	70 - 130	
1,3,5-Trimethylbenzene	10.0	9.79	98	70 - 130	
2-Chlorotoluene	10.0	9.58	96	70 - 130	
tert-Butylbenzene	10.0	9.67	97	70 - 130	
1,2,4-Trimethylbenzene	10.0	9.80	98	70 - 130	
sec-Butylbenzene	10.0	9.69	97	70 - 130	
4-Isopropyltoluene	10.0	9.78	98	70 - 130	
1,3-Dichlorobenzene	10.0	9.56	96	70 - 130	
1,4-Dichlorobenzene	10.0	9.70	97	70 - 130	
Benzyl chloride	10.0	9.30	93	70 - 130	
n-Butylbenzene	10.0	10.2	102	70 - 130	
1,2-Dichlorobenzene	10.0	9.61	96	70 - 130	
1,2,4-Trichlorobenzene	10.0	11.4	114	70 - 130	
Hexachlorobutadiene	10.0	10.7	107	70 - 130	
Naphthalene	10.0	11.1	111	70 - 130	

Client: FPM Remediations Inc

Job Number: 280-58004-1

Method Blank - Batch: 200-75599

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	MB 200-75599/5	Analysis Batch:	200-75599	Instrument ID:	CHC.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	8834_005.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	08/04/2014 1218	Units:	ppb v/v	Final Weight/Volume:	200 mL
Prep Date:	08/04/2014 1218			Injection Volume:	200 mL
Leach Date:	N/A				

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	0.080	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

Client: FPM Remediations Inc

Job Number: 280-58004-1

Method Blank - Batch: 200-75599

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	MB 200-75599/5	Analysis Batch:	200-75599	Instrument ID:	CHC.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	8834_005.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	08/04/2014 1218	Units:	ppb v/v	Final Weight/Volume:	200 mL
Prep Date:	08/04/2014 1218			Injection Volume:	200 mL
Leach Date:	N/A				

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	0.030	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

Client: FPM Remediations Inc

Job Number: 280-58004-1

Method Blank - Batch: 200-75599

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	MB 200-75599/5	Analysis Batch:	200-75599	Instrument ID:	CHC.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	8834_005.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	08/04/2014 1218	Units:	ug/m3	Final Weight/Volume:	200 mL
Prep Date:	08/04/2014 1218			Injection Volume:	200 mL
Leach Date:	N/A				

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	0.28	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

Client: FPM Remediations Inc

Job Number: 280-58004-1

Method Blank - Batch: 200-75599

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	MB 200-75599/5	Analysis Batch:	200-75599	Instrument ID:	CHC.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	8834_005.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	08/04/2014 1218	Units:	ug/m3	Final Weight/Volume:	200 mL
Prep Date:	08/04/2014 1218			Injection Volume:	200 mL
Leach Date:	N/A				

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	0.18	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

Client: FPM Remediations Inc

Job Number: 280-58004-1

Lab Control Sample - Batch: 200-75599

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	LCS 200-75599/4	Analysis Batch:	200-75599	Instrument ID:	CHC.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	8834_004.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	08/04/2014 1125	Units:	ppb v/v	Final Weight/Volume:	200 mL
Prep Date:	08/04/2014 1125			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Dichlorodifluoromethane	10.0	11.1	111	70 - 130	
Freon 22	10.0	11.0	110	70 - 130	
1,2-Dichlorotetrafluoroethane	10.0	11.6	116	70 - 130	
Chloromethane	10.0	10.2	102	70 - 130	
n-Butane	10.0	9.30	93	70 - 130	
Vinyl chloride	10.0	9.38	94	70 - 130	
1,3-Butadiene	10.0	8.97	90	70 - 130	
Bromomethane	10.0	8.42	84	70 - 130	
Chloroethane	10.0	8.07	81	70 - 130	
Bromoethene(Vinyl Bromide)	10.0	8.12	81	70 - 130	
Trichlorofluoromethane	10.0	9.74	97	70 - 130	
Freon TF	10.0	10.0	100	70 - 130	
1,1-Dichloroethene	10.0	9.55	96	70 - 130	
Acetone	10.0	12.0	120	70 - 130	
Isopropyl alcohol	10.0	8.94	89	70 - 130	
Carbon disulfide	10.0	10.0	100	70 - 130	
3-Chloropropene	10.0	8.81	88	70 - 130	
Methylene Chloride	10.0	10.3	103	70 - 130	
tert-Butyl alcohol	10.0	9.54	95	70 - 130	
Methyl tert-butyl ether	10.0	9.90	99	70 - 130	
trans-1,2-Dichloroethene	10.0	10.3	103	70 - 130	
n-Hexane	10.0	10.2	102	70 - 130	
1,1-Dichloroethane	10.0	9.85	99	70 - 130	
Methyl Ethyl Ketone	10.0	9.06	91	70 - 130	
cis-1,2-Dichloroethene	10.0	9.04	90	70 - 130	
Chloroform	10.0	9.84	98	70 - 130	
Tetrahydrofuran	10.0	9.91	99	70 - 130	
1,1,1-Trichloroethane	10.0	10.1	101	70 - 130	
Cyclohexane	10.0	9.33	93	70 - 130	
Carbon tetrachloride	10.0	10.1	101	70 - 130	
2,2,4-Trimethylpentane	10.0	9.58	96	70 - 130	
Benzene	10.0	9.31	93	70 - 130	
1,2-Dichloroethane	10.0	11.0	110	70 - 130	
n-Heptane	10.0	10.1	101	70 - 130	
Trichloroethene	10.0	10.4	104	70 - 130	
Methyl methacrylate	10.0	10.8	108	70 - 130	
1,2-Dichloropropane	10.0	10.6	106	70 - 130	
1,4-Dioxane	10.0	10.0	100	70 - 130	
Bromodichloromethane	10.0	10.9	109	70 - 130	
cis-1,3-Dichloropropene	10.0	10.7	107	70 - 130	
methyl isobutyl ketone	10.0	10.6	106	70 - 130	
Toluene	10.0	9.72	97	70 - 130	
trans-1,3-Dichloropropene	10.0	9.91	99	70 - 130	
1,1,2-Trichloroethane	10.0	10.2	102	70 - 130	
Tetrachloroethene	10.0	8.83	88	70 - 130	
Methyl Butyl Ketone (2-Hexanone)	10.0	10.2	102	70 - 130	

Client: FPM Remediations Inc

Job Number: 280-58004-1

Lab Control Sample - Batch: 200-75599

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	LCS 200-75599/4	Analysis Batch:	200-75599	Instrument ID:	CHC.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	8834_004.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	08/04/2014 1125	Units:	ppb v/v	Final Weight/Volume:	200 mL
Prep Date:	08/04/2014 1125			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Dibromochloromethane	10.0	9.77	98	70 - 130	
1,2-Dibromoethane	10.0	9.90	99	70 - 130	
Chlorobenzene	10.0	9.24	92	70 - 130	
Ethylbenzene	10.0	9.90	99	70 - 130	
m,p-Xylene	20.0	18.6	93	70 - 130	
Xylene, o-	10.0	9.29	93	70 - 130	
Styrene	10.0	9.61	96	70 - 130	
Bromoform	10.0	9.19	92	70 - 130	
Cumene	10.0	9.50	95	70 - 130	
1,1,2,2-Tetrachloroethane	10.0	10.2	102	70 - 130	
n-Propylbenzene	10.0	9.94	99	70 - 130	
4-Ethyltoluene	10.0	9.70	97	70 - 130	
1,3,5-Trimethylbenzene	10.0	9.73	97	70 - 130	
2-Chlorotoluene	10.0	9.78	98	70 - 130	
tert-Butylbenzene	10.0	9.43	94	70 - 130	
1,2,4-Trimethylbenzene	10.0	9.86	99	70 - 130	
sec-Butylbenzene	10.0	9.67	97	70 - 130	
4-Isopropyltoluene	10.0	9.63	96	70 - 130	
1,3-Dichlorobenzene	10.0	9.05	91	70 - 130	
1,4-Dichlorobenzene	10.0	9.09	91	70 - 130	
Benzyl chloride	10.0	8.21	82	70 - 130	
n-Butylbenzene	10.0	10.3	103	70 - 130	
1,2-Dichlorobenzene	10.0	9.16	92	70 - 130	
1,2,4-Trichlorobenzene	10.0	9.33	93	70 - 130	
Hexachlorobutadiene	10.0	9.85	98	70 - 130	
Naphthalene	10.0	9.33	93	70 - 130	

Client: FPM Remediations Inc

Job Number: 280-58004-1

Method Blank - Batch: 200-75651

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	MB 200-75651/5	Analysis Batch:	200-75651	Instrument ID:	CHC.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	8862_005.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	08/05/2014 1256	Units:	ppb v/v	Final Weight/Volume:	200 mL
Prep Date:	08/05/2014 1256			Injection Volume:	200 mL
Leach Date:	N/A				

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	0.080	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

Client: FPM Remediations Inc

Job Number: 280-58004-1

Method Blank - Batch: 200-75651

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	MB 200-75651/5	Analysis Batch:	200-75651	Instrument ID:	CHC.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	8862_005.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	08/05/2014 1256	Units:	ppb v/v	Final Weight/Volume:	200 mL
Prep Date:	08/05/2014 1256			Injection Volume:	200 mL
Leach Date:	N/A				

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	0.030	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

Client: FPM Remediations Inc

Job Number: 280-58004-1

Method Blank - Batch: 200-75651

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	MB 200-75651/5	Analysis Batch:	200-75651	Instrument ID:	CHC.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	8862_005.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	08/05/2014 1256	Units:	ug/m3	Final Weight/Volume:	200 mL
Prep Date:	08/05/2014 1256			Injection Volume:	200 mL
Leach Date:	N/A				

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	0.28	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

Client: FPM Remediations Inc

Job Number: 280-58004-1

Method Blank - Batch: 200-75651

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	MB 200-75651/5	Analysis Batch:	200-75651	Instrument ID:	CHC.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	8862_005.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	08/05/2014 1256	Units:	ug/m3	Final Weight/Volume:	200 mL
Prep Date:	08/05/2014 1256			Injection Volume:	200 mL
Leach Date:	N/A				

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	0.18	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

Client: FPM Remediations Inc

Job Number: 280-58004-1

Lab Control Sample - Batch: 200-75651

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	LCS 200-75651/4	Analysis Batch:	200-75651	Instrument ID:	CHC.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	8862_004.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	08/05/2014 1203	Units:	ppb v/v	Final Weight/Volume:	200 mL
Prep Date:	08/05/2014 1203			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Dichlorodifluoromethane	10.0	11.2	112	70 - 130	
Freon 22	10.0	11.3	113	70 - 130	
1,2-Dichlorotetrafluoroethane	10.0	11.7	117	70 - 130	
Chloromethane	10.0	10.5	105	70 - 130	
n-Butane	10.0	9.35	94	70 - 130	
Vinyl chloride	10.0	9.36	94	70 - 130	
1,3-Butadiene	10.0	9.21	92	70 - 130	
Bromomethane	10.0	8.42	84	70 - 130	
Chloroethane	10.0	7.98	80	70 - 130	
Bromoethene(Vinyl Bromide)	10.0	7.98	80	70 - 130	
Trichlorofluoromethane	10.0	9.89	99	70 - 130	
Freon TF	10.0	9.96	100	70 - 130	
1,1-Dichloroethene	10.0	9.84	98	70 - 130	
Acetone	10.0	12.3	123	70 - 130	
Isopropyl alcohol	10.0	9.04	90	70 - 130	
Carbon disulfide	10.0	10.0	100	70 - 130	
3-Chloropropene	10.0	9.01	90	70 - 130	
Methylene Chloride	10.0	10.1	101	70 - 130	
tert-Butyl alcohol	10.0	9.65	97	70 - 130	
Methyl tert-butyl ether	10.0	9.81	98	70 - 130	
trans-1,2-Dichloroethene	10.0	10.4	104	70 - 130	
n-Hexane	10.0	10.4	104	70 - 130	
1,1-Dichloroethane	10.0	9.98	100	70 - 130	
Methyl Ethyl Ketone	10.0	9.23	92	70 - 130	
cis-1,2-Dichloroethene	10.0	9.17	92	70 - 130	
Chloroform	10.0	10.1	101	70 - 130	
Tetrahydrofuran	10.0	9.95	100	70 - 130	
1,1,1-Trichloroethane	10.0	10.0	100	70 - 130	
Cyclohexane	10.0	9.16	92	70 - 130	
Carbon tetrachloride	10.0	10.0	100	70 - 130	
2,2,4-Trimethylpentane	10.0	9.67	97	70 - 130	
Benzene	10.0	9.38	94	70 - 130	
1,2-Dichloroethane	10.0	11.1	111	70 - 130	
n-Heptane	10.0	10.4	104	70 - 130	
Trichloroethene	10.0	10.5	105	70 - 130	
Methyl methacrylate	10.0	10.9	109	70 - 130	
1,2-Dichloropropane	10.0	10.6	106	70 - 130	
1,4-Dioxane	10.0	9.99	100	70 - 130	
Bromodichloromethane	10.0	10.8	108	70 - 130	
cis-1,3-Dichloropropene	10.0	10.6	106	70 - 130	
methyl isobutyl ketone	10.0	10.6	106	70 - 130	
Toluene	10.0	9.71	97	70 - 130	
trans-1,3-Dichloropropene	10.0	9.90	99	70 - 130	
1,1,2-Trichloroethane	10.0	10.3	103	70 - 130	
Tetrachloroethene	10.0	8.86	89	70 - 130	
Methyl Butyl Ketone (2-Hexanone)	10.0	10.3	103	70 - 130	

Client: FPM Remediations Inc

Job Number: 280-58004-1

Lab Control Sample - Batch: 200-75651

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	LCS 200-75651/4	Analysis Batch:	200-75651	Instrument ID:	CHC.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	8862_004.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	08/05/2014 1203	Units:	ppb v/v	Final Weight/Volume:	200 mL
Prep Date:	08/05/2014 1203			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Dibromochloromethane	10.0	9.87	99	70 - 130	
1,2-Dibromoethane	10.0	9.93	99	70 - 130	
Chlorobenzene	10.0	9.22	92	70 - 130	
Ethylbenzene	10.0	9.91	99	70 - 130	
m,p-Xylene	20.0	18.6	93	70 - 130	
Xylene, o-	10.0	9.25	93	70 - 130	
Styrene	10.0	9.62	96	70 - 130	
Bromoform	10.0	9.35	94	70 - 130	
Cumene	10.0	9.60	96	70 - 130	
1,1,2,2-Tetrachloroethane	10.0	10.3	103	70 - 130	
n-Propylbenzene	10.0	10.1	101	70 - 130	
4-Ethyltoluene	10.0	9.82	98	70 - 130	
1,3,5-Trimethylbenzene	10.0	9.81	98	70 - 130	
2-Chlorotoluene	10.0	9.87	99	70 - 130	
tert-Butylbenzene	10.0	9.52	95	70 - 130	
1,2,4-Trimethylbenzene	10.0	9.89	99	70 - 130	
sec-Butylbenzene	10.0	9.82	98	70 - 130	
4-Isopropyltoluene	10.0	9.73	97	70 - 130	
1,3-Dichlorobenzene	10.0	9.04	90	70 - 130	
1,4-Dichlorobenzene	10.0	9.13	91	70 - 130	
Benzyl chloride	10.0	8.28	83	70 - 130	
n-Butylbenzene	10.0	10.5	105	70 - 130	
1,2-Dichlorobenzene	10.0	9.19	92	70 - 130	
1,2,4-Trichlorobenzene	10.0	9.08	91	70 - 130	
Hexachlorobutadiene	10.0	9.80	98	70 - 130	
Naphthalene	10.0	9.10	91	70 - 130	

Client: FPM Remediations Inc

Job Number: 280-58004-1

Method Blank - Batch: 200-75709

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	MB 200-75709/4	Analysis Batch:	200-75709	Instrument ID:	CHW.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	8889_004.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	08/06/2014 1405	Units:	ppb v/v	Final Weight/Volume:	200 mL
Prep Date:	08/06/2014 1405			Injection Volume:	200 mL
Leach Date:	N/A				

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	0.080	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

Client: FPM Remediations Inc

Job Number: 280-58004-1

Method Blank - Batch: 200-75709

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	MB 200-75709/4	Analysis Batch:	200-75709	Instrument ID:	CHW.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	8889_004.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	08/06/2014 1405	Units:	ppb v/v	Final Weight/Volume:	200 mL
Prep Date:	08/06/2014 1405			Injection Volume:	200 mL
Leach Date:	N/A				

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	0.0383	J	0.014	0.20
1,4-Dichlorobenzene	0.0403	J	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	0.0397	J	0.014	0.20
1,2,4-Trichlorobenzene	0.0685	J	0.027	0.50
Hexachlorobutadiene	0.0301	J	0.022	0.20
Naphthalene	0.20	U	0.20	0.50

Method Blank - Batch: 200-75709

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	MB 200-75709/4	Analysis Batch:	200-75709	Instrument ID:	CHW.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	8889_004.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	08/06/2014 1405	Units:	ug/m3	Final Weight/Volume:	200 mL
Prep Date:	08/06/2014 1405			Injection Volume:	200 mL
Leach Date:	N/A				

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	0.28	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

Client: FPM Remediations Inc

Job Number: 280-58004-1

Method Blank - Batch: 200-75709

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	MB 200-75709/4	Analysis Batch:	200-75709	Instrument ID:	CHW.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	8889_004.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	08/06/2014 1405	Units:	ug/m3	Final Weight/Volume:	200 mL
Prep Date:	08/06/2014 1405			Injection Volume:	200 mL
Leach Date:	N/A				

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	0.230	J	0.084	1.2
1,4-Dichlorobenzene	0.242	J	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	0.239	J	0.084	1.2
1,2,4-Trichlorobenzene	0.508	J	0.20	3.7
Hexachlorobutadiene	0.321	J	0.23	2.1
Naphthalene	1.0	U	1.0	2.6

Client: FPM Remediations Inc

Job Number: 280-58004-1

Lab Control Sample - Batch: 200-75709

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	LCS 200-75709/3	Analysis Batch:	200-75709	Instrument ID:	CHW.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	8889_003.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	08/06/2014 1316	Units:	ppb v/v	Final Weight/Volume:	200 mL
Prep Date:	08/06/2014 1316			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Dichlorodifluoromethane	10.0	10.9	109	70 - 130	
Freon 22	10.0	10.0	100	70 - 130	
1,2-Dichlorotetrafluoroethane	10.0	12.2	122	70 - 130	
Chloromethane	10.0	9.46	95	70 - 130	
n-Butane	10.0	9.21	92	70 - 130	
Vinyl chloride	10.0	9.64	96	70 - 130	
1,3-Butadiene	10.0	8.97	90	70 - 130	
Bromomethane	10.0	10.1	101	70 - 130	
Chloroethane	10.0	10.1	101	70 - 130	
Bromoethene(Vinyl Bromide)	10.0	10.7	107	70 - 130	
Trichlorofluoromethane	10.0	10.4	104	70 - 130	
Freon TF	10.0	10.9	109	70 - 130	
1,1-Dichloroethene	10.0	10.7	107	70 - 130	
Acetone	10.0	9.51	95	70 - 130	
Isopropyl alcohol	10.0	8.49	85	70 - 130	
Carbon disulfide	10.0	11.5	115	70 - 130	
3-Chloropropene	10.0	8.17	82	70 - 130	
Methylene Chloride	10.0	9.52	95	70 - 130	
tert-Butyl alcohol	10.0	10.0	100	70 - 130	
Methyl tert-butyl ether	10.0	10.1	101	70 - 130	
trans-1,2-Dichloroethene	10.0	10.6	106	70 - 130	
n-Hexane	10.0	9.59	96	70 - 130	
1,1-Dichloroethane	10.0	10.2	102	70 - 130	
Methyl Ethyl Ketone	10.0	9.67	97	70 - 130	
cis-1,2-Dichloroethene	10.0	10.6	106	70 - 130	
Chloroform	10.0	10.6	106	70 - 130	
Tetrahydrofuran	10.0	9.81	98	70 - 130	
1,1,1-Trichloroethane	10.0	10.9	109	70 - 130	
Cyclohexane	10.0	10.7	107	70 - 130	
Carbon tetrachloride	10.0	11.1	111	70 - 130	
2,2,4-Trimethylpentane	10.0	9.90	99	70 - 130	
Benzene	10.0	10.7	107	70 - 130	
1,2-Dichloroethane	10.0	10.1	101	70 - 130	
n-Heptane	10.0	8.69	87	70 - 130	
Trichloroethene	10.0	10.8	108	70 - 130	
Methyl methacrylate	10.0	10.6	106	70 - 130	
1,2-Dichloropropane	10.0	10.1	101	70 - 130	
1,4-Dioxane	10.0	10.2	102	70 - 130	
Bromodichloromethane	10.0	11.0	110	70 - 130	
cis-1,3-Dichloropropene	10.0	10.8	108	70 - 130	
methyl isobutyl ketone	10.0	9.70	97	70 - 130	
Toluene	10.0	10.1	101	70 - 130	
trans-1,3-Dichloropropene	10.0	10.9	109	70 - 130	
1,1,2-Trichloroethane	10.0	10.8	108	70 - 130	
Tetrachloroethene	10.0	10.8	108	70 - 130	
Methyl Butyl Ketone (2-Hexanone)	10.0	9.50	95	70 - 130	

Client: FPM Remediations Inc

Job Number: 280-58004-1

Lab Control Sample - Batch: 200-75709

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	LCS 200-75709/3	Analysis Batch:	200-75709	Instrument ID:	CHW.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	8889_003.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	08/06/2014 1316	Units:	ppb v/v	Final Weight/Volume:	200 mL
Prep Date:	08/06/2014 1316			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Dibromochloromethane	10.0	11.2	112	70 - 130	
1,2-Dibromoethane	10.0	11.3	113	70 - 130	
Chlorobenzene	10.0	10.9	109	70 - 130	
Ethylbenzene	10.0	11.0	110	70 - 130	
m,p-Xylene	20.0	22.5	113	70 - 130	
Xylene, o-	10.0	10.8	108	70 - 130	
Styrene	10.0	11.5	115	70 - 130	
Bromoform	10.0	12.1	121	70 - 130	
Cumene	10.0	11.2	112	70 - 130	
1,1,2,2-Tetrachloroethane	10.0	11.4	114	70 - 130	
n-Propylbenzene	10.0	11.5	115	70 - 130	
4-Ethyltoluene	10.0	11.8	118	70 - 130	
1,3,5-Trimethylbenzene	10.0	11.3	113	70 - 130	
2-Chlorotoluene	10.0	11.1	111	70 - 130	
tert-Butylbenzene	10.0	11.3	113	70 - 130	
1,2,4-Trimethylbenzene	10.0	11.3	113	70 - 130	
sec-Butylbenzene	10.0	11.5	115	70 - 130	
4-Isopropyltoluene	10.0	11.7	117	70 - 130	
1,3-Dichlorobenzene	10.0	11.8	118	70 - 130	
1,4-Dichlorobenzene	10.0	11.8	118	70 - 130	
Benzyl chloride	10.0	10.2	102	70 - 130	
n-Butylbenzene	10.0	11.9	119	70 - 130	
1,2-Dichlorobenzene	10.0	11.6	116	70 - 130	
1,2,4-Trichlorobenzene	10.0	10.4	104	70 - 130	
Hexachlorobutadiene	10.0	10.5	105	70 - 130	
Naphthalene	10.0	8.97	90	70 - 130	

DATA REPORTING QUALIFIERS

Client: FPM Remediations Inc Job Number: 280-58004-1

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.

Client: FPM Remediations Inc

Job Number: 280-58004-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Air - GC/MS VOA					
Analysis Batch:200-75167					
LCS 200-75167/3	Lab Control Sample	T	Air	TO-15	
MB 200-75167/4	Method Blank	T	Air	TO-15	
280-58004-4	785IA13	T	Air	TO-15	
280-58004-5	786IA12	T	Air	TO-15	
Analysis Batch:200-75211					
LCS 200-75211/3	Lab Control Sample	T	Air	TO-15	
MB 200-75211/4	Method Blank	T	Air	TO-15	
280-58004-6	785786OA09	T	Air	TO-15	
Analysis Batch:200-75599					
LCS 200-75599/4	Lab Control Sample	T	Air	TO-15	
MB 200-75599/5	Method Blank	T	Air	TO-15	
280-58004-2	786VMP0302LA	T	Air	TO-15	
Analysis Batch:200-75651					
LCS 200-75651/4	Lab Control Sample	T	Air	TO-15	
MB 200-75651/5	Method Blank	T	Air	TO-15	
280-58004-10	785VMP0202MC	T	Air	TO-15	
Analysis Batch:200-75709					
LCS 200-75709/3	Lab Control Sample	T	Air	TO-15	
MB 200-75709/4	Method Blank	T	Air	TO-15	
280-58004-1	786VMP0202LA	T	Air	TO-15	
280-58004-3	786VMP0102LA	T	Air	TO-15	
280-58004-7	785VMP0202MA	T	Air	TO-15	
280-58004-8	785VMP0501JA	T	Air	TO-15	
280-58004-9	785VMP0401LA	T	Air	TO-15	

Report Basis

T = Total

Client: FPM Remediations Inc

Job Number: 280-58004-1

Laboratory Chronicle

Lab ID: 280-58004-1 **Client ID:** 786VMP0202LA

Sample Date/Time: 07/18/2014 14:40 Received Date/Time: 07/21/2014 14:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	280-58004-A-1		200-75709		08/06/2014 19:24	4	TAL BUR	BPL
A:TO-15	280-58004-A-1		200-75709		08/06/2014 19:24	4	TAL BUR	BPL

Lab ID: 280-58004-2 **Client ID:** 786VMP0302LA

Sample Date/Time: 07/18/2014 14:50 Received Date/Time: 07/21/2014 14:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	280-58004-A-2		200-75599		08/05/2014 07:07	1	TAL BUR	WRD
A:TO-15	280-58004-A-2		200-75599		08/05/2014 07:07	1	TAL BUR	WRD

Lab ID: 280-58004-3 **Client ID:** 786VMP0102LA

Sample Date/Time: 07/18/2014 15:00 Received Date/Time: 07/21/2014 14:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	280-58004-A-3		200-75709		08/06/2014 16:10	2	TAL BUR	BPL
A:TO-15	280-58004-A-3		200-75709		08/06/2014 16:10	2	TAL BUR	BPL

Lab ID: 280-58004-4 **Client ID:** 785IA13

Sample Date/Time: 07/17/2014 10:20 Received Date/Time: 07/21/2014 14:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	280-58004-A-4		200-75167		07/23/2014 05:31	1	TAL BUR	PAD
A:TO-15	280-58004-A-4		200-75167		07/23/2014 05:31	1	TAL BUR	PAD

Lab ID: 280-58004-5 **Client ID:** 786IA12

Sample Date/Time: 07/17/2014 10:30 Received Date/Time: 07/21/2014 14:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	280-58004-A-5		200-75167		07/23/2014 08:38	1	TAL BUR	PAD
A:TO-15	280-58004-A-5		200-75167		07/23/2014 08:38	1	TAL BUR	PAD

Client: FPM Remediations Inc

Job Number: 280-58004-1

Laboratory Chronicle

Lab ID: 280-58004-6 **Client ID:** 785786OA09

Sample Date/Time: 07/17/2014 10:40 Received Date/Time: 07/21/2014 14:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	280-58004-A-6		200-75211		07/24/2014 03:20	1	TAL BUR	BPL
A:TO-15	280-58004-A-6		200-75211		07/24/2014 03:20	1	TAL BUR	BPL

Lab ID: 280-58004-7 **Client ID:** 785VMP0202MA

Sample Date/Time: 07/18/2014 13:40 Received Date/Time: 07/21/2014 14:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	280-58004-A-7		200-75709		08/06/2014 16:59	2	TAL BUR	BPL
A:TO-15	280-58004-A-7		200-75709		08/06/2014 16:59	2	TAL BUR	BPL

Lab ID: 280-58004-8 **Client ID:** 785VMP0501JA

Sample Date/Time: 07/18/2014 13:50 Received Date/Time: 07/21/2014 14:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	280-58004-A-8		200-75709		08/07/2014 08:39	104	TAL BUR	BPL
A:TO-15	280-58004-A-8		200-75709		08/07/2014 08:39	104	TAL BUR	BPL

Lab ID: 280-58004-9 **Client ID:** 785VMP0401LA

Sample Date/Time: 07/18/2014 14:00 Received Date/Time: 07/21/2014 14:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	280-58004-A-9		200-75709		08/06/2014 18:36	396	TAL BUR	BPL
A:TO-15	280-58004-A-9		200-75709		08/06/2014 18:36	396	TAL BUR	BPL

Lab ID: 280-58004-10 **Client ID:** 785VMP0202MC

Sample Date/Time: 07/18/2014 13:40 Received Date/Time: 07/21/2014 14:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	280-58004-A-10		200-75651		08/05/2014 16:39	1	TAL BUR	WRD
A:TO-15	280-58004-A-10		200-75651		08/05/2014 16:39	1	TAL BUR	WRD

Client: FPM Remediations Inc

Job Number: 280-58004-1

Laboratory Chronicle

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 200-75167/4		200-75167		07/22/2014 12:28	1	TAL BUR	PAD
A:TO-15	MB 200-75167/4		200-75167		07/22/2014 12:28	1	TAL BUR	PAD
P:Summa Canister	MB 200-75211/4		200-75211		07/23/2014 11:15	1	TAL BUR	BPL
A:TO-15	MB 200-75211/4		200-75211		07/23/2014 11:15	1	TAL BUR	BPL
P:Summa Canister	MB 200-75599/5		200-75599		08/04/2014 12:18	1	TAL BUR	WRD
A:TO-15	MB 200-75599/5		200-75599		08/04/2014 12:18	1	TAL BUR	WRD
P:Summa Canister	MB 200-75651/5		200-75651		08/05/2014 12:56	1	TAL BUR	WRD
A:TO-15	MB 200-75651/5		200-75651		08/05/2014 12:56	1	TAL BUR	WRD
P:Summa Canister	MB 200-75709/4		200-75709		08/06/2014 14:05	1	TAL BUR	BPL
A:TO-15	MB 200-75709/4		200-75709		08/06/2014 14:05	1	TAL BUR	BPL

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 200-75167/3		200-75167		07/22/2014 11:37	1	TAL BUR	PAD
A:TO-15	LCS 200-75167/3		200-75167		07/22/2014 11:37	1	TAL BUR	PAD
P:Summa Canister	LCS 200-75211/3		200-75211		07/23/2014 10:22	1	TAL BUR	BPL
A:TO-15	LCS 200-75211/3		200-75211		07/23/2014 10:22	1	TAL BUR	BPL
P:Summa Canister	LCS 200-75599/4		200-75599		08/04/2014 11:25	1	TAL BUR	WRD
A:TO-15	LCS 200-75599/4		200-75599		08/04/2014 11:25	1	TAL BUR	WRD
P:Summa Canister	LCS 200-75651/4		200-75651		08/05/2014 12:03	1	TAL BUR	WRD
A:TO-15	LCS 200-75651/4		200-75651		08/05/2014 12:03	1	TAL BUR	WRD
P:Summa Canister	LCS 200-75709/3		200-75709		08/06/2014 13:16	1	TAL BUR	BPL
A:TO-15	LCS 200-75709/3		200-75709		08/06/2014 13:16	1	TAL BUR	BPL

Lab References:

TAL BUR = TestAmerica Burlington

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
ATTO15CAL1w_00094	06/26/14	03/27/14	DI WATER, Lot 3630	15.463 L	ATTO15CAL6w_00091	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.: 280-58004-1

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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

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 v/v
							sec-Butylbenzene	0.20044 ppb v/v
							Styrene	0.20044 ppb v/v
							tert-Butyl alcohol	0.20044 ppb v/v
							tert-Butylbenzene	0.20044 ppb v/v
							Tetrachloroethene	0.20044 ppb v/v
							Tetrahydrofuran	0.20044 ppb v/v
							Toluene	0.20044 ppb v/v
							trans-1,2-Dichloroethene	0.20044 ppb v/v
							trans-1,3-Dichloropropene	0.20044 ppb v/v
							Trichloroethene	0.20044 ppb v/v
							Trichlorofluoromethane	0.20044 ppb v/v
							Undecane	0.20044 ppb v/v
							Vinyl acetate	0.20044 ppb v/v
							Vinyl chloride	0.20044 ppb v/v
							Xylene, o-	0.20044 ppb v/v
							Ethanol	0.400944 ppb v/v
.ATTO15CAL6w_00091	06/26/14	04/15/14	DI WATER, Lot 4432	15.463 L	ATTO15CALSTKi_00056	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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

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.: 280-58004-1

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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

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_00046	1237 mL	Ethanol	39.9987 ppb v/v
..ATTO15CALSTKi_00056	07/01/14	04/01/14	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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

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-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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

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_00046	06/26/14	03/26/14	VOA Free Water, Lot 4985	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
ATTO15CAL1w_00105	08/30/14	07/01/14	DI WATER, Lot 5428	15.463 L	ATTO15CAL6w_00092	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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

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	0.20044 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
							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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							n-Hexane	0.20044 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
							Propene	0.20044 ppb v/v
							sec-Butylbenzene	0.20044 ppb v/v
							Styrene	0.20044 ppb v/v
							tert-Butyl alcohol	0.20044 ppb v/v
							tert-Butylbenzene	0.20044 ppb v/v
							Tetrachloroethene	0.20044 ppb v/v
							Tetrahydrofuran	0.20044 ppb v/v
							Toluene	0.20044 ppb v/v
							trans-1,2-Dichloroethene	0.20044 ppb v/v
							trans-1,3-Dichloropropene	0.20044 ppb v/v
							Trichloroethene	0.20044 ppb v/v
							Trichlorofluoromethane	0.20044 ppb v/v
							Undecane	0.20044 ppb v/v
							Vinyl acetate	0.20044 ppb v/v
							Vinyl chloride	0.20044 ppb v/v
							Xylene, o-	0.20044 ppb v/v
							Ethanol	0.400944 ppb v/v
.ATTO15CAL6w_00092	08/30/14	06/02/14	DI WATER, Lot 4432	15.463 L	ATTO15CALSTKi_00057	1546 mL	1,1,1-Trichloroethane	19.9961 ppb v/v
							1,1,2,2-Tetrachloroethane	19.9961 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

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	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
							Acetonitrile	19.9961 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							Ethyl ether	19.9961 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							sec-Butylbenzene	19.9961 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00047	1237 mL	Ethanol	39.9987 ppb v/v
..ATTO15CALSTKi_00057	08/30/14	05/30/14	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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							n-Butanol	200 ppb v/v
							n-Butylbenzene	200 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							3-Chloropropene	1 ppm v/v
							4-Ethyltoluene	1 ppm v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							n-Hexane	1 ppm v/v
							n-Nonane	1 ppm v/v

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00047	09/02/14	06/02/14	VOA Free Water, Lot 4985	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_00131	06/26/14	05/08/14	DI WATER, Lot 2782	15.463 L	ATTO15CAL6w_00090	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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Dichlorotetrafluoroethane	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
							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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							n-Hexane	0.500453 ppb v/v
							n-Nonane	0.500453 ppb v/v
							n-Octane	0.500453 ppb v/v
							n-Propylbenzene	0.500453 ppb v/v
							Naphthalene	0.500453 ppb v/v
							Pentane	0.500453 ppb v/v
							Propene	0.500453 ppb v/v
							sec-Butylbenzene	0.500453 ppb v/v
							Styrene	0.500453 ppb v/v
							tert-Butyl alcohol	0.500453 ppb v/v
							tert-Butylbenzene	0.500453 ppb v/v
							Tetrachloroethene	0.500453 ppb v/v
							Tetrahydrofuran	0.500453 ppb v/v
							Toluene	0.500453 ppb v/v
							trans-1,2-Dichloroethene	0.500453 ppb v/v
							trans-1,3-Dichloropropene	0.500453 ppb v/v
							Trichloroethene	0.500453 ppb v/v
							Trichlorofluoromethane	0.500453 ppb v/v
							Undecane	0.500453 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Vinyl acetate	0.500453 ppb v/v
							Vinyl chloride	0.500453 ppb v/v
							Xylene, o-	0.500453 ppb v/v
							Ethanol	5.01064 ppb v/v
					ATTO15EthCALw_00046	124 mL	Ethanol	5.01064 ppb v/v
.ATTO15CAL6w_00090	06/26/14	04/15/14	DI WATER, Lot 2575	15.463 L	ATTO15CALSTKi_00056	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
							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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							cis-1,2-Dichloroethene	19.9961 ppb v/v
							cis-1,3-Dichloropropene	19.9961 ppb v/v
							Cumene	19.9961 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Cyclohexane	19.9961 ppb v/v
							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
							n-Decane	19.9961 ppb v/v
							n-Heptane	19.9961 ppb v/v
							n-Hexane	19.9961 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00046	1237 mL	Ethanol	39.9987 ppb v/v
..ATTO15CALSTKi_00056	07/01/14	04/01/14	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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

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	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
							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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Dichlorobenzene	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
							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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

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)	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_00046	06/26/14	03/26/14	VOA Free Water, Lot 4985	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_00046	06/26/14	03/26/14	VOA Free Water, Lot 4985	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_00136	08/30/14	07/01/14	DI WATER, Lot 5399	15.463 L	ATTO15CAL6w_00092	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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							n-Hexane	0.500453 ppb v/v
							n-Nonane	0.500453 ppb v/v
							n-Octane	0.500453 ppb v/v
							n-Propylbenzene	0.500453 ppb v/v
							Naphthalene	0.500453 ppb v/v
							Pentane	0.500453 ppb v/v
							Propene	0.500453 ppb v/v
							sec-Butylbenzene	0.500453 ppb v/v
							Styrene	0.500453 ppb v/v
							tert-Butyl alcohol	0.500453 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							tert-Butylbenzene	0.500453 ppb v/v
							Tetrachloroethene	0.500453 ppb v/v
							Tetrahydrofuran	0.500453 ppb v/v
							Toluene	0.500453 ppb v/v
							trans-1,2-Dichloroethene	0.500453 ppb v/v
							trans-1,3-Dichloropropene	0.500453 ppb v/v
							Trichloroethene	0.500453 ppb v/v
							Trichlorofluoromethane	0.500453 ppb v/v
							Undecane	0.500453 ppb v/v
							Vinyl acetate	0.500453 ppb v/v
							Vinyl chloride	0.500453 ppb v/v
							Xylene, o-	0.500453 ppb v/v
							Ethanol	5.01064 ppb v/v
					ATTO15EthCALw_00047	124 mL	Ethanol	5.01064 ppb v/v
.ATTO15CAL6w_00092	08/30/14	06/02/14	DI WATER, Lot 4432	15.463 L	ATTO15CALSTKi_00057	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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Dichloroethane	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
							Bromoethene(Vinyl Bromide)	19.9961 ppb v/v
							Bromoform	19.9961 ppb v/v
							Bromomethane	19.9961 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							trans-1,2-Dichloroethene	19.9961 ppb v/v
							trans-1,3-Dichloropropene	19.9961 ppb v/v
							Trichloroethene	19.9961 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Trichlorofluoromethane	19.9961 ppb v/v
							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_00047	1237 mL	Ethanol	39.9987 ppb v/v
..ATTO15CALSTKi_00057	08/30/14	05/30/14	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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

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 Burlington Job No.: 280-58004-1

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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

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_00047	09/02/14	06/02/14	VOA Free Water, Lot 4985	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_00047	09/02/14	06/02/14	VOA Free Water, Lot 4985	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_00127	06/26/14	04/15/14	DI WATER, Lot 3646	15.463 L	ATTO15CALSTKi_00056	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
							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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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_00046	309 mL	Ethanol	9.99159 ppb v/v
.ATTO15CALSTKi_00056	07/01/14	04/01/14	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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

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	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
							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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Dichlorobenzene	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
							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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

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)	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_00046	06/26/14	03/26/14	VOA Free Water, Lot 4985	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_00128	08/30/14	06/02/14	DI WATER, Lot 3432	15.463 L	ATTO15CALSTKi_00057	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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

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	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
							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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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_00047	309 mL	Ethanol	9.99159 ppb v/v
.ATTO15CALSTKi_00057	08/30/14	05/30/14	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

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							n-Heptane	200 ppb v/v
							n-Hexane	200 ppb v/v
							n-Nonane	200 ppb v/v
							n-Octane	200 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							n-Propylbenzene	1 ppm v/v
							Naphthalene	1 ppm v/v
							Pentane	1 ppm v/v
							Propene	1 ppm v/v

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00047	09/02/14	06/02/14	VOA Free Water, Lot 4985	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_00130	08/30/14	07/01/14	DI WATER, Lot 3093	15.463 L	ATTO15CALSTKi_00057	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
							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

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Xylene, o-	4.99256 ppb v/v
					ATTO15EthCALw_00047	309 mL	Ethanol	9.99159 ppb v/v
.ATTO15CALSTKi_00057	08/30/14	05/30/14	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
							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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..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
							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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							Vinyl acetate	1 ppm v/v
							Vinyl chloride	1 ppm v/v
							Xylene, o-	1 ppm v/v
.ATTO15EthCALw_00047	09/02/14	06/02/14	VOA Free Water, Lot 4985	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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
ATTO15CAL4w_00362	06/26/14	05/08/14	Zero Air, Lot 5449	15.463 L	ATTO15CALSTKi_00056	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
							3-Chloropropene	9.99806 ppb v/v
							4-Ethyltoluene	9.99806 ppb v/v
							4-Isopropyltoluene	9.99806 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							Dibromomethane	9.99806 ppb v/v
							Dichlorodifluoromethane	9.99806 ppb v/v
							Dodecane	9.99806 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							n-Propylbenzene	9.99806 ppb v/v
							Naphthalene	9.99806 ppb v/v
							Pentane	9.99806 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00046	464 mL	Ethanol	15.0036 ppb v/v
.ATTO15CALSTKi_00056	07/01/14	04/01/14	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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00046	06/26/14	03/26/14	VOA Free Water, Lot 4985	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_00367	08/30/14	07/01/14	Zero Air, Lot 5421	15.463 L	ATTO15CALSTKi_00057	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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Dichloropropane	9.99806 ppb v/v
							1,2-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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

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	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
							n-Propylbenzene	9.99806 ppb v/v
							Naphthalene	9.99806 ppb v/v
							sec-Butylbenzene	9.99806 ppb v/v

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00057	08/30/14	05/30/14	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
							1,2,4-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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acetone	200 ppb v/v
							Benzene	200 ppb v/v
							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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
ATTO15CAL4w_00369	08/30/14	07/01/14	Zero Air, Lot 2964	15.463 L	ATTO15CALSTKi_00057	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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Dichloroethane	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
							Chloroethane	9.99806 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							n-Propylbenzene	9.99806 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00057	08/30/14	05/30/14	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
							1,2,4-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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							Tetrahydrofuran	200 ppb v/v
							Toluene	200 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

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	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
							Cyclohexane	1 ppm v/v
							Dibromochloromethane	1 ppm v/v

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dichlorodifluoromethane	1 ppm v/v
							Ethylbenzene	1 ppm v/v
							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
ATTO15CAL4w_00370	08/30/14	07/01/14	Zero Air, Lot 3558	15.463 L	ATTO15CALSTKi_00057	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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2,4-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
							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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00047	464 mL	Ethanol	15.0036 ppb v/v
.ATTO15CALSTKi_00057	08/30/14	05/30/14	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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							Pentane	200 ppb v/v
							Propene	200 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							Benzyl chloride	1 ppm v/v
							Bromodichloromethane	1 ppm v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Bromoethene(Vinyl Bromide)	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
							tert-Butyl alcohol	1 ppm v/v
							tert-Butylbenzene	1 ppm v/v

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Tetrachloroethene	1 ppm v/v
							Tetrahydrofuran	1 ppm v/v
							Toluene	1 ppm v/v
							trans-1,2-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_00047	09/02/14	06/02/14	VOA Free Water, Lot 4985	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_00370	08/30/14	07/01/14	Zero Air, Lot 3558	15.463 L	ATTO15CALSTKi_00057	773 mL	1,2-Dichloroethene, Total	19.9961 ppb v/v
							Xylene (total)	29.9942 ppb v/v
.ATTO15CALSTKi_00057	08/30/14	05/30/14	DI WATER, Lot 7952	37.5 L	ATTO15CALs_00021	7500 mL	1,2-Dichloroethene, Total	400 ppb v/v
							Xylene (total)	600 ppb v/v
..ATTO15CALs_00021	01/10/15		Spectra Gases, Lot cc-90855		(Purchased Reagent)		1,2-Dichloroethene, Total	2 ppm v/v
							Xylene (total)	3 ppm v/v
ATTO15CAL4w_00372	08/30/14	07/01/14	Zero Air, Lot 3643	15.463 L	ATTO15CALSTKi_00057	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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

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
							2-Methylbutane	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
							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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Vinyl acetate	9.99806 ppb v/v
							Vinyl chloride	9.99806 ppb v/v
							Xylene, o-	9.99806 ppb v/v
					ATTO15EthCALw_00047	464 mL	Ethanol	15.0036 ppb v/v
.ATTO15CALSTKi_00057	08/30/14	05/30/14	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
							Carbon tetrachloride	200 ppb v/v
							Chlorobenzene	200 ppb v/v
							Chloroethane	200 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							trans-1,3-Dichloropropene	200 ppb v/v
							Trichloroethene	200 ppb v/v
							Trichlorofluoromethane	200 ppb v/v

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							Chloromethane	1 ppm v/v
							cis-1,2-Dichloroethene	1 ppm v/v
							cis-1,3-Dichloropropene	1 ppm v/v

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							Vinyl acetate	1 ppm v/v
							Vinyl chloride	1 ppm v/v
							Xylene, o-	1 ppm v/v

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.ATTO15EthCALw_00047	09/02/14	06/02/14	VOA Free Water, Lot 4985	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
ATTO15CAL5w_00045	06/26/14	04/15/14	DI WATER, Lot 2961	15.463 L	ATTO15CALSTKi_00056	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
							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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Ethyltoluene	15.0036 ppb v/v
							4-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
							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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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_00046	620 mL	Ethanol	20.0479 ppb v/v
.ATTO15CALSTKi_00056	07/01/14	04/01/14	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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							Methyl Butyl Ketone (2-Hexanone)	200 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Methyl Ethyl Ketone	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
							1,3,5-Trimethylbenzene	1 ppm v/v
							1,3-Butadiene	1 ppm v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							Methyl methacrylate	1 ppm v/v
							Methyl tert-butyl ether	1 ppm v/v

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Methylene Chloride	1 ppm v/v
							n-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_00046	06/26/14	03/26/14	VOA Free Water, Lot 4985	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
ATTO15CAL5w_00046	08/30/14	07/01/14	DI WATER, Lot 3649	15.463 L	ATTO15CALSTKi_00057	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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							Benzyl chloride	15.0036 ppb v/v
							Bromodichloromethane	15.0036 ppb v/v
							Bromoethene(Vinyl Bromide)	15.0036 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Methyl Ethyl Ketone	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
							Tetrahydrofuran	15.0036 ppb v/v
							Toluene	15.0036 ppb v/v
							trans-1,2-Dichloroethene	15.0036 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

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	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_00047	620 mL	Ethanol	20.0479 ppb v/v
.ATTO15CALSTKi_00057	08/30/14	05/30/14	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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Bromoethene(Vinyl Bromide)	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
							tert-Butyl alcohol	200 ppb v/v
							tert-Butylbenzene	200 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Carbon tetrachloride	1 ppm v/v
							Chlorobenzene	1 ppm v/v
							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
							Toluene	1 ppm v/v
							trans-1,2-Dichloroethene	1 ppm v/v

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

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	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_00047	09/02/14	06/02/14	VOA Free Water, Lot 4985	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_00091	06/26/14	04/15/14	DI WATER, Lot 4432	15.463 L	ATTO15CALSTKi_00056	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
							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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							cis-1,2-Dichloroethene	19.9961 ppb v/v
							cis-1,3-Dichloropropene	19.9961 ppb v/v
							Cumene	19.9961 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Cyclohexane	19.9961 ppb v/v
							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
							n-Decane	19.9961 ppb v/v
							n-Heptane	19.9961 ppb v/v
							n-Hexane	19.9961 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00046	1237 mL	Ethanol	39.9987 ppb v/v
.ATTO15CALSTKi_00056	07/01/14	04/01/14	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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

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	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
							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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Dichlorobenzene	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
							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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

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)	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_00046	06/26/14	03/26/14	VOA Free Water, Lot 4985	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_00092	08/30/14	06/02/14	DI WATER, Lot 4432	15.463 L	ATTO15CALSTKi_00057	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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

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	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
							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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzene	19.9961 ppb v/v
							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
							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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00047	1237 mL	Ethanol	39.9987 ppb v/v
.ATTO15CALSTKi_00057	08/30/14	05/30/14	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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							n-Heptane	200 ppb v/v
							n-Hexane	200 ppb v/v
							n-Nonane	200 ppb v/v
							n-Octane	200 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							n-Propylbenzene	1 ppm v/v
							Naphthalene	1 ppm v/v
							Pentane	1 ppm v/v
							Propene	1 ppm v/v

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00047	09/02/14	06/02/14	VOA Free Water, Lot 4985	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_00046	06/26/14	04/15/14	DI WATER, Lot 3308	15.463 L	ATTO15CALSTKi_00056	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
							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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,3-Butadiene	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
							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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Xylene, o-	39.9922 ppb v/v
					ATTO15EthCALw_00046	3092 mL	Ethanol	99.9806 ppb v/v
.ATTO15CALSTKi_00056	07/01/14	04/01/14	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
							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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..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
							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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							Vinyl acetate	1 ppm v/v
							Vinyl chloride	1 ppm v/v
							Xylene, o-	1 ppm v/v
.ATTO15EthCALw_00046	06/26/14	03/26/14	VOA Free Water, Lot 4985	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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
ATTO15CAL7w_00047	08/30/14	07/01/14	DI WATER, Lot 3510	15.463 L	ATTO15CALSTKi_00057	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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acetone	39.9922 ppb v/v
							Acetonitrile	39.9922 ppb v/v
							Acrolein	39.9922 ppb v/v
							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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Ethyl acetate	39.9922 ppb v/v
							Ethyl ether	39.9922 ppb v/v
							Ethylbenzene	39.9922 ppb v/v
							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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Propene	39.9922 ppb v/v
							sec-Butylbenzene	39.9922 ppb v/v
							Styrene	39.9922 ppb v/v
							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_00047	3092 mL	Ethanol	99.9806 ppb v/v
.ATTO15CALSTKi_00057	08/30/14	05/30/14	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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00047	09/02/14	06/02/14	VOA Free Water, Lot 4985	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
ATTO15CISs_00006	11/15/15		Spectra, Lot CC-250115		(Purchased Reagent)		1,4-Difluorobenzene	100 ppb v/v
							Chlorobenzene-d5	100 ppb v/v
							Chlorobromomethane	100 ppb v/v
ATTO15GIS_00009	11/15/15		Spectra Gases, Lot CC-279057		(Purchased Reagent)		1,4-Difluorobenzene	100 ppb v/v
							Chlorobenzene-d5	100 ppb v/v
							Chlorobromomethane	100 ppb v/v
ATTO15LCSW_00375	07/01/14	04/25/14	Zero Air, Lot 5399	15.463 L	ATTO15LCSSTKi_00051	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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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
.ATTO15LCSSTKi_00051	07/01/14	04/01/14	DI WATER, Lot 1003	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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,4-Dichlorobenzene	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
							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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

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	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
							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
ATTO15LCSW_00380	07/24/14	06/30/14	Zero Air, Lot 3142	15.463 L	ATTO15LCSSTKi_00052	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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2,4-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
							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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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
.ATTO15LCSSTKi_00052	08/30/14	05/30/14	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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Dichlorotetrafluoroethane	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
							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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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
ATTO15LCSW_00386	07/24/14	06/30/14	Zero Air, Lot 2551	15.463 L	ATTO15LCSSTKi_00052	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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,1-Dichloroethane	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
							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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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
.ATTO15LCSSTKi_00052	08/30/14	05/30/14	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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

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-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
							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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

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
							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
ATTO15LCSW_00387	07/24/14	06/30/14	Zero Air, Lot 2990	15.463 L	ATTO15LCSSTKi_00052	773 mL	1,1,1-Trichloroethane	9.99806 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

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	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
							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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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
.ATTO15LCSSTKi_00052	08/30/14	05/30/14	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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

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
							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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Xylene (total)	3 ppm v/v
							Xylene, o-	1 ppm v/v
ATTO15LCSW_00389	08/30/14	07/23/14	Zero Air, Lot 3611	15.463 L	ATTO15LCSSTKi_00052	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
							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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Methyl Ethyl Ketone	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
							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
.ATTO15LCSSTKi_00052	08/30/14	05/30/14	DI WATER, Lot 1014	37.5 L	ATTO15LCSs_00017	7500 mL	1,1,1-Trichloroethane	200 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

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
							1,2,4-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
							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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

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-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
							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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Ethyltoluene	1 ppm v/v
							4-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
							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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

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	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
ATTO15LCSW_00394	08/30/14	07/23/14	Zero Air, Lot 4648	15.463 L	ATTO15LCSSTKi_00052	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
							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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Xylene (total)	29.9942 ppb v/v
							Xylene, o-	9.99806 ppb v/v
.ATTO15LCSSTKi_00052	08/30/14	05/30/14	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
							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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,4-Dioxane	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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Tetrachloroethene	1 ppm v/v
							Tetrahydrofuran	1 ppm v/v
							Toluene	1 ppm v/v
							trans-1,2-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

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South Burlington, VT 05403

Tank from W. Sac.

627134
ID: ATTO15CALs_00021
Exp:01/10/15 Prpd:PAD Opn:01/10/14
TO15 Calibration Source T

CERTIFICATE OF ANALYSIS

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

COMPONENT	CAS NUMBER	REQUESTED CONC	CERTIFIED CONC
Propylene	115-07-1	1.00 ppm	1.14 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

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30 Community Drive Suite 11
South Burlington, VT 05403

PAGE: 2 of 4

627134
ID: ATTO15CALs_00021
Exp:01/10/15 Prpd:PAD Opn:01/10/14
TO15 Calibration Source T

CERTIFICATE OF ANALYSIS

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

COMPONENT	CAS NUMBER	REQUESTED CONC	CERTIFIED 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

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30 Community Drive Suite 11
South Burlington, VT 05403

PAGE: 3 of 4

627134
ID: ATTO15CALs_00021
Exp:01/10/15 Prpd:PAD Opn:01/10/14
TO15 Calibration Source T

CERTIFICATE OF ANALYSIS

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

COMPONENT	CAS NUMBER	REQUESTED CONC	CERTIFIED 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

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30 Community Drive Suite 11
South Burlington, VT 05403

PAGE: 4 of 4

627134
ID: ATTO15CALs_00021
Exp:01/10/15 Prpd:PAD Opn:01/10/14
TO15 Calibration Source T

CERTIFICATE OF ANALYSIS

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

COMPONENT	CAS NUMBER	REQUESTED CONC	CERTIFIED 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

SIGMA-ALDRICH

sigma-aldrich.com

3050 Spruce Street, Saint Louis, MO 63103, USA
Website: www.sigmaaldrich.com
Email USA: techserv@sial.com
Outside USA: eurtechserv@sial.com

9/15/11

Certificate of Analysis

Product Name:
Ethanol - 200 proof, anhydrous, ≥99.5%

CH_3CH_2OH

Product Number:	**459836**
Lot Number:	**SHBB5682V**
Brand:	SIAL
CAS Number:	64-17-5
MDL Number:	MFCD00003568
Formula:	C2H6O
Formula Weight:	46.07 g/mol
Quality Release Date:	15 SEP 2011

389837
ID: ATTO15EthCALs_00007
Exp 09/01/17 Prod Prd Open 09/01/12
TO15 Ethanol Cal source 9

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

Jennifer Baughman, Manager
Quality Control
Sheboygan Falls, WI US

Spectra Gases, Inc.

3434 Route 22 West, Branchburg, New Jersey 08876 USA

ISO 9001:2000

G

SHIPPED FROM: 80 INDUSTRIAL DRIVE ALPHA, NJ. 08865

SHIPPED TO: Test America - Burlington
30 Community Drive
South Burlington, VT 05403 USA

ATO2-011-18

CERTIFICATE OF ANALYSIS

SGI ORDER # :	140016		
ITEM# :	1	**CYLINDER # :**	CC-279057
CERTIFICATION DATE:	12/11/2008	**CYLINDER PRES:**	2000 psig
P.O.# :	2282386	**CYLINDER VALVE:**	CGA 350
BLEND TYPE:	CERTIFIED	**PRODUCT EXPIRATION DATE:**	12/11/2009

ANALYTICAL ACCURACY: +/-10%

COMPONENT	REQUESTED GAS CONC	ANALYSIS
Bromochloromethane	100 ppb	103 ppb
1,4-Difluorobenzene	100 ppb	106 ppb
Chlorobenzene-d5	100 ppb	107 ppb
4-Bromofluorobenzene	100 ppb	107 ppb
Nitrogen	Balance	Balance

84582
ID: ATTO15GIS_00005
Exp 11/15/11 Prpd WRD Open 12/01/10
Instrument G Internal Sta

SOURCE REFERENCE # 260788

ANALYST: Matthew Booth

DATE: 12/11/2008

Tel: +1 908-252-9300 Fax: +1 908-252-0811
www.spectragases.com

Spectra Gases, Inc.
3434 Route 22 West, Branchburg, New Jersey 08876 USA
ISO 9001:2000

AT06= 02-06-05 9/28/05 MTP

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

Recert AT020/009 exp 12/10/08
Instrument F

CERTIFICATE OF ANALYSIS

Lot# 238643

SGI ORDER # :	0077411		
ITEM# :	1	**CYLINDER # :**	CC-172855
CERTIFICATION DATE:	9/16/2005	**CYLINDER PRES:**	2000 psig
P.O.# :	2117184	**CYLINDER VALVE:**	CGA 350
BLEND TYPE:	CERTIFIED	**PRODUCT EXPIRATION DATE:**	9/16/2006

ANALYTICAL ACCURACY: +/- 10%

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

84579
ID: ATTO15FISs_00003
Exp 11/15/11 Prpd WRD Open 12/01/10
Instrument F Internal Sta

ANALYST: April Chamberlain

DATE: 9/19/2005

Tel: +1 908-252-9300 Fax: +1 908-252-0811
www.spectragases.com

Certification Summary

Client: FPM Remediations Inc
Project/Site: Griffiss AFB 1015-11-01 SVI

TestAmerica Job ID: 280-58004-1

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	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.: 280-58004-1

SDG No.:

Matrix: Air Level: Low Lab File ID: 8660_003.D

Lab ID: LCS 200-75167/3 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Dichlorodifluoromethane	10.0	11.2	112	70-130	
Freon 22	10.0	11.8	118	70-130	
1,2-Dichlorotetrafluoroethane	10.0	12.6	126	70-130	
Chloromethane	10.0	10.6	106	70-130	
n-Butane	10.0	10.6	106	70-130	
Vinyl chloride	10.0	9.96	100	70-130	
1,3-Butadiene	10.0	9.99	100	70-130	
Bromomethane	10.0	11.0	110	70-130	
Chloroethane	10.0	10.8	108	70-130	
Bromoethene(Vinyl Bromide)	10.0	10.7	107	70-130	
Trichlorofluoromethane	10.0	11.2	112	70-130	
Freon TF	10.0	11.0	110	70-130	
1,1-Dichloroethene	10.0	10.6	106	70-130	
Acetone	10.0	11.9	119	70-130	
Isopropyl alcohol	10.0	9.02	90	70-130	
Carbon disulfide	10.0	11.8	118	70-130	
3-Chloropropene	10.0	9.55	96	70-130	
Methylene Chloride	10.0	11.0	110	70-130	
tert-Butyl alcohol	10.0	9.87	99	70-130	
Methyl tert-butyl ether	10.0	10.8	108	70-130	
trans-1,2-Dichloroethene	10.0	11.8	118	70-130	
n-Hexane	10.0	11.0	110	70-130	
1,1-Dichloroethane	10.0	10.4	104	70-130	
Methyl Ethyl Ketone	10.0	10.0	100	70-130	
cis-1,2-Dichloroethene	10.0	9.89	99	70-130	
Chloroform	10.0	10.9	109	70-130	
Tetrahydrofuran	10.0	10.6	106	70-130	
1,1,1-Trichloroethane	10.0	10.8	108	70-130	
Cyclohexane	10.0	10.0	100	70-130	
Carbon tetrachloride	10.0	9.98	100	70-130	
2,2,4-Trimethylpentane	10.0	10.0	100	70-130	
Benzene	10.0	9.85	98	70-130	
1,2-Dichloroethane	10.0	11.1	111	70-130	
n-Heptane	10.0	10.2	102	70-130	
Trichloroethene	10.0	10.4	104	70-130	
Methyl methacrylate	10.0	10.9	109	70-130	
1,2-Dichloropropane	10.0	10.4	104	70-130	
1,4-Dioxane	10.0	10.0	100	70-130	
Bromodichloromethane	10.0	11.3	113	70-130	
cis-1,3-Dichloropropene	10.0	11.7	117	70-130	
methyl isobutyl ketone	10.0	11.1	111	70-130	
Toluene	10.0	11.2	112	70-130	

Column to be used to flag recovery and RPD values

FORM III TO-15

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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Matrix: Air Level: Low Lab File ID: 8660_003.D

Lab ID: LCS 200-75167/3 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
trans-1,3-Dichloropropene	10.0	12.1	121	70-130	
1,1,2-Trichloroethane	10.0	11.9	119	70-130	
Tetrachloroethene	10.0	8.99	90	70-130	
Methyl Butyl Ketone (2-Hexanone)	10.0	11.1	111	70-130	
Dibromochloromethane	10.0	10.3	103	70-130	
1,2-Dibromoethane	10.0	11.4	114	70-130	
Chlorobenzene	10.0	10.5	106	70-130	
Ethylbenzene	10.0	11.5	115	70-130	
m,p-Xylene	20.0	21.4	107	70-130	
Xylene, o-	10.0	10.6	106	70-130	
Styrene	10.0	11.2	112	70-130	
Bromoform	10.0	9.47	95	70-130	
Cumene	10.0	10.9	109	70-130	
1,1,2,2-Tetrachloroethane	10.0	11.8	118	70-130	
n-Propylbenzene	10.0	11.6	116	70-130	
4-Ethyltoluene	10.0	11.2	112	70-130	
1,3,5-Trimethylbenzene	10.0	11.3	113	70-130	
2-Chlorotoluene	10.0	11.4	114	70-130	
tert-Butylbenzene	10.0	10.8	108	70-130	
1,2,4-Trimethylbenzene	10.0	11.6	116	70-130	
sec-Butylbenzene	10.0	11.7	117	70-130	
4-Isopropyltoluene	10.0	11.0	110	70-130	
1,3-Dichlorobenzene	10.0	10.6	106	70-130	
1,4-Dichlorobenzene	10.0	10.3	103	70-130	
Benzyl chloride	10.0	11.1	111	70-130	
n-Butylbenzene	10.0	12.5	125	70-130	
1,2-Dichlorobenzene	10.0	10.6	106	70-130	
1,2,4-Trichlorobenzene	10.0	9.75	98	70-130	
Hexachlorobutadiene	10.0	9.39	94	70-130	
Naphthalene	10.0	11.1	111	70-130	

Column to be used to flag recovery and RPD values

FORM III TO-15

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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Matrix: Air Level: Low Lab File ID: 8677_003.D

Lab ID: LCS 200-75211/3 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Dichlorodifluoromethane	10.0	10.7	107	70-130	
Freon 22	10.0	10.6	106	70-130	
1,2-Dichlorotetrafluoroethane	10.0	11.3	113	70-130	
Chloromethane	10.0	9.77	98	70-130	
n-Butane	10.0	9.87	99	70-130	
Vinyl chloride	10.0	9.84	98	70-130	
1,3-Butadiene	10.0	9.69	97	70-130	
Bromomethane	10.0	9.64	96	70-130	
Chloroethane	10.0	9.48	95	70-130	
Bromoethene(Vinyl Bromide)	10.0	9.38	94	70-130	
Trichlorofluoromethane	10.0	10.0	100	70-130	
Freon TF	10.0	10.1	101	70-130	
1,1-Dichloroethene	10.0	9.71	97	70-130	
Acetone	10.0	10.4	104	70-130	
Isopropyl alcohol	10.0	8.69	87	70-130	
Carbon disulfide	10.0	10.3	103	70-130	
3-Chloropropene	10.0	8.81	88	70-130	
Methylene Chloride	10.0	9.66	97	70-130	
tert-Butyl alcohol	10.0	9.43	94	70-130	
Methyl tert-butyl ether	10.0	9.86	99	70-130	
trans-1,2-Dichloroethene	10.0	10.2	102	70-130	
n-Hexane	10.0	10.2	102	70-130	
1,1-Dichloroethane	10.0	9.85	99	70-130	
Methyl Ethyl Ketone	10.0	8.92	89	70-130	
cis-1,2-Dichloroethene	10.0	9.37	94	70-130	
Chloroform	10.0	9.95	99	70-130	
Tetrahydrofuran	10.0	9.53	95	70-130	
1,1,1-Trichloroethane	10.0	9.87	99	70-130	
Cyclohexane	10.0	9.46	95	70-130	
Carbon tetrachloride	10.0	10.0	100	70-130	
2,2,4-Trimethylpentane	10.0	9.31	93	70-130	
Benzene	10.0	9.22	92	70-130	
1,2-Dichloroethane	10.0	10.1	101	70-130	
n-Heptane	10.0	9.47	95	70-130	
Trichloroethene	10.0	10.2	102	70-130	
Methyl methacrylate	10.0	10.5	105	70-130	
1,2-Dichloropropane	10.0	9.94	99	70-130	
1,4-Dioxane	10.0	9.84	98	70-130	
Bromodichloromethane	10.0	10.3	103	70-130	
cis-1,3-Dichloropropene	10.0	10.3	103	70-130	
methyl isobutyl ketone	10.0	9.52	95	70-130	
Toluene	10.0	9.79	98	70-130	

Column to be used to flag recovery and RPD values

FORM III TO-15

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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Matrix: Air Level: Low Lab File ID: 8677_003.D

Lab ID: LCS 200-75211/3 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
trans-1,3-Dichloropropene	10.0	9.67	97	70-130	
1,1,2-Trichloroethane	10.0	9.88	99	70-130	
Tetrachloroethene	10.0	9.43	94	70-130	
Methyl Butyl Ketone (2-Hexanone)	10.0	9.24	92	70-130	
Dibromochloromethane	10.0	9.79	98	70-130	
1,2-Dibromoethane	10.0	9.91	99	70-130	
Chlorobenzene	10.0	9.53	95	70-130	
Ethylbenzene	10.0	9.80	98	70-130	
m,p-Xylene	20.0	19.0	95	70-130	
Xylene, o-	10.0	9.54	95	70-130	
Styrene	10.0	9.71	97	70-130	
Bromoform	10.0	9.78	98	70-130	
Cumene	10.0	9.65	97	70-130	
1,1,2,2-Tetrachloroethane	10.0	9.81	98	70-130	
n-Propylbenzene	10.0	9.85	99	70-130	
4-Ethyltoluene	10.0	9.91	99	70-130	
1,3,5-Trimethylbenzene	10.0	9.79	98	70-130	
2-Chlorotoluene	10.0	9.58	96	70-130	
tert-Butylbenzene	10.0	9.67	97	70-130	
1,2,4-Trimethylbenzene	10.0	9.80	98	70-130	
sec-Butylbenzene	10.0	9.69	97	70-130	
4-Isopropyltoluene	10.0	9.78	98	70-130	
1,3-Dichlorobenzene	10.0	9.56	96	70-130	
1,4-Dichlorobenzene	10.0	9.70	97	70-130	
Benzyl chloride	10.0	9.30	93	70-130	
n-Butylbenzene	10.0	10.2	102	70-130	
1,2-Dichlorobenzene	10.0	9.61	96	70-130	
1,2,4-Trichlorobenzene	10.0	11.4	114	70-130	
Hexachlorobutadiene	10.0	10.7	107	70-130	
Naphthalene	10.0	11.1	111	70-130	

Column to be used to flag recovery and RPD values

FORM III TO-15

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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Matrix: Air Level: Low Lab File ID: 8834_004.D

Lab ID: LCS 200-75599/4 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Dichlorodifluoromethane	10.0	11.1	111	70-130	
Freon 22	10.0	11.0	110	70-130	
1,2-Dichlorotetrafluoroethane	10.0	11.6	116	70-130	
Chloromethane	10.0	10.2	102	70-130	
n-Butane	10.0	9.30	93	70-130	
Vinyl chloride	10.0	9.38	94	70-130	
1,3-Butadiene	10.0	8.97	90	70-130	
Bromomethane	10.0	8.42	84	70-130	
Chloroethane	10.0	8.07	81	70-130	
Bromoethene(Vinyl Bromide)	10.0	8.12	81	70-130	
Trichlorofluoromethane	10.0	9.74	97	70-130	
Freon TF	10.0	10.0	100	70-130	
1,1-Dichloroethene	10.0	9.55	96	70-130	
Acetone	10.0	12.0	120	70-130	
Isopropyl alcohol	10.0	8.94	89	70-130	
Carbon disulfide	10.0	10.0	100	70-130	
3-Chloropropene	10.0	8.81	88	70-130	
Methylene Chloride	10.0	10.3	103	70-130	
tert-Butyl alcohol	10.0	9.54	95	70-130	
Methyl tert-butyl ether	10.0	9.90	99	70-130	
trans-1,2-Dichloroethene	10.0	10.3	103	70-130	
n-Hexane	10.0	10.2	102	70-130	
1,1-Dichloroethane	10.0	9.85	99	70-130	
Methyl Ethyl Ketone	10.0	9.06	91	70-130	
cis-1,2-Dichloroethene	10.0	9.04	90	70-130	
Chloroform	10.0	9.84	98	70-130	
Tetrahydrofuran	10.0	9.91	99	70-130	
1,1,1-Trichloroethane	10.0	10.1	101	70-130	
Cyclohexane	10.0	9.33	93	70-130	
Carbon tetrachloride	10.0	10.1	101	70-130	
2,2,4-Trimethylpentane	10.0	9.58	96	70-130	
Benzene	10.0	9.31	93	70-130	
1,2-Dichloroethane	10.0	11.0	110	70-130	
n-Heptane	10.0	10.1	101	70-130	
Trichloroethene	10.0	10.4	104	70-130	
Methyl methacrylate	10.0	10.8	108	70-130	
1,2-Dichloropropane	10.0	10.6	106	70-130	
1,4-Dioxane	10.0	10.0	100	70-130	
Bromodichloromethane	10.0	10.9	109	70-130	
cis-1,3-Dichloropropene	10.0	10.7	107	70-130	
methyl isobutyl ketone	10.0	10.6	106	70-130	
Toluene	10.0	9.72	97	70-130	

Column to be used to flag recovery and RPD values

FORM III TO-15

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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Matrix: Air Level: Low Lab File ID: 8834_004.D

Lab ID: LCS 200-75599/4 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
trans-1,3-Dichloropropene	10.0	9.91	99	70-130	
1,1,2-Trichloroethane	10.0	10.2	102	70-130	
Tetrachloroethene	10.0	8.83	88	70-130	
Methyl Butyl Ketone (2-Hexanone)	10.0	10.2	102	70-130	
Dibromochloromethane	10.0	9.77	98	70-130	
1,2-Dibromoethane	10.0	9.90	99	70-130	
Chlorobenzene	10.0	9.24	92	70-130	
Ethylbenzene	10.0	9.90	99	70-130	
m,p-Xylene	20.0	18.6	93	70-130	
Xylene, o-	10.0	9.29	93	70-130	
Styrene	10.0	9.61	96	70-130	
Bromoform	10.0	9.19	92	70-130	
Cumene	10.0	9.50	95	70-130	
1,1,2,2-Tetrachloroethane	10.0	10.2	102	70-130	
n-Propylbenzene	10.0	9.94	99	70-130	
4-Ethyltoluene	10.0	9.70	97	70-130	
1,3,5-Trimethylbenzene	10.0	9.73	97	70-130	
2-Chlorotoluene	10.0	9.78	98	70-130	
tert-Butylbenzene	10.0	9.43	94	70-130	
1,2,4-Trimethylbenzene	10.0	9.86	99	70-130	
sec-Butylbenzene	10.0	9.67	97	70-130	
4-Isopropyltoluene	10.0	9.63	96	70-130	
1,3-Dichlorobenzene	10.0	9.05	91	70-130	
1,4-Dichlorobenzene	10.0	9.09	91	70-130	
Benzyl chloride	10.0	8.21	82	70-130	
n-Butylbenzene	10.0	10.3	103	70-130	
1,2-Dichlorobenzene	10.0	9.16	92	70-130	
1,2,4-Trichlorobenzene	10.0	9.33	93	70-130	
Hexachlorobutadiene	10.0	9.85	98	70-130	
Naphthalene	10.0	9.33	93	70-130	

Column to be used to flag recovery and RPD values

FORM III TO-15

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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Matrix: Air Level: Low Lab File ID: 8862_004.D

Lab ID: LCS 200-75651/4 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Dichlorodifluoromethane	10.0	11.2	112	70-130	
Freon 22	10.0	11.3	113	70-130	
1,2-Dichlorotetrafluoroethane	10.0	11.7	117	70-130	
Chloromethane	10.0	10.5	105	70-130	
n-Butane	10.0	9.35	94	70-130	
Vinyl chloride	10.0	9.36	94	70-130	
1,3-Butadiene	10.0	9.21	92	70-130	
Bromomethane	10.0	8.42	84	70-130	
Chloroethane	10.0	7.98	80	70-130	
Bromoethene(Vinyl Bromide)	10.0	7.98	80	70-130	
Trichlorofluoromethane	10.0	9.89	99	70-130	
Freon TF	10.0	9.96	100	70-130	
1,1-Dichloroethene	10.0	9.84	98	70-130	
Acetone	10.0	12.3	123	70-130	
Isopropyl alcohol	10.0	9.04	90	70-130	
Carbon disulfide	10.0	10.0	100	70-130	
3-Chloropropene	10.0	9.01	90	70-130	
Methylene Chloride	10.0	10.1	101	70-130	
tert-Butyl alcohol	10.0	9.65	97	70-130	
Methyl tert-butyl ether	10.0	9.81	98	70-130	
trans-1,2-Dichloroethene	10.0	10.4	104	70-130	
n-Hexane	10.0	10.4	104	70-130	
1,1-Dichloroethane	10.0	9.98	100	70-130	
Methyl Ethyl Ketone	10.0	9.23	92	70-130	
cis-1,2-Dichloroethene	10.0	9.17	92	70-130	
Chloroform	10.0	10.1	101	70-130	
Tetrahydrofuran	10.0	9.95	100	70-130	
1,1,1-Trichloroethane	10.0	10.0	100	70-130	
Cyclohexane	10.0	9.16	92	70-130	
Carbon tetrachloride	10.0	10.0	100	70-130	
2,2,4-Trimethylpentane	10.0	9.67	97	70-130	
Benzene	10.0	9.38	94	70-130	
1,2-Dichloroethane	10.0	11.1	111	70-130	
n-Heptane	10.0	10.4	104	70-130	
Trichloroethene	10.0	10.5	105	70-130	
Methyl methacrylate	10.0	10.9	109	70-130	
1,2-Dichloropropane	10.0	10.6	106	70-130	
1,4-Dioxane	10.0	9.99	100	70-130	
Bromodichloromethane	10.0	10.8	108	70-130	
cis-1,3-Dichloropropene	10.0	10.6	106	70-130	
methyl isobutyl ketone	10.0	10.6	106	70-130	
Toluene	10.0	9.71	97	70-130	

Column to be used to flag recovery and RPD values

FORM III TO-15

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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Matrix: Air Level: Low Lab File ID: 8862_004.D

Lab ID: LCS 200-75651/4 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
trans-1,3-Dichloropropene	10.0	9.90	99	70-130	
1,1,2-Trichloroethane	10.0	10.3	103	70-130	
Tetrachloroethene	10.0	8.86	89	70-130	
Methyl Butyl Ketone (2-Hexanone)	10.0	10.3	103	70-130	
Dibromochloromethane	10.0	9.87	99	70-130	
1,2-Dibromoethane	10.0	9.93	99	70-130	
Chlorobenzene	10.0	9.22	92	70-130	
Ethylbenzene	10.0	9.91	99	70-130	
m,p-Xylene	20.0	18.6	93	70-130	
Xylene, o-	10.0	9.25	93	70-130	
Styrene	10.0	9.62	96	70-130	
Bromoform	10.0	9.35	94	70-130	
Cumene	10.0	9.60	96	70-130	
1,1,2,2-Tetrachloroethane	10.0	10.3	103	70-130	
n-Propylbenzene	10.0	10.1	101	70-130	
4-Ethyltoluene	10.0	9.82	98	70-130	
1,3,5-Trimethylbenzene	10.0	9.81	98	70-130	
2-Chlorotoluene	10.0	9.87	99	70-130	
tert-Butylbenzene	10.0	9.52	95	70-130	
1,2,4-Trimethylbenzene	10.0	9.89	99	70-130	
sec-Butylbenzene	10.0	9.82	98	70-130	
4-Isopropyltoluene	10.0	9.73	97	70-130	
1,3-Dichlorobenzene	10.0	9.04	90	70-130	
1,4-Dichlorobenzene	10.0	9.13	91	70-130	
Benzyl chloride	10.0	8.28	83	70-130	
n-Butylbenzene	10.0	10.5	105	70-130	
1,2-Dichlorobenzene	10.0	9.19	92	70-130	
1,2,4-Trichlorobenzene	10.0	9.08	91	70-130	
Hexachlorobutadiene	10.0	9.80	98	70-130	
Naphthalene	10.0	9.10	91	70-130	

Column to be used to flag recovery and RPD values

FORM III TO-15

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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Matrix: Air Level: Low Lab File ID: 8889_003.d

Lab ID: LCS 200-75709/3 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Dichlorodifluoromethane	10.0	10.9	109	70-130	
Freon 22	10.0	10.0	100	70-130	
1,2-Dichlorotetrafluoroethane	10.0	12.2	122	70-130	
Chloromethane	10.0	9.46	95	70-130	
n-Butane	10.0	9.21	92	70-130	
Vinyl chloride	10.0	9.64	96	70-130	
1,3-Butadiene	10.0	8.97	90	70-130	
Bromomethane	10.0	10.1	101	70-130	
Chloroethane	10.0	10.1	101	70-130	
Bromoethene(Vinyl Bromide)	10.0	10.7	107	70-130	
Trichlorofluoromethane	10.0	10.4	104	70-130	
Freon TF	10.0	10.9	109	70-130	
1,1-Dichloroethene	10.0	10.7	107	70-130	
Acetone	10.0	9.51	95	70-130	
Isopropyl alcohol	10.0	8.49	85	70-130	
Carbon disulfide	10.0	11.5	115	70-130	
3-Chloropropene	10.0	8.17	82	70-130	
Methylene Chloride	10.0	9.52	95	70-130	
tert-Butyl alcohol	10.0	10.0	100	70-130	
Methyl tert-butyl ether	10.0	10.1	101	70-130	
trans-1,2-Dichloroethene	10.0	10.6	106	70-130	
n-Hexane	10.0	9.59	96	70-130	
1,1-Dichloroethane	10.0	10.2	102	70-130	
Methyl Ethyl Ketone	10.0	9.67	97	70-130	
cis-1,2-Dichloroethene	10.0	10.6	106	70-130	
Chloroform	10.0	10.6	106	70-130	
Tetrahydrofuran	10.0	9.81	98	70-130	
1,1,1-Trichloroethane	10.0	10.9	109	70-130	
Cyclohexane	10.0	10.7	107	70-130	
Carbon tetrachloride	10.0	11.1	111	70-130	
2,2,4-Trimethylpentane	10.0	9.90	99	70-130	
Benzene	10.0	10.7	107	70-130	
1,2-Dichloroethane	10.0	10.1	101	70-130	
n-Heptane	10.0	8.69	87	70-130	
Trichloroethene	10.0	10.8	108	70-130	
Methyl methacrylate	10.0	10.6	106	70-130	
1,2-Dichloropropane	10.0	10.1	101	70-130	
1,4-Dioxane	10.0	10.2	102	70-130	
Bromodichloromethane	10.0	11.0	110	70-130	
cis-1,3-Dichloropropene	10.0	10.8	108	70-130	
methyl isobutyl ketone	10.0	9.70	97	70-130	
Toluene	10.0	10.1	101	70-130	

Column to be used to flag recovery and RPD values

FORM III TO-15

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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Matrix: Air Level: Low Lab File ID: 8889_003.d

Lab ID: LCS 200-75709/3 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
trans-1,3-Dichloropropene	10.0	10.9	109	70-130	
1,1,2-Trichloroethane	10.0	10.8	108	70-130	
Tetrachloroethene	10.0	10.8	108	70-130	
Methyl Butyl Ketone (2-Hexanone)	10.0	9.50	95	70-130	
Dibromochloromethane	10.0	11.2	112	70-130	
1,2-Dibromoethane	10.0	11.3	113	70-130	
Chlorobenzene	10.0	10.9	109	70-130	
Ethylbenzene	10.0	11.0	110	70-130	
m,p-Xylene	20.0	22.5	113	70-130	
Xylene, o-	10.0	10.8	108	70-130	
Styrene	10.0	11.5	115	70-130	
Bromoform	10.0	12.1	121	70-130	
Cumene	10.0	11.2	112	70-130	
1,1,2,2-Tetrachloroethane	10.0	11.4	114	70-130	
n-Propylbenzene	10.0	11.5	115	70-130	
4-Ethyltoluene	10.0	11.8	118	70-130	
1,3,5-Trimethylbenzene	10.0	11.3	113	70-130	
2-Chlorotoluene	10.0	11.1	111	70-130	
tert-Butylbenzene	10.0	11.3	113	70-130	
1,2,4-Trimethylbenzene	10.0	11.3	113	70-130	
sec-Butylbenzene	10.0	11.5	115	70-130	
4-Isopropyltoluene	10.0	11.7	117	70-130	
1,3-Dichlorobenzene	10.0	11.8	118	70-130	
1,4-Dichlorobenzene	10.0	11.8	118	70-130	
Benzyl chloride	10.0	10.2	102	70-130	
n-Butylbenzene	10.0	11.9	119	70-130	
1,2-Dichlorobenzene	10.0	11.6	116	70-130	
1,2,4-Trichlorobenzene	10.0	10.4	104	70-130	
Hexachlorobutadiene	10.0	10.5	105	70-130	
Naphthalene	10.0	8.97	90	70-130	

Column to be used to flag recovery and RPD values

FORM III TO-15

FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Lab File ID: 8660_004.D Lab Sample ID: MB 200-75167/4

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

Instrument ID: CHG.i Date Analyzed: 07/22/2014 12:28

GC Column: RTX-624 ID: 0.32(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 200-75167/3	8660_003.D	07/22/2014 11:37
785IA13	280-58004-4	8660_024.D	07/23/2014 05:31
786IA12	280-58004-5	8660_027.D	07/23/2014 08:38

FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Lab File ID: 8677_004.D Lab Sample ID: MB 200-75211/4

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

Instrument ID: CHC.i Date Analyzed: 07/23/2014 11:15

GC Column: RTX-624 ID: 0.32(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 200-75211/3	8677_003.D	07/23/2014 10:22
785786OA09	280-58004-6	8677_024.D	07/24/2014 03:20

FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Lab File ID: 8834_005.D Lab Sample ID: MB 200-75599/5

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

Instrument ID: CHC.i Date Analyzed: 08/04/2014 12:18

GC Column: RTX-624 ID: 0.32(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 200-75599/4	8834_004.D	08/04/2014 11:25
786VMP0302LA	280-58004-2	8834_026.D	08/05/2014 07:07

FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Lab File ID: 8862_005.D Lab Sample ID: MB 200-75651/5

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

Instrument ID: CHC.i Date Analyzed: 08/05/2014 12:56

GC Column: RTX-624 ID: 0.32(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 200-75651/4	8862_004.D	08/05/2014 12:03
785VMP0202MC	280-58004-10	8862_009.D	08/05/2014 16:39

FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Lab File ID: 8889_004.d Lab Sample ID: MB 200-75709/4

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

Instrument ID: CHW.i Date Analyzed: 08/06/2014 14:05

GC Column: RTX-624 ID: 0.32(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 200-75709/3	8889_003.d	08/06/2014 13:16
786VMP0102LA	280-58004-3	8889_006.d	08/06/2014 16:10
785VMP0202MA	280-58004-7	8889_007.d	08/06/2014 16:59
785VMP0401LA	280-58004-9	8889_009.d	08/06/2014 18:36
786VMP0202LA	280-58004-1	8889_010.d	08/06/2014 19:24
785VMP0501JA	280-58004-8	8889_026.d	08/07/2014 08:39

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Lab File ID: 8605_001.D BFB Injection Date: 07/17/2014

Instrument ID: CHC.i BFB Injection Time: 11:15

Analysis Batch No.: 75021

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	20.1	
75	30.0 - 66.0% of mass 95	51.5	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	6.7	
173	Less than 2.0% of mass 174	0.4	(0.5)1
174	50.0 - 120.0% of mass 95	75.7	
175	4.0 - 9.0 % of mass 174	5.4	(7.1)1
176	93.0 - 101.0% of mass 174	73.0	(96.4)1
177	5.0 - 9.0% of mass 176	4.9	(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
	IC 200-75021/3	8605_003.D	07/17/2014	12:55
	IC 200-75021/4	8605_004.D	07/17/2014	13:48
	IC 200-75021/6	8605_006.D	07/17/2014	15:35
	ICIS 200-75021/7	8605_007.D	07/17/2014	16:28
	IC 200-75021/8	8605_008.D	07/17/2014	17:21
	IC 200-75021/9	8605_009.D	07/17/2014	18:14
	IC 200-75021/10	8605_010.D	07/17/2014	19:07
	IC 200-75021/18	8605_018.D	07/18/2014	09:36
	ICV 200-75021/19	8605_019.D	07/18/2014	10:29

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Lab File ID: 8677_001.D BFB Injection Date: 07/23/2014

Instrument ID: CHC.i BFB Injection Time: 08:42

Analysis Batch No.: 75211

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	20.7	
75	30.0 - 66.0% of mass 95	53.4	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	6.8	
173	Less than 2.0% of mass 174	0.4	(0.5)1
174	50.0 - 120.0% of mass 95	76.9	
175	4.0 - 9.0 % of mass 174	5.6	(7.3)1
176	93.0 - 101.0% of mass 174	73.9	(96.1)1
177	5.0 - 9.0% of mass 176	5.1	(6.8)2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 200-75211/2	8677_002.D	07/23/2014	09:29
	LCS 200-75211/3	8677_003.D	07/23/2014	10:22
	MB 200-75211/4	8677_004.D	07/23/2014	11:15
785786OA09	280-58004-6	8677_024.D	07/24/2014	03:20

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Lab File ID: 8834_001.D BFB Injection Date: 08/04/2014

Instrument ID: CHC.i BFB Injection Time: 08:48

Analysis Batch No.: 75599

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	19.4	
75	30.0 - 66.0% of mass 95	51.3	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	6.6	
173	Less than 2.0% of mass 174	0.4	(0.5)1
174	50.0 - 120.0% of mass 95	83.5	
175	4.0 - 9.0 % of mass 174	6.2	(7.4)1
176	93.0 - 101.0% of mass 174	80.2	(96.0)1
177	5.0 - 9.0% of mass 176	5.5	(6.8)2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 200-75599/3	8834_003.D	08/04/2014	10:32
	LCS 200-75599/4	8834_004.D	08/04/2014	11:25
	MB 200-75599/5	8834_005.D	08/04/2014	12:18
786VMP0302LA	280-58004-2	8834_026.D	08/05/2014	07:07

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Lab File ID: 8862_001.D BFB Injection Date: 08/05/2014

Instrument ID: CHC.i BFB Injection Time: 10:17

Analysis Batch No.: 75651

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	21.4	
75	30.0 - 66.0% of mass 95	54.7	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	7.1	
173	Less than 2.0% of mass 174	0.4	(0.5)1
174	50.0 - 120.0% of mass 95	77.8	
175	4.0 - 9.0 % of mass 174	5.6	(7.2)1
176	93.0 - 101.0% of mass 174	75.6	(97.2)1
177	5.0 - 9.0% of mass 176	5.4	(7.1)2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 200-75651/2	8862_002.D	08/05/2014	11:05
	LCS 200-75651/4	8862_004.D	08/05/2014	12:03
	MB 200-75651/5	8862_005.D	08/05/2014	12:56
785VMP0202MC	280-58004-10	8862_009.D	08/05/2014	16:39

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Lab File ID: 8394_001.D BFB Injection Date: 07/02/2014

Instrument ID: CHG.i BFB Injection Time: 15:15

Analysis Batch No.: 74492

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	11.2	
75	30.0 - 66.0% of mass 95	38.9	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	6.9	
173	Less than 2.0% of mass 174	0.5	(0.4)1
174	50.0 - 120.0% of mass 95	113.8	
175	4.0 - 9.0 % of mass 174	8.0	(7.0)1
176	93.0 - 101.0% of mass 174	112.4	(98.8)1
177	5.0 - 9.0% of mass 176	7.5	(6.7)2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 200-74492/3	8394_003.D	07/02/2014	16:53
	IC 200-74492/4	8394_004.D	07/02/2014	17:44
	IC 200-74492/5	8394_005.D	07/02/2014	18:35
	IC 200-74492/6	8394_006.D	07/02/2014	19:26
	ICIS 200-74492/7	8394_007.D	07/02/2014	20:17
	IC 200-74492/8	8394_008.D	07/02/2014	21:08
	IC 200-74492/9	8394_009.D	07/02/2014	21:59
	IC 200-74492/10	8394_010.D	07/02/2014	22:50
	ICV 200-74492/13	8394_013.D	07/03/2014	01:24

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Lab File ID: 8660_001.D BFB Injection Date: 07/22/2014

Instrument ID: CHG.i BFB Injection Time: 09:59

Analysis Batch No.: 75167

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	12.1	
75	30.0 - 66.0% of mass 95	39.8	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	6.8	
173	Less than 2.0% of mass 174	0.4	(0.4)1
174	50.0 - 120.0% of mass 95	100.0	
175	4.0 - 9.0 % of mass 174	6.9	(6.9)1
176	93.0 - 101.0% of mass 174	99.8	(99.8)1
177	5.0 - 9.0% of mass 176	6.6	(6.6)2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 200-75167/2	8660_002.D	07/22/2014	10:46
	LCS 200-75167/3	8660_003.D	07/22/2014	11:37
	MB 200-75167/4	8660_004.D	07/22/2014	12:28
785IA13	280-58004-4	8660_024.D	07/23/2014	05:31
786IA12	280-58004-5	8660_027.D	07/23/2014	08:38

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Lab File ID: 8058_001.d BFB Injection Date: 06/14/2014

Instrument ID: CHW.i BFB Injection Time: 06:27

Analysis Batch No.: 73568

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	13.5	
75	30.0 - 66.0% of mass 95	42.4	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	6.9	
173	Less than 2.0% of mass 174	0.5	(0.4)1
174	50.0 - 120.0% of mass 95	107.0	
175	4.0 - 9.0 % of mass 174	7.6	(7.1)1
176	93.0 - 101.0% of mass 174	105.6	(98.7)1
177	5.0 - 9.0% of mass 176	7.0	(6.6)2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 200-73568/5	8058_005.d	06/14/2014	09:46
	IC 200-73568/6	8058_006.d	06/14/2014	10:36
	ICIS 200-73568/7	8058_007.d	06/14/2014	11:26
	IC 200-73568/8	8058_008.d	06/14/2014	12:16
	IC 200-73568/9	8058_009.d	06/14/2014	13:06
	IC 200-73568/10	8058_010.d	06/14/2014	13:56
	IC 200-73568/16	8058_016.d	06/14/2014	23:41
	IC 200-73568/17	8058_017.d	06/15/2014	00:33
	ICV 200-73568/19	8058_019.d	06/15/2014	02:11

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Lab File ID: 8889_001.d BFB Injection Date: 08/06/2014

Instrument ID: CHW.i BFB Injection Time: 11:25

Analysis Batch No.: 75709

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	13.2	
75	30.0 - 66.0% of mass 95	42.0	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	6.9	
173	Less than 2.0% of mass 174	0.6	(0.5)1
174	50.0 - 120.0% of mass 95	110.5	
175	4.0 - 9.0 % of mass 174	7.8	(7.1)1
176	93.0 - 101.0% of mass 174	108.0	(97.7)1
177	5.0 - 9.0% of mass 176	7.0	(6.5)2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 200-75709/2	8889_002.d	08/06/2014	12:25
	LCS 200-75709/3	8889_003.d	08/06/2014	13:16
	MB 200-75709/4	8889_004.d	08/06/2014	14:05
786VMP0102LA	280-58004-3	8889_006.d	08/06/2014	16:10
785VMP0202MA	280-58004-7	8889_007.d	08/06/2014	16:59
785VMP0401LA	280-58004-9	8889_009.d	08/06/2014	18:36
786VMP0202LA	280-58004-1	8889_010.d	08/06/2014	19:24
785VMP0501JA	280-58004-8	8889_026.d	08/07/2014	08:39

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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Sample No.: ICIS 200-75021/7 Date Analyzed: 07/17/2014 16:28

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

Lab File ID (Standard): 8605_007.D Heated Purge: (Y/N) N

Calibration ID: 27544

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		98016	10.55	618468	12.57	616343	18.63
UPPER LIMIT		137222	10.88	865855	12.90	862880	18.96
LOWER LIMIT		58810	10.22	371081	12.24	369806	18.30
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 200-75021/19		109165	10.55	676541	12.57	683893	18.63

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

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO-15

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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Sample No.: CCVIS 200-75211/2 Date Analyzed: 07/23/2014 09:29

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

Lab File ID (Standard): 8677_002.D Heated Purge: (Y/N) N

Calibration ID: 27544

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		108342	10.55	681851	12.57	683845	18.62
UPPER LIMIT		151679	10.88	954591	12.90	957383	18.95
LOWER LIMIT		65005	10.22	409111	12.24	410307	18.29
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 200-75211/3		114234	10.55	707502	12.57	730439	18.63
MB 200-75211/4		117946	10.55	723978	12.56	708230	18.62
280-58004-6	785786OA09	124856	10.55	666925	12.56	671537	18.62

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

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO-15

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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Sample No.: CCVIS 200-75599/3 Date Analyzed: 08/04/2014 10:32

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

Lab File ID (Standard): 8834_003.D Heated Purge: (Y/N) N

Calibration ID: 27544

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		103448	10.55	608433	12.56	640928	18.62
UPPER LIMIT		144827	10.88	851806	12.89	897299	18.95
LOWER LIMIT		62069	10.22	365060	12.23	384557	18.29
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 200-75599/4		100802	10.55	604562	12.56	626716	18.62
MB 200-75599/5		99057	10.55	615108	12.56	613739	18.62
280-58004-2	786VMP0302LA	75486	10.55	425157	12.56	436987	18.62

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

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO-15

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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Sample No.: CCVIS 200-75651/2 Date Analyzed: 08/05/2014 11:05

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

Lab File ID (Standard): 8862_002.D Heated Purge: (Y/N) N

Calibration ID: 27544

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		97366	10.55	611371	12.56	666058	18.62
UPPER LIMIT		136312	10.88	855919	12.89	932481	18.95
LOWER LIMIT		58420	10.22	366823	12.23	399635	18.29
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 200-75651/4		98496	10.55	612150	12.56	626513	18.62
MB 200-75651/5		101817	10.55	635096	12.56	631452	18.62
280-58004-10	785VMP0202MC	83751	10.55	536901	12.56	496380	18.62

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

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO-15

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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Sample No.: ICIS 200-74492/7 Date Analyzed: 07/02/2014 20:17

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

Lab File ID (Standard): 8394_007.D Heated Purge: (Y/N) N

Calibration ID: 27459

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		736541	10.43	4220208	12.44	4976595	18.61
UPPER LIMIT		1031157	10.76	5908291	12.77	6967233	18.94
LOWER LIMIT		441925	10.10	2532125	12.11	2985957	18.28
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 200-74492/13		781655	10.44	4558559	12.44	5388793	18.62

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

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO-15

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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Sample No.: CCVIS 200-75167/2 Date Analyzed: 07/22/2014 10:46

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

Lab File ID (Standard): 8660_002.D Heated Purge: (Y/N) N

Calibration ID: 27459

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		690754	10.41	3936913	12.42	4813134	18.59
UPPER LIMIT		967056	10.74	5511678	12.75	6738388	18.92
LOWER LIMIT		414452	10.08	2362148	12.09	2887880	18.26
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 200-75167/3		649718	10.41	3682177	12.42	4353538	18.59
MB 200-75167/4		687568	10.40	3922698	12.41	4865277	18.59
280-58004-4	785IA13	631128	10.41	3309753	12.42	3067708	18.59
280-58004-5	786IA12	670347	10.41	3722482	12.41	4009863	18.59

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

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO-15

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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Sample No.: ICIS 200-73568/7 Date Analyzed: 06/14/2014 11:26

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

Lab File ID (Standard): 8058_007.d Heated Purge: (Y/N) N

Calibration ID: 27113

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		621706	12.86	3022390	14.74	2781609	20.43
UPPER LIMIT		870388	13.19	4231346	15.07	3894253	20.76
LOWER LIMIT		373024	12.53	1813434	14.41	1668965	20.10
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 200-73568/19		662374	12.86	3213738	14.74	2947455	20.43

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

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO-15

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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Sample No.: CCVIS 200-75709/2 Date Analyzed: 08/06/2014 12:25

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

Lab File ID (Standard): 8889_002.d Heated Purge: (Y/N) N

Calibration ID: 27113

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		377553	12.84	1799333	14.73	1711935	20.43
UPPER LIMIT		528574	13.17	2519066	15.06	2396709	20.76
LOWER LIMIT		226532	12.51	1079600	14.40	1027161	20.10
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 200-75709/3		421705	12.85	2009169	14.73	1870641	20.42
MB 200-75709/4		445095	12.84	2182689	14.72	1937084	20.43
280-58004-3	786VMP0102LA	410447	12.85	1987245	14.73	1862489	20.43
280-58004-7	785VMP0202MA	259491	12.84	1177026	14.73	1213222	20.43
280-58004-9	785VMP0401LA	418826	12.84	1982813	14.73	1767536	20.42
280-58004-1	786VMP0202LA	377521	12.85	1818712	14.73	1625800	20.43
280-58004-8	785VMP0501JA	472237	12.85	2210722	14.72	1969642	20.43

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

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO-15

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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Client Sample ID: 786VMP0202LA Lab Sample ID: 280-58004-1

Matrix: Air Lab File ID: 8889_010.d

Analysis Method: TO-15 Date Collected: 07/18/2014 14:40

Sample wt/vol: 50(mL) Date Analyzed: 08/06/2014 19:24

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.: 75709 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	0.60	J D	2.0	0.12
75-45-6	Freon 22	86.47	0.29	J D	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	2.0	U	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	0.33	J D	0.80	0.12
76-13-1	Freon TF	187.38	0.30	J D	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	10	U	20	5.0
67-63-0	Isopropyl alcohol	60.10	2.0	U	20	0.86
75-15-0	Carbon disulfide	76.14	0.34	J D	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	2.0	U	20	1.3
1634-04-4	Methyl tert-butyl ether	88.15	0.32	U	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	0.32	U	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	2.0	U	2.0	0.97
156-59-2	cis-1,2-Dichloroethene	96.94	0.23	J D M	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	33	D	0.80	0.10
109-99-9	Tetrahydrofuran	72.11	0.43	J D	20	0.18
71-55-6	1,1,1-Trichloroethane	133.41	2.6	D	0.80	0.084
110-82-7	Cyclohexane	84.16	0.32	U	0.80	0.10
56-23-5	Carbon tetrachloride	153.81	0.32	U	0.80	0.084
540-84-1	2,2,4-Trimethylpentane	114.23	0.32	U	0.80	0.11
71-43-2	Benzene	78.11	0.15	J D	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.: 280-58004-1

SDG No.:

Client Sample ID: 786VMP0202LA | Lab Sample ID: 280-58004-1

Matrix: Air | Lab File ID: 8889_010.d

Analysis Method: TO-15 | Date Collected: 07/18/2014 14:40

Sample wt/vol: 50(mL) | Date Analyzed: 08/06/2014 19:24

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.: 75709 | 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	76	D	0.80	0.096
80-62-6	Methyl methacrylate	100.12	0.32	U	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	0.31	J D	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	0.32	U	2.0	0.11
108-88-3	Toluene	92.14	0.16	J D	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	0.24	J D	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	0.12	U	0.80	0.052
179601-23-1	m,p-Xylene	106.17	0.32	U	2.0	0.092
95-47-6	Xylene, o-	106.17	0.12	U	0.80	0.064
1330-20-7	Xylene (total)	106.17	0.32	U	0.80	0.14
100-42-5	Styrene	104.15	0.12	U	0.80	0.072
75-25-2	Bromoform	252.75	0.12	U	0.80	0.040
98-82-8	Cumene	120.19	0.12	U	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	0.12	U	0.80	0.072
108-67-8	1,3,5-Trimethylbenzene	120.20	0.12	U	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	0.12	U	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	0.12	U	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.: 280-58004-1

SDG No.:

Client Sample ID: 786VMP0202LA Lab Sample ID: 280-58004-1

Matrix: Air Lab File ID: 8889_010.d

Analysis Method: TO-15 Date Collected: 07/18/2014 14:40

Sample wt/vol: 50(mL) Date Analyzed: 08/06/2014 19:24

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.: 75709 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	0.32	U	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.: 280-58004-1

SDG No.:

Client Sample ID: 786VMP0202LA Lab Sample ID: 280-58004-1

Matrix: Air Lab File ID: 8889_010.d

Analysis Method: TO-15 Date Collected: 07/18/2014 14:40

Sample wt/vol: 50(mL) Date Analyzed: 08/06/2014 19:24

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.: 75709 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	3.0	J D	9.9	0.59
75-45-6	Freon 22	86.47	1.0	J D	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	4.8	U	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	1.9	J D	4.5	0.67
76-13-1	Freon TF	187.38	2.3	J D	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	24	U	48	12
67-63-0	Isopropyl alcohol	60.10	4.9	U	49	2.1
75-15-0	Carbon disulfide	76.14	1.1	J D	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	6.1	U	61	4.0
1634-04-4	Methyl tert-butyl ether	88.15	1.2	U	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	1.1	U	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	5.9	U	5.9	2.9
156-59-2	cis-1,2-Dichloroethene	96.94	0.90	J D M	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	160	D	3.9	0.49
109-99-9	Tetrahydrofuran	72.11	1.3	J D	59	0.54
71-55-6	1,1,1-Trichloroethane	133.41	14	D	4.4	0.46
110-82-7	Cyclohexane	84.16	1.1	U	2.8	0.34
56-23-5	Carbon tetrachloride	153.81	2.0	U	5.0	0.53
540-84-1	2,2,4-Trimethylpentane	114.23	1.5	U	3.7	0.50
71-43-2	Benzene	78.11	0.49	J D	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.: 280-58004-1

SDG No.:

Client Sample ID: 786VMP0202LA Lab Sample ID: 280-58004-1

Matrix: Air Lab File ID: 8889_010.d

Analysis Method: TO-15 Date Collected: 07/18/2014 14:40

Sample wt/vol: 50(mL) Date Analyzed: 08/06/2014 19:24

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.: 75709 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	410	D	4.3	0.52
80-62-6	Methyl methacrylate	100.12	1.3	U	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	2.1	J D	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	1.3	U	8.2	0.44
108-88-3	Toluene	92.14	0.59	J D	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	1.6	J D	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	0.52	U	3.5	0.23
179601-23-1	m,p-Xylene	106.17	1.4	U	8.7	0.40
95-47-6	Xylene, o-	106.17	0.52	U	3.5	0.28
1330-20-7	Xylene (total)	106.17	1.4	U	3.5	0.59
100-42-5	Styrene	104.15	0.51	U	3.4	0.31
75-25-2	Bromoform	252.75	1.2	U	8.3	0.41
98-82-8	Cumene	120.19	0.59	U	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	0.59	U	3.9	0.35
108-67-8	1,3,5-Trimethylbenzene	120.20	0.59	U	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	0.59	U	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	0.72	U	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.: 280-58004-1

SDG No.:

Client Sample ID: 786VMP0202LA Lab Sample ID: 280-58004-1

Matrix: Air Lab File ID: 8889_010.d

Analysis Method: TO-15 Date Collected: 07/18/2014 14:40

Sample wt/vol: 50(mL) Date Analyzed: 08/06/2014 19:24

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.: 75709 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	2.4	U	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\20140806-8889.b\8889_010.d
Lims ID: 280-58004-A-1 Lab Sample ID: 200-58004-1
Client ID: 786VMP0202LA
Sample Type: Client
Inject. Date: 06-Aug-2014 19:24:30 ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 200.000 mL Dil. Factor: 4.0000
Sample Info: 200-0008889-010
Misc. Info.: 280-58004-A-1
Operator ID: BPL Instrument ID: CHW.i

Method: \\BTV-LIMS1\ChromData\CHW.i\20140806-8889.b\TO15_LLNJ_TO3_W_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 07-Aug-2014 09:52:42 Calib Date: 15-Jun-2014 00:33:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20140613-8058.b\8058_017.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK003

First Level Reviewer: lyonsb Date: 07-Aug-2014 09:51:23

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	4.472	4.488	-0.016	99	16549	0.1499	
6 Chlorodifluoromethane	51	4.547	4.552	-0.005	95	3956	0.0717	
7 1,2-Dichloro-1,1,2,2-tetra	85		4.841				ND	
8 Chloromethane	50		5.034				ND	
9 Butane	43		5.296				ND	
10 Vinyl chloride	62		5.355				ND	
11 Butadiene	54		5.451				ND	
12 Bromomethane	94		6.318				ND	
14 Chloroethane	64		6.596				ND	
16 Vinyl bromide	106		7.077				ND	
17 Trichlorofluoromethane	101	7.185	7.190	-0.005	95	10137	0.0832	
23 1,1,2-Trichloro-1,2,2-trif	101	8.431	8.436	-0.005	93	7042	0.0754	
24 1,1-Dichloroethene	96		8.511				ND	
25 Acetone	43		8.741				ND	
26 Carbon disulfide	76	8.993	8.998	-0.005	97	9655	0.0846	
27 Isopropyl alcohol	45		9.025				ND	
29 3-Chloro-1-propene	41		9.399				ND	
31 Methylene Chloride	49		9.731				ND	
32 2-Methyl-2-propanol	59		9.897				ND	
33 Methyl tert-butyl ether	73		10.148				ND	
S 41 1,2-Dichloroethene, Total	61		10.200				0	
34 trans-1,2-Dichloroethene	61		10.223				ND	
36 Hexane	57		10.640				ND	
37 1,1-Dichloroethane	63		11.191				ND	
39 cis-1,2-Dichloroethene	96	12.368	12.363	0.005	82	2913	0.0566	M
40 2-Butanone (MEK)	72		12.373				ND	
44 Tetrahydrofuran	42	12.855	12.834	0.021	59	4164	0.1080	
* 43 Chlorobromomethane	128	12.845	12.844	0.001	74	377521	10.0	
45 Chloroform	83	12.952	12.957	-0.005	100	741008	8.24	
46 Cyclohexane	84		13.251				ND	
47 1,1,1-Trichloroethane	97	13.262	13.262	0.000	96	62333	0.6487	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
48 Carbon tetrachloride	117		13.518				ND	
51 Isooctane	57		13.909				ND	
50 Benzene	78	13.963	13.968	-0.005	94	5467	0.0383	
52 1,2-Dichloroethane	62		14.128				ND	
53 n-Heptane	43		14.257				ND	
* 54 1,4-Difluorobenzene	114	14.728	14.727	0.001	92	1818712	10.0	
56 Trichloroethene	95	15.193	15.193	0.000	92	1269917	19.0	
58 1,2-Dichloropropane	63		15.712				ND	
59 Methyl methacrylate	69		15.797				ND	
60 1,4-Dioxane	88		15.883				ND	
62 Dichlorobromomethane	83	16.204	16.204	0.000	96	7298	0.0767	
64 cis-1,3-Dichloropropene	75		17.065				ND	
65 4-Methyl-2-pentanone (MIBK	43		17.295				ND	
66 Toluene	92	17.633	17.638	-0.005	92	4508	0.0390	
70 trans-1,3-Dichloropropene	75		18.173				ND	
71 1,1,2-Trichloroethane	83		18.536				ND	
72 Tetrachloroethene	166	18.681	18.681	0.000	96	7041	0.0588	
73 2-Hexanone	43		18.922				ND	
74 Chlorodibromomethane	129		19.296				ND	
75 Ethylene Dibromide	107		19.580				ND	
S 82 Xylenes, Total	106				0		0.0298	
* 76 Chlorobenzene-d5	117	20.425	20.425	0.000	81	1625800	10.0	
77 Chlorobenzene	112		20.478				ND	
78 Ethylbenzene	91		20.591				ND	
80 m-Xylene & p-Xylene	106	20.800	20.810	-0.010	95	2229	0.0227	
83 o-Xylene	106	21.522	21.521	0.001	94	710	0.007081	
84 Styrene	104		21.564				ND	
85 Bromoform	173		21.944				ND	
86 Isopropylbenzene	105		22.089				ND	
$ 87 4-Bromofluorobenzene	95	22.426	22.426	0.000	97	985084	NC	
88 1,1,2,2-Tetrachloroethane	83		22.650				ND	
90 N-Propylbenzene	91		22.725				ND	
91 4-Ethyltoluene	105		22.891				ND	
92 2-Chlorotoluene	91		22.923				ND	
94 1,3,5-Trimethylbenzene	105		22.982				ND	
96 tert-Butylbenzene	119		23.458				ND	
97 1,2,4-Trimethylbenzene	105		23.549				ND	
98 sec-Butylbenzene	105		23.790				ND	
99 4-Isopropyltoluene	119		23.988				ND	
100 1,3-Dichlorobenzene	146		24.063				ND	
101 1,4-Dichlorobenzene	146		24.207				ND	
102 Benzyl chloride	91		24.416				ND	
103 n-Butylbenzene	91		24.624				ND	
105 1,2-Dichlorobenzene	146		24.812				ND	
107 1,2,4-Trichlorobenzene	180		27.690				ND	
108 Hexachlorobutadiene	225		27.893				ND	
109 Naphthalene	128		28.278				ND	

QC Flag Legend

Processing Flags
NC - Not Calibrated
ND - Not Detected or Marked ND

Review Flags
M - Manually Integrated

Reagents:

ATTO15WISs_00003 Amount Added: 20.00 Units: mL Run Reagent

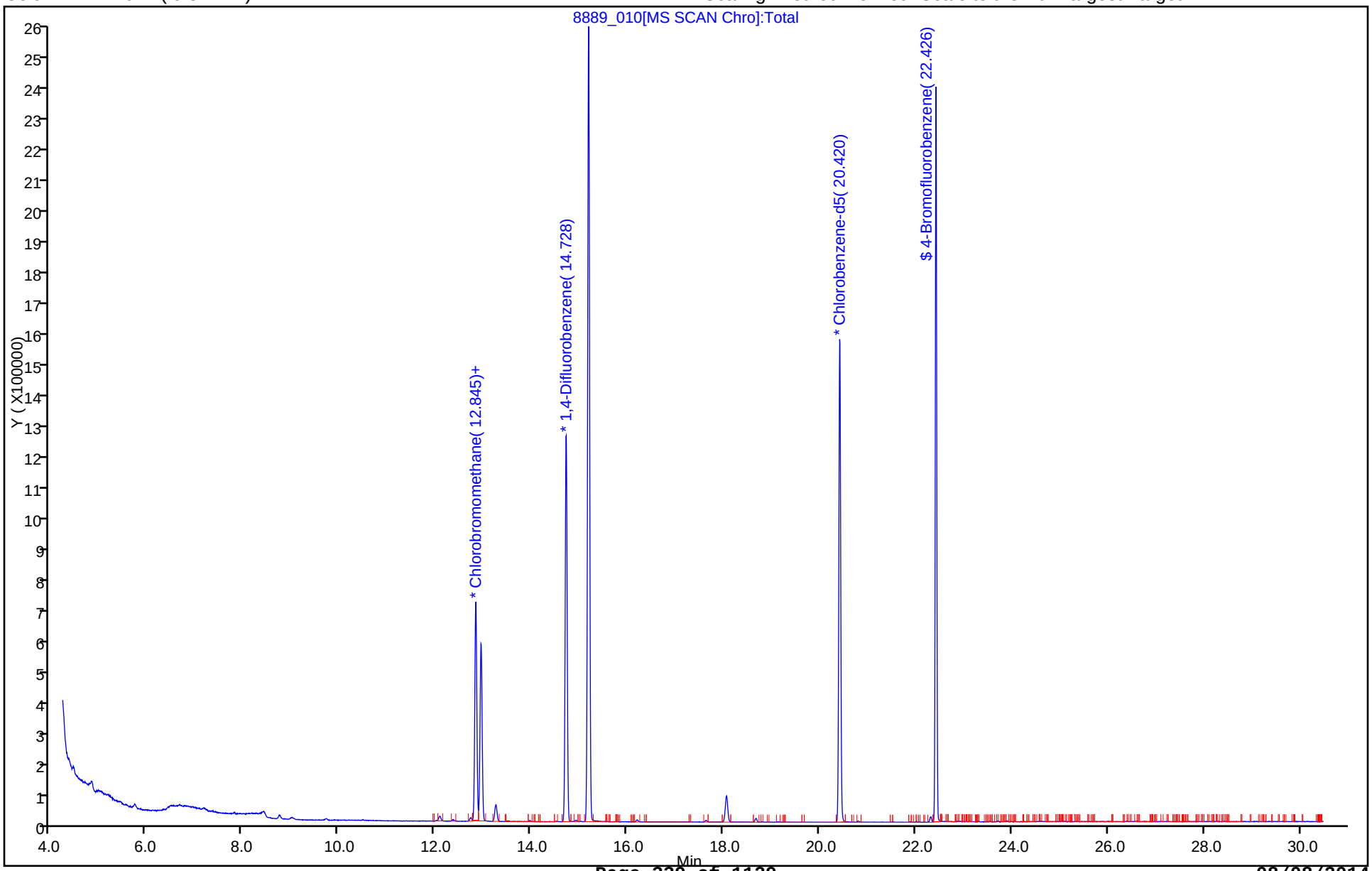
Report Date: 07-Aug-2014 09:52:45 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140806-8889.b\8889_010.d

Injection Date:	06-Aug-2014 19:24:30	Instrument ID:	CHW.i	Operator ID:	BPL
Lims ID:	280-58004-A-1	Lab Sample ID:	200-58004-1	Worklist Smp#:	10
Client ID:	786VMP0202LA				
Purge Vol:	200.000 mL	Dil. Factor:	4.0000	ALS Bottle#:	9
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



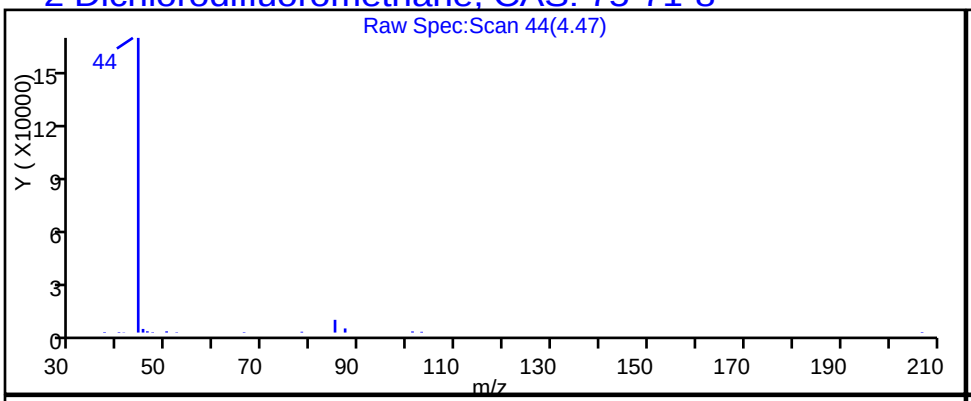
Report Date: 07-Aug-2014 09:52:45 Chrom Revision: 2.2 24-Jun-2014 07:21:42

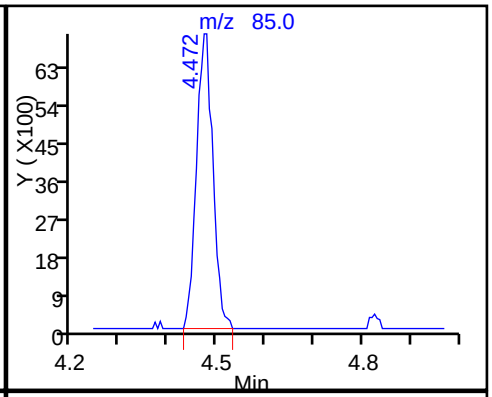
TestAmerica Burlington

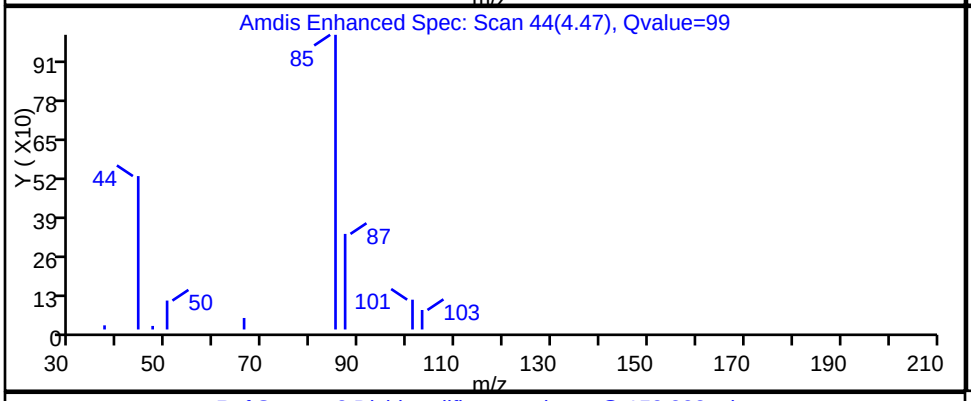
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140806-8889.b\8889_010.d

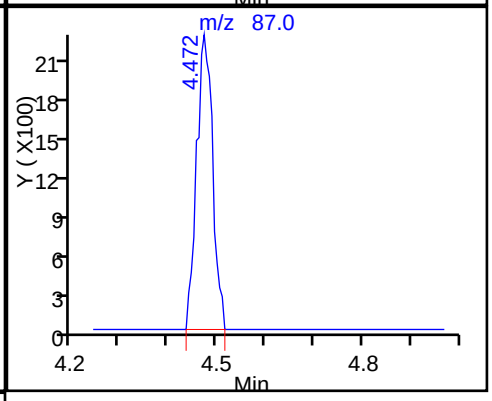
Injection Date:	06-Aug-2014 19:24:30	Instrument ID:	CHW.i		
Lims ID:	280-58004-A-1	Lab Sample ID:	200-58004-1		
Client ID:	786VMP0202LA				
Operator ID:	BPL	ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	4.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

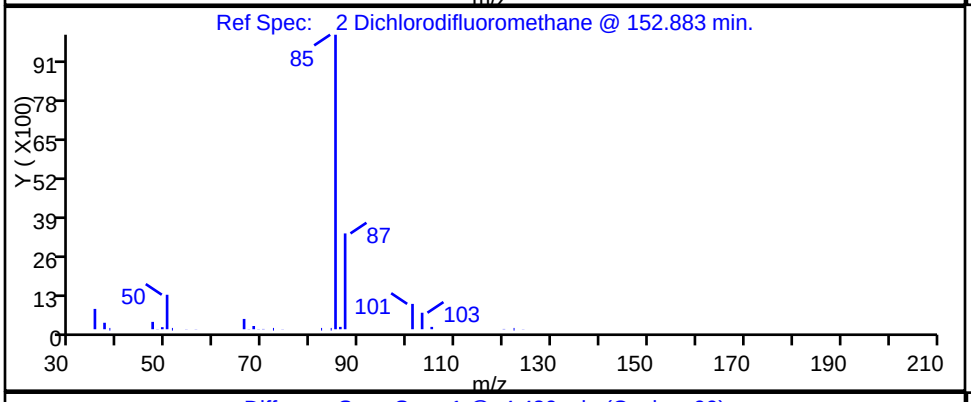
2 Dichlorodifluoromethane, CAS: 75-71-8

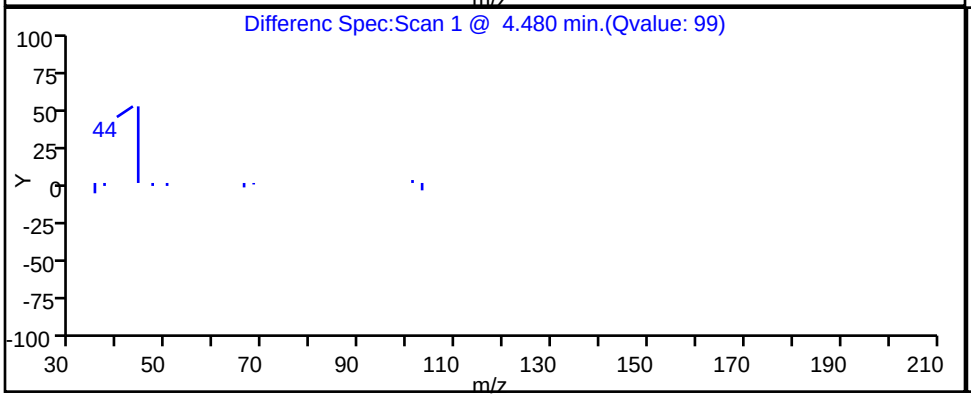


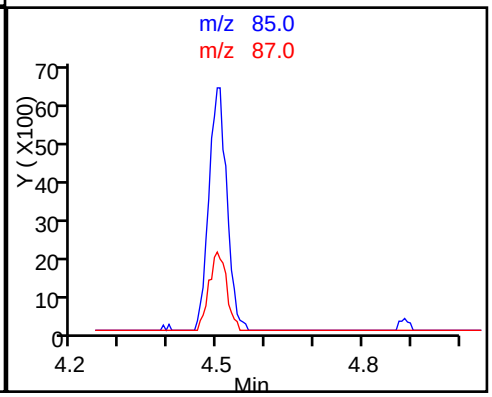












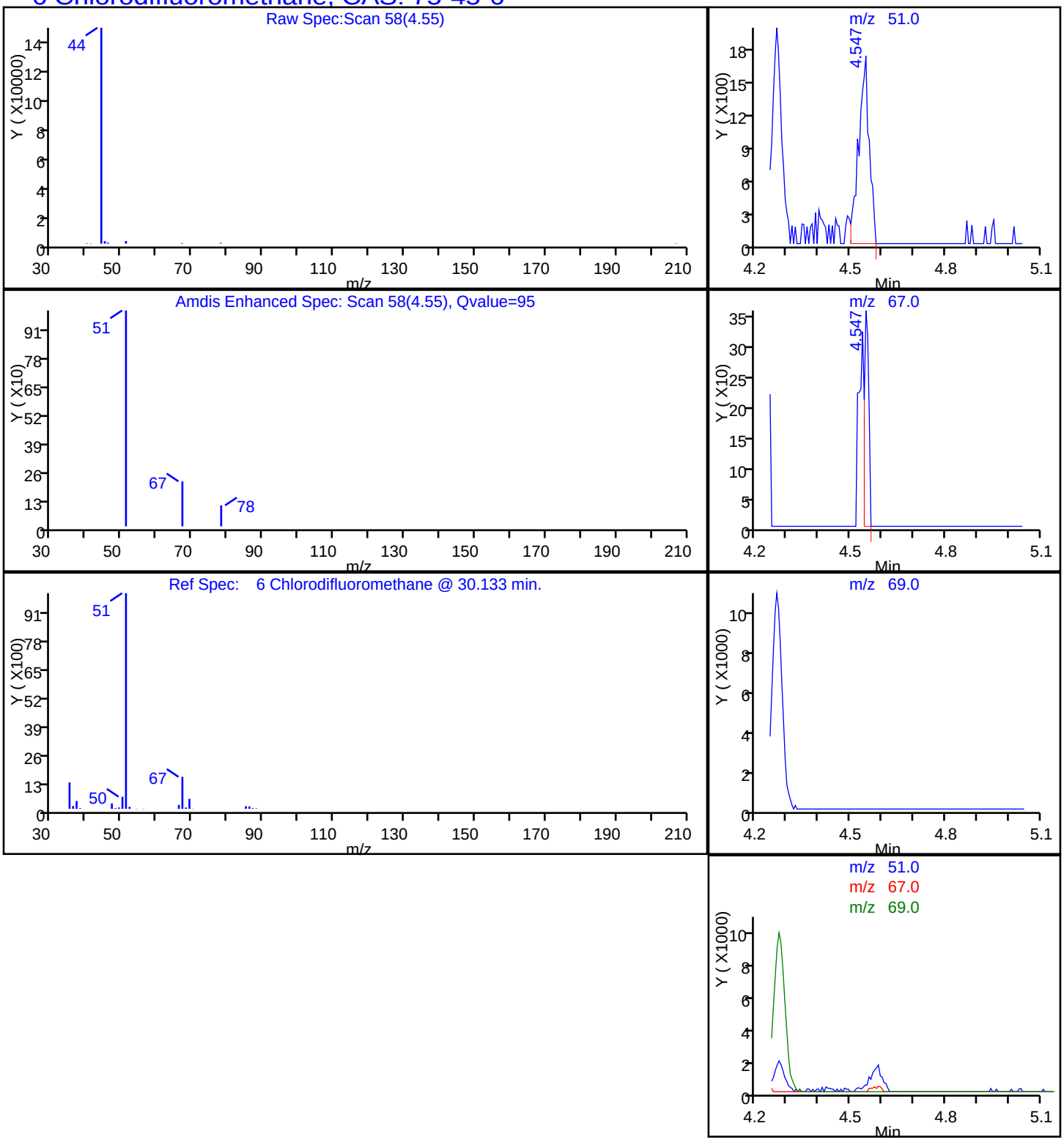
Report Date: 07-Aug-2014 09:52:45 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140806-8889.b\8889_010.d

Injection Date:	06-Aug-2014 19:24:30	Instrument ID:	CHW.i		
Lims ID:	280-58004-A-1	Lab Sample ID:	200-58004-1		
Client ID:	786VMP0202LA				
Operator ID:	BPL	ALS Bottle#:	9	Worklist Smp#:	10
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



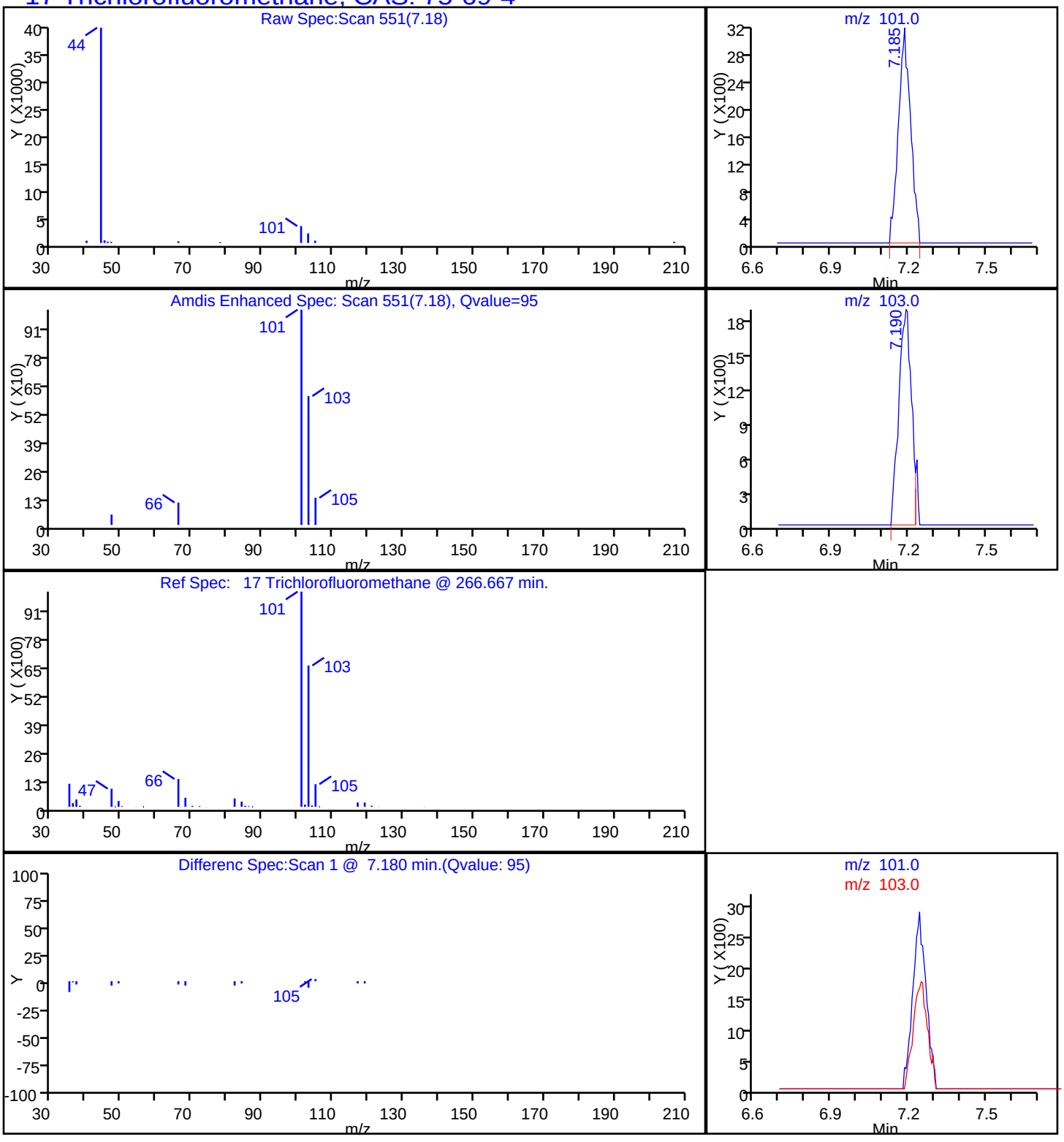
Report Date: 07-Aug-2014 09:52:45 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140806-8889.b\8889_010.d

Injection Date:	06-Aug-2014 19:24:30	Instrument ID:	CHW.i		
Lims ID:	280-58004-A-1	Lab Sample ID:	200-58004-1		
Client ID:	786VMP0202LA				
Operator ID:	BPL	ALS Bottle#:	9	Worklist Smp#:	10
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



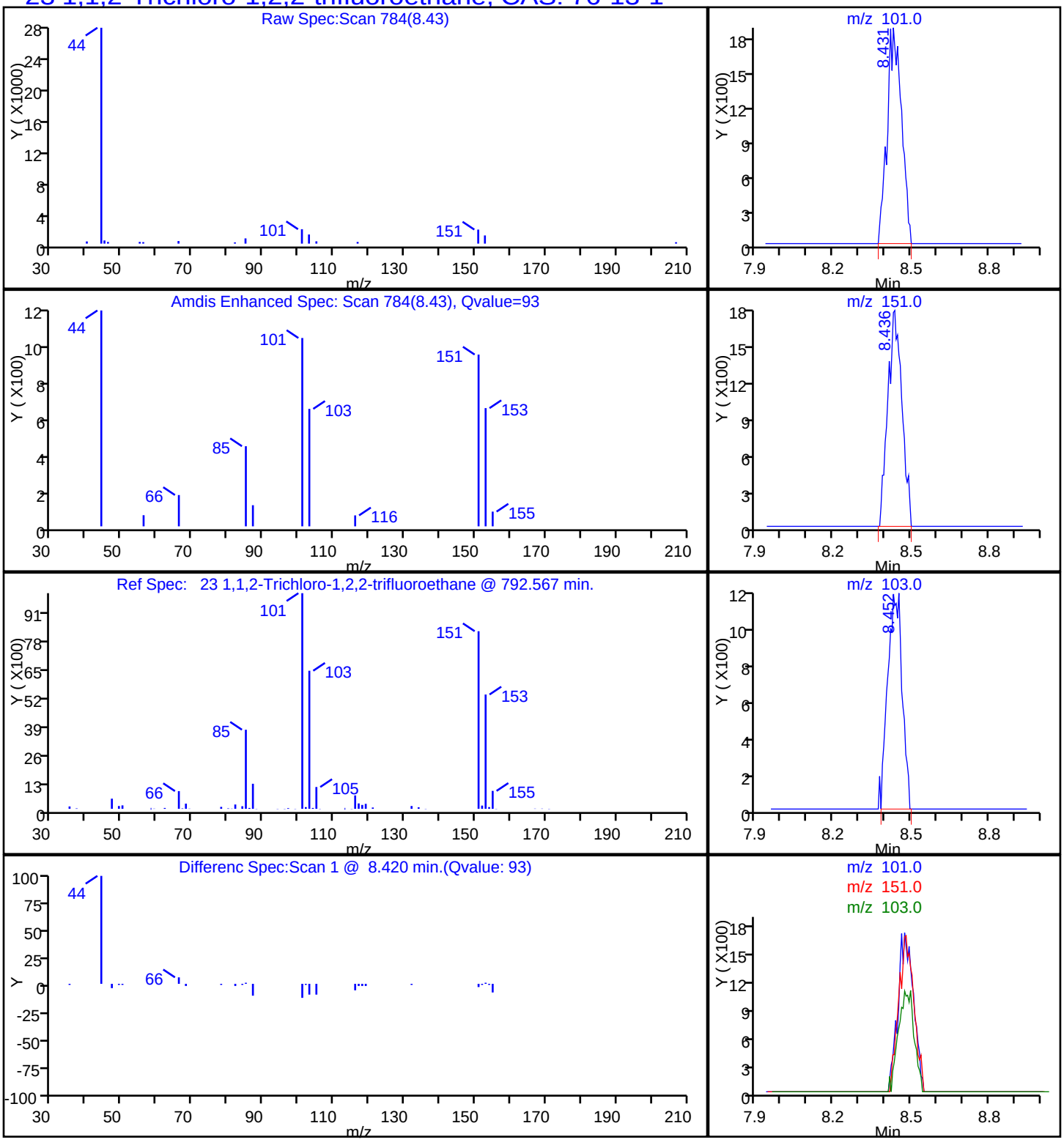
Report Date: 07-Aug-2014 09:52:45 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140806-8889.b\8889_010.d

Injection Date:	06-Aug-2014 19:24:30	Instrument ID:	CHW.i		
Lims ID:	280-58004-A-1	Lab Sample ID:	200-58004-1		
Client ID:	786VMP0202LA				
Operator ID:	BPL	ALS Bottle#:	9	Worklist Smp#:	10
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		

23 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

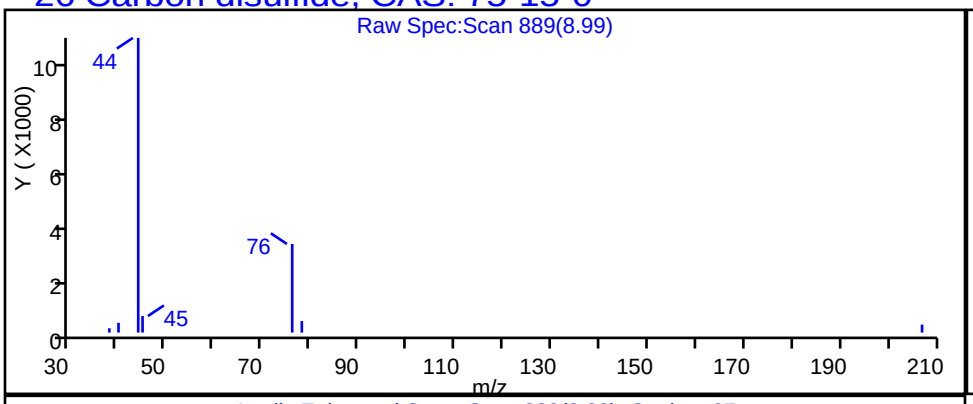


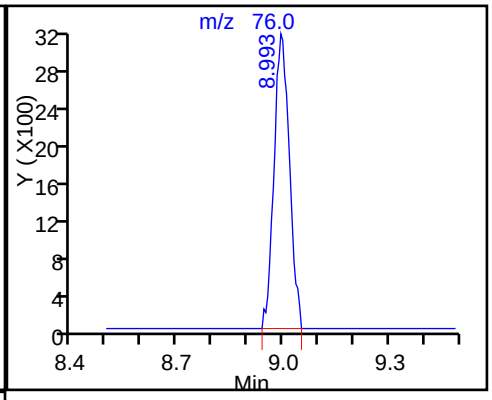
Report Date: 07-Aug-2014 09:52:45 Chrom Revision: 2.2 24-Jun-2014 07:21:42

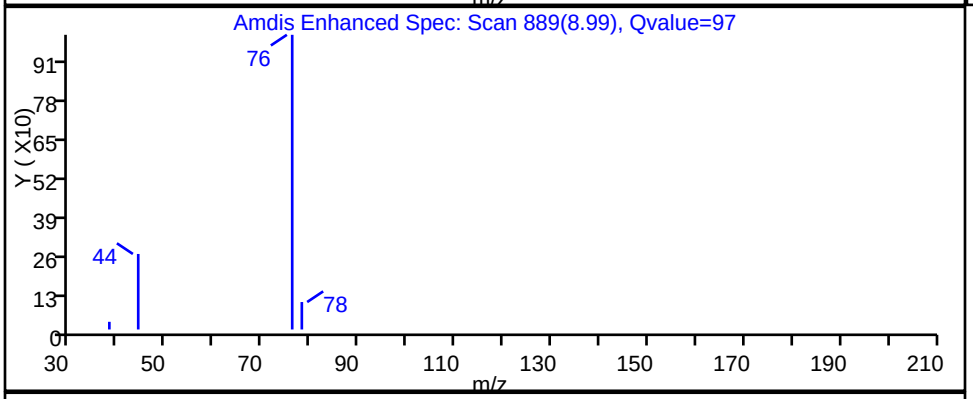
TestAmerica Burlington

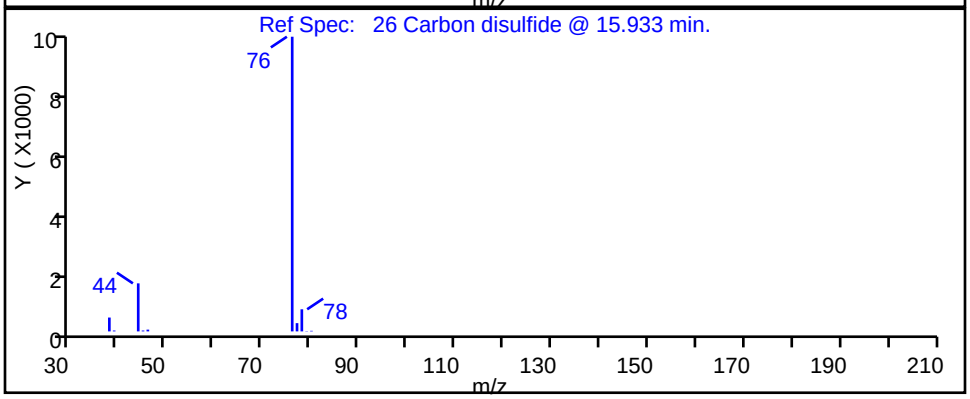
Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140806-8889.b\8889_010.d				
Injection Date:	06-Aug-2014 19:24:30	Instrument ID:	CHW.i		
Lims ID:	280-58004-A-1	Lab Sample ID:	200-58004-1		
Client ID:	786VMP0202LA				
Operator ID:	BPL	ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	4.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

26 Carbon disulfide, CAS: 75-15-0









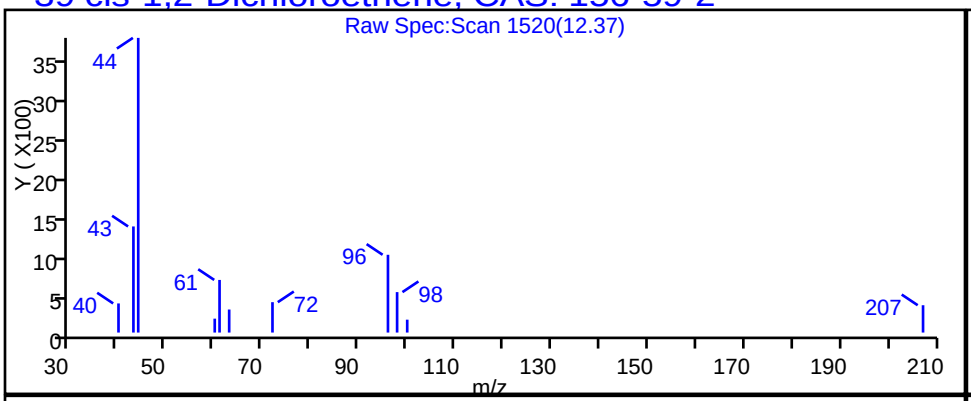
Report Date: 07-Aug-2014 09:52:45 Chrom Revision: 2.2 24-Jun-2014 07:21:42

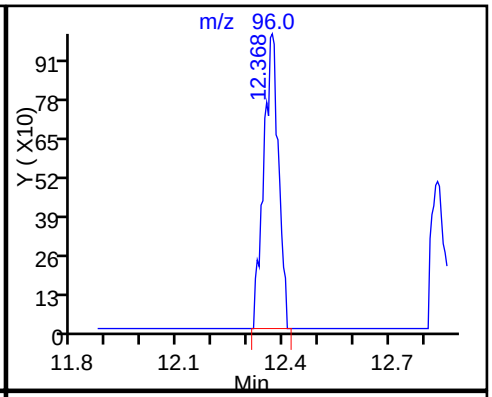
TestAmerica Burlington

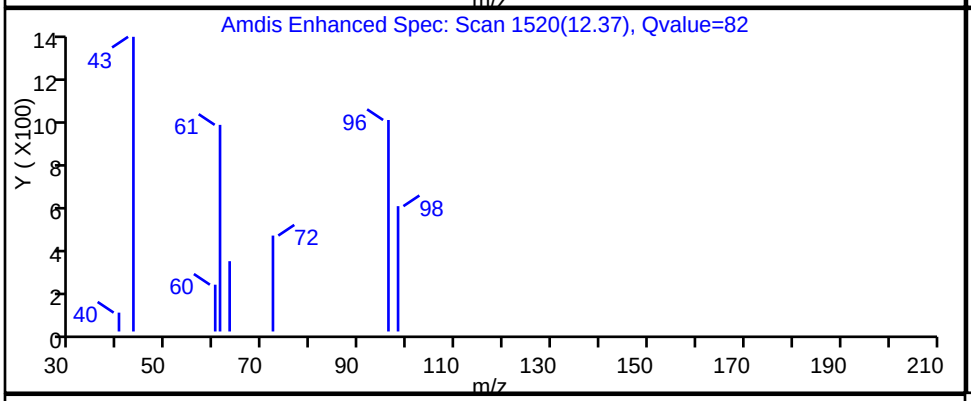
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140806-8889.b\8889_010.d

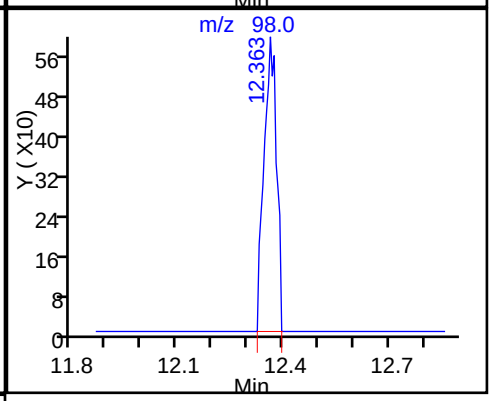
Injection Date:	06-Aug-2014 19:24:30	Instrument ID:	CHW.i		
Lims ID:	280-58004-A-1	Lab Sample ID:	200-58004-1		
Client ID:	786VMP0202LA				
Operator ID:	BPL	ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	4.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

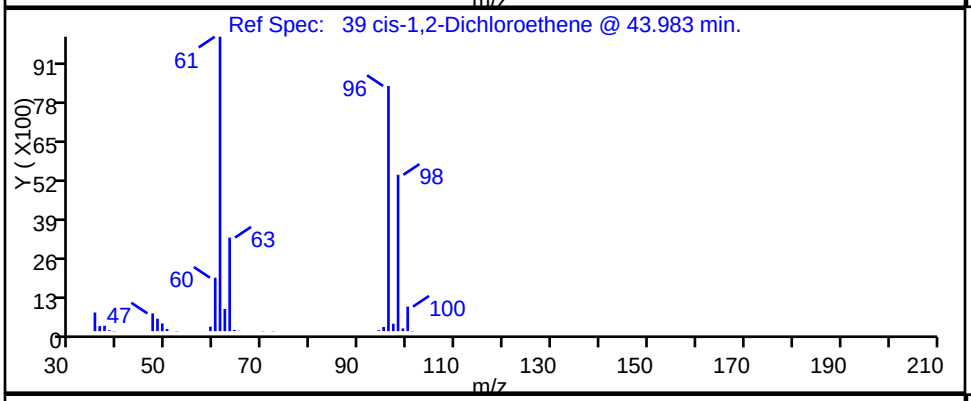
39 cis-1,2-Dichloroethene, CAS: 156-59-2

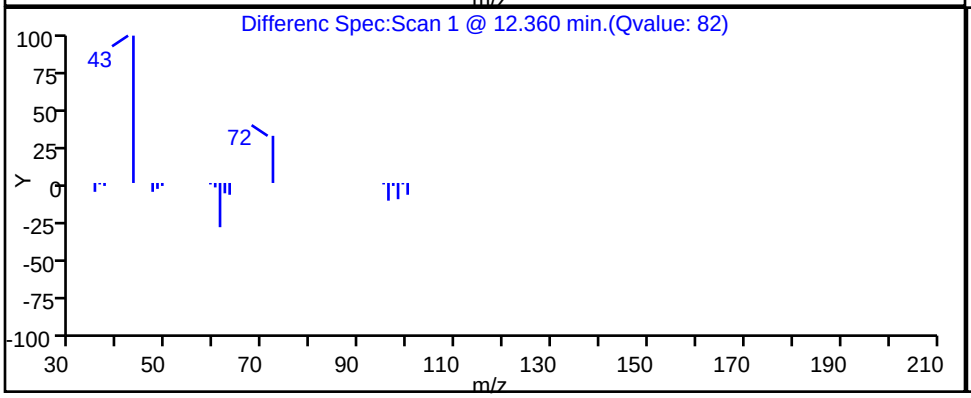


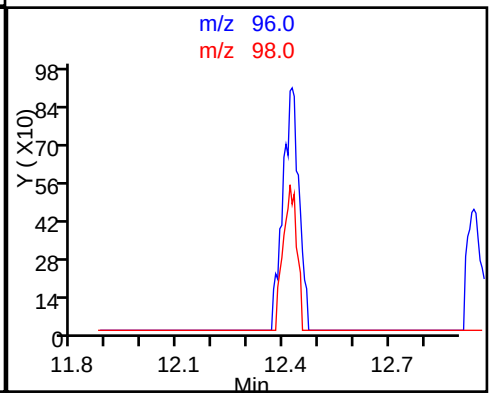












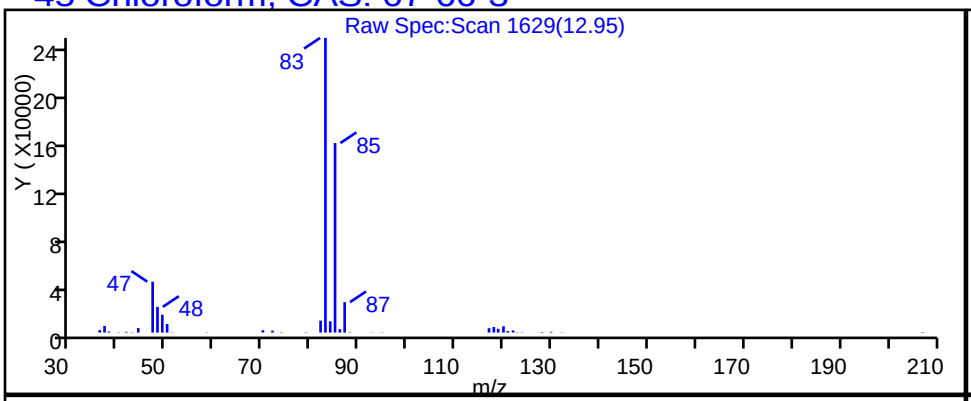
Report Date: 07-Aug-2014 09:52:45 Chrom Revision: 2.2 24-Jun-2014 07:21:42

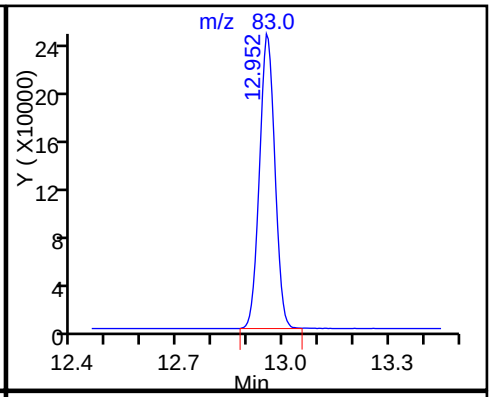
TestAmerica Burlington

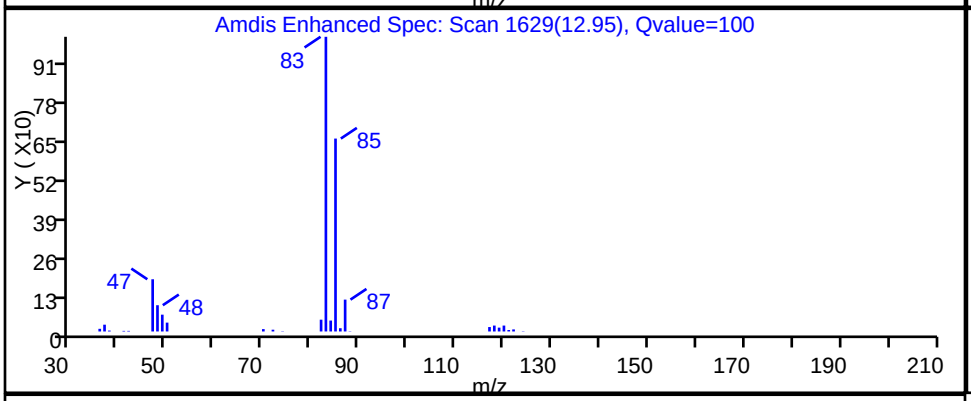
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140806-8889.b\8889_010.d

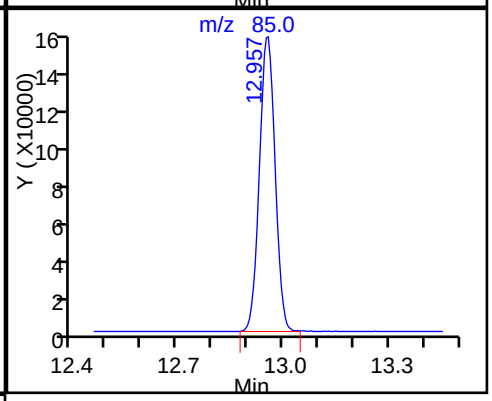
Injection Date:	06-Aug-2014 19:24:30	Instrument ID:	CHW.i		
Lims ID:	280-58004-A-1	Lab Sample ID:	200-58004-1		
Client ID:	786VMP0202LA				
Operator ID:	BPL	ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	4.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

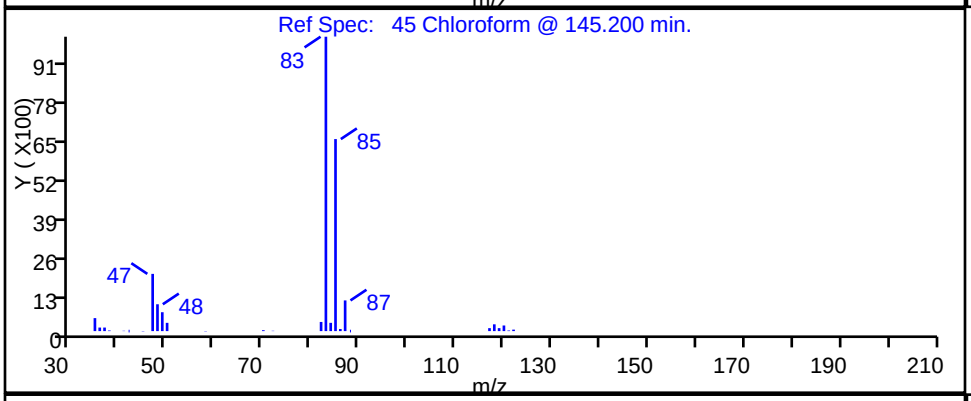
45 Chloroform, CAS: 67-66-3

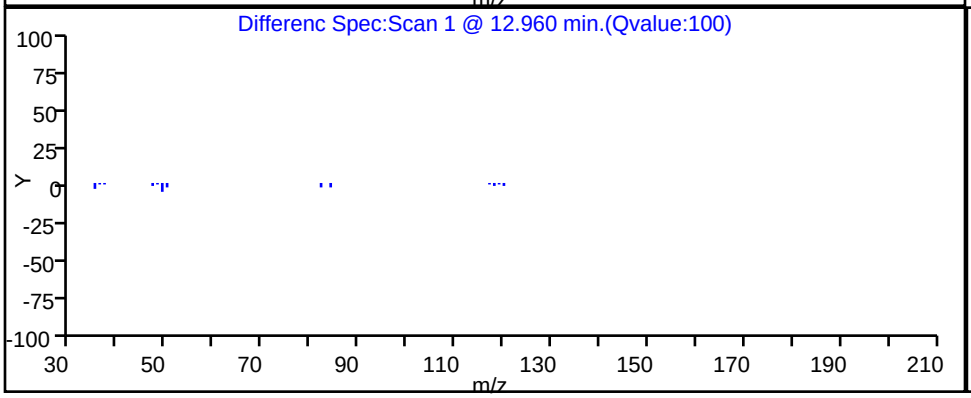


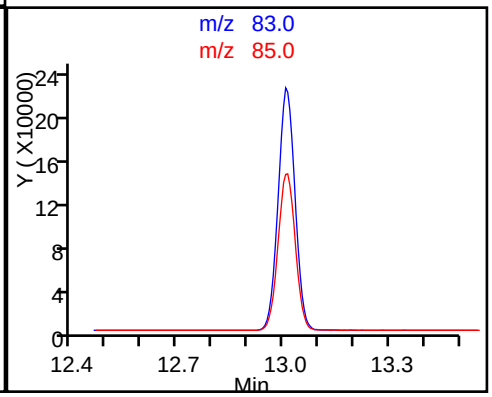












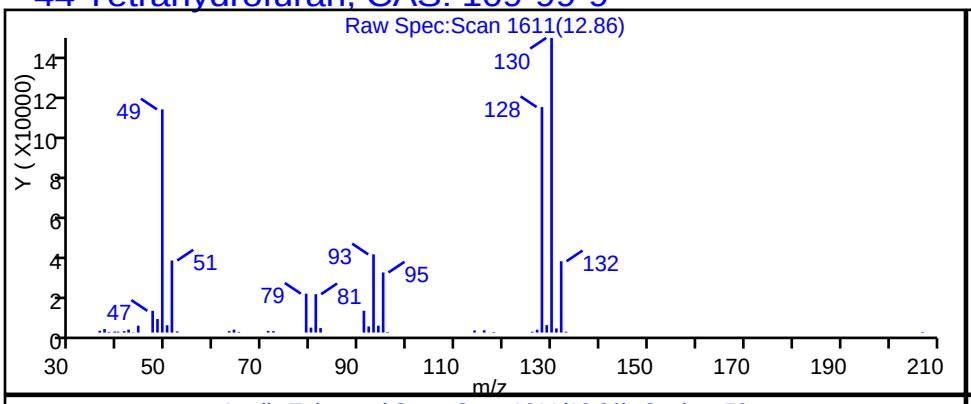
Report Date: 07-Aug-2014 09:52:45 Chrom Revision: 2.2 24-Jun-2014 07:21:42

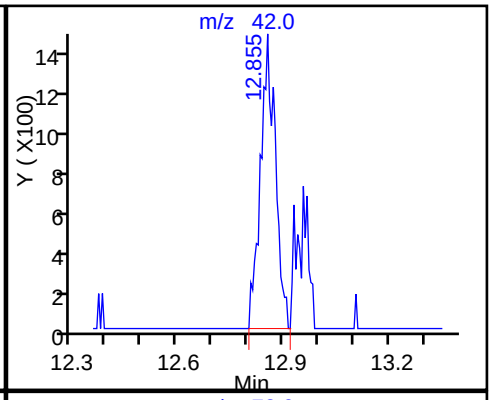
TestAmerica Burlington

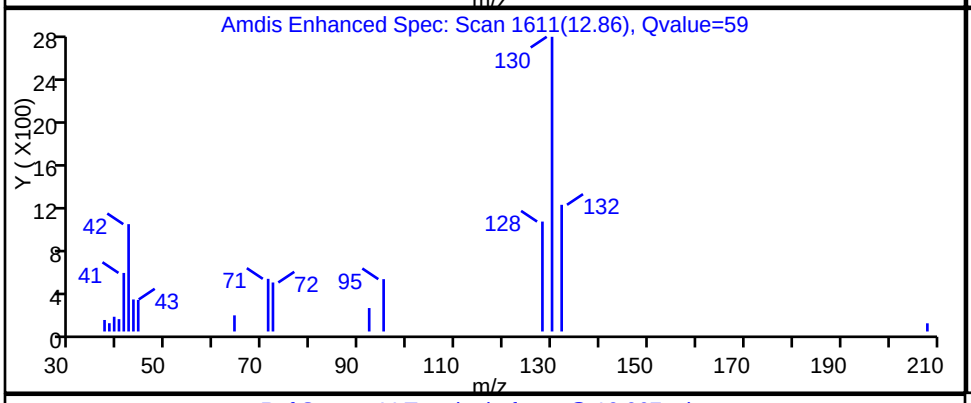
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140806-8889.b\8889_010.d

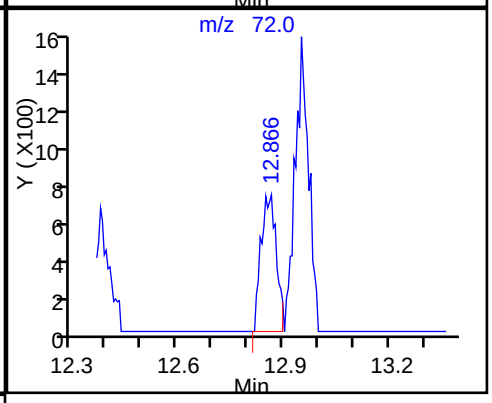
Injection Date:	06-Aug-2014 19:24:30	Instrument ID:	CHW.i		
Lims ID:	280-58004-A-1	Lab Sample ID:	200-58004-1		
Client ID:	786VMP0202LA				
Operator ID:	BPL	ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	4.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

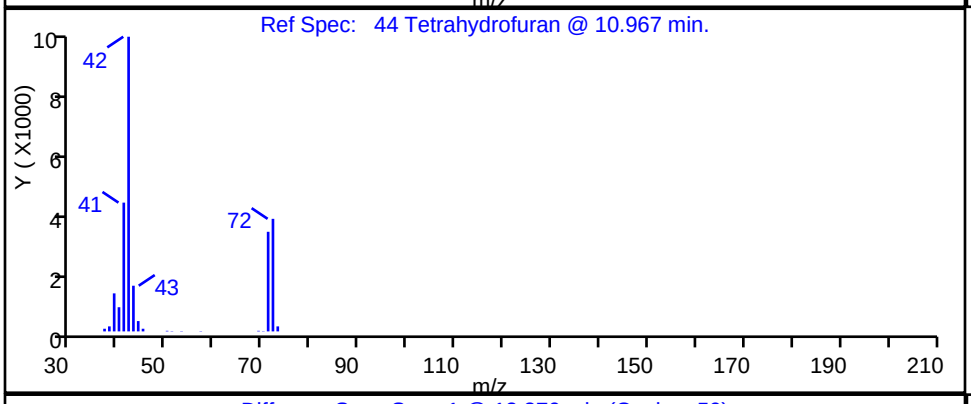
44 Tetrahydrofuran, CAS: 109-99-9

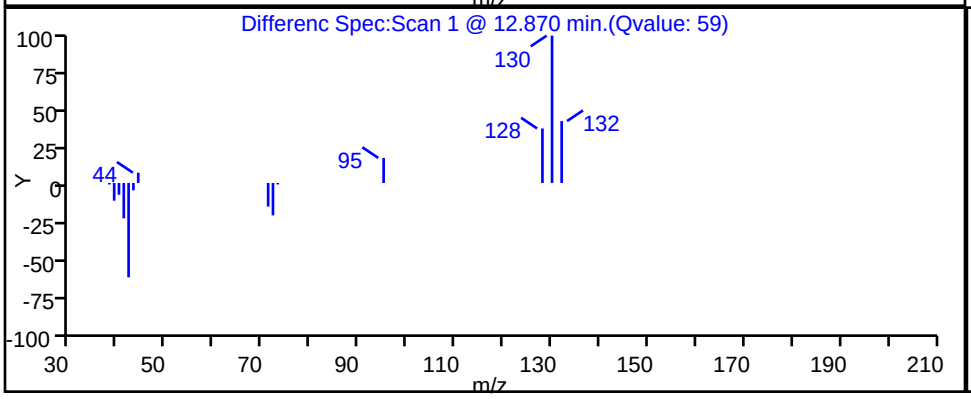


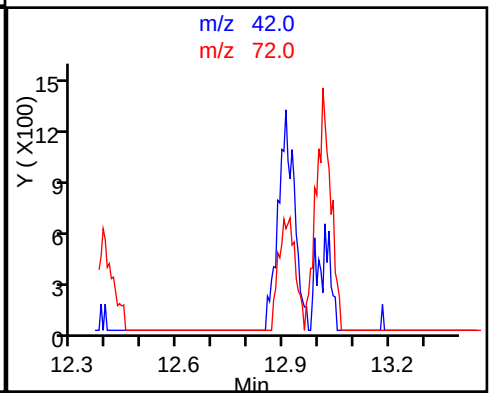












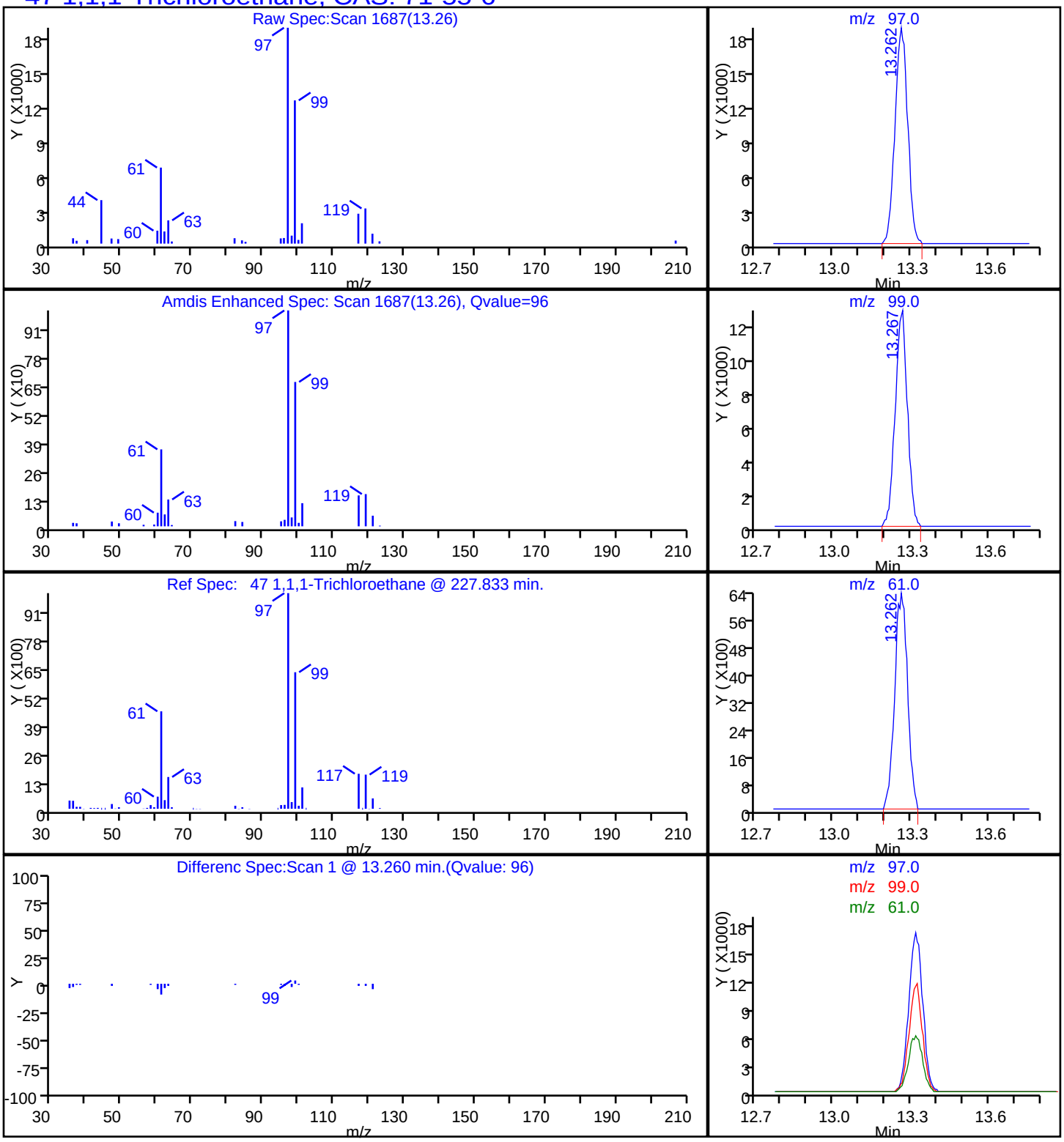
Report Date: 07-Aug-2014 09:52:45 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140806-8889.b\8889_010.d

Injection Date:	06-Aug-2014 19:24:30	Instrument ID:	CHW.i		
Lims ID:	280-58004-A-1	Lab Sample ID:	200-58004-1		
Client ID:	786VMP0202LA				
Operator ID:	BPL	ALS Bottle#:	9	Worklist Smp#:	10
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		

47 1,1,1-Trichloroethane, CAS: 71-55-6



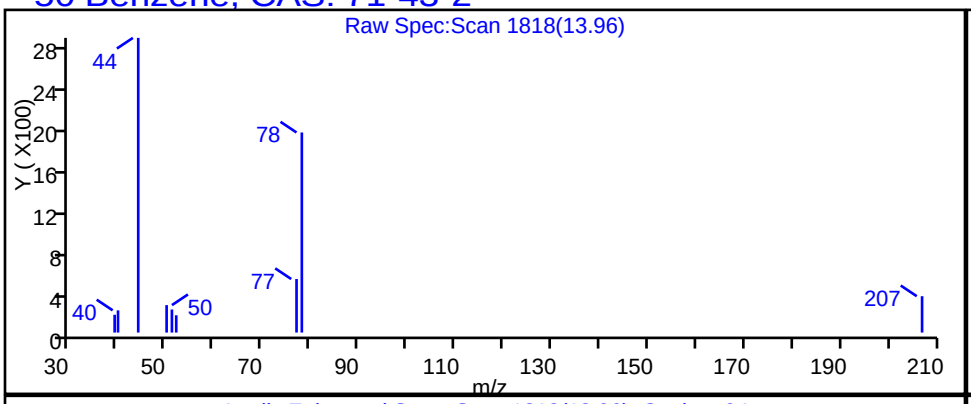
Report Date: 07-Aug-2014 09:52:45 Chrom Revision: 2.2 24-Jun-2014 07:21:42

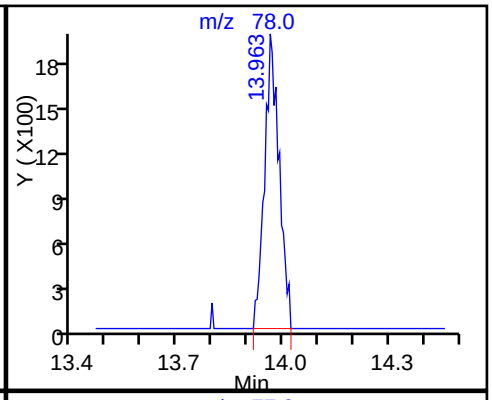
TestAmerica Burlington

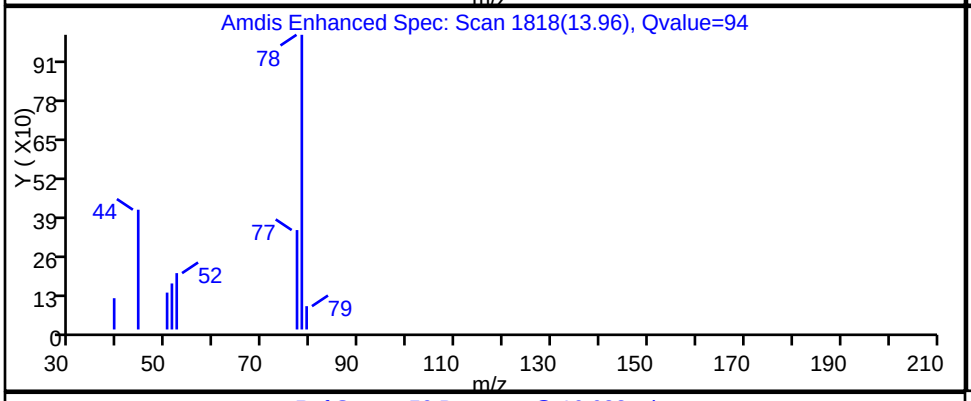
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140806-8889.b\8889_010.d

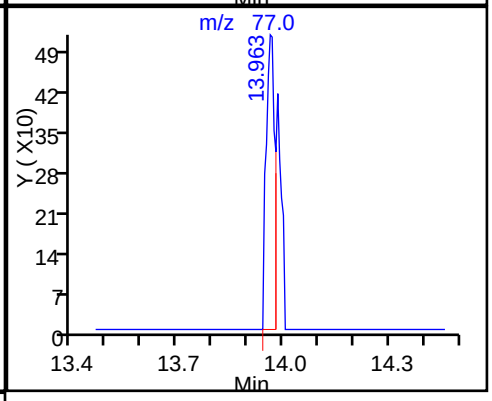
Injection Date:	06-Aug-2014 19:24:30	Instrument ID:	CHW.i		
Lims ID:	280-58004-A-1	Lab Sample ID:	200-58004-1		
Client ID:	786VMP0202LA				
Operator ID:	BPL	ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	4.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

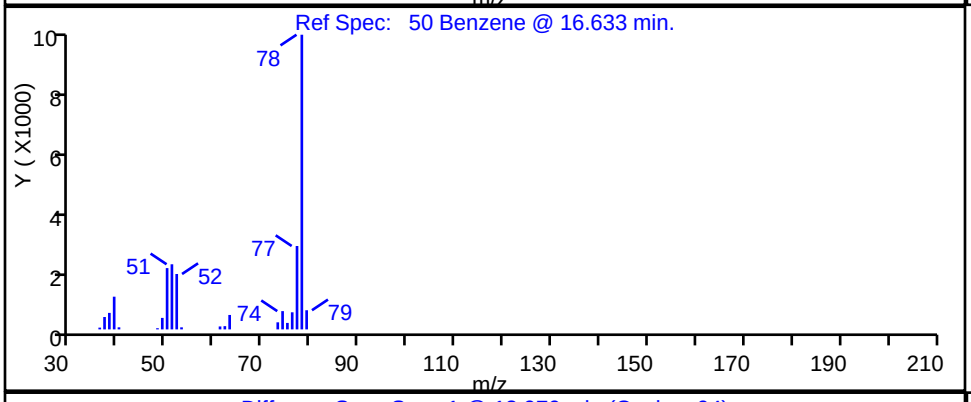
50 Benzene, CAS: 71-43-2

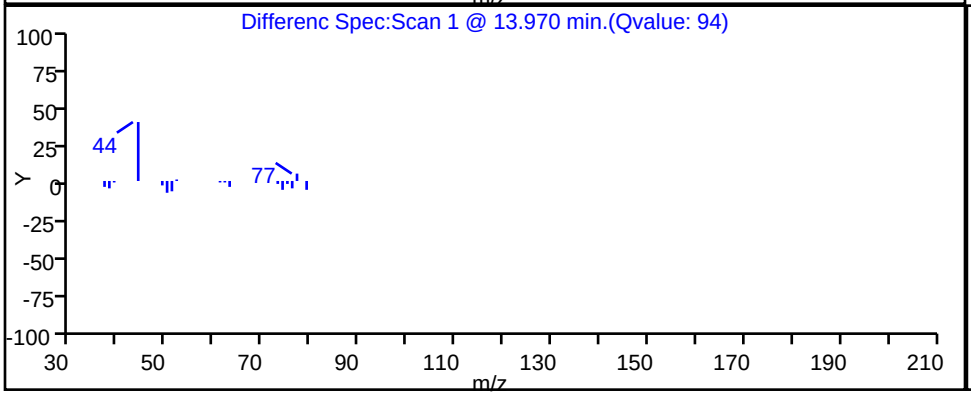


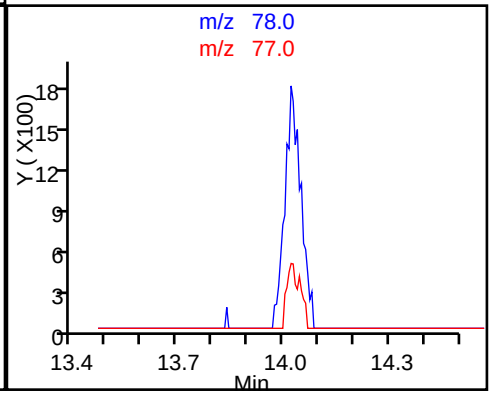












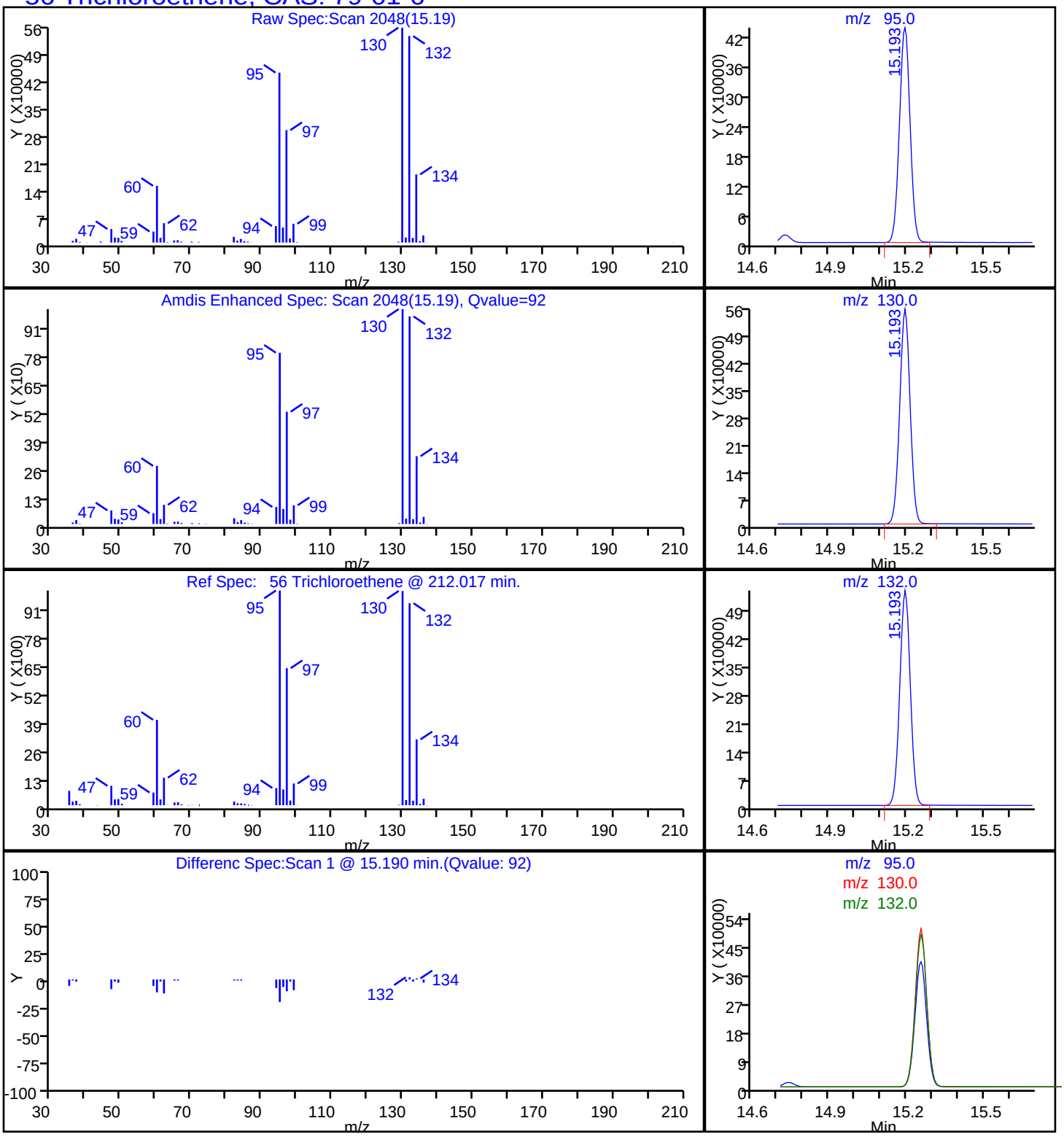
Report Date: 07-Aug-2014 09:52:45 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140806-8889.b\8889_010.d

Injection Date:	06-Aug-2014 19:24:30	Instrument ID:	CHW.i		
Lims ID:	280-58004-A-1	Lab Sample ID:	200-58004-1		
Client ID:	786VMP0202LA				
Operator ID:	BPL	ALS Bottle#:	9	Worklist Smp#:	10
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



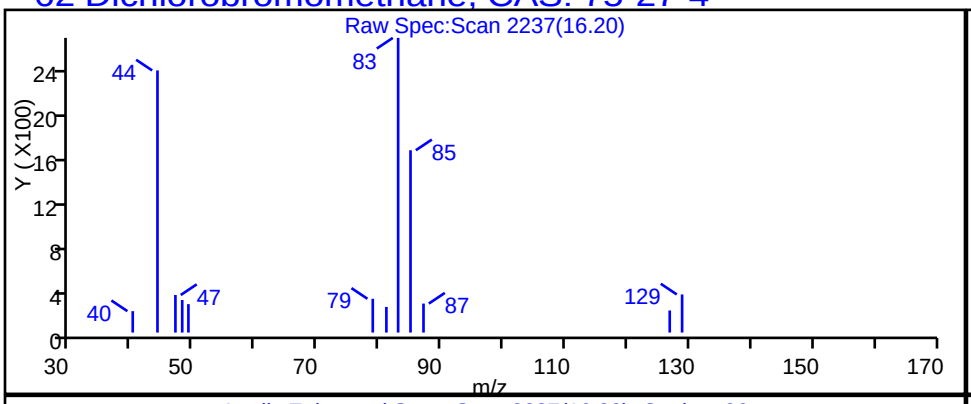
Report Date: 07-Aug-2014 09:52:45 Chrom Revision: 2.2 24-Jun-2014 07:21:42

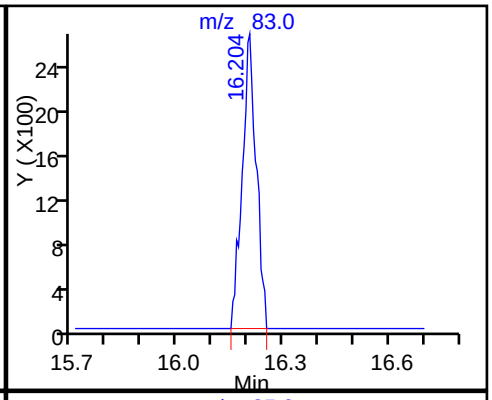
TestAmerica Burlington

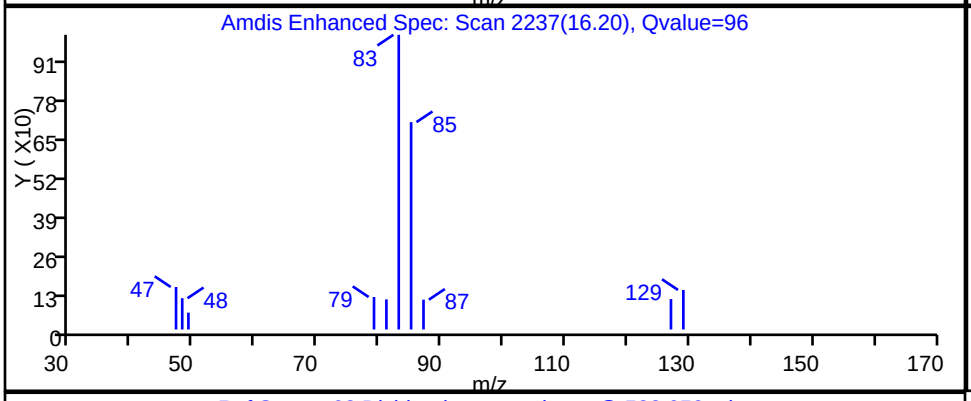
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140806-8889.b\8889_010.d

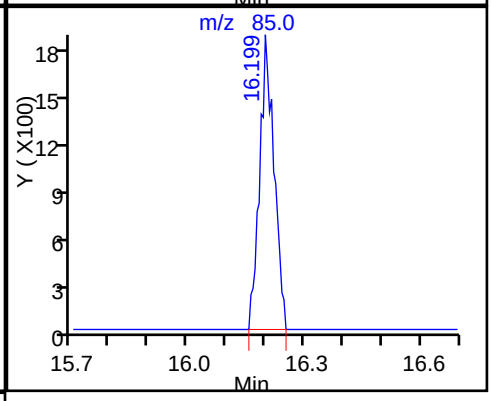
Injection Date:	06-Aug-2014 19:24:30	Instrument ID:	CHW.i		
Lims ID:	280-58004-A-1	Lab Sample ID:	200-58004-1		
Client ID:	786VMP0202LA				
Operator ID:	BPL	ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	4.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

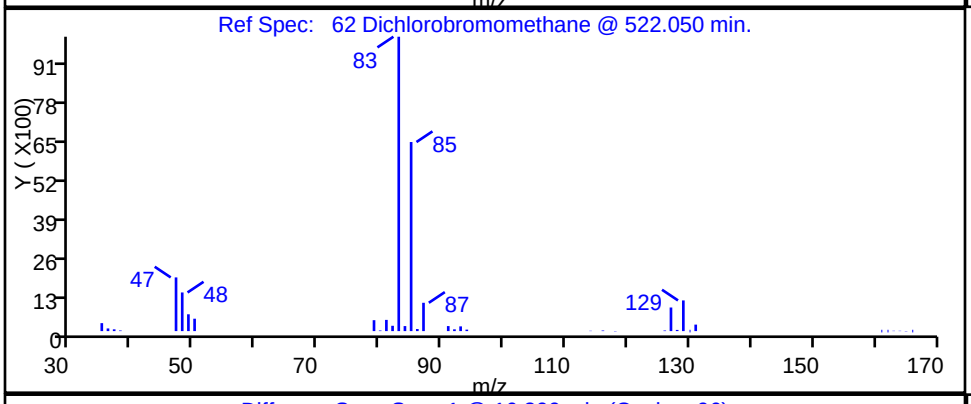
62 Dichlorobromomethane, CAS: 75-27-4

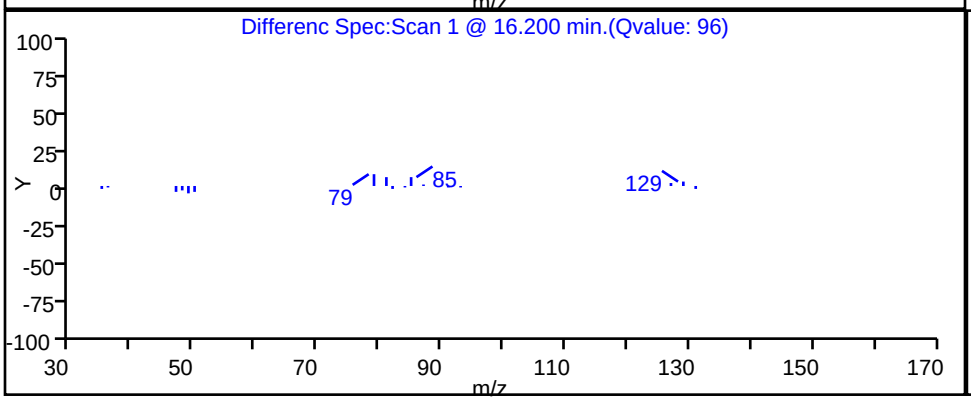


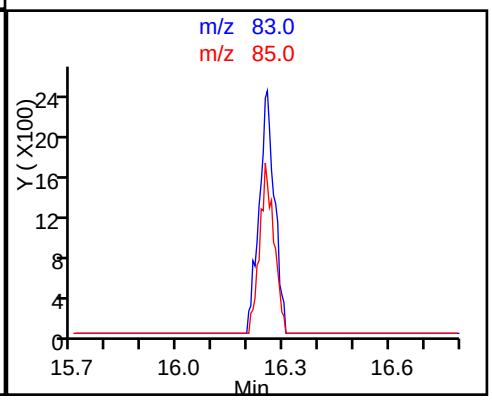












Report Date: 07-Aug-2014 09:52:45 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140806-8889.b\8889_010.d

Injection Date:	06-Aug-2014 19:24:30	Instrument ID:	CHW.i
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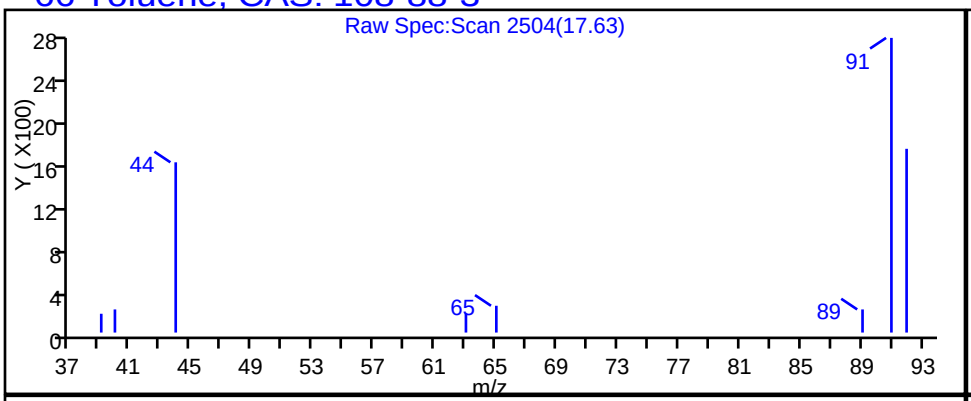
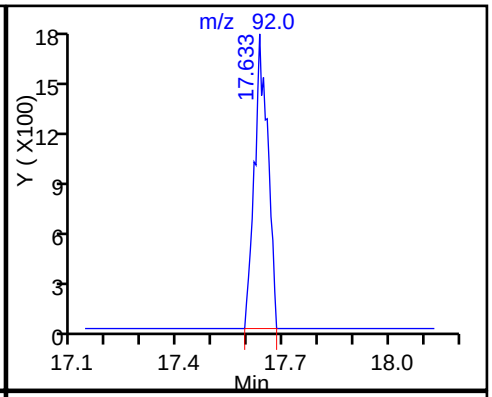
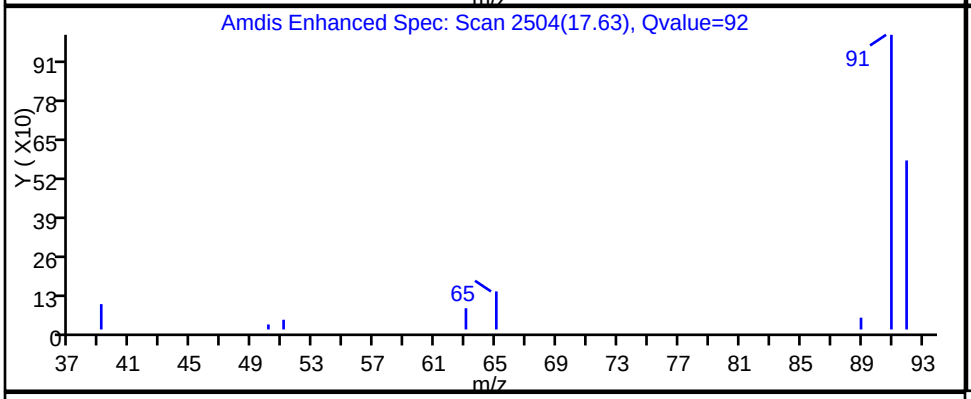
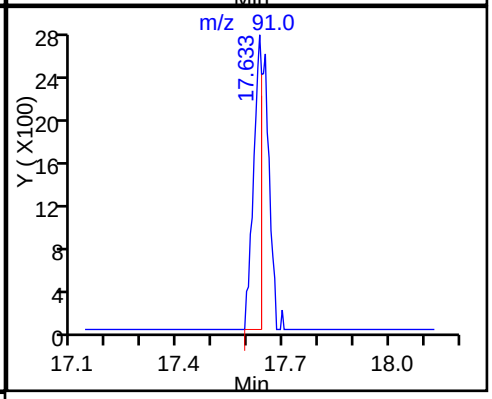
Client ID:	786VMP0202LA		
Operator ID:	BPL	ALS Bottle#:	9 Worklist Smp#: 10
Purge Vol:	200.000 mL	Dil. Factor:	4.0000
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN

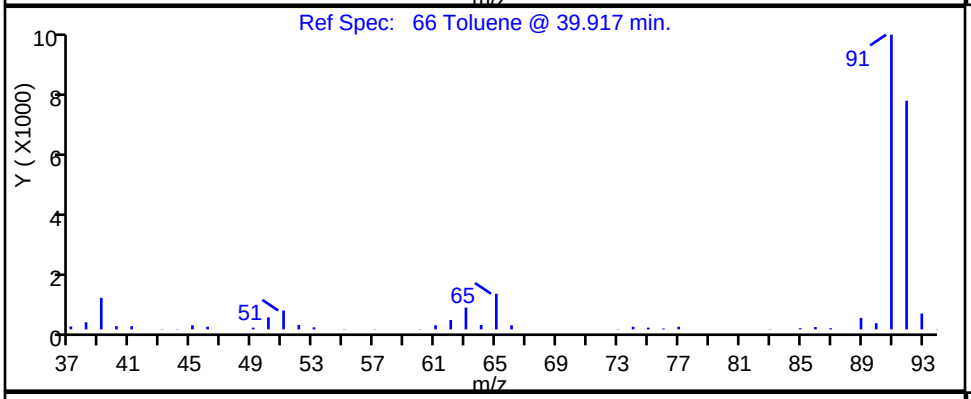
66 Toluene, CAS: 108-88-3

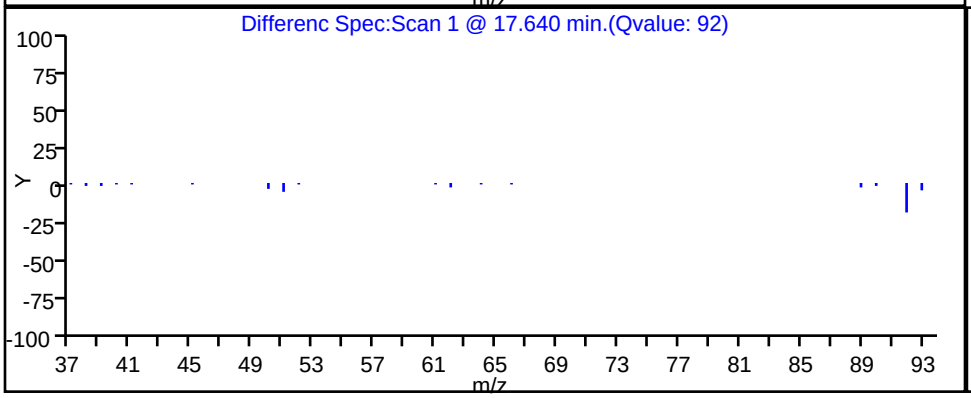


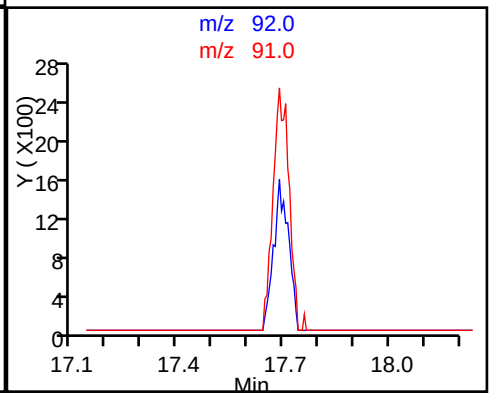












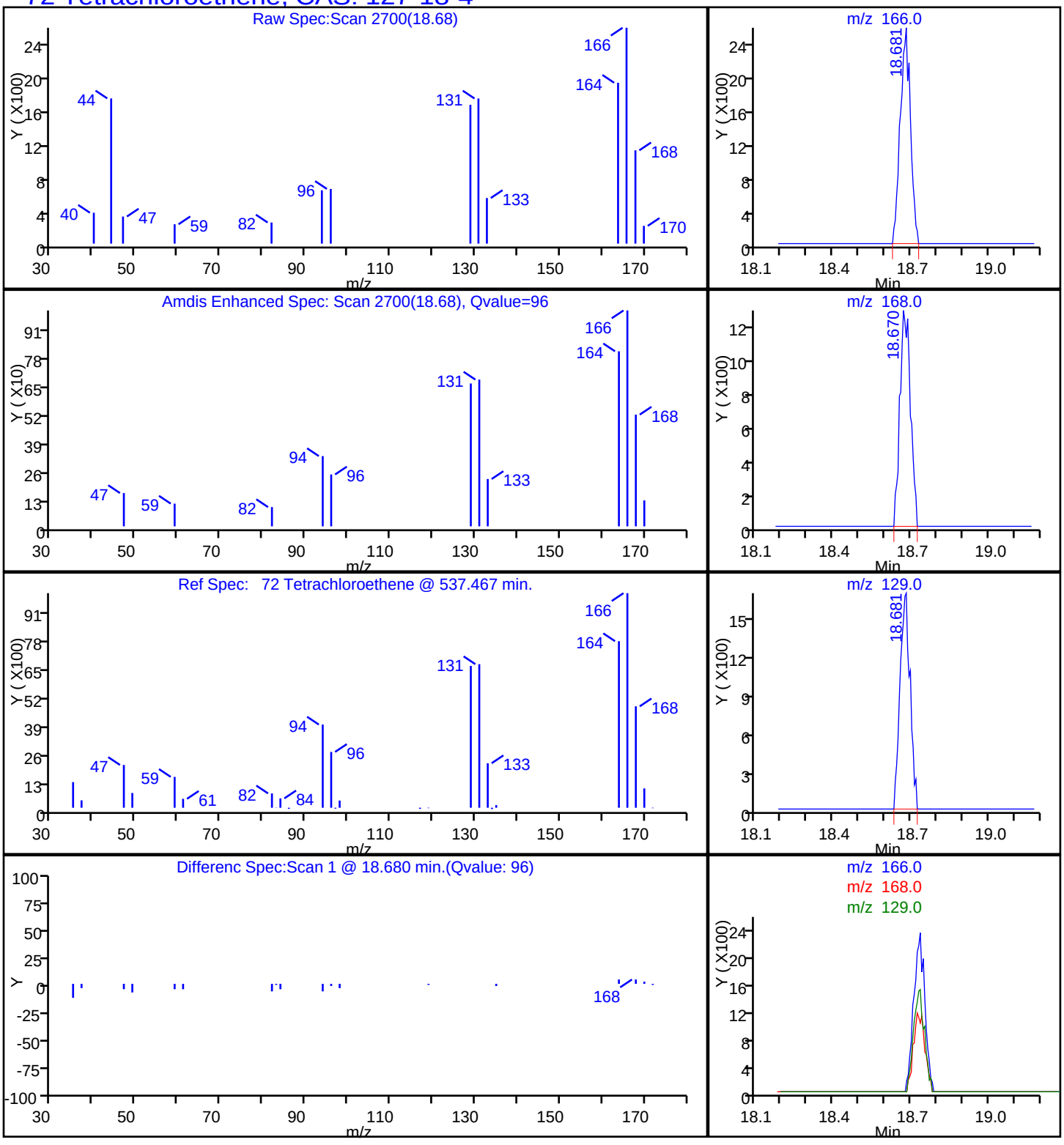
Report Date: 07-Aug-2014 09:52:45 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140806-8889.b\8889_010.d

Injection Date:	06-Aug-2014 19:24:30	Instrument ID:	CHW.i		
Lims ID:	280-58004-A-1	Lab Sample ID:	200-58004-1		
Client ID:	786VMP0202LA				
Operator ID:	BPL	ALS Bottle#:	9	Worklist Smp#:	10
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		

72 Tetrachloroethene, CAS: 127-18-4



Manual Integration/User Assign Peak Report

TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140806-8889.b\8889_010.d				
Injection Date:	06-Aug-2014 19:24:30	Instrument ID:	CHW.i		
Lims ID:	280-58004-A-1	Lab Sample ID:	200-58004-1		
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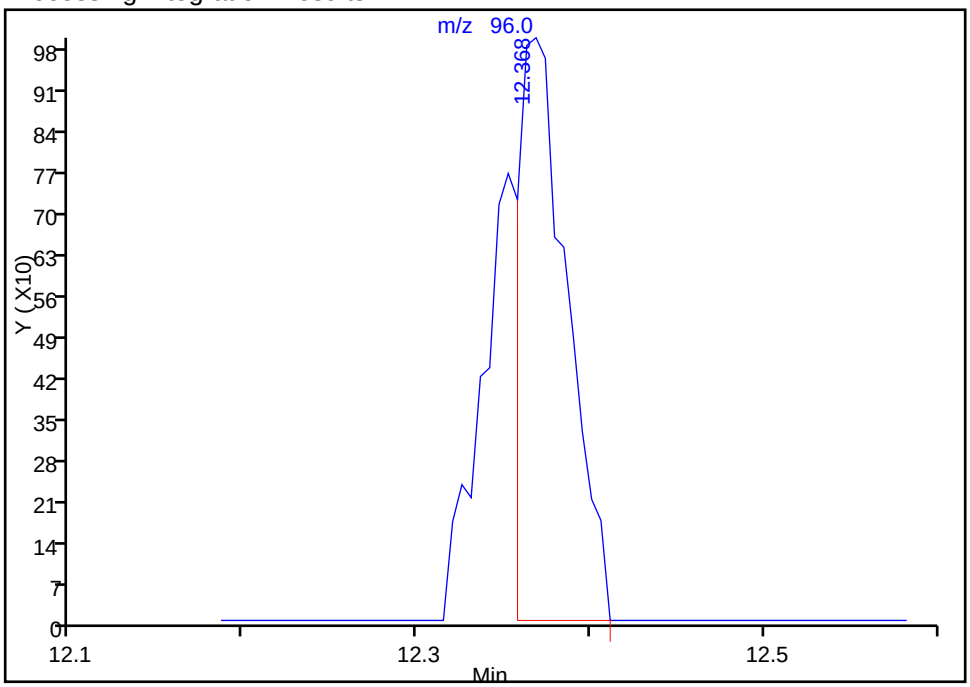
Operator ID:	BPL	ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	4.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

39 cis-1,2-Dichloroethene, CAS: 156-59-2

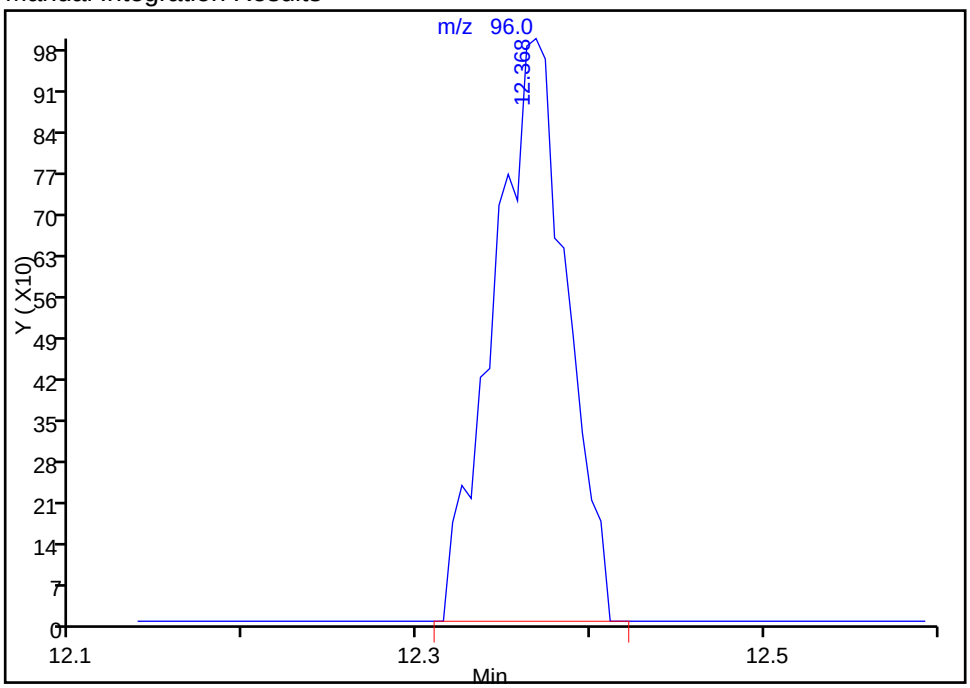
Processing Integration Results

RT: 12.37
Response: 1971
Amount: 0.038294



Manual Integration Results

RT: 12.37
Response: 2913
Amount: 0.056596



Reviewer: lyonsb, 07-Aug-2014 09:51:23
Audit Action: Manually Integrated
Audit Reason: Baseline Event

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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Client Sample ID: 786VMP0302LA Lab Sample ID: 280-58004-2

Matrix: Air Lab File ID: 8834_026.D

Analysis Method: TO-15 Date Collected: 07/18/2014 14:50

Sample wt/vol: 200(mL) Date Analyzed: 08/05/2014 07:07

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75599 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	0.71		0.50	0.030
75-45-6	Freon 22	86.47	0.37	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	0.23	J	0.50	0.14
106-97-8	n-Butane	58.12	0.41	J	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	0.35		0.20	0.030
76-13-1	Freon TF	187.38	0.088	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	18		5.0	1.3
67-63-0	Isopropyl alcohol	60.10	30		5.0	0.22
75-15-0	Carbon disulfide	76.14	4.8		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	0.39	J	0.50	0.13
75-65-0	tert-Butyl alcohol	74.12	5.6		5.0	0.33
1634-04-4	Methyl tert-butyl ether	88.15	0.48		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	0.55		0.20	0.034
75-34-3	1,1-Dichloroethane	98.96	0.14	J	0.20	0.038
78-93-3	Methyl Ethyl Ketone	72.11	3.9		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	0.29		0.20	0.025
109-99-9	Tetrahydrofuran	72.11	3.9	J	5.0	0.046
71-55-6	1,1,1-Trichloroethane	133.41	0.35		0.20	0.021
110-82-7	Cyclohexane	84.16	1.1		0.20	0.025
56-23-5	Carbon tetrachloride	153.81	0.071	J	0.20	0.021
540-84-1	2,2,4-Trimethylpentane	114.23	0.49		0.20	0.027
71-43-2	Benzene	78.11	1.1		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.: 280-58004-1

SDG No.:

Client Sample ID: 786VMP0302LA Lab Sample ID: 280-58004-2

Matrix: Air Lab File ID: 8834_026.D

Analysis Method: TO-15 Date Collected: 07/18/2014 14:50

Sample wt/vol: 200(mL) Date Analyzed: 08/05/2014 07:07

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75599 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
142-82-5	n-Heptane	100.21	0.54		0.20	0.046
79-01-6	Trichloroethene	131.39	38		0.20	0.024
80-62-6	Methyl methacrylate	100.12	0.81		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	0.53		0.50	0.027
108-88-3	Toluene	92.14	4.9		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	1.3		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	0.65		0.20	0.0081
100-41-4	Ethylbenzene	106.17	1.5		0.20	0.013
179601-23-1	m,p-Xylene	106.17	3.9		0.50	0.023
95-47-6	Xylene, o-	106.17	1.2		0.20	0.016
1330-20-7	Xylene (total)	106.17	5.1		0.20	0.034
100-42-5	Styrene	104.15	0.71		0.20	0.018
75-25-2	Bromoform	252.75	0.030	U	0.20	0.010
98-82-8	Cumene	120.19	0.23		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	0.46		0.20	0.080
622-96-8	4-Ethyltoluene	120.20	0.43		0.20	0.018
108-67-8	1,3,5-Trimethylbenzene	120.20	0.33		0.20	0.012
95-49-8	2-Chlorotoluene	126.59	0.081	J	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	1.3		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	0.14	J	0.20	0.080
541-73-1	1,3-Dichlorobenzene	147.00	3.0		0.20	0.014
106-46-7	1,4-Dichlorobenzene	147.00	0.23		0.20	0.014

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Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Client Sample ID: 786VMP0302LA Lab Sample ID: 280-58004-2

Matrix: Air Lab File ID: 8834_026.D

Analysis Method: TO-15 Date Collected: 07/18/2014 14:50

Sample wt/vol: 200(mL) Date Analyzed: 08/05/2014 07:07

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75599 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.: 280-58004-1

SDG No.:

Client Sample ID: 786VMP0302LA Lab Sample ID: 280-58004-2

Matrix: Air Lab File ID: 8834_026.D

Analysis Method: TO-15 Date Collected: 07/18/2014 14:50

Sample wt/vol: 200(mL) Date Analyzed: 08/05/2014 07:07

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75599 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	3.5		2.5	0.15
75-45-6	Freon 22	86.47	1.3	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	0.47	J	1.0	0.28
106-97-8	n-Butane	58.12	0.97	J	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	2.0		1.1	0.17
76-13-1	Freon TF	187.38	0.67	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	44		12	3.0
67-63-0	Isopropyl alcohol	60.10	73		12	0.53
75-15-0	Carbon disulfide	76.14	15		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	1.3	J	1.7	0.43
75-65-0	tert-Butyl alcohol	74.12	17		15	0.99
1634-04-4	Methyl tert-butyl ether	88.15	1.7		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	1.9		0.70	0.12
75-34-3	1,1-Dichloroethane	98.96	0.57	J	0.81	0.15
78-93-3	Methyl Ethyl Ketone	72.11	11		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	1.4		0.98	0.12
109-99-9	Tetrahydrofuran	72.11	12	J	15	0.14
71-55-6	1,1,1-Trichloroethane	133.41	1.9		1.1	0.11
110-82-7	Cyclohexane	84.16	3.7		0.69	0.086
56-23-5	Carbon tetrachloride	153.81	0.45	J	1.3	0.13
540-84-1	2,2,4-Trimethylpentane	114.23	2.3		0.93	0.13
71-43-2	Benzene	78.11	3.5		0.64	0.061
107-06-2	1,2-Dichloroethane	98.96	0.12	U	0.81	0.069

FORM I
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Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Client Sample ID: 786VMP0302LA Lab Sample ID: 280-58004-2

Matrix: Air Lab File ID: 8834_026.D

Analysis Method: TO-15 Date Collected: 07/18/2014 14:50

Sample wt/vol: 200(mL) Date Analyzed: 08/05/2014 07:07

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75599 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
142-82-5	n-Heptane	100.21	2.2		0.82	0.19
79-01-6	Trichloroethene	131.39	200		1.1	0.13
80-62-6	Methyl methacrylate	100.12	3.3		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	2.2		2.0	0.11
108-88-3	Toluene	92.14	19		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	8.5		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	3.0		0.92	0.037
100-41-4	Ethylbenzene	106.17	6.4		0.87	0.056
179601-23-1	m,p-Xylene	106.17	17		2.2	0.10
95-47-6	Xylene, o-	106.17	5.2		0.87	0.069
1330-20-7	Xylene (total)	106.17	22		0.87	0.15
100-42-5	Styrene	104.15	3.0		0.85	0.077
75-25-2	Bromoform	252.75	0.31	U	2.1	0.10
98-82-8	Cumene	120.19	1.1		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	2.3		0.98	0.39
622-96-8	4-Ethyltoluene	120.20	2.1		0.98	0.088
108-67-8	1,3,5-Trimethylbenzene	120.20	1.6		0.98	0.059
95-49-8	2-Chlorotoluene	126.59	0.42	J	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	6.2		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	0.76	J	1.1	0.44
541-73-1	1,3-Dichlorobenzene	147.00	18		1.2	0.084
106-46-7	1,4-Dichlorobenzene	147.00	1.4		1.2	0.084

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SDG No.:

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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.: 75599 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\CHC.i\20140804-8834.b\8834_026.D
Lims ID: 280-58004-A-2 Lab Sample ID: 200-58004-2
Client ID: 786VMP0302LA
Sample Type: Client
Inject. Date: 05-Aug-2014 07:07:30 ALS Bottle#: 6 Worklist Smp#: 26
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0008834-026
Misc. Info.: 58004-2
Operator ID: wrd Instrument ID: CHC.i

Method: \\BTV-LIMS1\ChromData\CHC.i\20140804-8834.b\TO15_LLNJ_TO3_CHC.m
Limit Group: AI_TO15_ICAL
Last Update: 05-Aug-2014 08:50:11 Calib Date: 18-Jul-2014 09:36:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\8605_018.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK013

First Level Reviewer: desjardinsb Date: 05-Aug-2014 08:50:11

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	3.074	3.074	0.000	100	16697	0.7141	
6 Chlorodifluoromethane	51	3.127	3.132	-0.005	96	3833	0.3662	
7 1,2-Dichloro-1,1,2,2-tetra	85		3.351				ND	
8 Chloromethane	50	3.490	3.490	0.000	93	1266	0.2276	
9 Butane	43	3.693	3.698	-0.005	88	3665	0.4062	
10 Vinyl chloride	62		3.746				ND	
11 Butadiene	54		3.826				ND	
12 Bromomethane	94		4.536				ND	
13 Chloroethane	64		4.787				ND	
15 Vinyl bromide	106		5.187				ND	
16 Trichlorofluoromethane	101	5.283	5.294	-0.011	97	8783	0.3514	
23 1,1,2-Trichloro-1,2,2-trif	101	6.425	6.425	0.010	50	1225	0.0876	M
24 1,1-Dichloroethene	96		6.452				ND	
25 Acetone	43	6.730	6.735	-0.005	85	167557	18.4	
26 Carbon disulfide	76	6.836	6.836	0.000	100	93288	4.83	
27 Isopropyl alcohol	45	7.066	7.066	0.000	97	215296	29.7	
29 3-Chloro-1-propene	41		7.279				ND	
31 Methylene Chloride	49	7.578	7.589	-0.011	89	2492	0.3878	
32 2-Methyl-2-propanol	59	7.866	7.856	0.010	97	66589	5.56	
33 Methyl tert-butyl ether	73	8.010	8.000	0.010	95	9381	0.4841	
34 trans-1,2-Dichloroethene	61		8.026				ND	
36 Hexane	57	8.416	8.416	0.000	89	4617	0.5512	
37 1,1-Dichloroethane	63	8.934	8.928	0.006	1	1719	0.1407	
39 cis-1,2-Dichloroethene	96		10.076				ND	
40 2-Butanone (MEK)	72	10.145	10.145	0.000	100	15492	3.86	
S 41 1,2-Dichloroethene, Total	61		10.200				0	
* 43 Chlorobromomethane	128	10.545	10.545	0.000	93	75486	10.0	
44 Tetrahydrofuran	42	10.567	10.561	0.006	90	27168	3.90	
45 Chloroform	83	10.684	10.690	-0.006	97	6016	0.2945	
46 Cyclohexane	84	10.908	10.914	-0.006	93	11454	1.08	
47 1,1,1-Trichloroethane	97	10.951	10.951	0.000	94	7722	0.3492	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
48 Carbon tetrachloride	117	11.197	11.197	-0.001	70	1705	0.0711	
51 Isooctane	57	11.645	11.650	-0.005	41	20462	0.4890	
50 Benzene	78	11.682	11.688	-0.006	97	29927	1.11	
52 1,2-Dichloroethane	62		11.890				ND	
53 n-Heptane	43	12.050	12.050	0.000	85	9025	0.5419	
* 54 1,4-Difluorobenzene	114	12.563	12.557	0.006	97	425157	10.0	
56 Trichloroethene	95	13.022	13.022	0.000	90	563096	38.1	
58 1,2-Dichloropropane	63		13.603				ND	
59 Methyl methacrylate	69	13.790	13.790	0.000	92	9986	0.8149	
60 1,4-Dioxane	88		13.854				ND	
62 Dichlorobromomethane	83		14.175				ND	
64 cis-1,3-Dichloropropene	75		15.119				ND	
65 4-Methyl-2-pentanone (MIBK	43	15.434	15.429	0.005	98	14756	0.5343	
66 Toluene	92	15.706	15.706	0.000	93	122067	4.93	
70 trans-1,3-Dichloropropene	75		16.325				ND	
71 1,1,2-Trichloroethane	83		16.699				ND	
72 Tetrachloroethene	166	16.779	16.784	-0.005	84	23827	1.25	
73 2-Hexanone	43		17.158				ND	
74 Chlorodibromomethane	129		17.457				ND	
75 Ethylene Dibromide	107		17.724				ND	
* 76 Chlorobenzene-d5	117	18.615	18.615	0.000	94	436987	10.0	
77 Chlorobenzene	112	18.674	18.674	0.000	87	21317	0.6548	
78 Ethylbenzene	91	18.828	18.828	0.000	100	81014	1.47	
81 m-Xylene & p-Xylene	106	19.074	19.079	-0.005	96	80292	3.91	
83 o-Xylene	106	19.912	19.912	0.000	91	25408	1.19	
84 Styrene	104	19.970	19.970	0.000	92	21857	0.7142	
S 82 Xylenes, Total	106				0		5.10	
85 Bromoform	173		20.387				ND	
86 Isopropylbenzene	105	20.589	20.589	0.000	97	13989	0.2323	
$ 87 4-Bromofluorobenzene	95	20.952	20.958	-0.006	93	234931	NC	
88 1,1,2,2-Tetrachloroethane	83		21.246				ND	
90 N-Propylbenzene	91	21.299	21.299	0.000	98	34332	0.4637	
91 4-Ethyltoluene	105	21.491	21.491	0.000	98	24063	0.4268	
92 2-Chlorotoluene	91	21.491	21.497	-0.006	57	4235	0.0806	
94 1,3,5-Trimethylbenzene	105	21.593	21.598	-0.005	91	17256	0.3342	
96 tert-Butylbenzene	119		22.078				ND	
97 1,2,4-Trimethylbenzene	105	22.175	22.175	0.000	98	64441	1.25	
98 sec-Butylbenzene	105	22.399	22.399	0.000	97	4215	0.0593	
99 4-Isopropyltoluene	119	22.601	22.601	0.000	94	8008	0.1382	
100 1,3-Dichlorobenzene	146	22.628	22.628	0.000	90	99100	3.04	
101 1,4-Dichlorobenzene	146	22.762	22.767	-0.005	86	7798	0.2341	
102 Benzyl chloride	91	22.964	22.964	0.000	53	2329	0.0511	
103 n-Butylbenzene	91		23.167				ND	
105 1,2-Dichlorobenzene	146		23.295				ND	
107 1,2,4-Trichlorobenzene	180		25.793				ND	
108 Hexachlorobutadiene	225		25.974				ND	
109 Naphthalene	128		26.279				0	

QC Flag Legend

Processing Flags
NC - Not Calibrated
ND - Not Detected or Marked ND

Review Flags
M - Manually Integrated

Reagents:

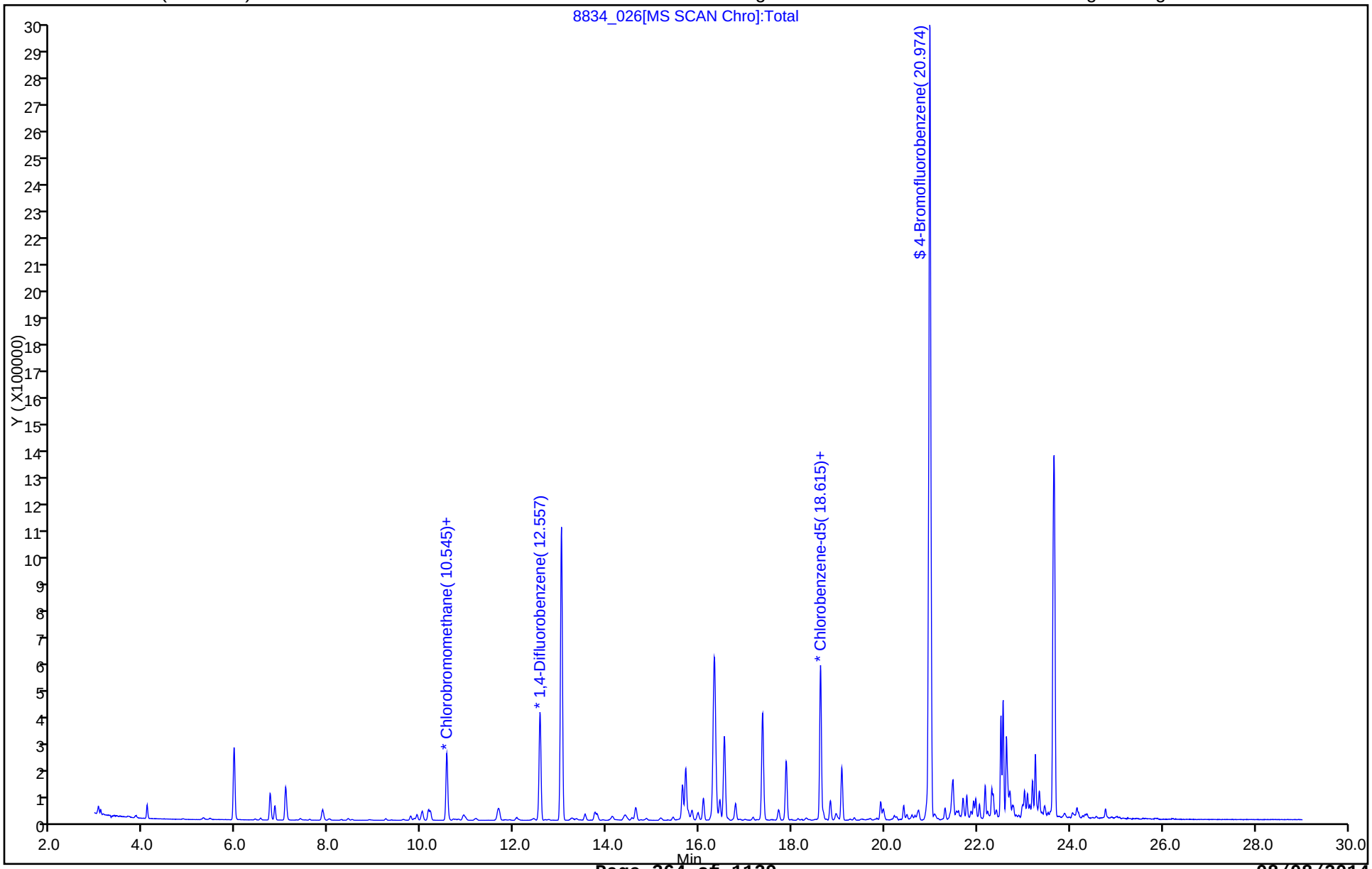
ATTO15CISs_00006 Amount Added: 20.00 Units: mL Run Reagent

Report Date: 05-Aug-2014 08:50:12 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140804-8834.b\8834_026.D				
Injection Date:	05-Aug-2014 07:07:30	Instrument ID:	CHC.i	Operator ID:	wrd
Lims ID:	280-58004-A-2	Lab Sample ID:	200-58004-2	Worklist Smp#:	26
Client ID:	786VMP0302LA				
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	6
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



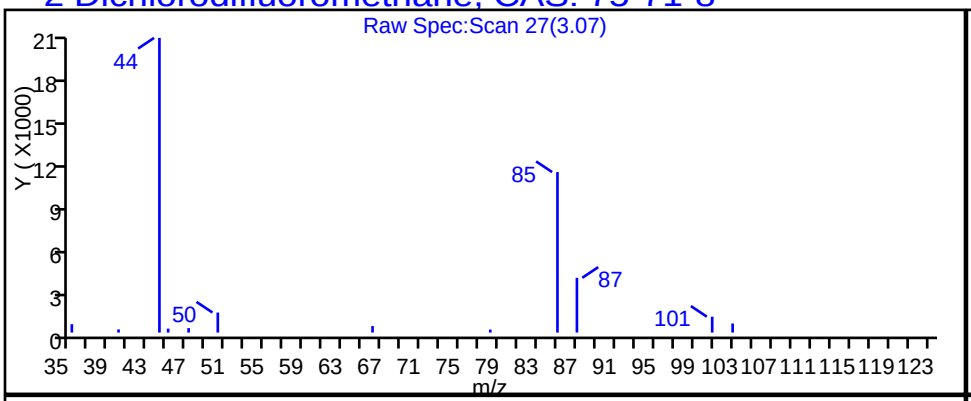
Report Date: 05-Aug-2014 08:50:12 Chrom Revision: 2.2 24-Jun-2014 07:21:42

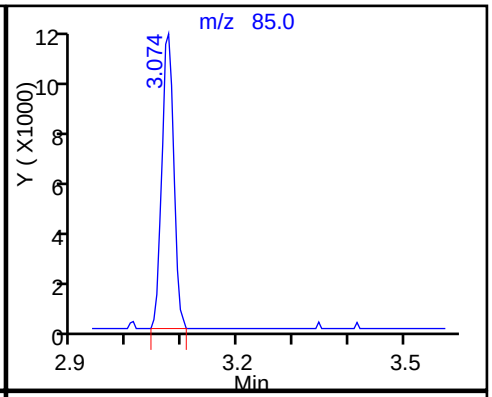
TestAmerica Burlington

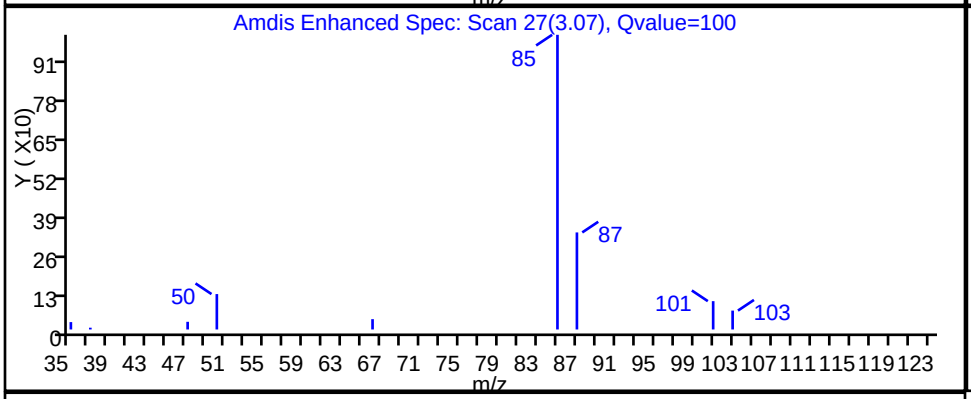
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140804-8834.b\8834_026.D

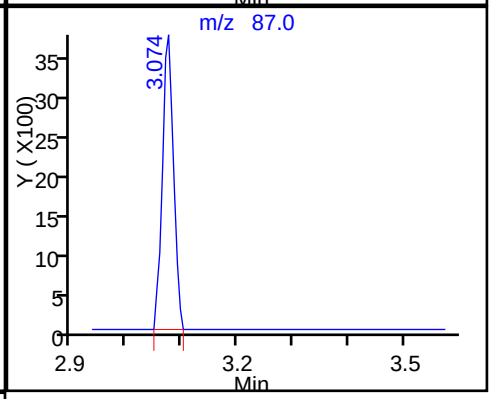
Injection Date:	05-Aug-2014 07:07:30	Instrument ID:	CHC.i		
Lims ID:	280-58004-A-2	Lab Sample ID:	200-58004-2		
Client ID:	786VMP0302LA				
Operator ID:	wrd	ALS Bottle#:	6	Worklist Smp#:	26
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

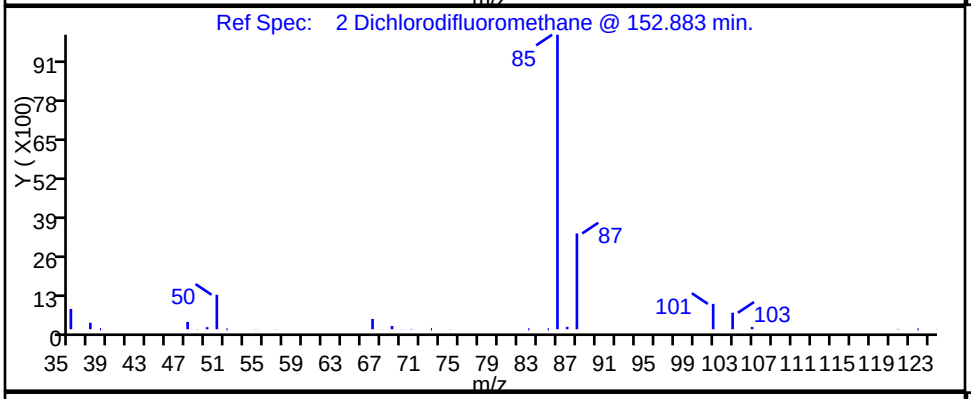
2 Dichlorodifluoromethane, CAS: 75-71-8

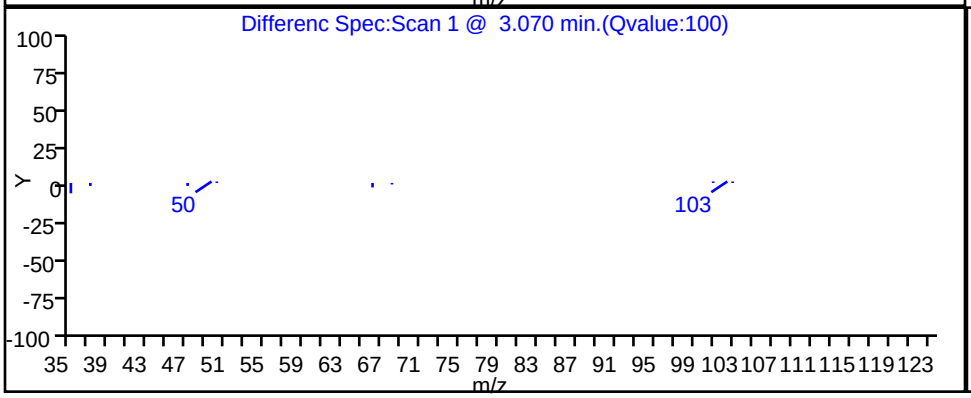


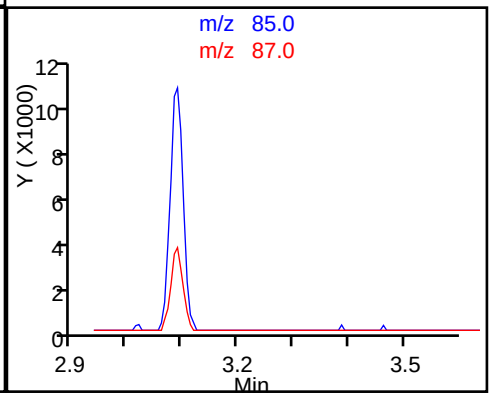












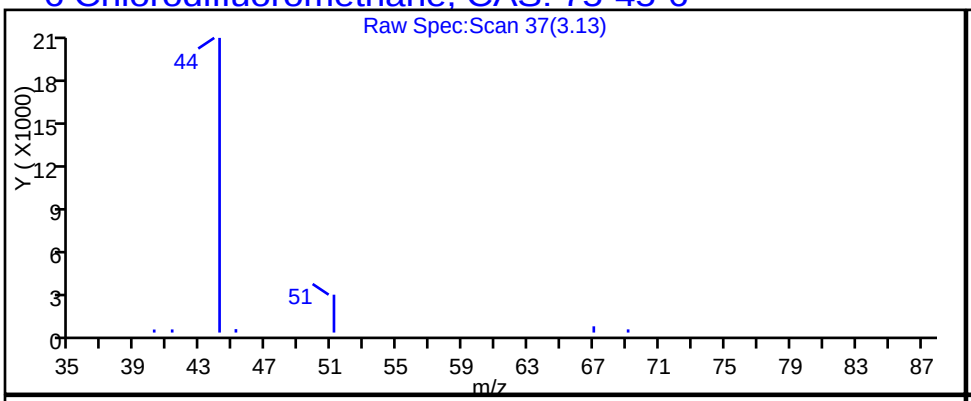
Report Date: 05-Aug-2014 08:50:12 Chrom Revision: 2.2 24-Jun-2014 07:21:42

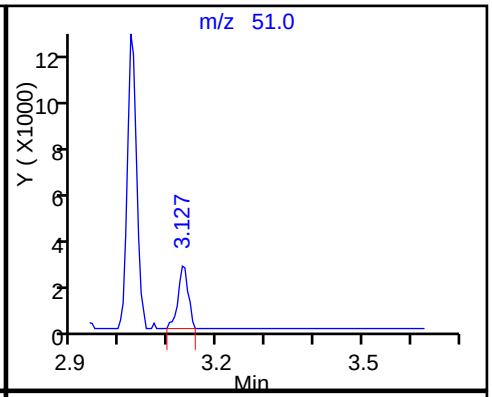
TestAmerica Burlington

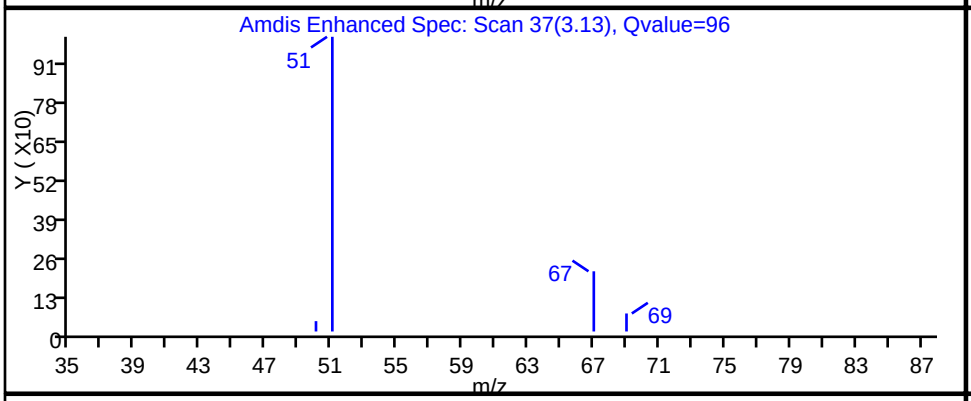
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140804-8834.b\8834_026.D

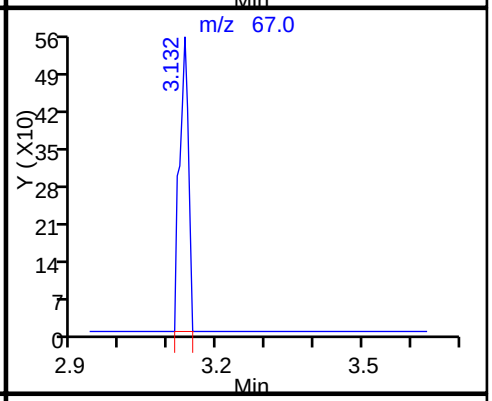
Injection Date:	05-Aug-2014 07:07:30	Instrument ID:	CHC.i		
Lims ID:	280-58004-A-2	Lab Sample ID:	200-58004-2		
Client ID:	786VMP0302LA				
Operator ID:	wrd	ALS Bottle#:	6	Worklist Smp#:	26
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

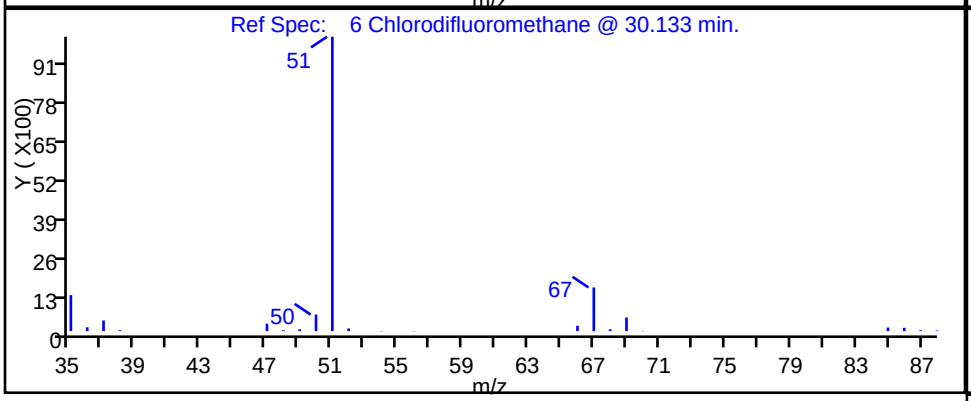
6 Chlorodifluoromethane, CAS: 75-45-6

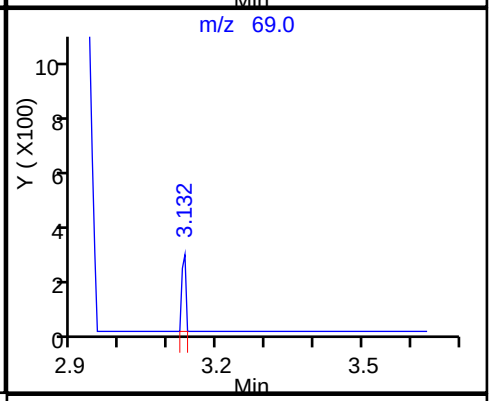


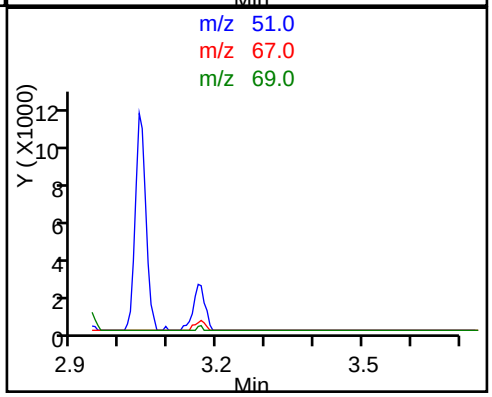








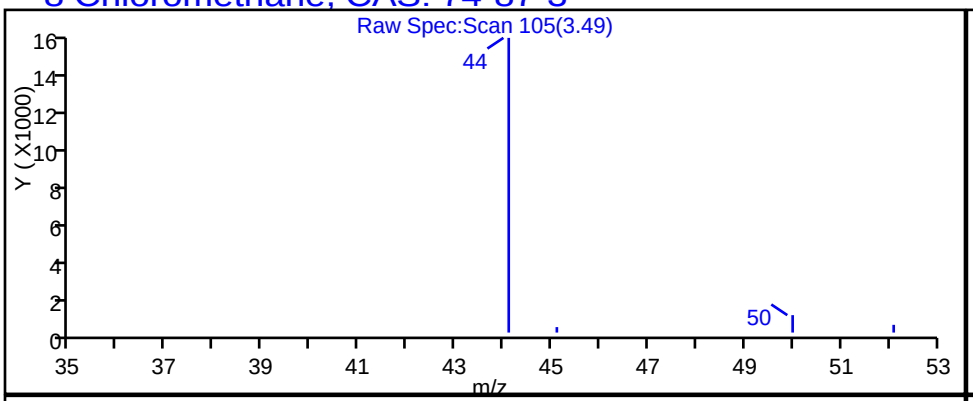


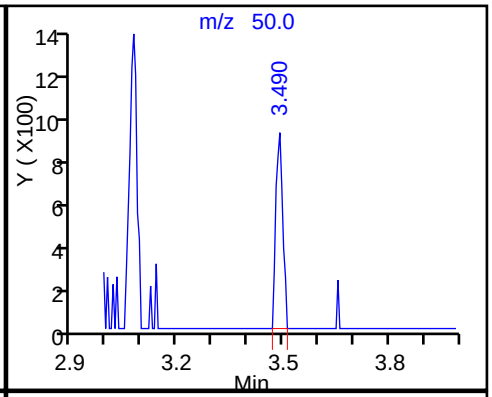


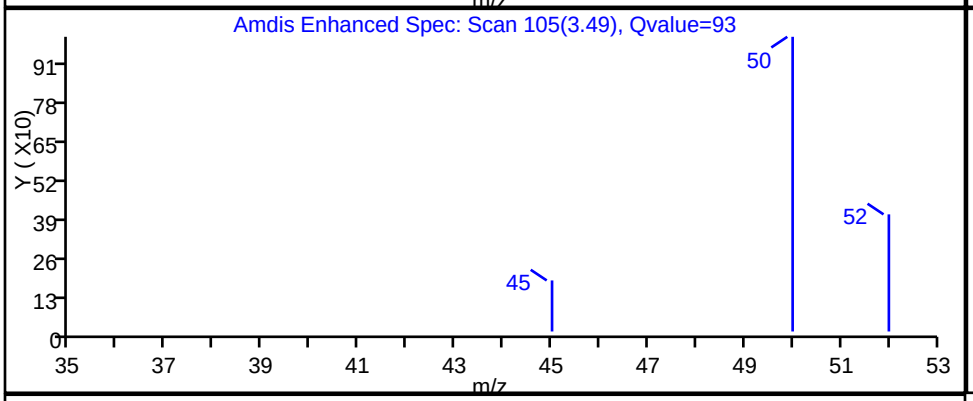
TestAmerica Burlington

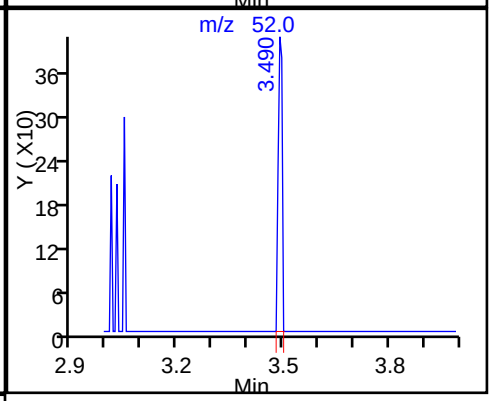
Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140804-8834.b\8834_026.D				
Injection Date:	05-Aug-2014 07:07:30	Instrument ID:	CHC.i		
Lims ID:	280-58004-A-2	Lab Sample ID:	200-58004-2		
Client ID:	786VMP0302LA				
Operator ID:	wrd	ALS Bottle#:	6	Worklist Smp#:	26
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

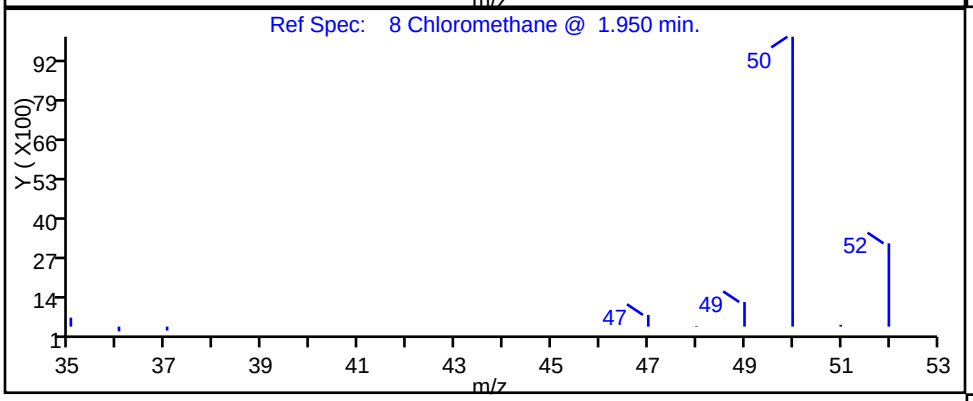
8 Chloromethane, CAS: 74-87-3

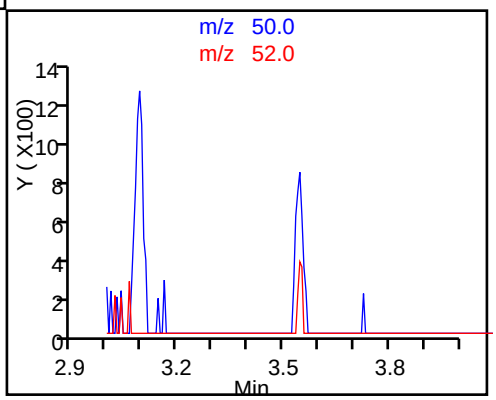










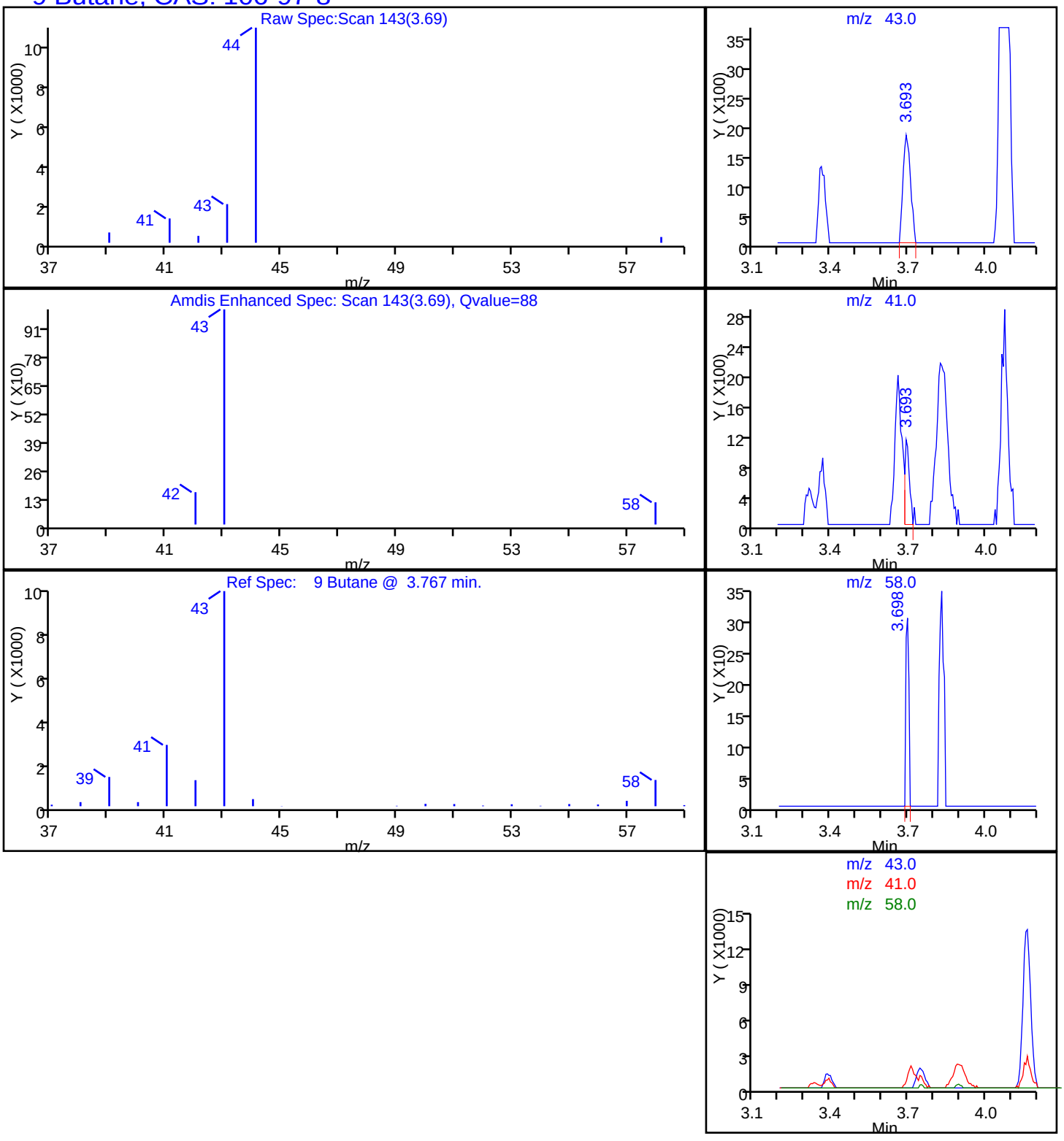


Report Date: 05-Aug-2014 08:50:12 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140804-8834.b\8834_026.D				
Injection Date:	05-Aug-2014 07:07:30	Instrument ID:	CHC.i		
Lims ID:	280-58004-A-2	Lab Sample ID:	200-58004-2		
Client ID:	786VMP0302LA				
Operator ID:	wrd	ALS Bottle#:	6	Worklist Smp#:	26
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

9 Butane, CAS: 106-97-8



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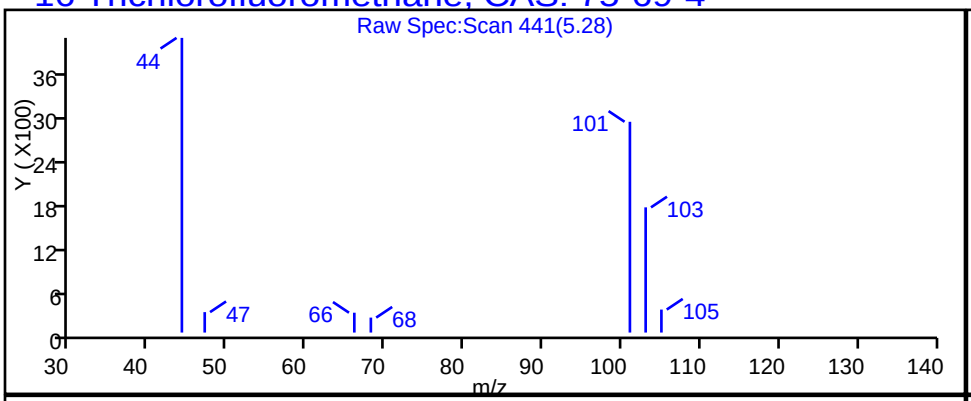
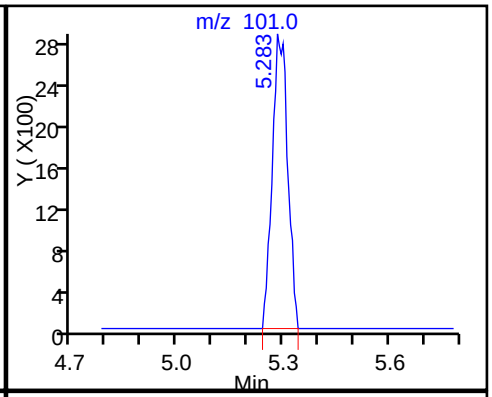
TestAmerica Burlington

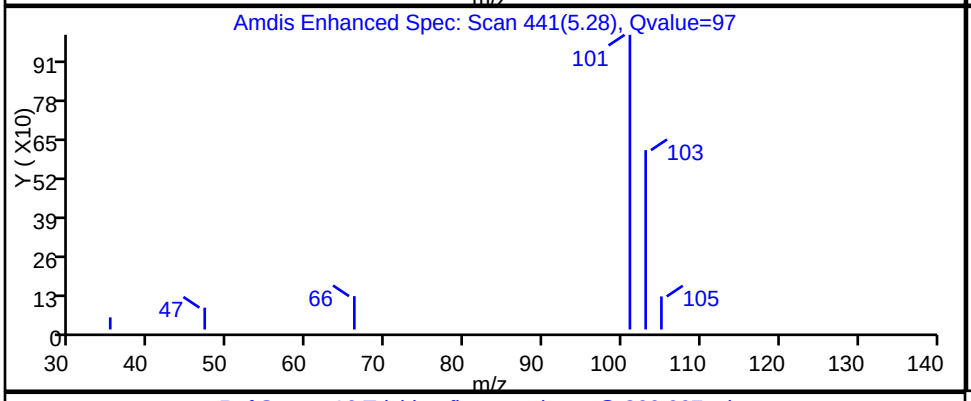
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140804-8834.b\8834_026.D

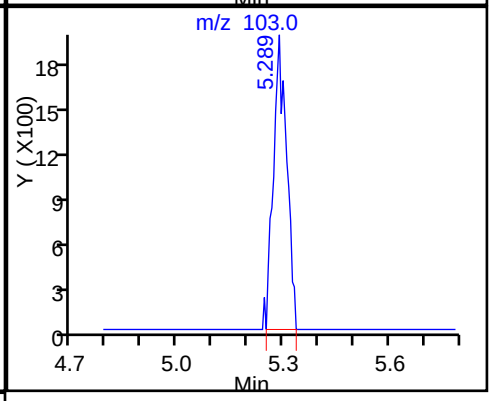
Injection Date:	05-Aug-2014 07:07:30	Instrument ID:	CHC.i		
Lims ID:	280-58004-A-2	Lab Sample ID:	200-58004-2		
Client ID:	786VMP0302LA				
Operator ID:	wrd	ALS Bottle#:	6	Worklist Smp#:	26
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

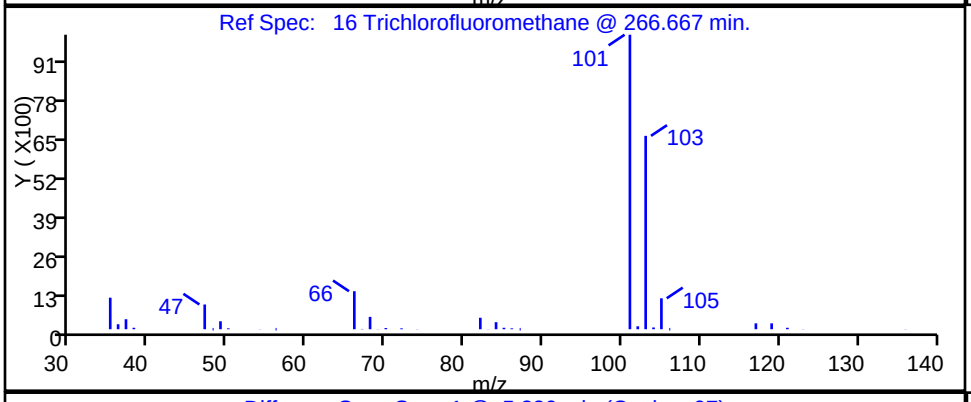
16 Trichlorofluoromethane, CAS: 75-69-4

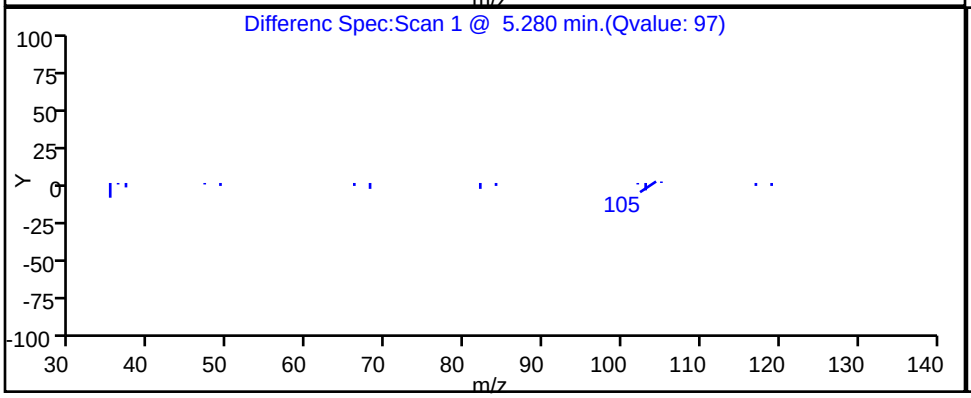


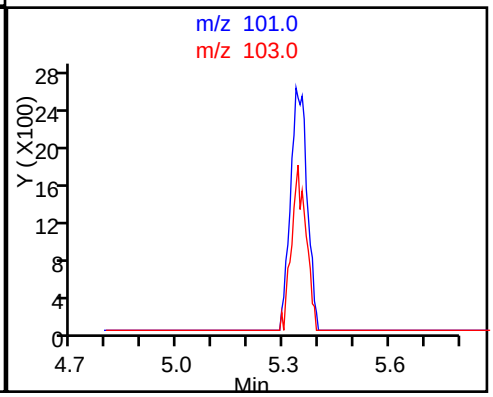












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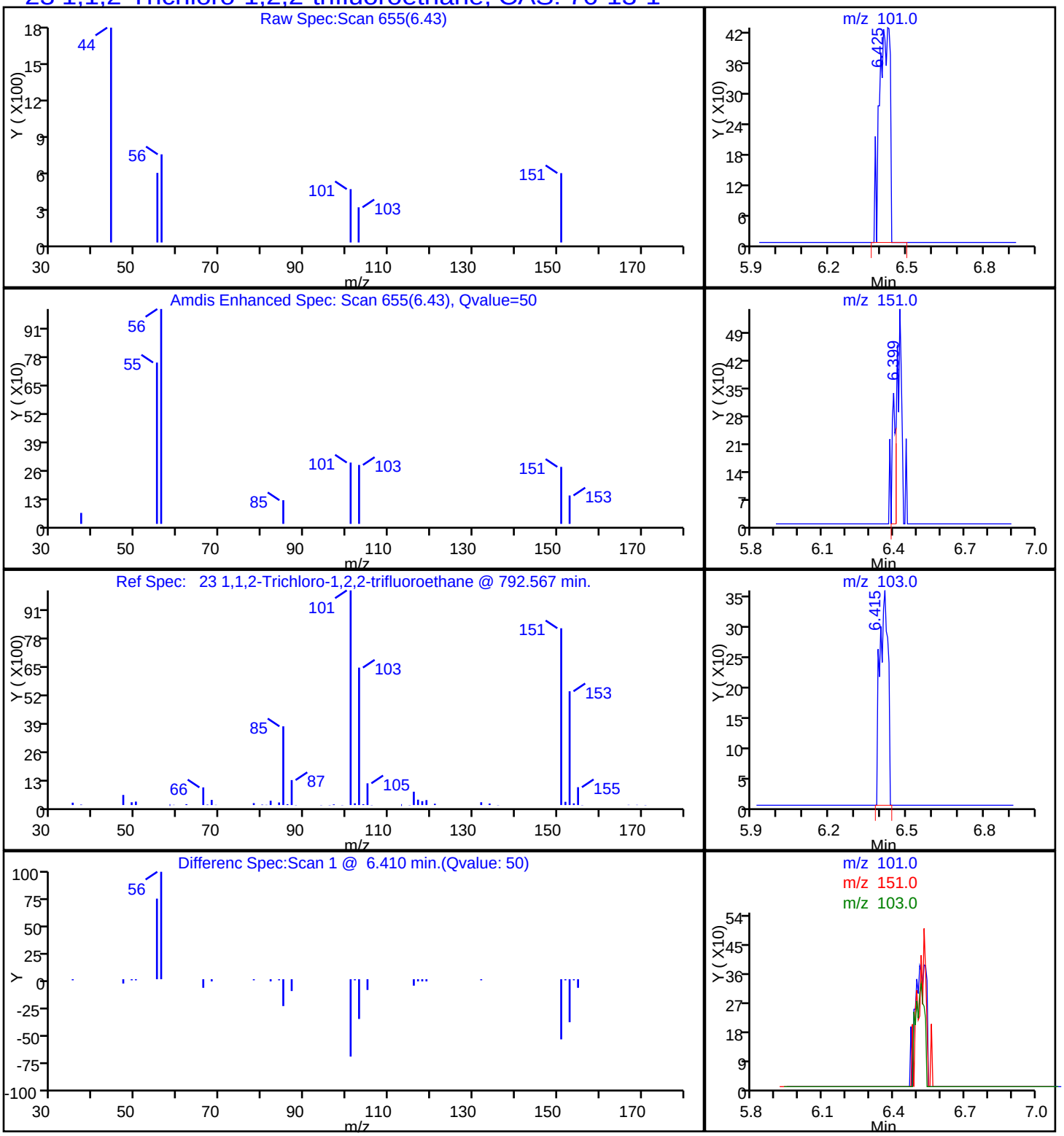
Operator ID:	wrd	ALS Bottle#:	6	Worklist Smp#:	26
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

23 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1



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Injection Date:	05-Aug-2014 07:07:30	Instrument ID:	CHC.i		
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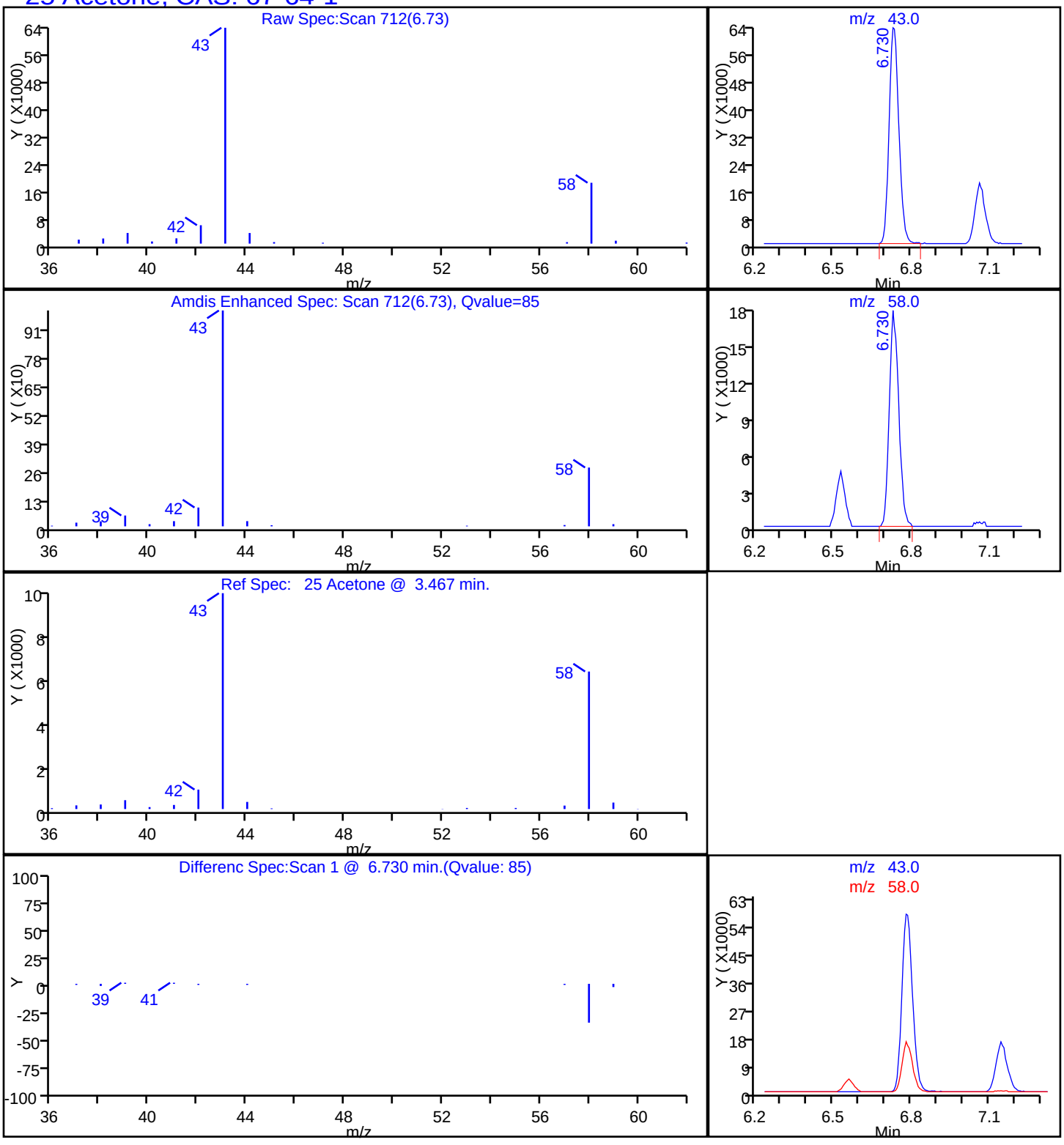
Operator ID:	wrd	ALS Bottle#:	6	Worklist Smp#:	26
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

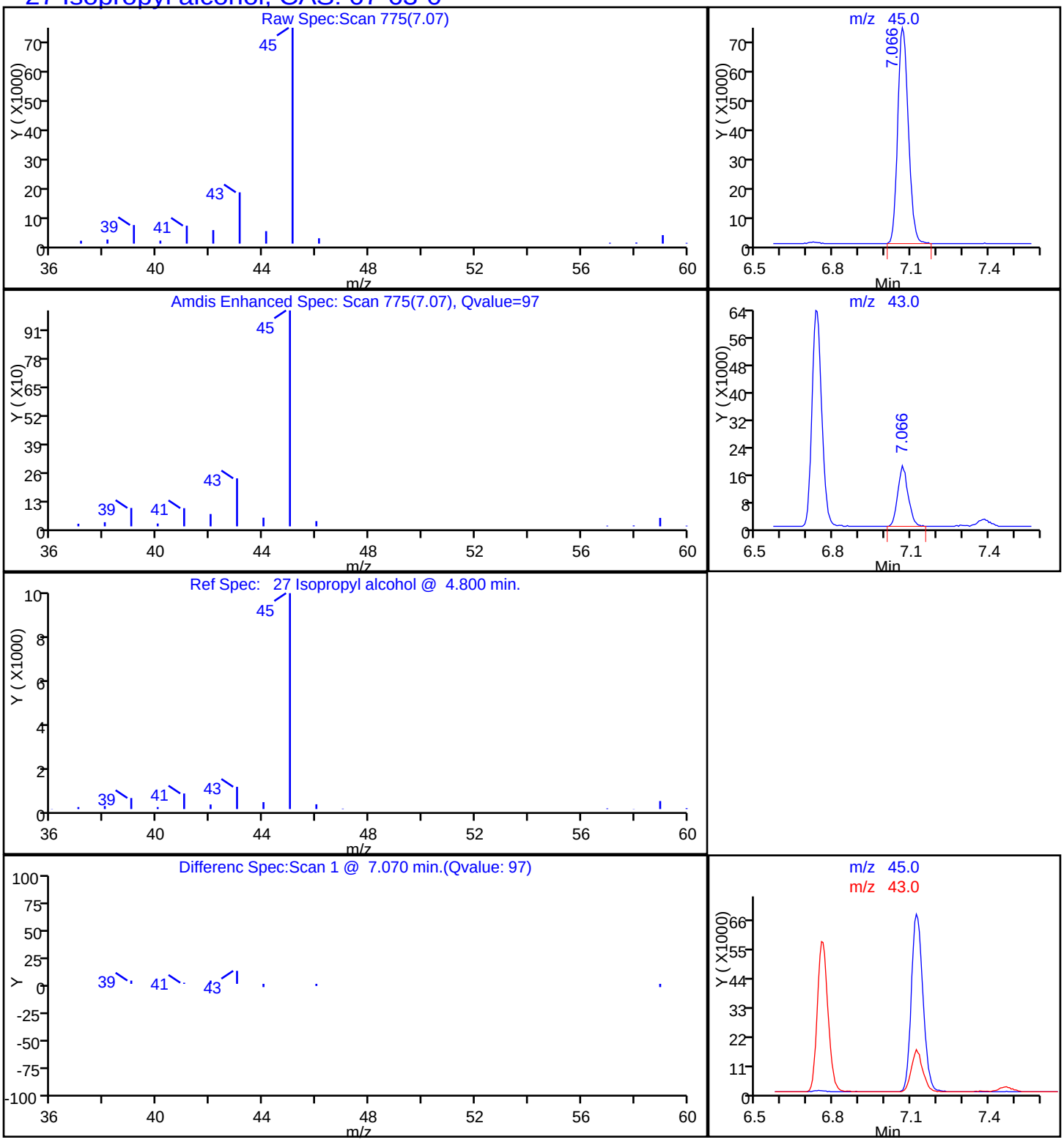
25 Acetone, CAS: 67-64-1



TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140804-8834.b\8834_026.D				
Injection Date:	05-Aug-2014 07:07:30	Instrument ID:	CHC.i		
Lims ID:	280-58004-A-2	Lab Sample ID:	200-58004-2		
Client ID:	786VMP0302LA				
Operator ID:	wrd	ALS Bottle#:	6	Worklist Smp#:	26
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

27 Isopropyl alcohol, CAS: 67-63-0



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Injection Date:	05-Aug-2014 07:07:30	Instrument ID:	CHC.i		
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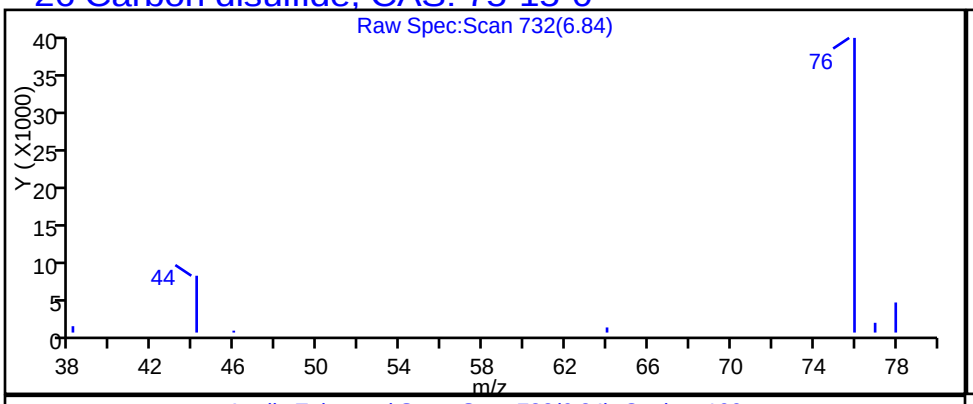
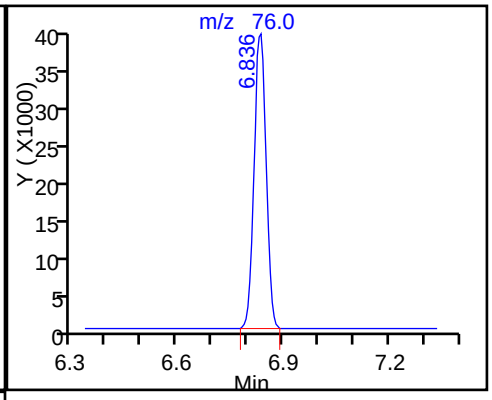
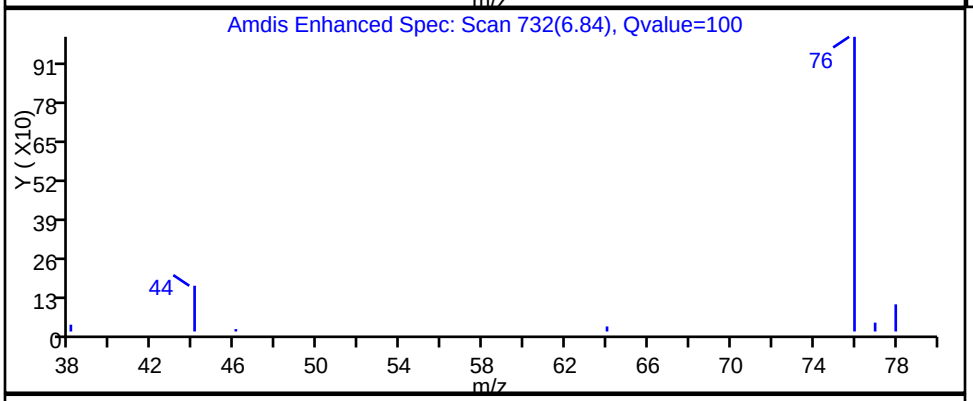
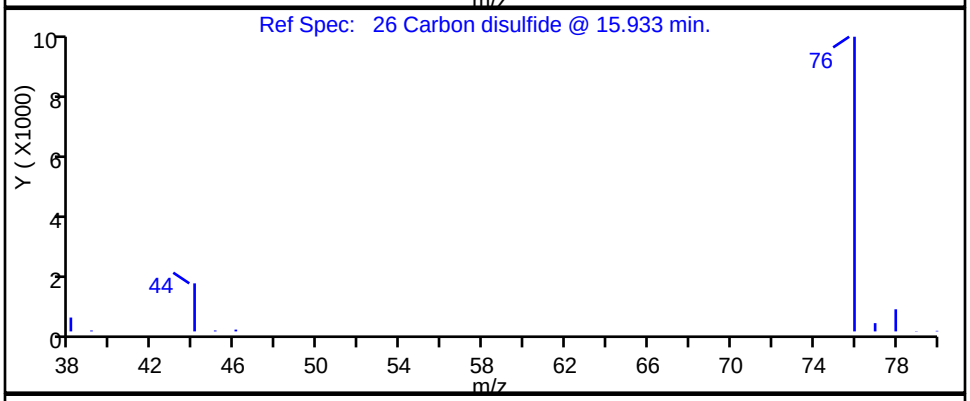
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

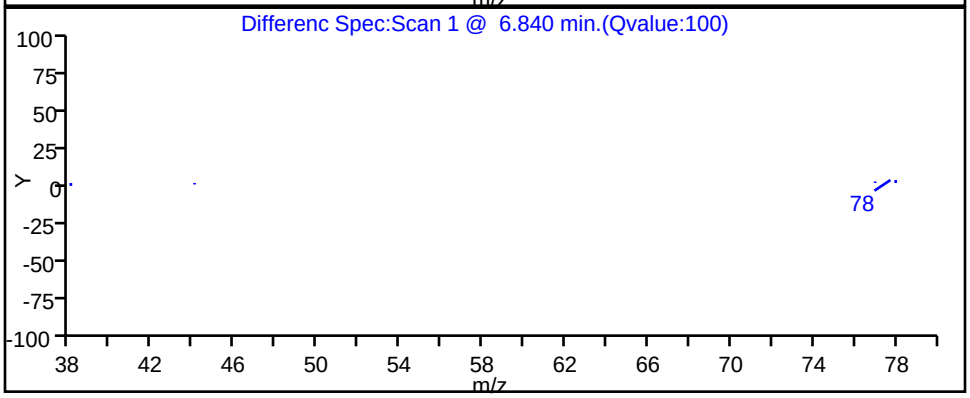
26 Carbon disulfide, CAS: 75-15-0











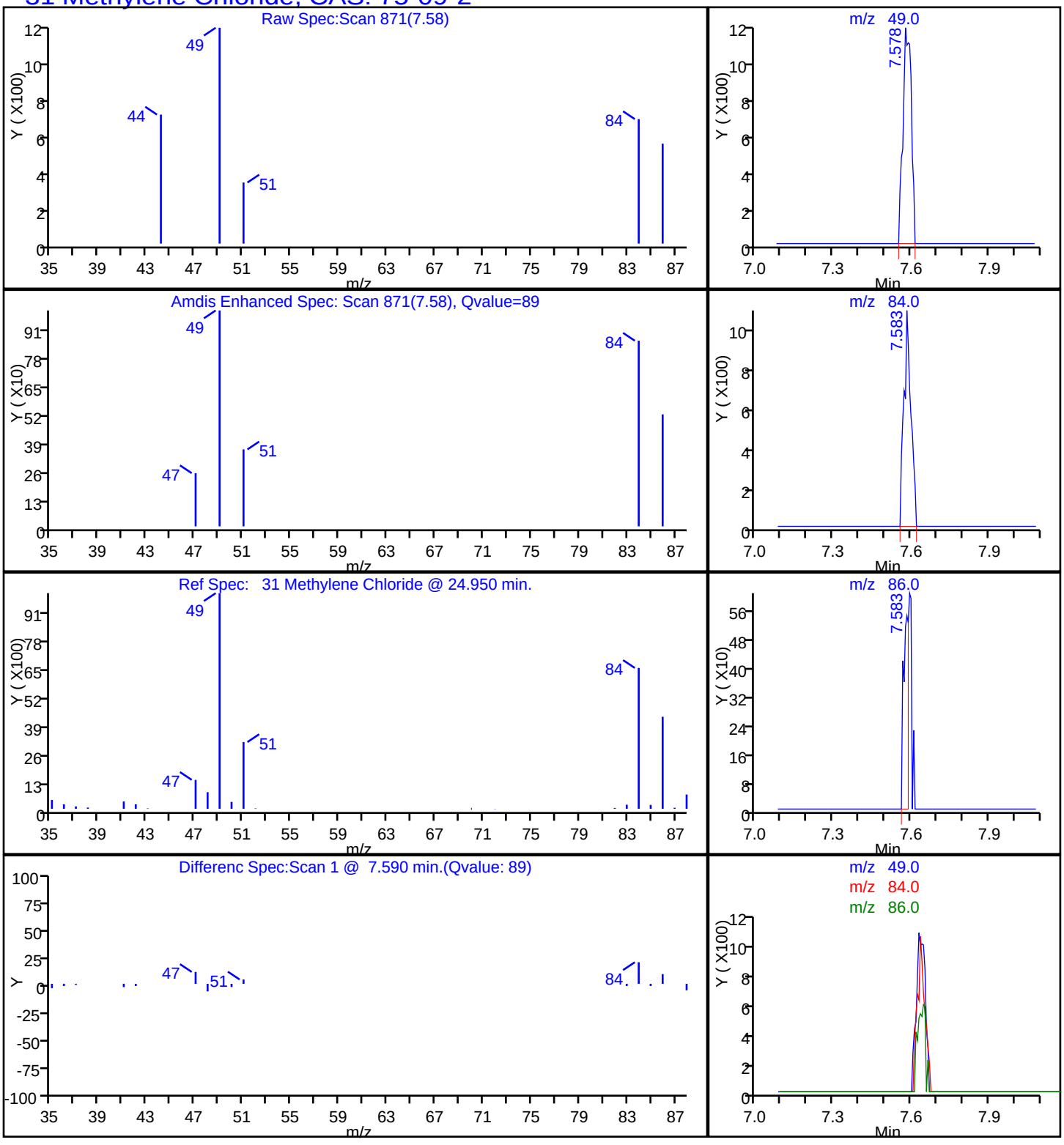
Report Date: 05-Aug-2014 08:50:12 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140804-8834.b\8834_026.D

Injection Date:	05-Aug-2014 07:07:30	Instrument ID:	CHC.i		
Lims ID:	280-58004-A-2	Lab Sample ID:	200-58004-2		
Client ID:	786VMP0302LA				
Operator ID:	wrd	ALS Bottle#:	6	Worklist Smp#:	26
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

31 Methylene Chloride, CAS: 75-09-2



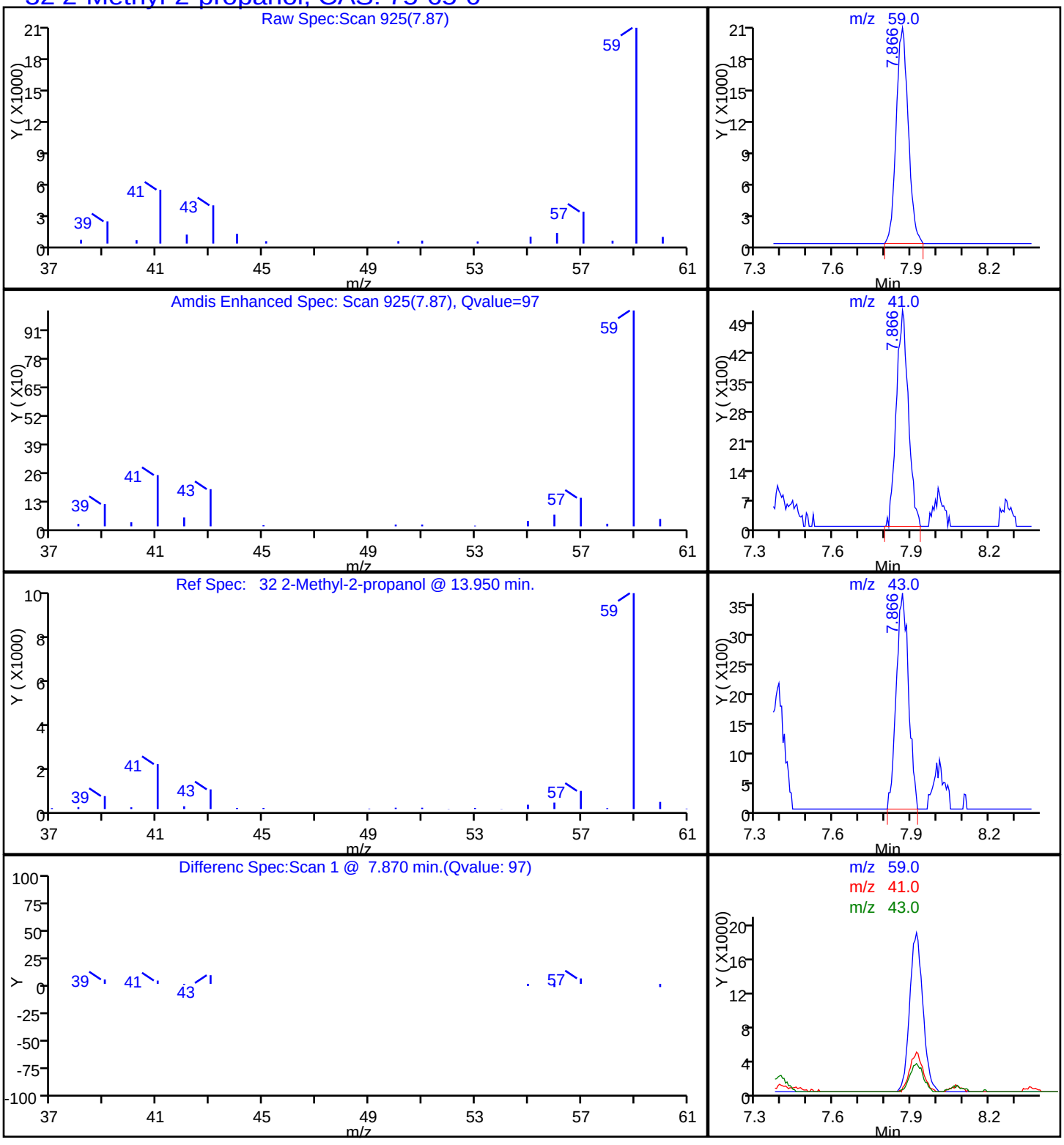
Report Date: 05-Aug-2014 08:50:12 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140804-8834.b\8834_026.D

Injection Date:	05-Aug-2014 07:07:30	Instrument ID:	CHC.i		
Lims ID:	280-58004-A-2	Lab Sample ID:	200-58004-2		
Client ID:	786VMP0302LA				
Operator ID:	wrd	ALS Bottle#:	6	Worklist Smp#:	26
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

32 2-Methyl-2-propanol, CAS: 75-65-0



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TestAmerica Burlington

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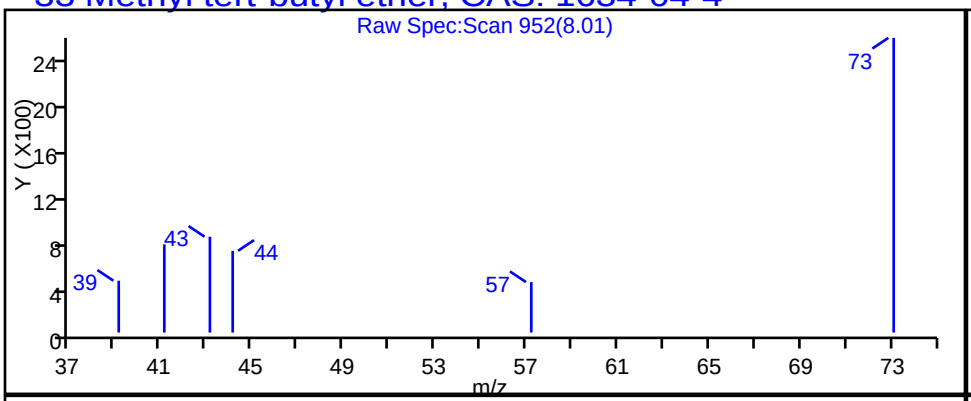
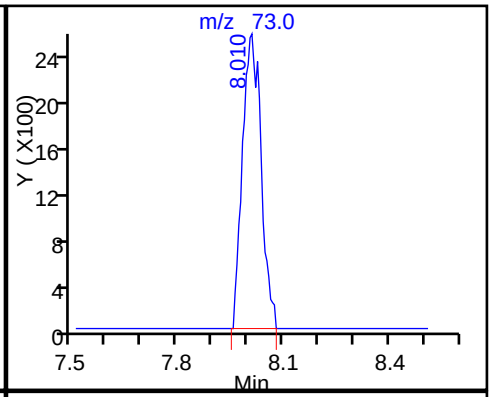
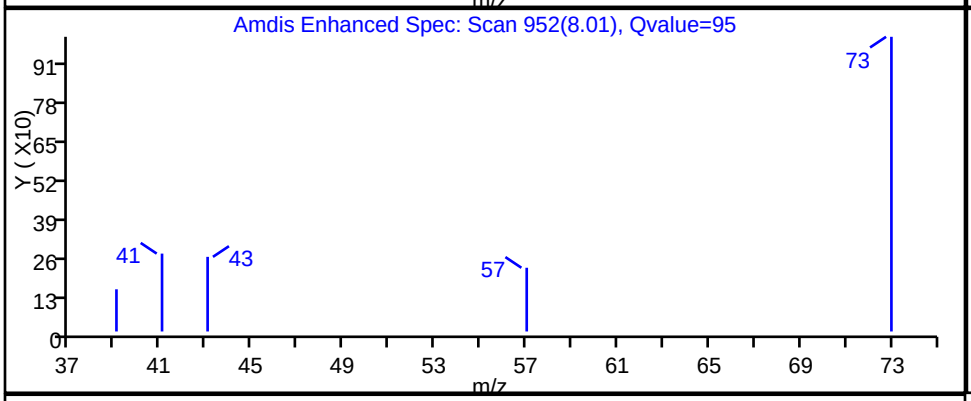
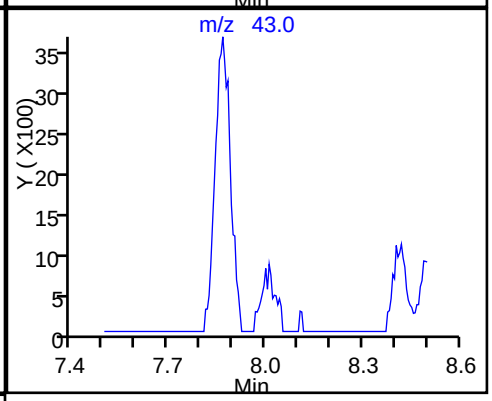
Client ID:	786VMP0302LA				
Operator ID:	wrd	ALS Bottle#:	6	Worklist Smp#:	26
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

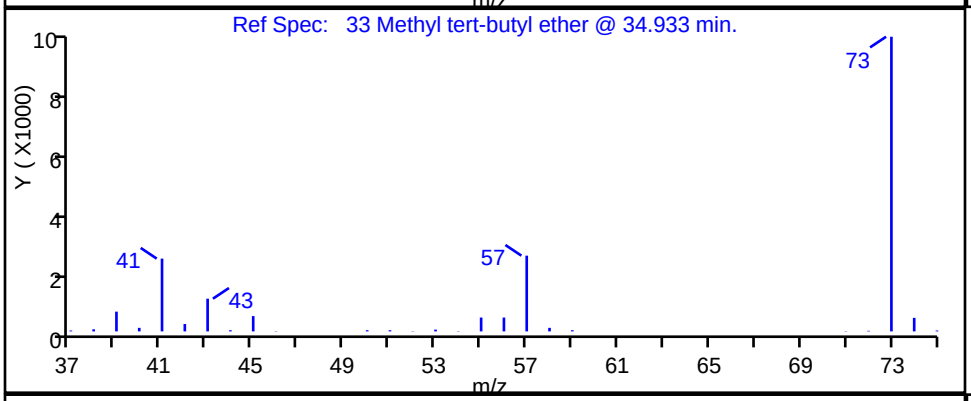
33 Methyl tert-butyl ether, CAS: 1634-04-4

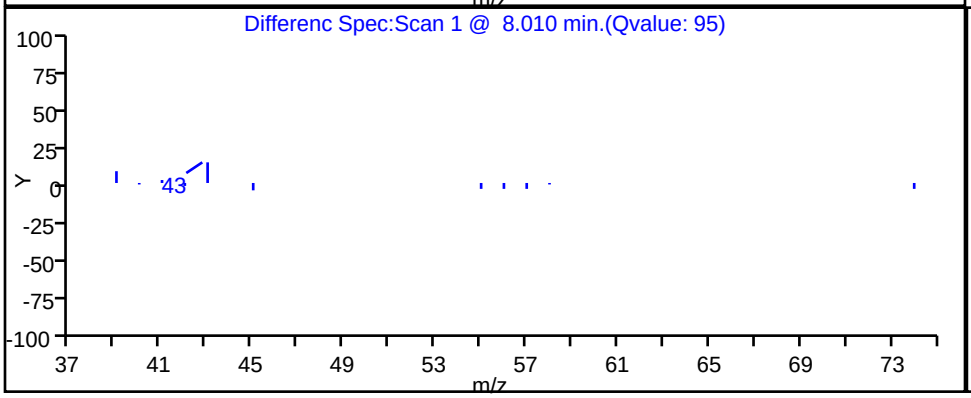


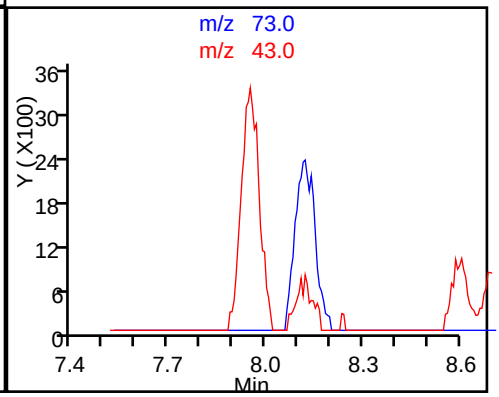












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TestAmerica Burlington

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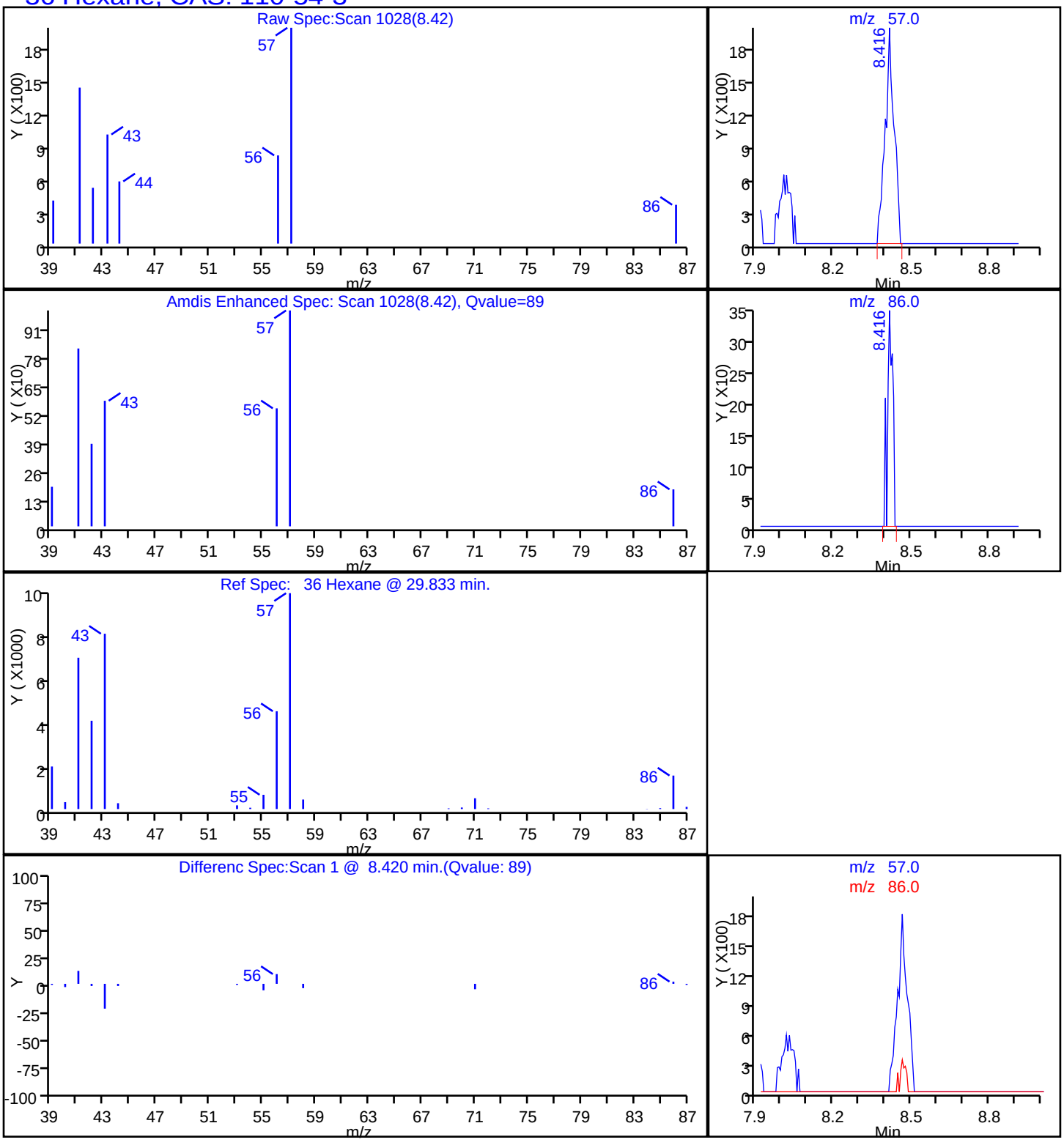
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

36 Hexane, CAS: 110-54-3



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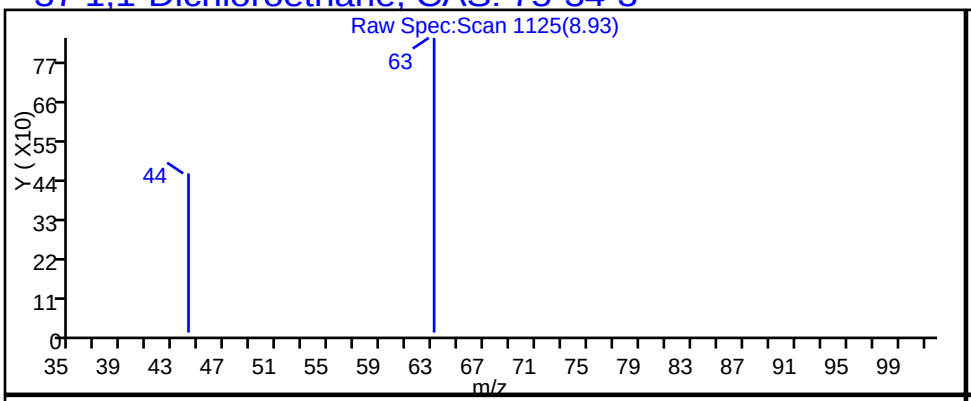
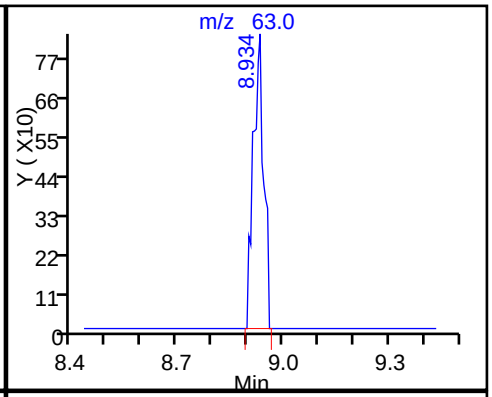
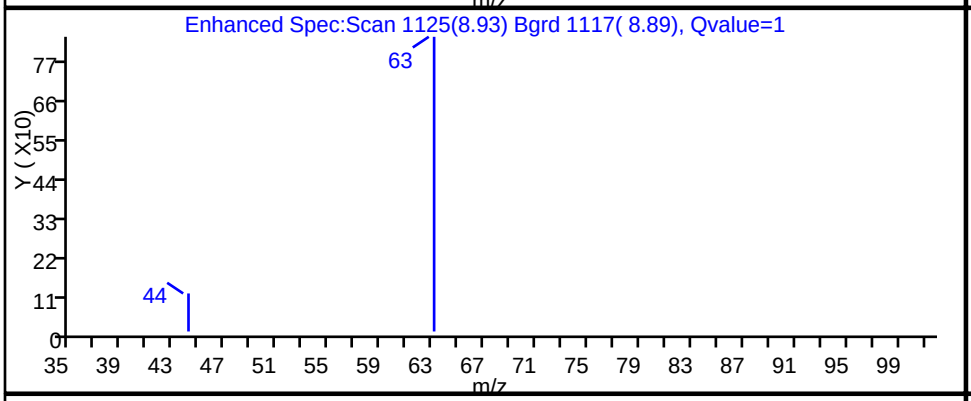
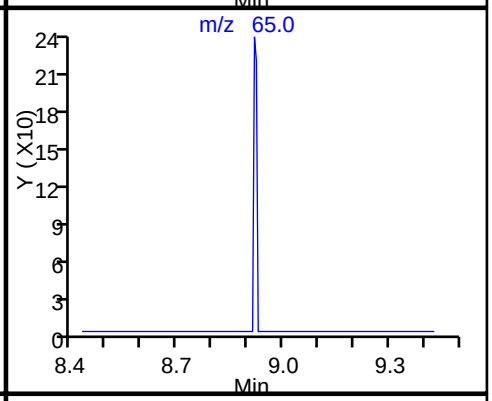
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

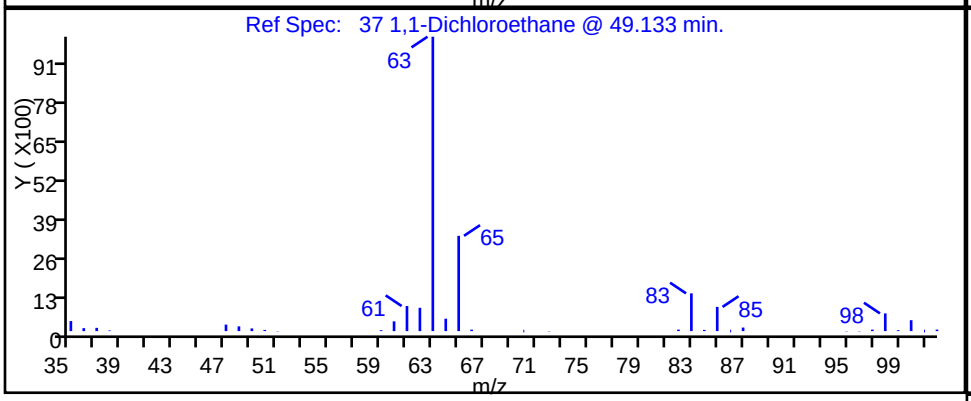
37 1,1-Dichloroethane, CAS: 75-34-3

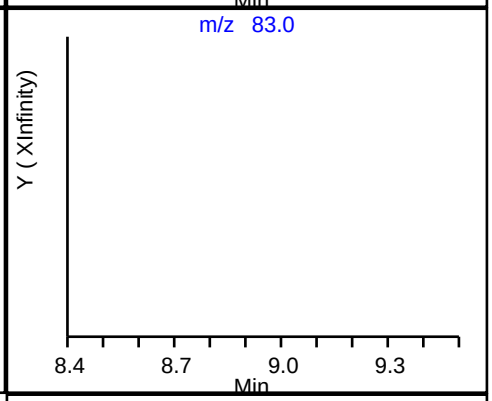


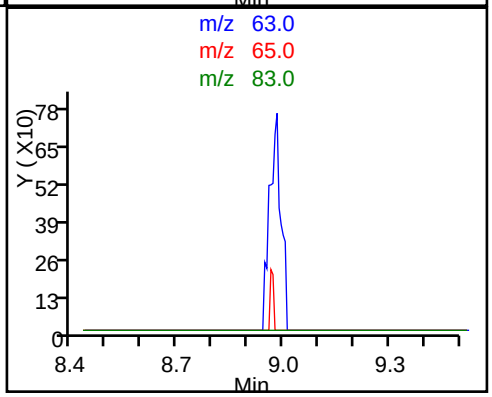












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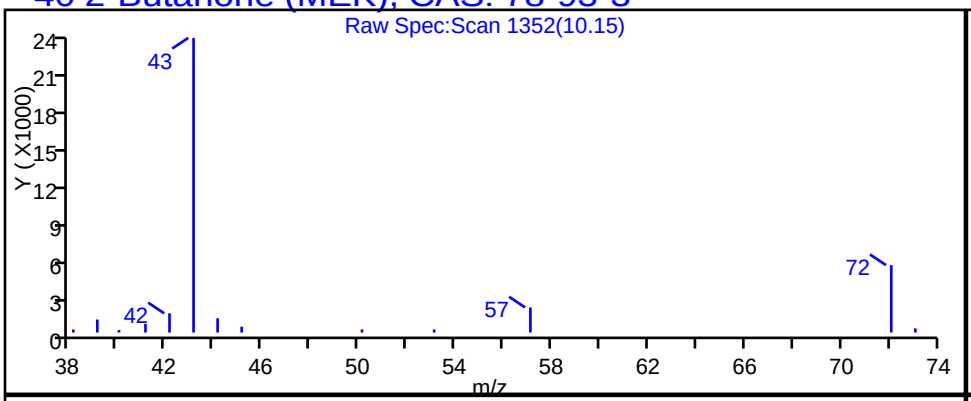
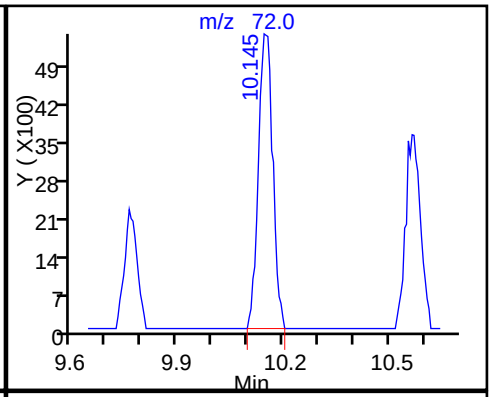
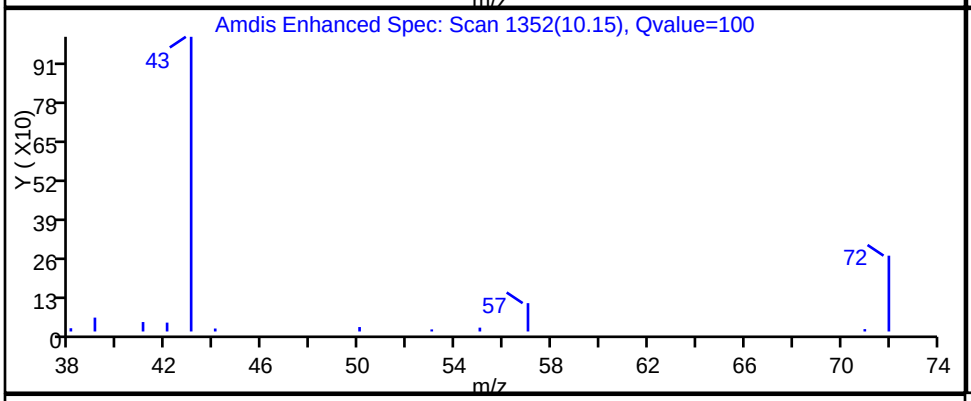
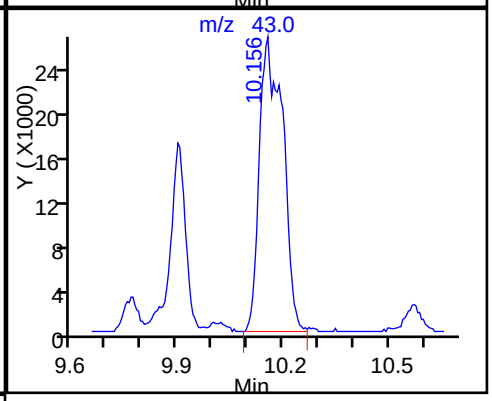
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

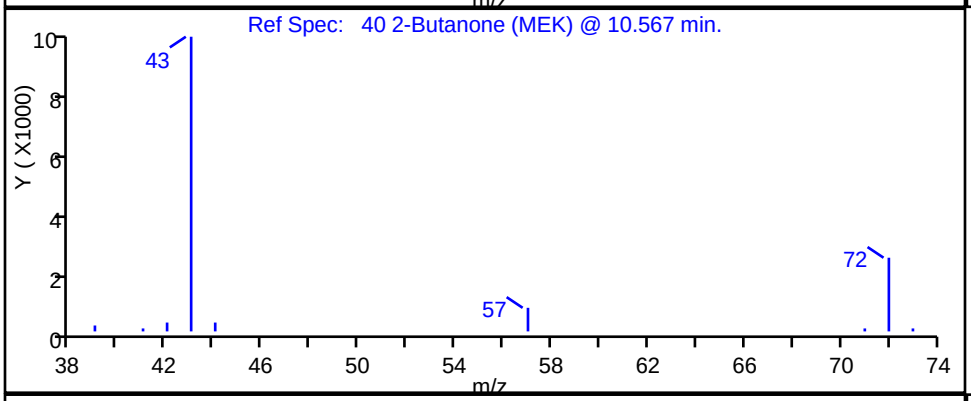
40 2-Butanone (MEK), CAS: 78-93-3

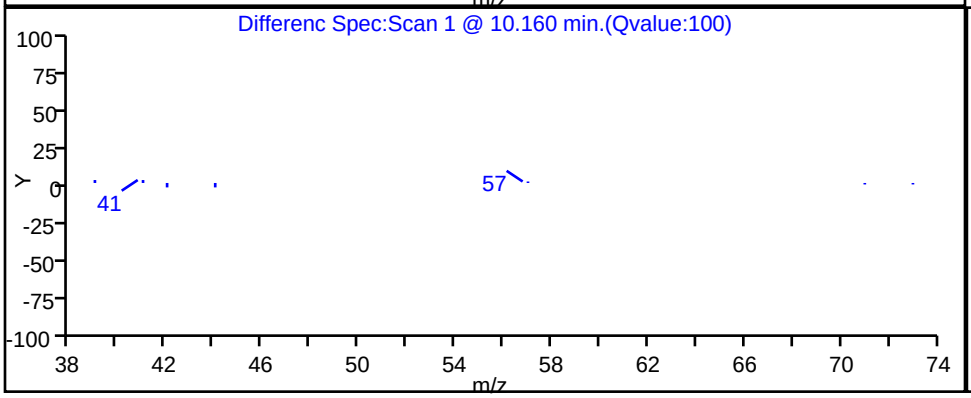


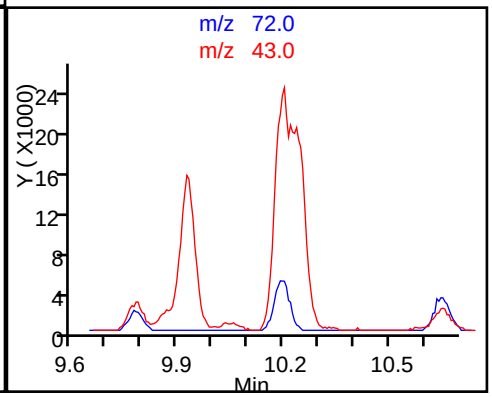












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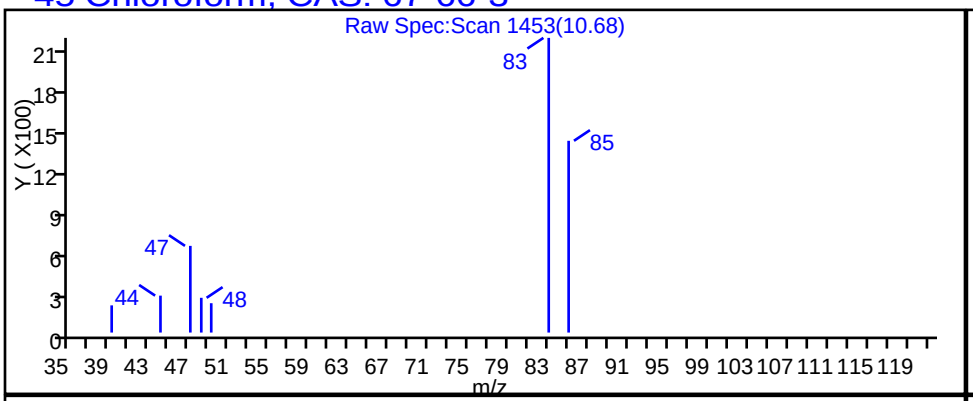
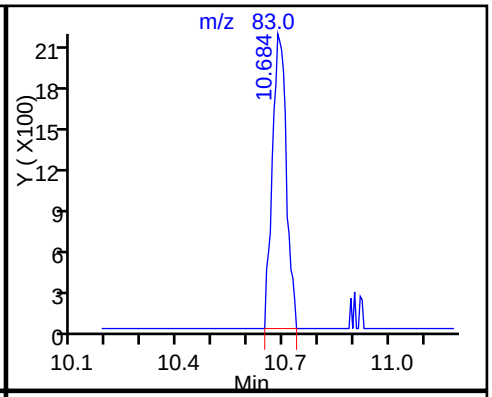
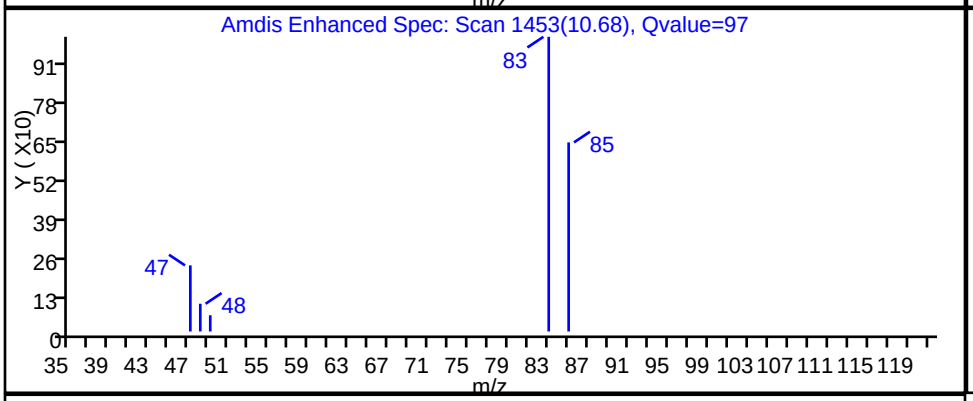
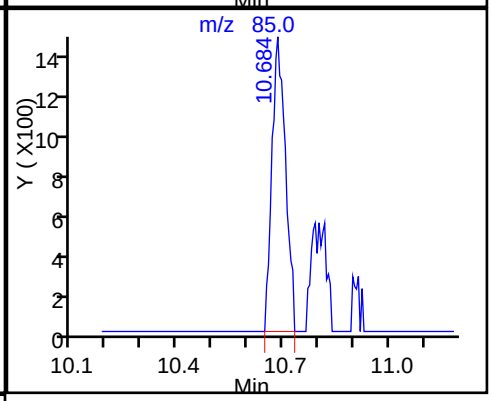
Operator ID:	wrd	ALS Bottle#:	6	Worklist Smp#:	26
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

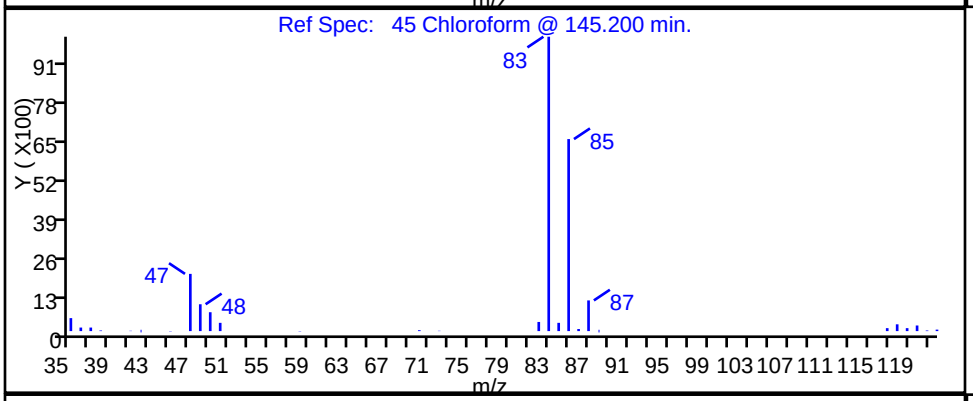
45 Chloroform, CAS: 67-66-3

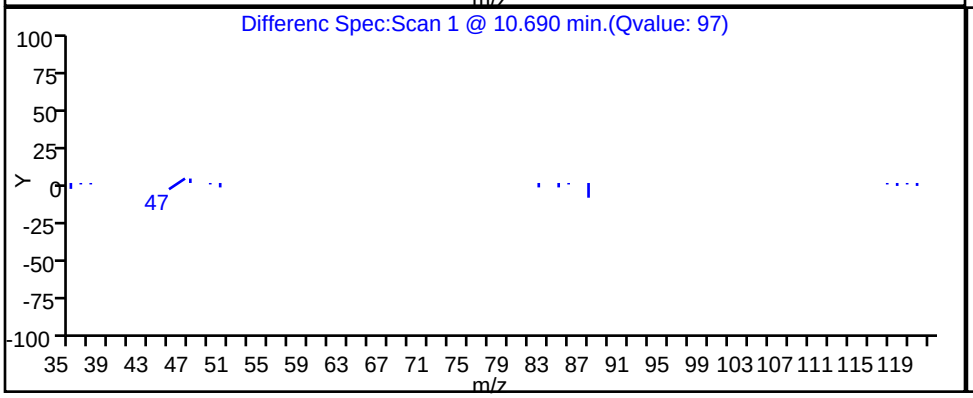


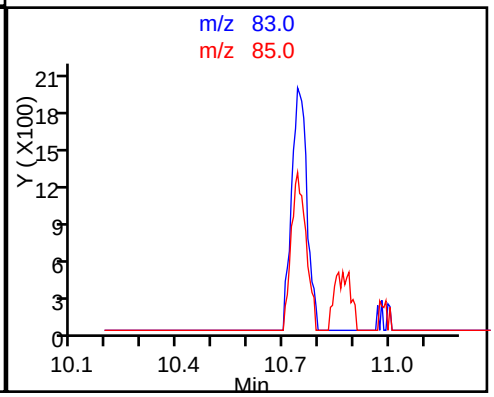












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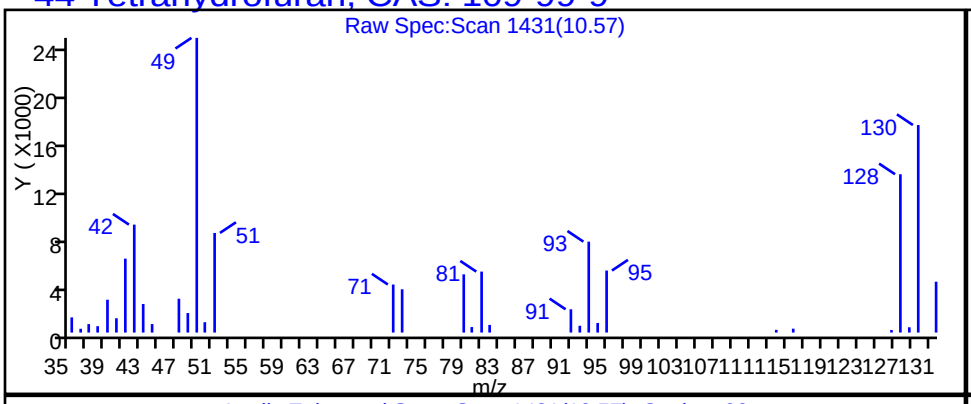
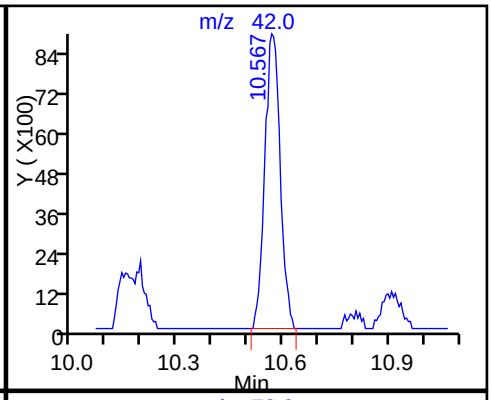
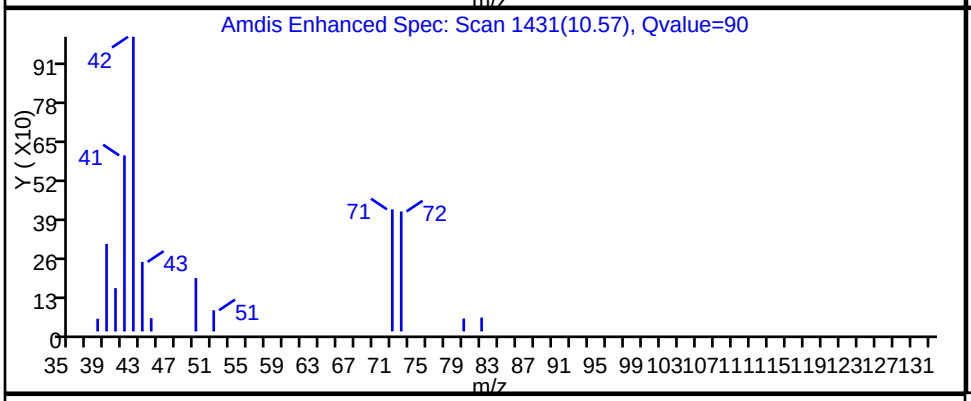
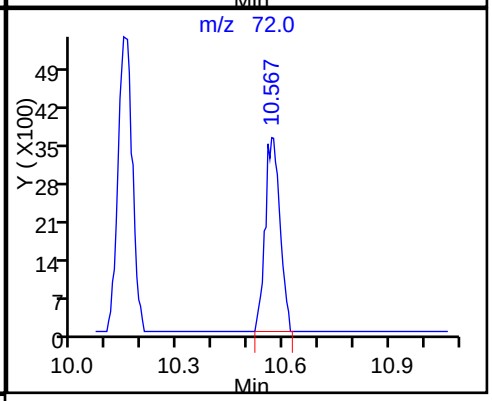
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

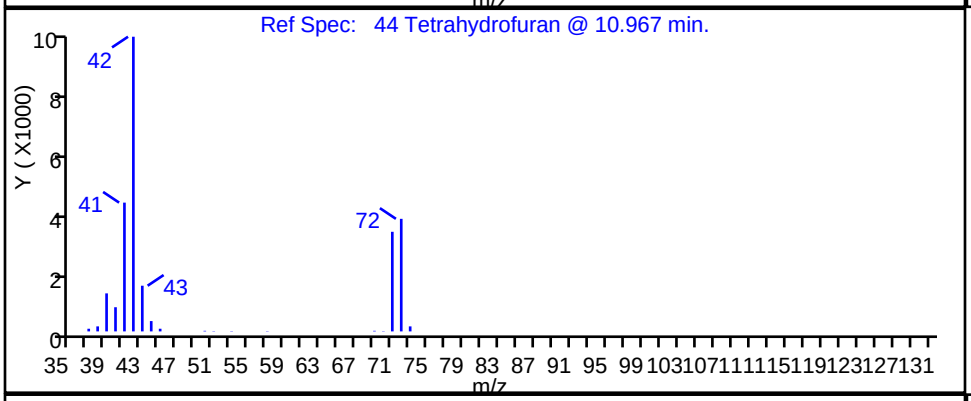
44 Tetrahydrofuran, CAS: 109-99-9

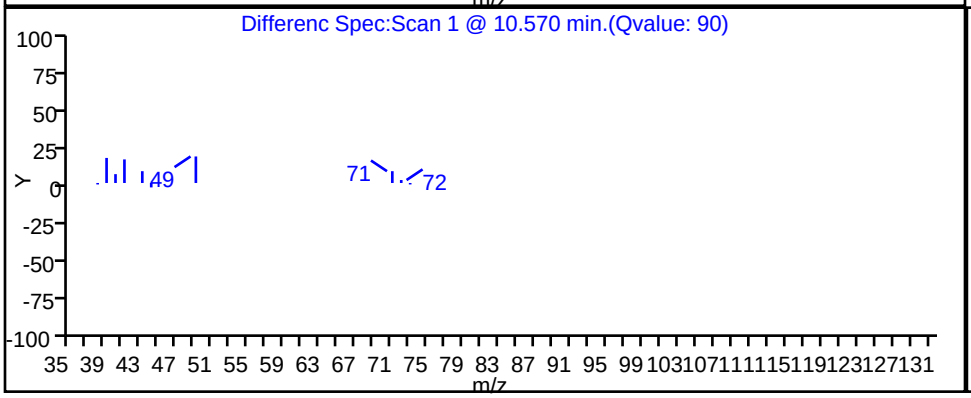


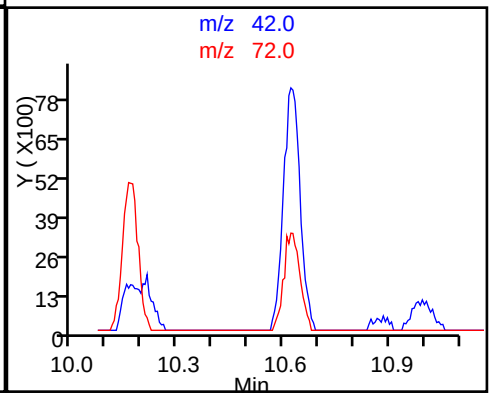












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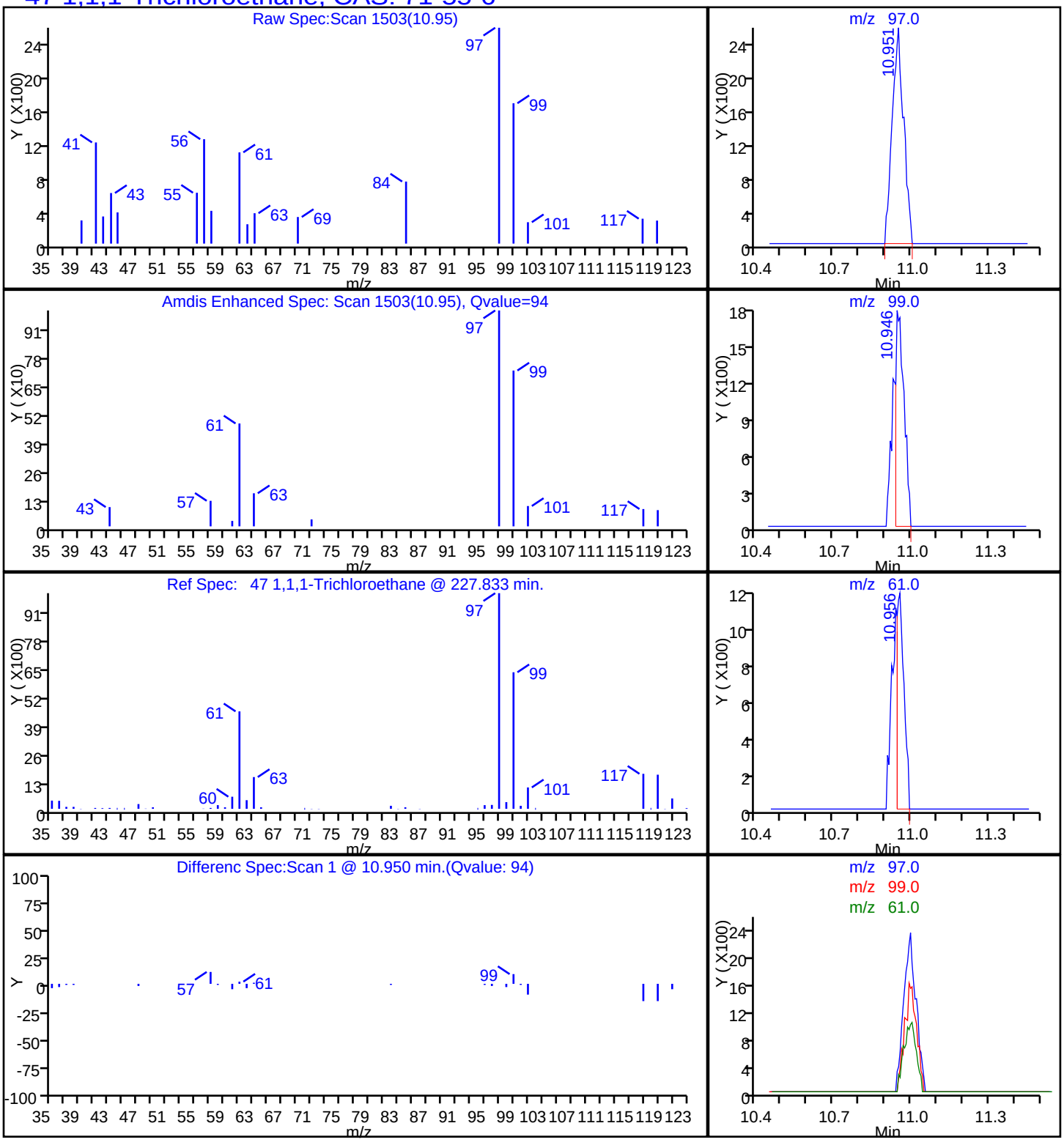
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

47 1,1,1-Trichloroethane, CAS: 71-55-6



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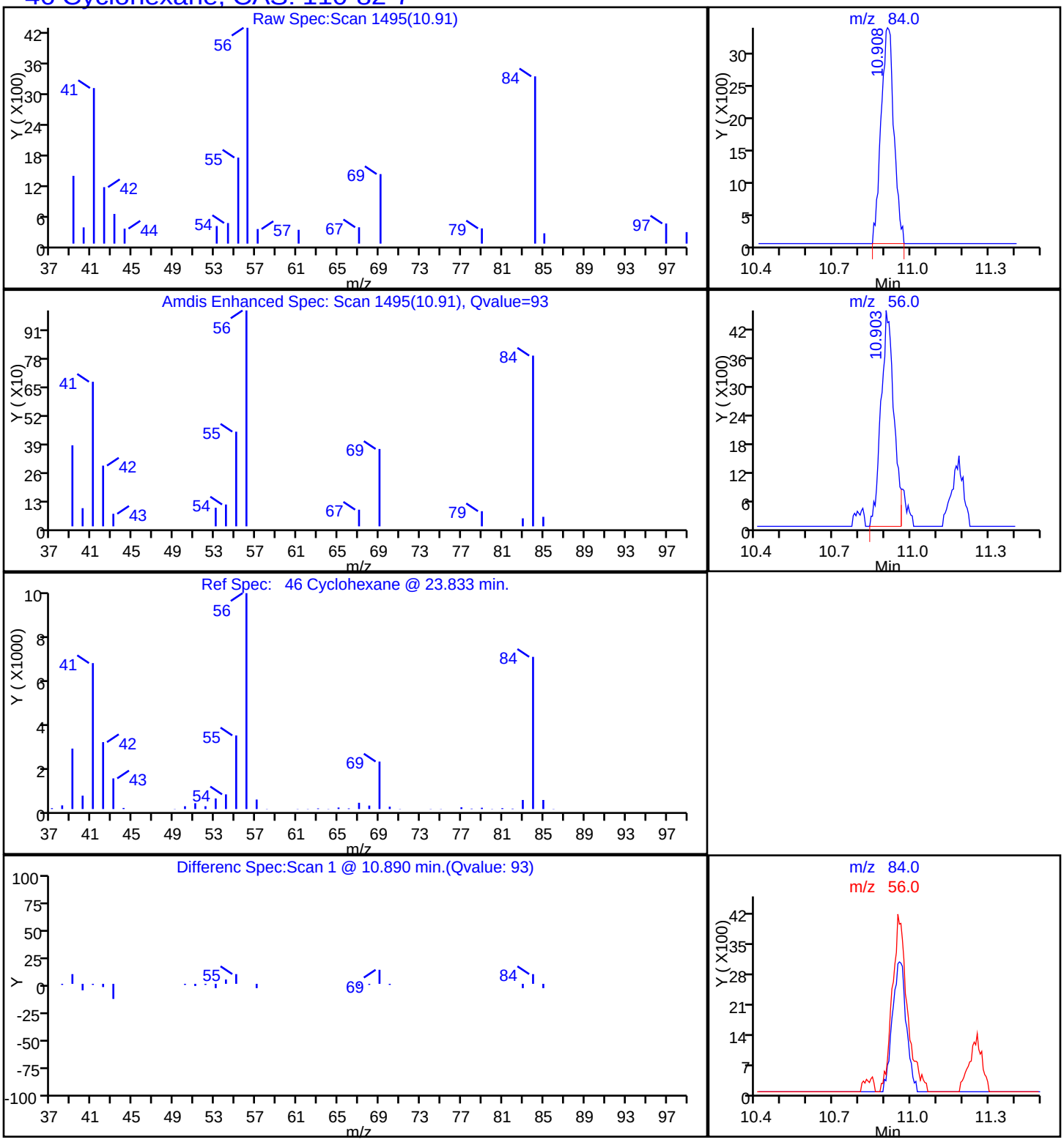
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

46 Cyclohexane, CAS: 110-82-7



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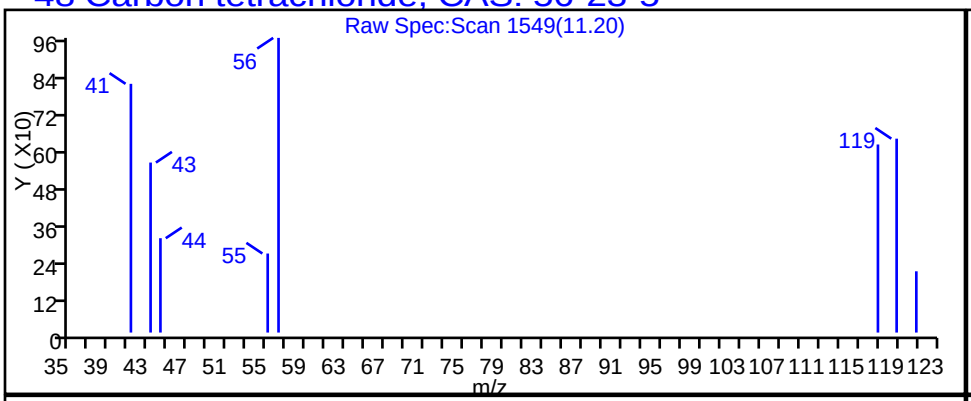
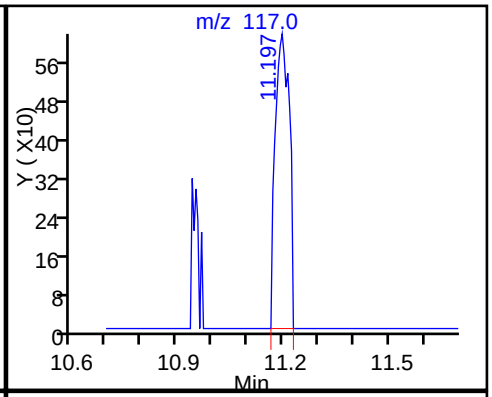
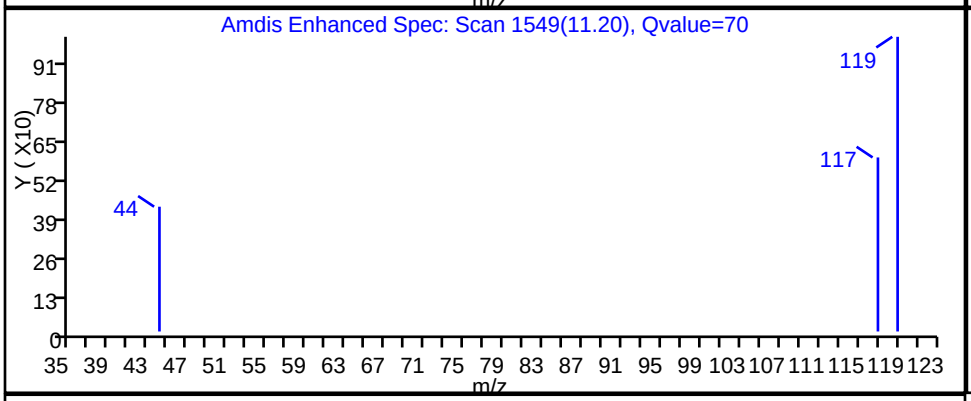
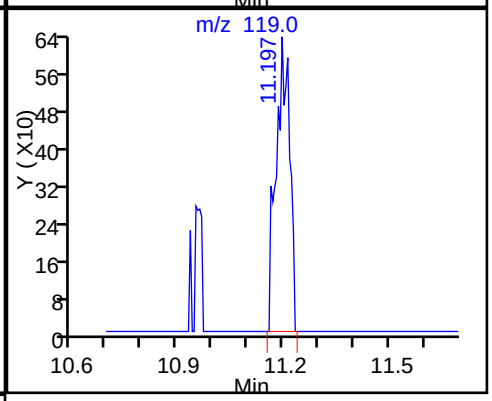
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

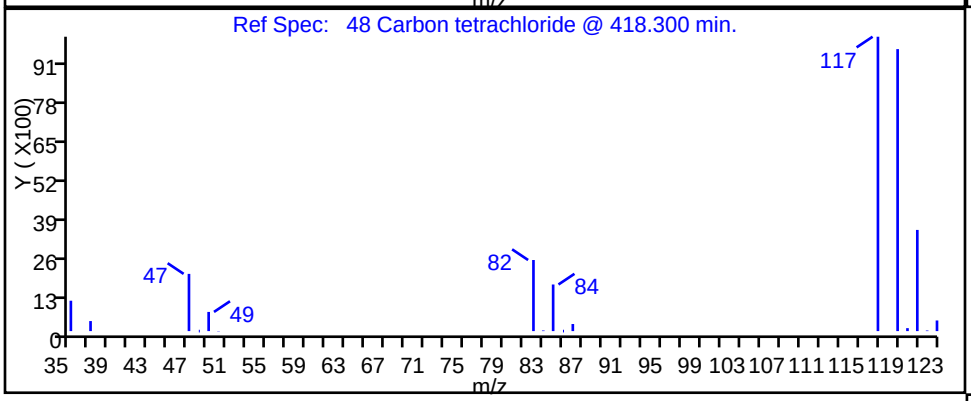
48 Carbon tetrachloride, CAS: 56-23-5

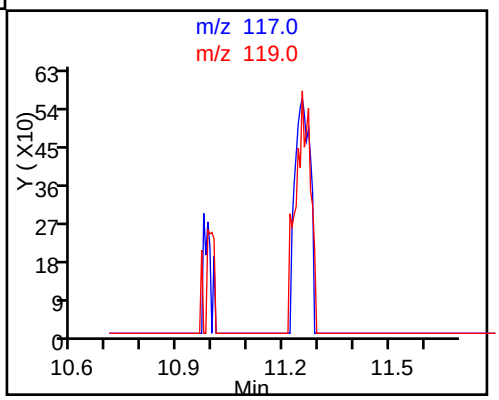












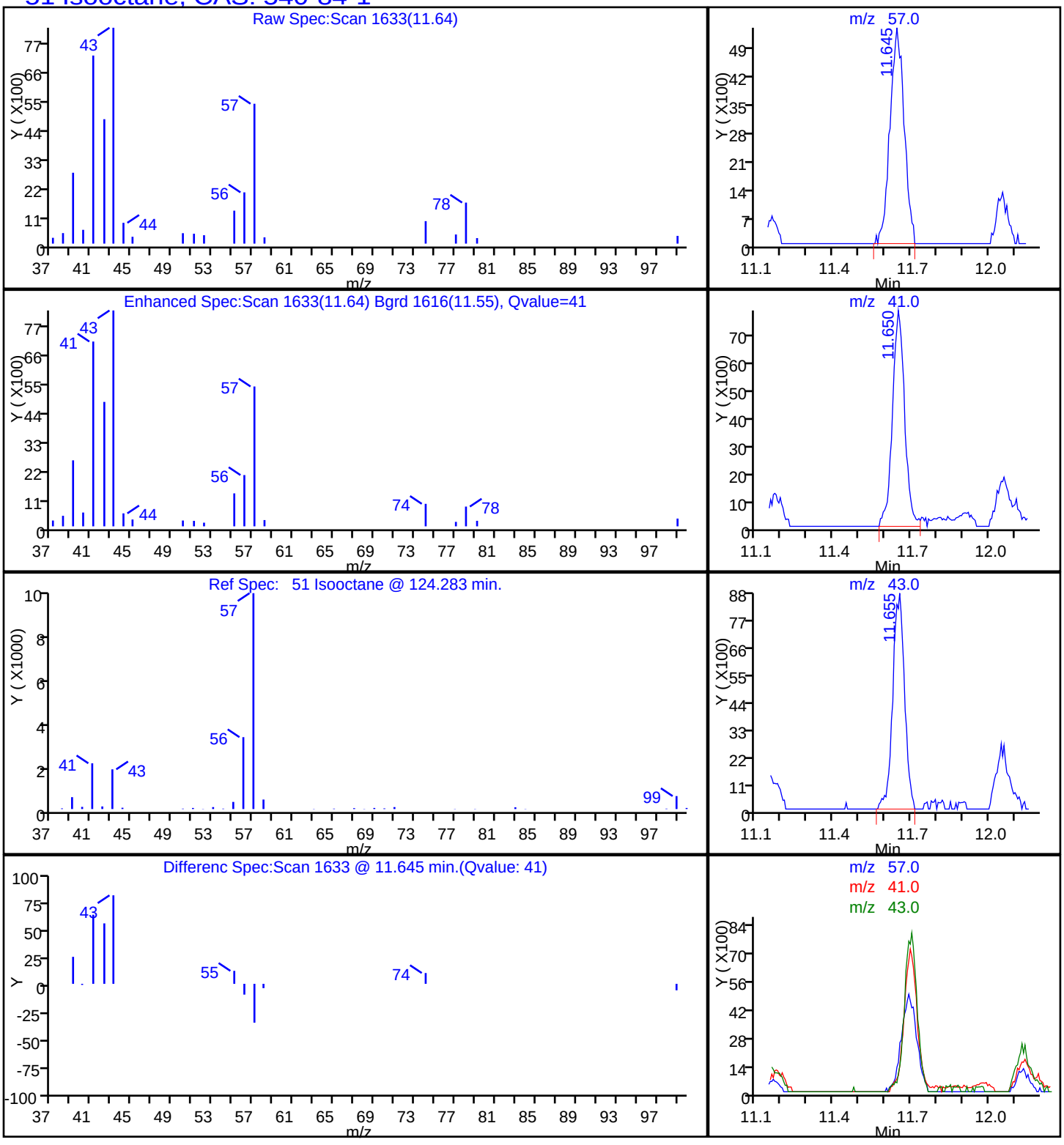
Report Date: 05-Aug-2014 08:50:12 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140804-8834.b\8834_026.D

Injection Date:	05-Aug-2014 07:07:30	Instrument ID:	CHC.i		
Lims ID:	280-58004-A-2	Lab Sample ID:	200-58004-2		
Client ID:	786VMP0302LA				
Operator ID:	wrd	ALS Bottle#:	6	Worklist Smp#:	26
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

51 Isooctane, CAS: 540-84-1

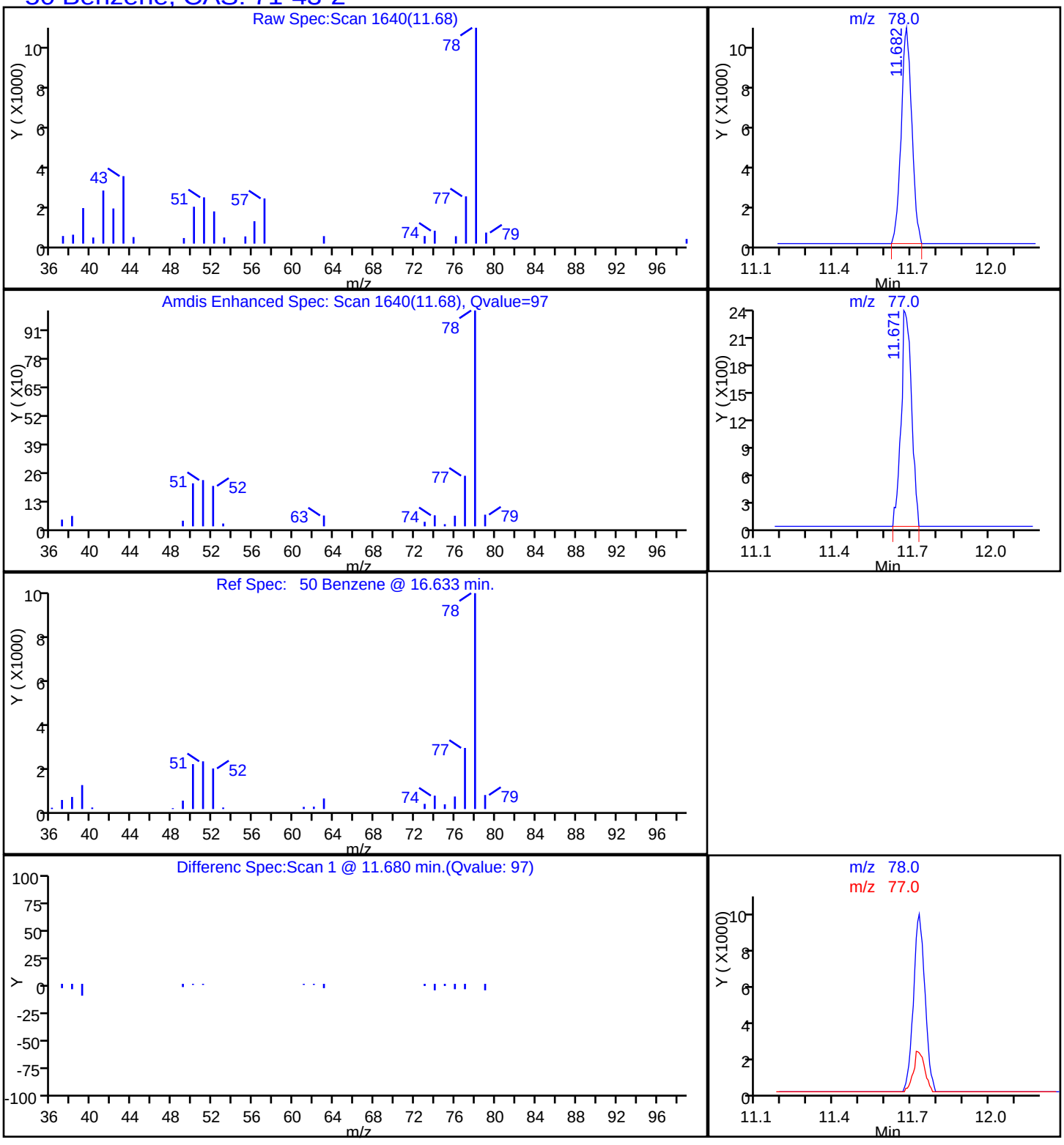


Report Date: 05-Aug-2014 08:50:12 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140804-8834.b\8834_026.D				
Injection Date:	05-Aug-2014 07:07:30	Instrument ID:	CHC.i		
Lims ID:	280-58004-A-2	Lab Sample ID:	200-58004-2		
Client ID:	786VMP0302LA				
Operator ID:	wrd	ALS Bottle#:	6	Worklist Smp#:	26
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

50 Benzene, CAS: 71-43-2



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TestAmerica Burlington

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Injection Date:	05-Aug-2014 07:07:30	Instrument ID:	CHC.i		
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Client ID:	786VMP0302LA				
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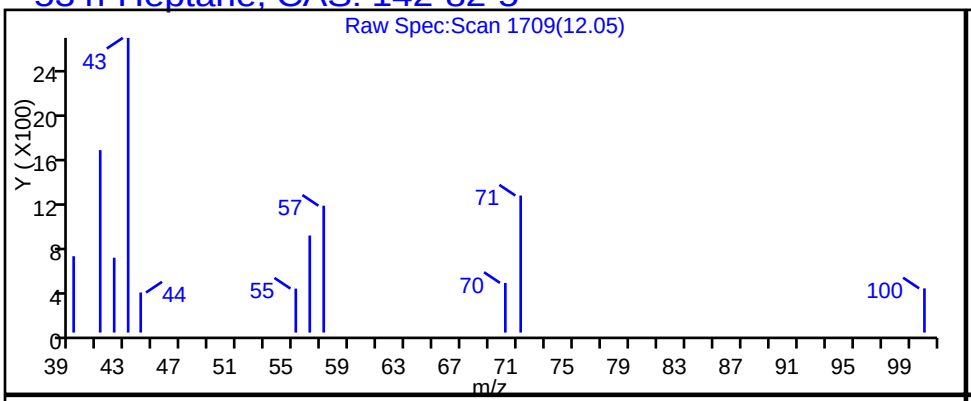
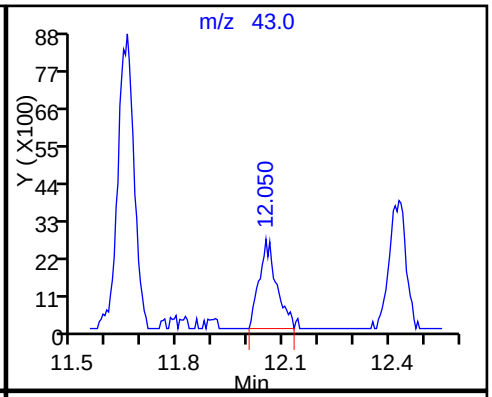
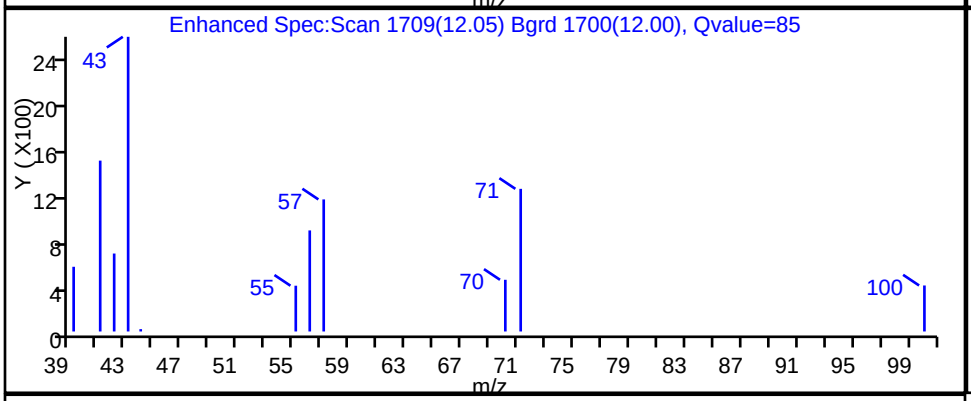
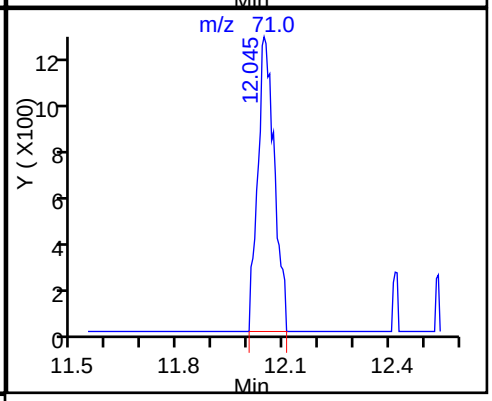
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

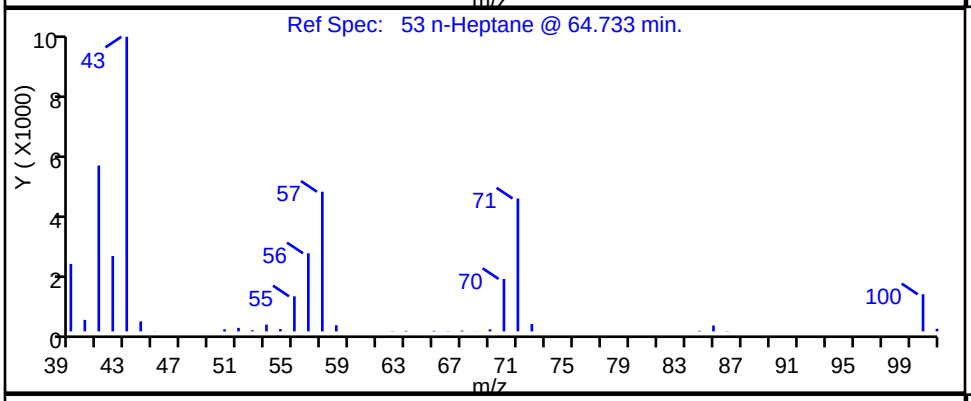
53 n-Heptane, CAS: 142-82-5

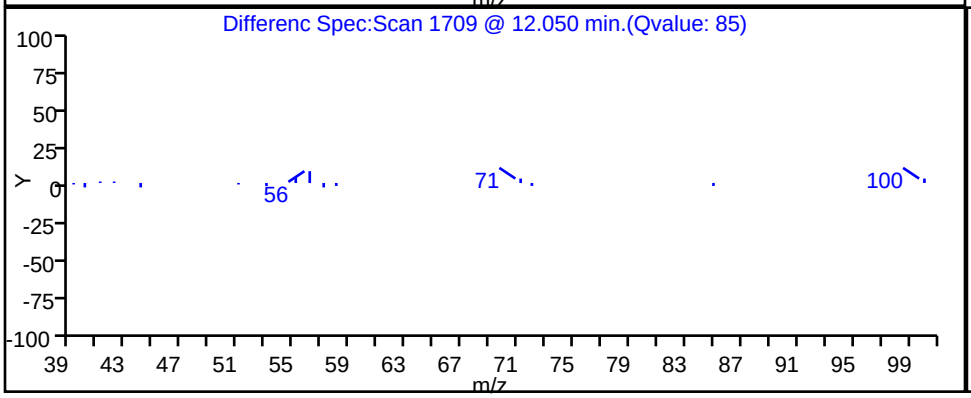


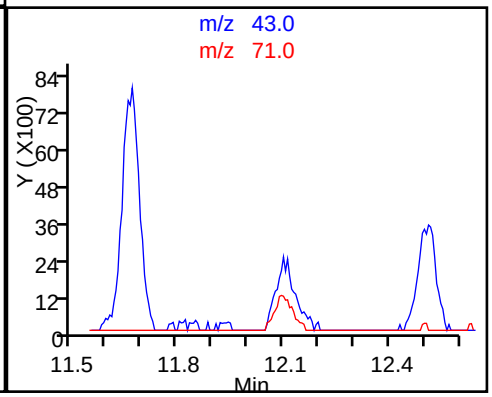












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TestAmerica Burlington

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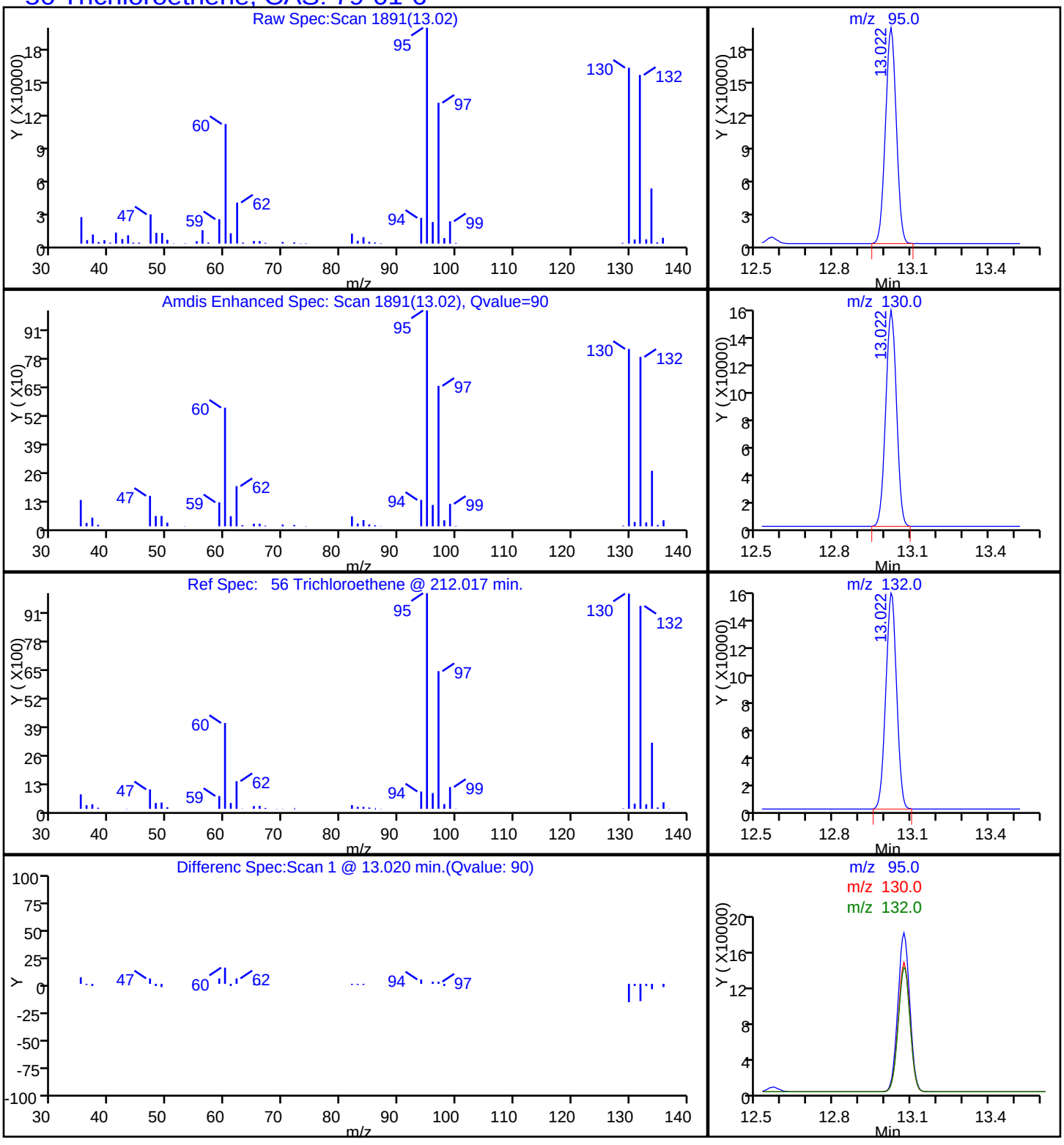
Client ID:	786VMP0302LA				
Operator ID:	wrd	ALS Bottle#:	6	Worklist Smp#:	26
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

56 Trichloroethene, CAS: 79-01-6



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TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140804-8834.b\8834_026.D

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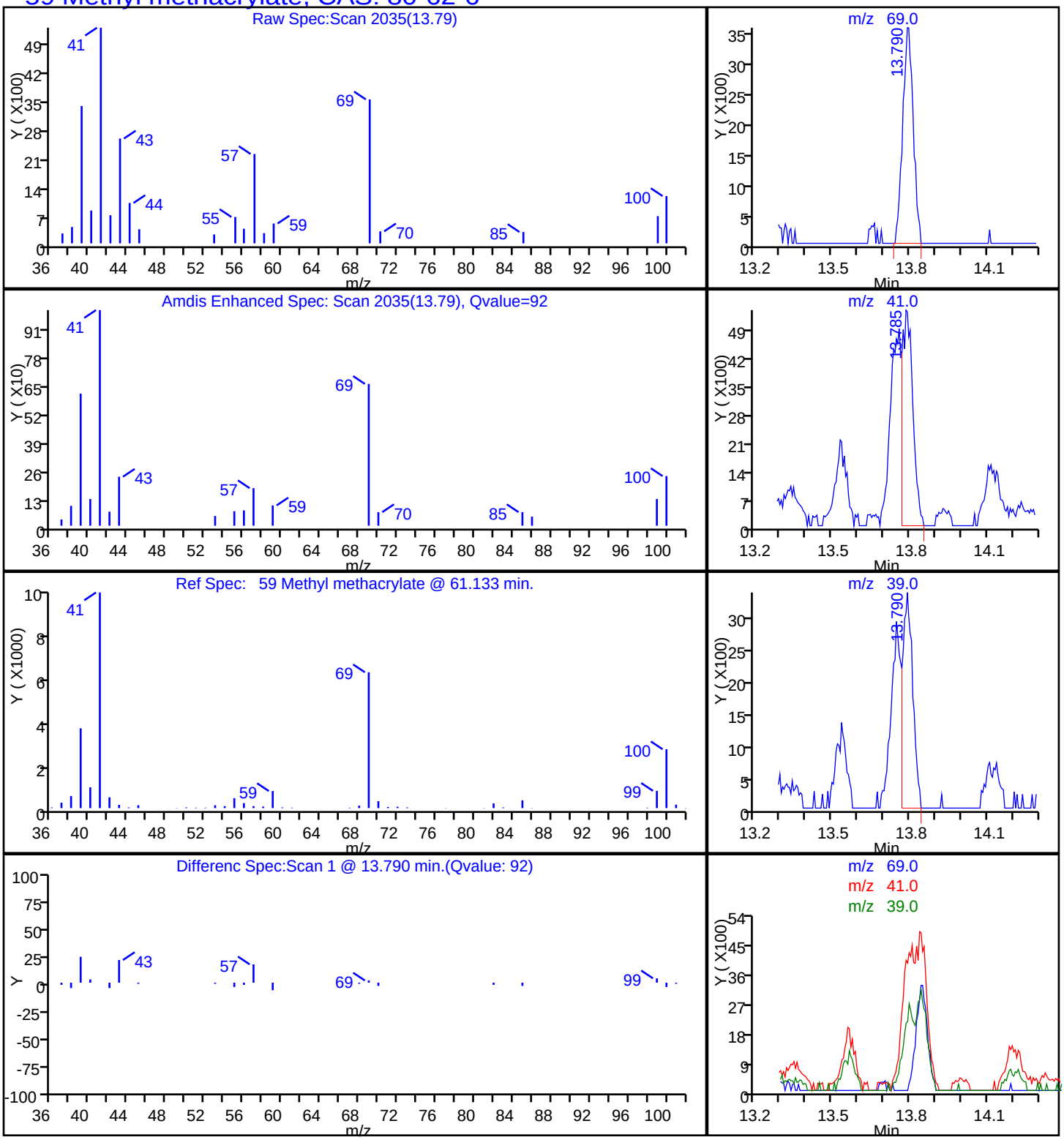
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

59 Methyl methacrylate, CAS: 80-62-6



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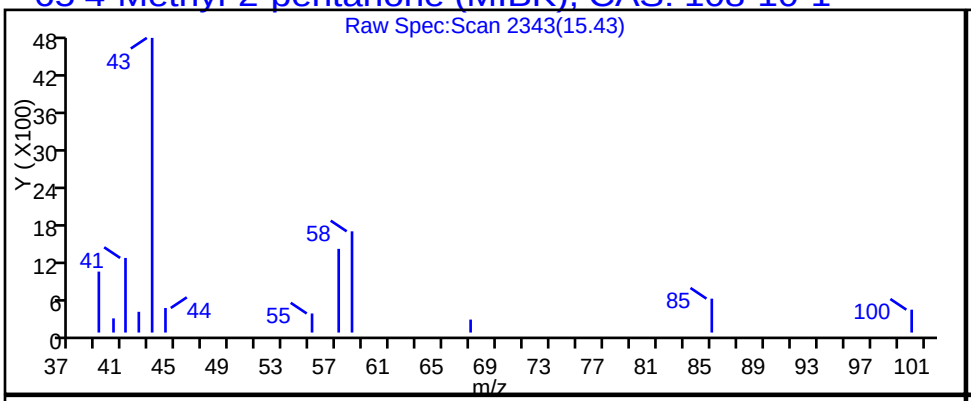
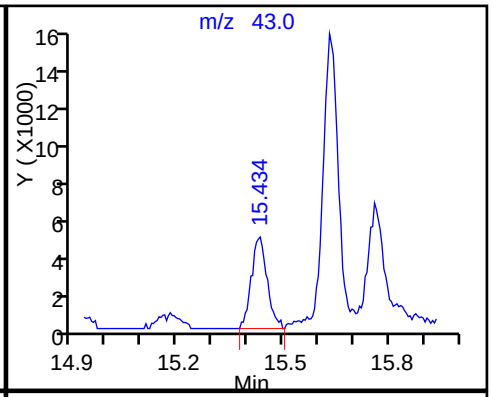
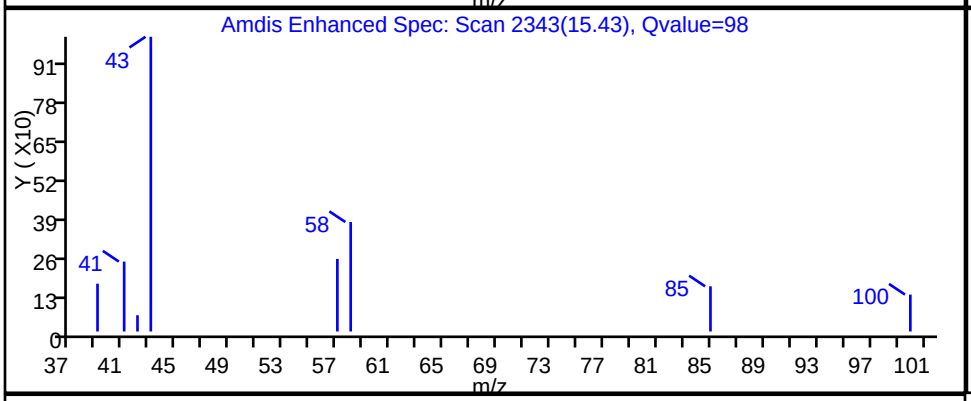
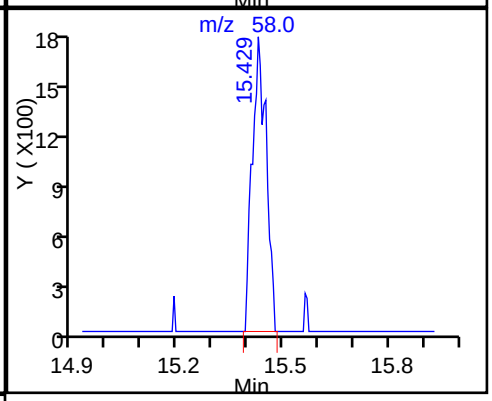
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

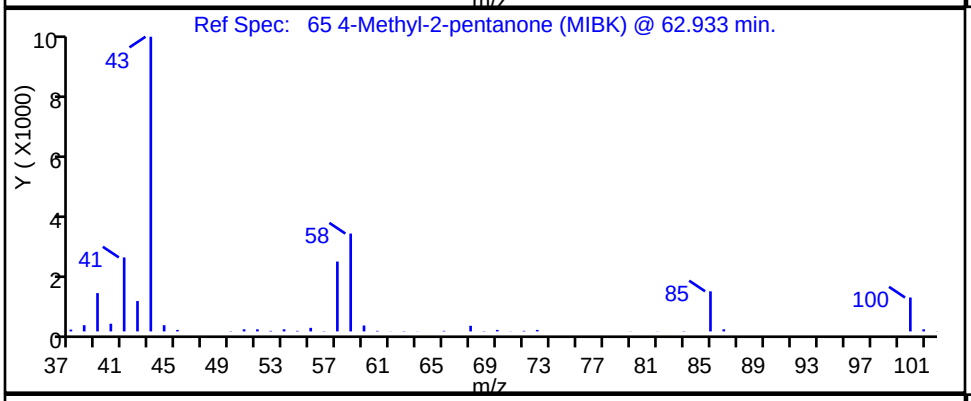
65 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

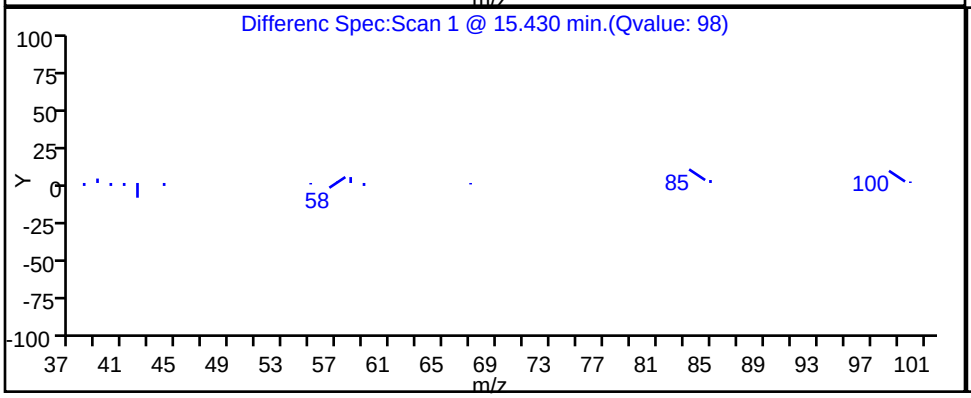


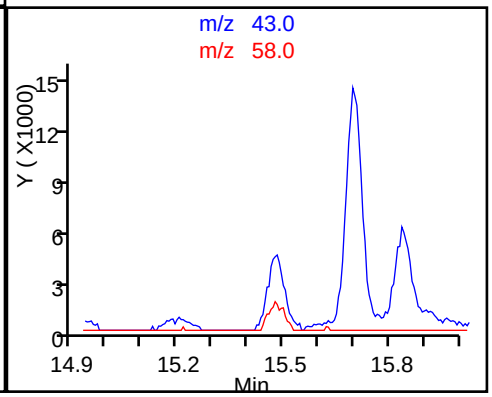












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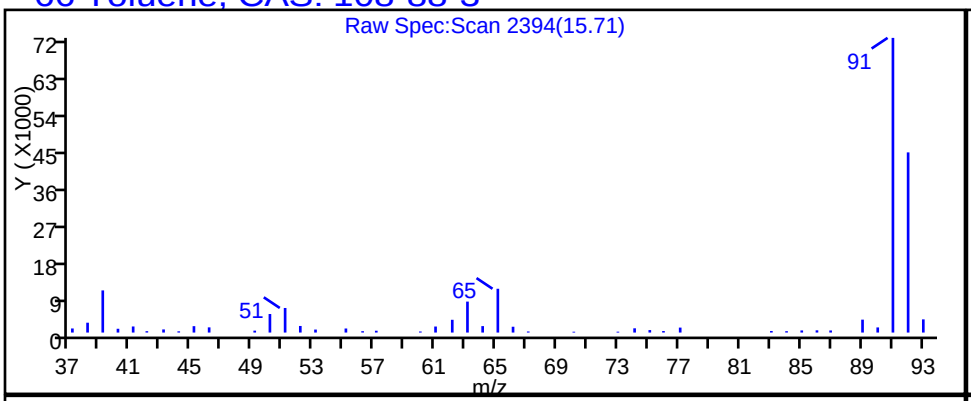
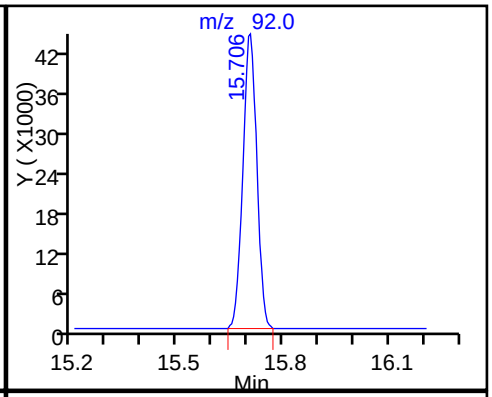
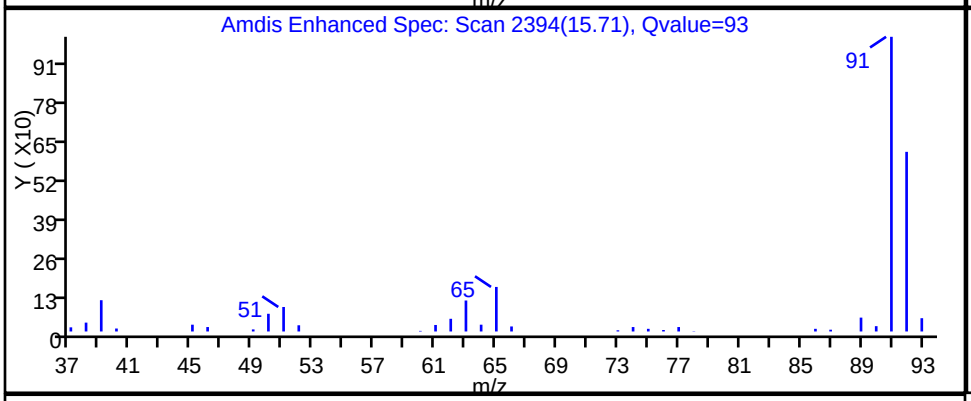
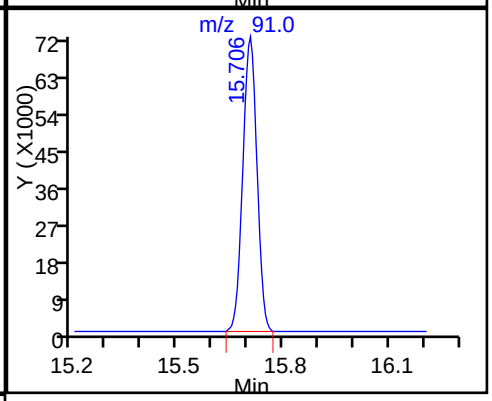
Client ID:	786VMP0302LA				
Operator ID:	wrd	ALS Bottle#:	6	Worklist Smp#:	26
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

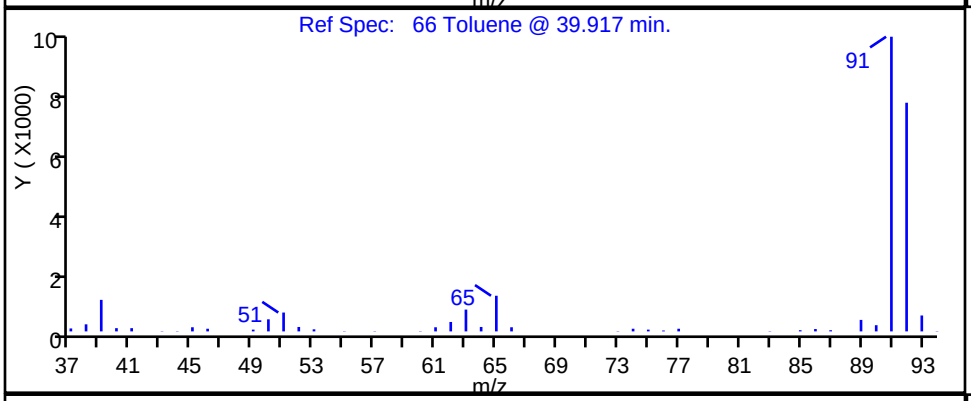
66 Toluene, CAS: 108-88-3

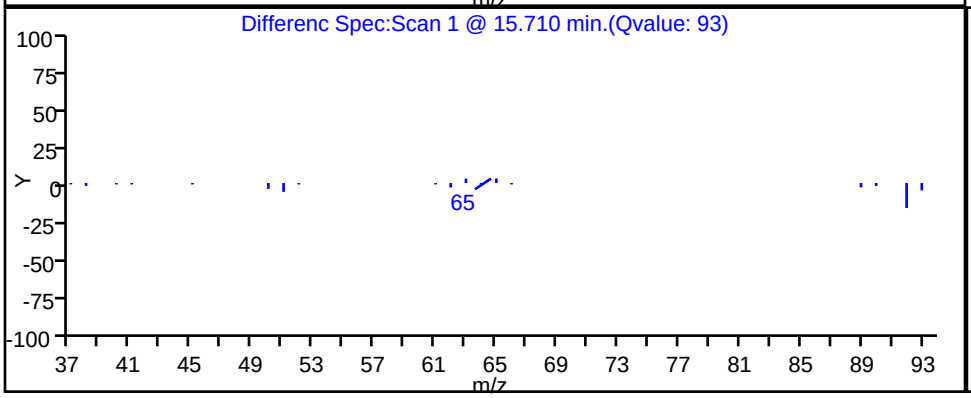


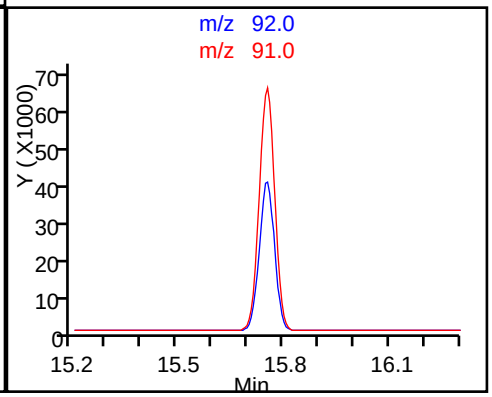












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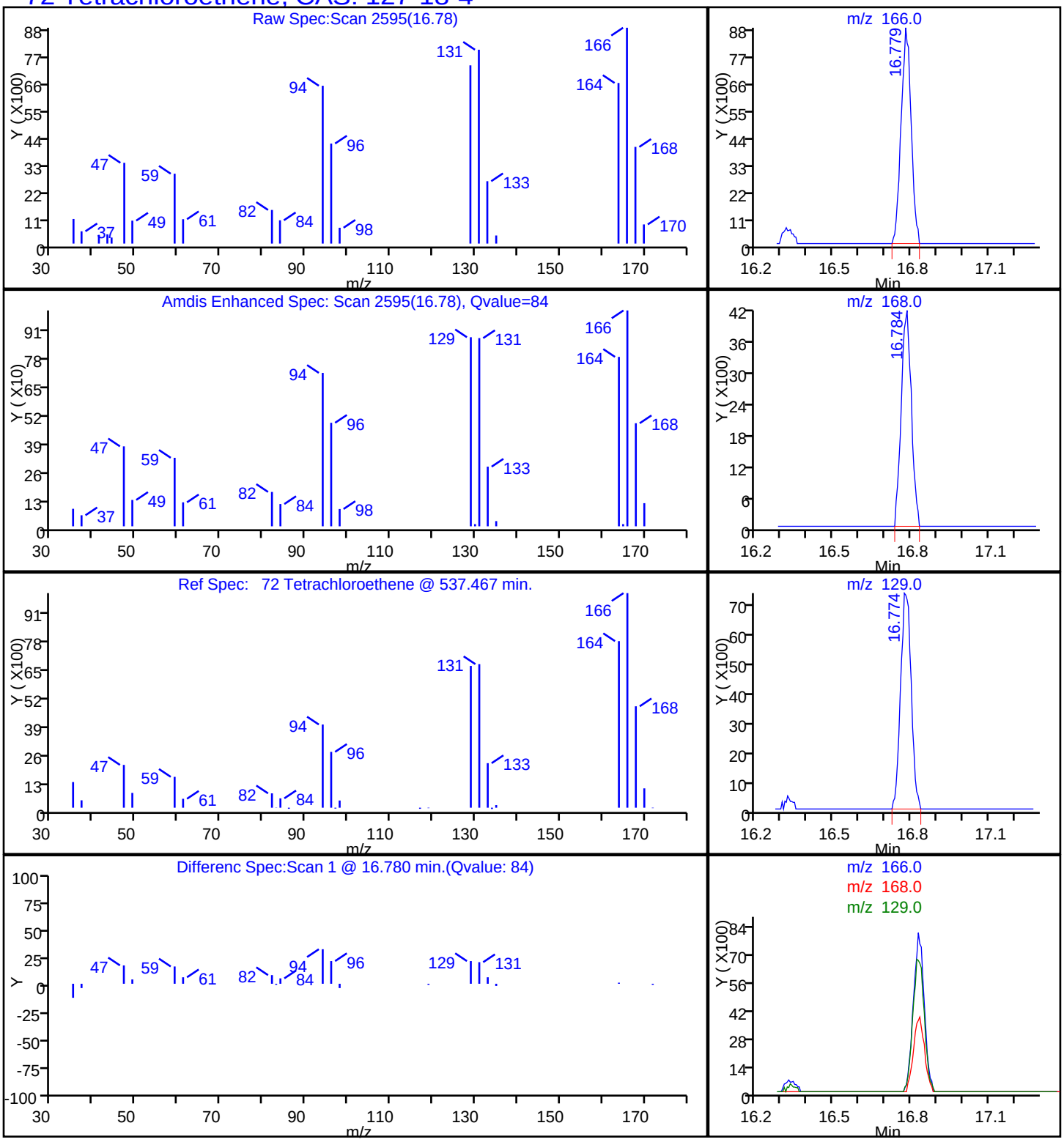
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

72 Tetrachloroethene, CAS: 127-18-4



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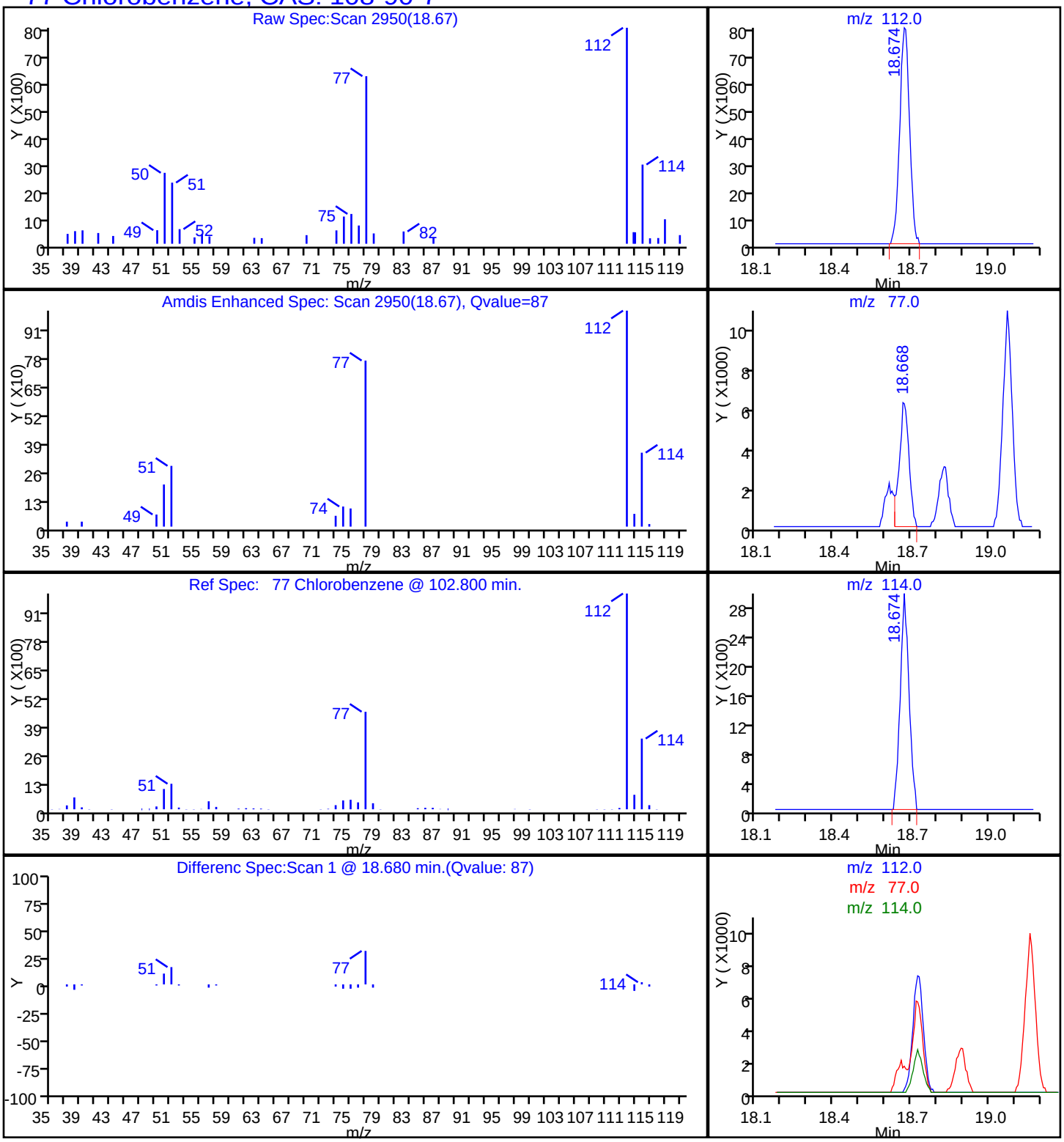
Operator ID:	wrd	ALS Bottle#:	6	Worklist Smp#:	26
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

77 Chlorobenzene, CAS: 108-90-7



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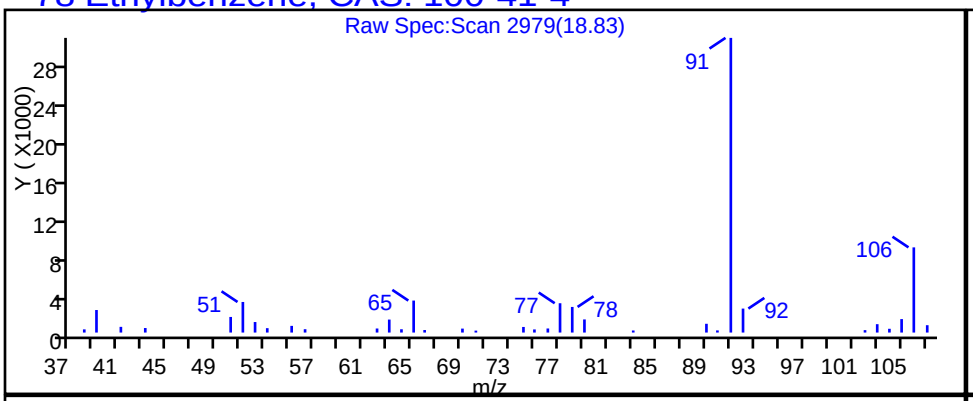
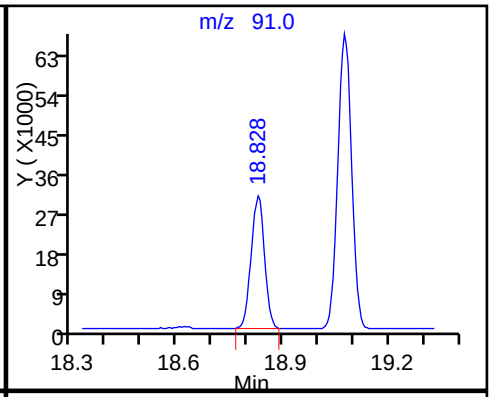
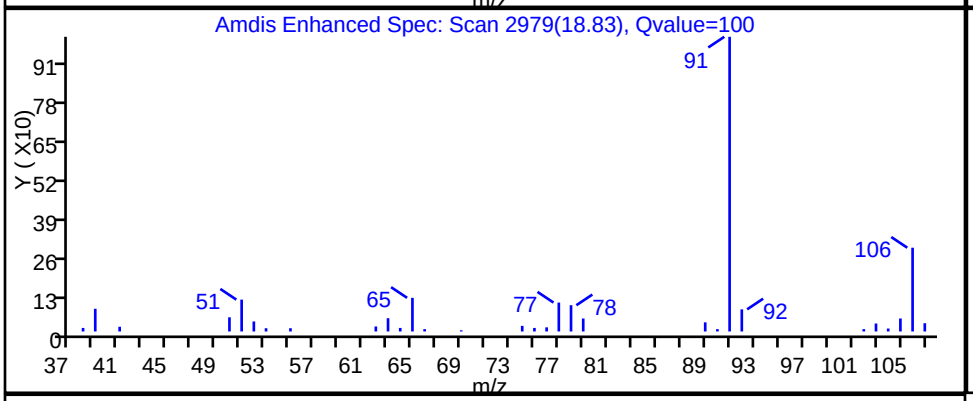
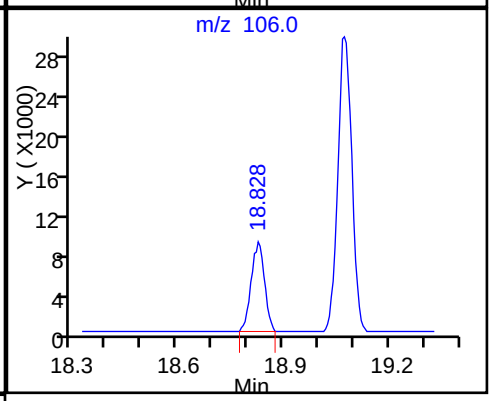
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

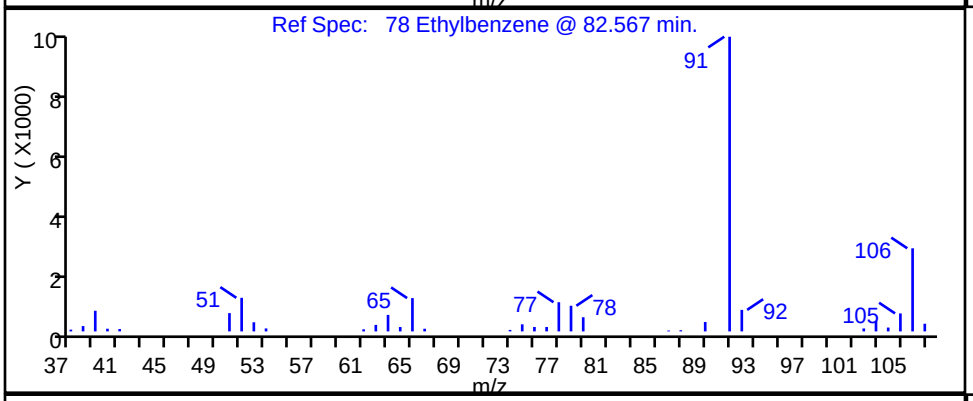
78 Ethylbenzene, CAS: 100-41-4

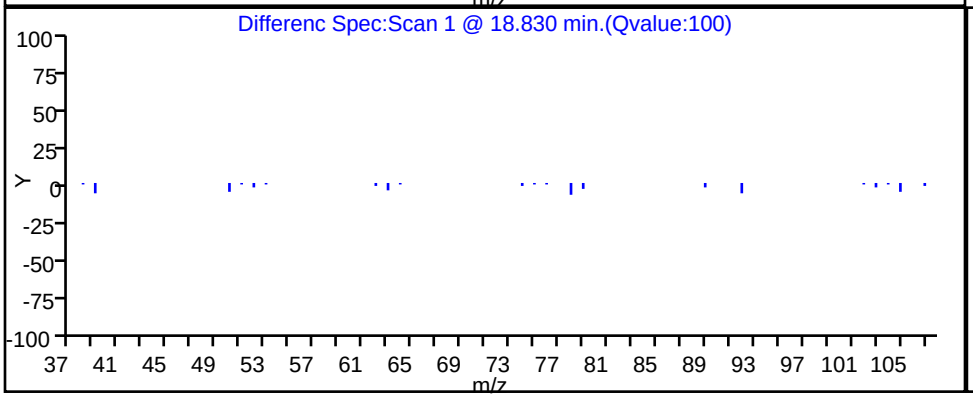


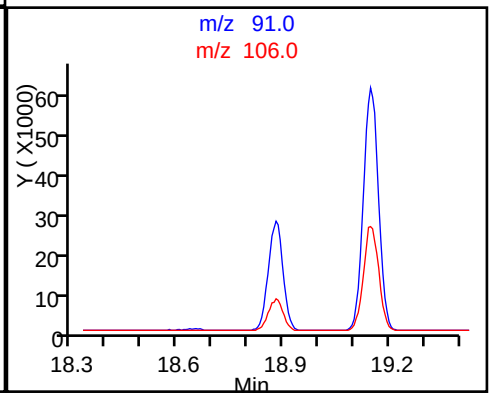












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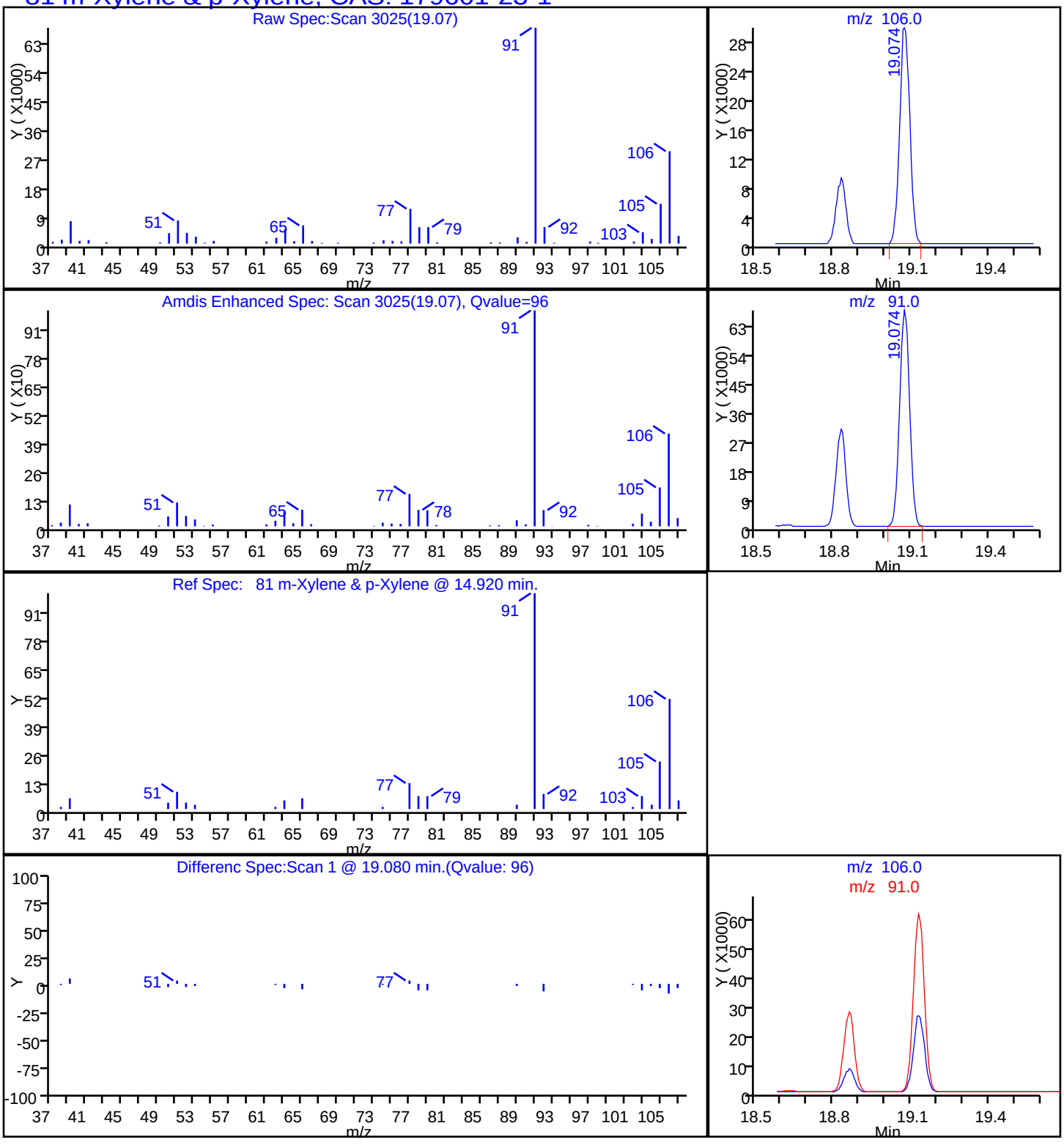
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

81 m-Xylene & p-Xylene, CAS: 179601-23-1



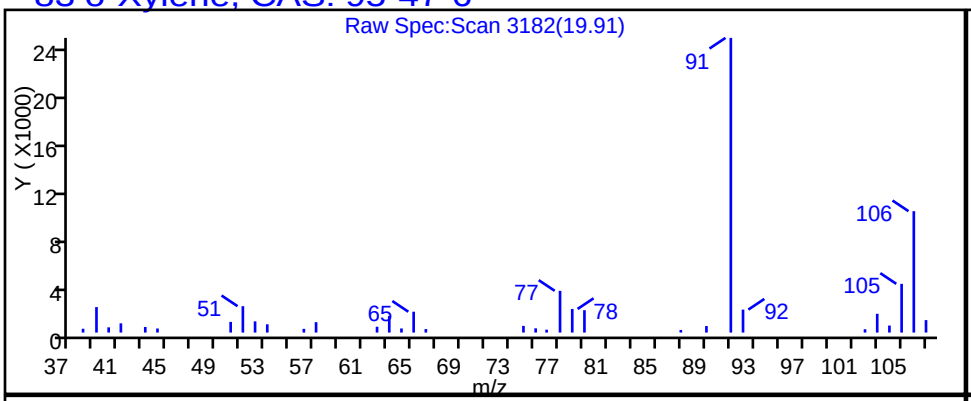
Report Date: 05-Aug-2014 08:50:13 Chrom Revision: 2.2 24-Jun-2014 07:21:42

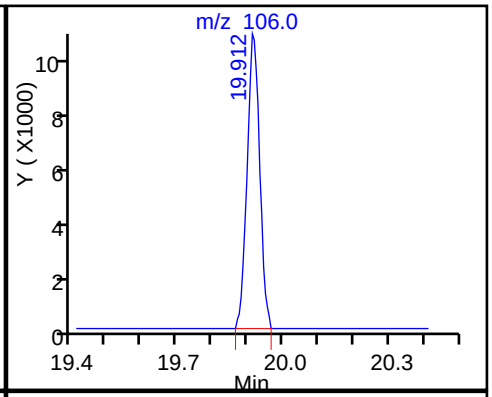
TestAmerica Burlington

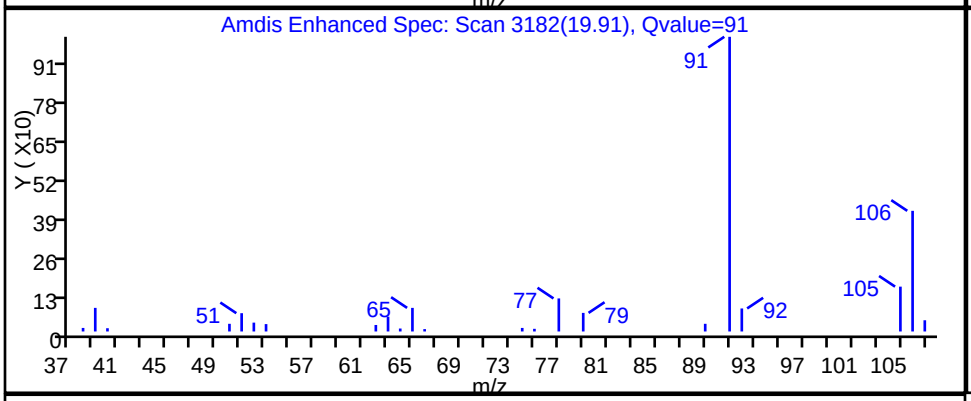
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140804-8834.b\8834_026.D

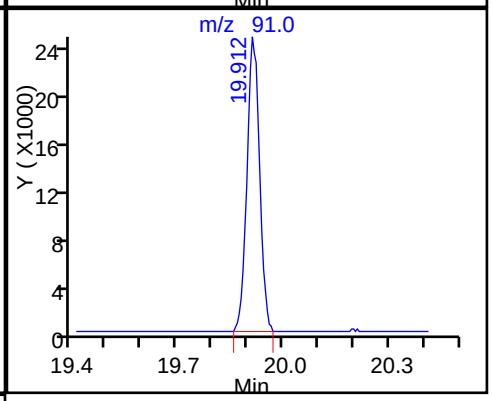
Injection Date:	05-Aug-2014 07:07:30	Instrument ID:	CHC.i		
Lims ID:	280-58004-A-2	Lab Sample ID:	200-58004-2		
Client ID:	786VMP0302LA				
Operator ID:	wrd	ALS Bottle#:	6	Worklist Smp#:	26
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

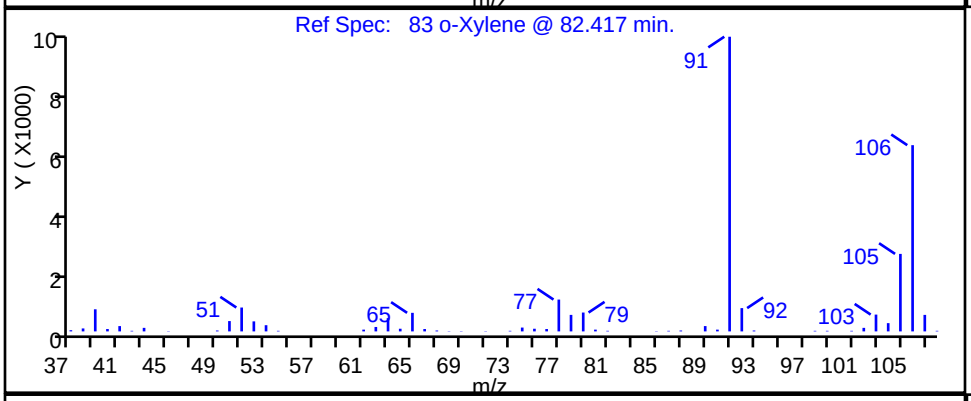
83 o-Xylene, CAS: 95-47-6

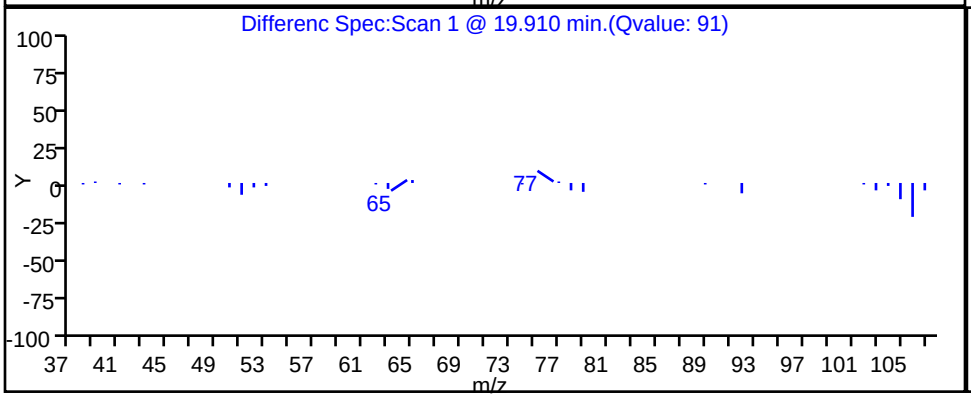


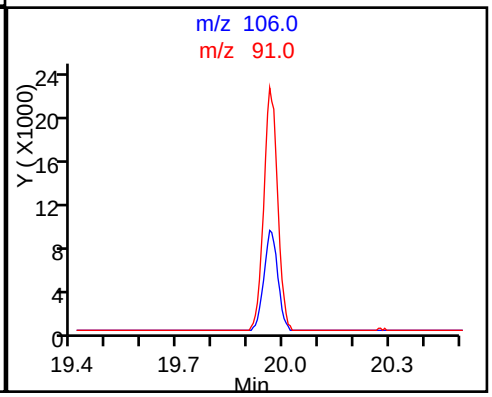












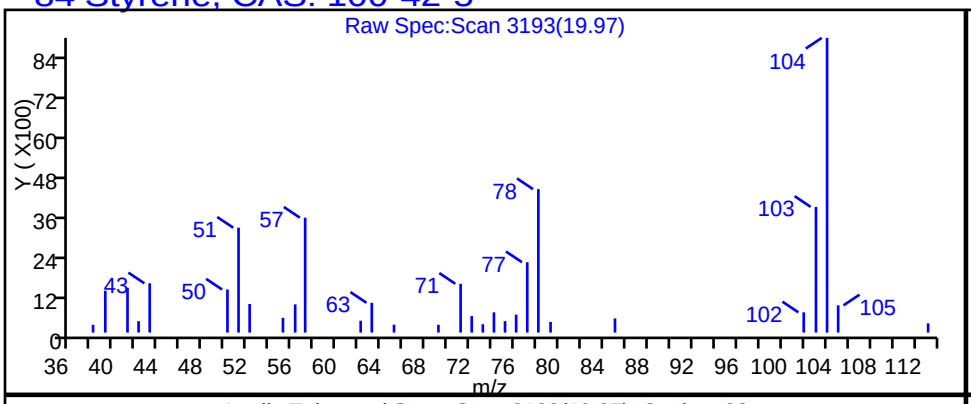
Report Date: 05-Aug-2014 08:50:13 Chrom Revision: 2.2 24-Jun-2014 07:21:42

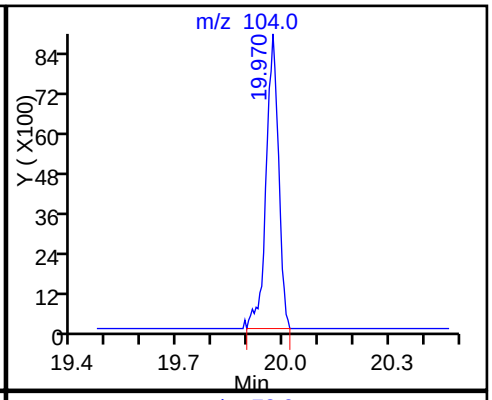
TestAmerica Burlington

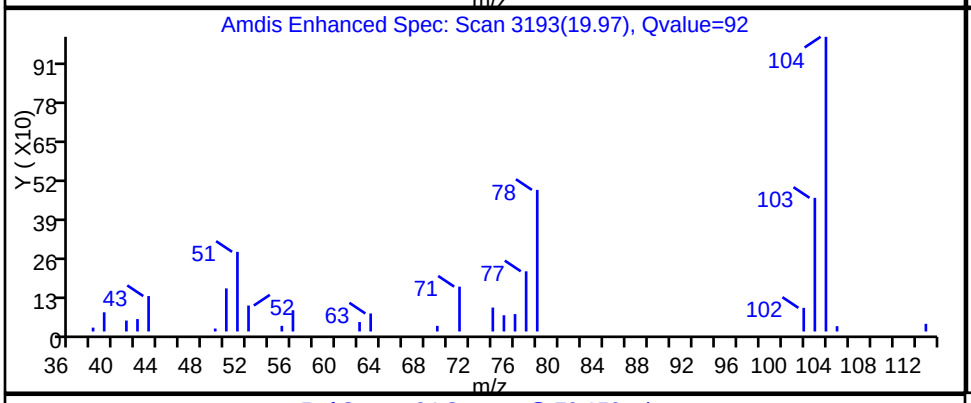
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140804-8834.b\8834_026.D

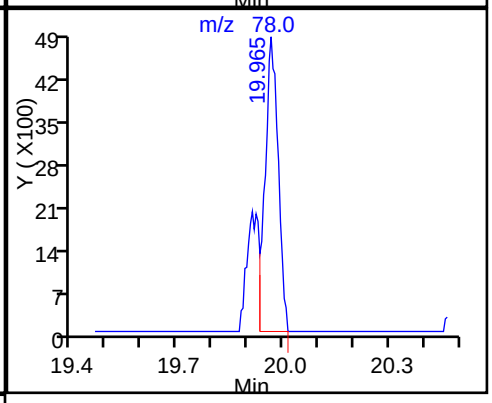
Injection Date:	05-Aug-2014 07:07:30	Instrument ID:	CHC.i		
Lims ID:	280-58004-A-2	Lab Sample ID:	200-58004-2		
Client ID:	786VMP0302LA				
Operator ID:	wrd	ALS Bottle#:	6	Worklist Smp#:	26
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

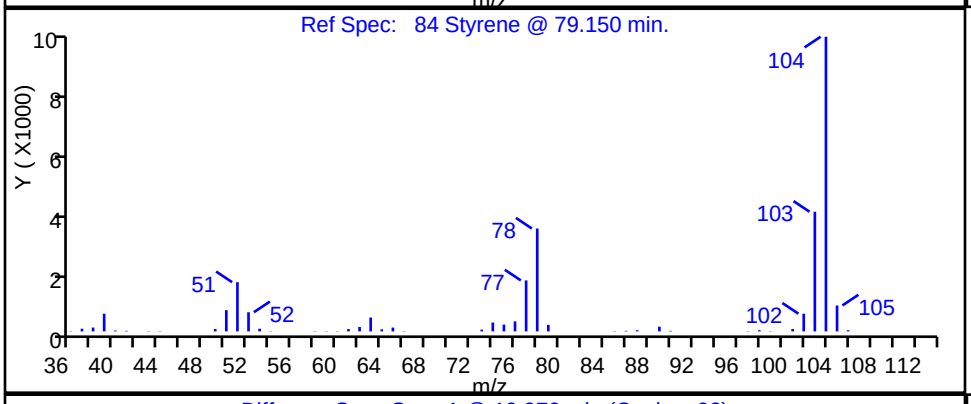
84 Styrene, CAS: 100-42-5

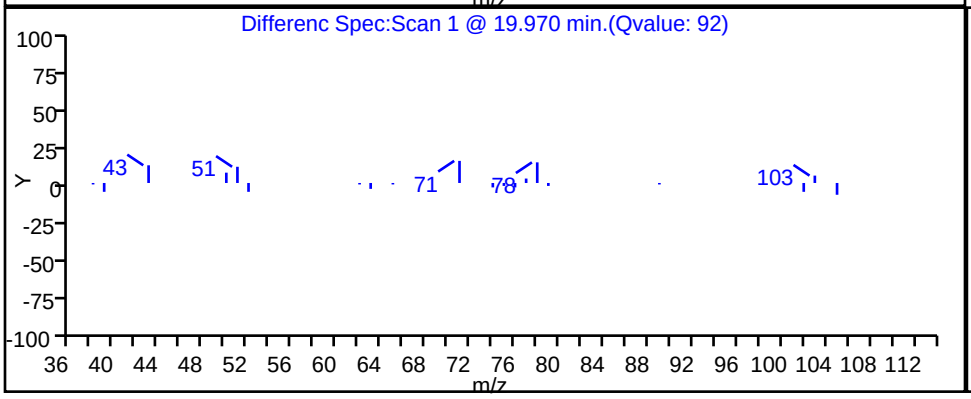


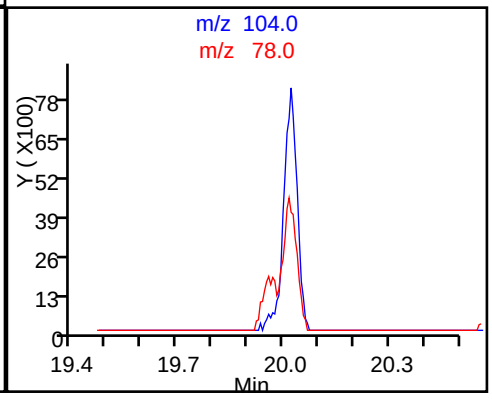












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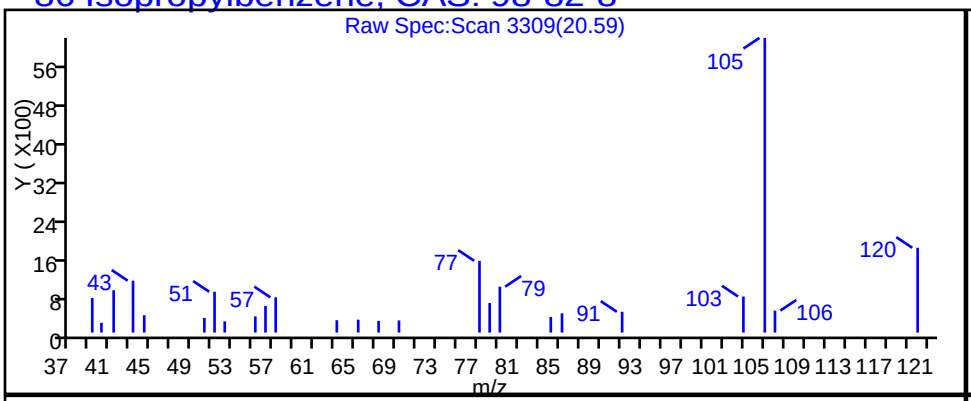
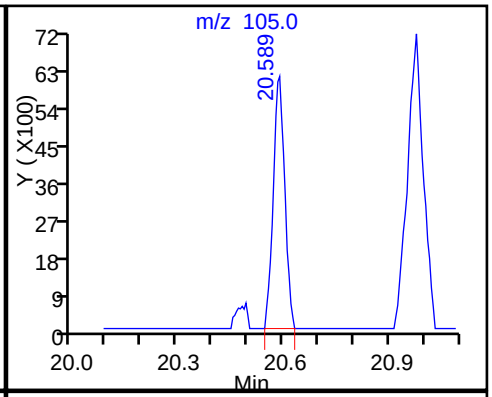
TestAmerica Burlington

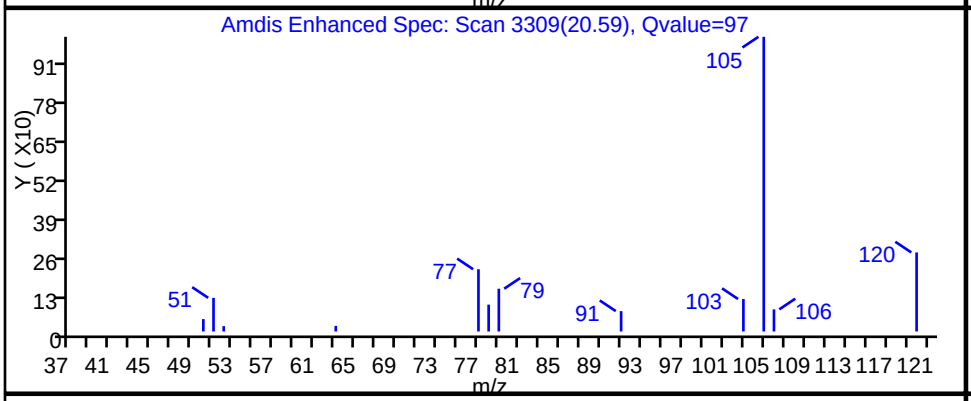
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140804-8834.b\8834_026.D

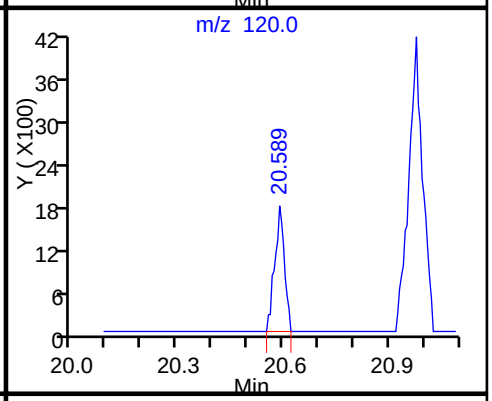
Injection Date:	05-Aug-2014 07:07:30	Instrument ID:	CHC.i		
Lims ID:	280-58004-A-2	Lab Sample ID:	200-58004-2		
Client ID:	786VMP0302LA				
Operator ID:	wrd	ALS Bottle#:	6	Worklist Smp#:	26
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

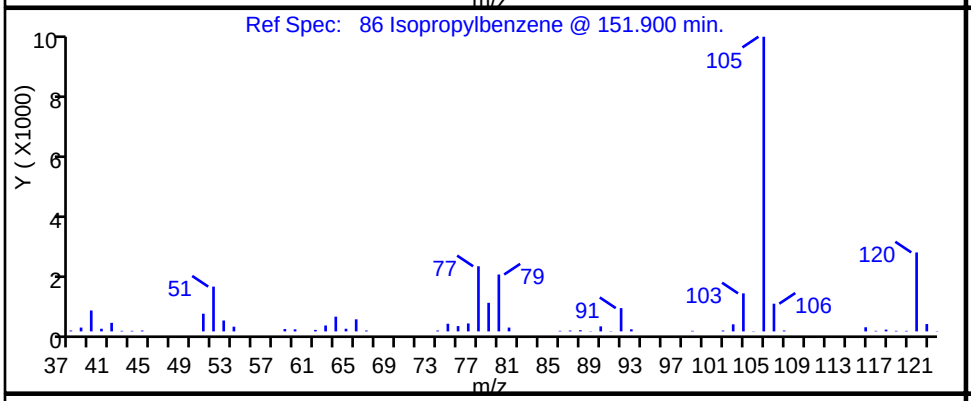
86 Isopropylbenzene, CAS: 98-82-8

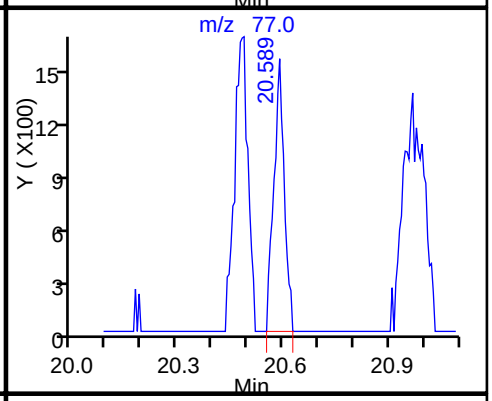


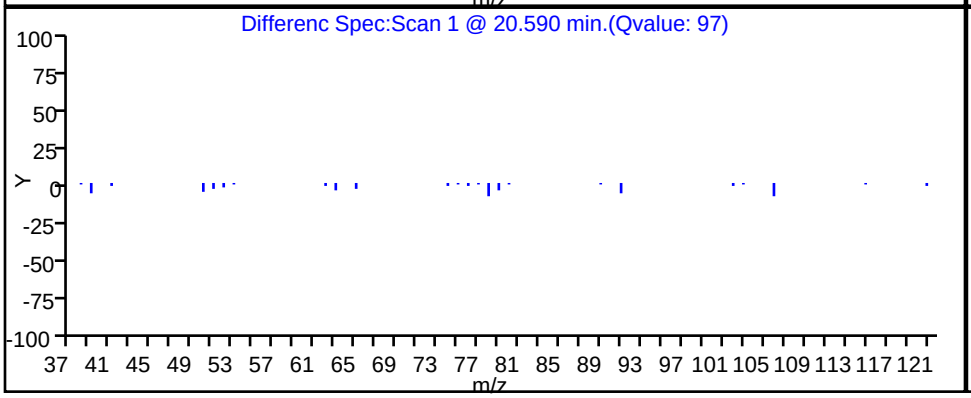


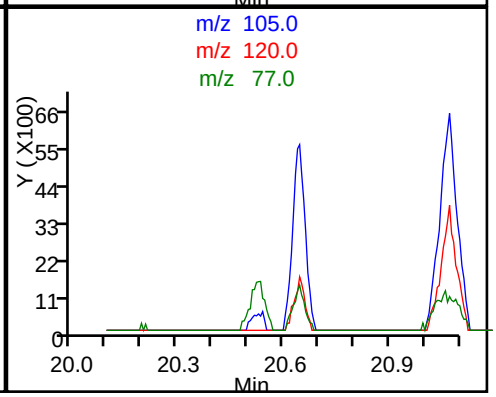












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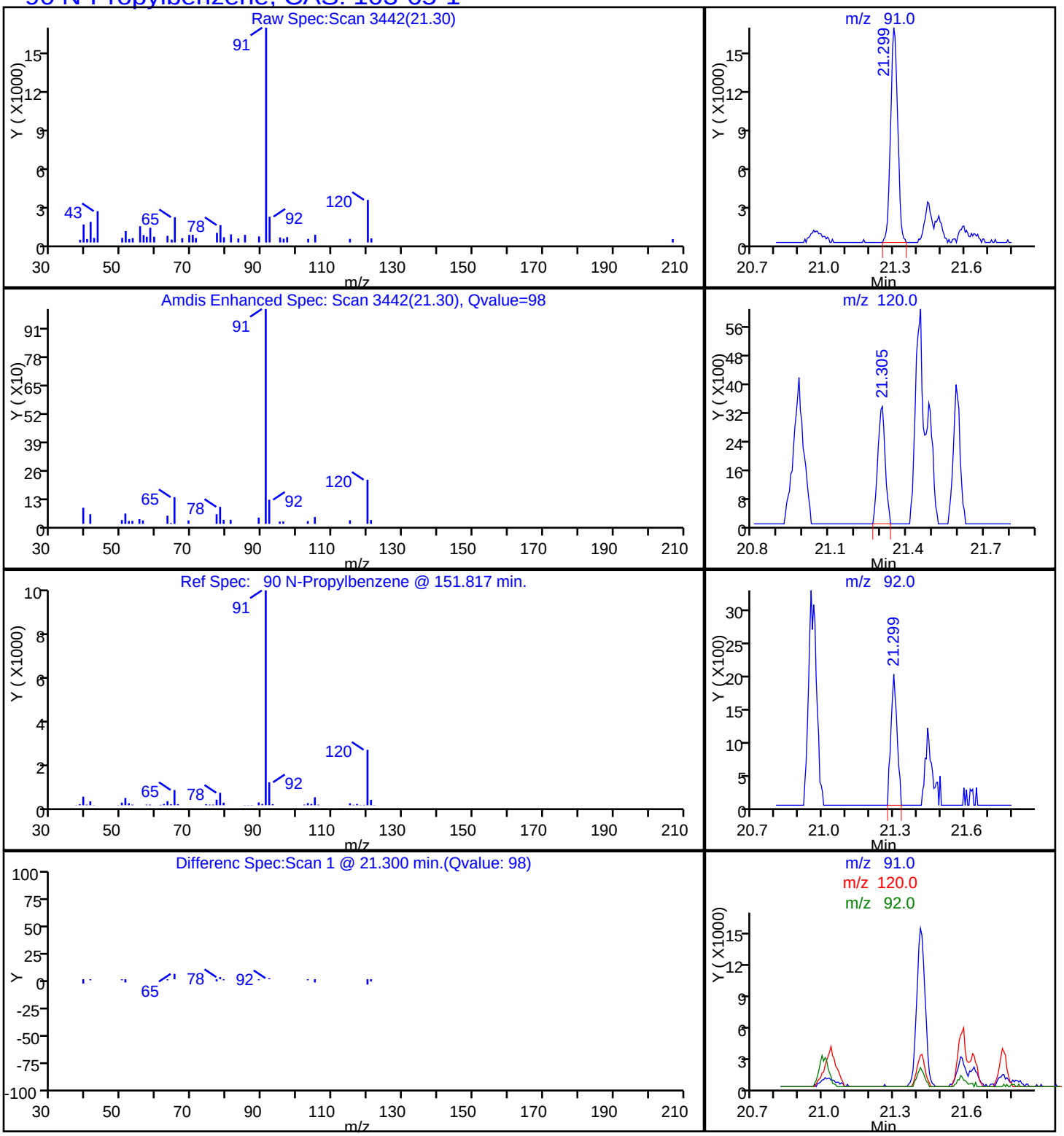
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140804-8834.b\8834_026.D

Injection Date:	05-Aug-2014 07:07:30	Instrument ID:	CHC.i		
Lims ID:	280-58004-A-2	Lab Sample ID:	200-58004-2		
Client ID:	786VMP0302LA				
Operator ID:	wrd	ALS Bottle#:	6	Worklist Smp#:	26
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

90 N-Propylbenzene, CAS: 103-65-1



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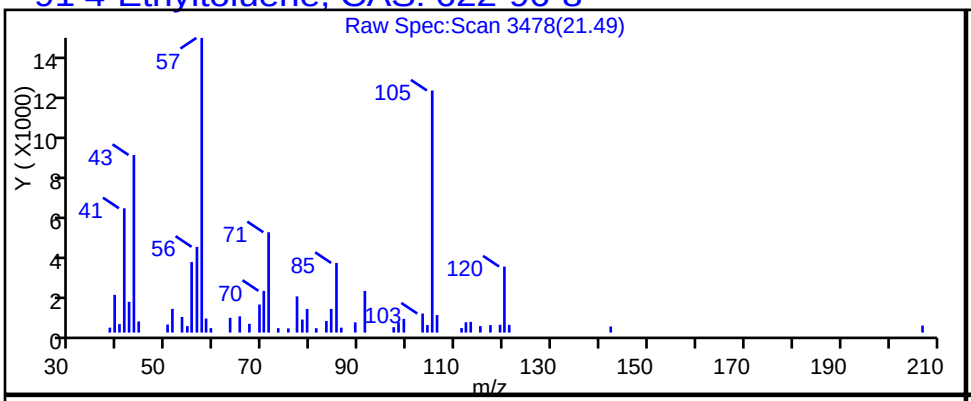
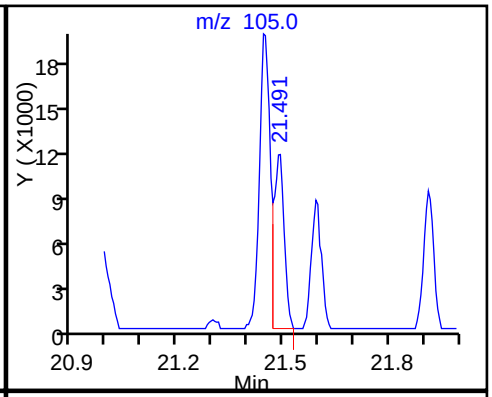
TestAmerica Burlington

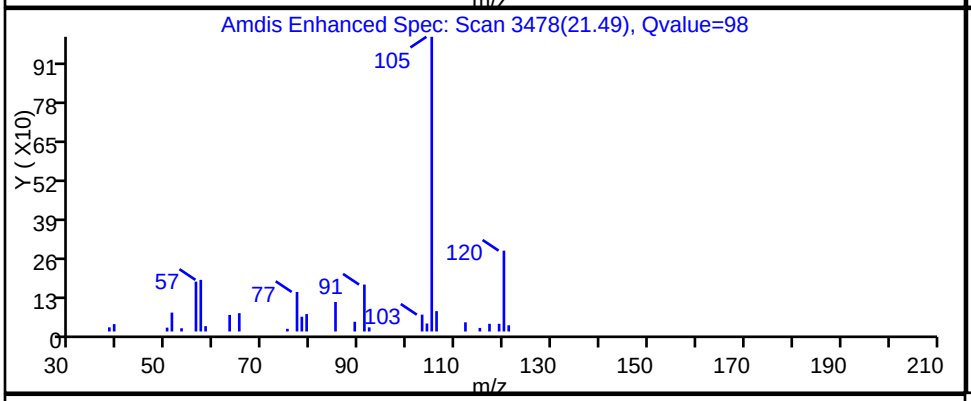
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140804-8834.b\8834_026.D

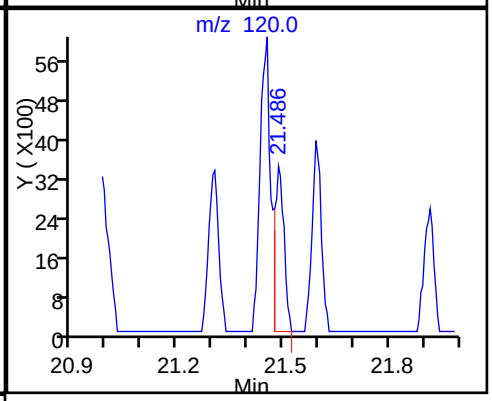
Injection Date:	05-Aug-2014 07:07:30	Instrument ID:	CHC.i		
Lims ID:	280-58004-A-2	Lab Sample ID:	200-58004-2		
Client ID:	786VMP0302LA				
Operator ID:	wrd	ALS Bottle#:	6	Worklist Smp#:	26
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

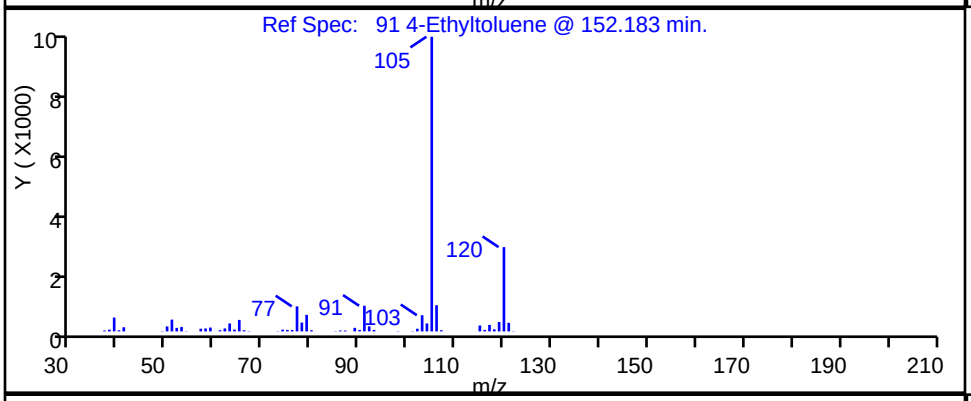
91 4-Ethyltoluene, CAS: 622-96-8

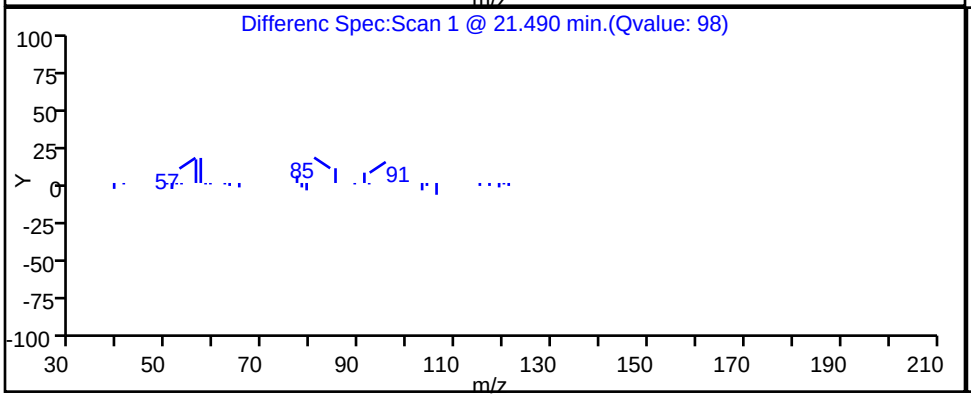


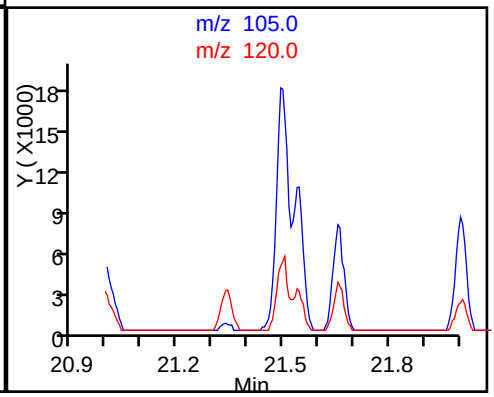












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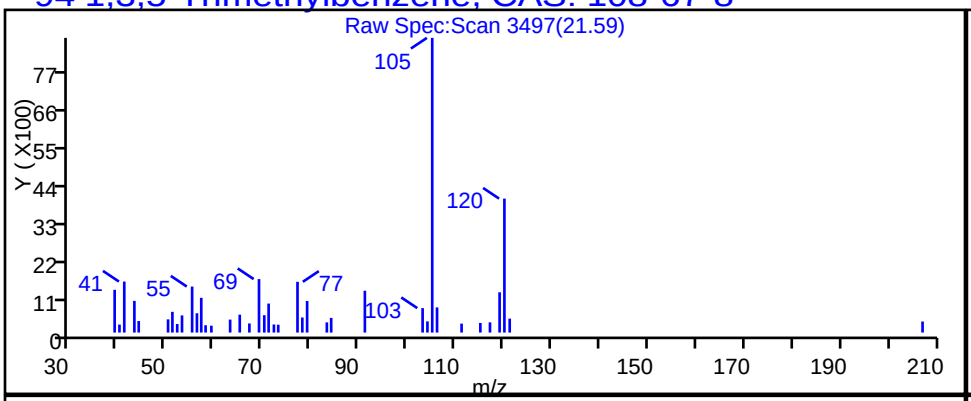
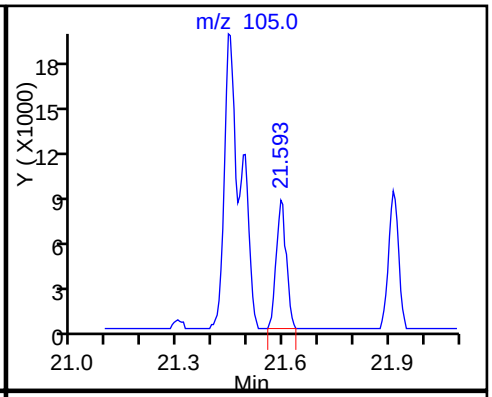
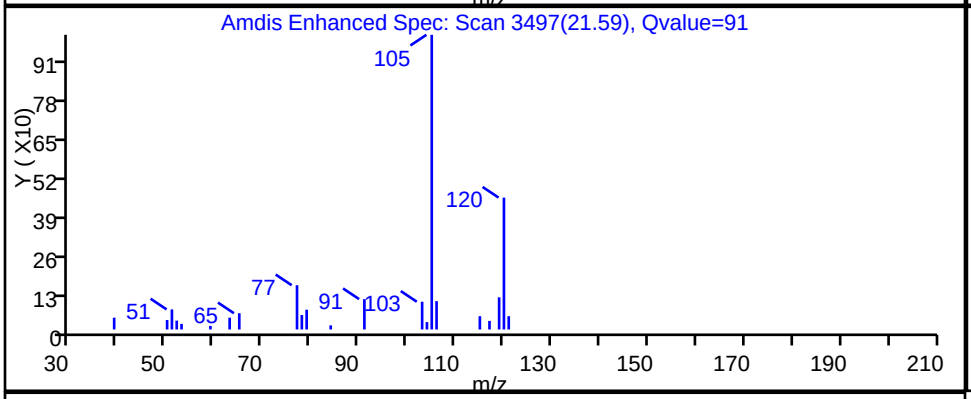
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140804-8834.b\8834_026.D

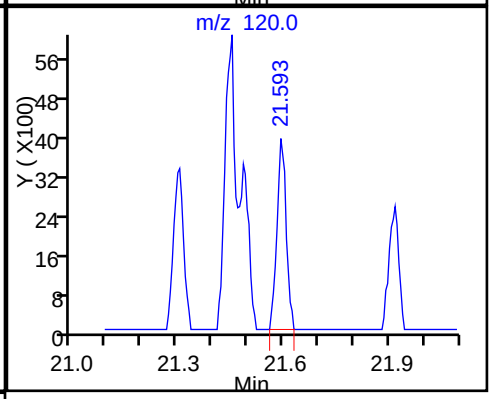
Injection Date:	05-Aug-2014 07:07:30	Instrument ID:	CHC.i		
Lims ID:	280-58004-A-2	Lab Sample ID:	200-58004-2		
Client ID:	786VMP0302LA				
Operator ID:	wrd	ALS Bottle#:	6	Worklist Smp#:	26
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

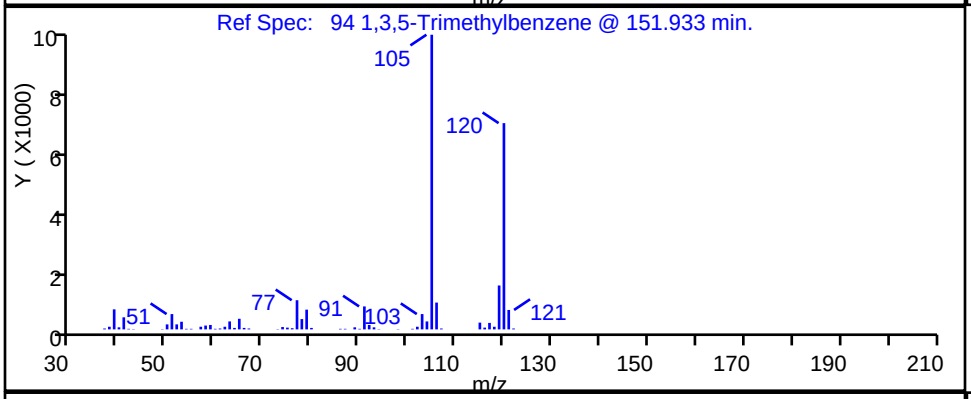
94 1,3,5-Trimethylbenzene, CAS: 108-67-8

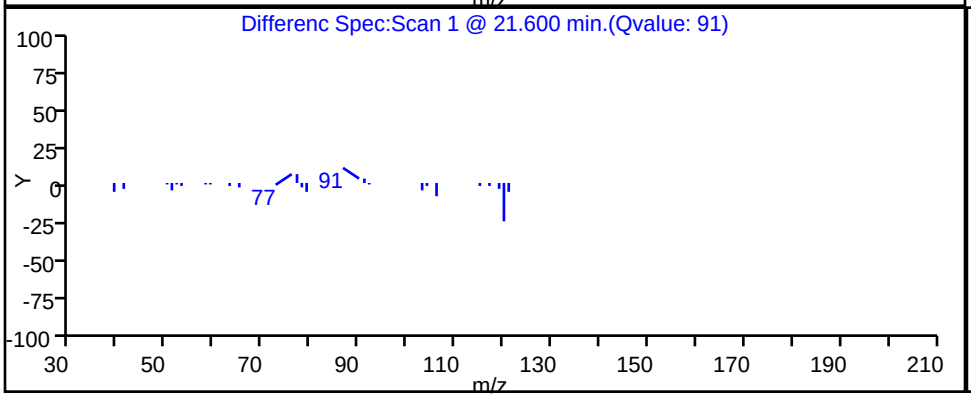


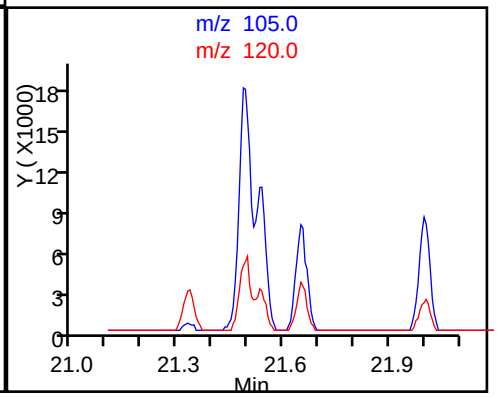












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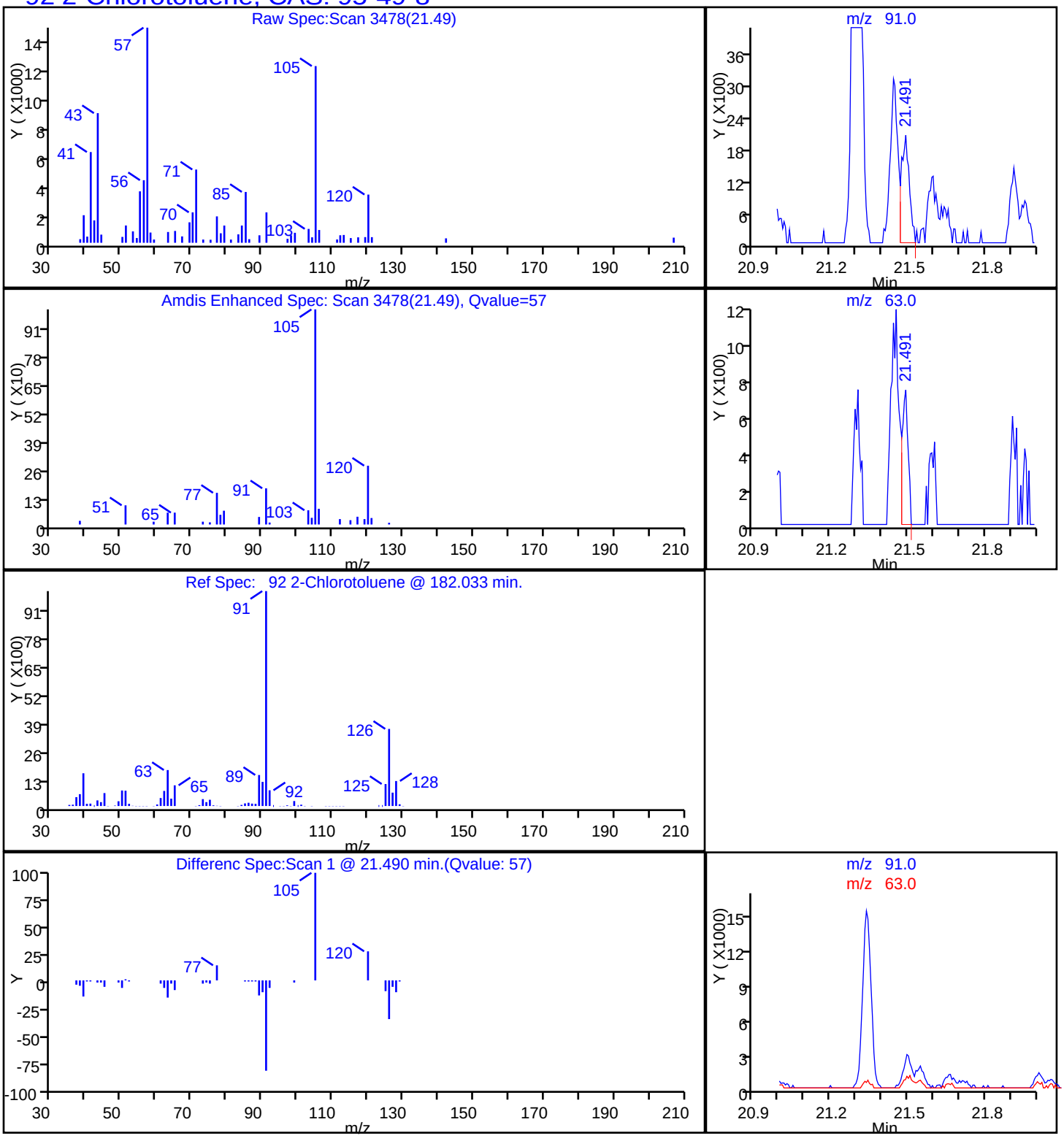
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140804-8834.b\8834_026.D

Injection Date:	05-Aug-2014 07:07:30	Instrument ID:	CHC.i		
Lims ID:	280-58004-A-2	Lab Sample ID:	200-58004-2		
Client ID:	786VMP0302LA				
Operator ID:	wrd	ALS Bottle#:	6	Worklist Smp#:	26
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

92 2-Chlorotoluene, CAS: 95-49-8



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Injection Date:	05-Aug-2014 07:07:30	Instrument ID:	CHC.i		
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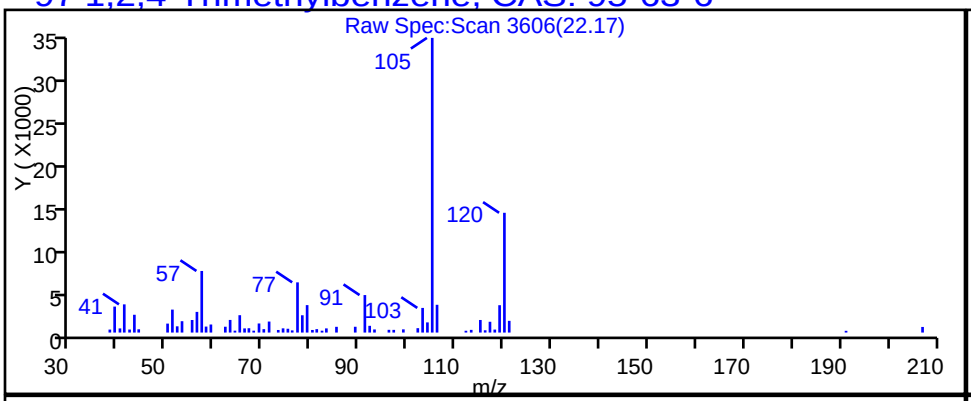
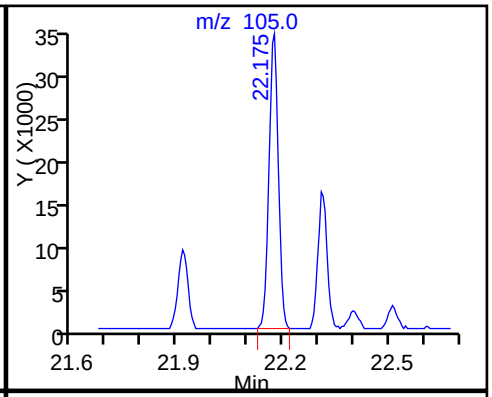
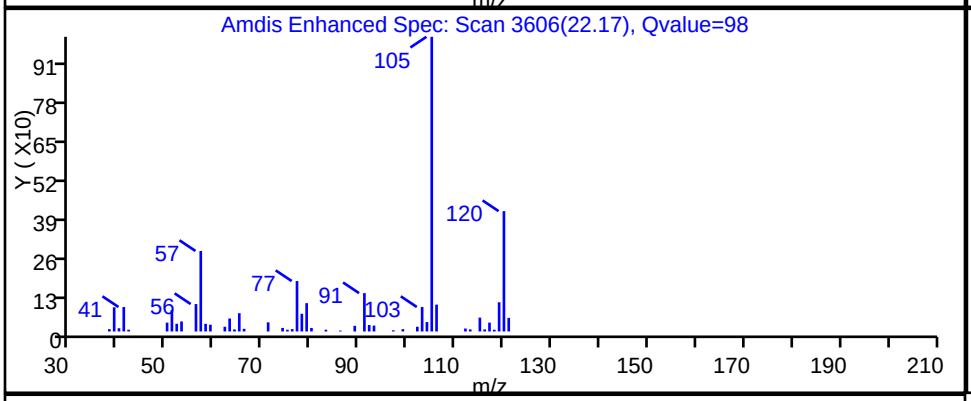
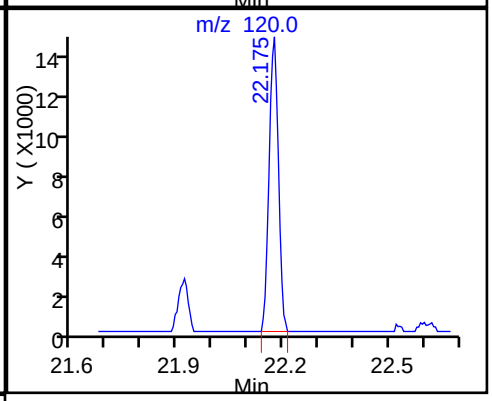
Operator ID:	wrd	ALS Bottle#:	6	Worklist Smp#:	26
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

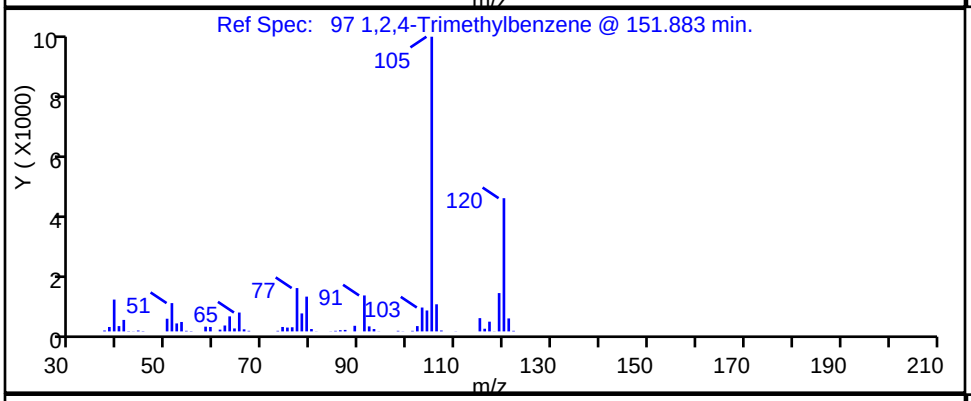
97 1,2,4-Trimethylbenzene, CAS: 95-63-6

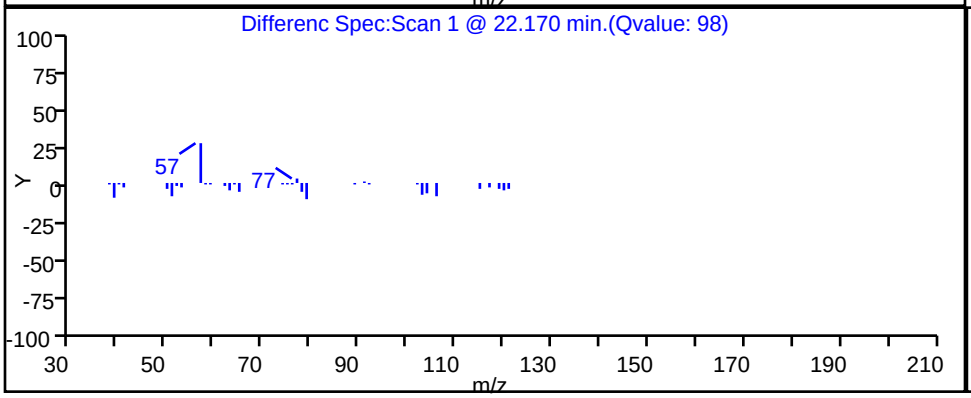


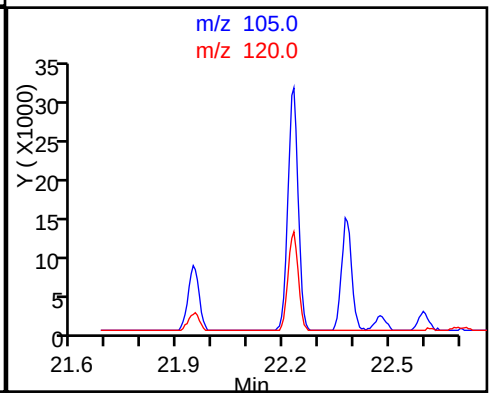












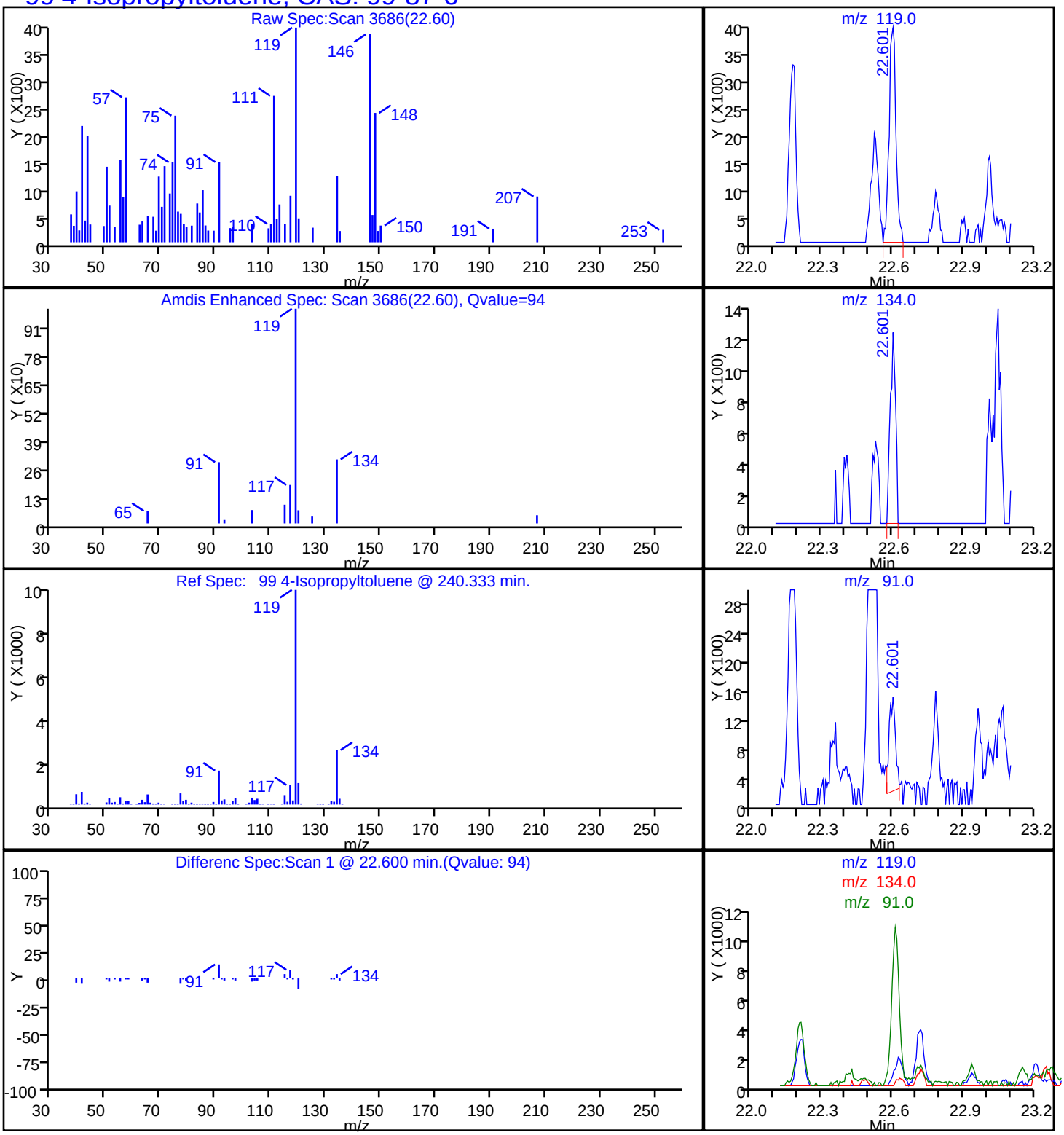
Report Date: 05-Aug-2014 08:50:13 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140804-8834.b\8834_026.D

Injection Date:	05-Aug-2014 07:07:30	Instrument ID:	CHC.i		
Lims ID:	280-58004-A-2	Lab Sample ID:	200-58004-2		
Client ID:	786VMP0302LA				
Operator ID:	wrd	ALS Bottle#:	6	Worklist Smp#:	26
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

99 4-Isopropyltoluene, CAS: 99-87-6

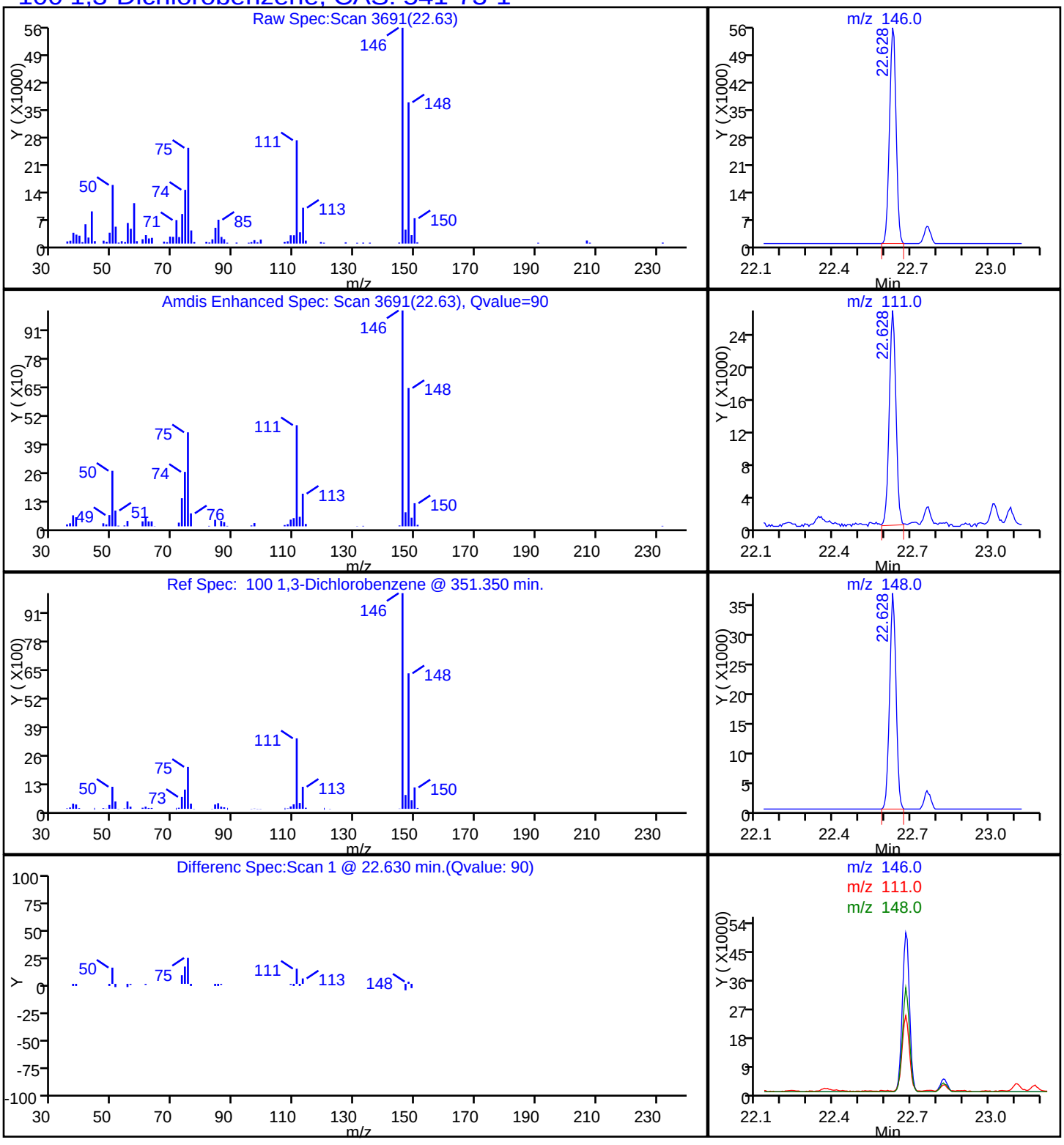


Report Date: 05-Aug-2014 08:50:13 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140804-8834.b\8834_026.D				
Injection Date:	05-Aug-2014 07:07:30	Instrument ID:	CHC.i		
Lims ID:	280-58004-A-2	Lab Sample ID:	200-58004-2		
Client ID:	786VMP0302LA				
Operator ID:	wrd	ALS Bottle#:	6	Worklist Smp#:	26
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

100 1,3-Dichlorobenzene, CAS: 541-73-1



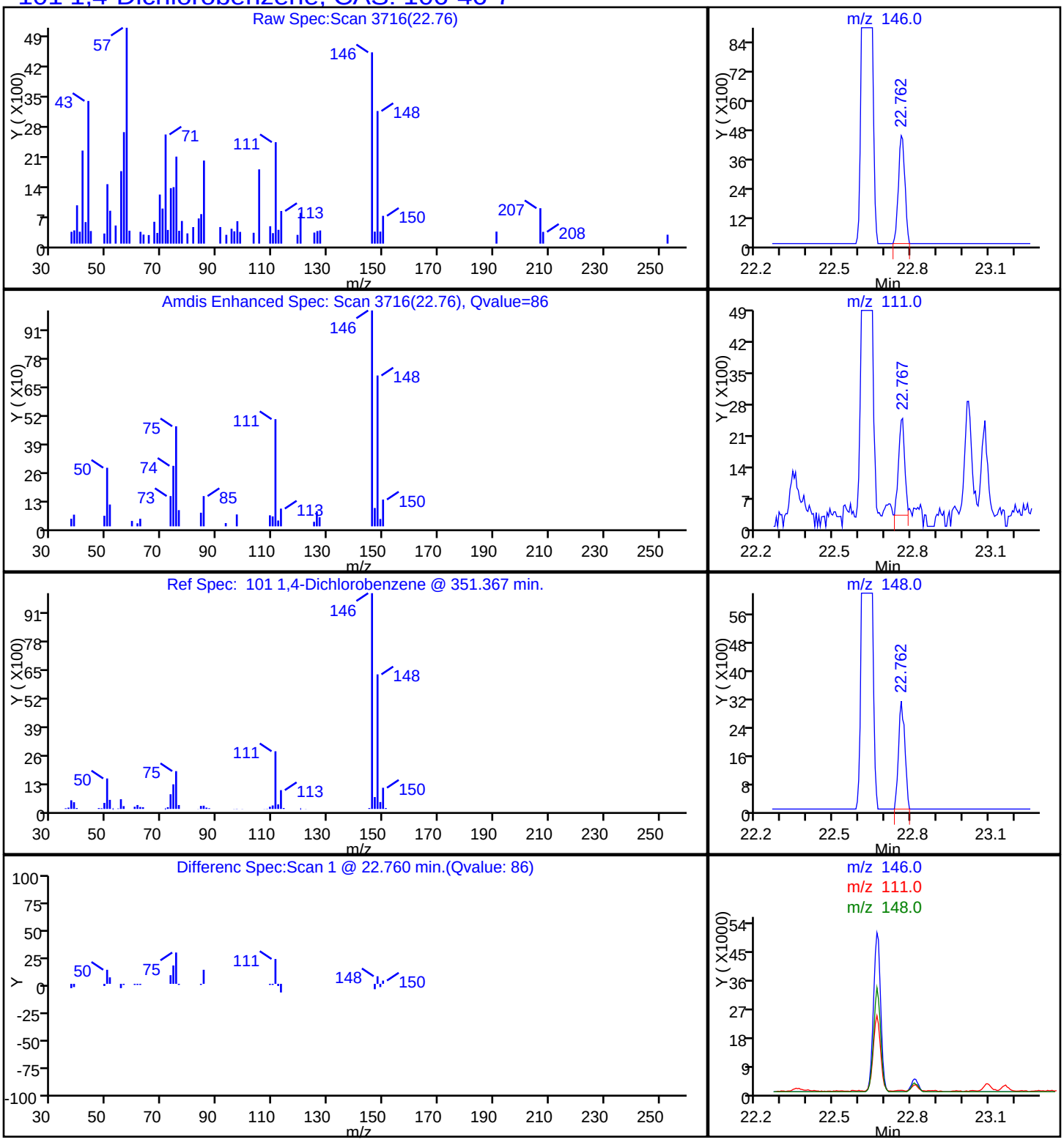
Report Date: 05-Aug-2014 08:50:13 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140804-8834.b\8834_026.D

Injection Date:	05-Aug-2014 07:07:30	Instrument ID:	CHC.i		
Lims ID:	280-58004-A-2	Lab Sample ID:	200-58004-2		
Client ID:	786VMP0302LA				
Operator ID:	wrd	ALS Bottle#:	6	Worklist Smp#:	26
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

101 1,4-Dichlorobenzene, CAS: 106-46-7



Manual Integration/User Assign Peak Report

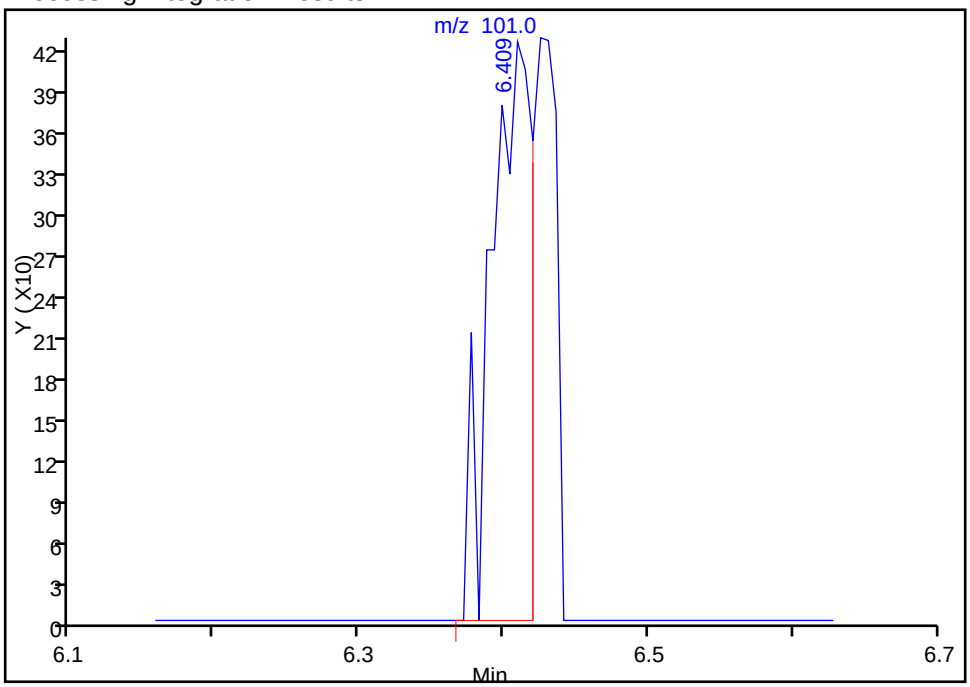
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140804-8834.b\8834_026.D				
Injection Date:	05-Aug-2014 07:07:30	Instrument ID:	CHC.i		
Lims ID:	280-58004-A-2	Lab Sample ID:	200-58004-2		
Client ID:	786VMP0302LA				
Operator ID:	wrd	ALS Bottle#:	6	Worklist Smp#:	26
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	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

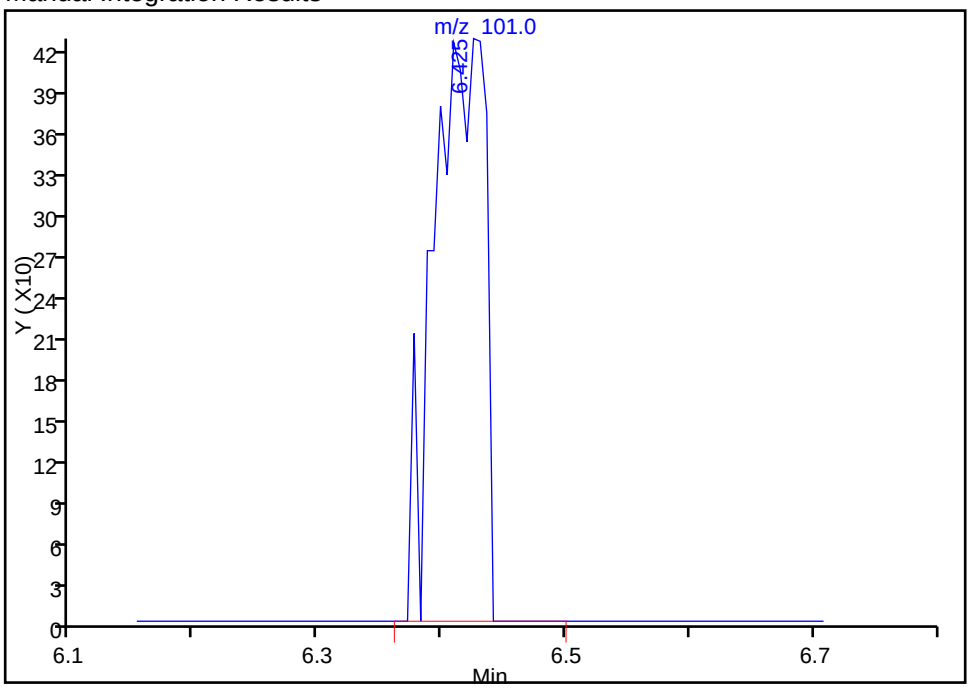
Processing Integration Results

RT: 6.41
Response: 837
Amount: 0.059837



Manual Integration Results

RT: 6.43
Response: 1225
Amount: 0.087575



Reviewer: desjardinsb, 05-Aug-2014 08:50:11
Audit Action: Manually Integrated
Audit Reason: Baseline Event

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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Client Sample ID: 786VMP0102LA Lab Sample ID: 280-58004-3

Matrix: Air Lab File ID: 8889_006.d

Analysis Method: TO-15 Date Collected: 07/18/2014 15:00

Sample wt/vol: 100(mL) Date Analyzed: 08/06/2014 16:10

Soil Aliquot Vol: Dilution Factor: 2

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75709 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	0.59	J D	1.0	0.060
75-45-6	Freon 22	86.47	0.26	J D	1.0	0.096
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.16	U	0.40	0.070
74-87-3	Chloromethane	50.49	1.0	U	1.0	0.27
106-97-8	n-Butane	58.12	1.2	D	1.0	0.56
75-01-4	Vinyl chloride	62.50	0.16	U	0.40	0.076
106-99-0	1,3-Butadiene	54.09	0.16	U	0.40	0.084
74-83-9	Bromomethane	94.94	0.16	U	0.40	0.056
75-00-3	Chloroethane	64.52	0.16	U	1.0	0.060
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.16	U	0.40	0.060
75-69-4	Trichlorofluoromethane	137.37	0.29	J D	0.40	0.060
76-13-1	Freon TF	187.38	0.11	J D	0.40	0.036
75-35-4	1,1-Dichloroethene	96.94	0.16	U	0.40	0.048
67-64-1	Acetone	58.08	11	D	10	2.5
67-63-0	Isopropyl alcohol	60.10	28	D	10	0.43
75-15-0	Carbon disulfide	76.14	2.6	D	1.0	0.13
107-05-1	3-Chloropropene	76.53	0.16	U	1.0	0.068
75-09-2	Methylene Chloride	84.93	0.40	U	1.0	0.25
75-65-0	tert-Butyl alcohol	74.12	5.2	J D	10	0.66
1634-04-4	Methyl tert-butyl ether	88.15	0.36	J D	0.40	0.044
156-60-5	trans-1,2-Dichloroethene	96.94	0.16	U	0.40	0.058
110-54-3	n-Hexane	86.17	0.44	D	0.40	0.068
75-34-3	1,1-Dichloroethane	98.96	0.16	U	0.40	0.076
78-93-3	Methyl Ethyl Ketone	72.11	3.8	D	1.0	0.48
156-59-2	cis-1,2-Dichloroethene	96.94	0.16	U	0.40	0.076
540-59-0	1,2-Dichloroethene, Total	96.94	0.16	U	0.40	0.13
67-66-3	Chloroform	119.38	0.54	D	0.40	0.050
109-99-9	Tetrahydrofuran	72.11	2.6	J D	10	0.092
71-55-6	1,1,1-Trichloroethane	133.41	0.16	U	0.40	0.042
110-82-7	Cyclohexane	84.16	0.79	D M	0.40	0.050
56-23-5	Carbon tetrachloride	153.81	0.084	J D	0.40	0.042
540-84-1	2,2,4-Trimethylpentane	114.23	0.26	J D	0.40	0.054
71-43-2	Benzene	78.11	0.43	D	0.40	0.038
107-06-2	1,2-Dichloroethane	98.96	0.060	U	0.40	0.034

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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Client Sample ID: 786VMP0102LA Lab Sample ID: 280-58004-3

Matrix: Air Lab File ID: 8889_006.d

Analysis Method: TO-15 Date Collected: 07/18/2014 15:00

Sample wt/vol: 100(mL) Date Analyzed: 08/06/2014 16:10

Soil Aliquot Vol: Dilution Factor: 2

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75709 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
142-82-5	n-Heptane	100.21	0.25	J D	0.40	0.092
79-01-6	Trichloroethene	131.39	51	D	0.40	0.048
80-62-6	Methyl methacrylate	100.12	0.68	J D	1.0	0.060
78-87-5	1,2-Dichloropropane	112.99	0.16	U	0.40	0.064
123-91-1	1,4-Dioxane	88.11	0.40	U	10	0.40
75-27-4	Bromodichloromethane	163.83	0.060	U	0.40	0.034
10061-01-5	cis-1,3-Dichloropropene	110.97	0.16	U	0.40	0.056
108-10-1	methyl isobutyl ketone	100.16	0.35	J D	1.0	0.054
108-88-3	Toluene	92.14	3.8	D	0.40	0.034
10061-02-6	trans-1,3-Dichloropropene	110.97	0.16	U	0.40	0.044
79-00-5	1,1,2-Trichloroethane	133.41	0.060	U	0.40	0.034
127-18-4	Tetrachloroethene	165.83	1.2	D	0.40	0.032
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.40	U	1.0	0.40
124-48-1	Dibromochloromethane	208.29	0.060	U	0.40	0.040
106-93-4	1,2-Dibromoethane	187.87	0.16	U	0.40	0.040
108-90-7	Chlorobenzene	112.56	0.20	J D	0.40	0.016
100-41-4	Ethylbenzene	106.17	1.1	D	0.40	0.026
179601-23-1	m,p-Xylene	106.17	3.1	D	1.0	0.046
95-47-6	Xylene, o-	106.17	0.99	D	0.40	0.032
1330-20-7	Xylene (total)	106.17	4.1		0.40	0.068
100-42-5	Styrene	104.15	0.59	D	0.40	0.036
75-25-2	Bromoform	252.75	0.060	U	0.40	0.020
98-82-8	Cumene	120.19	0.14	J D	0.40	0.032
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.060	U	0.40	0.032
103-65-1	n-Propylbenzene	120.19	0.21	J D	0.40	0.16
622-96-8	4-Ethyltoluene	120.20	0.28	J D	0.40	0.036
108-67-8	1,3,5-Trimethylbenzene	120.20	0.26	J D	0.40	0.024
95-49-8	2-Chlorotoluene	126.59	0.058	J D	0.40	0.026
98-06-6	tert-Butylbenzene	134.22	0.060	U	0.40	0.034
95-63-6	1,2,4-Trimethylbenzene	120.20	0.86	D	0.40	0.028
135-98-8	sec-Butylbenzene	134.22	0.16	U	0.40	0.16
99-87-6	4-Isopropyltoluene	134.22	0.16	U	0.40	0.16
541-73-1	1,3-Dichlorobenzene	147.00	2.7	D	0.40	0.028
106-46-7	1,4-Dichlorobenzene	147.00	0.060	U	0.40	0.028

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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Client Sample ID: 786VMP0102LA Lab Sample ID: 280-58004-3

Matrix: Air Lab File ID: 8889_006.d

Analysis Method: TO-15 Date Collected: 07/18/2014 15:00

Sample wt/vol: 100(mL) Date Analyzed: 08/06/2014 16:10

Soil Aliquot Vol: Dilution Factor: 2

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75709 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	0.16	U	0.40	0.16
104-51-8	n-Butylbenzene	134.22	0.16	U	0.40	0.16
95-50-1	1,2-Dichlorobenzene	147.00	0.060	U	0.40	0.028
120-82-1	1,2,4-Trichlorobenzene	181.45	0.079	J D	1.0	0.054
87-68-3	Hexachlorobutadiene	260.76	0.16	U	0.40	0.044
91-20-3	Naphthalene	128.17	0.40	U	1.0	0.40

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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Client Sample ID: 786VMP0102LA Lab Sample ID: 280-58004-3

Matrix: Air Lab File ID: 8889_006.d

Analysis Method: TO-15 Date Collected: 07/18/2014 15:00

Sample wt/vol: 100(mL) Date Analyzed: 08/06/2014 16:10

Soil Aliquot Vol: Dilution Factor: 2

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75709 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	2.9	J D	4.9	0.30
75-45-6	Freon 22	86.47	0.92	J D	3.5	0.34
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	1.1	U	2.8	0.49
74-87-3	Chloromethane	50.49	2.1	U	2.1	0.56
106-97-8	n-Butane	58.12	2.9	D	2.4	1.3
75-01-4	Vinyl chloride	62.50	0.41	U	1.0	0.19
106-99-0	1,3-Butadiene	54.09	0.35	U	0.88	0.19
74-83-9	Bromomethane	94.94	0.62	U	1.6	0.22
75-00-3	Chloroethane	64.52	0.42	U	2.6	0.16
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.70	U	1.7	0.26
75-69-4	Trichlorofluoromethane	137.37	1.6	J D	2.2	0.34
76-13-1	Freon TF	187.38	0.84	J D	3.1	0.28
75-35-4	1,1-Dichloroethene	96.94	0.63	U	1.6	0.19
67-64-1	Acetone	58.08	26	D	24	5.9
67-63-0	Isopropyl alcohol	60.10	68	D	25	1.1
75-15-0	Carbon disulfide	76.14	8.2	D	3.1	0.41
107-05-1	3-Chloropropene	76.53	0.50	U	3.1	0.21
75-09-2	Methylene Chloride	84.93	1.4	U	3.5	0.87
75-65-0	tert-Butyl alcohol	74.12	16	J D	30	2.0
1634-04-4	Methyl tert-butyl ether	88.15	1.3	J D	1.4	0.16
156-60-5	trans-1,2-Dichloroethene	96.94	0.63	U	1.6	0.23
110-54-3	n-Hexane	86.17	1.5	D	1.4	0.24
75-34-3	1,1-Dichloroethane	98.96	0.65	U	1.6	0.31
78-93-3	Methyl Ethyl Ketone	72.11	11	D	2.9	1.4
156-59-2	cis-1,2-Dichloroethene	96.94	0.63	U	1.6	0.30
540-59-0	1,2-Dichloroethene, Total	96.94	0.63	U	1.6	0.51
67-66-3	Chloroform	119.38	2.6	D	2.0	0.24
109-99-9	Tetrahydrofuran	72.11	7.5	J D	29	0.27
71-55-6	1,1,1-Trichloroethane	133.41	0.87	U	2.2	0.23
110-82-7	Cyclohexane	84.16	2.7	D M	1.4	0.17
56-23-5	Carbon tetrachloride	153.81	0.53	J D	2.5	0.26
540-84-1	2,2,4-Trimethylpentane	114.23	1.2	J D	1.9	0.25
71-43-2	Benzene	78.11	1.4	D	1.3	0.12
107-06-2	1,2-Dichloroethane	98.96	0.24	U	1.6	0.14

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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Client Sample ID: 786VMP0102LA Lab Sample ID: 280-58004-3

Matrix: Air Lab File ID: 8889_006.d

Analysis Method: TO-15 Date Collected: 07/18/2014 15:00

Sample wt/vol: 100(mL) Date Analyzed: 08/06/2014 16:10

Soil Aliquot Vol: Dilution Factor: 2

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75709 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
142-82-5	n-Heptane	100.21	1.0	J D	1.6	0.38
79-01-6	Trichloroethene	131.39	270	D	2.1	0.26
80-62-6	Methyl methacrylate	100.12	2.8	J D	4.1	0.25
78-87-5	1,2-Dichloropropane	112.99	0.74	U	1.8	0.30
123-91-1	1,4-Dioxane	88.11	1.4	U	36	1.4
75-27-4	Bromodichloromethane	163.83	0.40	U	2.7	0.23
10061-01-5	cis-1,3-Dichloropropene	110.97	0.73	U	1.8	0.25
108-10-1	methyl isobutyl ketone	100.16	1.4	J D	4.1	0.22
108-88-3	Toluene	92.14	14	D	1.5	0.13
10061-02-6	trans-1,3-Dichloropropene	110.97	0.73	U	1.8	0.20
79-00-5	1,1,2-Trichloroethane	133.41	0.33	U	2.2	0.19
127-18-4	Tetrachloroethene	165.83	8.3	D	2.7	0.22
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	1.6	U	4.1	1.6
124-48-1	Dibromochloromethane	208.29	0.51	U	3.4	0.34
106-93-4	1,2-Dibromoethane	187.87	1.2	U	3.1	0.31
108-90-7	Chlorobenzene	112.56	0.90	J D	1.8	0.075
100-41-4	Ethylbenzene	106.17	4.6	D	1.7	0.11
179601-23-1	m,p-Xylene	106.17	13	D	4.3	0.20
95-47-6	Xylene, o-	106.17	4.3	D	1.7	0.14
1330-20-7	Xylene (total)	106.17	18		1.7	0.30
100-42-5	Styrene	104.15	2.5	D	1.7	0.15
75-25-2	Bromoform	252.75	0.62	U	4.1	0.21
98-82-8	Cumene	120.19	0.67	J D	2.0	0.16
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.41	U	2.7	0.22
103-65-1	n-Propylbenzene	120.19	1.0	J D	2.0	0.79
622-96-8	4-Ethyltoluene	120.20	1.4	J D	2.0	0.18
108-67-8	1,3,5-Trimethylbenzene	120.20	1.3	J D	2.0	0.12
95-49-8	2-Chlorotoluene	126.59	0.30	J D	2.1	0.13
98-06-6	tert-Butylbenzene	134.22	0.33	U	2.2	0.19
95-63-6	1,2,4-Trimethylbenzene	120.20	4.2	D	2.0	0.14
135-98-8	sec-Butylbenzene	134.22	0.88	U	2.2	0.88
99-87-6	4-Isopropyltoluene	134.22	0.88	U	2.2	0.88
541-73-1	1,3-Dichlorobenzene	147.00	16	D	2.4	0.17
106-46-7	1,4-Dichlorobenzene	147.00	0.36	U	2.4	0.17

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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Client Sample ID: 786VMP0102LA Lab Sample ID: 280-58004-3

Matrix: Air Lab File ID: 8889_006.d

Analysis Method: TO-15 Date Collected: 07/18/2014 15:00

Sample wt/vol: 100(mL) Date Analyzed: 08/06/2014 16:10

Soil Aliquot Vol: Dilution Factor: 2

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75709 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	0.83	U	2.1	0.83
104-51-8	n-Butylbenzene	134.22	0.88	U	2.2	0.88
95-50-1	1,2-Dichlorobenzene	147.00	0.36	U	2.4	0.17
120-82-1	1,2,4-Trichlorobenzene	181.45	0.59	J D	7.4	0.40
87-68-3	Hexachlorobutadiene	260.76	1.7	U	4.3	0.47
91-20-3	Naphthalene	128.17	2.1	U	5.2	2.1

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140806-8889.b\8889_006.d
Lims ID: 280-58004-A-3 Lab Sample ID: 200-58004-3
Client ID: 786VMP0102LA
Sample Type: Client
Inject. Date: 06-Aug-2014 16:10:30 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 200.000 mL Dil. Factor: 2.0000
Sample Info: 200-0008889-006
Misc. Info.: 280-58004-A-3
Operator ID: BPL Instrument ID: CHW.i

Method: \\BTV-LIMS1\ChromData\CHW.i\20140806-8889.b\TO15_LLNJ_TO3_W_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 07-Aug-2014 09:51:30 Calib Date: 15-Jun-2014 00:33:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20140613-8058.b\8058_017.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK003

First Level Reviewer: lyonsb Date: 07-Aug-2014 09:47:53

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
	2 Dichlorodifluoromethane	85	4.483	4.488	-0.005	99	35288	0.2940	
	6 Chlorodifluoromethane	51	4.542	4.552	-0.010	95	7775	0.1296	
	7 1,2-Dichloro-1,1,2,2-tetra	85		4.841				ND	
	8 Chloromethane	50		5.034				ND	
	9 Butane	43	5.291	5.296	-0.005	98	35581	0.6046	
	10 Vinyl chloride	62		5.355				ND	
	11 Butadiene	54		5.451				ND	
	12 Bromomethane	94		6.318				ND	
	14 Chloroethane	64		6.596				ND	
	16 Vinyl bromide	106		7.077				ND	
	17 Trichlorofluoromethane	101	7.185	7.190	-0.005	98	19177	0.1448	
	23 1,1,2-Trichloro-1,2,2-trif	101	8.447	8.436	0.011	83	5553	0.0547	
	24 1,1-Dichloroethene	96		8.511				ND	
	25 Acetone	43	8.747	8.741	0.006	90	341966	5.46	
	26 Carbon disulfide	76	9.004	8.998	0.006	99	164071	1.32	
	27 Isopropyl alcohol	45	9.030	9.025	0.005	98	730576	13.8	
	29 3-Chloro-1-propene	41		9.399				ND	
	31 Methylene Chloride	49		9.731				ND	
	32 2-Methyl-2-propanol	59	9.902	9.897	0.005	99	197119	2.58	
	33 Methyl tert-butyl ether	73	10.154	10.148	0.006	93	23662	0.1779	
S	41 1,2-Dichloroethene, Total	61		10.200				0	
	34 trans-1,2-Dichloroethene	61		10.223				ND	
	36 Hexane	57	10.641	10.640	0.001	80	15816	0.2186	
	37 1,1-Dichloroethane	63		11.191				ND	
	39 cis-1,2-Dichloroethene	96		12.363				ND	
	40 2-Butanone (MEK)	72	12.379	12.373	0.006	98	50170	1.90	
	44 Tetrahydrofuran	42	12.845	12.834	0.011	37	53918	1.28	
*	43 Chlorobromomethane	128	12.845	12.844	0.001	74	410447	10.0	
	45 Chloroform	83	12.957	12.957	0.000	98	26243	0.2686	
	46 Cyclohexane	84	13.262	13.251	0.011	85	28920	0.3926	M
	47 1,1,1-Trichloroethane	97		13.262				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
48 Carbon tetrachloride	117	13.519	13.518	0.001	75	4824	0.0419	
51 Isooctane	57	13.909	13.909	0.000	98	28330	0.1284	
50 Benzene	78	13.968	13.968	0.000	93	33254	0.2133	
52 1,2-Dichloroethane	62		14.128				ND	
53 n-Heptane	43	14.262	14.257	0.005	86	10101	0.1268	
* 54 1,4-Difluorobenzene	114	14.728	14.727	0.001	92	1987245	10.0	
56 Trichloroethene	95	15.193	15.193	0.000	91	1866253	25.6	
58 1,2-Dichloropropane	63		15.712				ND	
59 Methyl methacrylate	69	15.798	15.797	0.001	89	17898	0.3392	
60 1,4-Dioxane	88		15.883				ND	
62 Dichlorobromomethane	83		16.204				ND	
64 cis-1,3-Dichloropropene	75		17.065				ND	
65 4-Methyl-2-pentanone (MIBK	43	17.296	17.295	0.001	93	16119	0.1759	
66 Toluene	92	17.638	17.638	0.000	92	249465	1.88	
70 trans-1,3-Dichloropropene	75		18.173				ND	
71 1,1,2-Trichloroethane	83		18.536				ND	
72 Tetrachloroethene	166	18.681	18.681	0.000	95	83912	0.6121	
73 2-Hexanone	43		18.922				ND	
74 Chlorodibromomethane	129		19.296				ND	
75 Ethylene Dibromide	107		19.580				ND	
S 82 Xylenes, Total	106				0		2.05	
* 76 Chlorobenzene-d5	117	20.425	20.425	0.000	81	1862489	10.0	
77 Chlorobenzene	112	20.479	20.478	0.001	95	17916	0.0979	
78 Ethylbenzene	91	20.591	20.591	0.000	96	139178	0.5288	
80 m-Xylene & p-Xylene	106	20.810	20.810	0.000	99	174493	1.55	
83 o-Xylene	106	21.522	21.521	0.001	95	57132	0.4974	
84 Styrene	104	21.559	21.564	-0.005	96	48857	0.2932	
85 Bromoform	173		21.944				ND	
86 Isopropylbenzene	105	22.089	22.089	0.000	94	21531	0.0686	
$ 87 4-Bromofluorobenzene	95	22.426	22.426	0.000	97	1249168	NC	
88 1,1,2,2-Tetrachloroethane	83		22.650				ND	
90 N-Propylbenzene	91	22.720	22.725	-0.005	99	36486	0.1041	
91 4-Ethyltoluene	105	22.891	22.891	0.000	97	43344	0.1388	
92 2-Chlorotoluene	91	22.923	22.923	0.000	73	7410	0.0290	
94 1,3,5-Trimethylbenzene	105	22.982	22.982	0.000	94	34225	0.1283	
96 tert-Butylbenzene	119		23.458				ND	
97 1,2,4-Trimethylbenzene	105	23.549	23.549	0.000	96	114723	0.4278	
98 sec-Butylbenzene	105		23.790				ND	
99 4-Isopropyltoluene	119		23.988				ND	
100 1,3-Dichlorobenzene	146	24.063	24.063	0.000	98	279861	1.35	
101 1,4-Dichlorobenzene	146		24.207				ND	
102 Benzyl chloride	91		24.416				ND	
103 n-Butylbenzene	91		24.624				ND	
105 1,2-Dichlorobenzene	146		24.812				ND	
107 1,2,4-Trichlorobenzene	180	27.695	27.690	0.005	92	6523	0.0397	
108 Hexachlorobutadiene	225		27.893				ND	
109 Naphthalene	128		28.278				ND	

QC Flag Legend

Processing Flags
NC - Not Calibrated
ND - Not Detected or Marked ND

Review Flags
M - Manually Integrated

Reagents:

ATTO15WISs_00003 Amount Added: 20.00 Units: mL Run Reagent

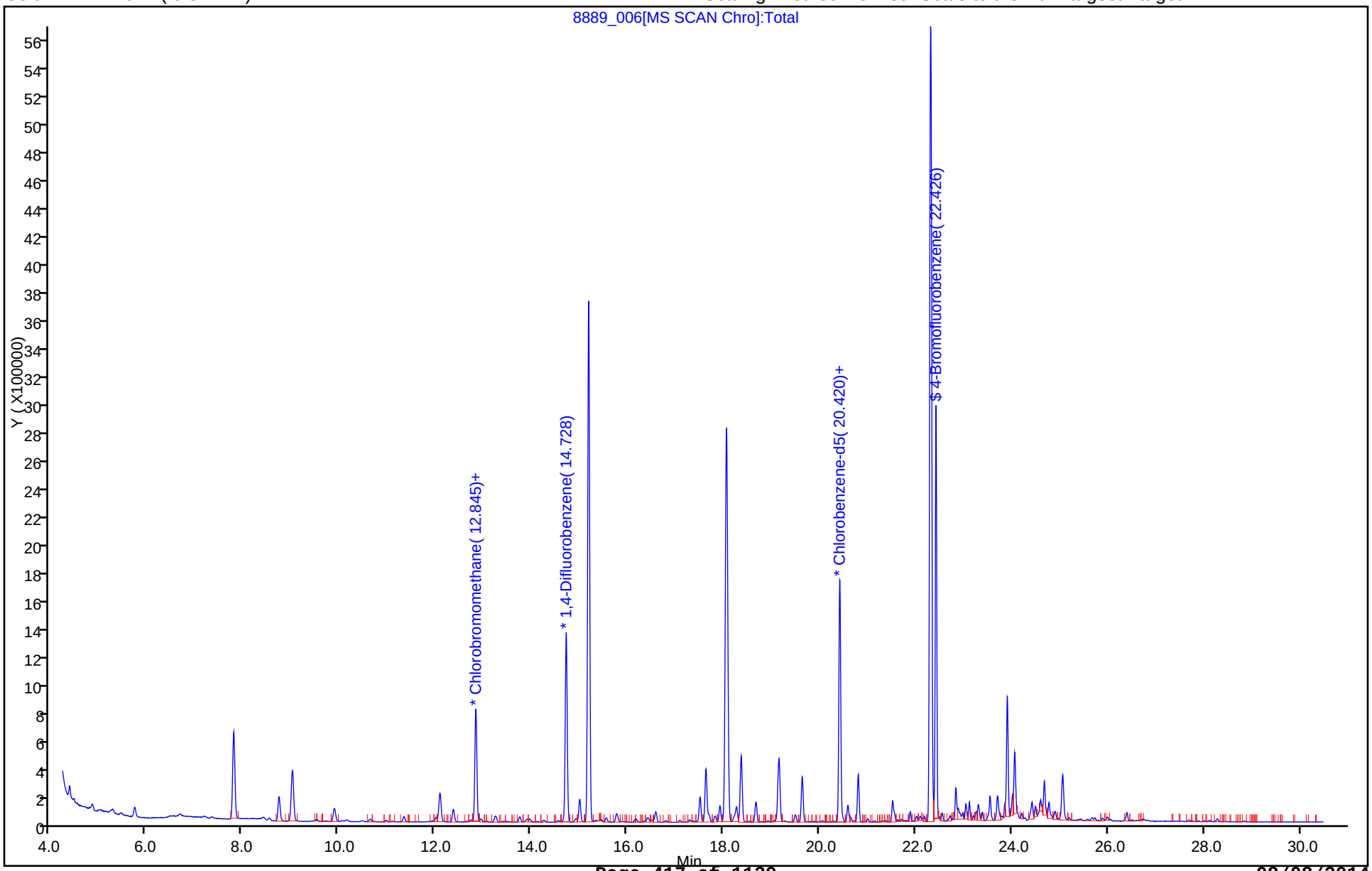
Report Date: 07-Aug-2014 09:51:32 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140806-8889.b\8889_006.d

Injection Date:	06-Aug-2014 16:10:30	Instrument ID:	CHW.i	Operator ID:	BPL
Lims ID:	280-58004-A-3	Lab Sample ID:	200-58004-3	Worklist Smp#:	6
Client ID:	786VMP0102LA				
Purge Vol:	200.000 mL	Dil. Factor:	2.0000	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



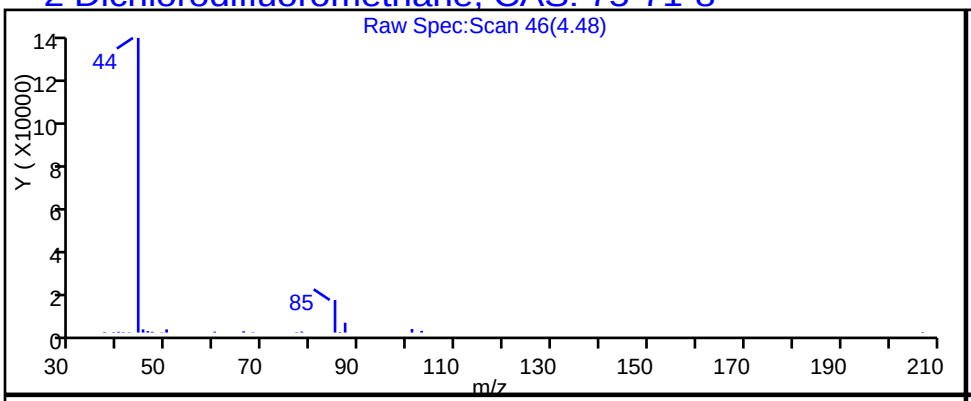
Report Date: 07-Aug-2014 09:51:32 Chrom Revision: 2.2 24-Jun-2014 07:21:42

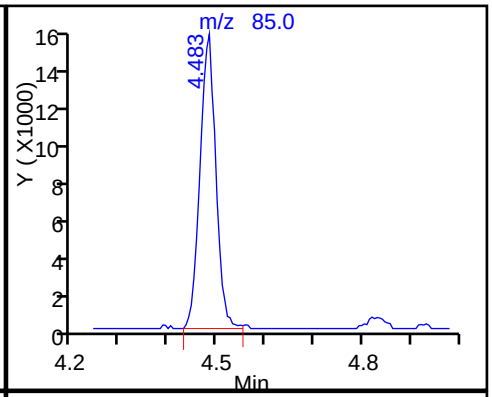
TestAmerica Burlington

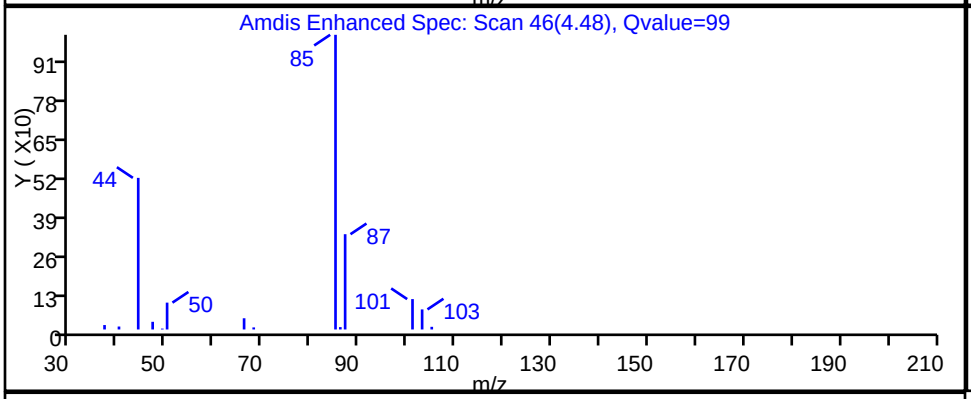
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140806-8889.b\8889_006.d

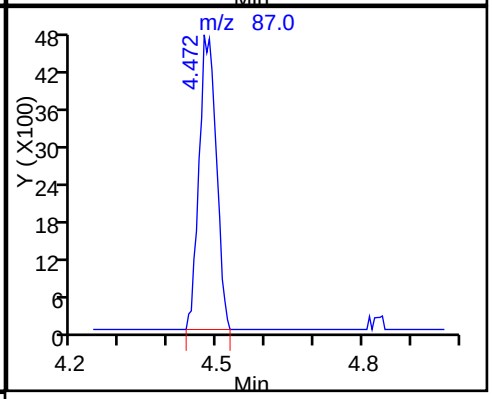
Injection Date:	06-Aug-2014 16:10:30	Instrument ID:	CHW.i		
Lims ID:	280-58004-A-3	Lab Sample ID:	200-58004-3		
Client ID:	786VMP0102LA				
Operator ID:	BPL	ALS Bottle#:	5	Worklist Smp#:	6
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

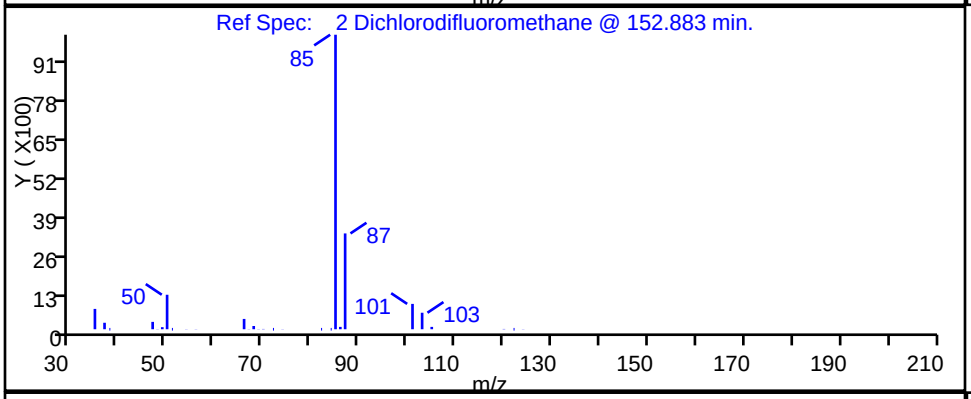
2 Dichlorodifluoromethane, CAS: 75-71-8

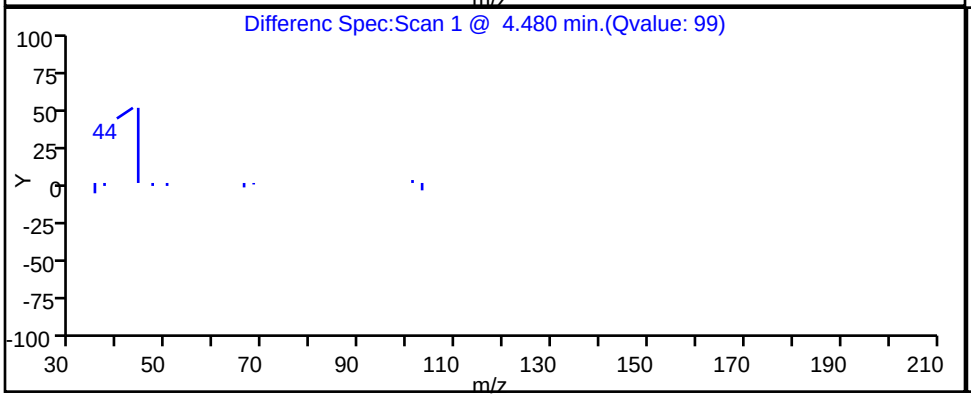


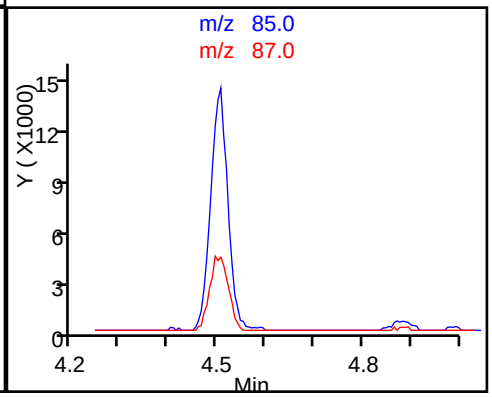












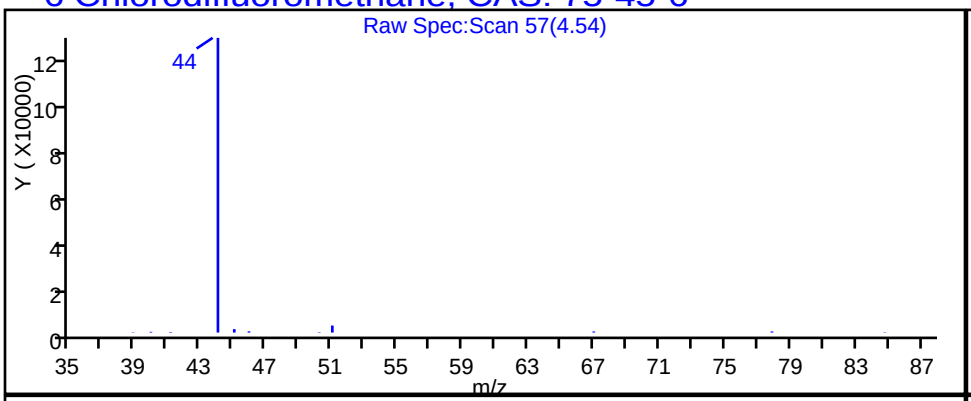
Report Date: 07-Aug-2014 09:51:32 Chrom Revision: 2.2 24-Jun-2014 07:21:42

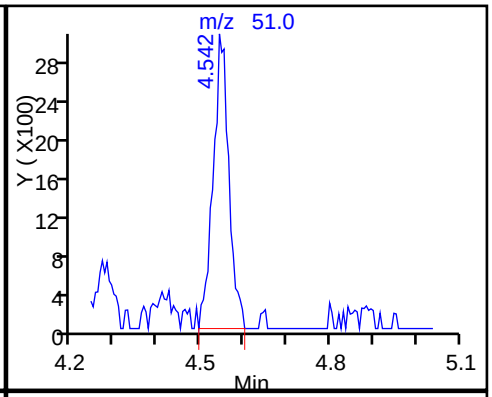
TestAmerica Burlington

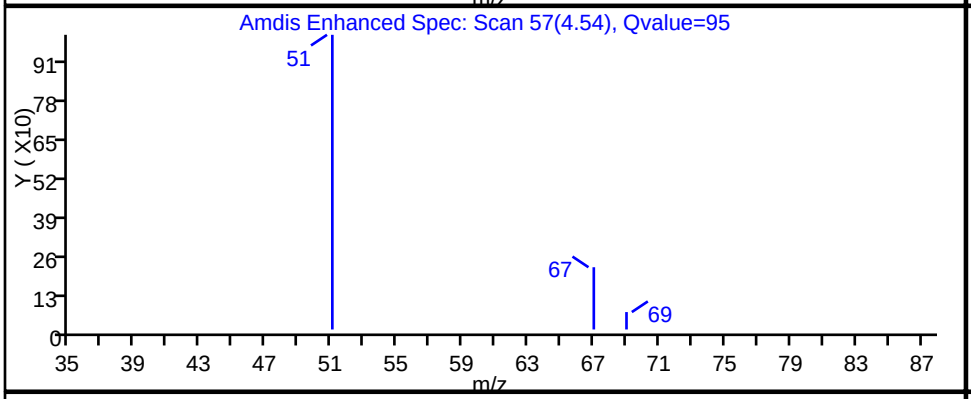
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140806-8889.b\8889_006.d

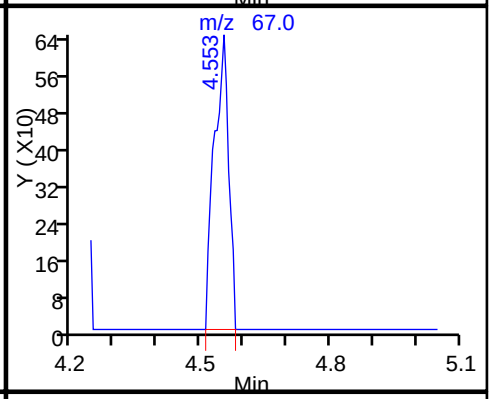
Injection Date:	06-Aug-2014 16:10:30	Instrument ID:	CHW.i		
Lims ID:	280-58004-A-3	Lab Sample ID:	200-58004-3		
Client ID:	786VMP0102LA				
Operator ID:	BPL	ALS Bottle#:	5	Worklist Smp#:	6
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

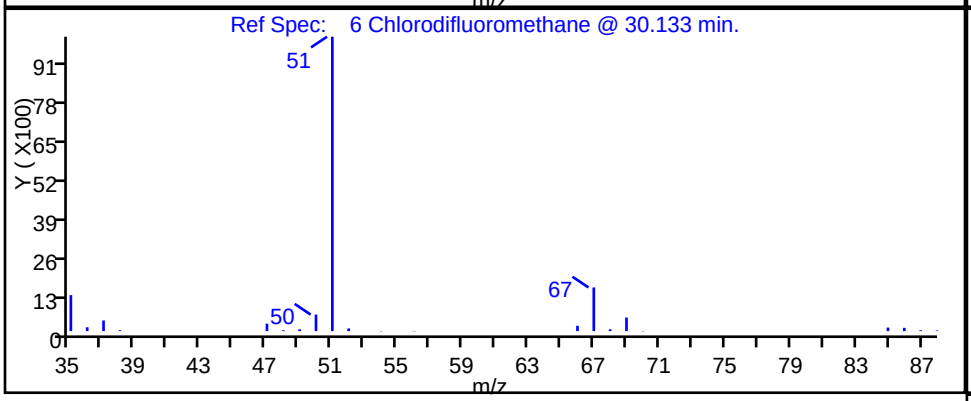
6 Chlorodifluoromethane, CAS: 75-45-6

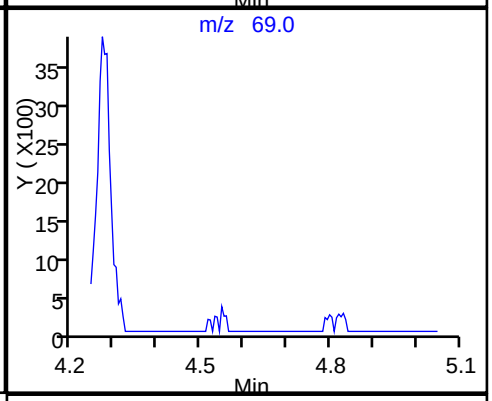


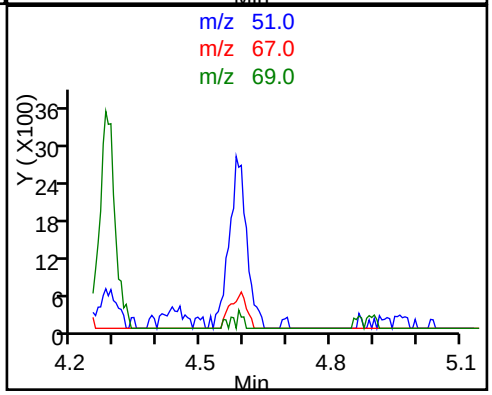












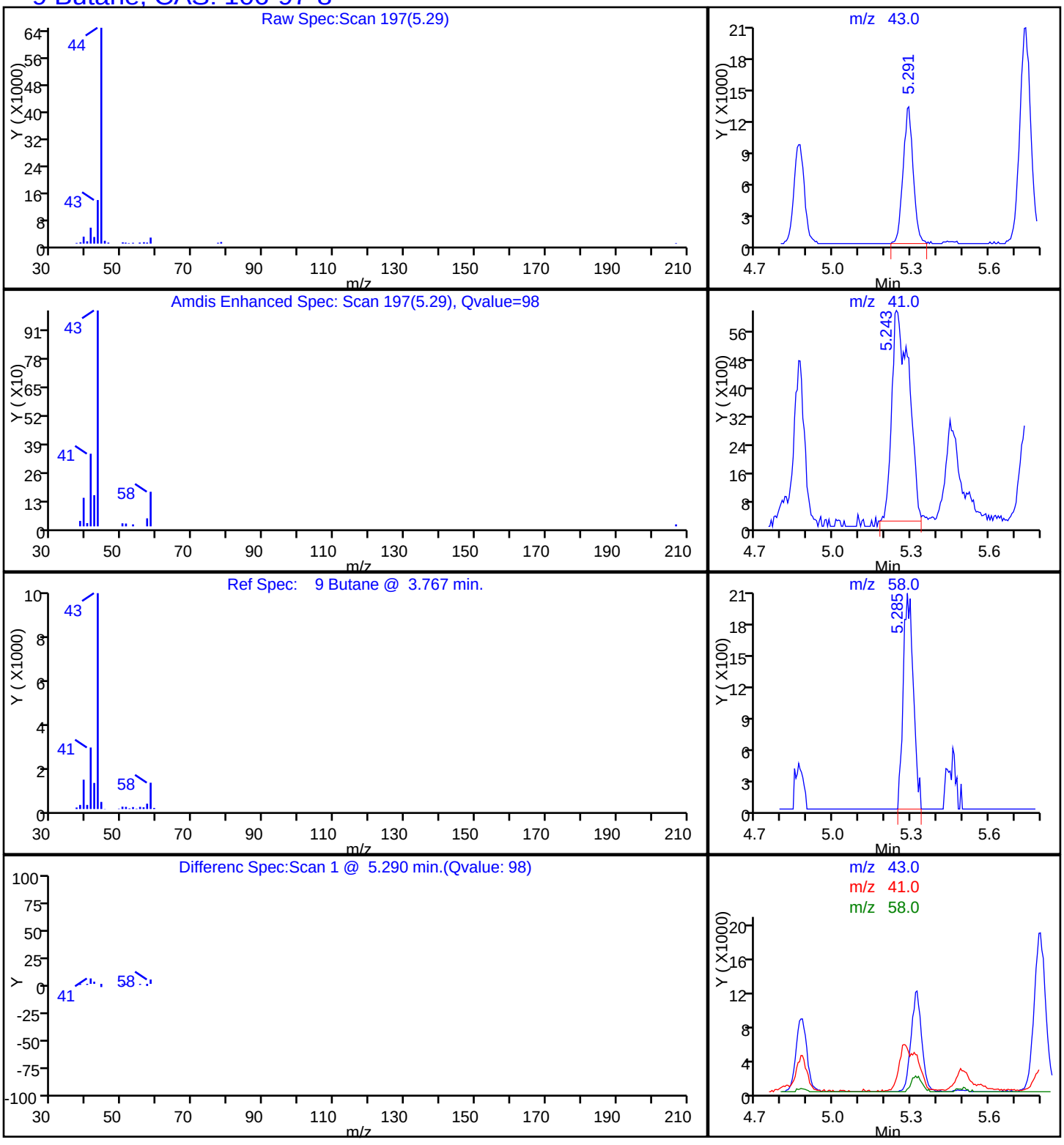
Report Date: 07-Aug-2014 09:51:32 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140806-8889.b\8889_006.d

Injection Date:	06-Aug-2014 16:10:30	Instrument ID:	CHW.i		
Lims ID:	280-58004-A-3	Lab Sample ID:	200-58004-3		
Client ID:	786VMP0102LA				
Operator ID:	BPL	ALS Bottle#:	5	Worklist Smp#:	6
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
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



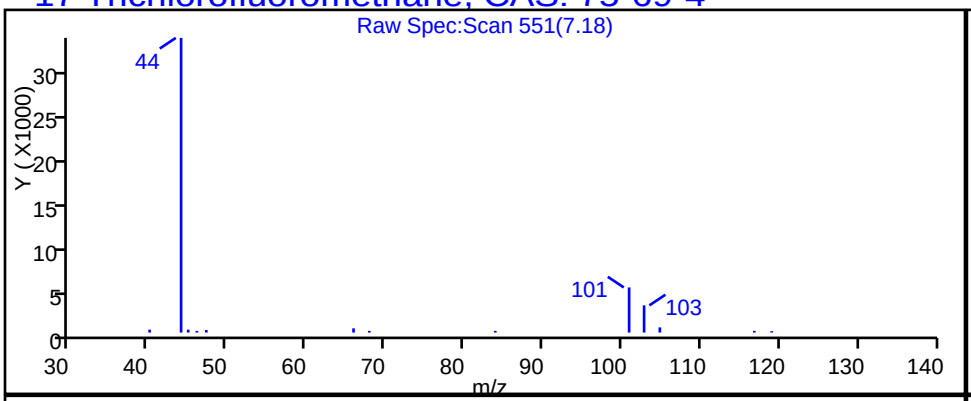
Report Date: 07-Aug-2014 09:51:32 Chrom Revision: 2.2 24-Jun-2014 07:21:42

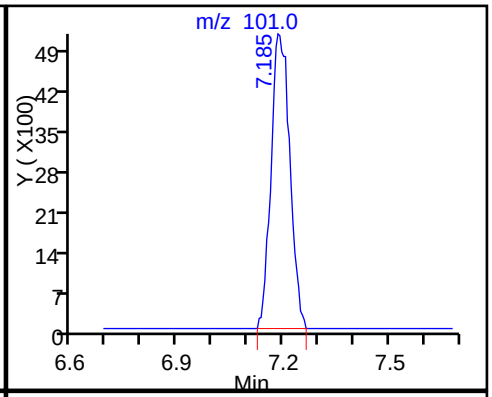
TestAmerica Burlington

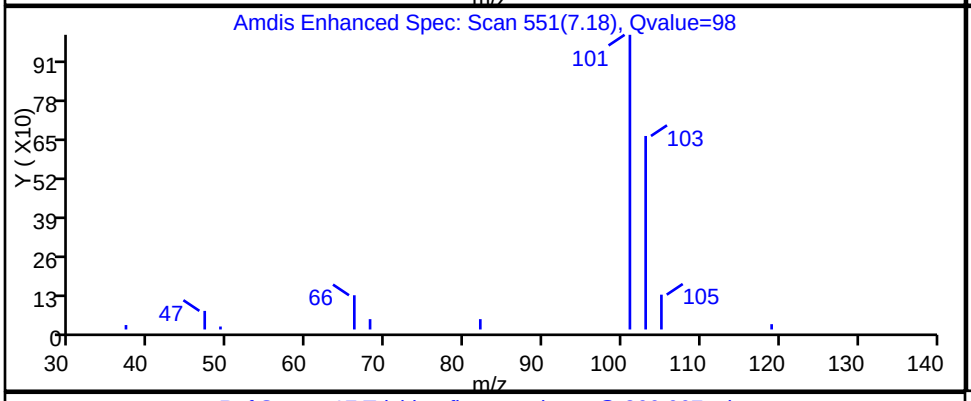
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140806-8889.b\8889_006.d

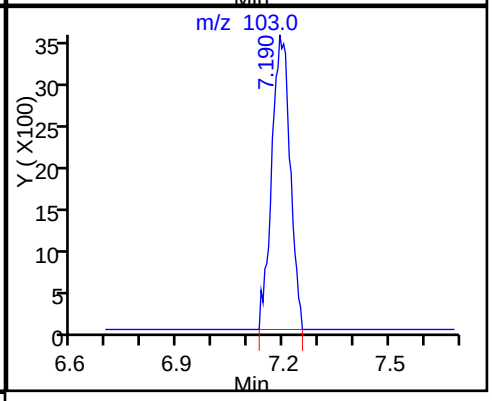
Injection Date:	06-Aug-2014 16:10:30	Instrument ID:	CHW.i		
Lims ID:	280-58004-A-3	Lab Sample ID:	200-58004-3		
Client ID:	786VMP0102LA				
Operator ID:	BPL	ALS Bottle#:	5	Worklist Smp#:	6
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

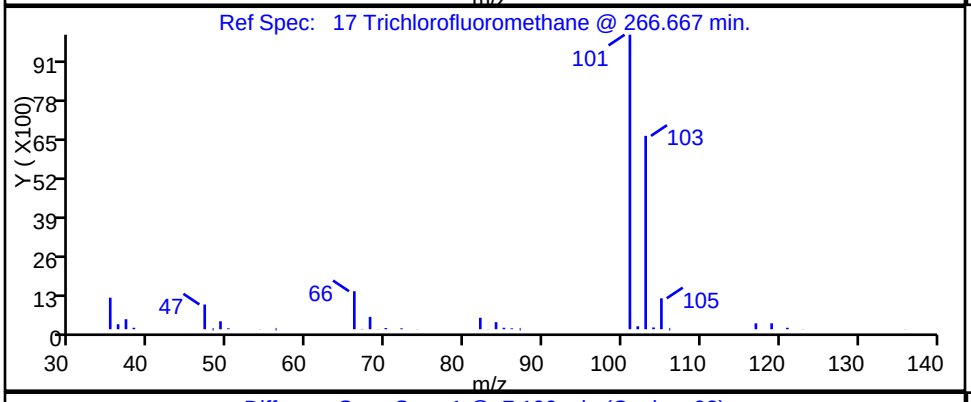
17 Trichlorofluoromethane, CAS: 75-69-4

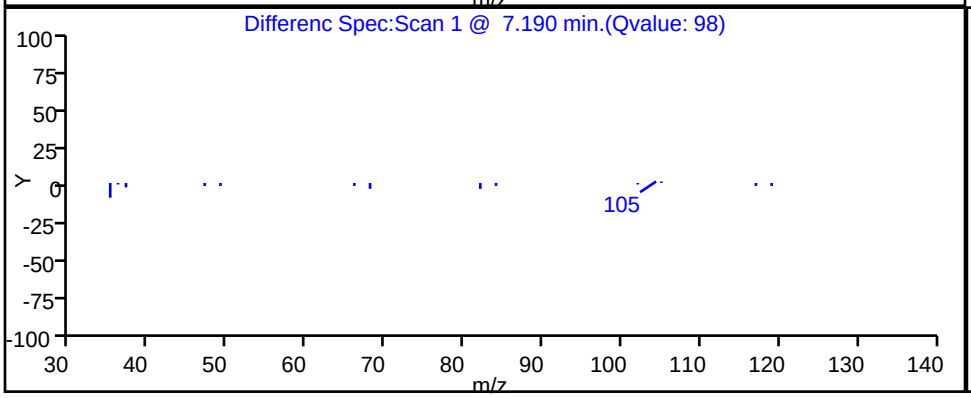


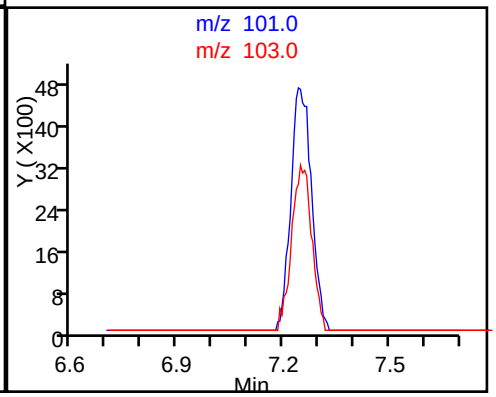












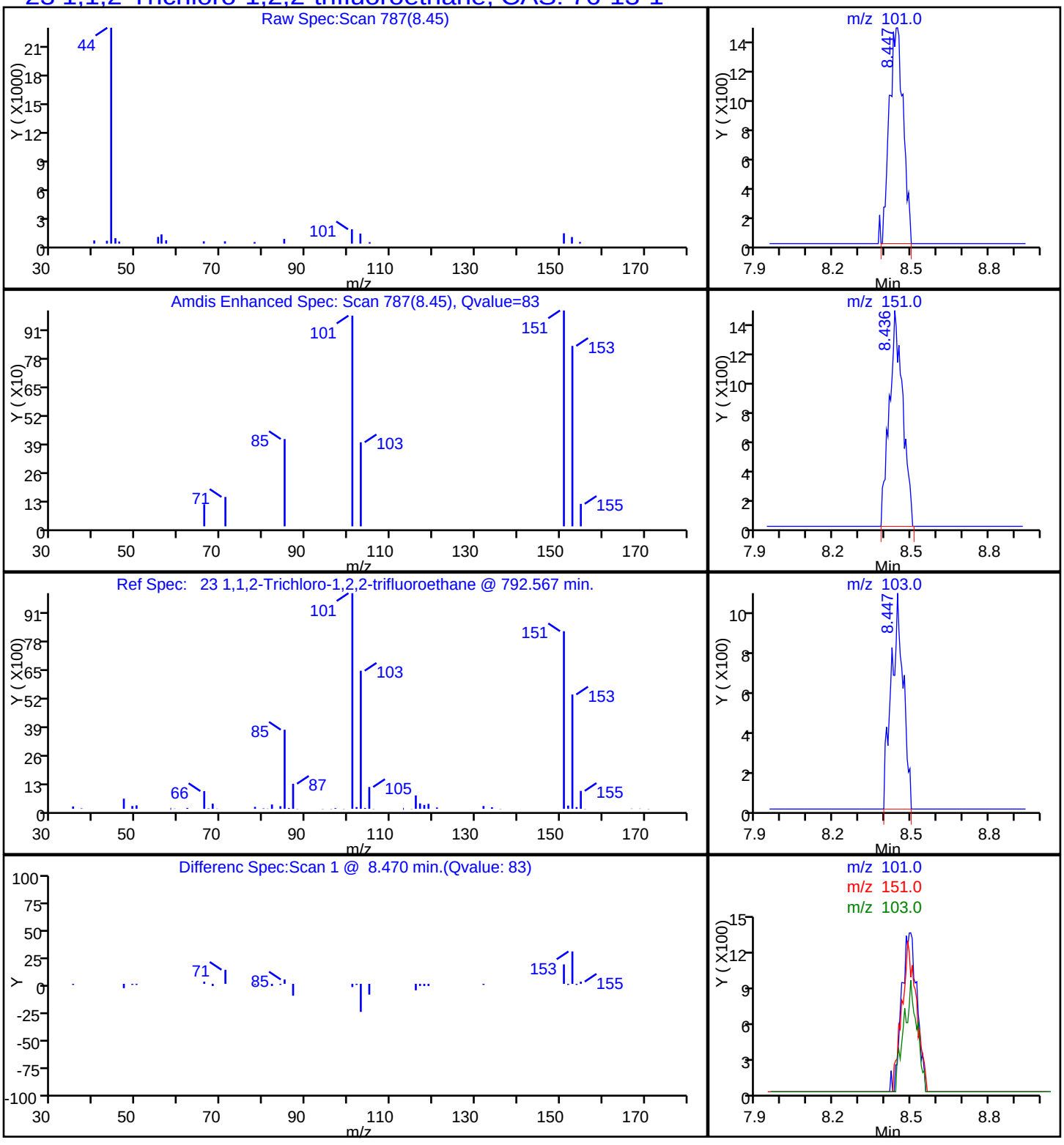
Report Date: 07-Aug-2014 09:51:32 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140806-8889.b\8889_006.d

Injection Date:	06-Aug-2014 16:10:30	Instrument ID:	CHW.i		
Lims ID:	280-58004-A-3	Lab Sample ID:	200-58004-3		
Client ID:	786VMP0102LA				
Operator ID:	BPL	ALS Bottle#:	5	Worklist Smp#:	6
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

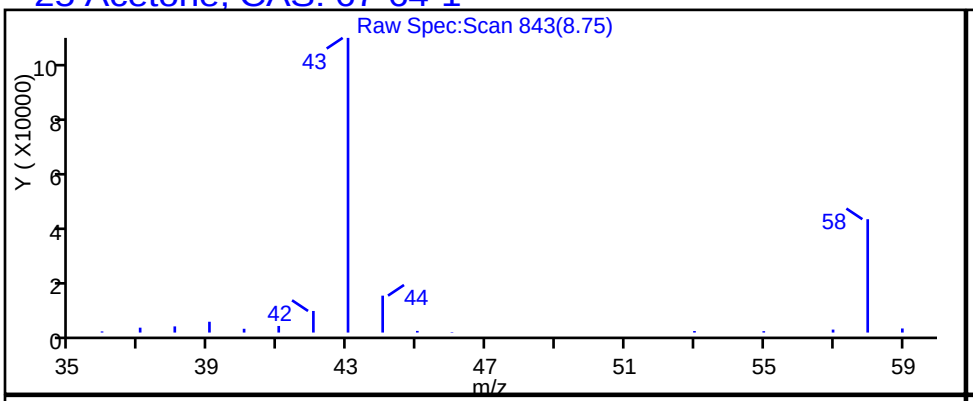
23 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

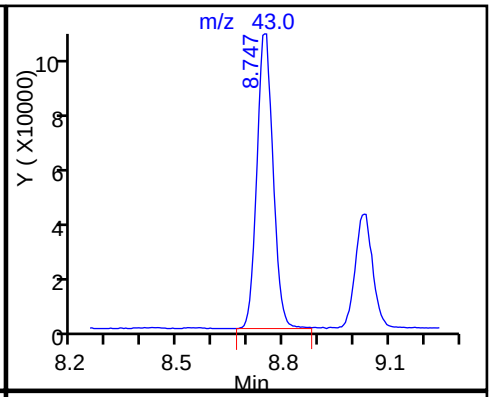


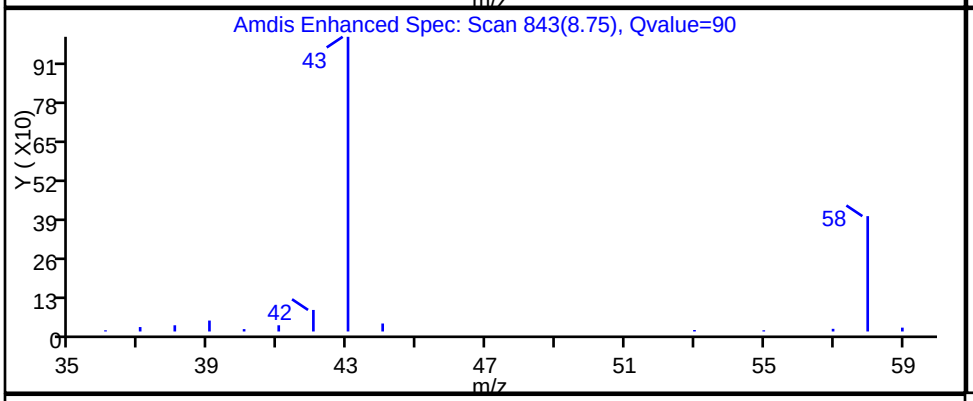
TestAmerica Burlington

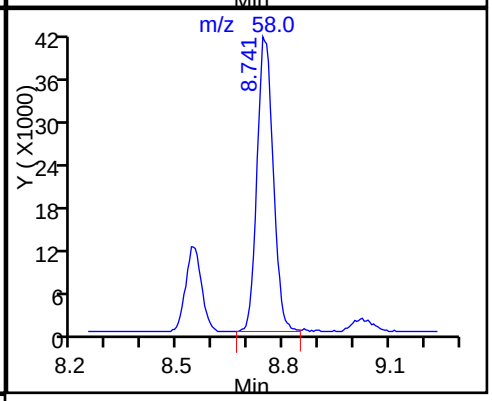
Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140806-8889.b\8889_006.d				
Injection Date:	06-Aug-2014 16:10:30	Instrument ID:	CHW.i		
Lims ID:	280-58004-A-3	Lab Sample ID:	200-58004-3		
Client ID:	786VMP0102LA				
Operator ID:	BPL	ALS Bottle#:	5	Worklist Smp#:	6
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

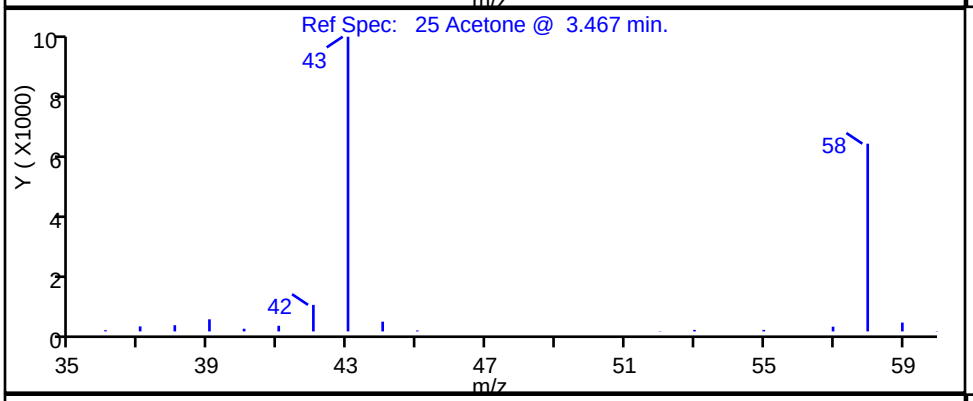
25 Acetone, CAS: 67-64-1

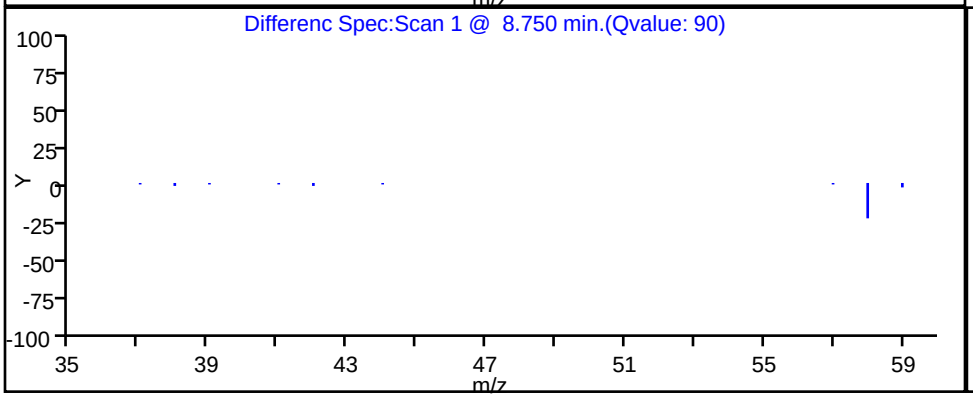


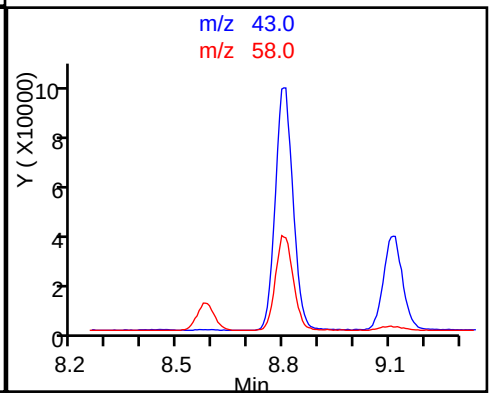












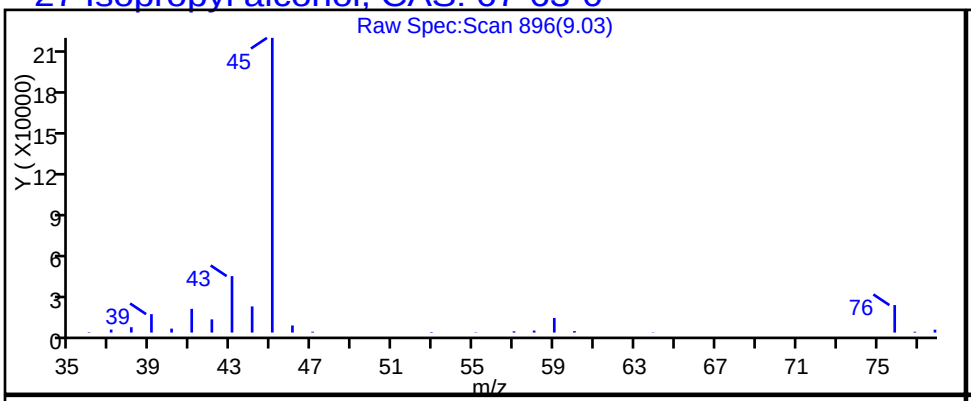
Report Date: 07-Aug-2014 09:51:32 Chrom Revision: 2.2 24-Jun-2014 07:21:42

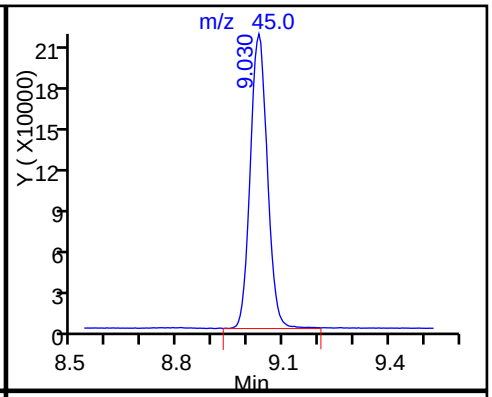
TestAmerica Burlington

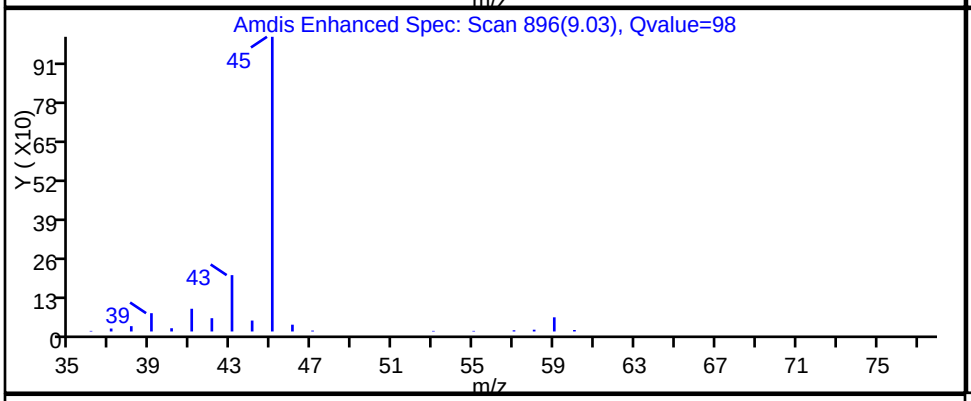
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140806-8889.b\8889_006.d

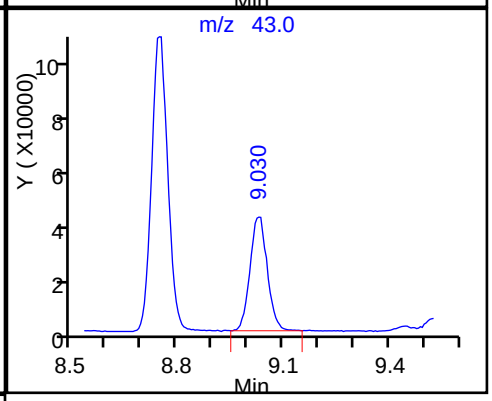
Injection Date:	06-Aug-2014 16:10:30	Instrument ID:	CHW.i		
Lims ID:	280-58004-A-3	Lab Sample ID:	200-58004-3		
Client ID:	786VMP0102LA				
Operator ID:	BPL	ALS Bottle#:	5	Worklist Smp#:	6
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

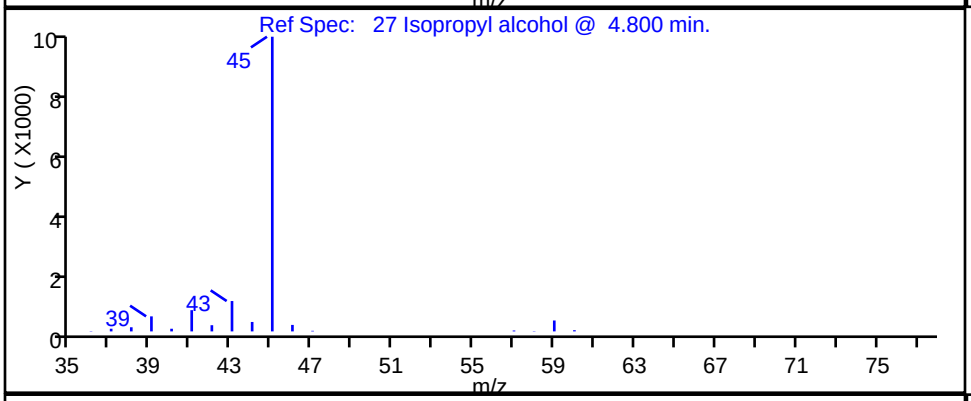
27 Isopropyl alcohol, CAS: 67-63-0

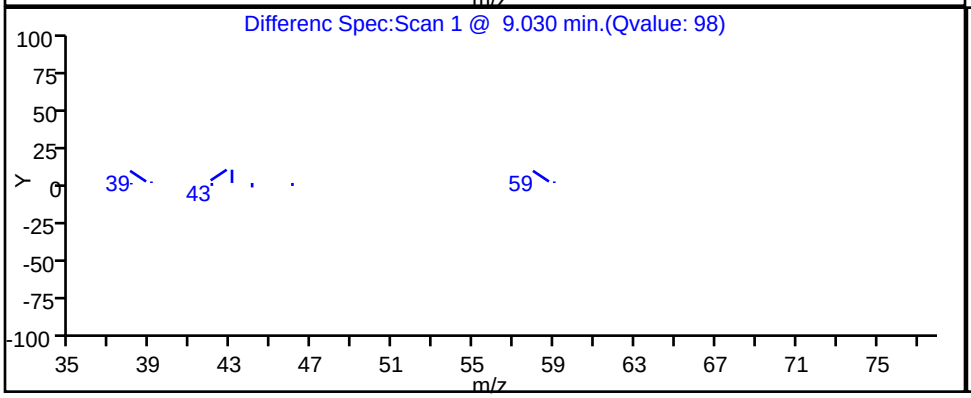


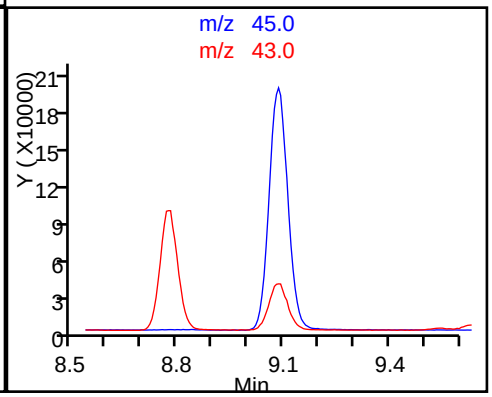








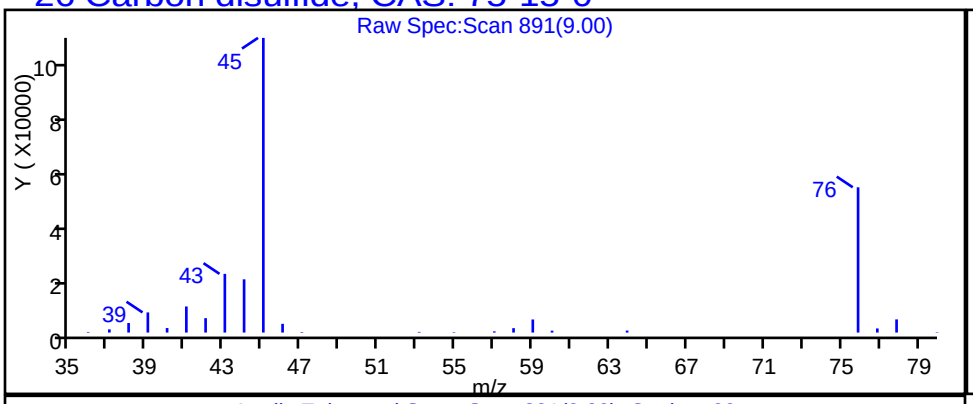


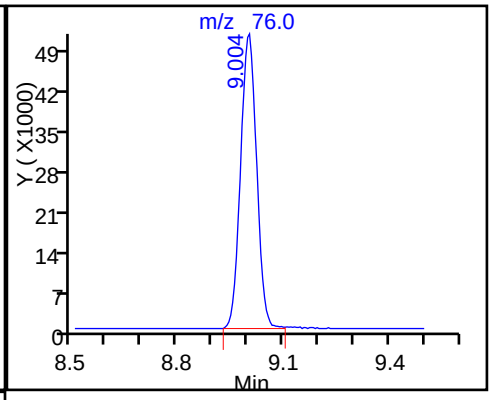


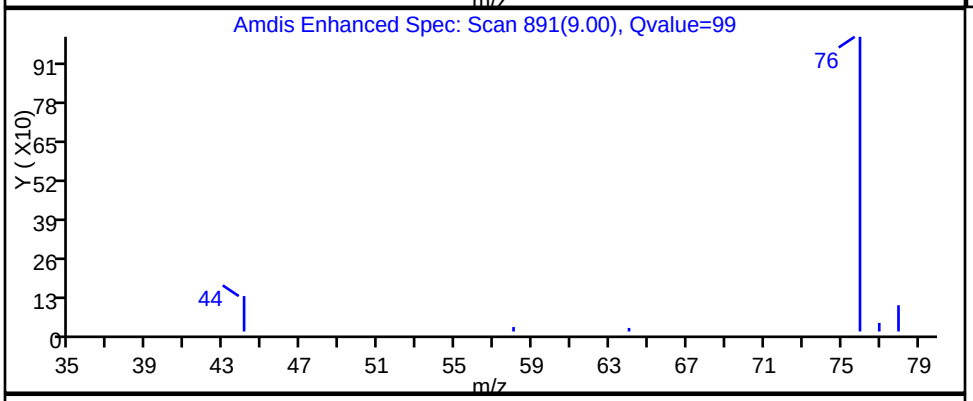
TestAmerica Burlington

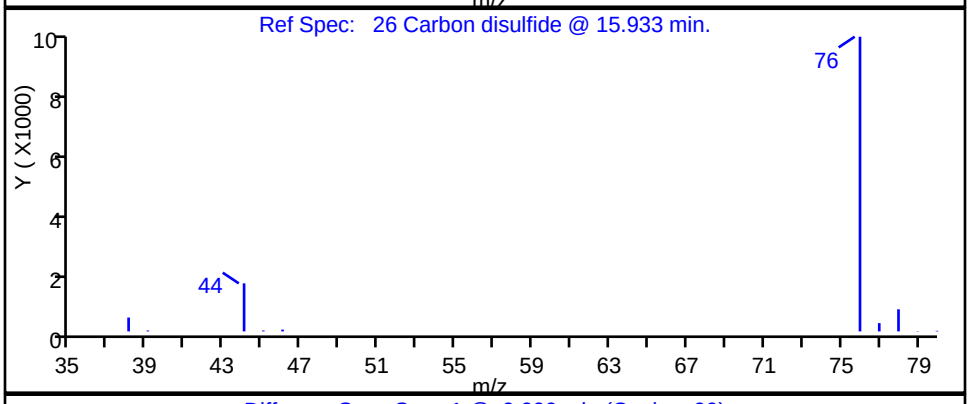
Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140806-8889.b\8889_006.d				
Injection Date:	06-Aug-2014 16:10:30	Instrument ID:	CHW.i		
Lims ID:	280-58004-A-3	Lab Sample ID:	200-58004-3		
Client ID:	786VMP0102LA				
Operator ID:	BPL	ALS Bottle#:	5	Worklist Smp#:	6
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

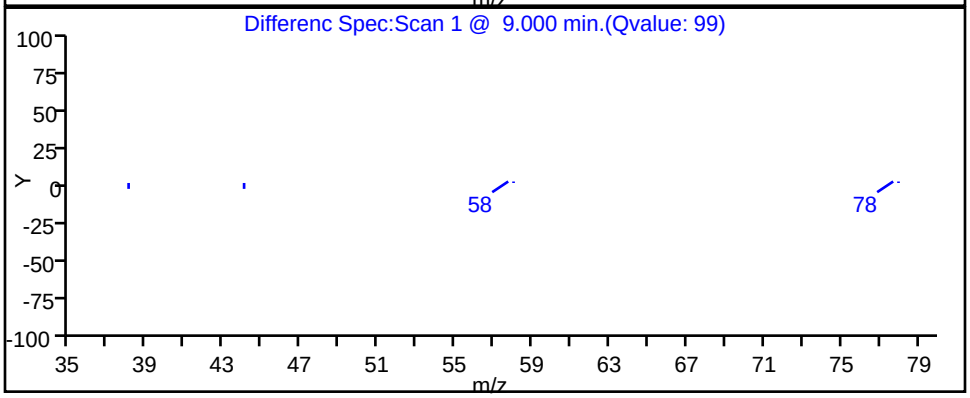
26 Carbon disulfide, CAS: 75-15-0







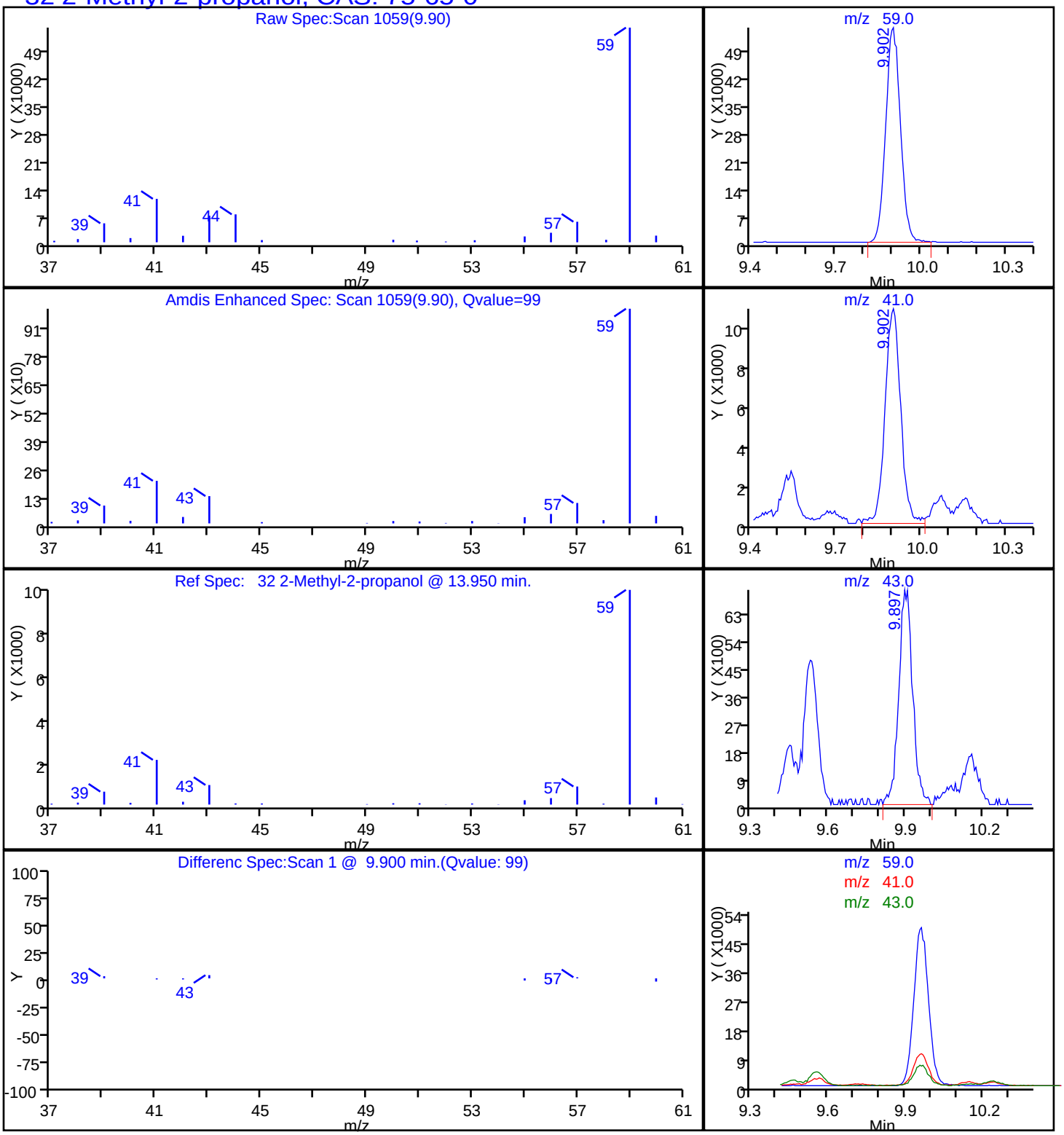




TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140806-8889.b\8889_006.d				
Injection Date:	06-Aug-2014 16:10:30	Instrument ID:	CHW.i		
Lims ID:	280-58004-A-3	Lab Sample ID:	200-58004-3		
Client ID:	786VMP0102LA				
Operator ID:	BPL	ALS Bottle#:	5	Worklist Smp#:	6
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
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



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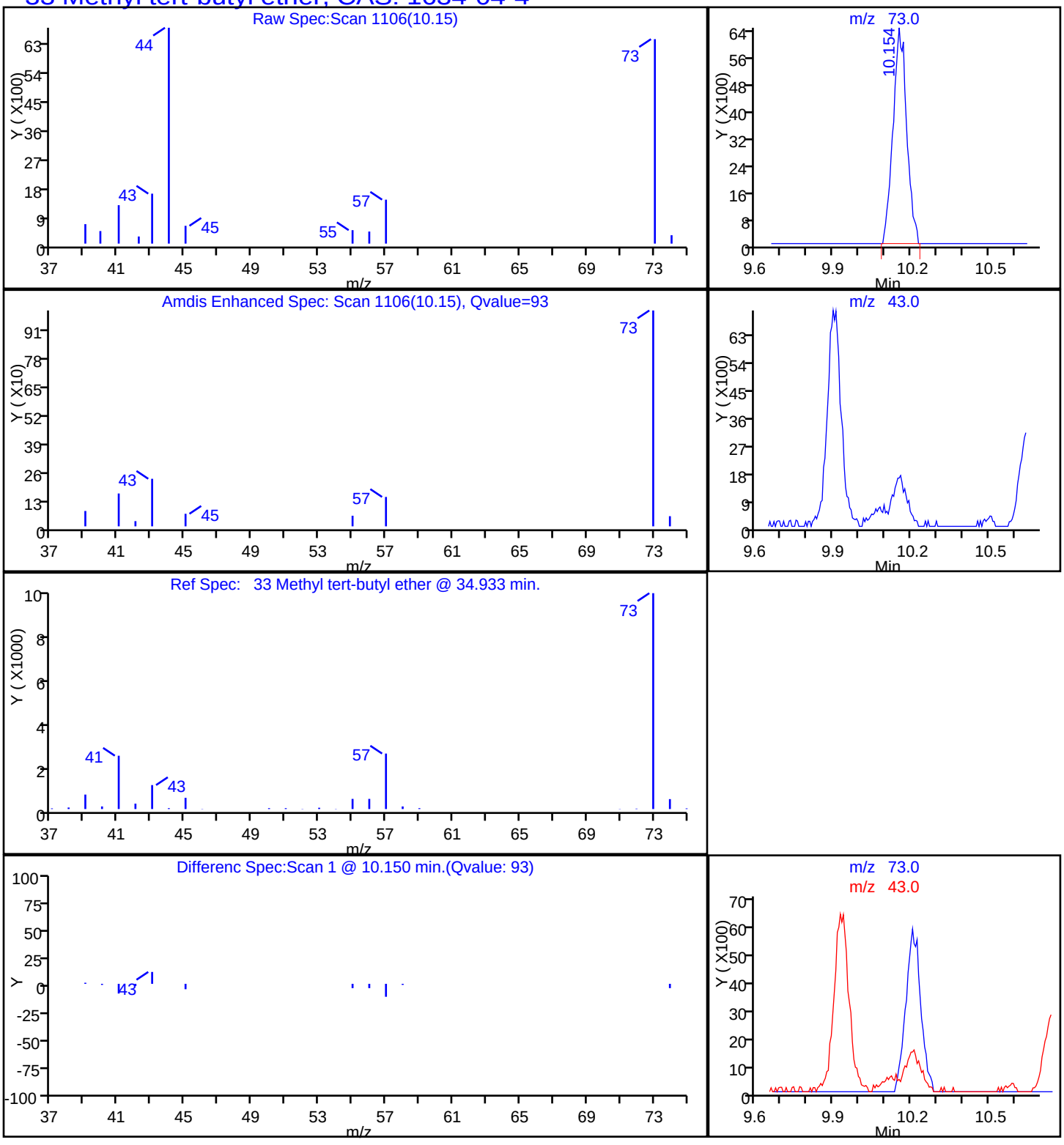
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140806-8889.b\8889_006.d

Injection Date:	06-Aug-2014 16:10:30	Instrument ID:	CHW.i		
Lims ID:	280-58004-A-3	Lab Sample ID:	200-58004-3		
Client ID:	786VMP0102LA				
Operator ID:	BPL	ALS Bottle#:	5	Worklist Smp#:	6
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
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



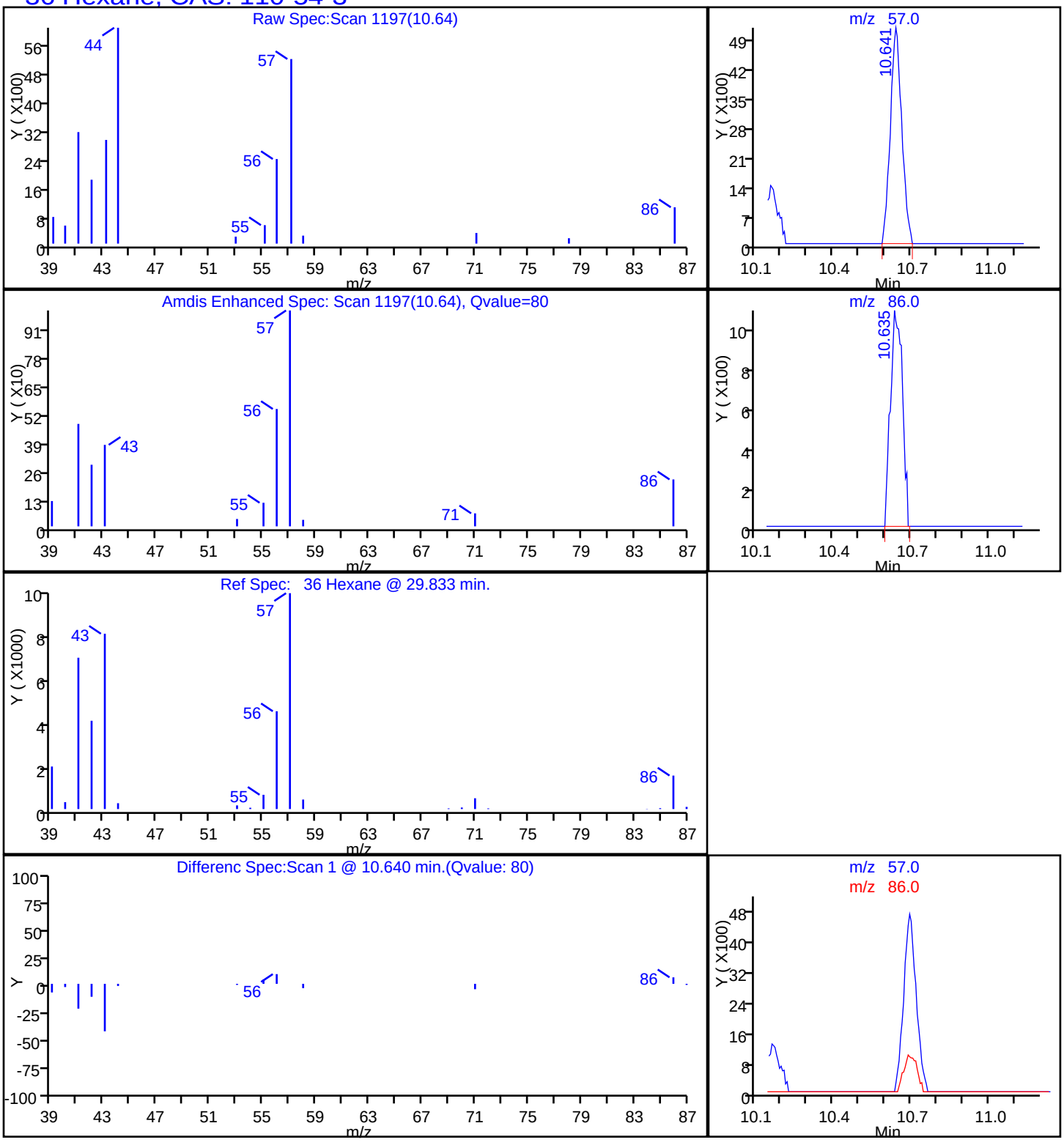
Report Date: 07-Aug-2014 09:51:32 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140806-8889.b\8889_006.d

Injection Date:	06-Aug-2014 16:10:30	Instrument ID:	CHW.i		
Lims ID:	280-58004-A-3	Lab Sample ID:	200-58004-3		
Client ID:	786VMP0102LA				
Operator ID:	BPL	ALS Bottle#:	5	Worklist Smp#:	6
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
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



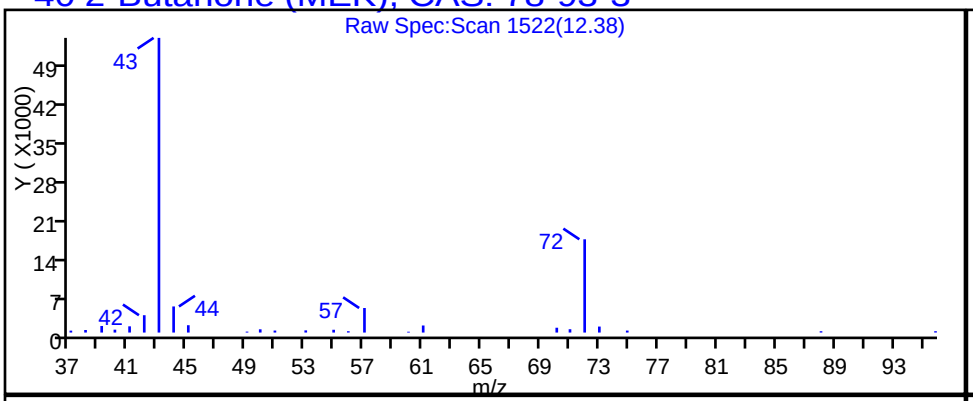
Report Date: 07-Aug-2014 09:51:32 Chrom Revision: 2.2 24-Jun-2014 07:21:42

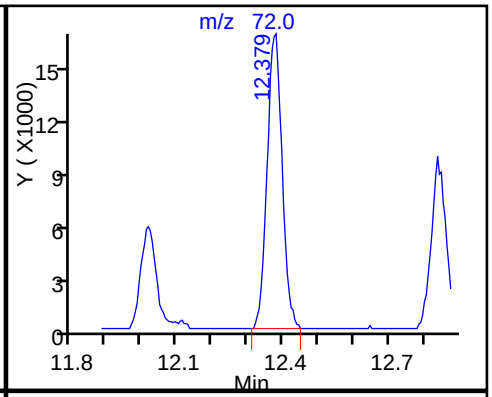
TestAmerica Burlington

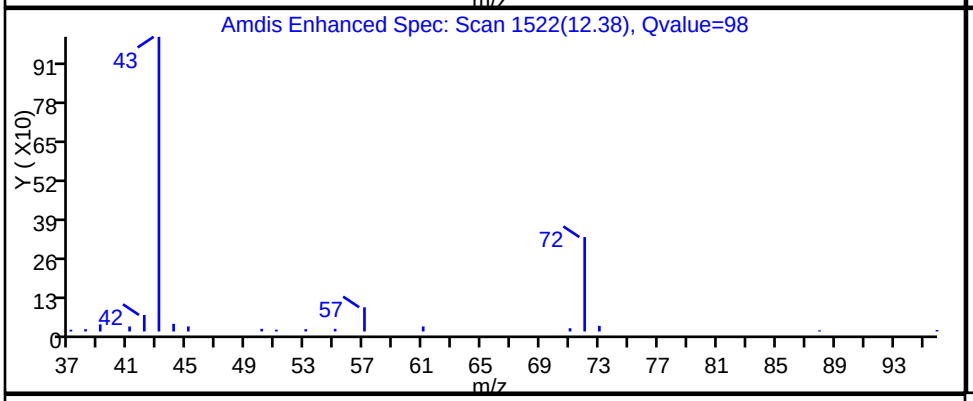
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140806-8889.b\8889_006.d

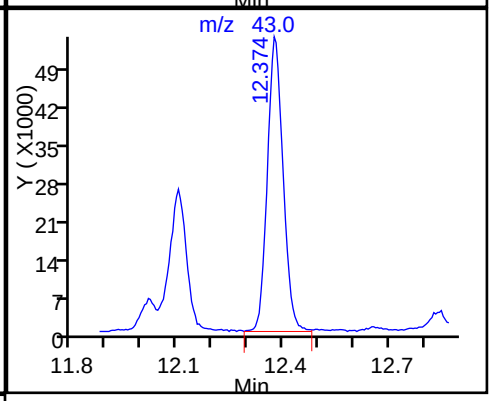
Injection Date:	06-Aug-2014 16:10:30	Instrument ID:	CHW.i		
Lims ID:	280-58004-A-3	Lab Sample ID:	200-58004-3		
Client ID:	786VMP0102LA				
Operator ID:	BPL	ALS Bottle#:	5	Worklist Smp#:	6
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

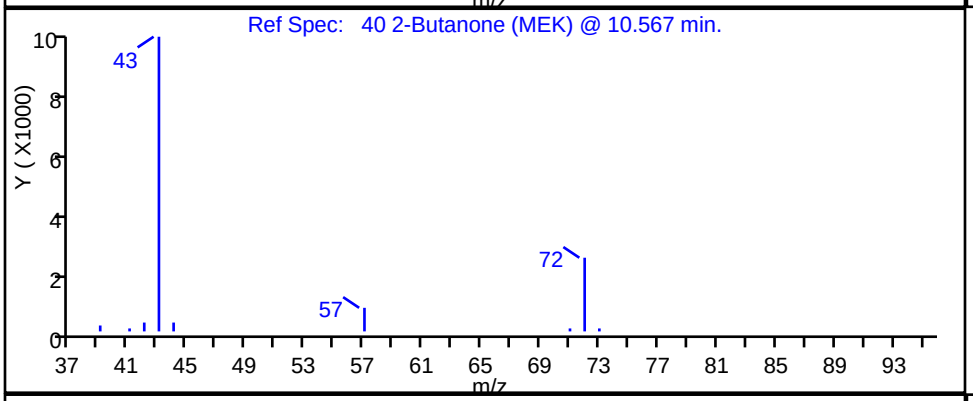
40 2-Butanone (MEK), CAS: 78-93-3

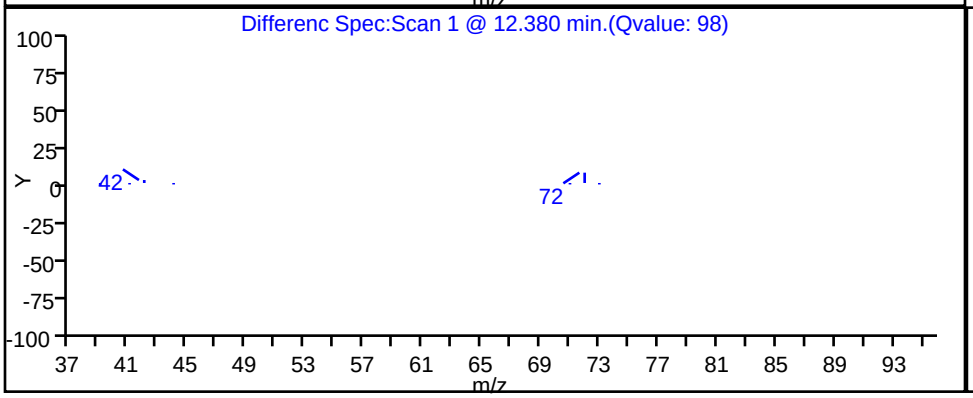


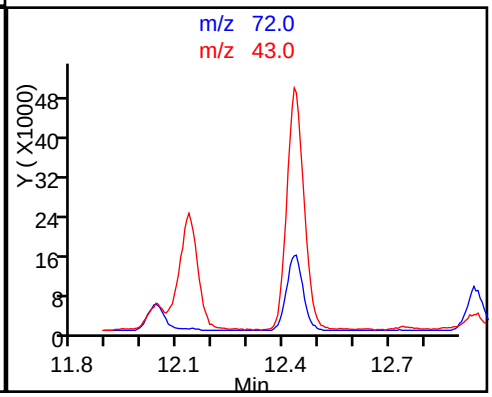












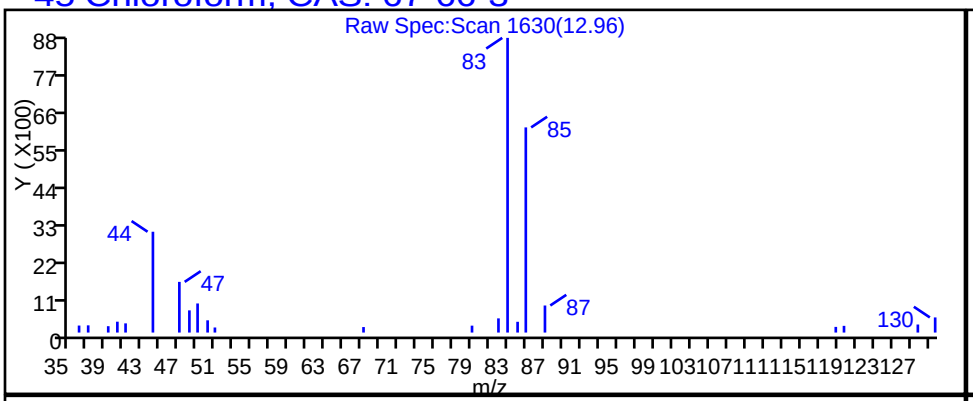
Report Date: 07-Aug-2014 09:51:32 Chrom Revision: 2.2 24-Jun-2014 07:21:42

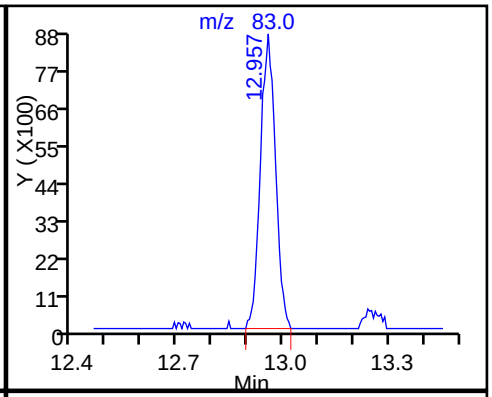
TestAmerica Burlington

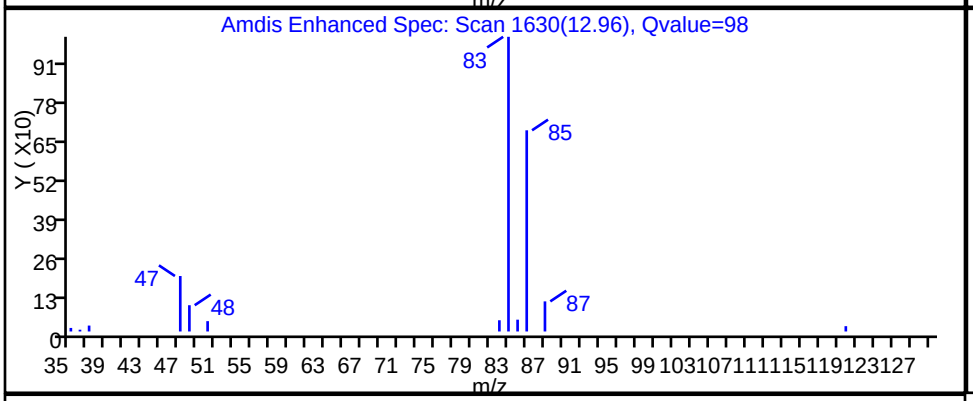
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140806-8889.b\8889_006.d

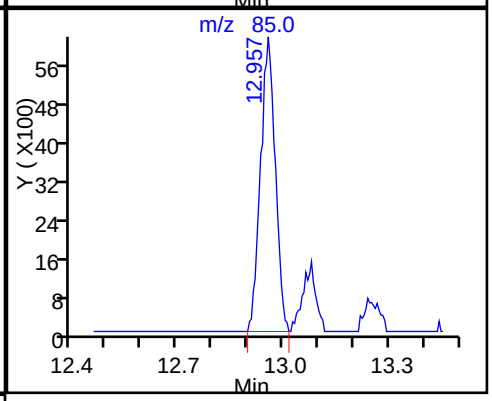
Injection Date:	06-Aug-2014 16:10:30	Instrument ID:	CHW.i		
Lims ID:	280-58004-A-3	Lab Sample ID:	200-58004-3		
Client ID:	786VMP0102LA				
Operator ID:	BPL	ALS Bottle#:	5	Worklist Smp#:	6
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

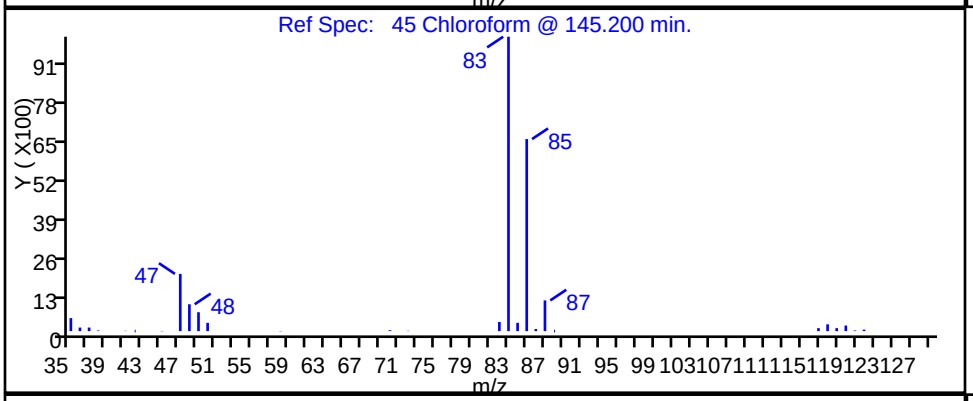
45 Chloroform, CAS: 67-66-3

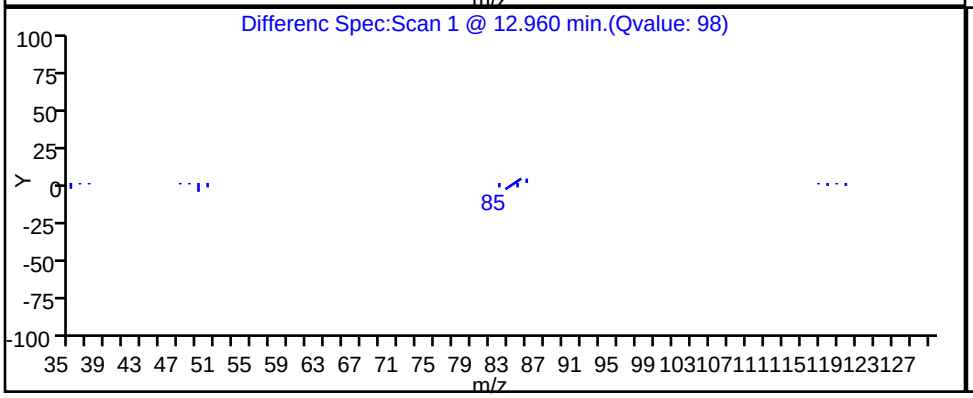


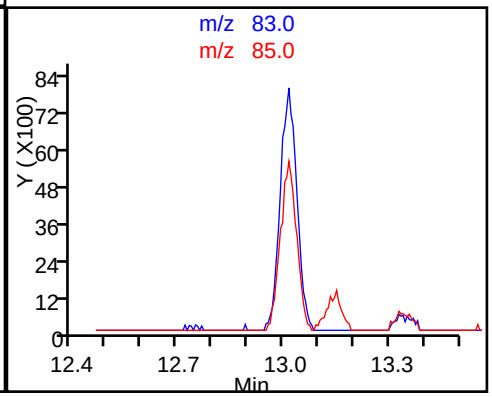












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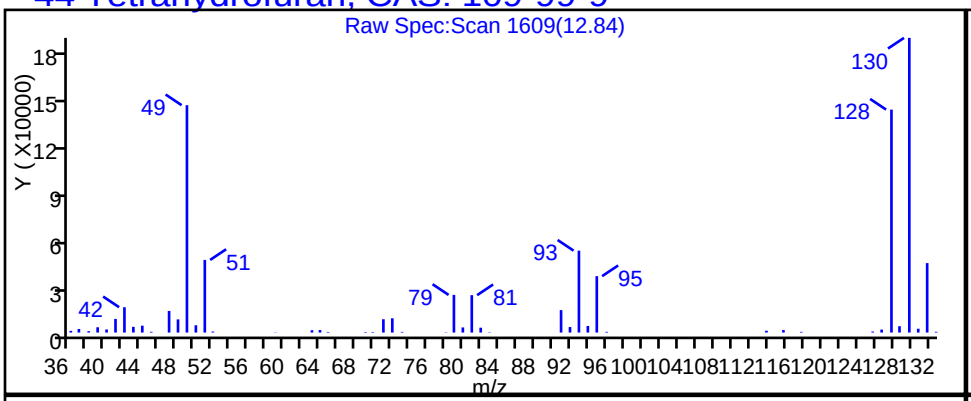
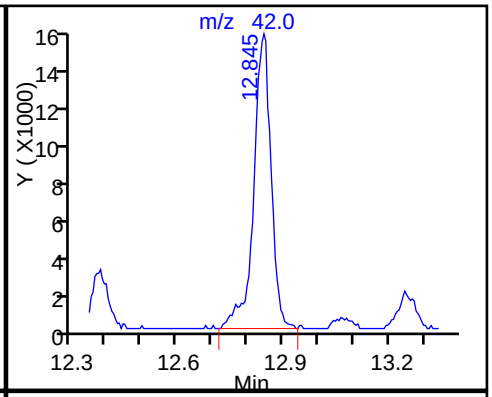
TestAmerica Burlington

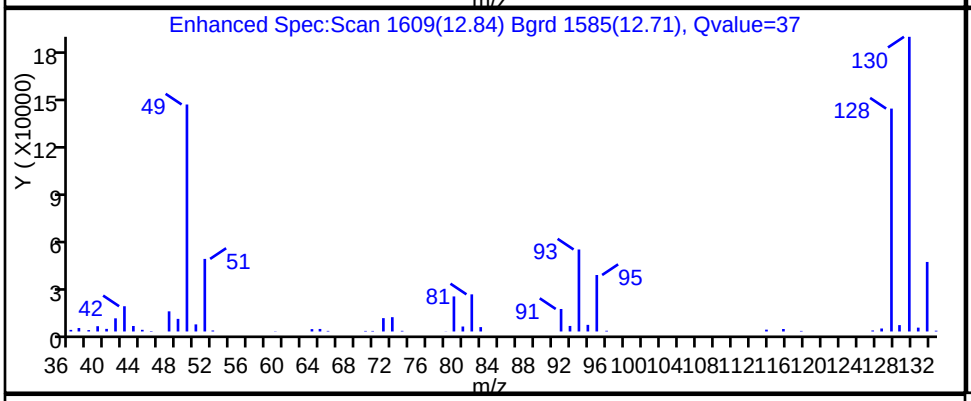
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140806-8889.b\8889_006.d

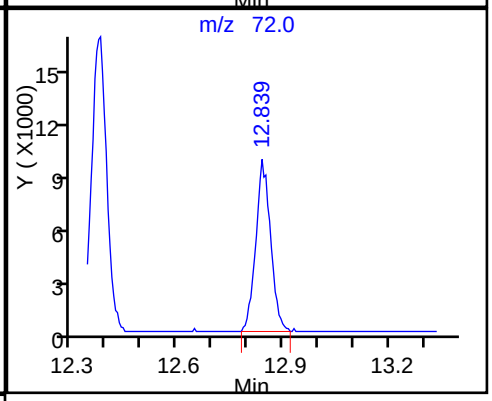
Injection Date:	06-Aug-2014 16:10:30	Instrument ID:	CHW.i		
Lims ID:	280-58004-A-3	Lab Sample ID:	200-58004-3		
Client ID:	786VMP0102LA				
Operator ID:	BPL	ALS Bottle#:	5	Worklist Smp#:	6
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

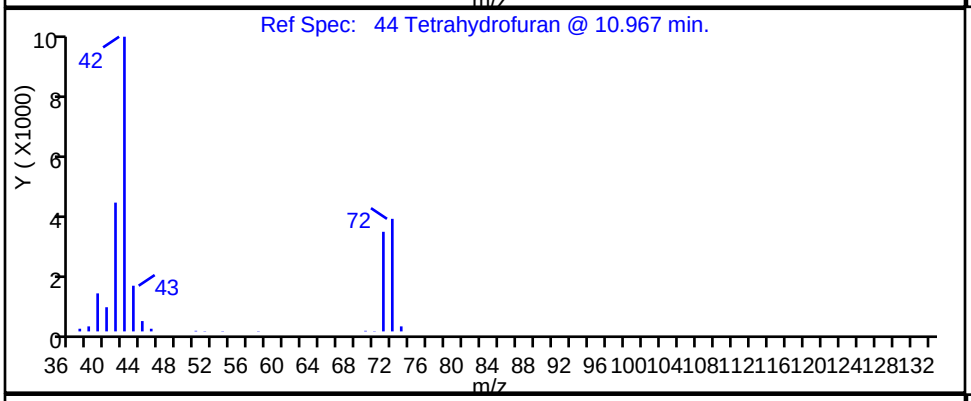
44 Tetrahydrofuran, CAS: 109-99-9

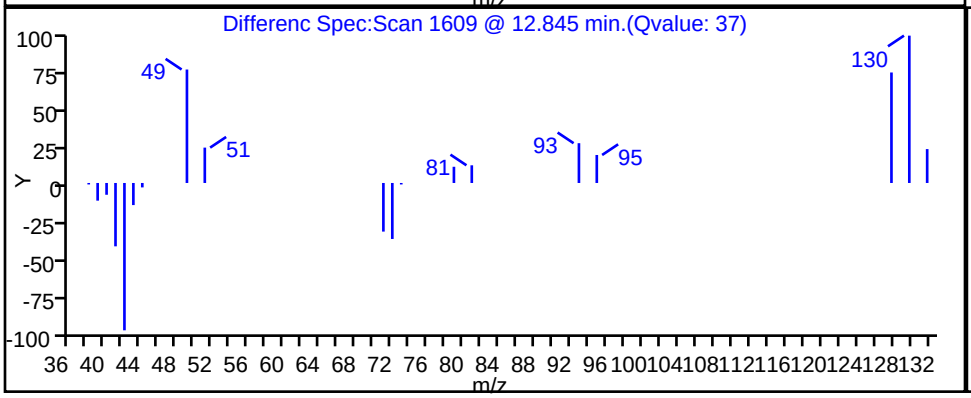


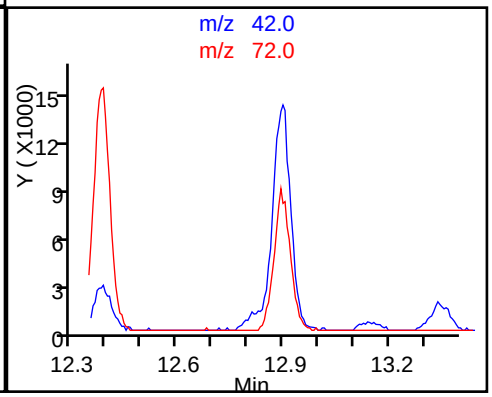












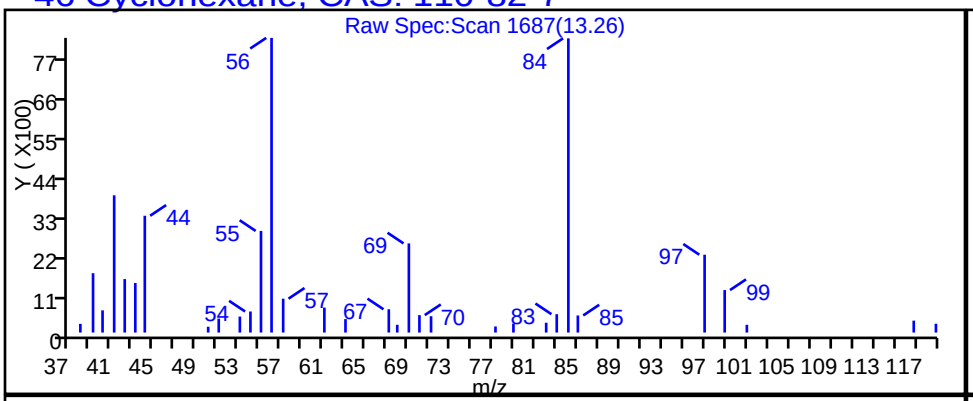
Report Date: 07-Aug-2014 09:51:32 Chrom Revision: 2.2 24-Jun-2014 07:21:42

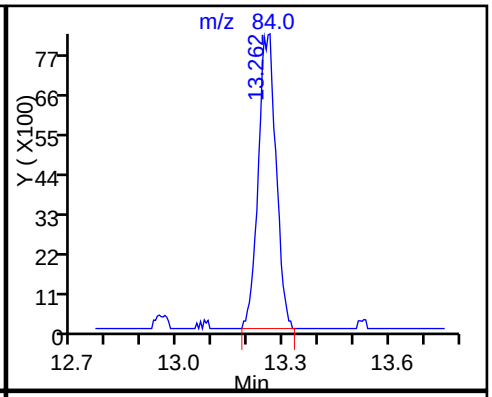
TestAmerica Burlington

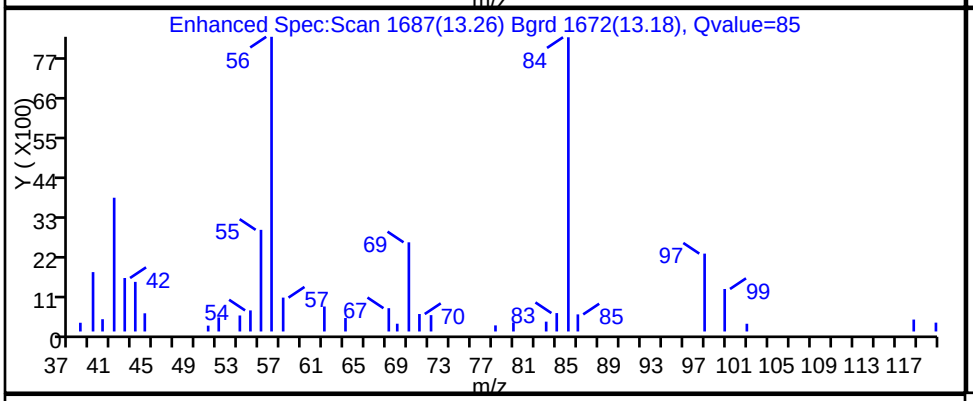
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140806-8889.b\8889_006.d

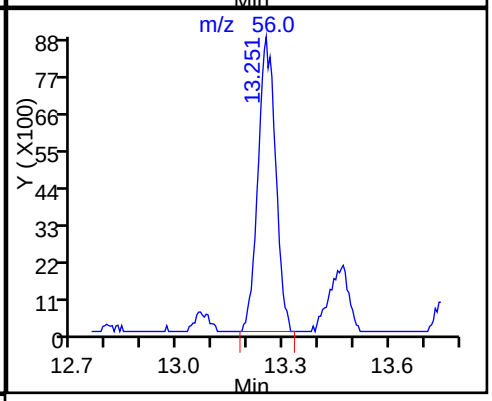
Injection Date:	06-Aug-2014 16:10:30	Instrument ID:	CHW.i		
Lims ID:	280-58004-A-3	Lab Sample ID:	200-58004-3		
Client ID:	786VMP0102LA				
Operator ID:	BPL	ALS Bottle#:	5	Worklist Smp#:	6
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

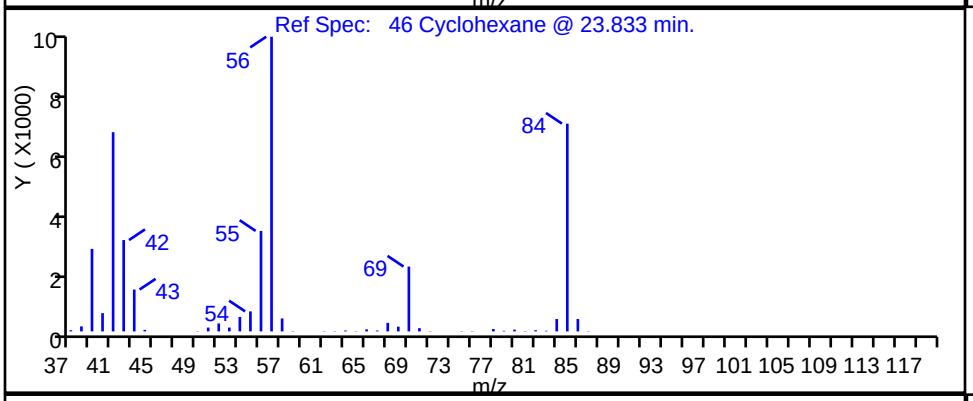
46 Cyclohexane, CAS: 110-82-7

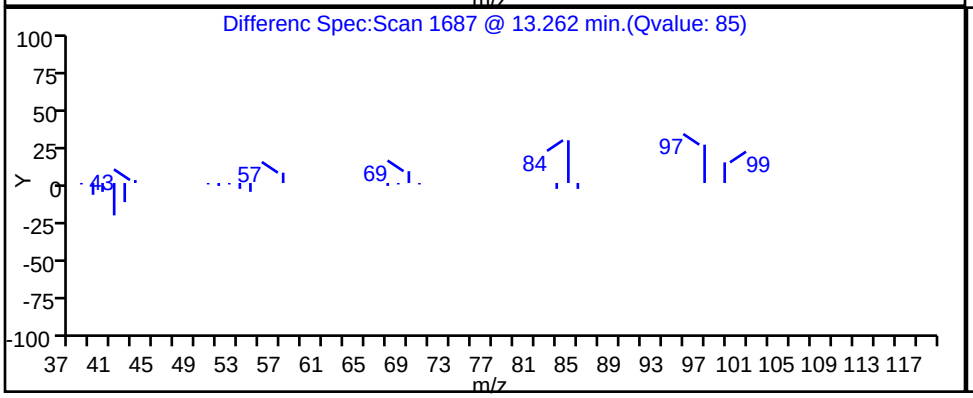


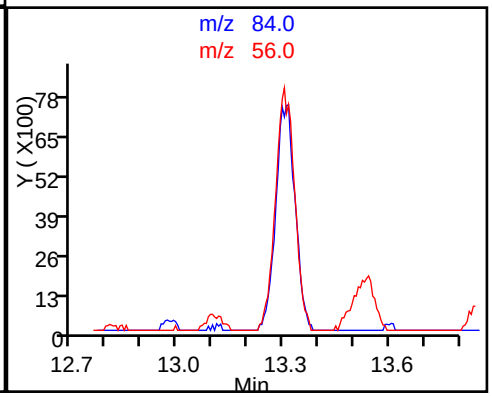












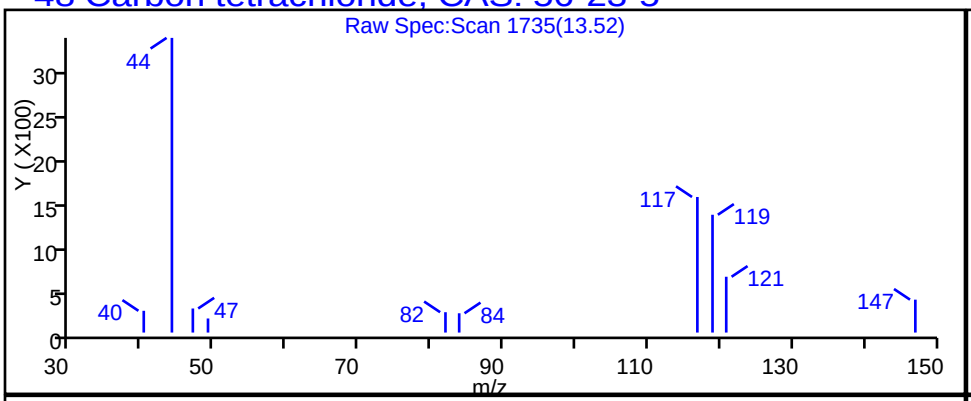
Report Date: 07-Aug-2014 09:51:33 Chrom Revision: 2.2 24-Jun-2014 07:21:42

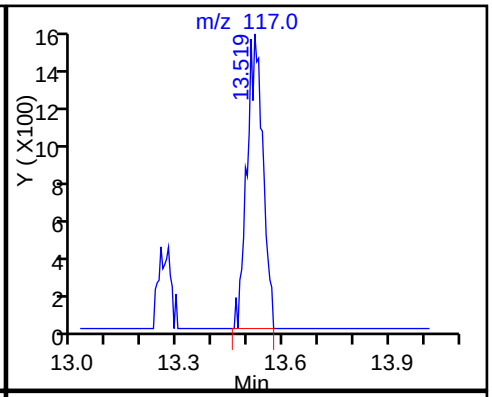
TestAmerica Burlington

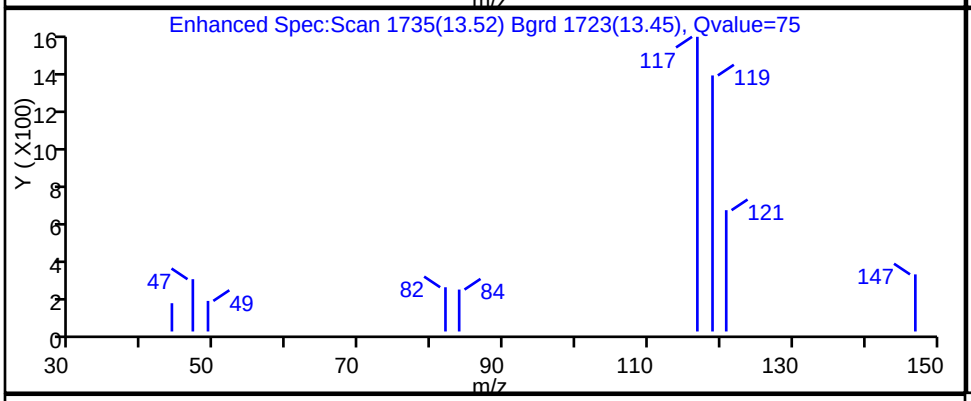
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140806-8889.b\8889_006.d

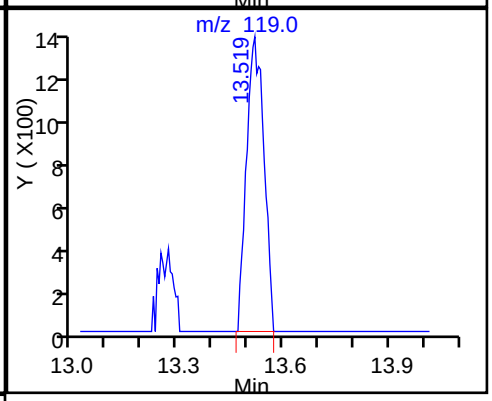
Injection Date:	06-Aug-2014 16:10:30	Instrument ID:	CHW.i		
Lims ID:	280-58004-A-3	Lab Sample ID:	200-58004-3		
Client ID:	786VMP0102LA				
Operator ID:	BPL	ALS Bottle#:	5	Worklist Smp#:	6
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

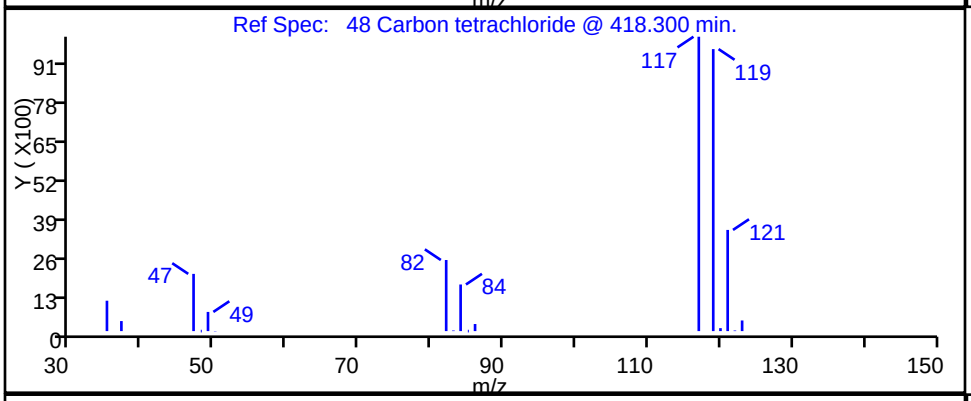
48 Carbon tetrachloride, CAS: 56-23-5

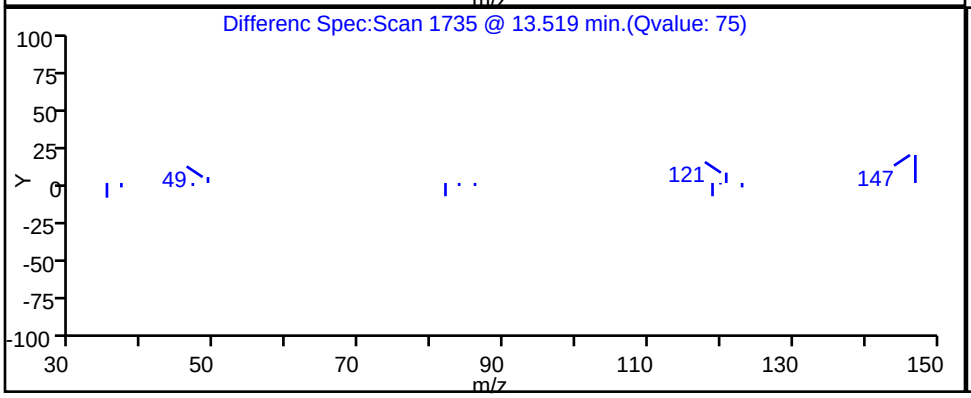


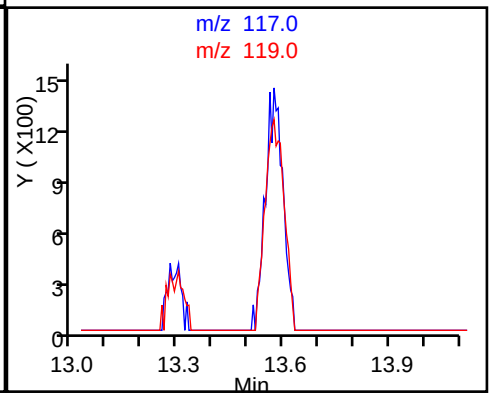












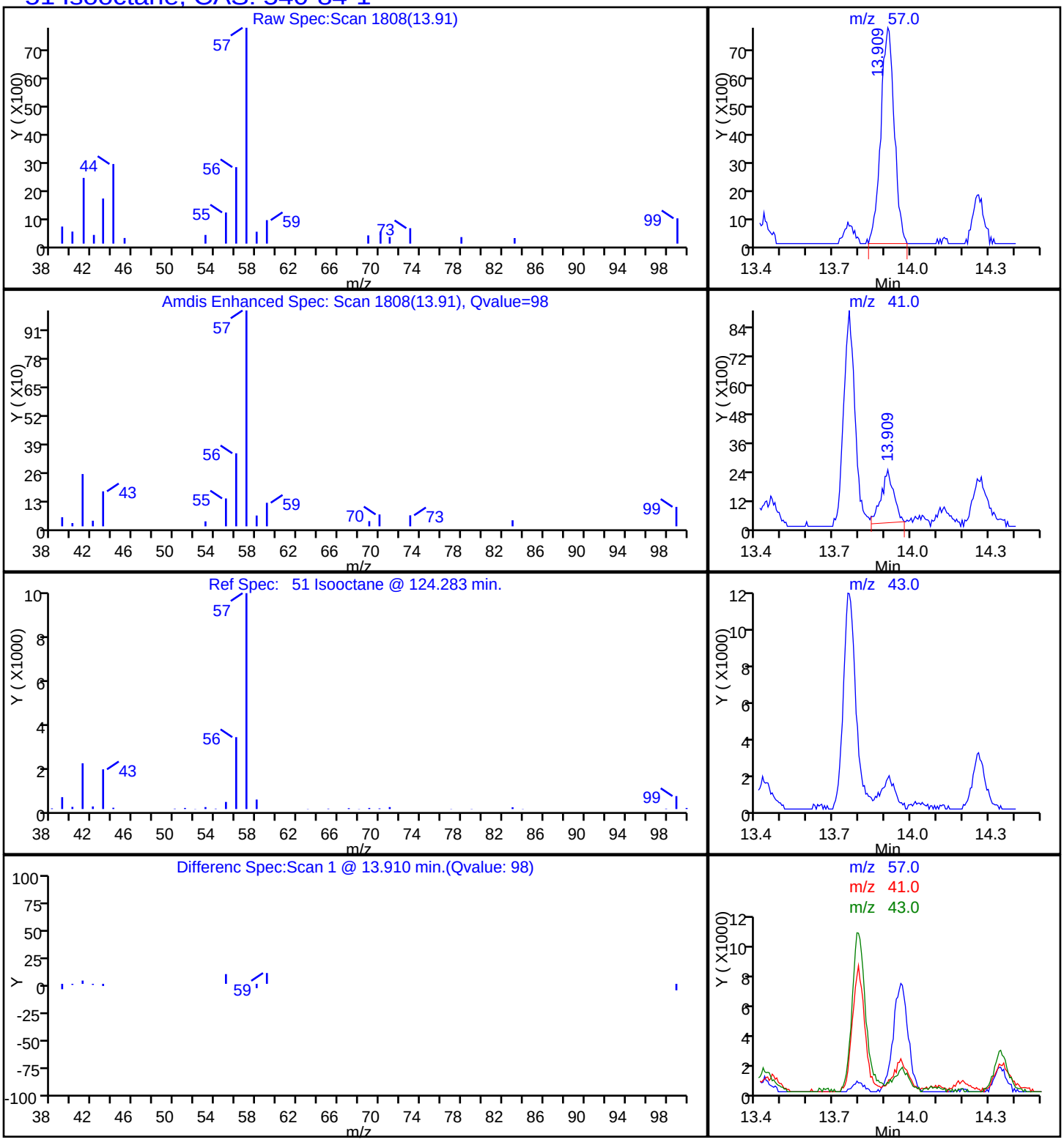
Report Date: 07-Aug-2014 09:51:33 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140806-8889.b\8889_006.d

Injection Date:	06-Aug-2014 16:10:30	Instrument ID:	CHW.i
Lims ID:	280-58004-A-3	Lab Sample ID:	200-58004-3
Client ID:	786VMP0102LA		
Operator ID:	BPL	ALS Bottle#:	5 Worklist Smp#: 6
Purge Vol:	200.000 mL	Dil. Factor:	2.0000
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



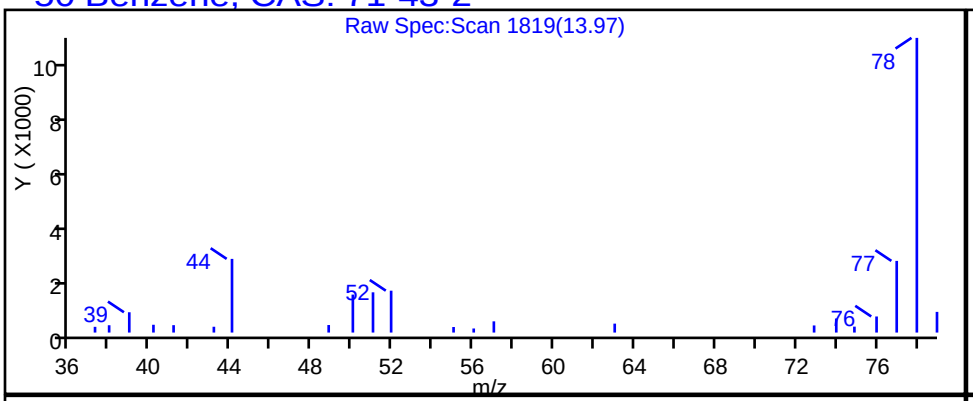
Report Date: 07-Aug-2014 09:51:33 Chrom Revision: 2.2 24-Jun-2014 07:21:42

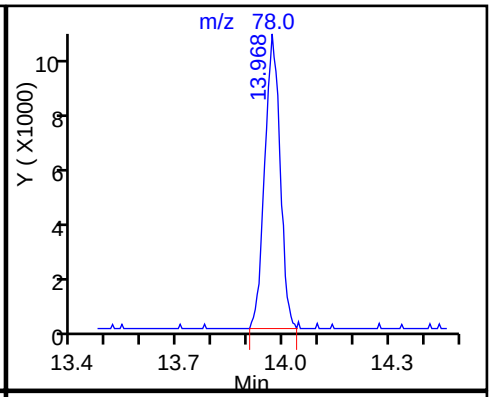
TestAmerica Burlington

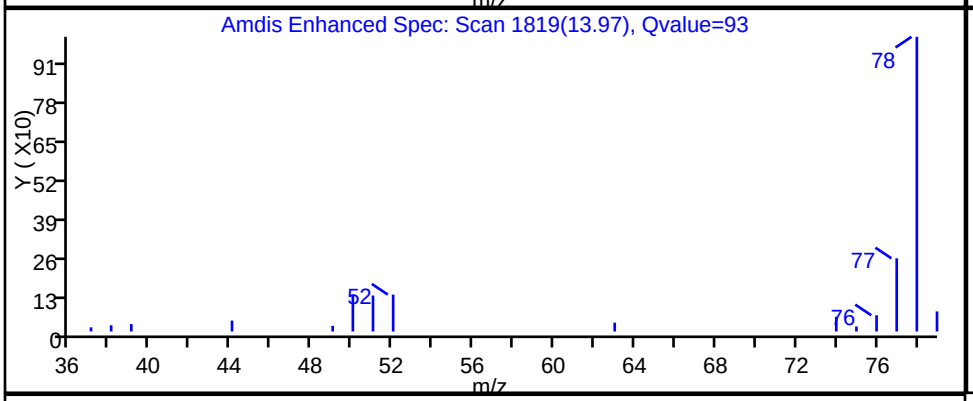
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140806-8889.b\8889_006.d

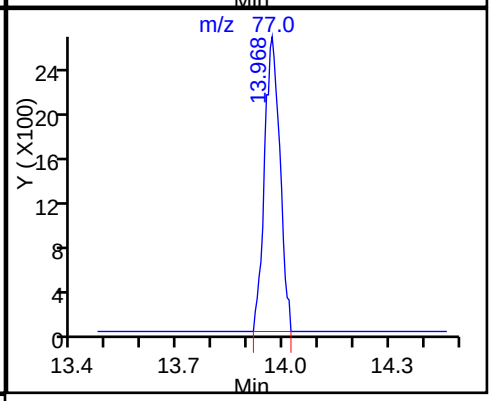
Injection Date:	06-Aug-2014 16:10:30	Instrument ID:	CHW.i
Lims ID:	280-58004-A-3	Lab Sample ID:	200-58004-3
Client ID:	786VMP0102LA		
Operator ID:	BPL	ALS Bottle#:	5 Worklist Smp#: 6
Purge Vol:	200.000 mL	Dil. Factor:	2.0000
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN

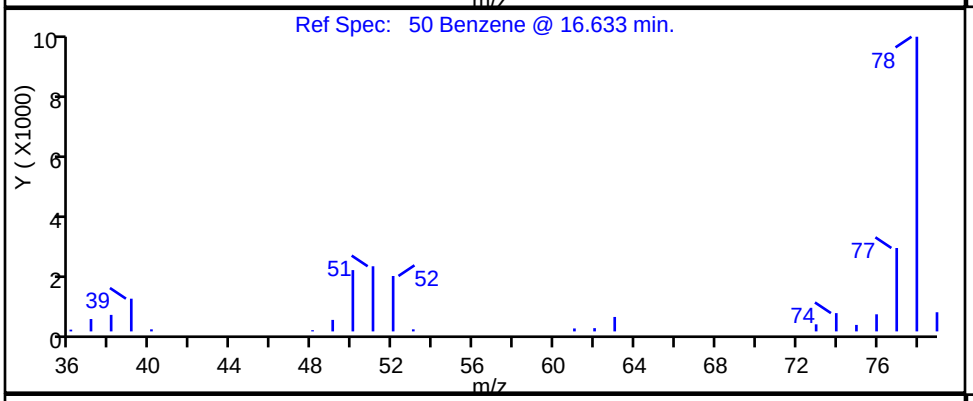
50 Benzene, CAS: 71-43-2

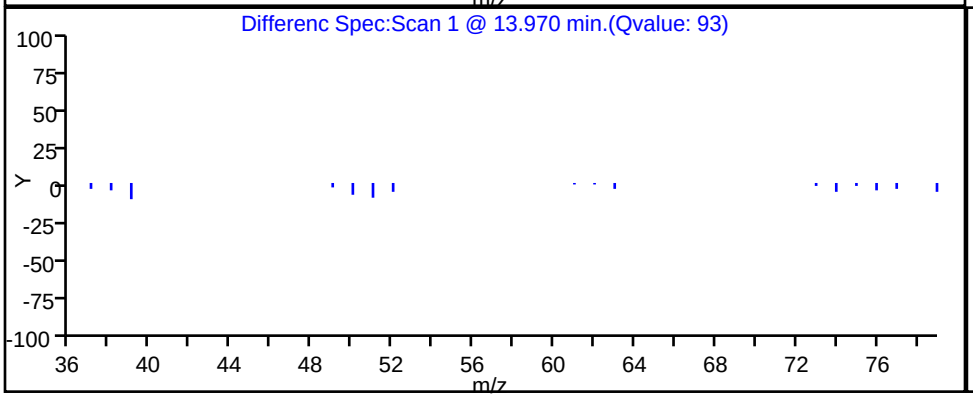


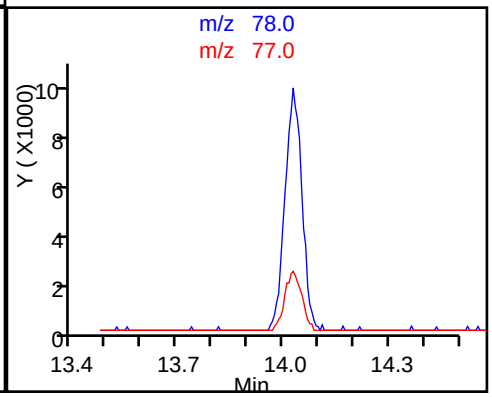












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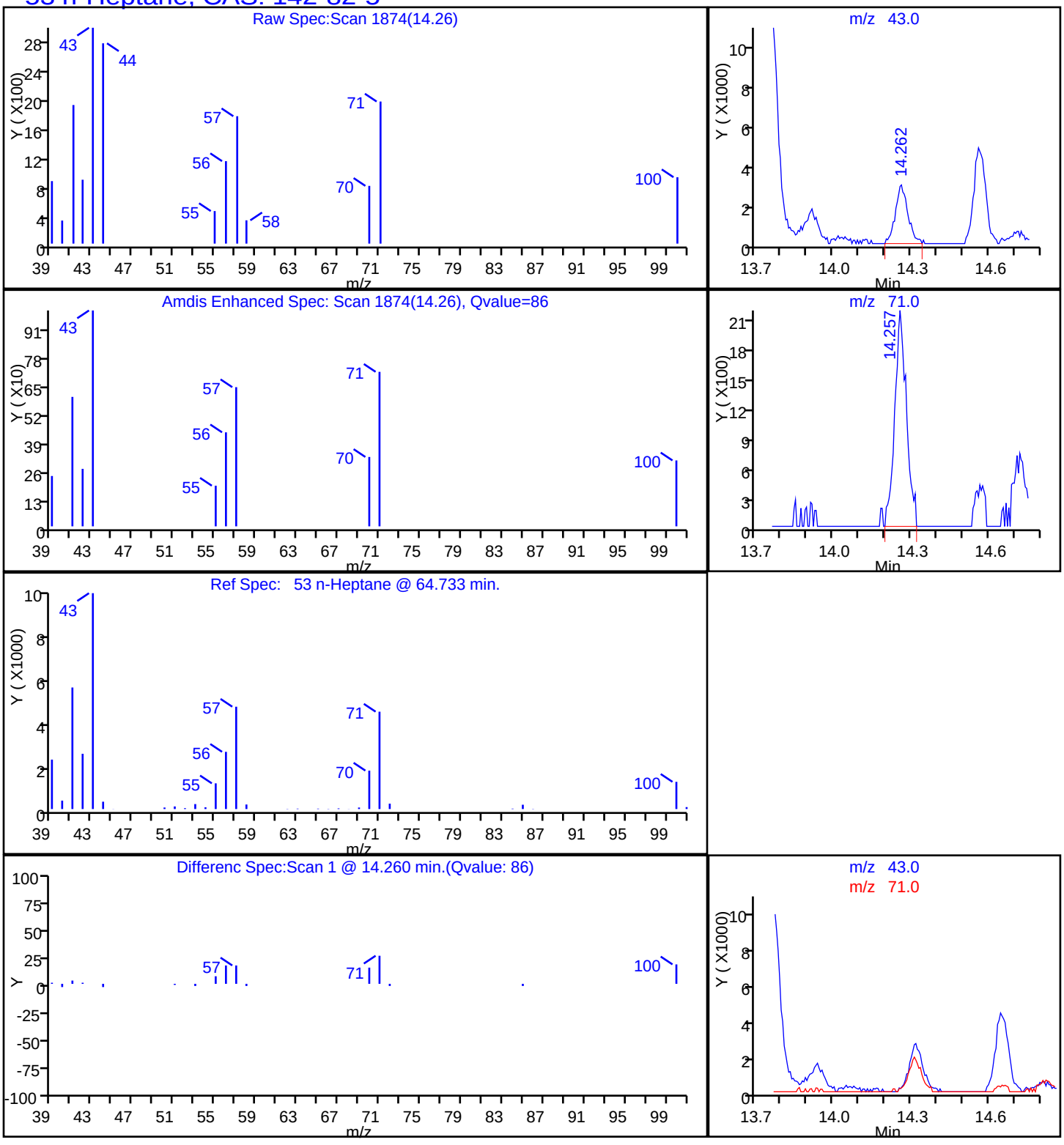
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140806-8889.b\8889_006.d

Injection Date:	06-Aug-2014 16:10:30	Instrument ID:	CHW.i
Lims ID:	280-58004-A-3	Lab Sample ID:	200-58004-3
Client ID:	786VMP0102LA		
Operator ID:	BPL	ALS Bottle#:	5 Worklist Smp#: 6
Purge Vol:	200.000 mL	Dil. Factor:	2.0000
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



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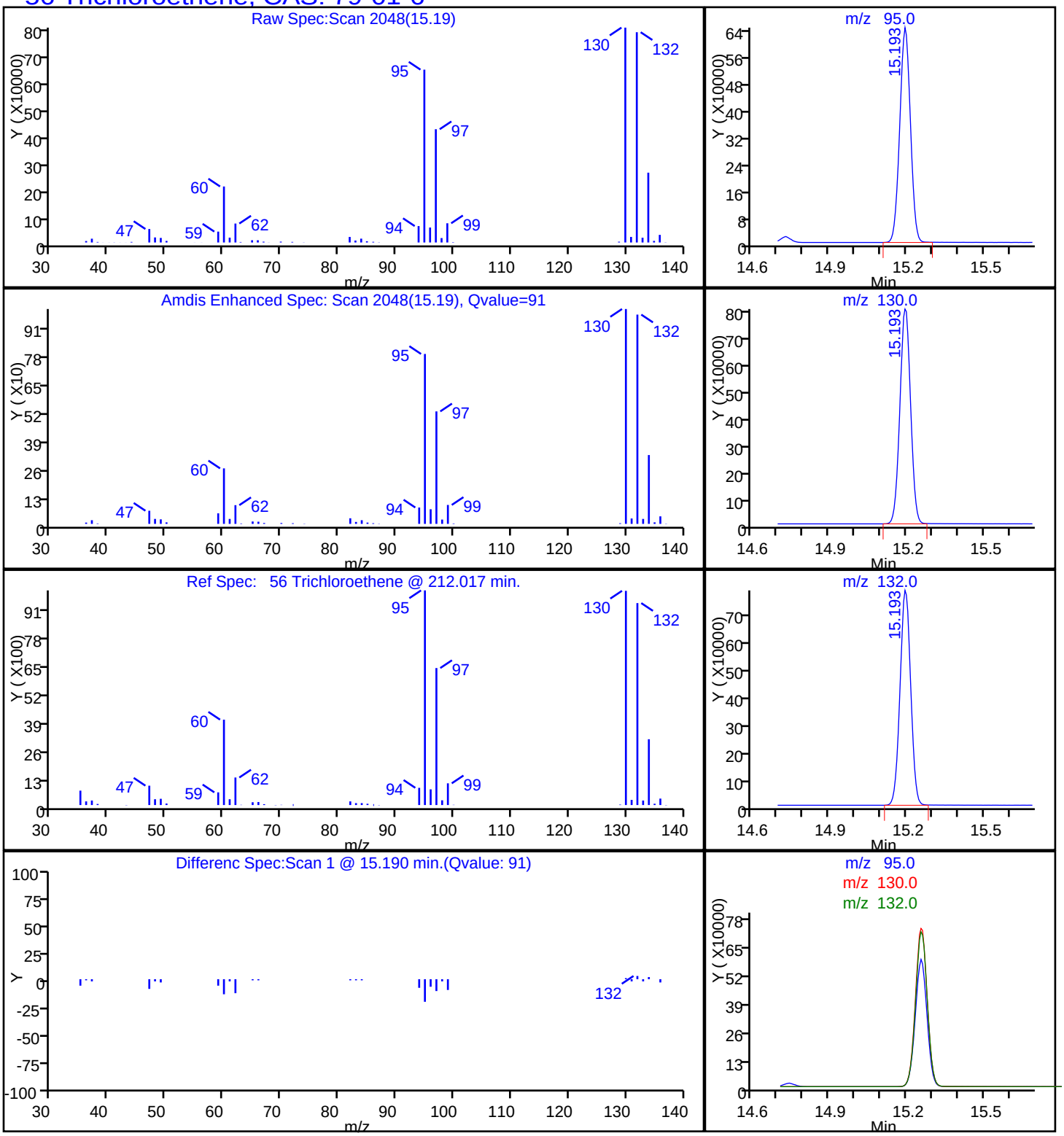
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140806-8889.b\8889_006.d

Injection Date:	06-Aug-2014 16:10:30	Instrument ID:	CHW.i		
Lims ID:	280-58004-A-3	Lab Sample ID:	200-58004-3		
Client ID:	786VMP0102LA				
Operator ID:	BPL	ALS Bottle#:	5	Worklist Smp#:	6
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
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



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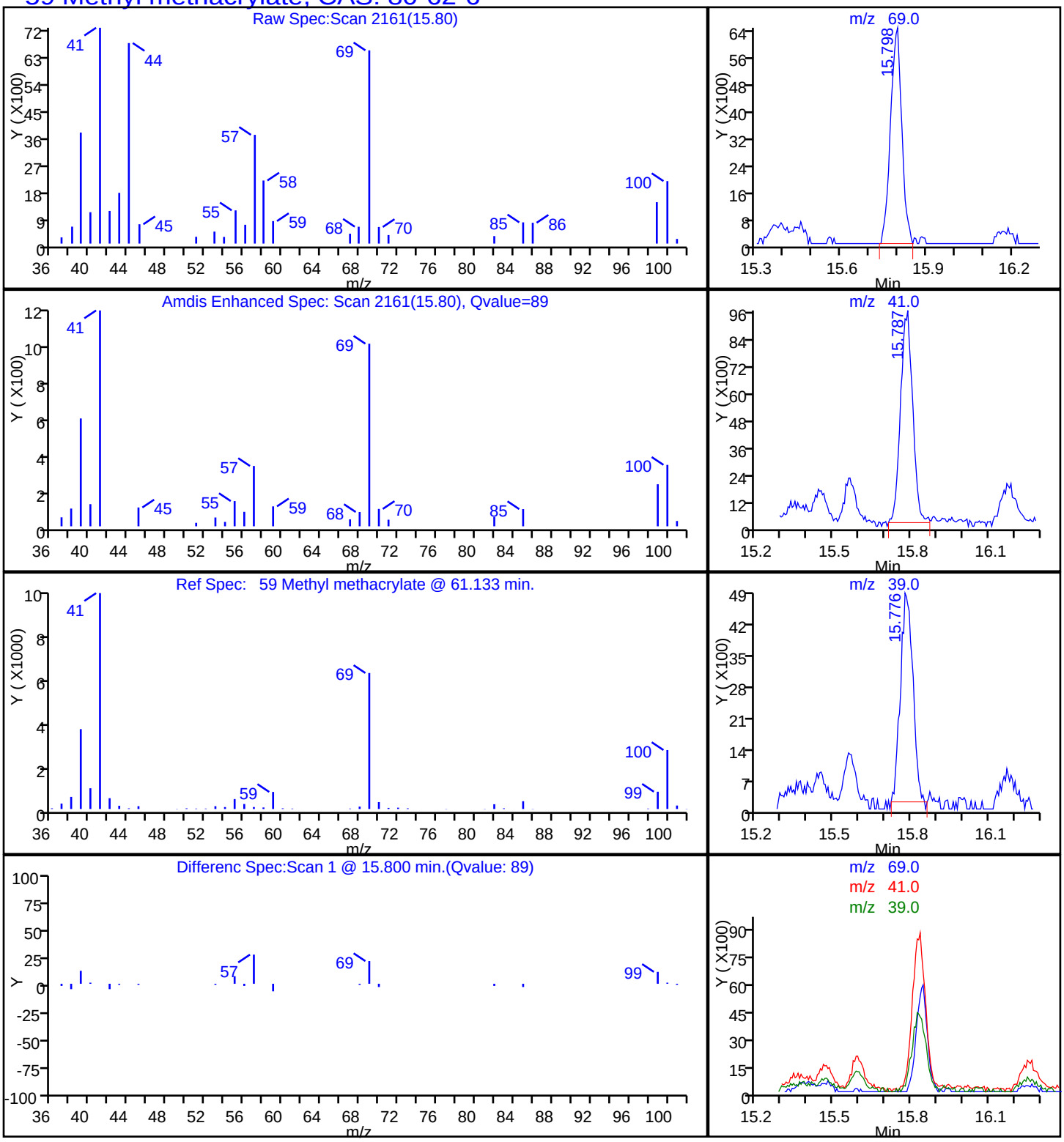
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140806-8889.b\8889_006.d

Injection Date:	06-Aug-2014 16:10:30	Instrument ID:	CHW.i		
Lims ID:	280-58004-A-3	Lab Sample ID:	200-58004-3		
Client ID:	786VMP0102LA				
Operator ID:	BPL	ALS Bottle#:	5	Worklist Smp#:	6
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
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



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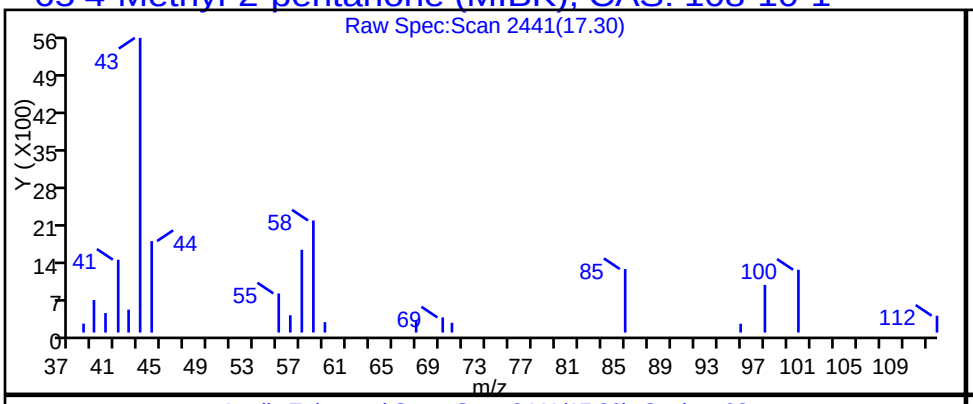
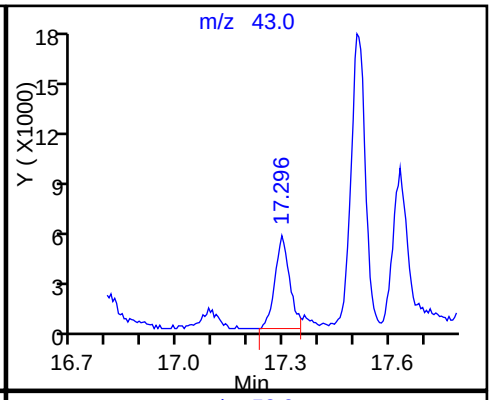
TestAmerica Burlington

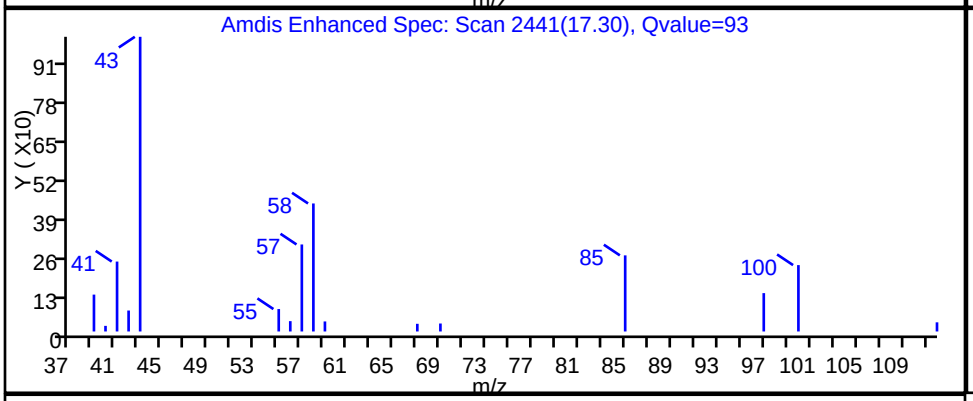
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140806-8889.b\8889_006.d

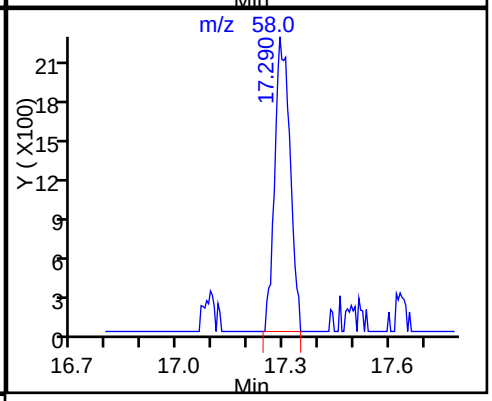
Injection Date:	06-Aug-2014 16:10:30	Instrument ID:	CHW.i		
Lims ID:	280-58004-A-3	Lab Sample ID:	200-58004-3		
Client ID:	786VMP0102LA				
Operator ID:	BPL	ALS Bottle#:	5	Worklist Smp#:	6
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

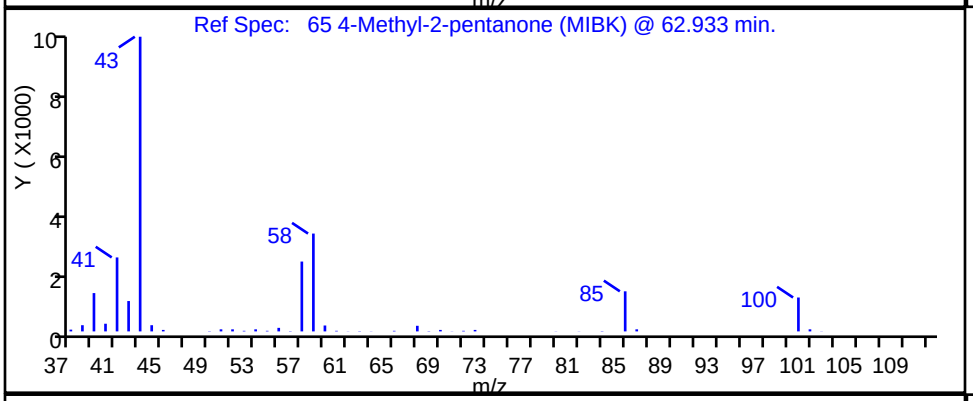
65 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

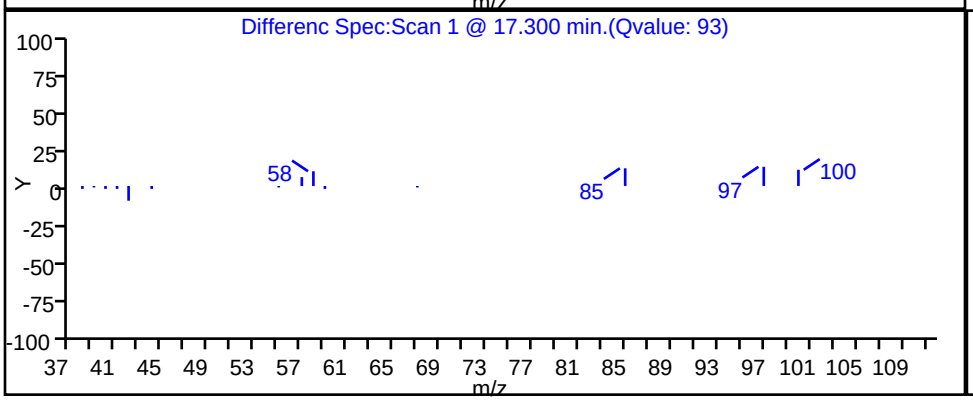


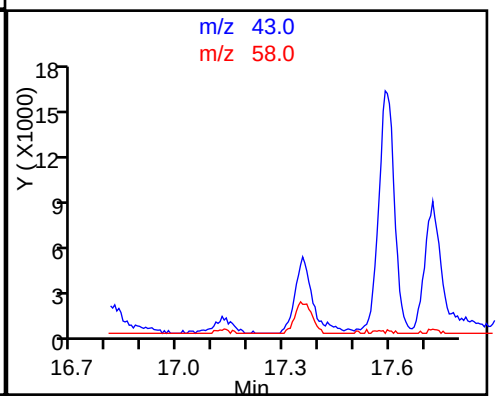












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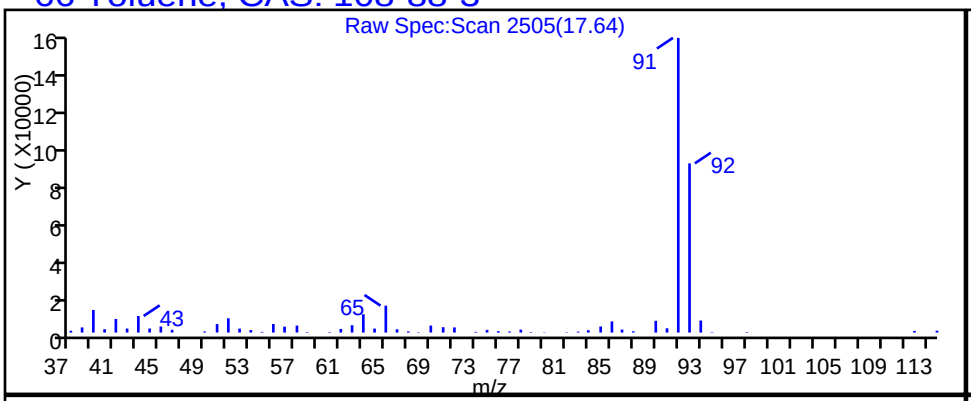
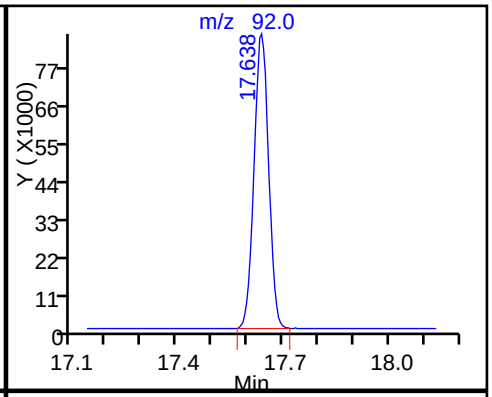
TestAmerica Burlington

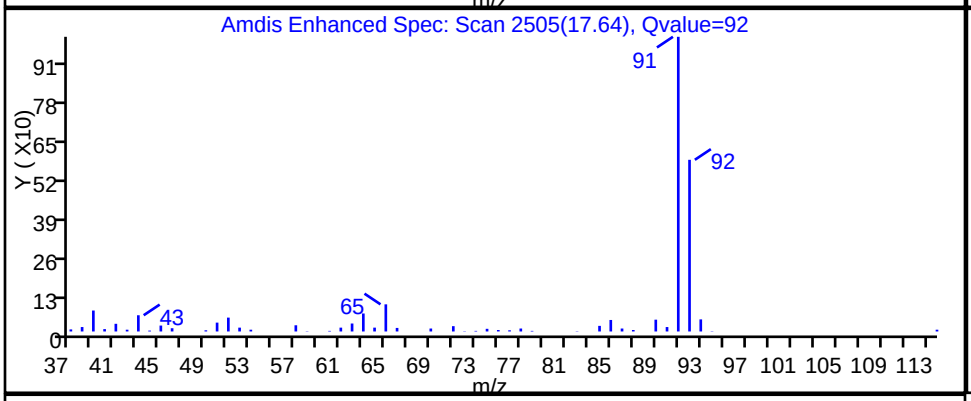
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140806-8889.b\8889_006.d

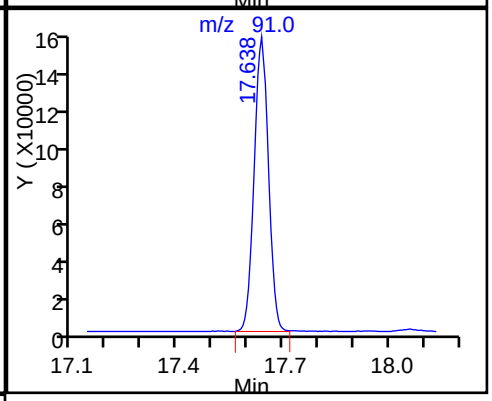
Injection Date:	06-Aug-2014 16:10:30	Instrument ID:	CHW.i		
Lims ID:	280-58004-A-3	Lab Sample ID:	200-58004-3		
Client ID:	786VMP0102LA				
Operator ID:	BPL	ALS Bottle#:	5	Worklist Smp#:	6
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

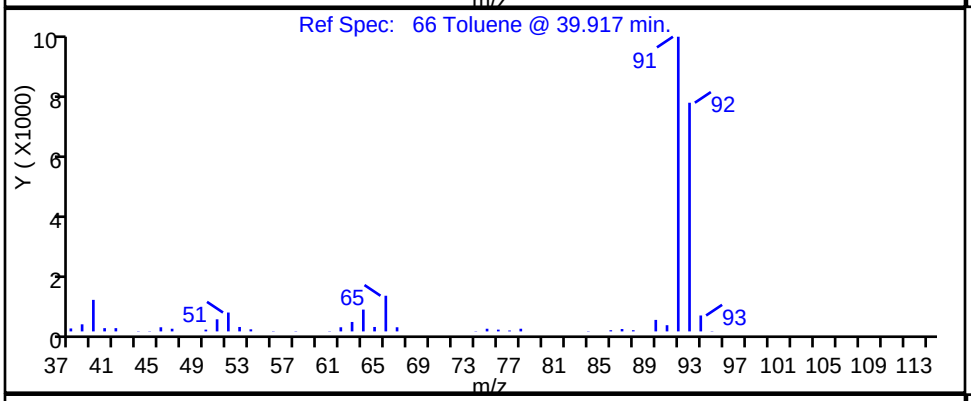
66 Toluene, CAS: 108-88-3

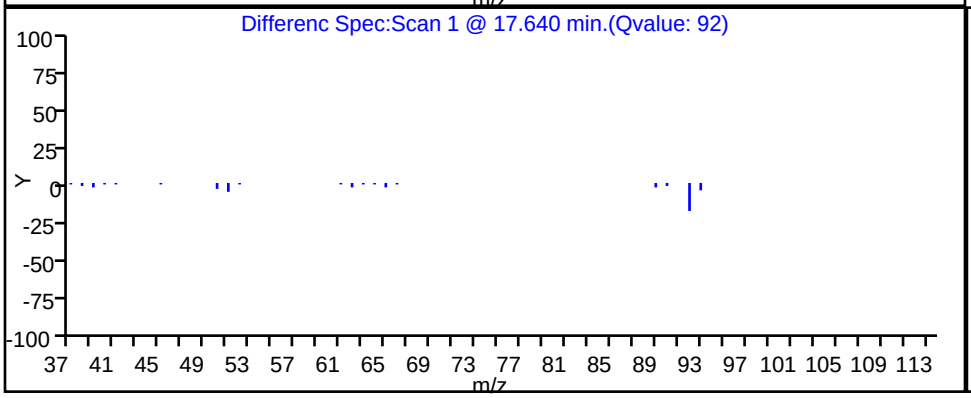


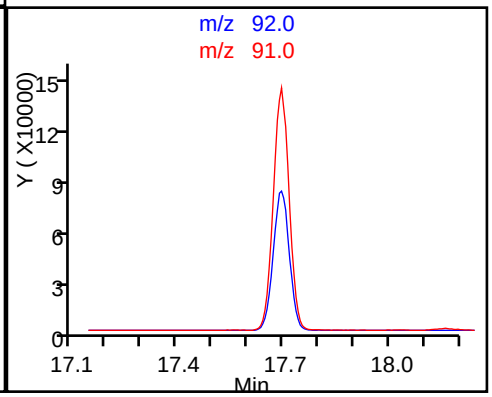












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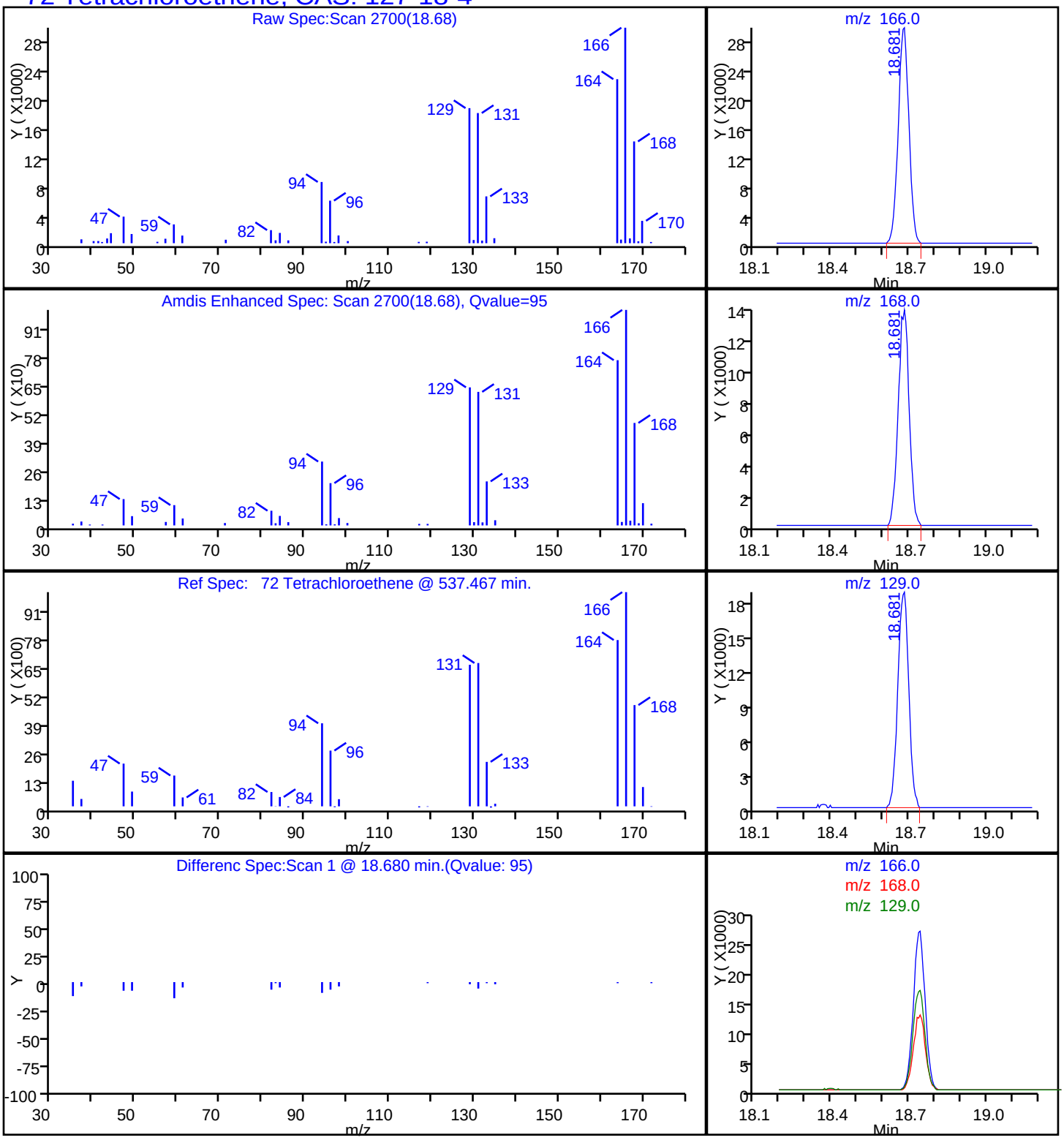
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140806-8889.b\8889_006.d

Injection Date:	06-Aug-2014 16:10:30	Instrument ID:	CHW.i		
Lims ID:	280-58004-A-3	Lab Sample ID:	200-58004-3		
Client ID:	786VMP0102LA				
Operator ID:	BPL	ALS Bottle#:	5	Worklist Smp#:	6
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
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



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TestAmerica Burlington

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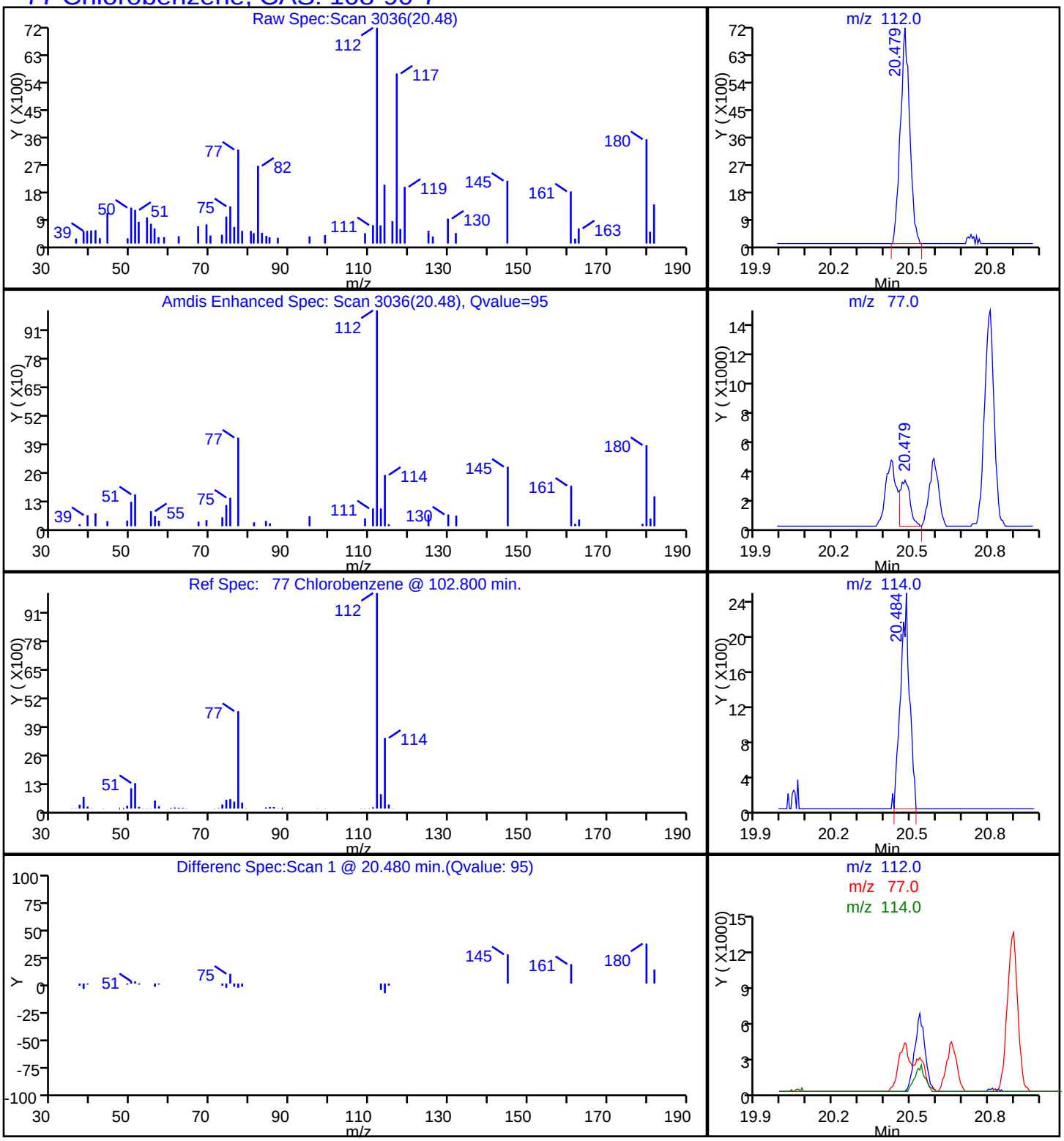
Injection Date:	06-Aug-2014 16:10:30	Instrument ID:	CHW.i		
Lims ID:	280-58004-A-3	Lab Sample ID:	200-58004-3		
Client ID:	786VMP0102LA				
Operator ID:	BPL	ALS Bottle#:	5	Worklist Smp#:	6
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

77 Chlorobenzene, CAS: 108-90-7



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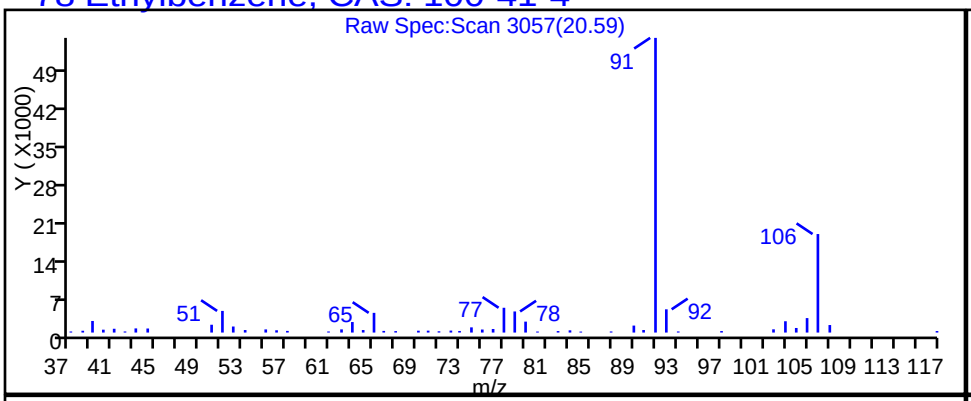
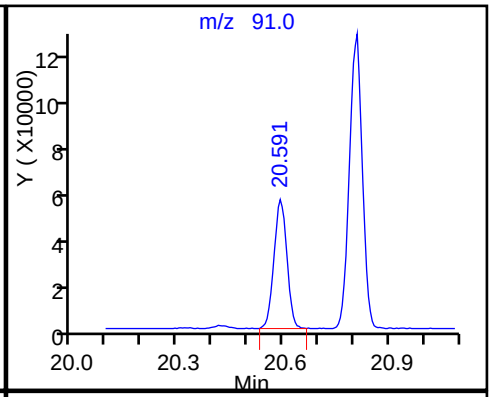
TestAmerica Burlington

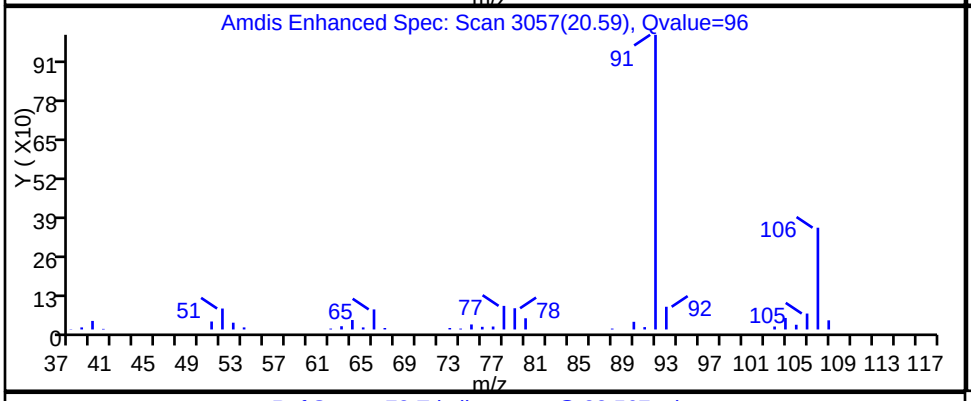
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140806-8889.b\8889_006.d

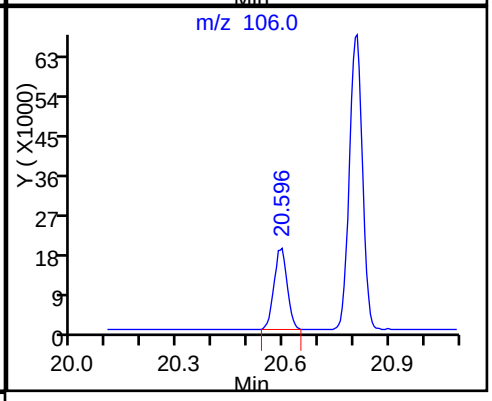
Injection Date:	06-Aug-2014 16:10:30	Instrument ID:	CHW.i		
Lims ID:	280-58004-A-3	Lab Sample ID:	200-58004-3		
Client ID:	786VMP0102LA				
Operator ID:	BPL	ALS Bottle#:	5	Worklist Smp#:	6
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

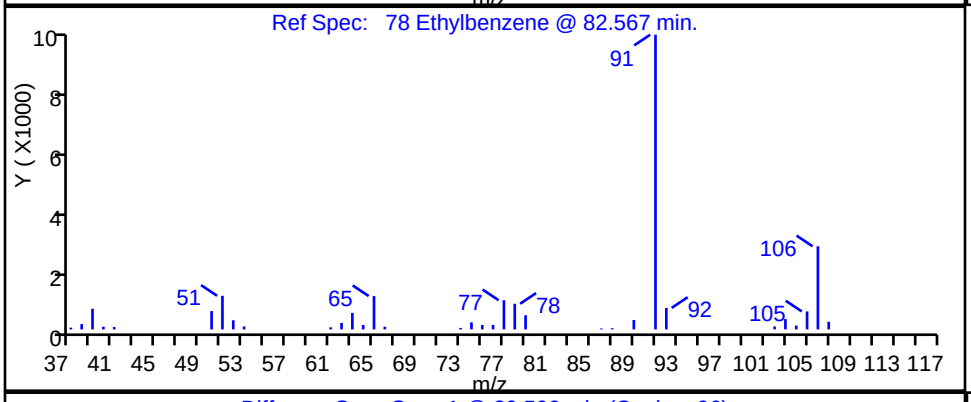
78 Ethylbenzene, CAS: 100-41-4

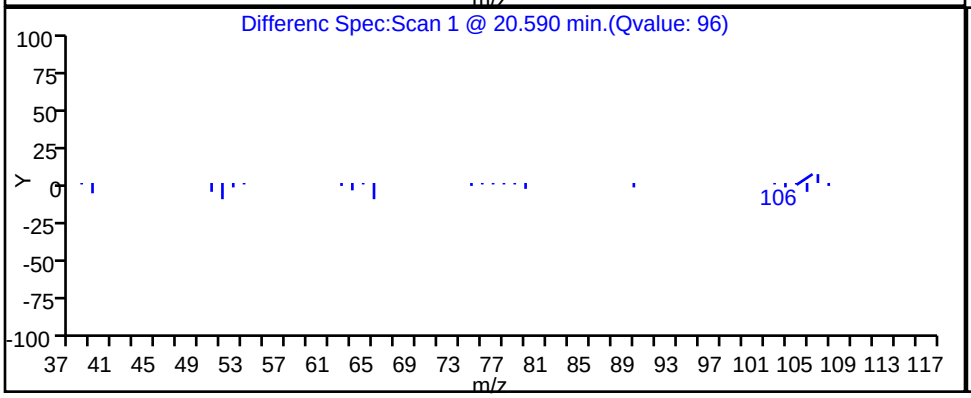


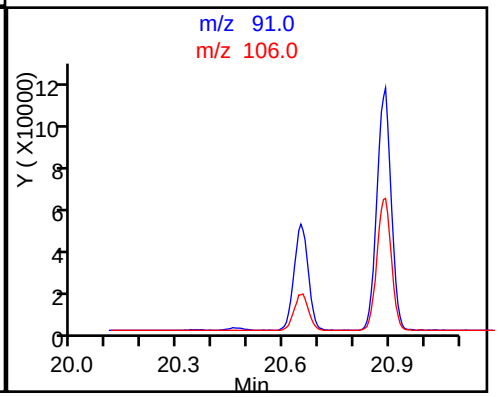












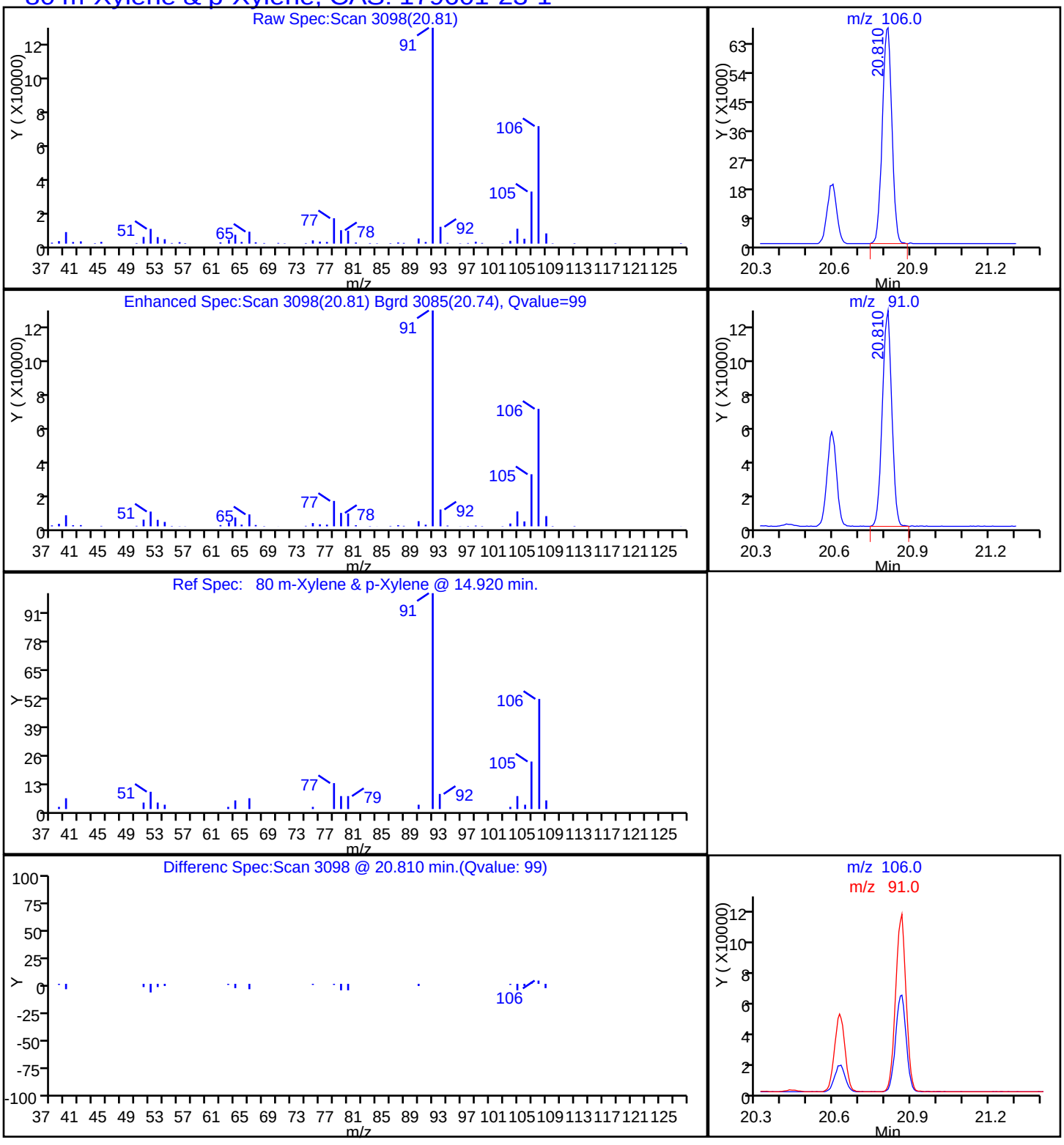
Report Date: 07-Aug-2014 09:51:33 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140806-8889.b\8889_006.d

Injection Date:	06-Aug-2014 16:10:30	Instrument ID:	CHW.i		
Lims ID:	280-58004-A-3	Lab Sample ID:	200-58004-3		
Client ID:	786VMP0102LA				
Operator ID:	BPL	ALS Bottle#:	5	Worklist Smp#:	6
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
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



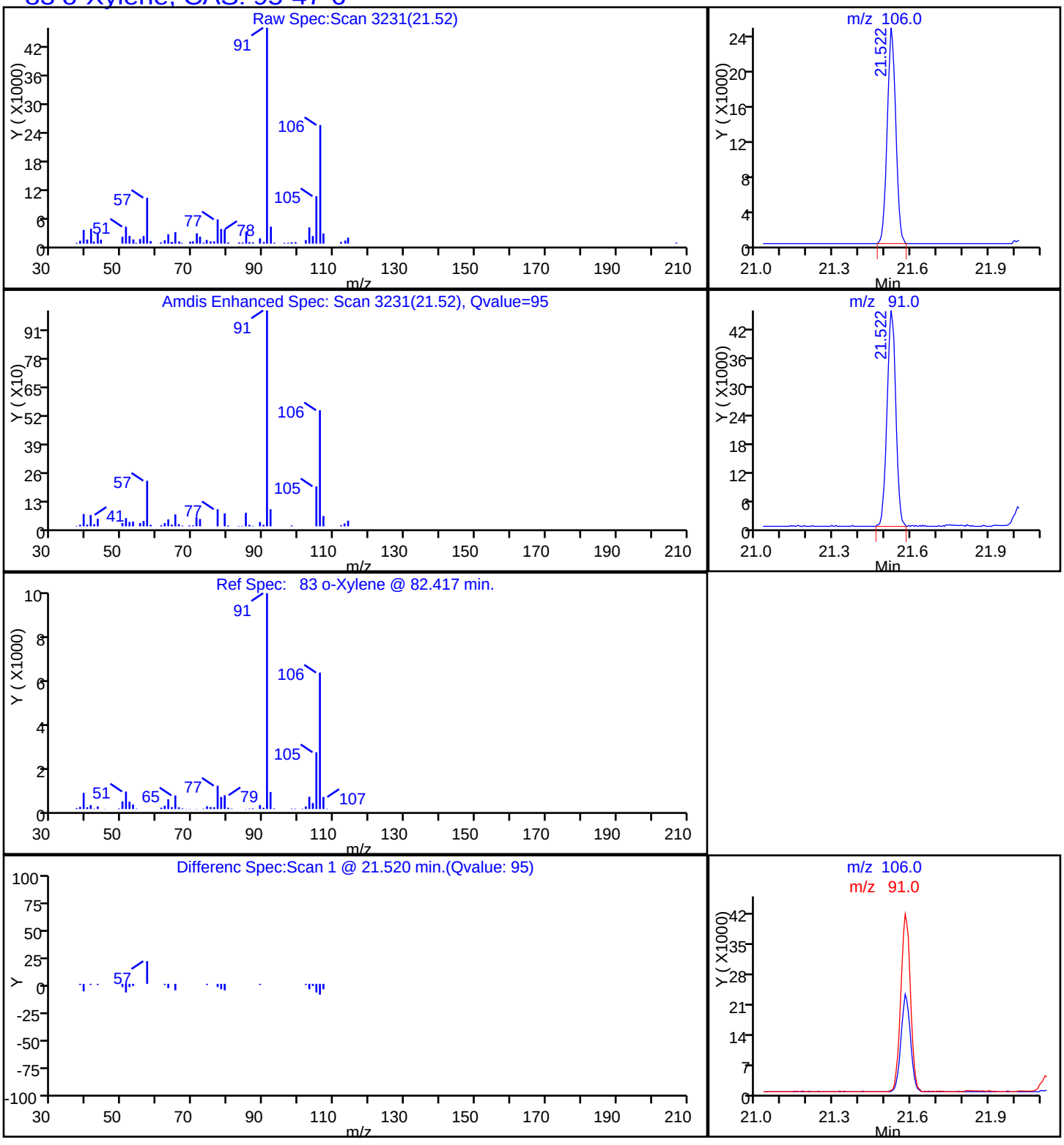
Report Date: 07-Aug-2014 09:51:33 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140806-8889.b\8889_006.d

Injection Date:	06-Aug-2014 16:10:30	Instrument ID:	CHW.i
Lims ID:	280-58004-A-3	Lab Sample ID:	200-58004-3
Client ID:	786VMP0102LA		
Operator ID:	BPL	ALS Bottle#:	5 Worklist Smp#: 6
Purge Vol:	200.000 mL	Dil. Factor:	2.0000
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



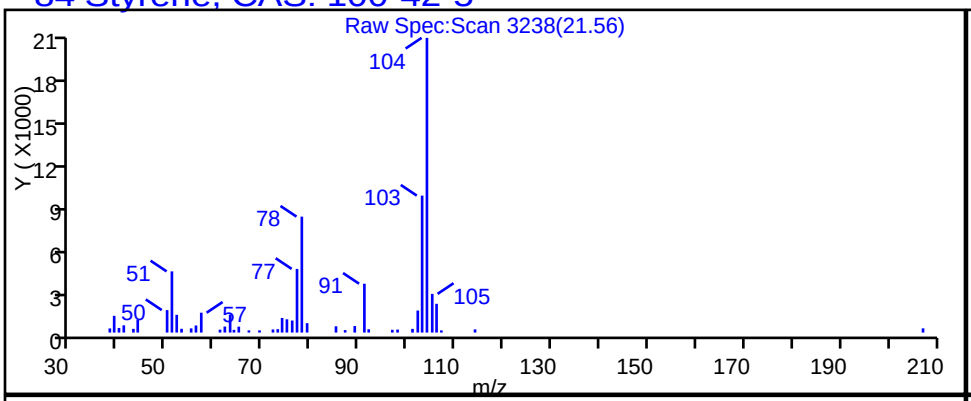
Report Date: 07-Aug-2014 09:51:33 Chrom Revision: 2.2 24-Jun-2014 07:21:42

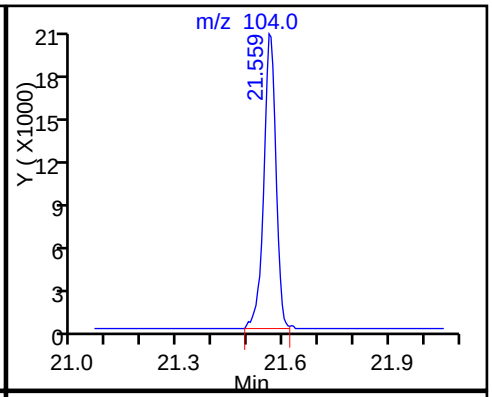
TestAmerica Burlington

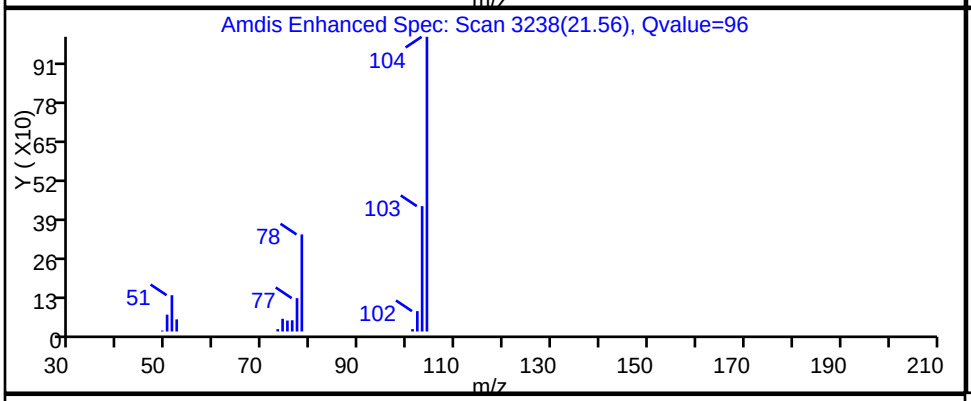
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140806-8889.b\8889_006.d

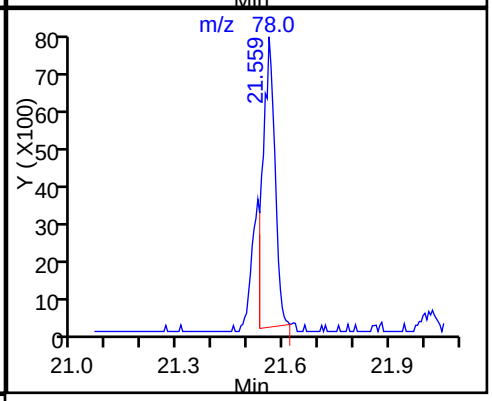
Injection Date:	06-Aug-2014 16:10:30	Instrument ID:	CHW.i		
Lims ID:	280-58004-A-3	Lab Sample ID:	200-58004-3		
Client ID:	786VMP0102LA				
Operator ID:	BPL	ALS Bottle#:	5	Worklist Smp#:	6
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

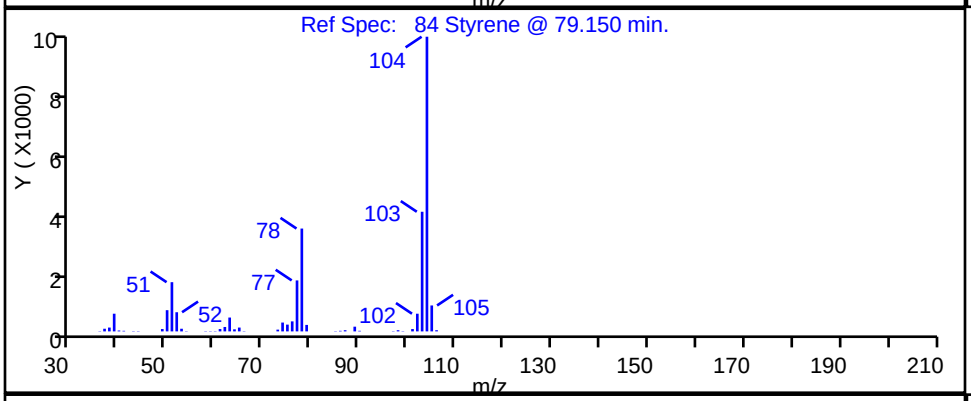
84 Styrene, CAS: 100-42-5

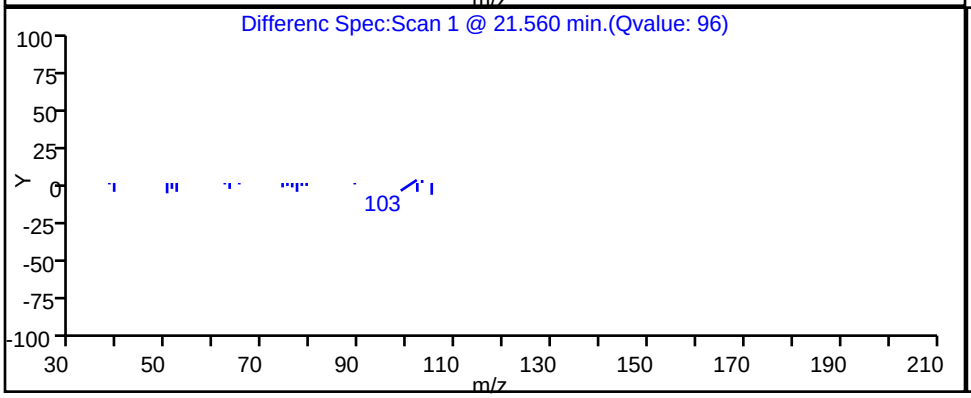


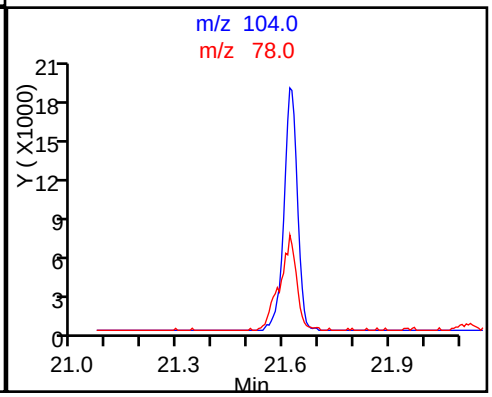








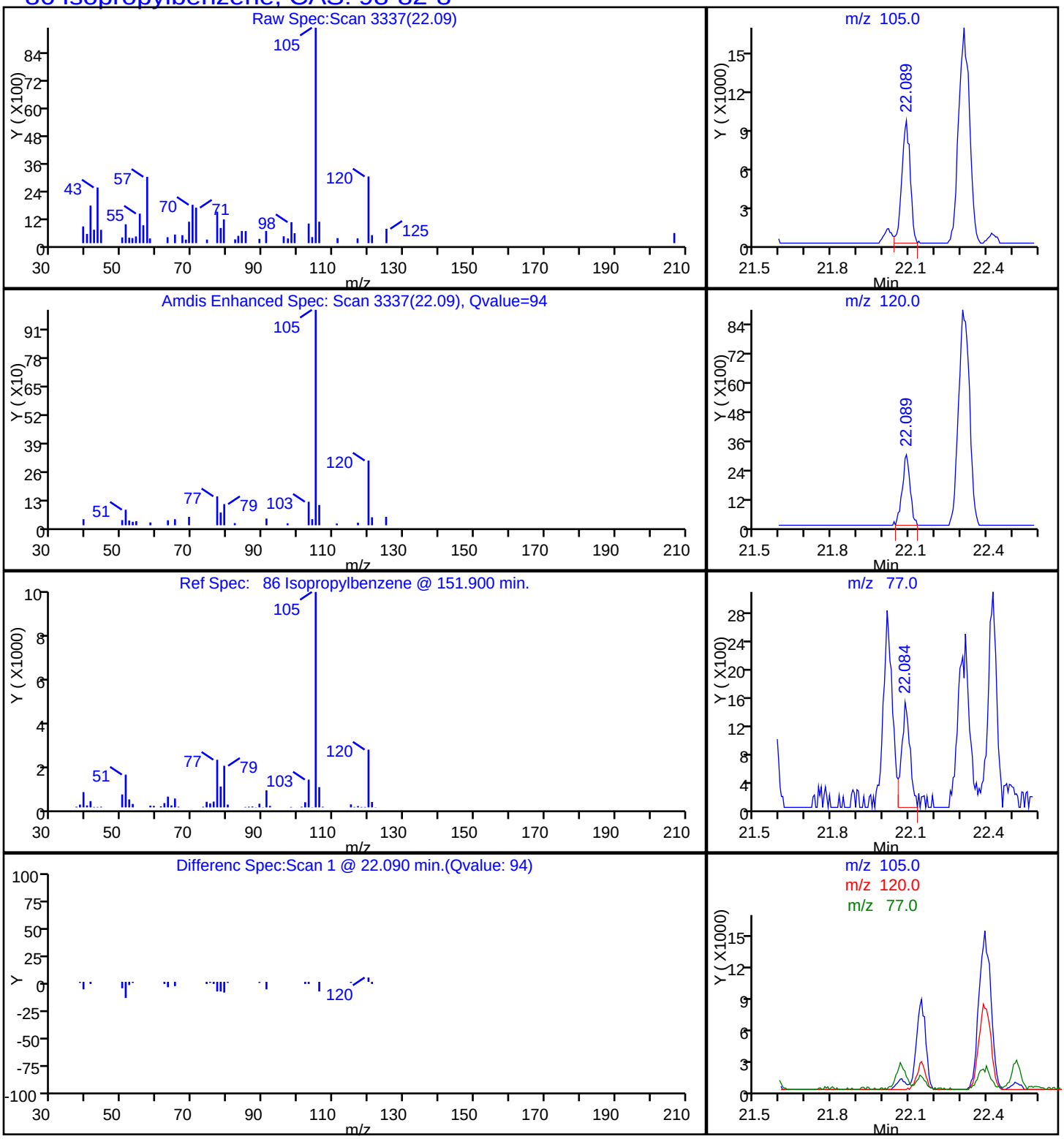




TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140806-8889.b\8889_006.d				
Injection Date:	06-Aug-2014 16:10:30	Instrument ID:	CHW.i		
Lims ID:	280-58004-A-3	Lab Sample ID:	200-58004-3		
Client ID:	786VMP0102LA				
Operator ID:	BPL	ALS Bottle#:	5	Worklist Smp#:	6
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
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



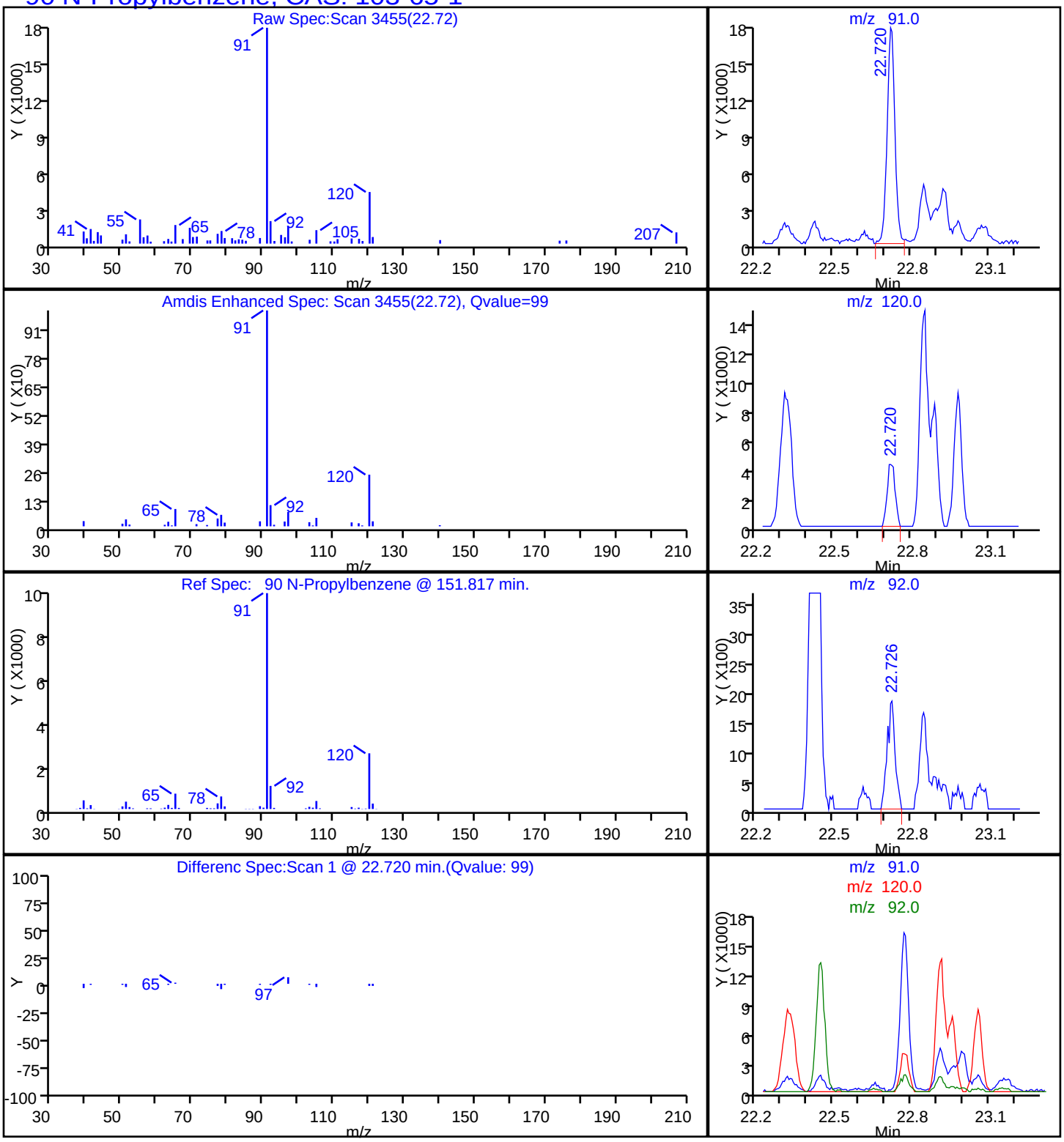
Report Date: 07-Aug-2014 09:51:33 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140806-8889.b\8889_006.d

Injection Date:	06-Aug-2014 16:10:30	Instrument ID:	CHW.i		
Lims ID:	280-58004-A-3	Lab Sample ID:	200-58004-3		
Client ID:	786VMP0102LA				
Operator ID:	BPL	ALS Bottle#:	5	Worklist Smp#:	6
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

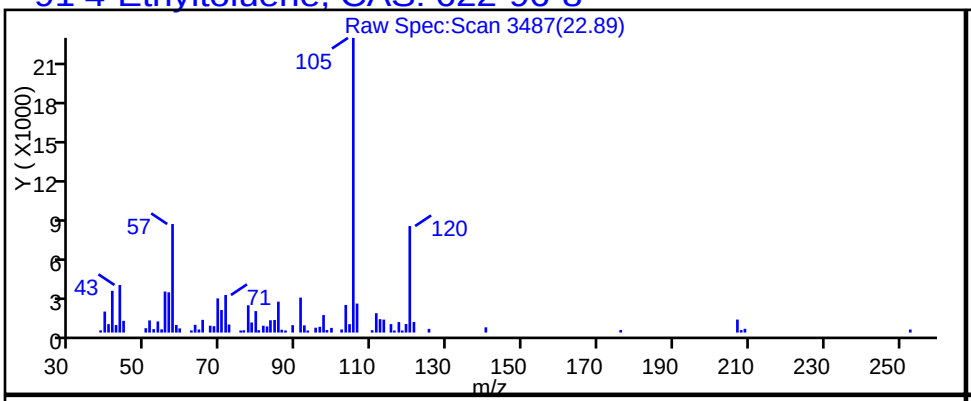
90 N-Propylbenzene, CAS: 103-65-1

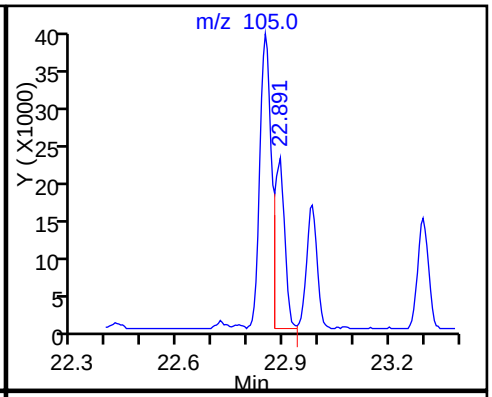


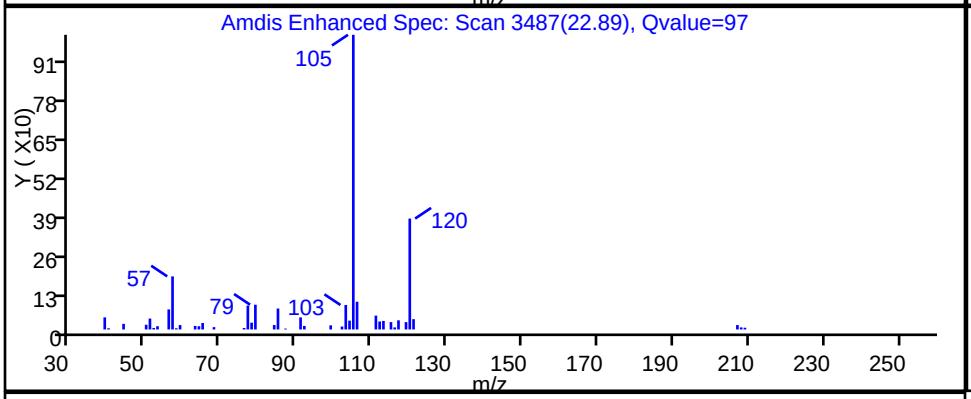
TestAmerica Burlington

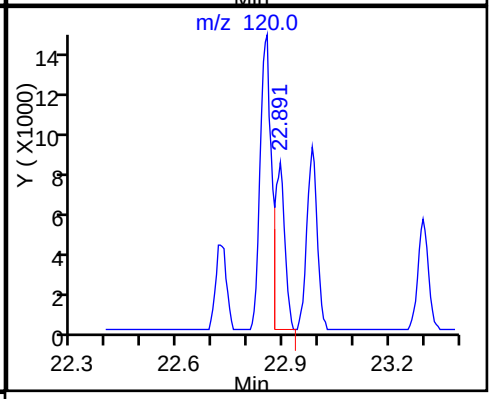
Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140806-8889.b\8889_006.d				
Injection Date:	06-Aug-2014 16:10:30	Instrument ID:	CHW.i		
Lims ID:	280-58004-A-3	Lab Sample ID:	200-58004-3		
Client ID:	786VMP0102LA				
Operator ID:	BPL	ALS Bottle#:	5	Worklist Smp#:	6
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

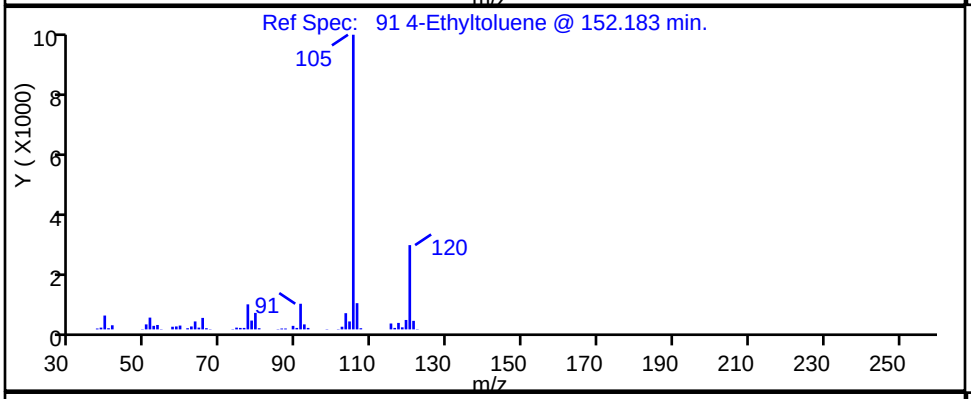
91 4-Ethyltoluene, CAS: 622-96-8

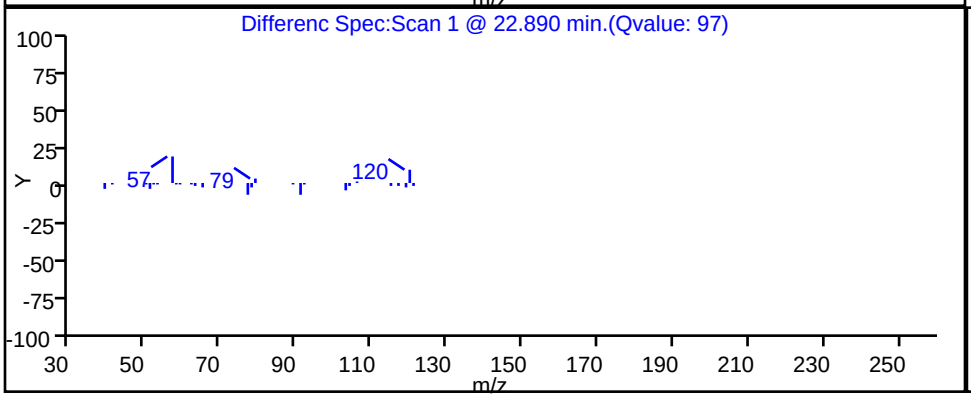


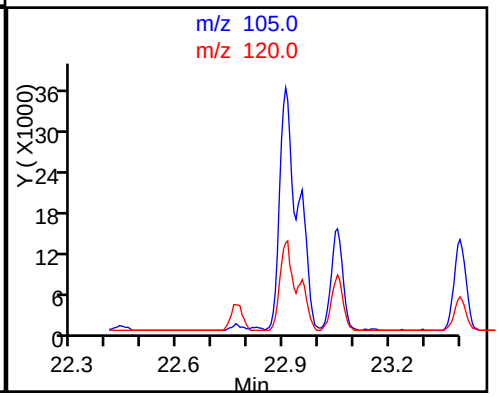












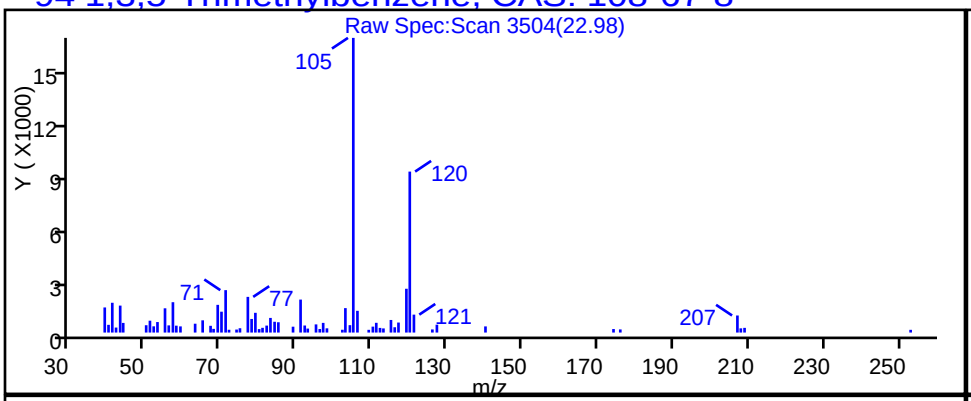
Report Date: 07-Aug-2014 09:51:33 Chrom Revision: 2.2 24-Jun-2014 07:21:42

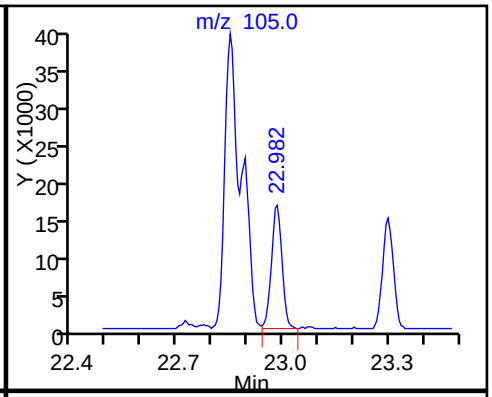
TestAmerica Burlington

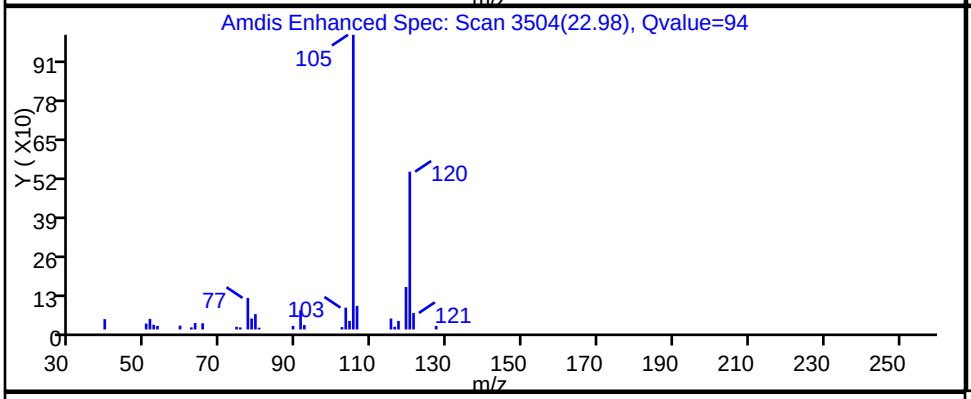
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140806-8889.b\8889_006.d

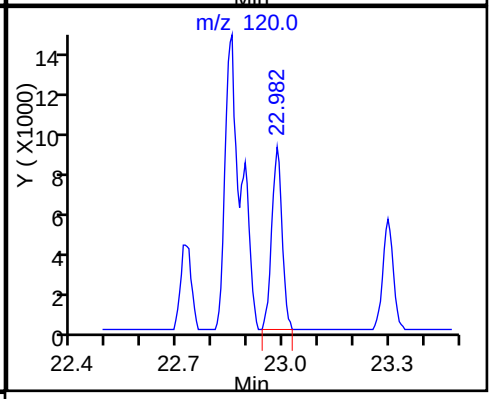
Injection Date:	06-Aug-2014 16:10:30	Instrument ID:	CHW.i		
Lims ID:	280-58004-A-3	Lab Sample ID:	200-58004-3		
Client ID:	786VMP0102LA				
Operator ID:	BPL	ALS Bottle#:	5	Worklist Smp#:	6
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

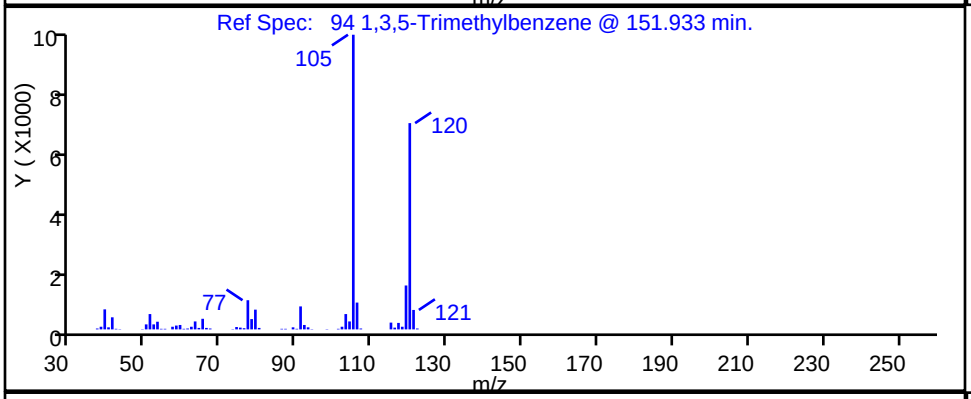
94 1,3,5-Trimethylbenzene, CAS: 108-67-8

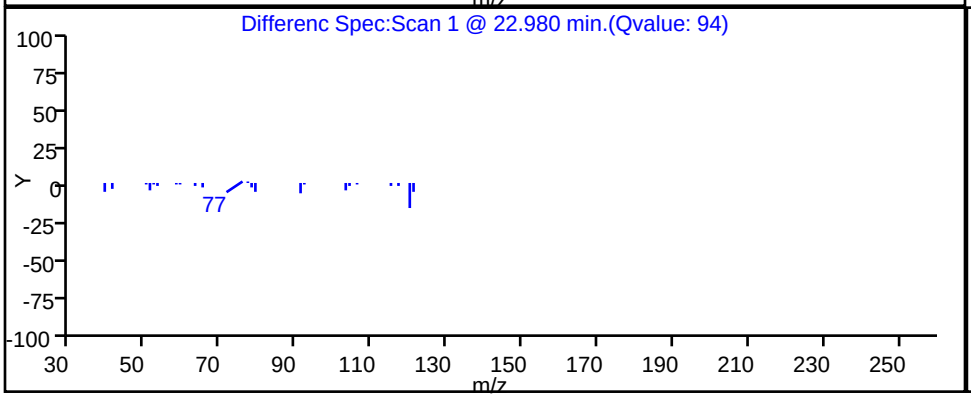


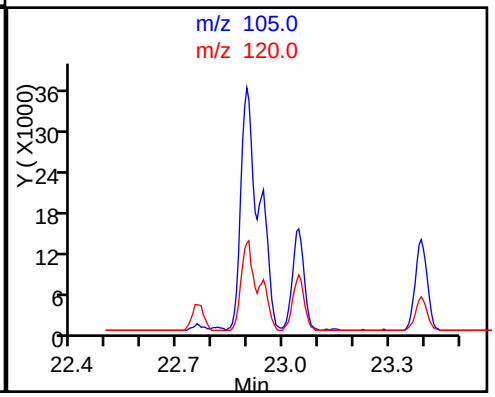












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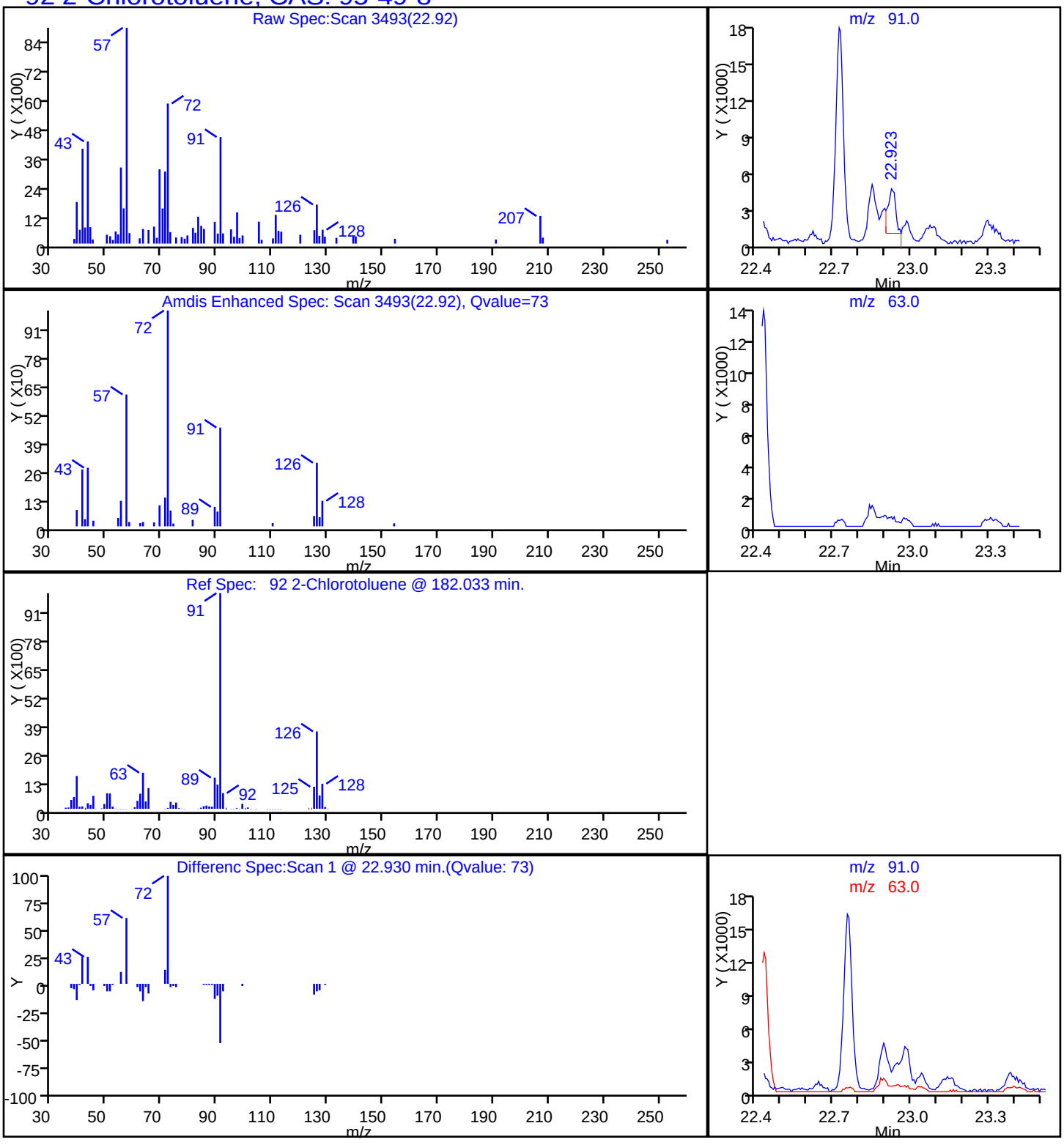
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140806-8889.b\8889_006.d

Injection Date:	06-Aug-2014 16:10:30	Instrument ID:	CHW.i		
Lims ID:	280-58004-A-3	Lab Sample ID:	200-58004-3		
Client ID:	786VMP0102LA				
Operator ID:	BPL	ALS Bottle#:	5	Worklist Smp#:	6
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

92 2-Chlorotoluene, CAS: 95-49-8



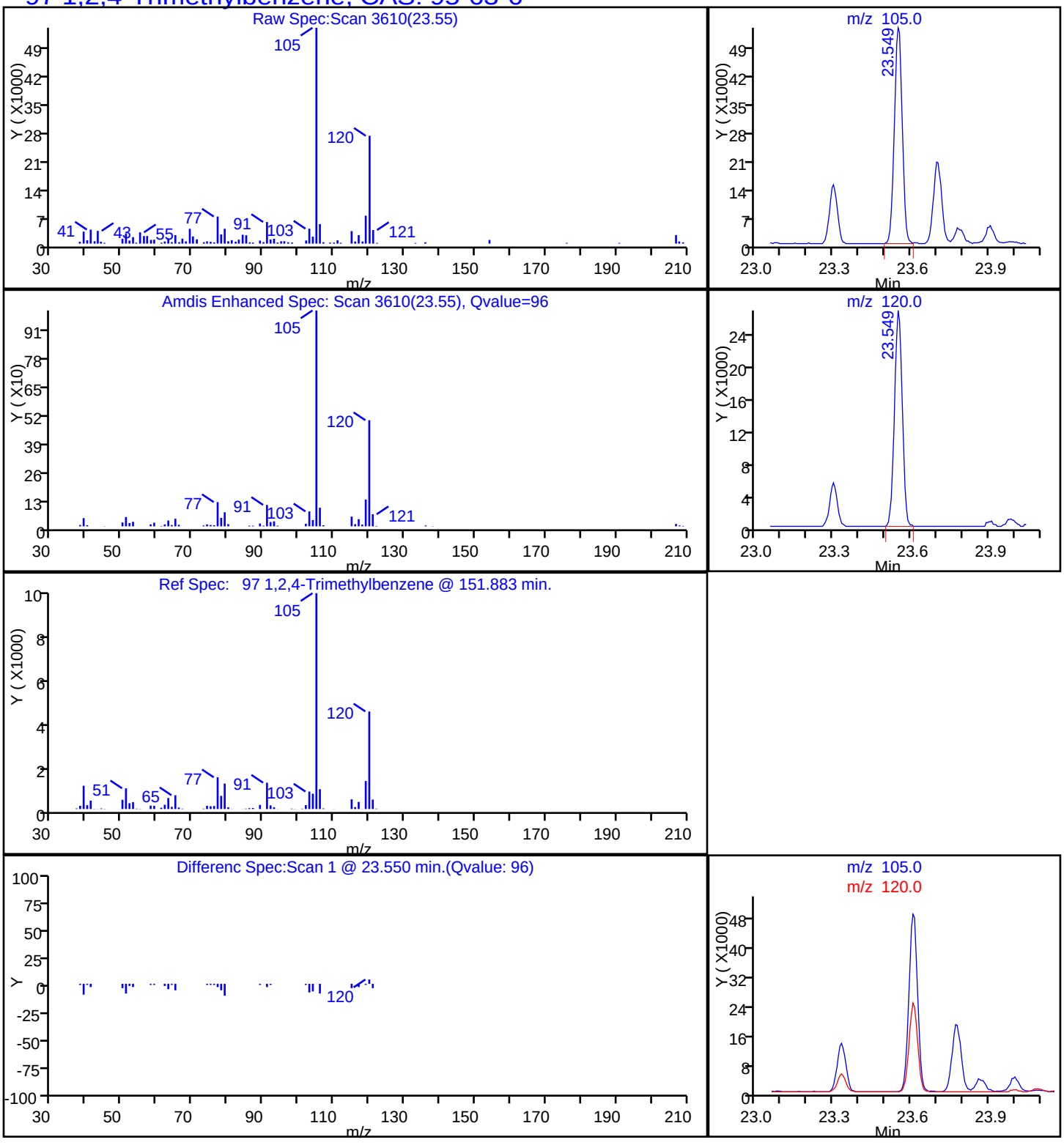
Report Date: 07-Aug-2014 09:51:33 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140806-8889.b\8889_006.d

Injection Date:	06-Aug-2014 16:10:30	Instrument ID:	CHW.i		
Lims ID:	280-58004-A-3	Lab Sample ID:	200-58004-3		
Client ID:	786VMP0102LA				
Operator ID:	BPL	ALS Bottle#:	5	Worklist Smp#:	6
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
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



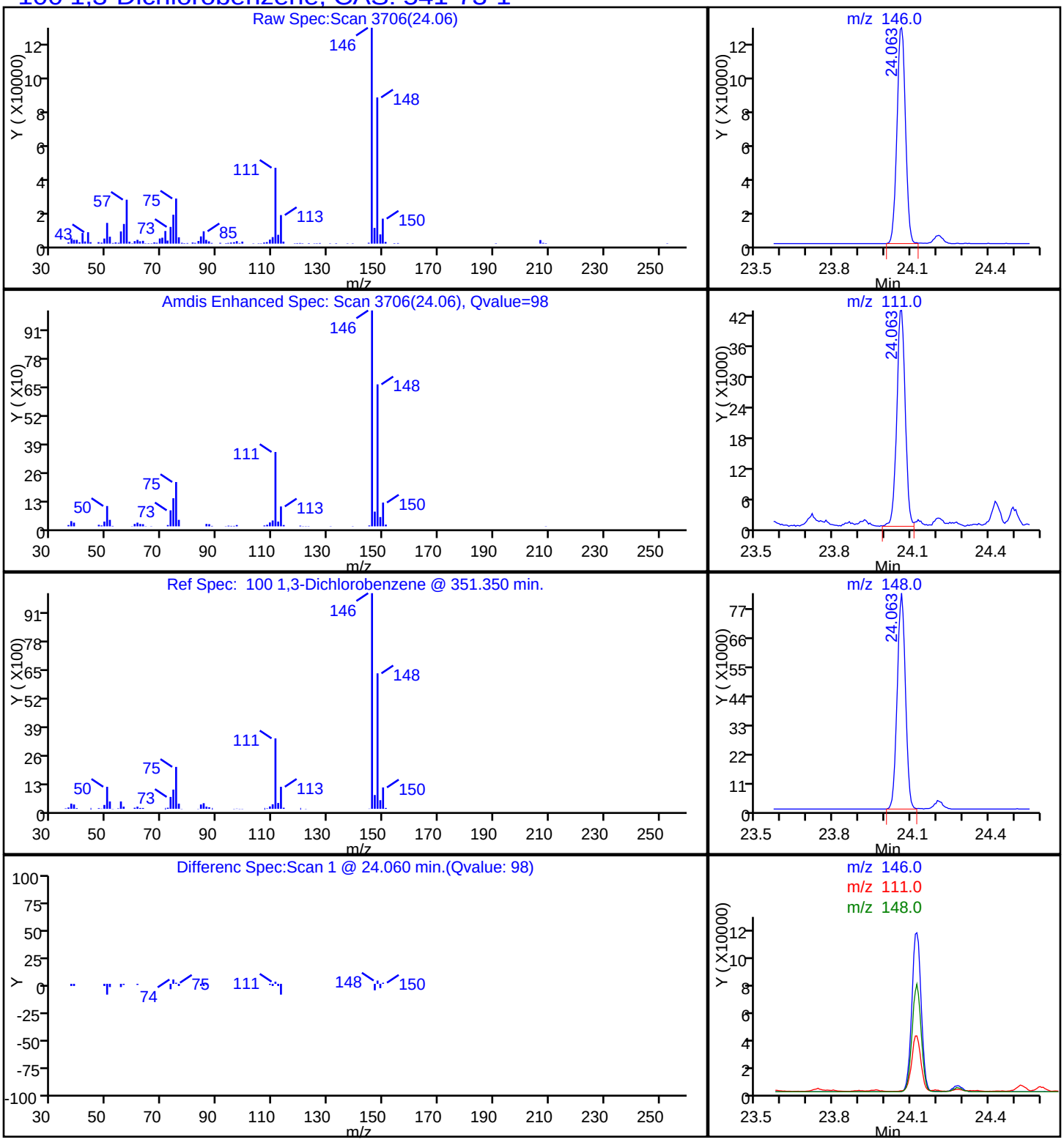
Report Date: 07-Aug-2014 09:51:33 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140806-8889.b\8889_006.d

Injection Date:	06-Aug-2014 16:10:30	Instrument ID:	CHW.i		
Lims ID:	280-58004-A-3	Lab Sample ID:	200-58004-3		
Client ID:	786VMP0102LA				
Operator ID:	BPL	ALS Bottle#:	5	Worklist Smp#:	6
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
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



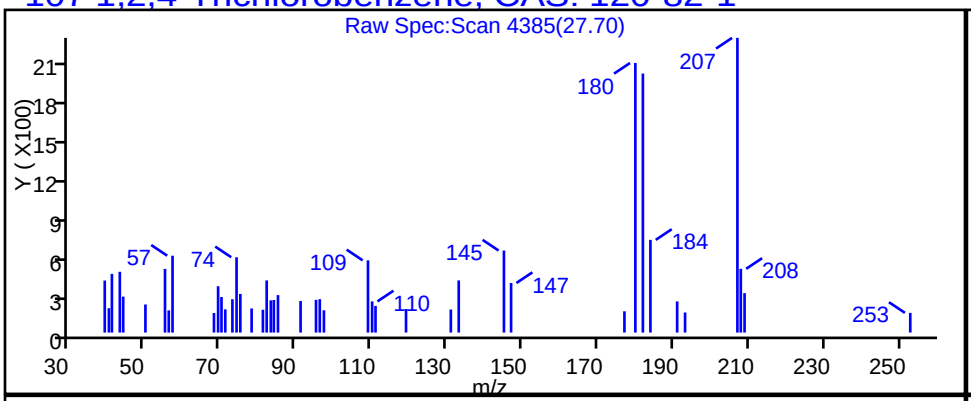
Report Date: 07-Aug-2014 09:51:33 Chrom Revision: 2.2 24-Jun-2014 07:21:42

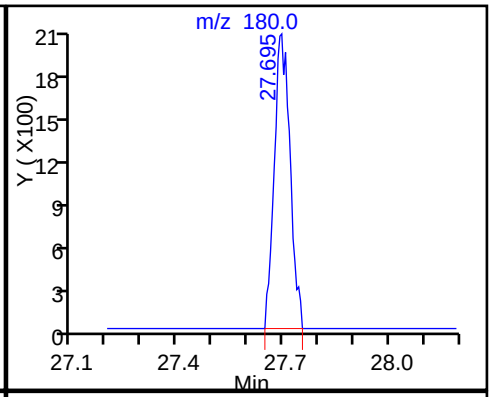
TestAmerica Burlington

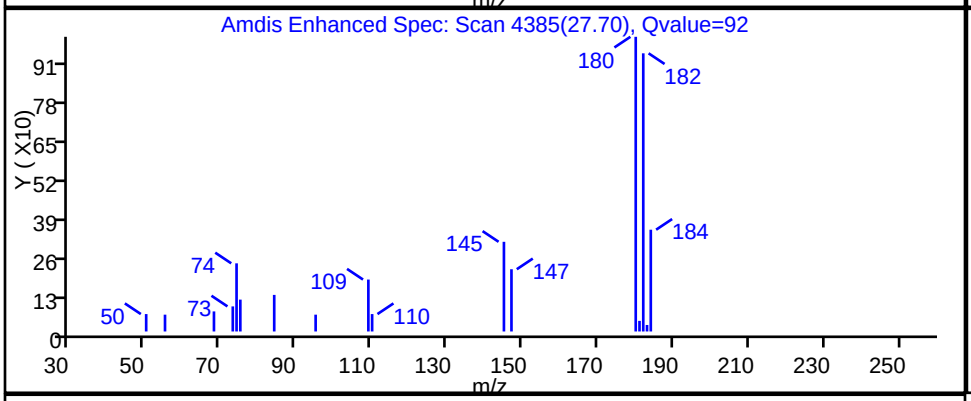
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140806-8889.b\8889_006.d

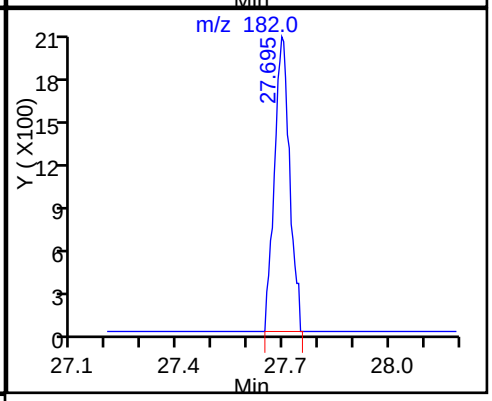
Injection Date:	06-Aug-2014 16:10:30	Instrument ID:	CHW.i		
Lims ID:	280-58004-A-3	Lab Sample ID:	200-58004-3		
Client ID:	786VMP0102LA				
Operator ID:	BPL	ALS Bottle#:	5	Worklist Smp#:	6
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

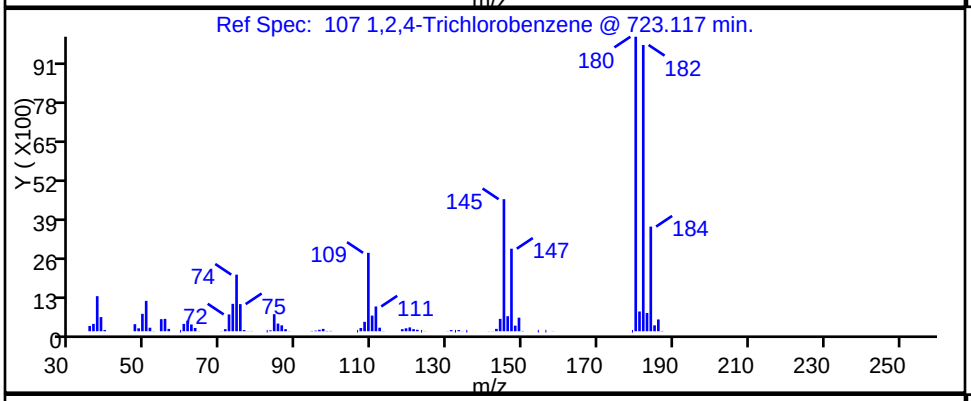
107 1,2,4-Trichlorobenzene, CAS: 120-82-1

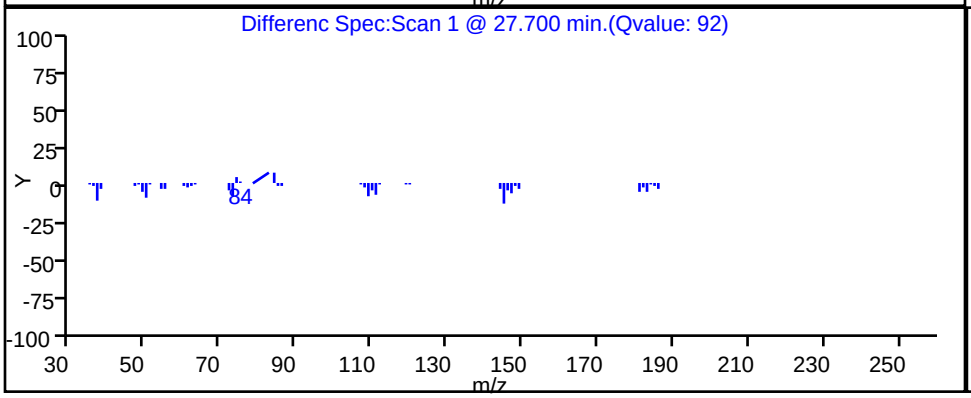


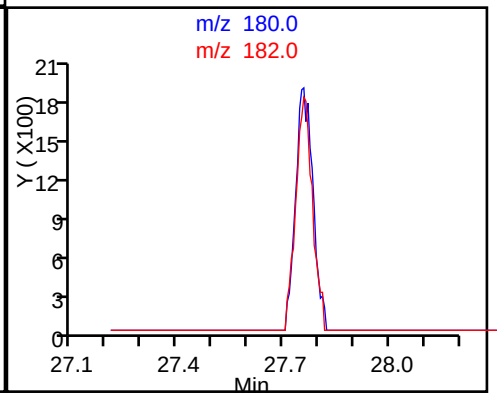












Manual Integration/User Assign Peak Report

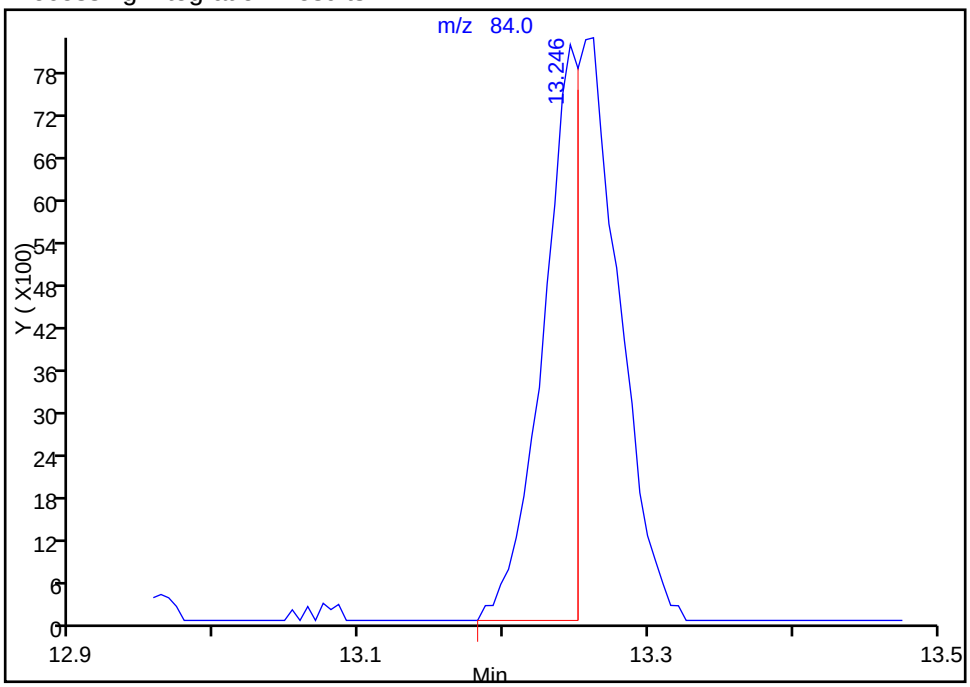
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140806-8889.b\8889_006.d				
Injection Date:	06-Aug-2014 16:10:30	Instrument ID:	CHW.i		
Lims ID:	280-58004-A-3	Lab Sample ID:	200-58004-3		
Client ID:	786VMP0102LA				
Operator ID:	BPL	ALS Bottle#:	5	Worklist Smp#:	6
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
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

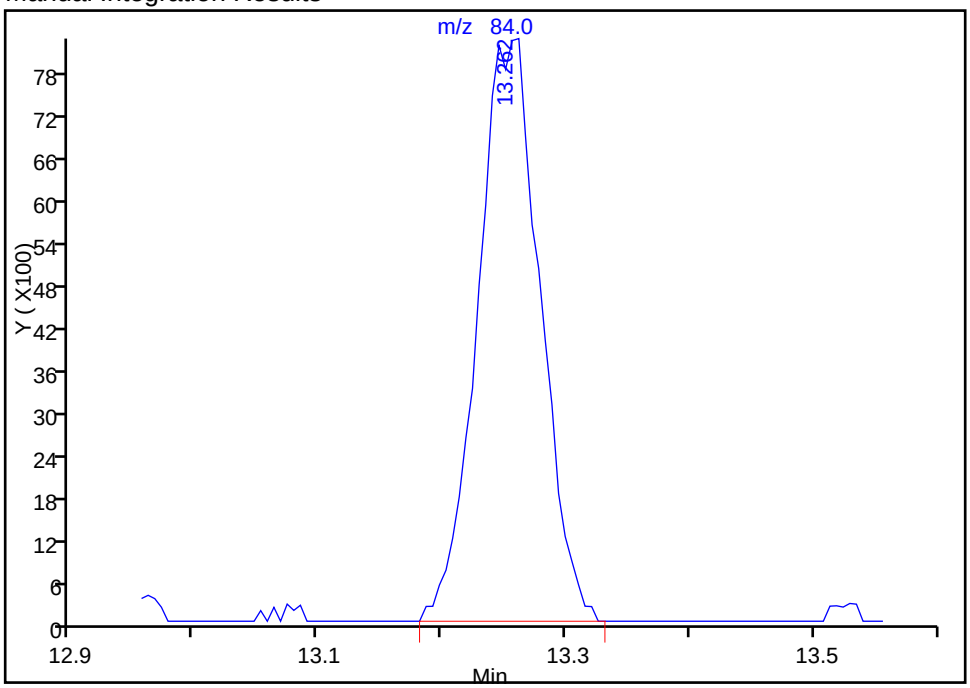
Processing Integration Results

RT: 13.25
Response: 14260
Amount: 0.193587



Manual Integration Results

RT: 13.26
Response: 28920
Amount: 0.392604



Reviewer: lyonsb, 07-Aug-2014 09:47:53
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

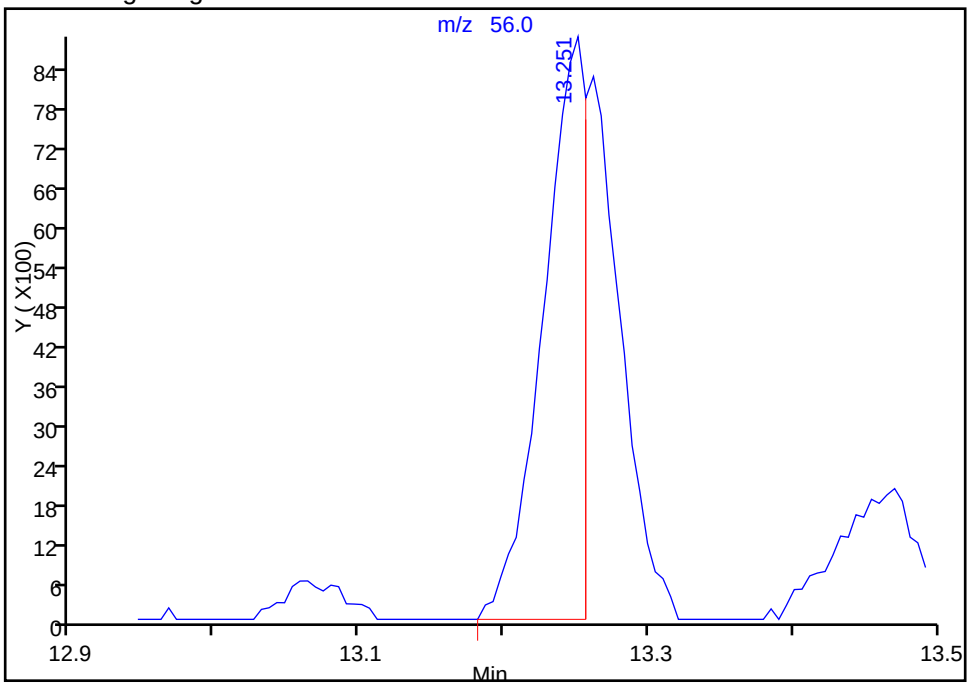
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140806-8889.b\8889_006.d				
Injection Date:	06-Aug-2014 16:10:30	Instrument ID:	CHW.i		
Lims ID:	280-58004-A-3	Lab Sample ID:	200-58004-3		
Client ID:	786VMP0102LA				
Operator ID:	BPL	ALS Bottle#:	5	Worklist Smp#:	6
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
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

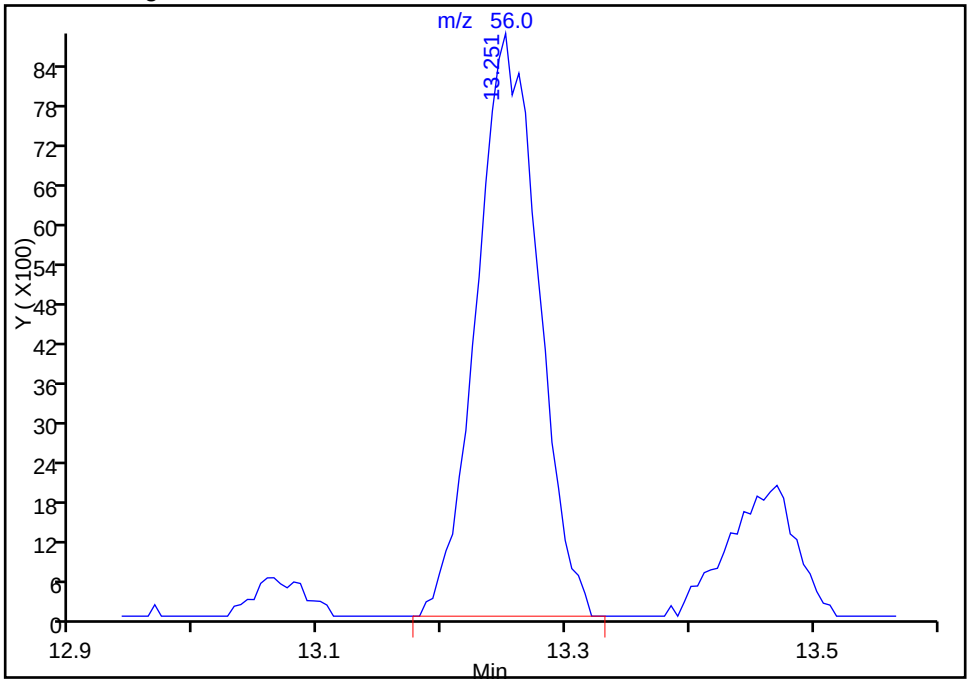
Processing Integration Results

RT: 13.25
Response: 18298
Amount: 0.193587



Manual Integration Results

RT: 13.25
Response: 30674
Amount: 0.392604



Reviewer: lyonsb, 07-Aug-2014 09:47:53
Audit Action: Manually Integrated
Audit Reason: Baseline Event

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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Client Sample ID: 785IA13 Lab Sample ID: 280-58004-4

Matrix: Air Lab File ID: 8660_024.D

Analysis Method: TO-15 Date Collected: 07/17/2014 10:20

Sample wt/vol: 200(mL) Date Analyzed: 07/23/2014 05:31

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75167 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	0.52		0.50	0.030
75-45-6	Freon 22	86.47	0.31	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	0.75		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	0.26		0.20	0.030
76-13-1	Freon TF	187.38	0.090	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	7.8		5.0	1.3
67-63-0	Isopropyl alcohol	60.10	0.85	J	5.0	0.22
75-15-0	Carbon disulfide	76.14	2.2		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	0.081	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	1.3		0.50	0.24
156-59-2	cis-1,2-Dichloroethene	96.94	0.21		0.20	0.038
540-59-0	1,2-Dichloroethene, Total	96.94	0.21		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	0.081	J	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	0.095	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.: 280-58004-1

SDG No.:

Client Sample ID: 785IA13 | Lab Sample ID: 280-58004-4

Matrix: Air | Lab File ID: 8660_024.D

Analysis Method: TO-15 | Date Collected: 07/17/2014 10:20

Sample wt/vol: 200(mL) | Date Analyzed: 07/23/2014 05:31

Soil Aliquot Vol: | Dilution Factor: 1

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

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

Analysis Batch No.: 75167 | 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	0.16	J	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	3.1	J	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	0.091	J	0.50	0.027
108-88-3	Toluene	92.14	0.35		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	0.16	J	0.20	0.013
179601-23-1	m,p-Xylene	106.17	0.48	J	0.50	0.023
95-47-6	Xylene, o-	106.17	0.093	J	0.20	0.016
1330-20-7	Xylene (total)	106.17	0.57		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	0.023	J	0.20	0.018
108-67-8	1,3,5-Trimethylbenzene	120.20	0.030	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	0.085	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	0.10	J	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	0.019	J	0.20	0.014

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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Client Sample ID: 785IA13 Lab Sample ID: 280-58004-4

Matrix: Air Lab File ID: 8660_024.D

Analysis Method: TO-15 Date Collected: 07/17/2014 10:20

Sample wt/vol: 200(mL) Date Analyzed: 07/23/2014 05:31

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75167 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.: 280-58004-1

SDG No.:

Client Sample ID: 785IA13 Lab Sample ID: 280-58004-4

Matrix: Air Lab File ID: 8660_024.D

Analysis Method: TO-15 Date Collected: 07/17/2014 10:20

Sample wt/vol: 200(mL) Date Analyzed: 07/23/2014 05:31

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75167 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	2.6		2.5	0.15
75-45-6	Freon 22	86.47	1.1	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	1.5		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	1.5		1.1	0.17
76-13-1	Freon TF	187.38	0.69	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	19		12	3.0
67-63-0	Isopropyl alcohol	60.10	2.1	J	12	0.53
75-15-0	Carbon disulfide	76.14	6.8		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	0.29	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	3.9		1.5	0.71
156-59-2	cis-1,2-Dichloroethene	96.94	0.84		0.79	0.15
540-59-0	1,2-Dichloroethene, Total	96.94	0.83		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	0.51	J	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	0.30	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.: 280-58004-1

SDG No.:

Client Sample ID: 785IA13 Lab Sample ID: 280-58004-4

Matrix: Air Lab File ID: 8660_024.D

Analysis Method: TO-15 Date Collected: 07/17/2014 10:20

Sample wt/vol: 200(mL) Date Analyzed: 07/23/2014 05:31

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75167 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	0.88	J	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	11	J	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	0.37	J	2.0	0.11
108-88-3	Toluene	92.14	1.3		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	0.69	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	0.40	J	0.87	0.069
1330-20-7	Xylene (total)	106.17	2.5		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	0.12	J	0.98	0.088
108-67-8	1,3,5-Trimethylbenzene	120.20	0.15	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	0.42	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	0.56	J	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	0.11	J	1.2	0.084

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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Client Sample ID: 785IA13 Lab Sample ID: 280-58004-4

Matrix: Air Lab File ID: 8660_024.D

Analysis Method: TO-15 Date Collected: 07/17/2014 10:20

Sample wt/vol: 200(mL) Date Analyzed: 07/23/2014 05:31

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75167 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\CHG.i\20140722-8660.b\8660_024.D
Lims ID: 280-58004-A-4 Lab Sample ID: 200-58004-4
Client ID: 785IA13
Sample Type: Client
Inject. Date: 23-Jul-2014 05:31:30 ALS Bottle#: 23 Worklist Smp#: 24
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0008660-024
Misc. Info.: 280-58004-4
Operator ID: pad Instrument ID: CHG.i

Method: \\BTV-LIMS1\ChromData\CHG.i\20140722-8660.b\TO15_LLNJ_TO3_G.m
Limit Group: AI_TO15_ICAL
Last Update: 23-Jul-2014 12:23:50 Calib Date: 02-Jul-2014 22:50:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHG.i\20140702-8394.b\8394_010.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK023

First Level Reviewer: daiglep Date: 23-Jul-2014 12:08:42

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	2.833	2.827	0.006	99	61533	0.5210	
6 Chlorodifluoromethane	51	2.886	2.886	0.000	96	14190	0.3123	
7 1,2-Dichloro-1,1,2,2-tetra	85		3.105				ND	
8 Chloromethane	50	3.244	3.244	0.000	99	16980	0.7490	
9 Butane	43		3.448				ND	
10 Vinyl chloride	62		3.496				ND	
11 Butadiene	54		3.576				ND	
12 Bromomethane	94		4.293				ND	
14 Chloroethane	64		4.550				ND	
16 Vinyl bromide	106		4.962				ND	
17 Trichlorofluoromethane	101	5.063	5.074	-0.011	98	34777	0.2635	
23 1,1,2-Trichloro-1,2,2-trif	101	6.230	6.230	0.000	95	7810	0.0902	M
24 1,1-Dichloroethene	96		6.262				ND	
25 Acetone	43	6.540	6.540	0.000	86	241888	7.82	
26 Carbon disulfide	76	6.642	6.647	-0.005	99	213822	2.17	
27 Isopropyl alcohol	45	6.877	6.866	0.011	97	22054	0.8548	
29 3-Chloro-1-propene	41		7.107				ND	
31 Methylene Chloride	49		7.423				ND	
32 2-Methyl-2-propanol	59		7.679				ND	
33 Methyl tert-butyl ether	73		7.840				ND	
34 trans-1,2-Dichloroethene	61		7.872				ND	
36 Hexane	57	8.279	8.273	0.006	36	2576	0.0812	
37 1,1-Dichloroethane	63		8.787				ND	
39 cis-1,2-Dichloroethene	96	9.937	9.937	0.000	89	11679	0.2118	
40 2-Butanone (MEK)	72	10.001	10.006	-0.005	97	22414	1.32	
S 41 1,2-Dichloroethene, Total	61				0		0.2118	
44 Tetrahydrofuran	42		10.397				ND	
* 43 Chlorobromomethane	128	10.408	10.408	0.000	68	631128	10.0	
45 Chloroform	83		10.557				ND	
46 Cyclohexane	84		10.771				ND	
47 1,1,1-Trichloroethane	97		10.814				ND	

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
	48 Carbon tetrachloride	117	11.055	11.060	-0.005	96	13214	0.0807	
	51 Isooctane	57		11.515				ND	
	50 Benzene	78	11.542	11.547	-0.005	93	13886	0.0949	
	52 1,2-Dichloroethane	62		11.745				ND	
	53 n-Heptane	43		11.922				ND	
*	54 1,4-Difluorobenzene	114	12.419	12.419	0.000	91	3309753	10.0	
	56 Trichloroethene	95	12.874	12.869	0.005	94	17309	0.1635	
	58 1,2-Dichloropropane	63		13.446				ND	
	59 Methyl methacrylate	69		13.634				ND	
	60 1,4-Dioxane	88	13.682	13.676	0.006	84	98984	3.08	
	62 Dichlorobromomethane	83		14.019				ND	
	64 cis-1,3-Dichloropropene	75		15.003				ND	
	65 4-Methyl-2-pentanone (MIBK	43	15.319	15.313	0.006	92	10385	0.0910	
	66 Toluene	92	15.602	15.608	-0.006	96	49572	0.3530	
	70 trans-1,3-Dichloropropene	75		16.244				ND	
	71 1,1,2-Trichloroethane	83		16.629				ND	
	72 Tetrachloroethene	166		16.715				ND	
	73 2-Hexanone	43		17.100				ND	
	74 Chlorodibromomethane	129		17.400				ND	
	75 Ethylene Dibromide	107		17.678				ND	
*	76 Chlorobenzene-d5	117	18.587	18.587	0.000	82	3067708	10.0	
	77 Chlorobenzene	112		18.652				ND	
	78 Ethylbenzene	91	18.812	18.812	0.000	97	46314	0.1579	
	80 m-Xylene & p-Xylene	106	19.069	19.064	0.005	99	61895	0.4832	
	83 o-Xylene	106	19.914	19.914	0.000	94	12547	0.0931	
	84 Styrene	104		19.968				ND	
S	82 Xylenes, Total	106				0		0.5763	
	85 Bromoform	173		20.390				ND	
	86 Isopropylbenzene	105		20.599				ND	
*	87 4-Bromofluorobenzene	95	20.963	20.963	0.000	98	2174651	10.0	
	88 1,1,2,2-Tetrachloroethane	83		21.252				ND	
	90 N-Propylbenzene	91		21.321				ND	
	91 4-Ethyltoluene	105	21.514	21.508	0.006	53	7730	0.0235	
	92 2-Chlorotoluene	91		21.514				ND	
	94 1,3,5-Trimethylbenzene	105	21.610	21.615	-0.005	89	8630	0.0296	
	96 tert-Butylbenzene	119		22.102				ND	
	97 1,2,4-Trimethylbenzene	105	22.193	22.193	0.000	97	24473	0.0853	
	98 sec-Butylbenzene	105		22.423				ND	
	99 4-Isopropyltoluene	119	22.621	22.621	0.000	96	37090	0.1012	
	100 1,3-Dichlorobenzene	146		22.648				ND	
	101 1,4-Dichlorobenzene	146	22.787	22.782	0.005	94	5113	0.0188	
	102 Benzyl chloride	91		22.985				ND	
	103 n-Butylbenzene	91		23.188				ND	
	105 1,2-Dichlorobenzene	146		23.317				ND	
	107 1,2,4-Trichlorobenzene	180		25.804				ND	
	108 Hexachlorobutadiene	225		25.986				ND	
	109 Naphthalene	128		26.296				ND	

QC Flag Legend

Processing Flags
ND - Not Detected or Marked ND

Review Flags
M - Manually Integrated

Reagents:

ATTO15GIS_00009 Amount Added: 20.00 Units: mL Run Reagent

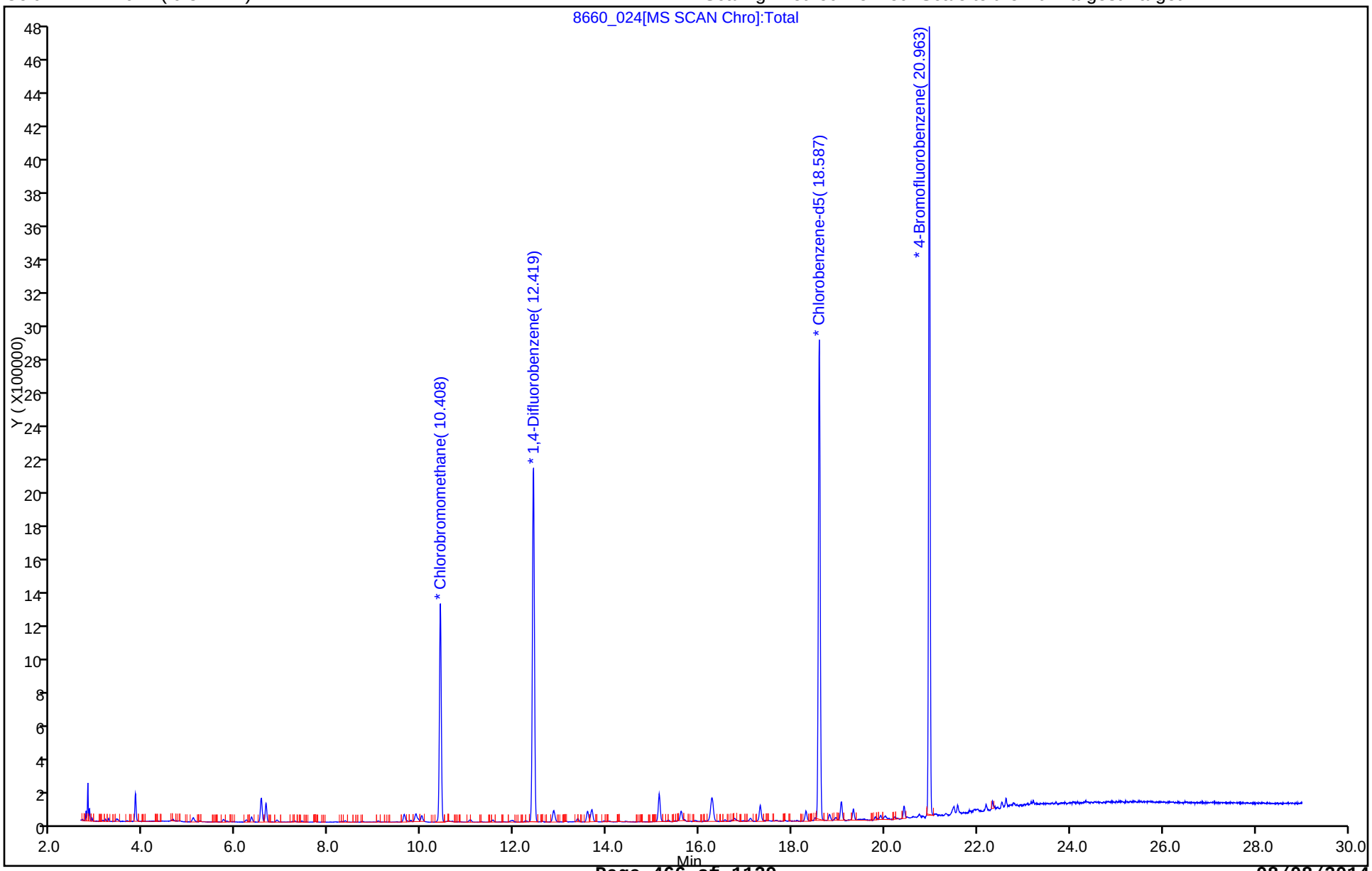
Report Date: 23-Jul-2014 12:24:19 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140722-8660.b\8660_024.D

Injection Date:	23-Jul-2014 05:31:30	Instrument ID:	CHG.i	Operator ID:	pad
Lims ID:	280-58004-A-4	Lab Sample ID:	200-58004-4	Worklist Smp#:	24
Client ID:	785IA13				
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	23
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



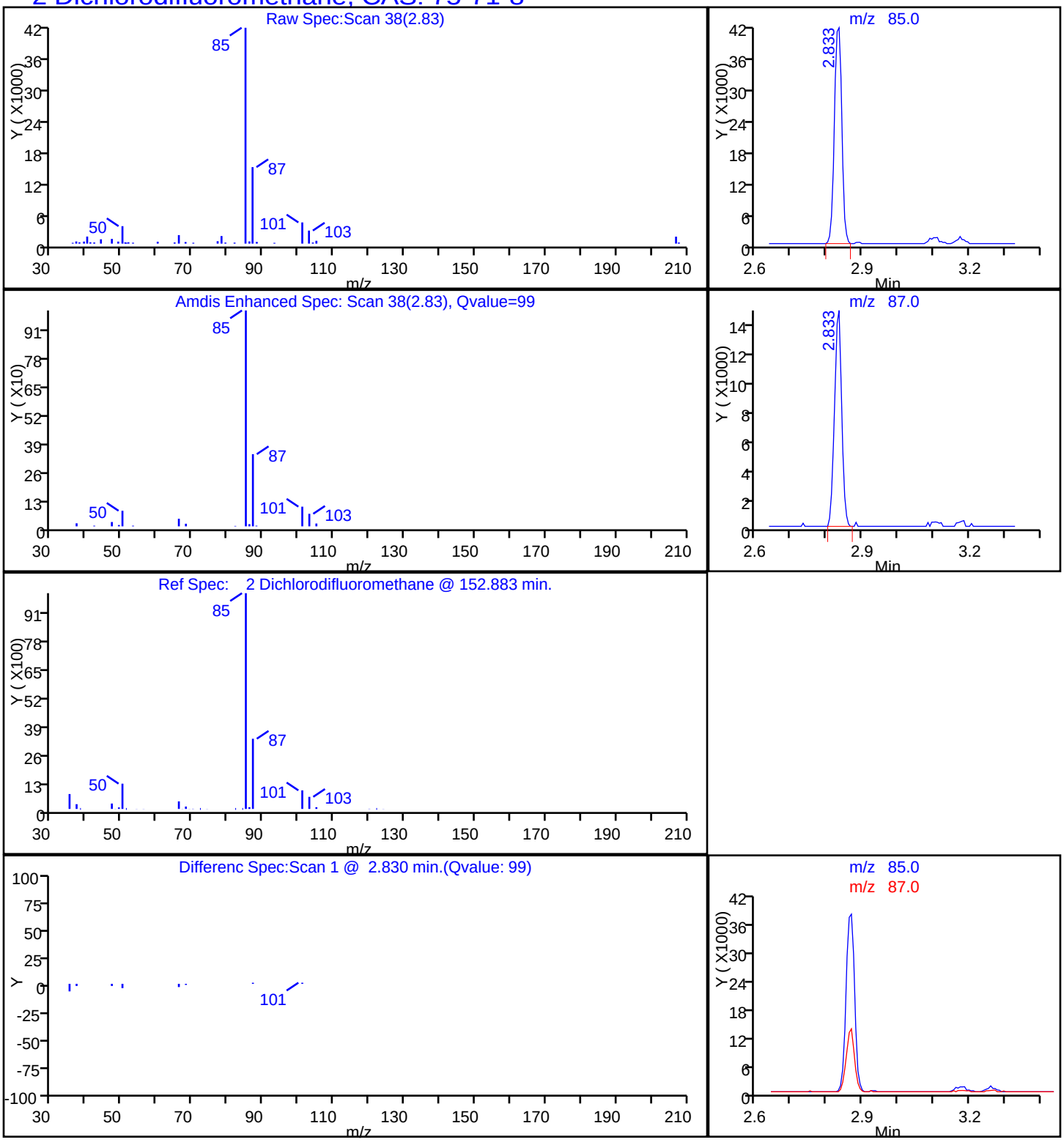
Report Date: 23-Jul-2014 12:24:19 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140722-8660.b\8660_024.D

Injection Date:	23-Jul-2014 05:31:30	Instrument ID:	CHG.i		
Lims ID:	280-58004-A-4	Lab Sample ID:	200-58004-4		
Client ID:	785IA13				
Operator ID:	pad	ALS Bottle#:	23	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

2 Dichlorodifluoromethane, CAS: 75-71-8



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TestAmerica Burlington

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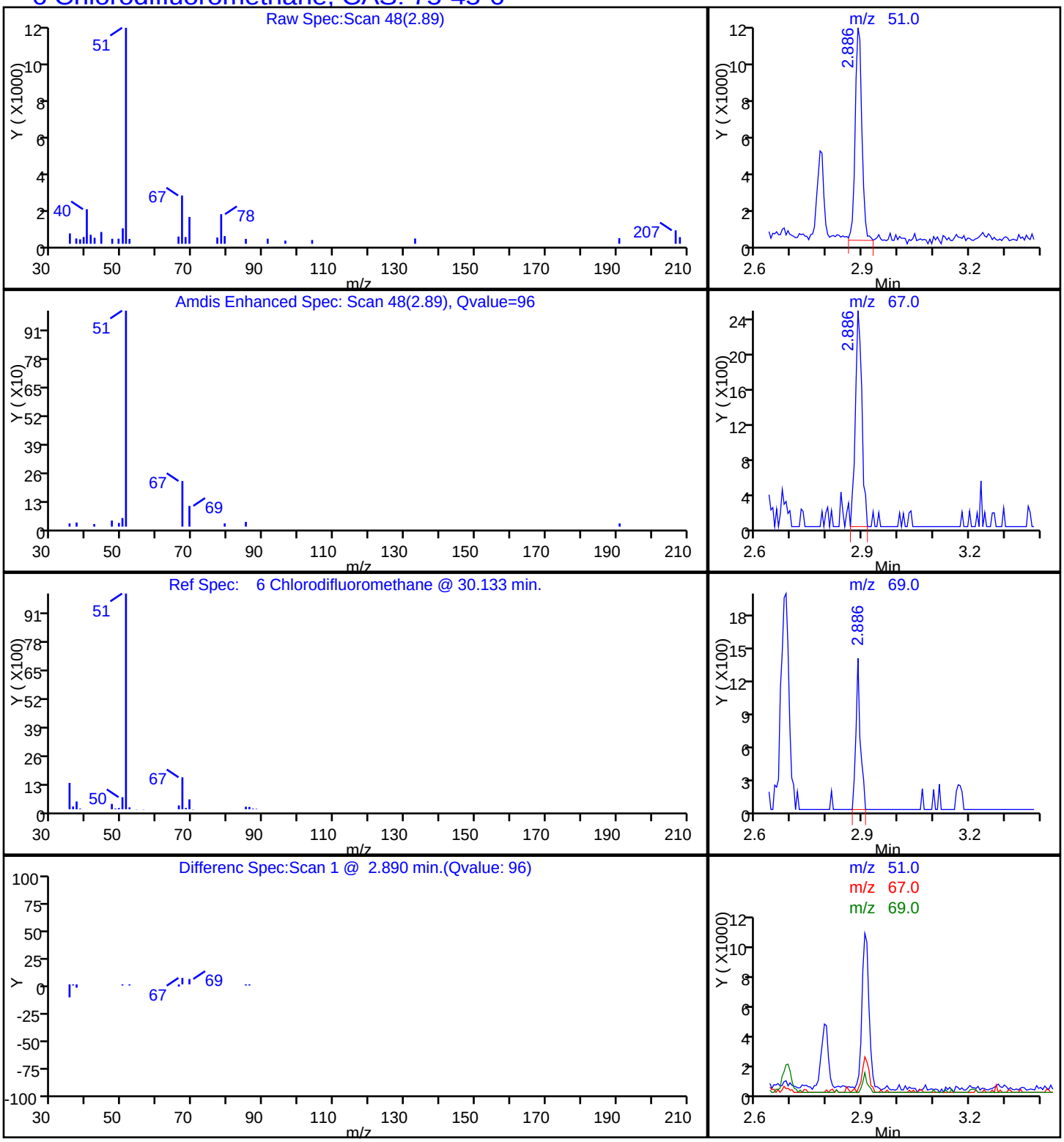
Injection Date:	23-Jul-2014 05:31:30	Instrument ID:	CHG.i		
Lims ID:	280-58004-A-4	Lab Sample ID:	200-58004-4		
Client ID:	785IA13				
Operator ID:	pad	ALS Bottle#:	23	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

6 Chlorodifluoromethane, CAS: 75-45-6



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TestAmerica Burlington

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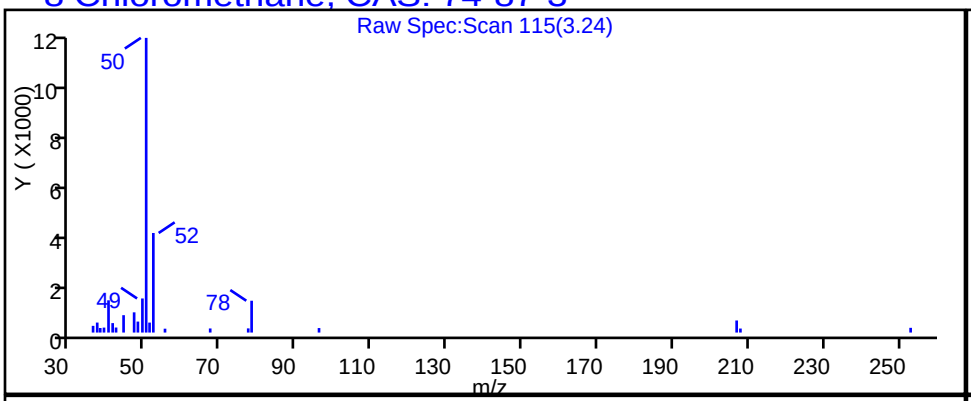
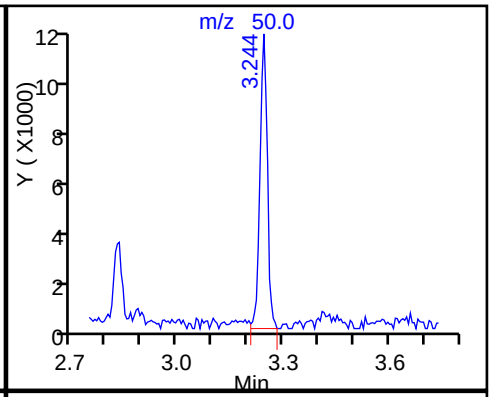
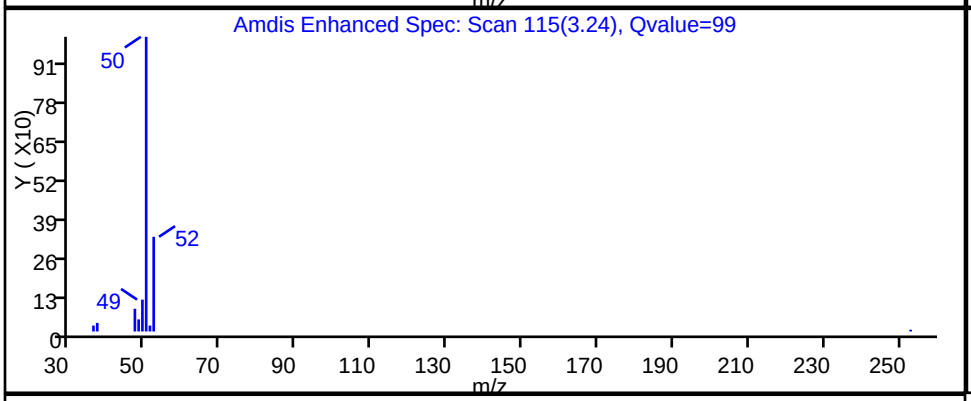
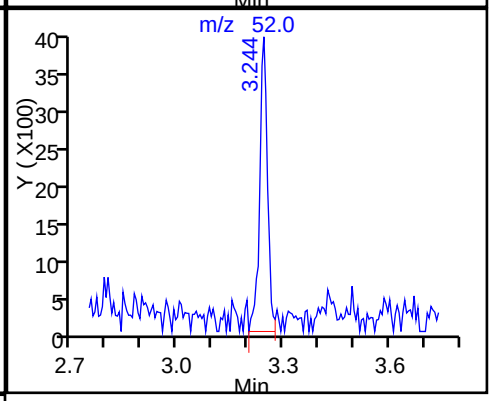
Client ID:	785IA13				
Operator ID:	pad	ALS Bottle#:	23	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

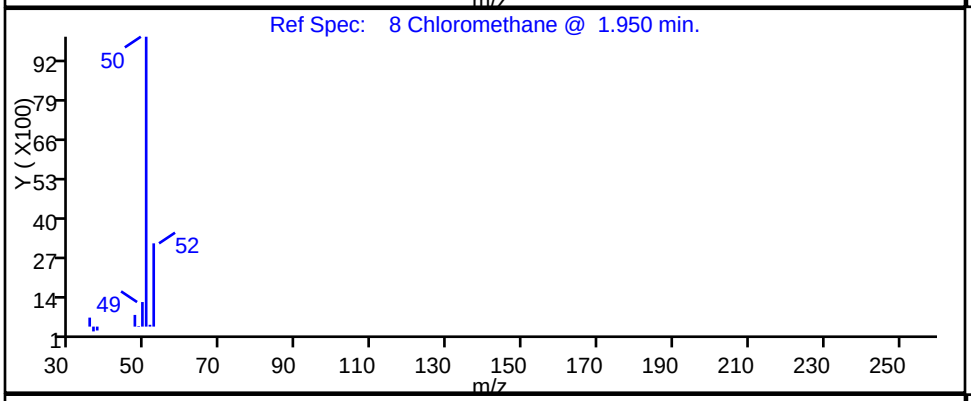
8 Chloromethane, CAS: 74-87-3

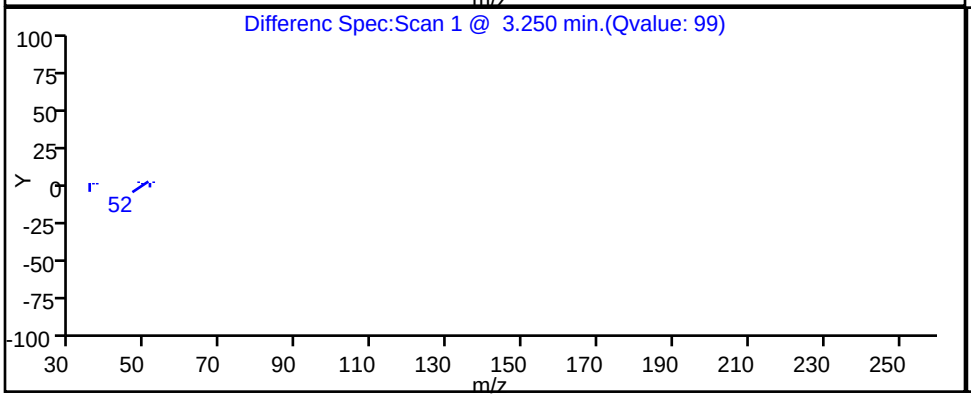


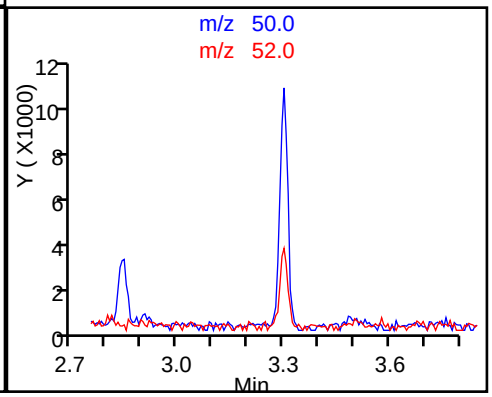












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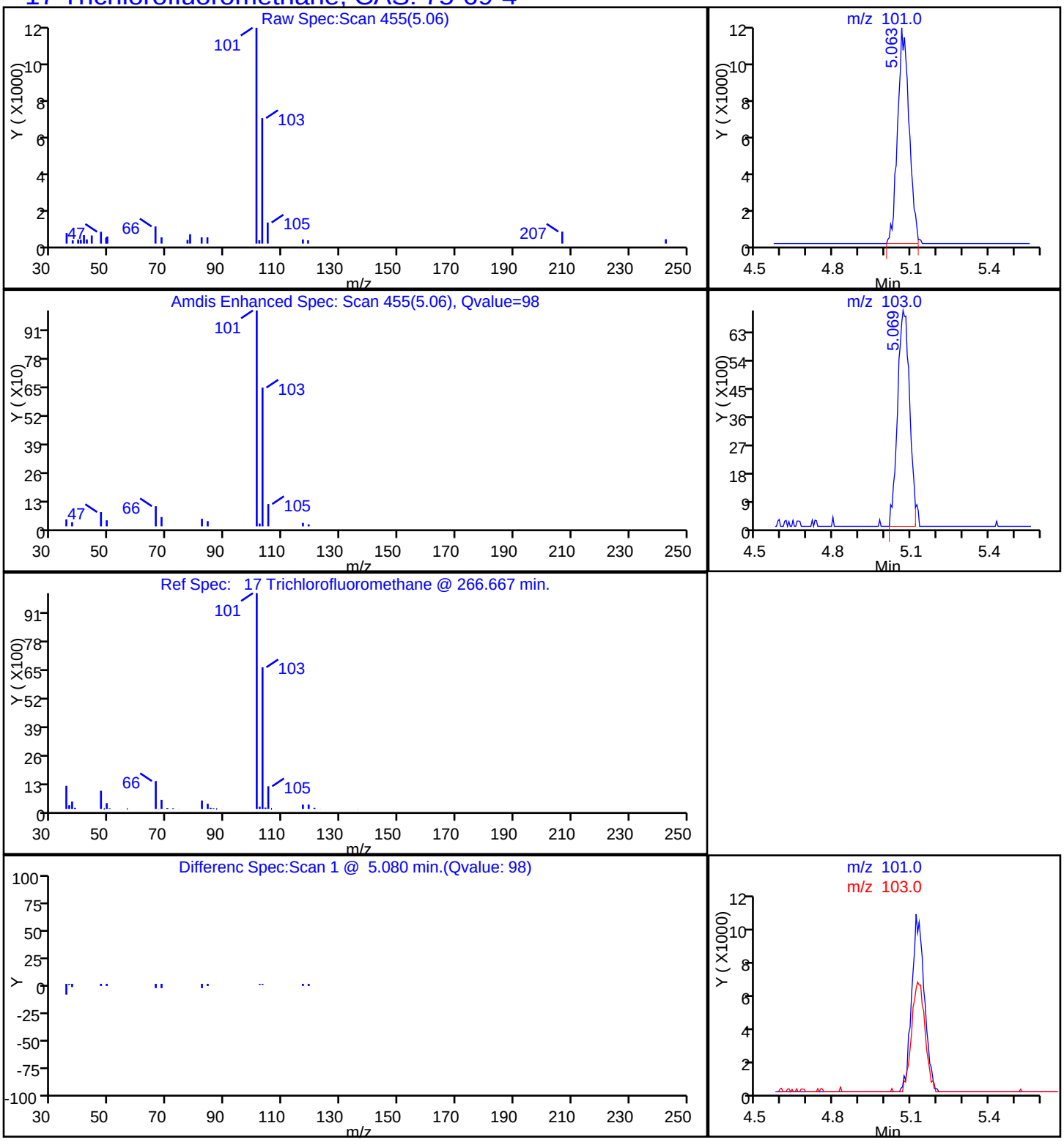
Injection Date:	23-Jul-2014 05:31:30	Instrument ID:	CHG.i		
Lims ID:	280-58004-A-4	Lab Sample ID:	200-58004-4		
Client ID:	785IA13				
Operator ID:	pad	ALS Bottle#:	23	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

17 Trichlorofluoromethane, CAS: 75-69-4



Report Date: 23-Jul-2014 12:24:19 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

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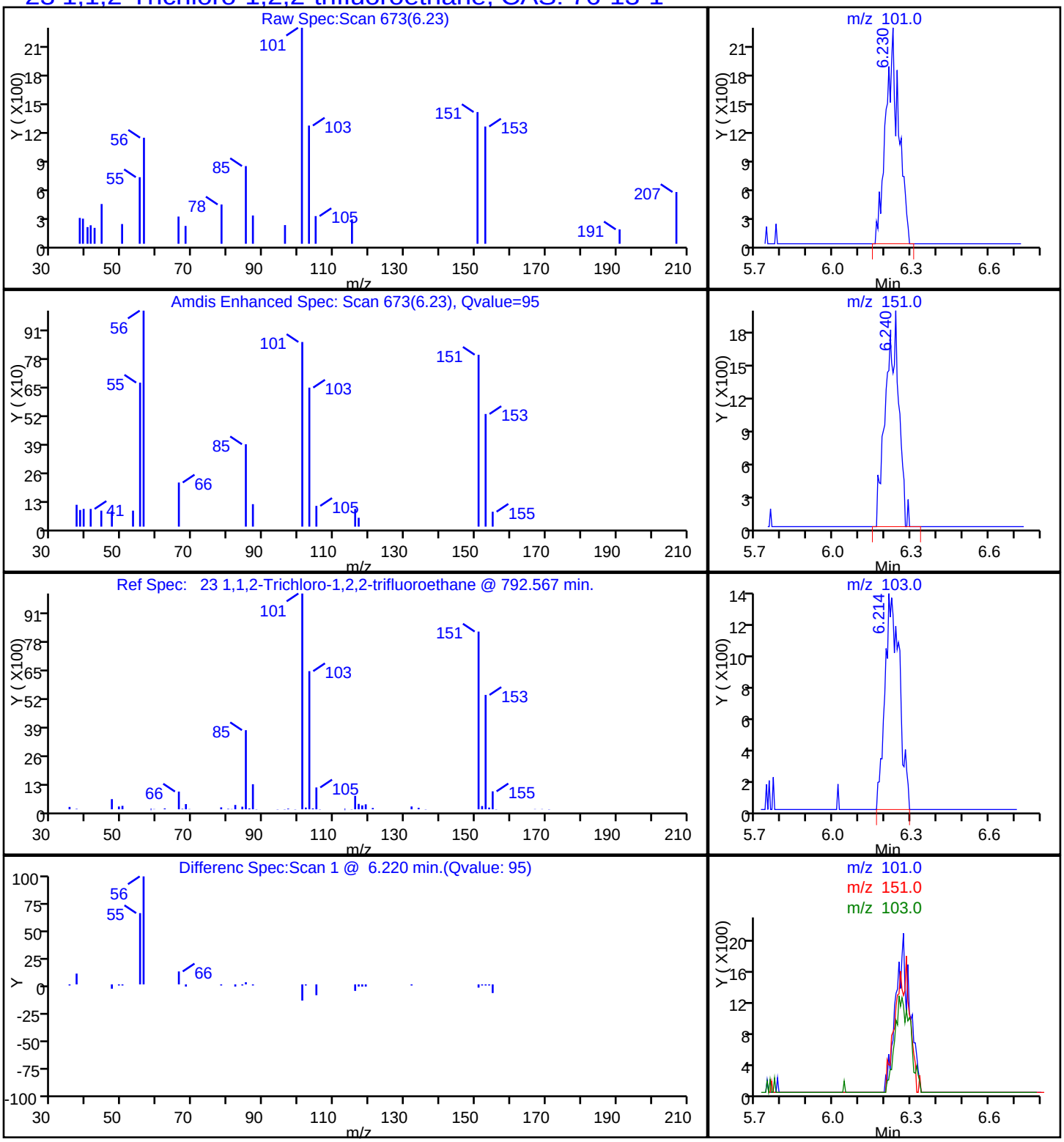
Injection Date:	23-Jul-2014 05:31:30	Instrument ID:	CHG.i		
Lims ID:	280-58004-A-4	Lab Sample ID:	200-58004-4		
Client ID:	785IA13				
Operator ID:	pad	ALS Bottle#:	23	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

23 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1



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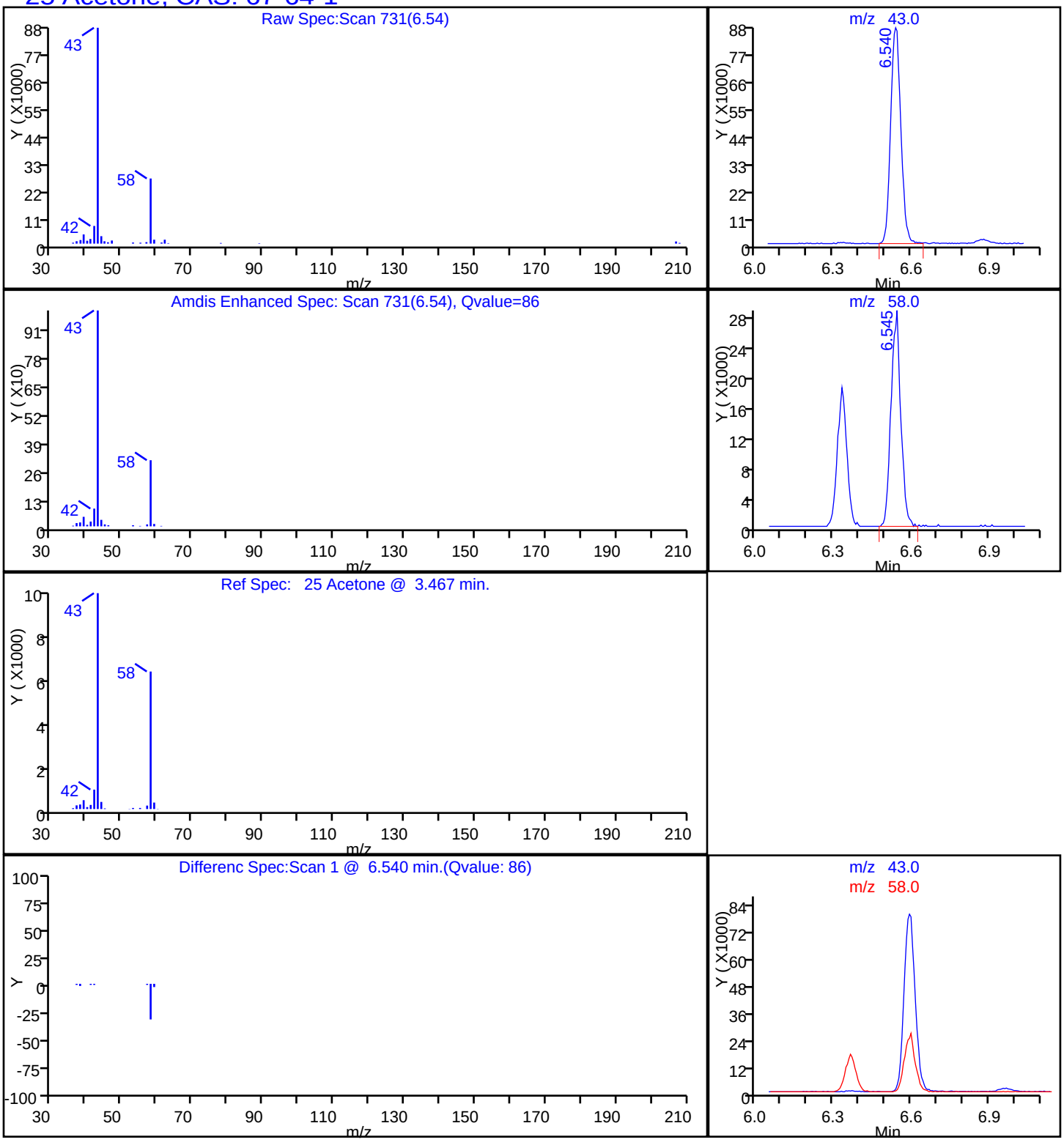
Injection Date: 23-Jul-2014 05:31:30 Instrument ID: CHG.i
Lims ID: 280-58004-A-4 Lab Sample ID: 200-58004-4
Client ID: 785IA13
Operator ID: pad ALS Bottle#: 23 Worklist Smp#: 24
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_G Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

25 Acetone, CAS: 67-64-1



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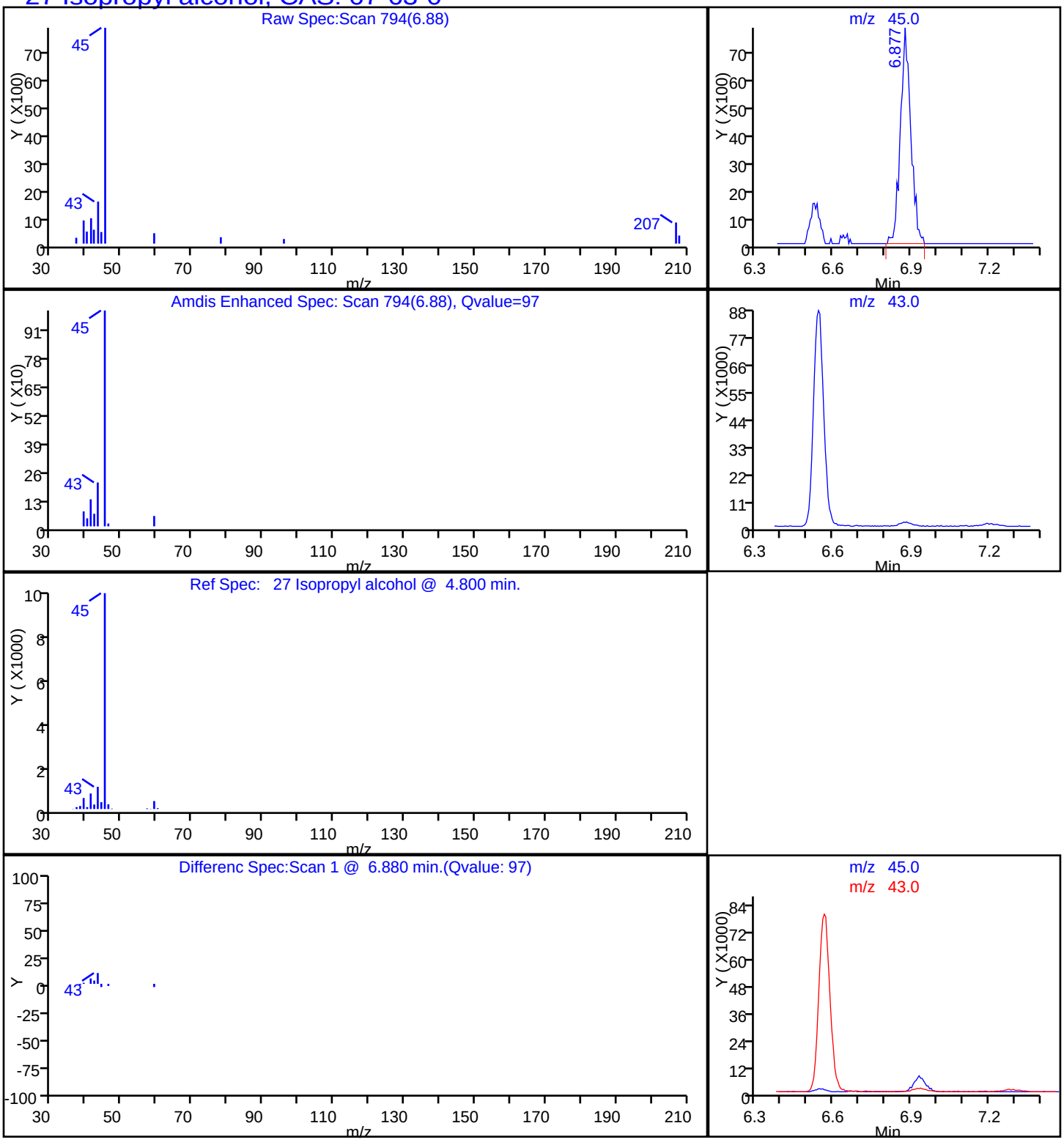
Injection Date:	23-Jul-2014 05:31:30	Instrument ID:	CHG.i		
Lims ID:	280-58004-A-4	Lab Sample ID:	200-58004-4		
Client ID:	785IA13				
Operator ID:	pad	ALS Bottle#:	23	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

27 Isopropyl alcohol, CAS: 67-63-0



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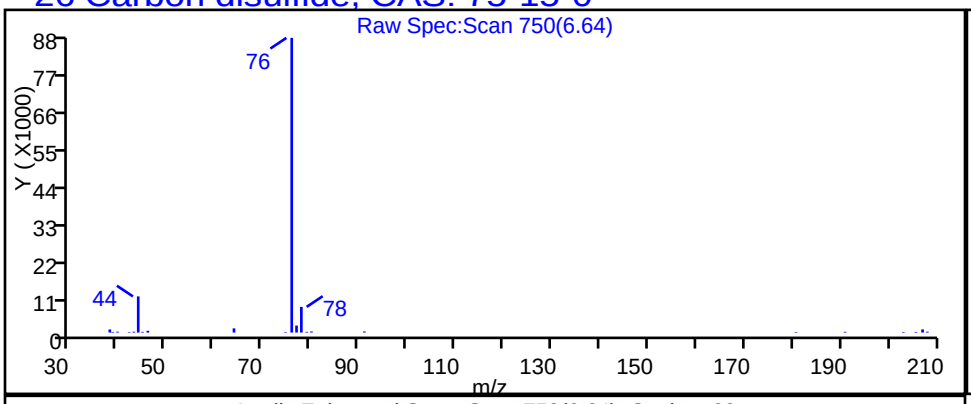
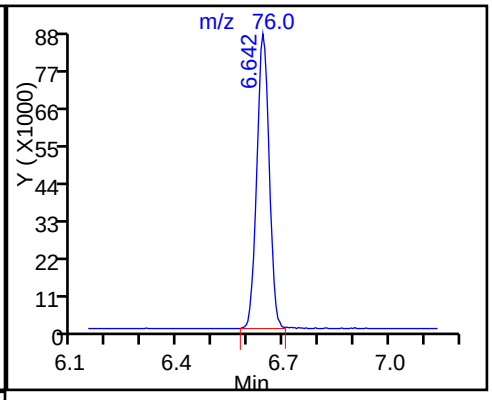
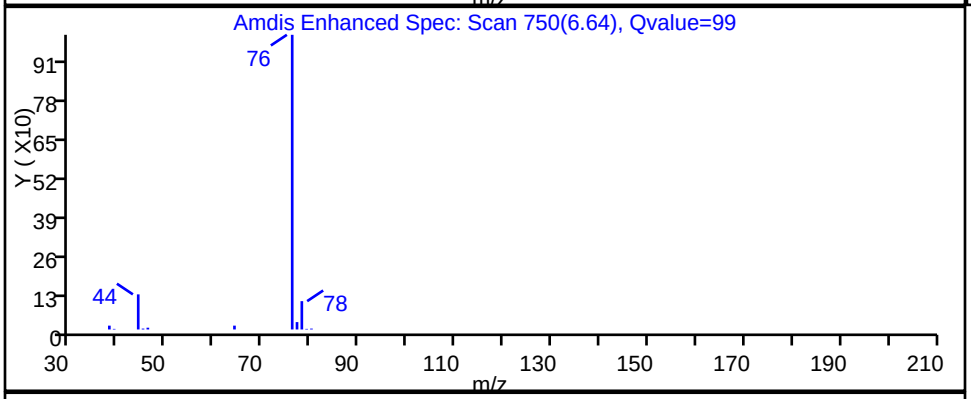
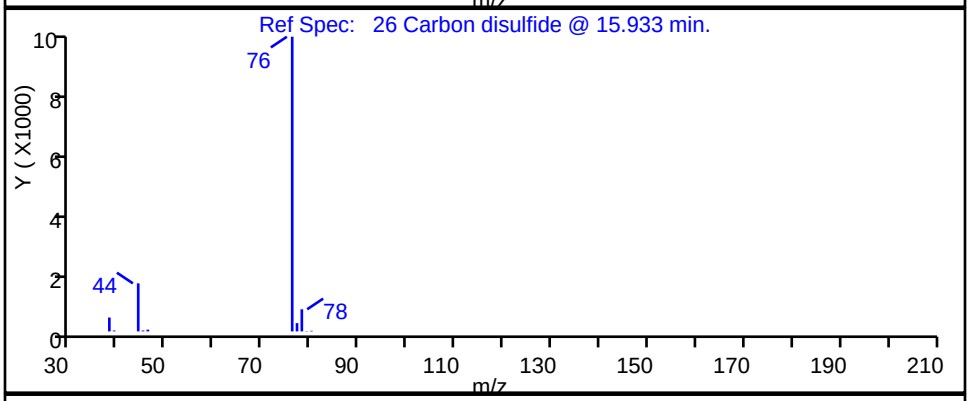
Lims ID:	280-58004-A-4	Lab Sample ID:	200-58004-4		
Client ID:	785IA13				
Operator ID:	pad	ALS Bottle#:	23	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

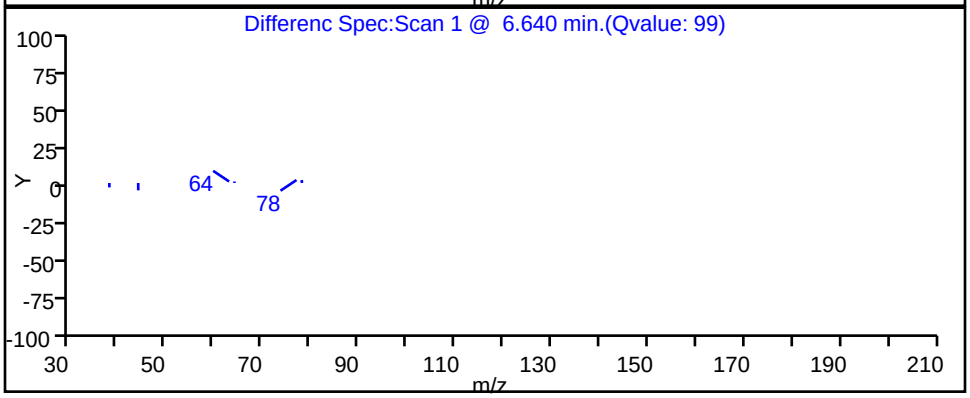
26 Carbon disulfide, CAS: 75-15-0











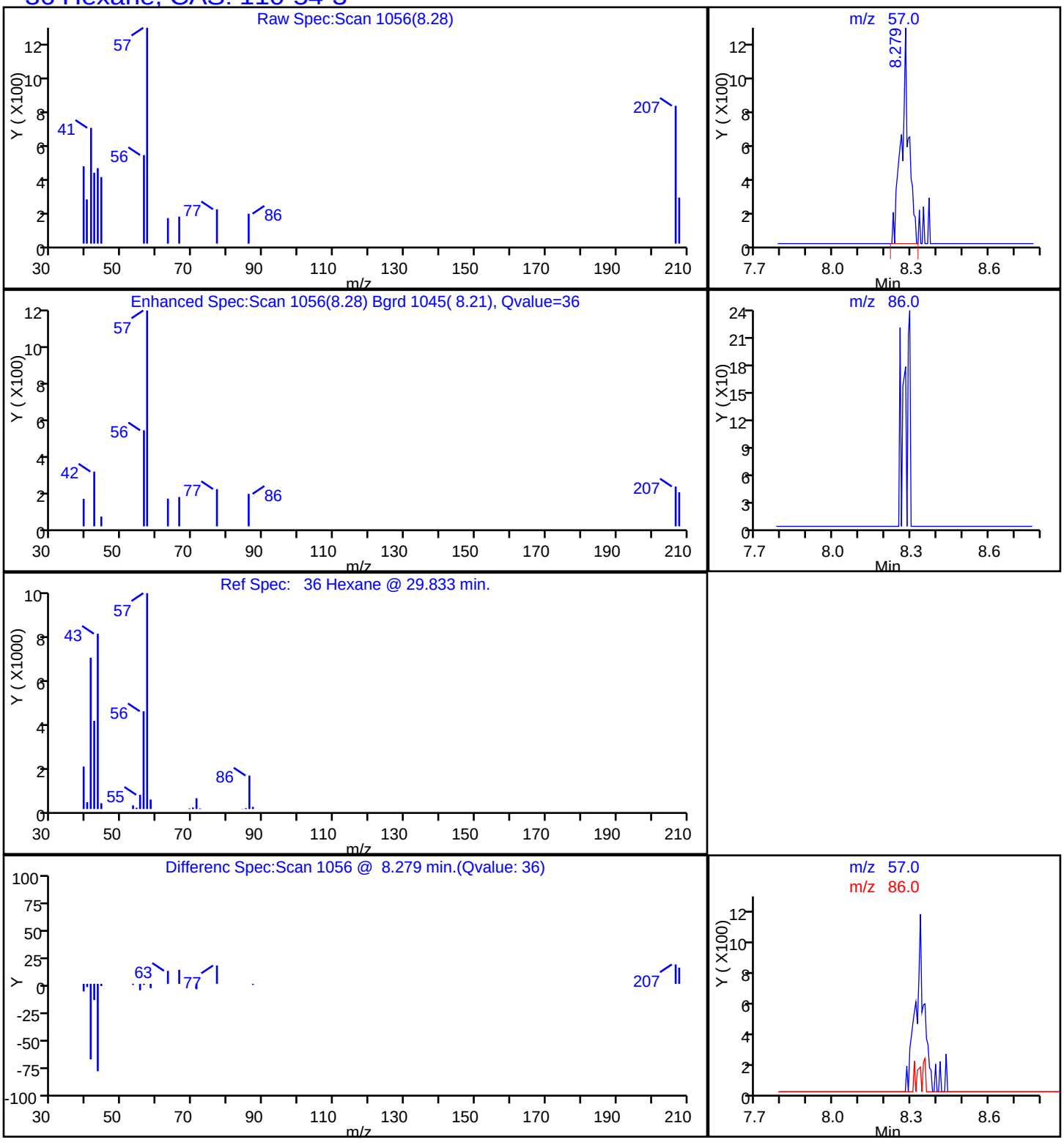
Report Date: 23-Jul-2014 12:24:19 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140722-8660.b\8660_024.D

Injection Date:	23-Jul-2014 05:31:30	Instrument ID:	CHG.i		
Lims ID:	280-58004-A-4	Lab Sample ID:	200-58004-4		
Client ID:	785IA13				
Operator ID:	pad	ALS Bottle#:	23	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

36 Hexane, CAS: 110-54-3



Report Date: 23-Jul-2014 12:24:19 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140722-8660.b\8660_024.D

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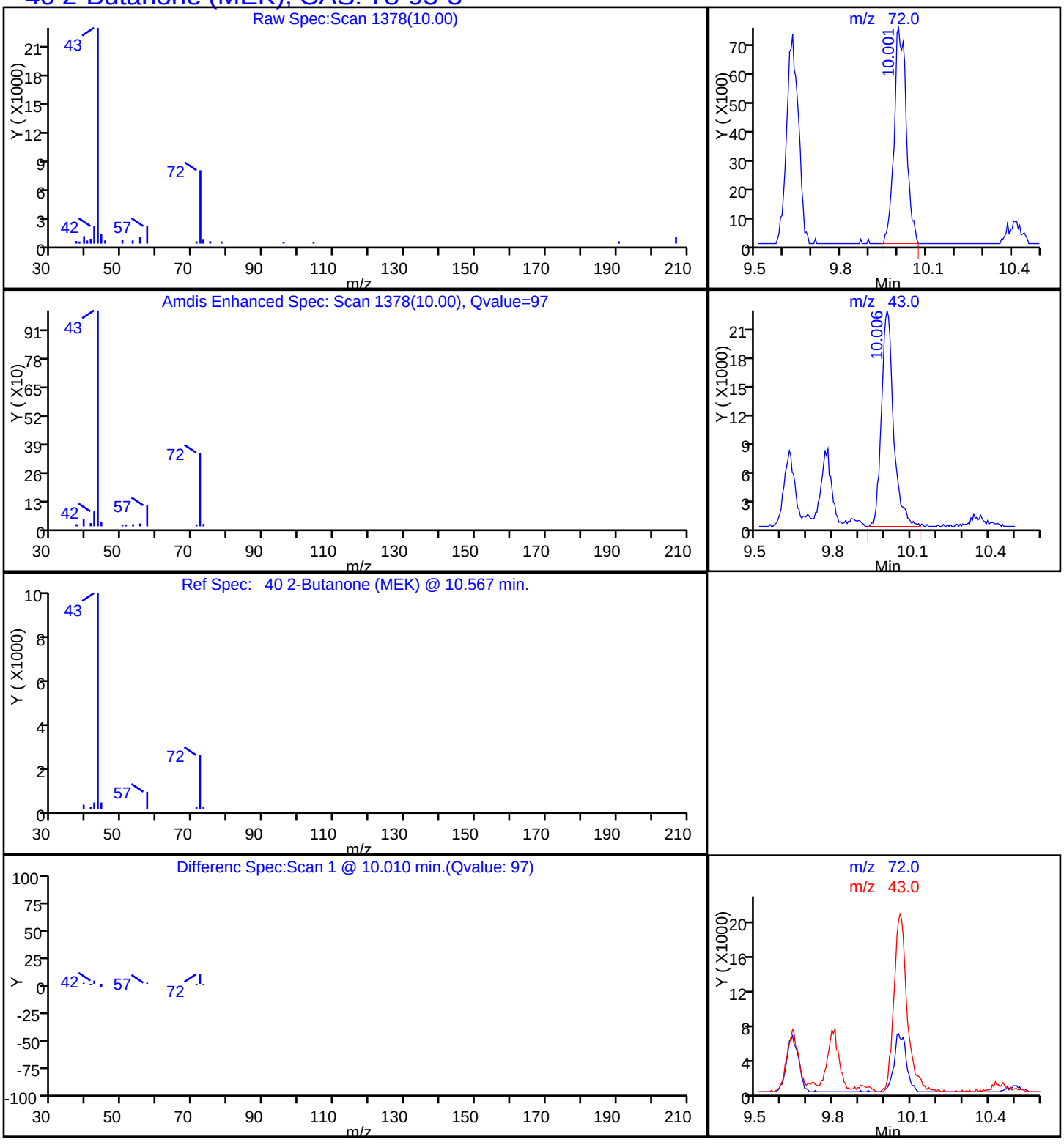
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

40 2-Butanone (MEK), CAS: 78-93-3



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Operator ID:	pad	ALS Bottle#:	23	Worklist Smp#:	24
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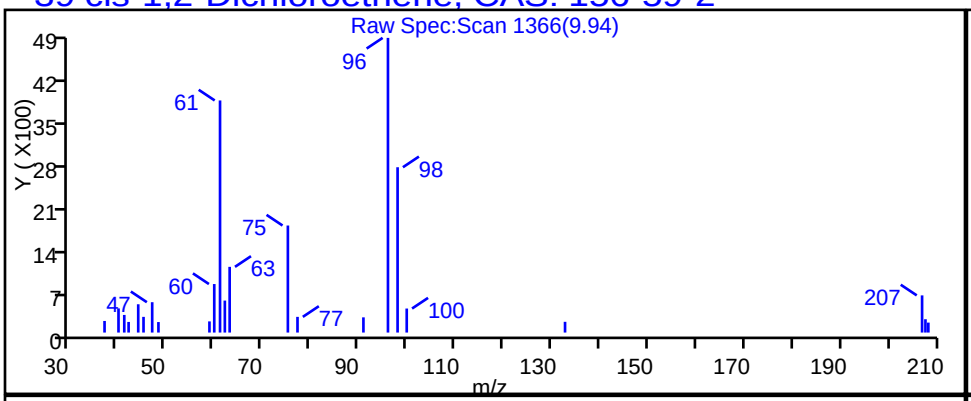
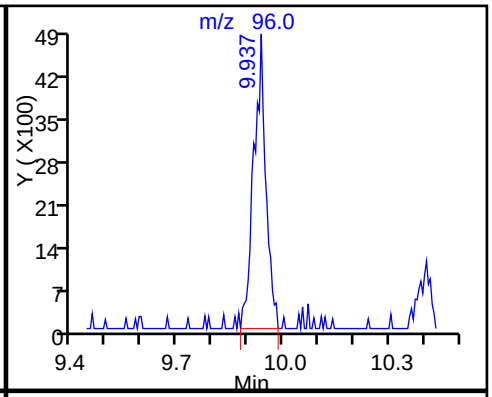
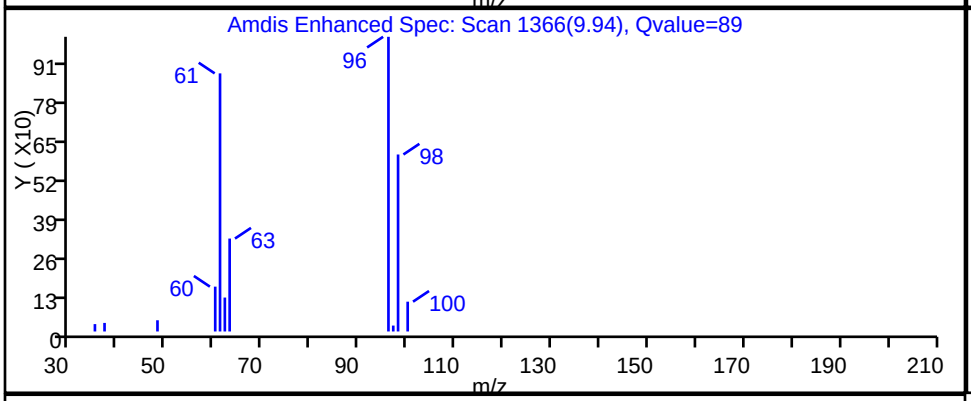
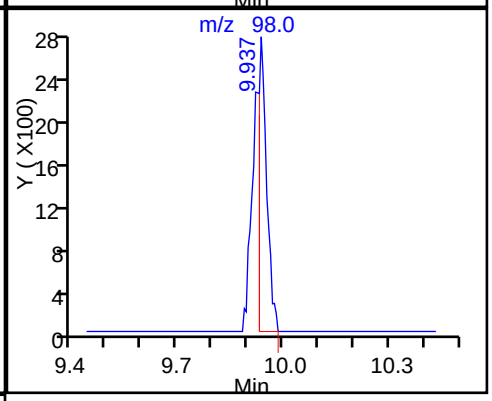
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

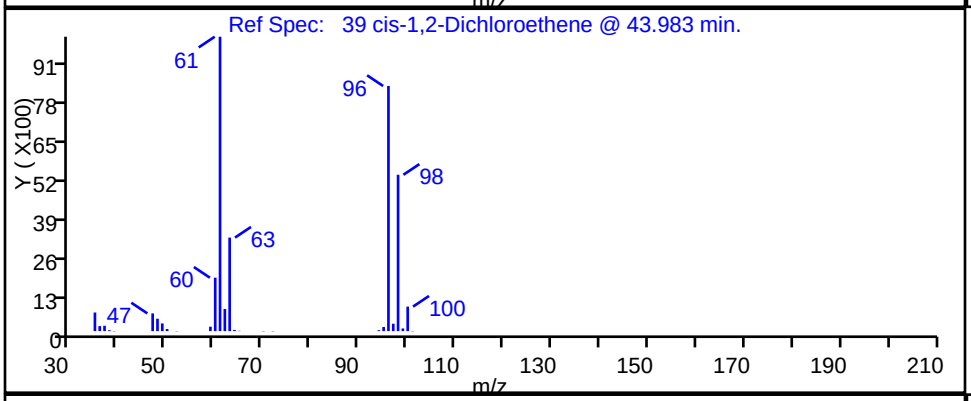
39 cis-1,2-Dichloroethene, CAS: 156-59-2

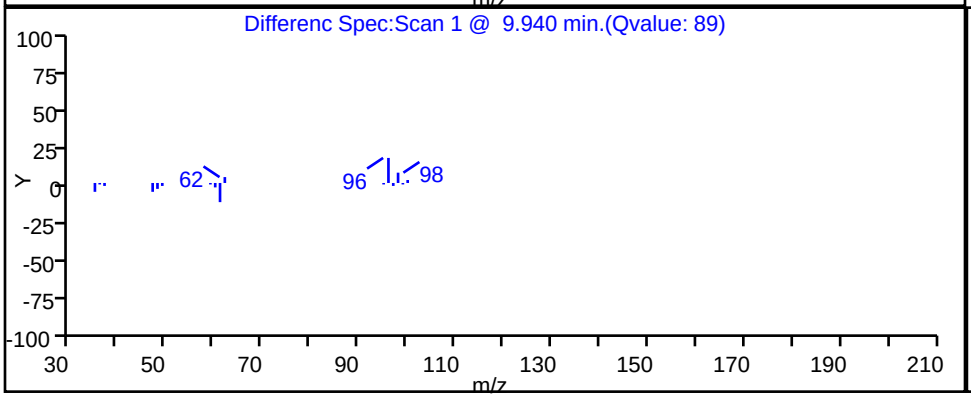


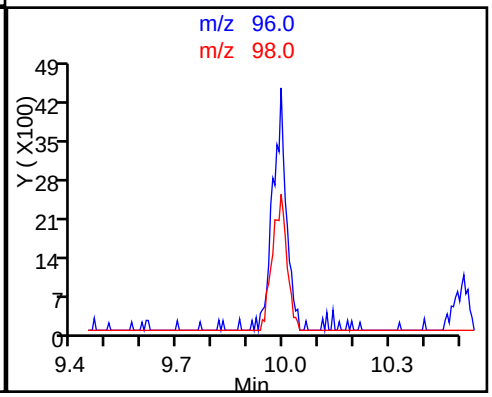












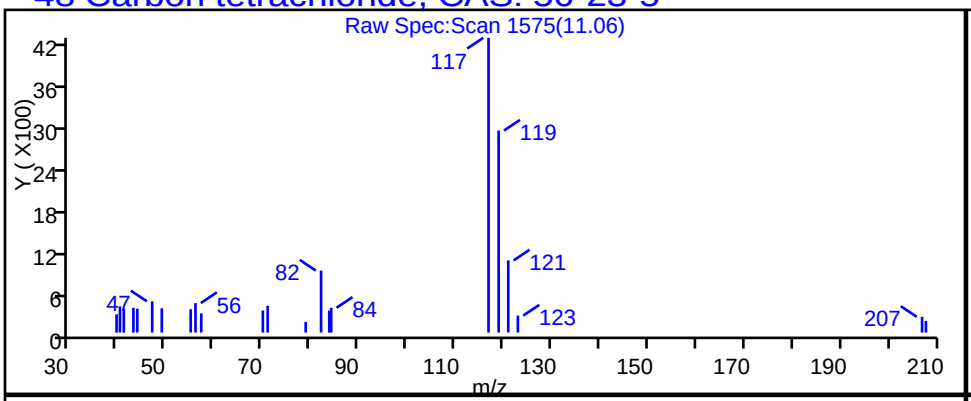
Report Date: 23-Jul-2014 12:24:19 Chrom Revision: 2.2 24-Jun-2014 07:21:42

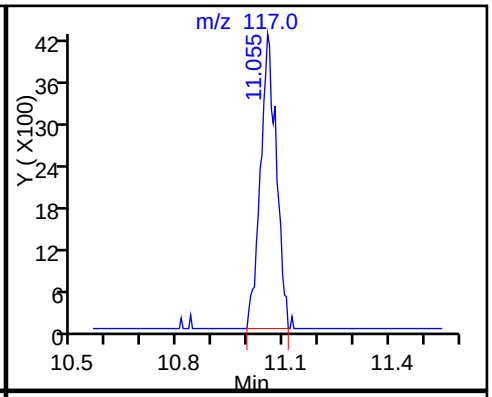
TestAmerica Burlington

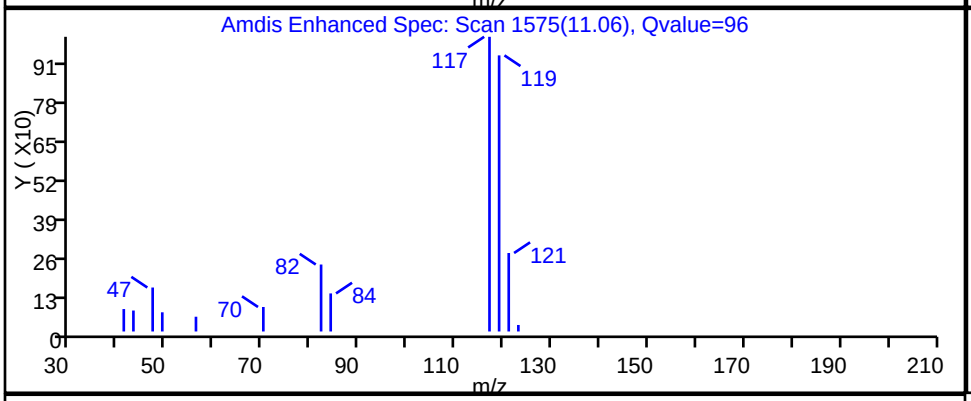
Data File: \\BTV-LIMS1\ChromData\CHG.i\20140722-8660.b\8660_024.D

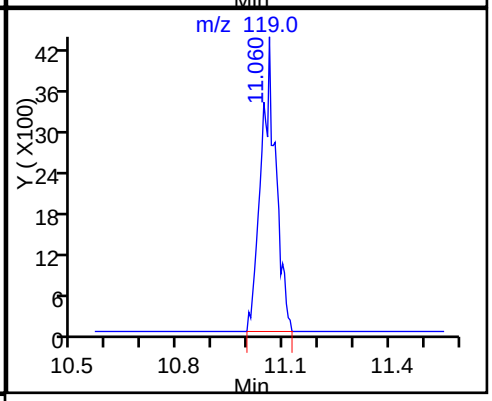
Injection Date:	23-Jul-2014 05:31:30	Instrument ID:	CHG.i		
Lims ID:	280-58004-A-4	Lab Sample ID:	200-58004-4		
Client ID:	785IA13				
Operator ID:	pad	ALS Bottle#:	23	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

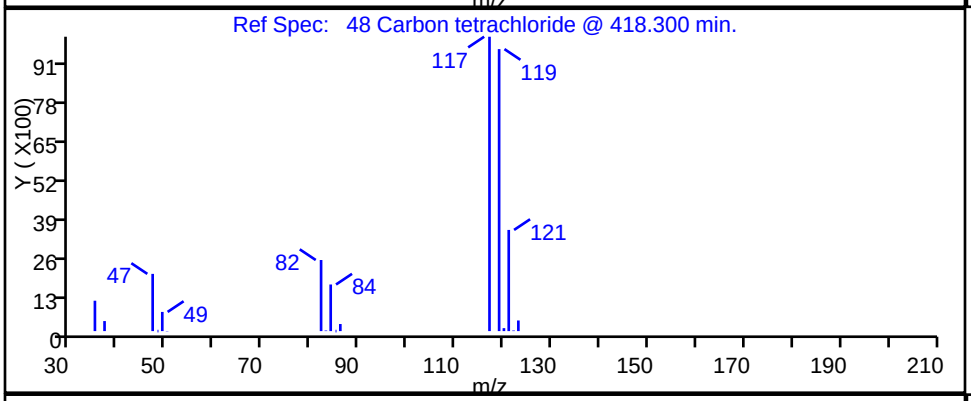
48 Carbon tetrachloride, CAS: 56-23-5

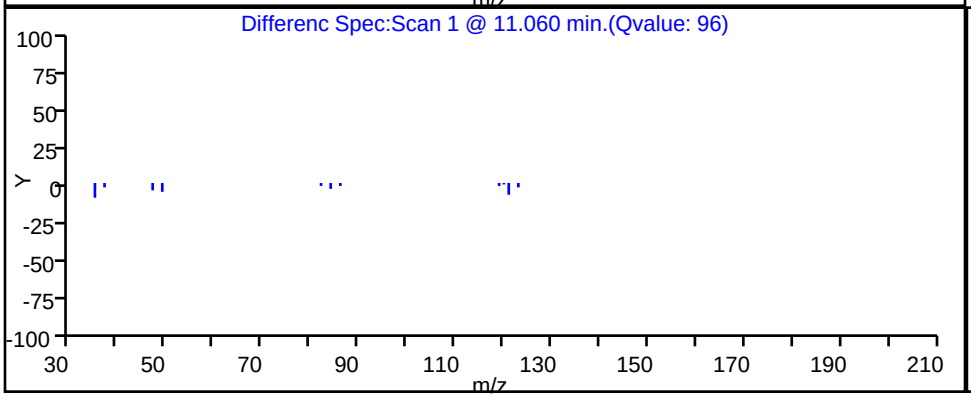


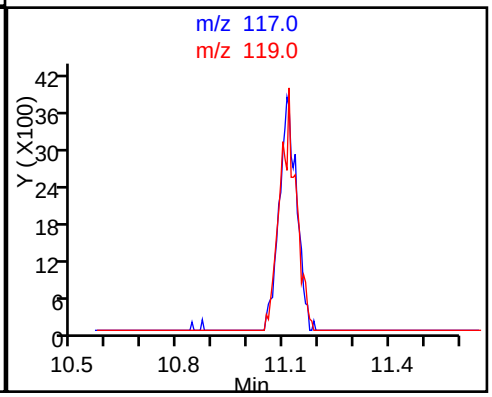












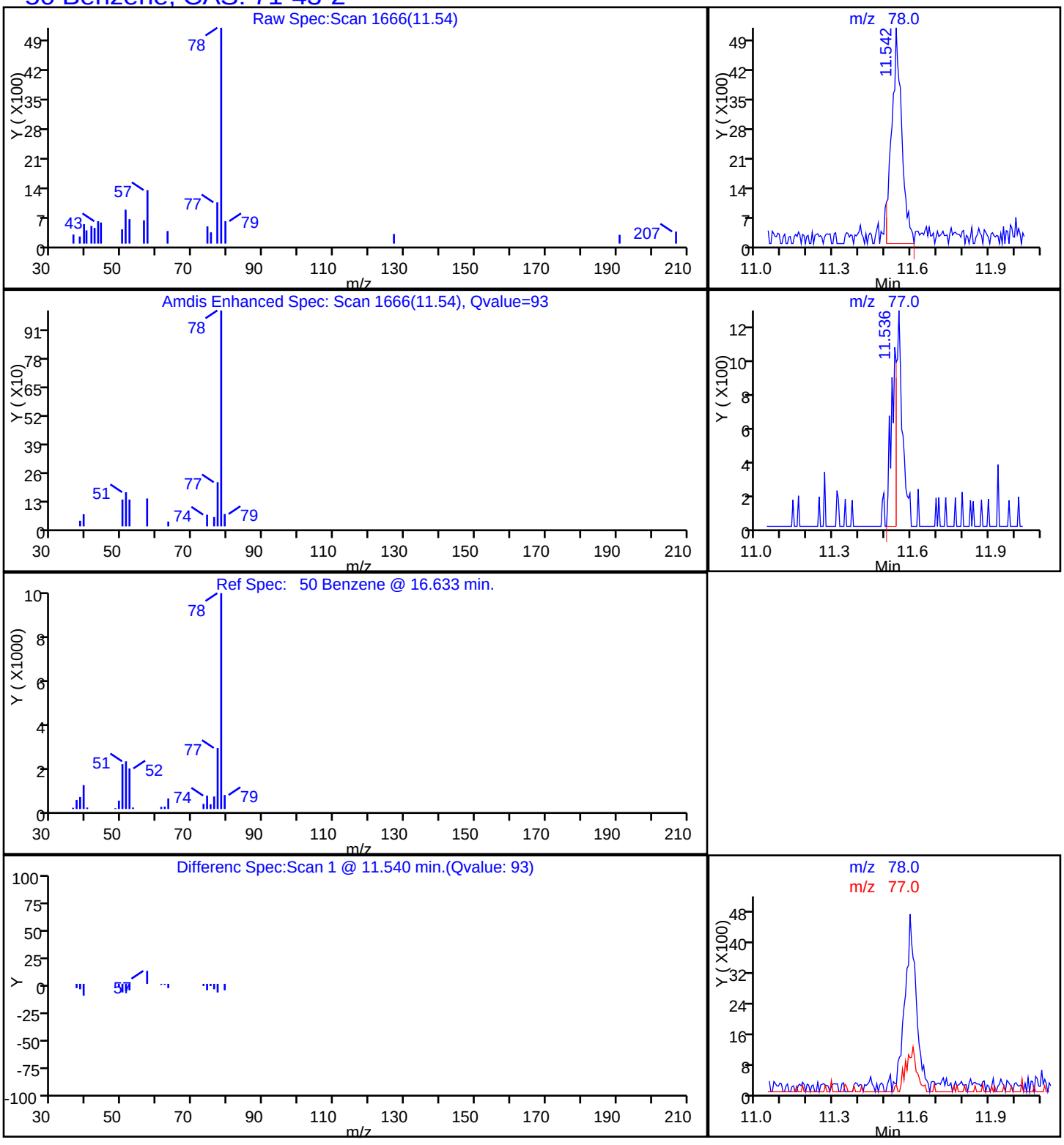
Report Date: 23-Jul-2014 12:24:19 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140722-8660.b\8660_024.D

Injection Date:	23-Jul-2014 05:31:30	Instrument ID:	CHG.i		
Lims ID:	280-58004-A-4	Lab Sample ID:	200-58004-4		
Client ID:	785IA13				
Operator ID:	pad	ALS Bottle#:	23	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

50 Benzene, CAS: 71-43-2



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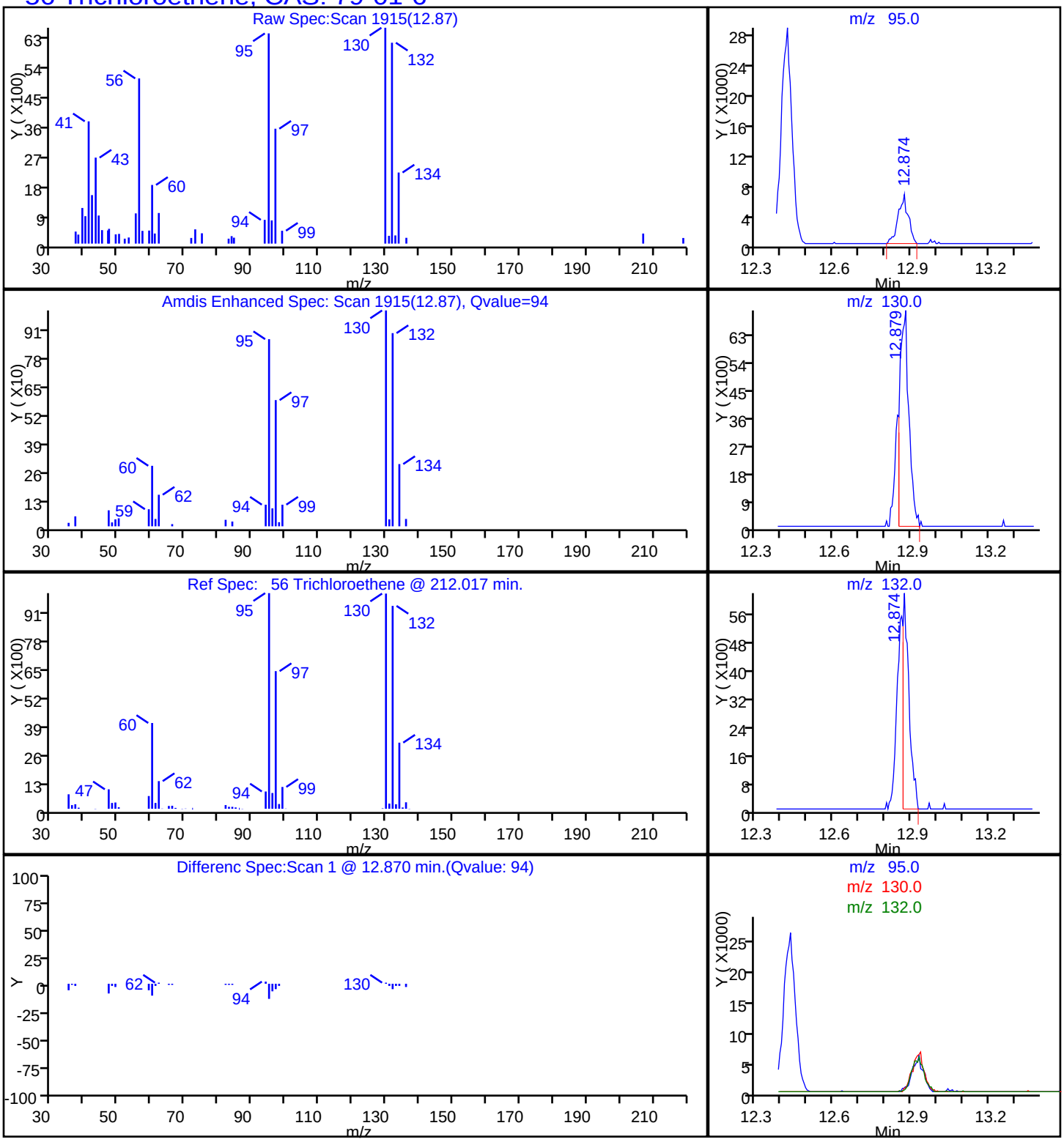
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140722-8660.b\8660_024.D

Injection Date:	23-Jul-2014 05:31:30	Instrument ID:	CHG.i		
Lims ID:	280-58004-A-4	Lab Sample ID:	200-58004-4		
Client ID:	785IA13				
Operator ID:	pad	ALS Bottle#:	23	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

56 Trichloroethene, CAS: 79-01-6



TestAmerica Burlington

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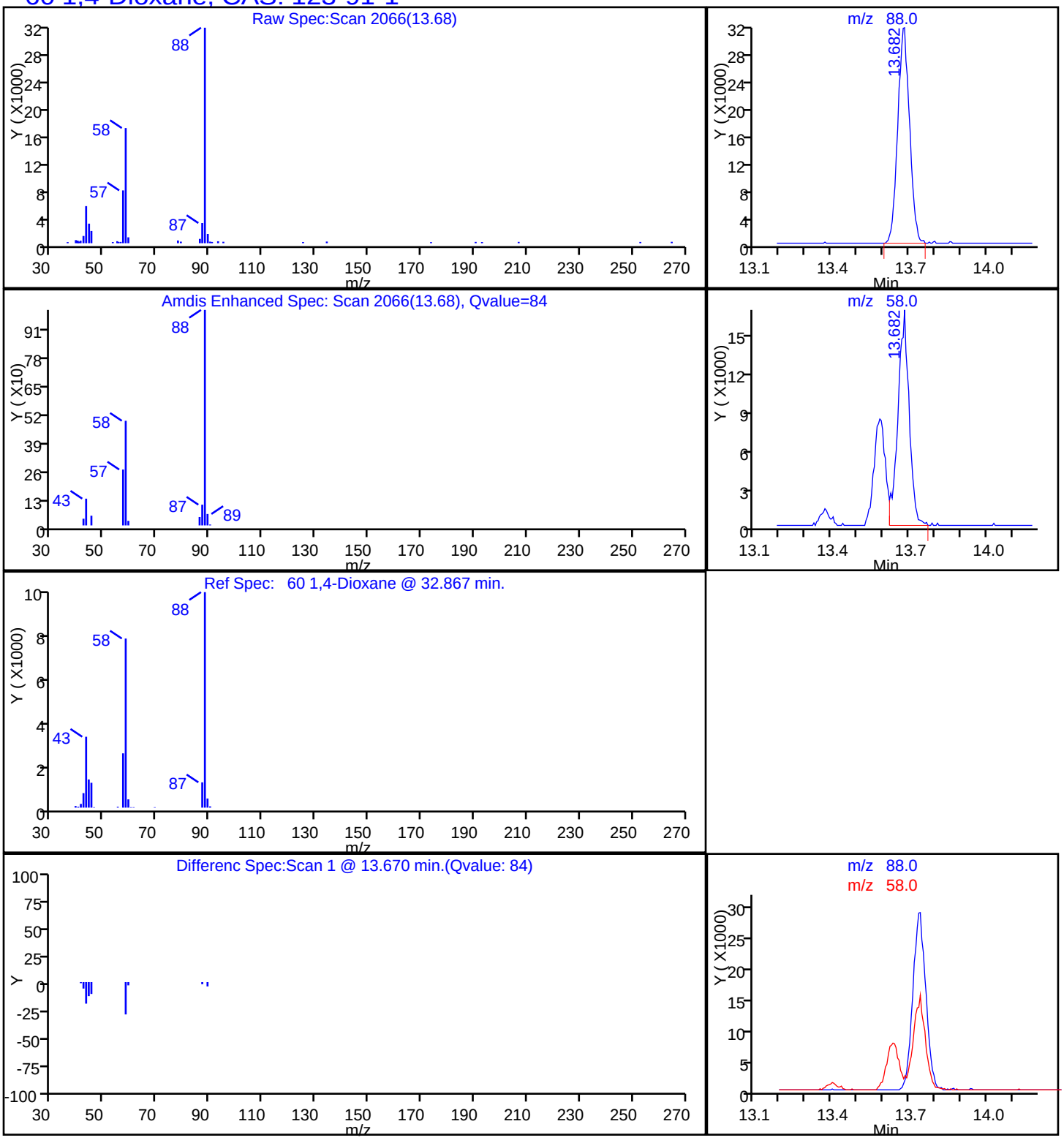
Lims ID:	280-58004-A-4	Lab Sample ID:	200-58004-4		
Client ID:	785IA13				
Operator ID:	pad	ALS Bottle#:	23	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

60 1,4-Dioxane, CAS: 123-91-1



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TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140722-8660.b\8660_024.D

Injection Date:	23-Jul-2014 05:31:30	Instrument ID:	CHG.i		
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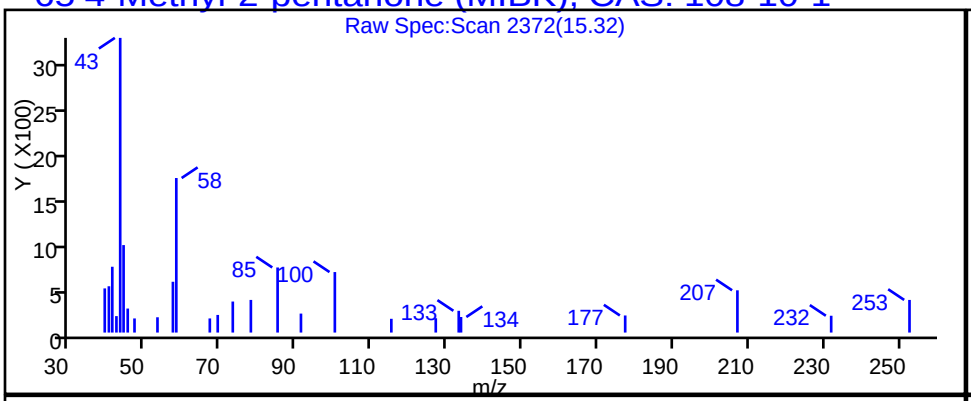
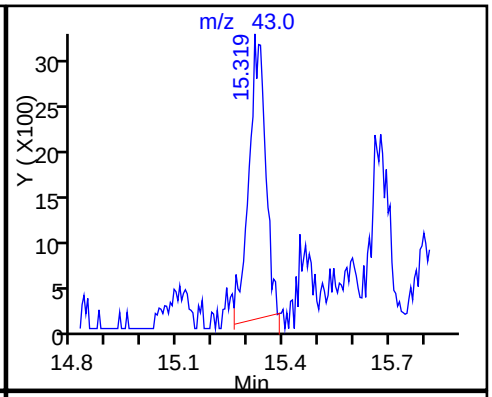
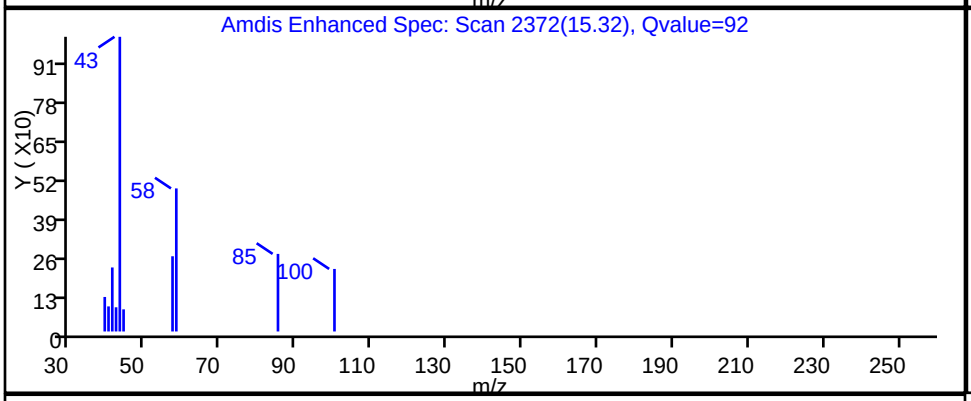
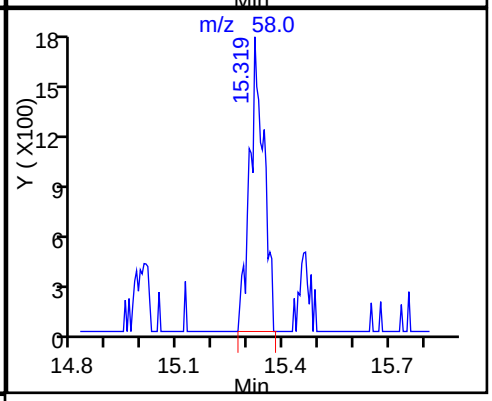
Client ID:	785IA13				
Operator ID:	pad	ALS Bottle#:	23	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

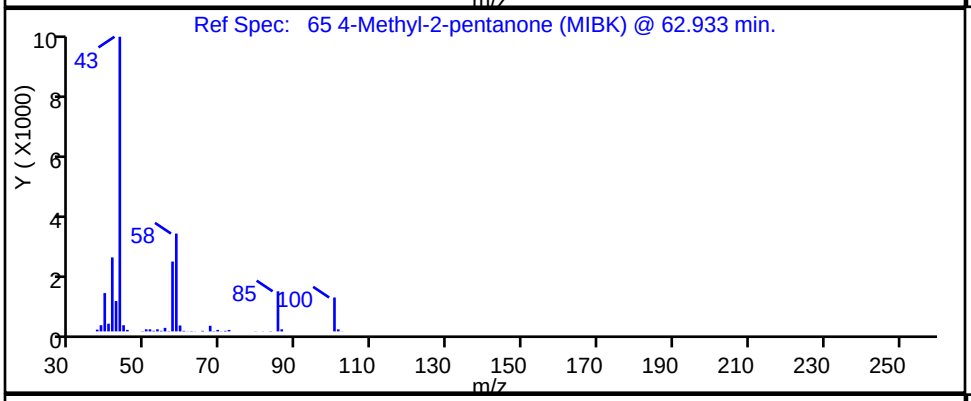
65 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

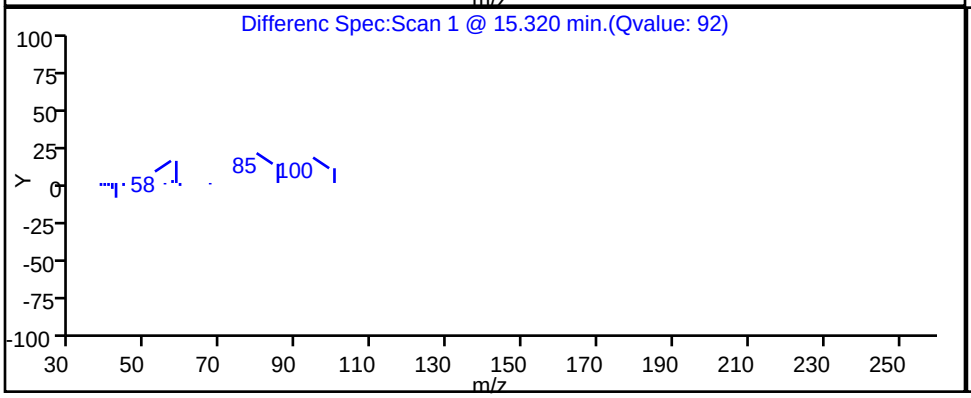


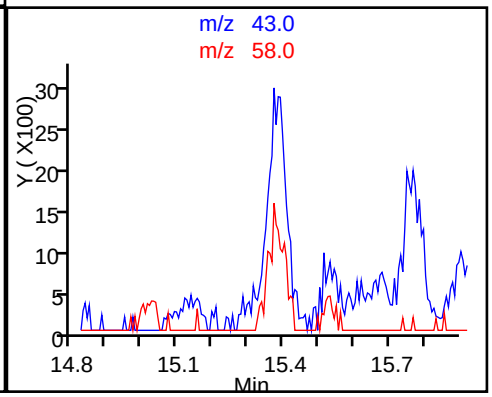












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TestAmerica Burlington

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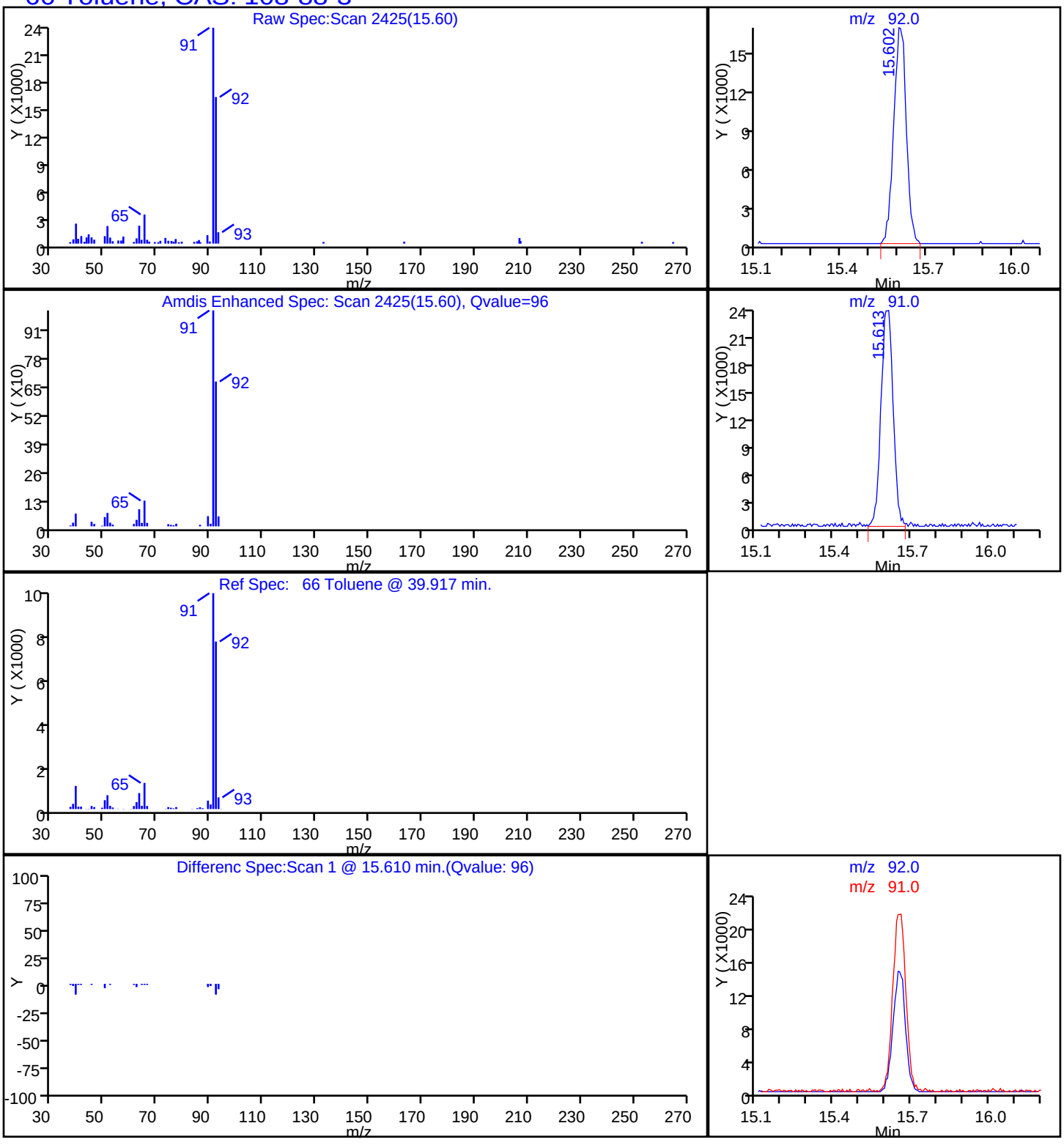
Injection Date:	23-Jul-2014 05:31:30	Instrument ID:	CHG.i		
Lims ID:	280-58004-A-4	Lab Sample ID:	200-58004-4		
Client ID:	785IA13				
Operator ID:	pad	ALS Bottle#:	23	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

66 Toluene, CAS: 108-88-3



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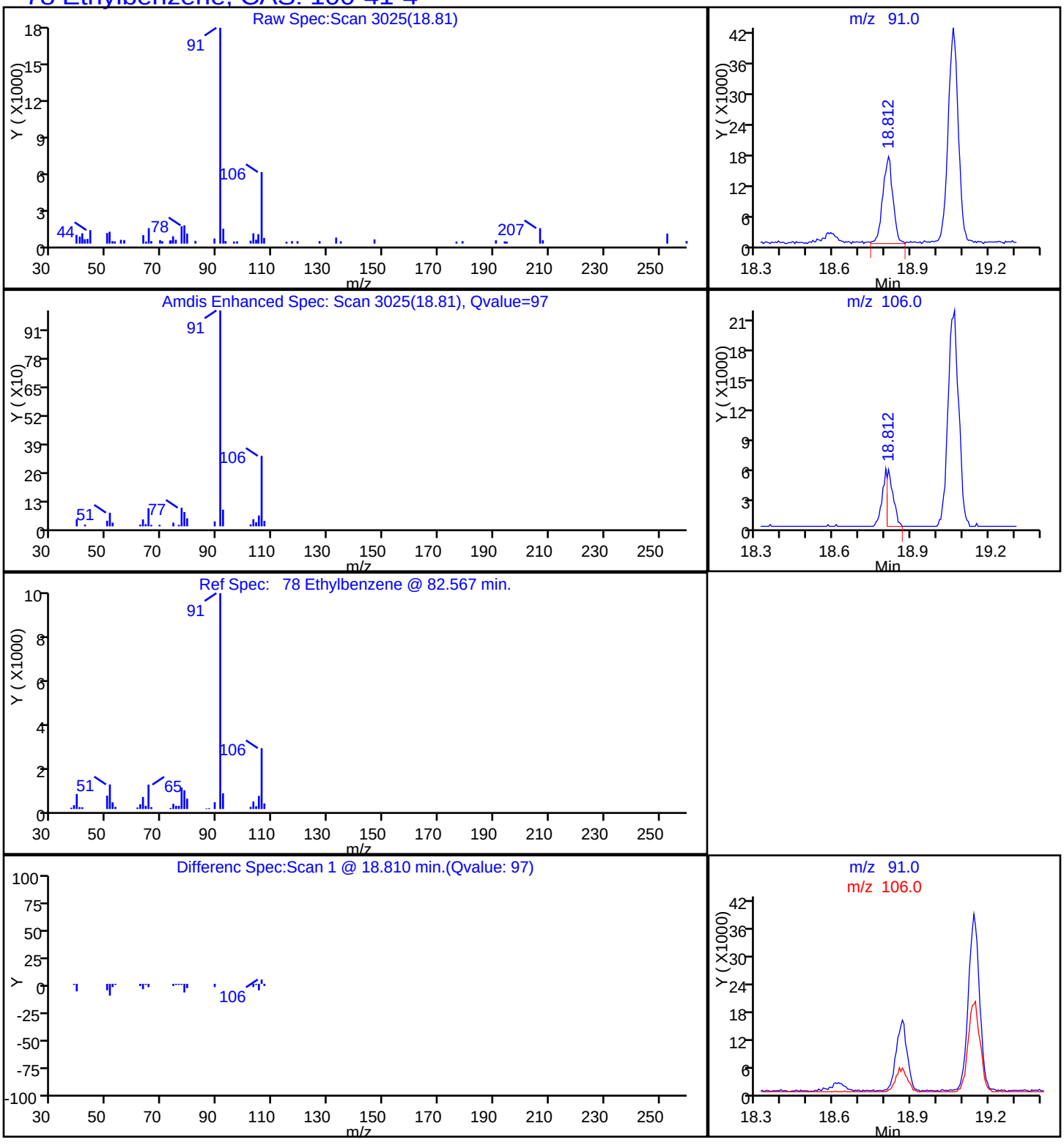
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140722-8660.b\8660_024.D

Injection Date:	23-Jul-2014 05:31:30	Instrument ID:	CHG.i		
Lims ID:	280-58004-A-4	Lab Sample ID:	200-58004-4		
Client ID:	785IA13				
Operator ID:	pad	ALS Bottle#:	23	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

78 Ethylbenzene, CAS: 100-41-4



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TestAmerica Burlington

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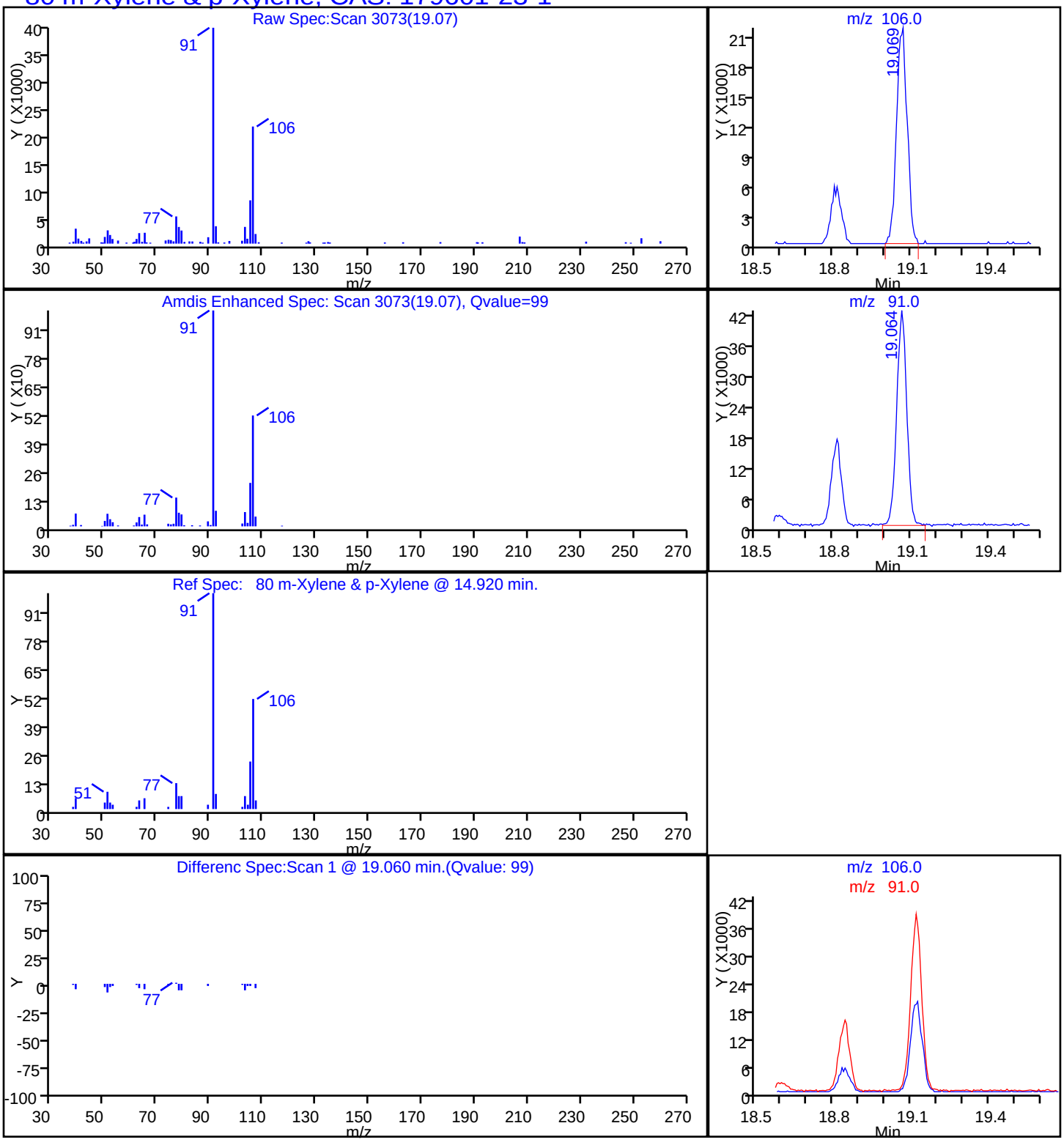
Injection Date:	23-Jul-2014 05:31:30	Instrument ID:	CHG.i		
Lims ID:	280-58004-A-4	Lab Sample ID:	200-58004-4		
Client ID:	785IA13				
Operator ID:	pad	ALS Bottle#:	23	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

80 m-Xylene & p-Xylene, CAS: 179601-23-1



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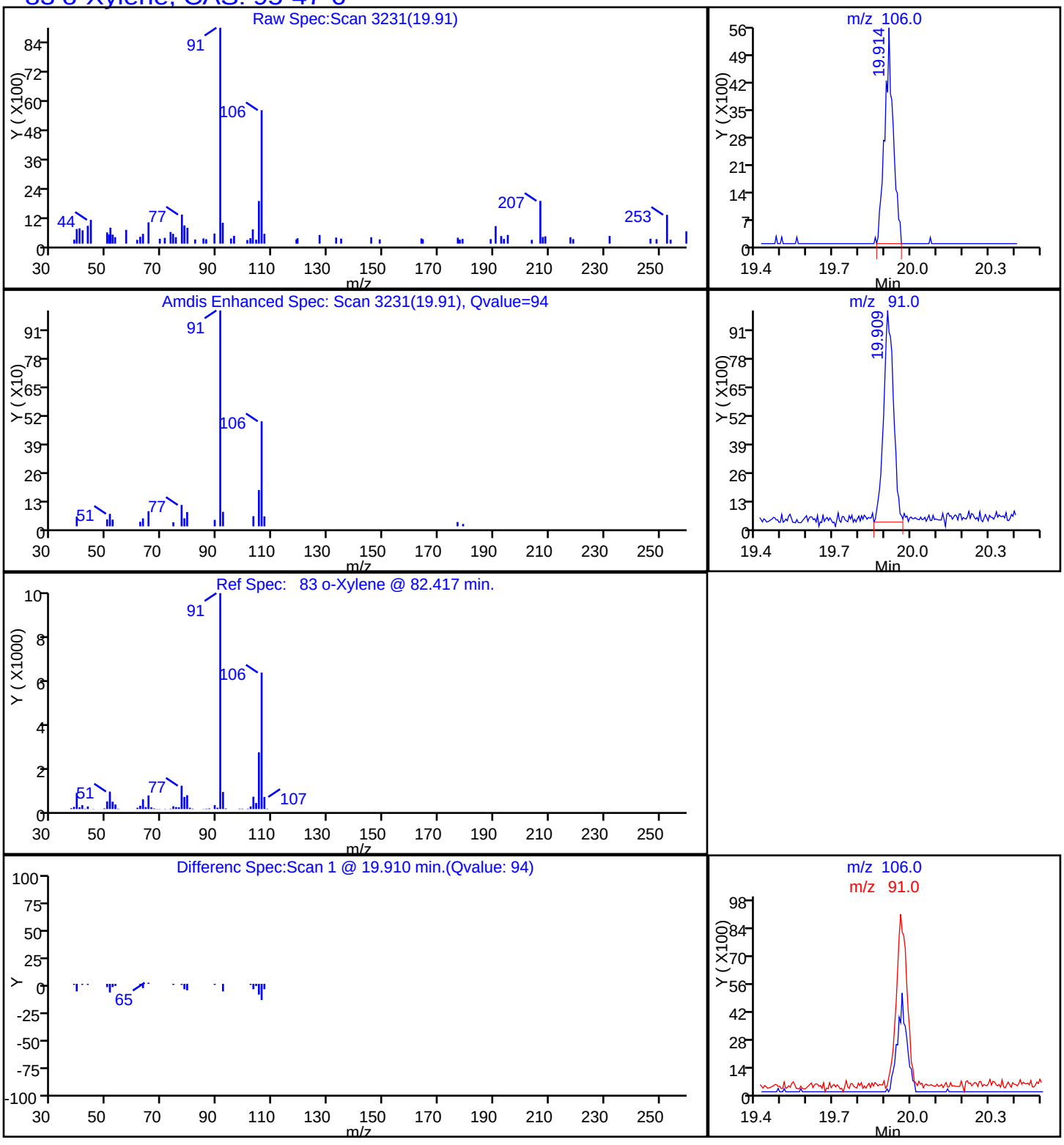
Data File: \\BTV-LIMS1\ChromData\CHG.i\20140722-8660.b\8660_024.D

Injection Date:	23-Jul-2014 05:31:30	Instrument ID:	CHG.i		
Lims ID:	280-58004-A-4	Lab Sample ID:	200-58004-4		
Client ID:	785IA13				
Operator ID:	pad	ALS Bottle#:	23	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

83 o-Xylene, CAS: 95-47-6



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Lims ID:	280-58004-A-4	Lab Sample ID:	200-58004-4		
Client ID:	785IA13				
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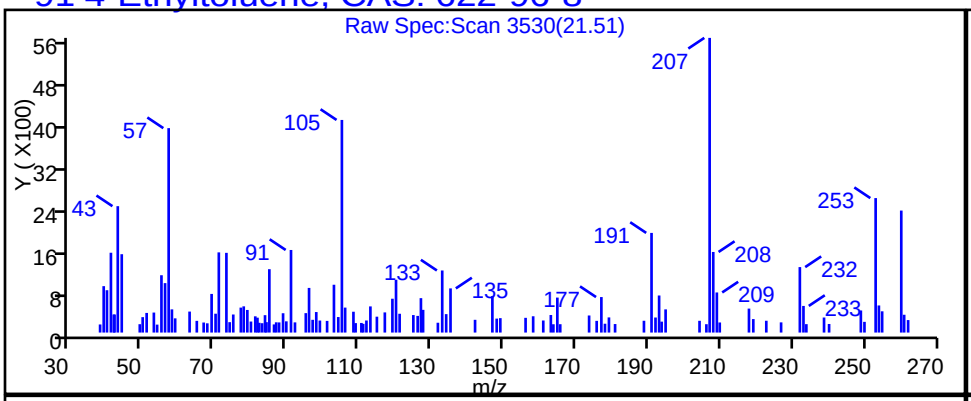
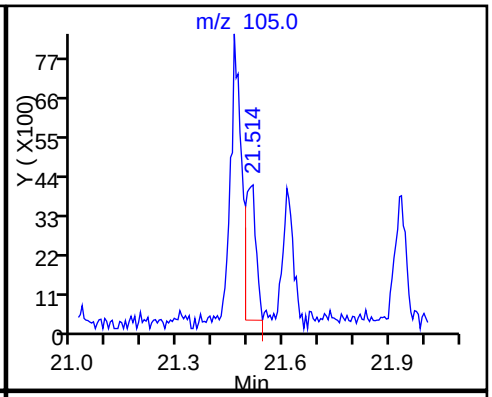
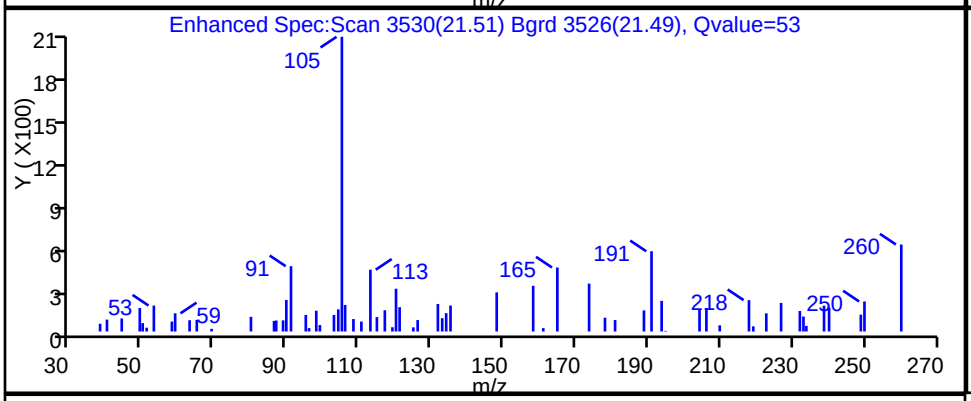
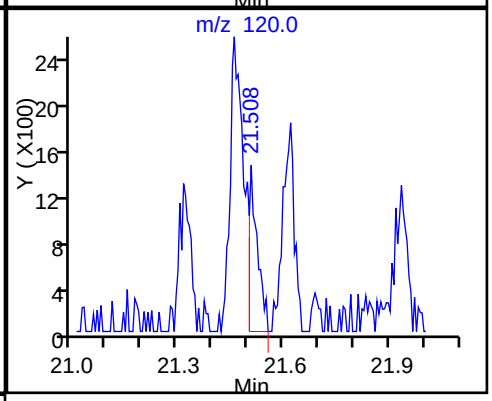
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

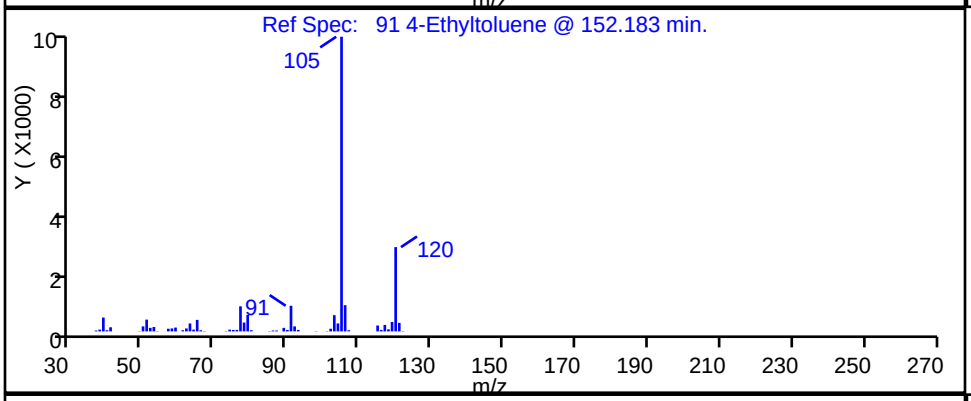
91 4-Ethyltoluene, CAS: 622-96-8

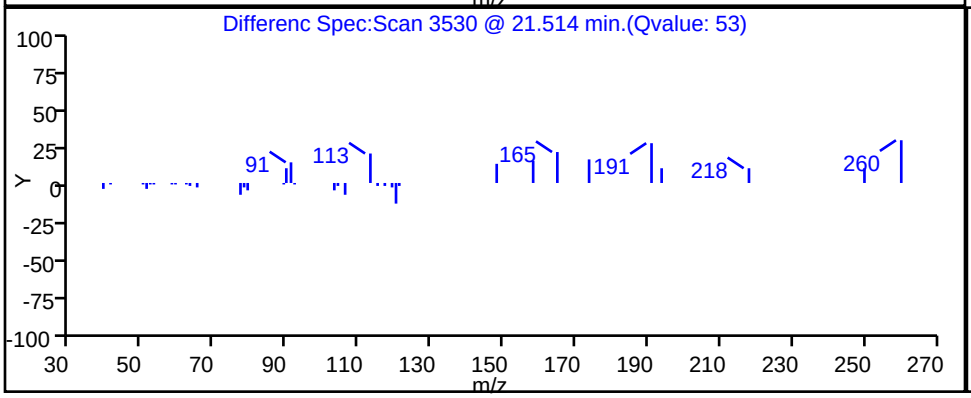


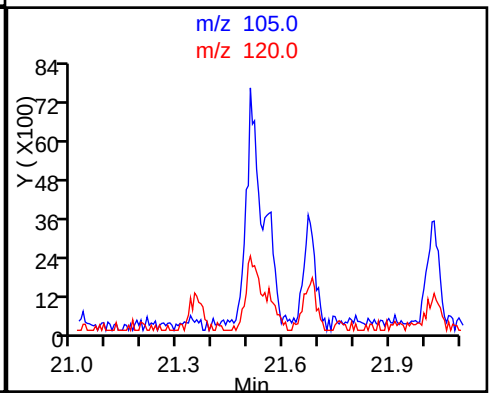












TestAmerica Burlington

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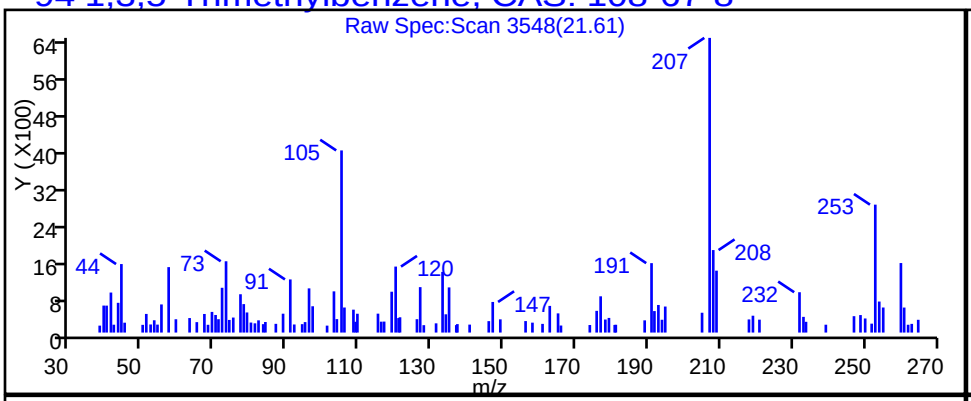
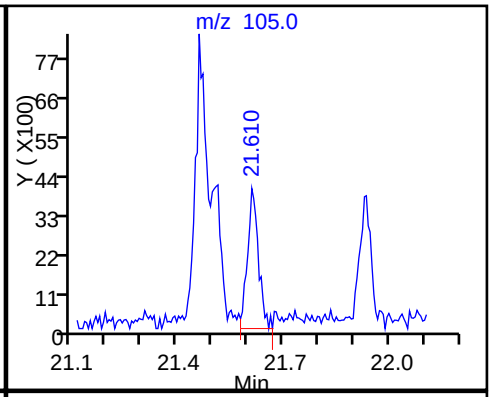
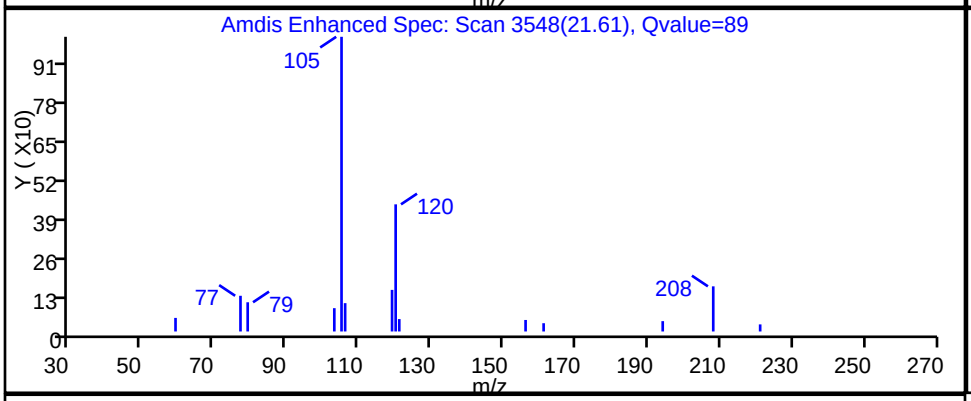
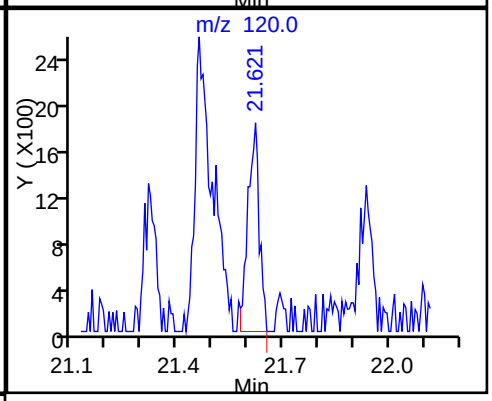
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

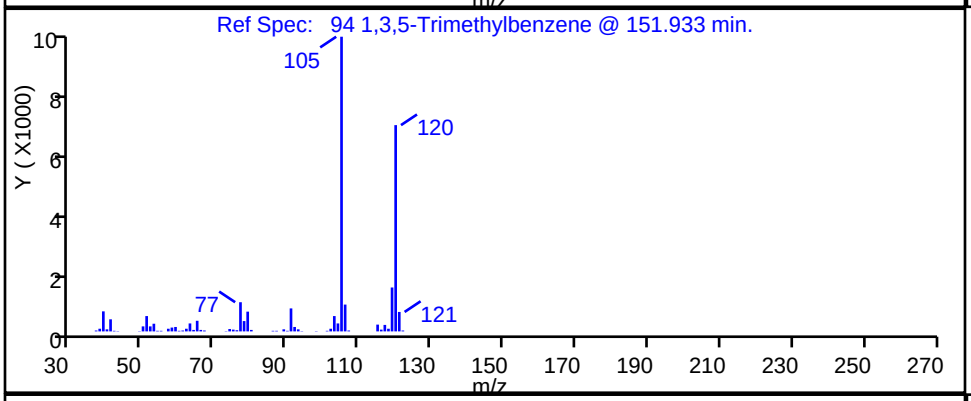
94 1,3,5-Trimethylbenzene, CAS: 108-67-8

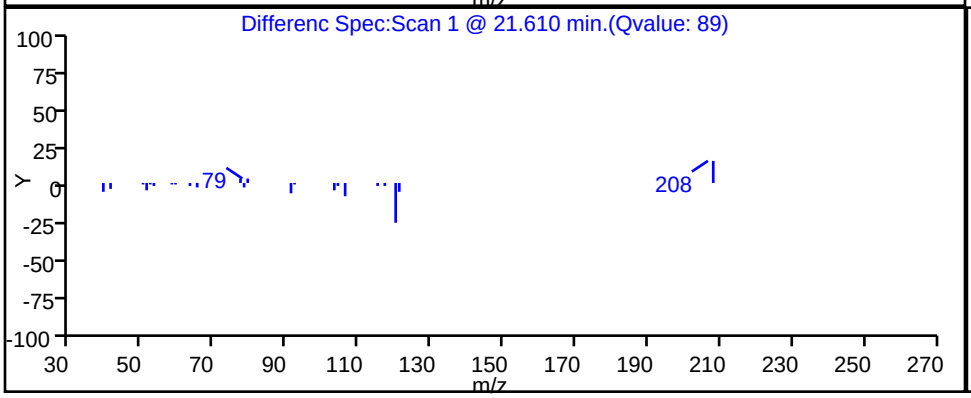


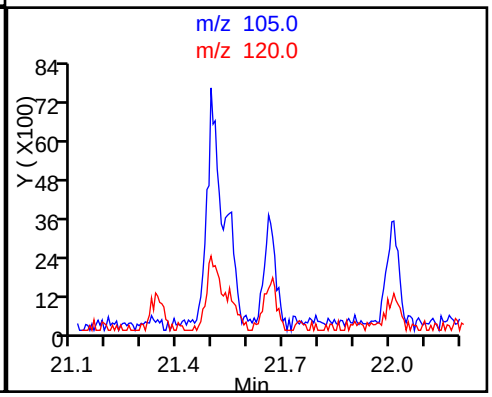








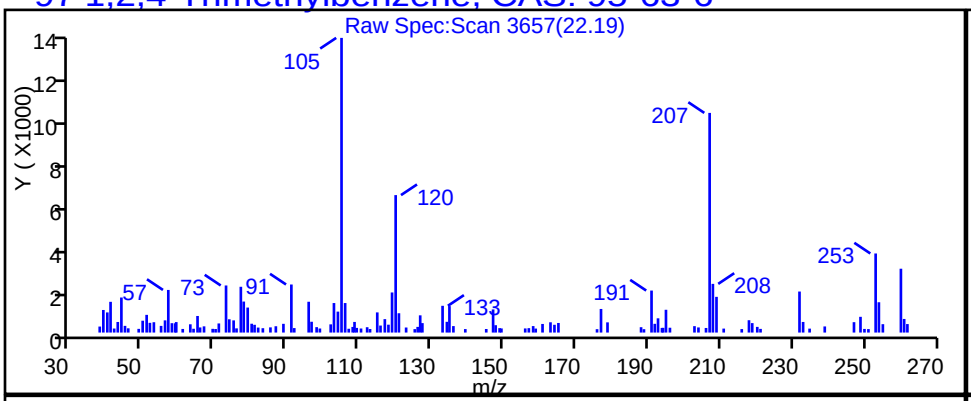


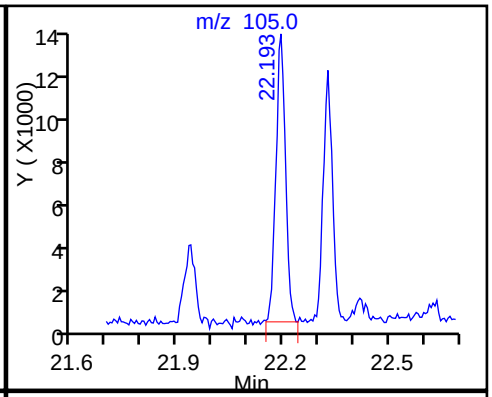


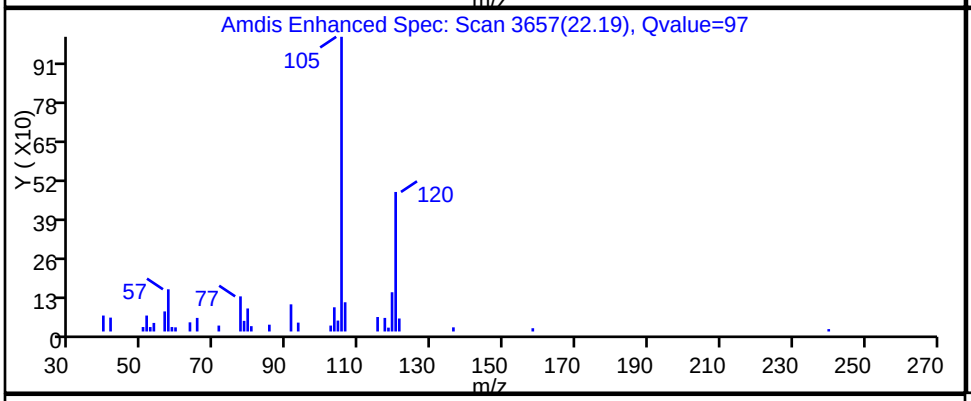
TestAmerica Burlington

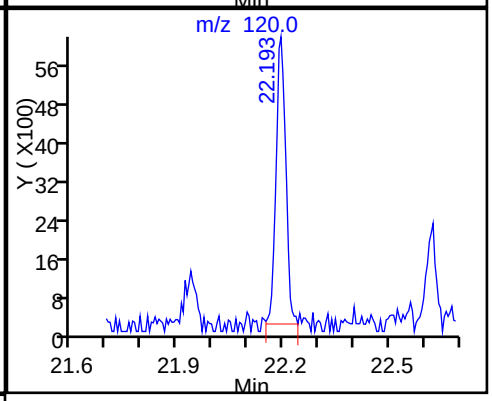
Data File:	\\BTV-LIMS1\ChromData\CHG.i\20140722-8660.b\8660_024.D				
Injection Date:	23-Jul-2014 05:31:30	Instrument ID:	CHG.i		
Lims ID:	280-58004-A-4	Lab Sample ID:	200-58004-4		
Client ID:	785IA13				
Operator ID:	pad	ALS Bottle#:	23	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

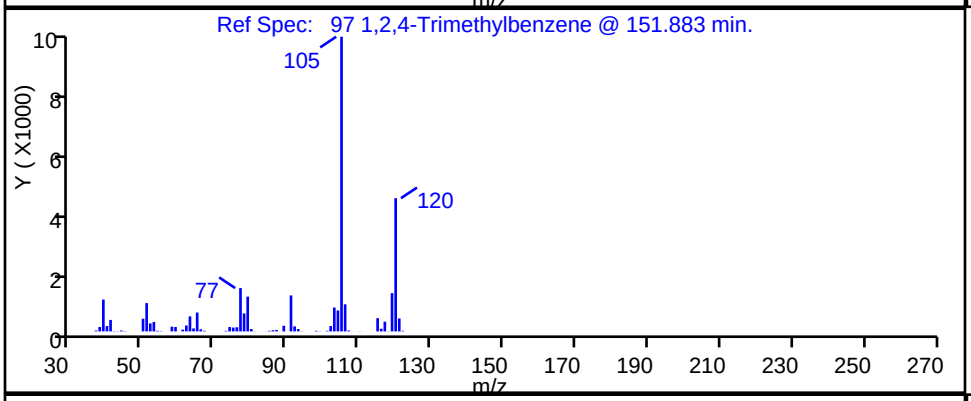
97 1,2,4-Trimethylbenzene, CAS: 95-63-6

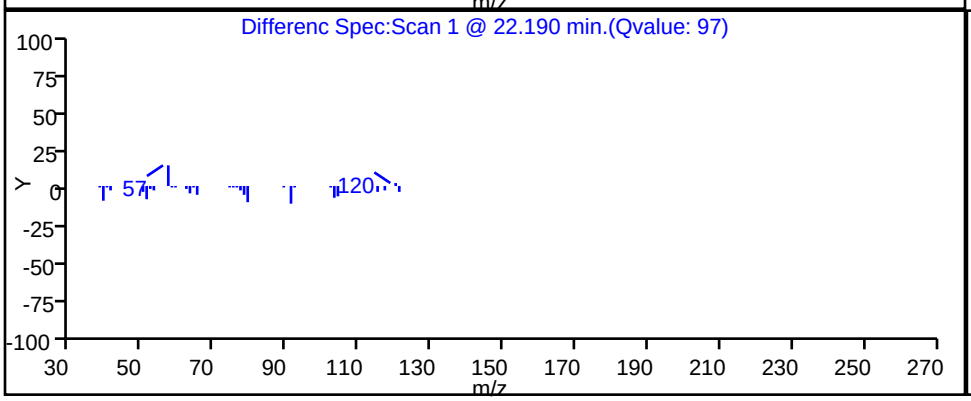


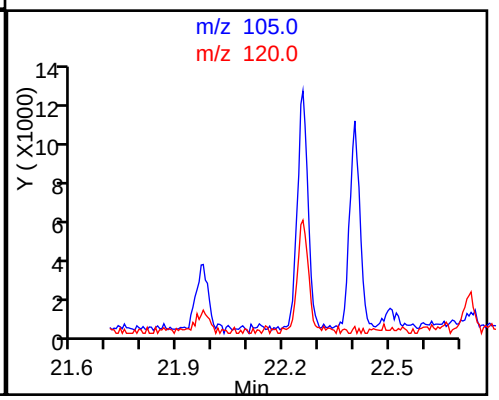












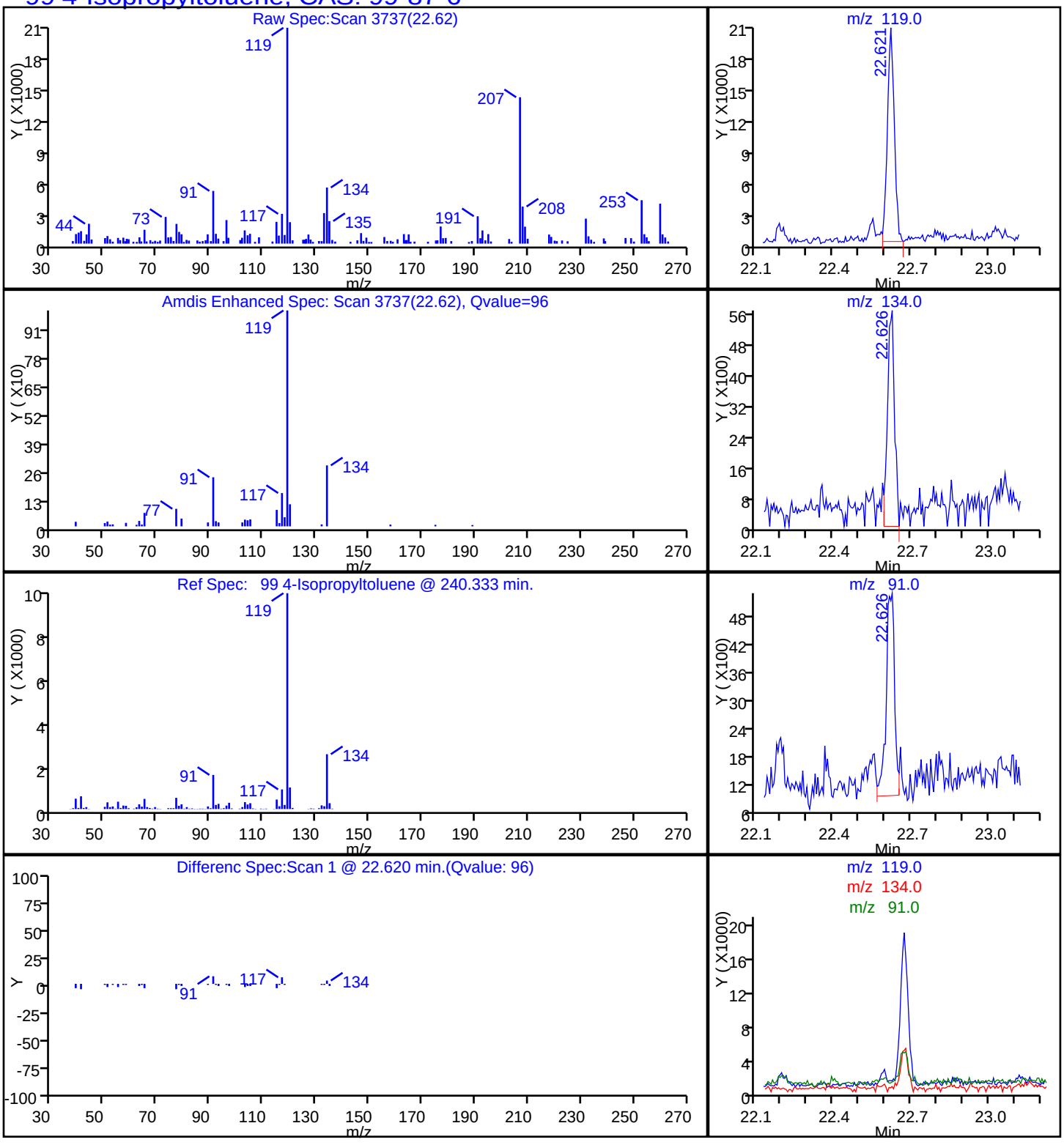
Report Date: 23-Jul-2014 12:24:19 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140722-8660.b\8660_024.D

Injection Date:	23-Jul-2014 05:31:30	Instrument ID:	CHG.i		
Lims ID:	280-58004-A-4	Lab Sample ID:	200-58004-4		
Client ID:	785IA13				
Operator ID:	pad	ALS Bottle#:	23	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

99 4-Isopropyltoluene, CAS: 99-87-6



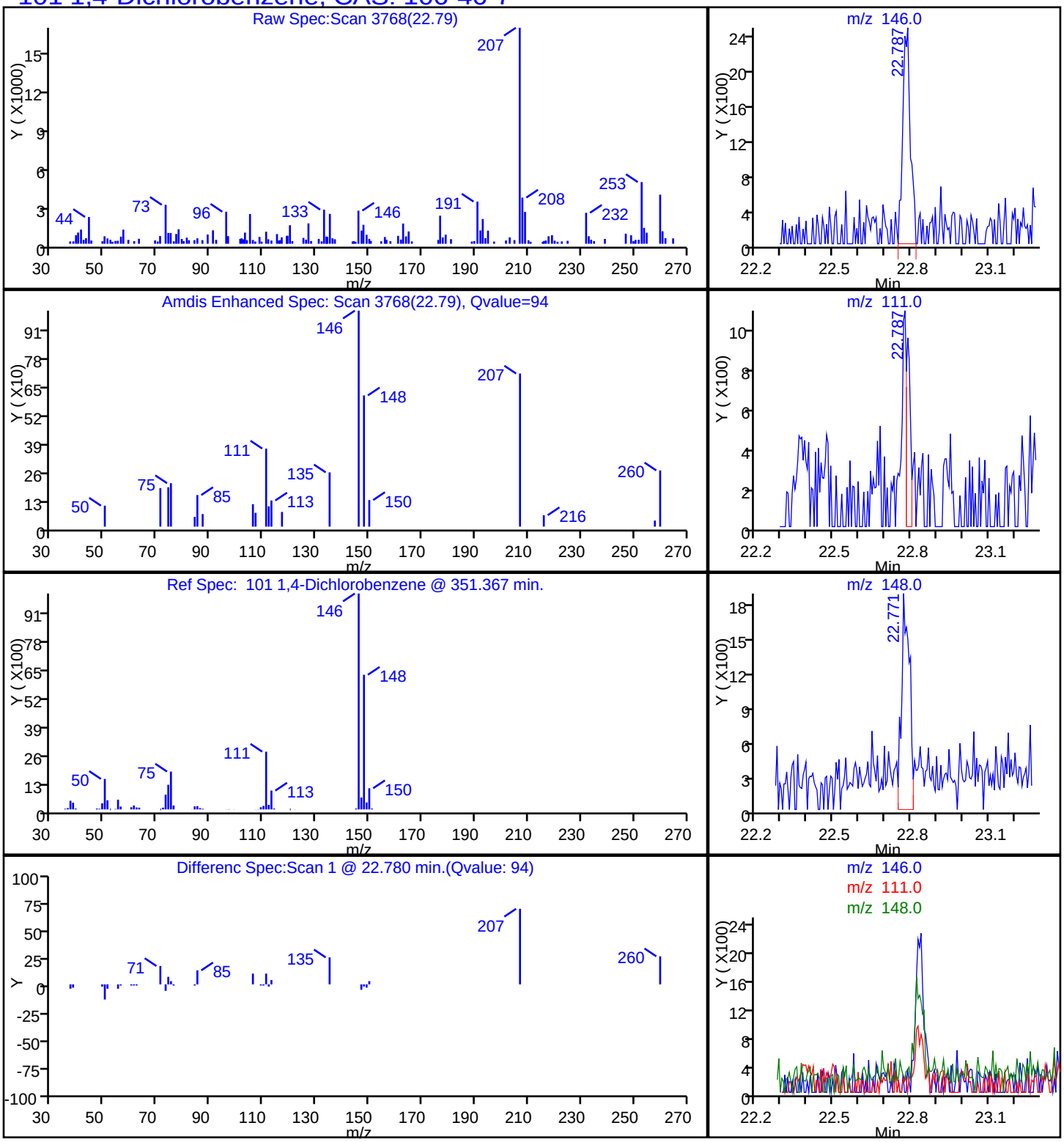
Report Date: 23-Jul-2014 12:24:19 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140722-8660.b\8660_024.D

Injection Date:	23-Jul-2014 05:31:30	Instrument ID:	CHG.i		
Lims ID:	280-58004-A-4	Lab Sample ID:	200-58004-4		
Client ID:	785IA13				
Operator ID:	pad	ALS Bottle#:	23	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

101 1,4-Dichlorobenzene, CAS: 106-46-7



Manual Integration/User Assign Peak Report

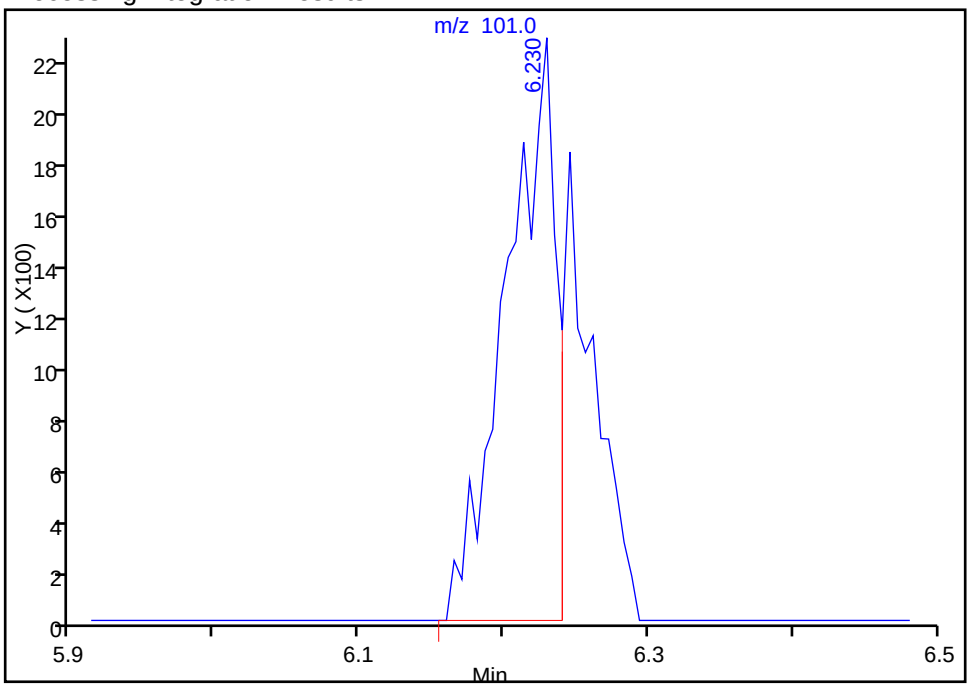
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHG.i\20140722-8660.b\8660_024.D				
Injection Date:	23-Jul-2014 05:31:30	Instrument ID:	CHG.i		
Lims ID:	280-58004-A-4	Lab Sample ID:	200-58004-4		
Client ID:	785IA13				
Operator ID:	pad	ALS Bottle#:	23	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	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

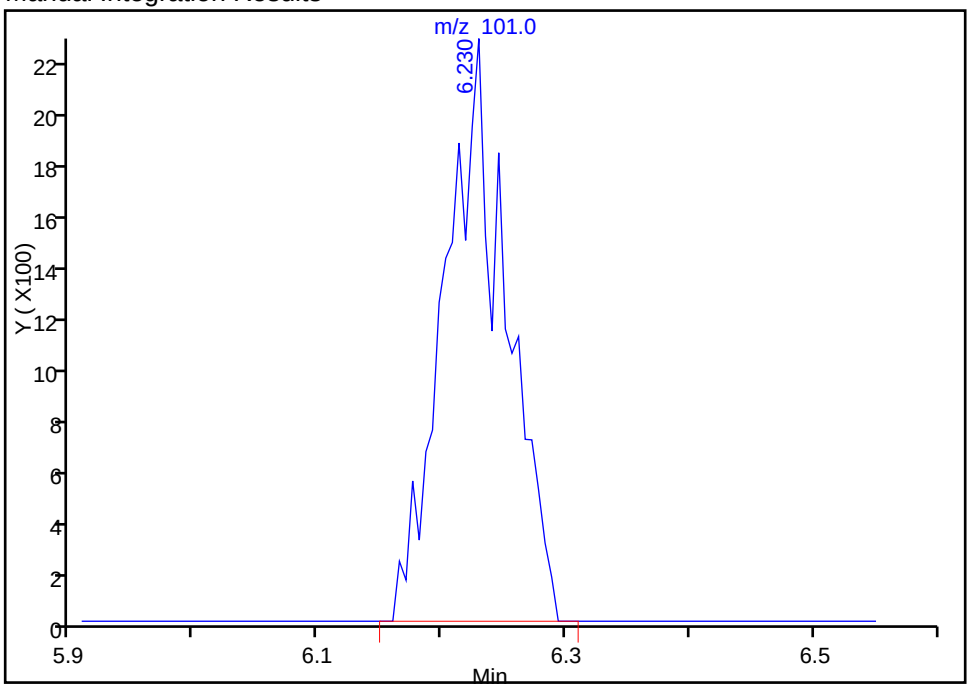
Processing Integration Results

RT: 6.23
Response: 5411
Amount: 0.062522



Manual Integration Results

RT: 6.23
Response: 7810
Amount: 0.090242



Reviewer: daiglep, 23-Jul-2014 12:08:42
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

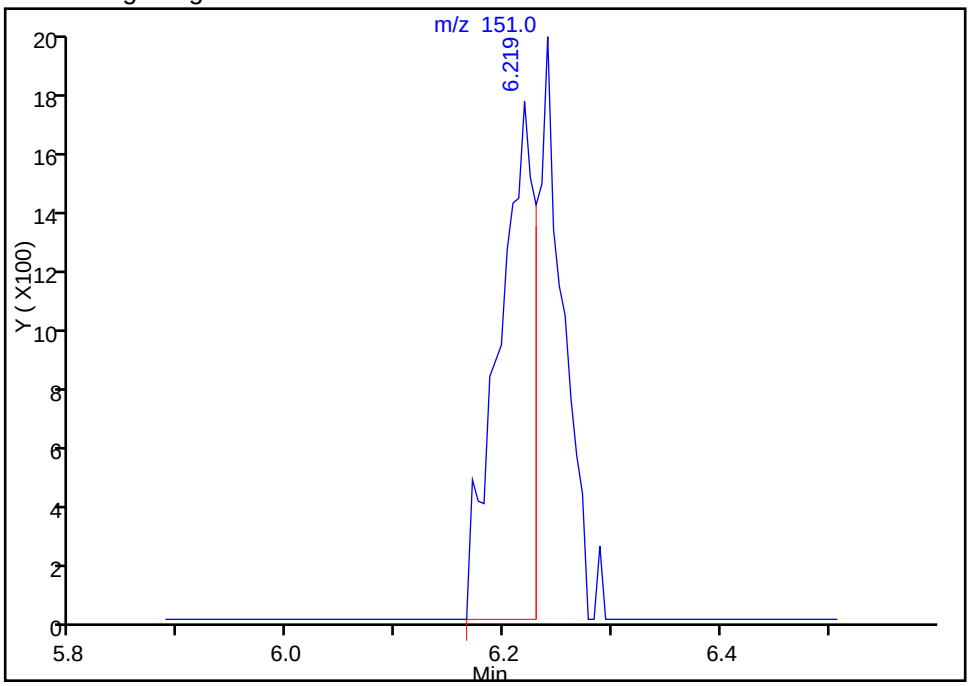
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHG.i\20140722-8660.b\8660_024.D				
Injection Date:	23-Jul-2014 05:31:30	Instrument ID:	CHG.i		
Lims ID:	280-58004-A-4	Lab Sample ID:	200-58004-4		
Client ID:	785IA13				
Operator ID:	pad	ALS Bottle#:	23	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	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

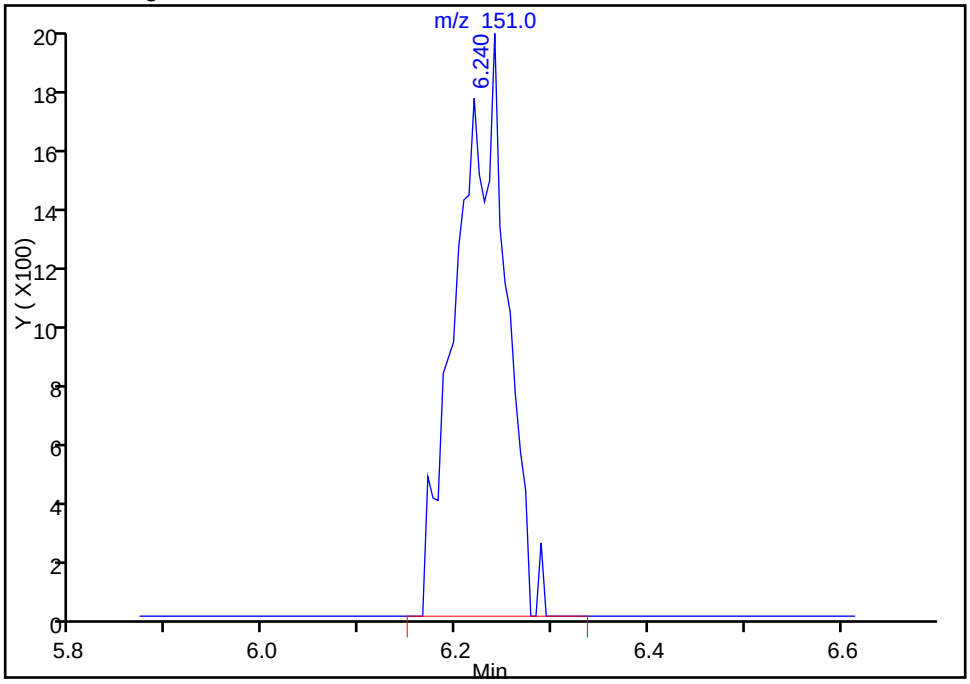
Processing Integration Results

RT: 6.22
Response: 3972
Amount: 0.062522



Manual Integration Results

RT: 6.24
Response: 6772
Amount: 0.090242



Reviewer: daiglep, 23-Jul-2014 12:08:42
Audit Action: Manually Integrated
Audit Reason: Baseline Event

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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Client Sample ID: 786IA12 Lab Sample ID: 280-58004-5

Matrix: Air Lab File ID: 8660_027.D

Analysis Method: TO-15 Date Collected: 07/17/2014 10:30

Sample wt/vol: 394(mL) Date Analyzed: 07/23/2014 08:38

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.: 75167 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	0.50		0.50	0.030
75-45-6	Freon 22	86.47	0.32	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	0.57		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	0.031	J	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		0.20	0.030
76-13-1	Freon TF	187.38	0.077	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	3.9	J	5.0	1.3
67-63-0	Isopropyl alcohol	60.10	0.73	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	0.052	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	0.40	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	0.071	J	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	0.068	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.: 280-58004-1

SDG No.:

Client Sample ID: 786IA12 Lab Sample ID: 280-58004-5

Matrix: Air Lab File ID: 8660_027.D

Analysis Method: TO-15 Date Collected: 07/17/2014 10:30

Sample wt/vol: 394(mL) Date Analyzed: 07/23/2014 08:38

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.: 75167 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	0.14	J	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	0.18	J	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	0.025	J	0.20	0.013
179601-23-1	m,p-Xylene	106.17	0.069	J M	0.50	0.023
95-47-6	Xylene, o-	106.17	0.025	J M	0.20	0.016
1330-20-7	Xylene (total)	106.17	0.094	J	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	0.031	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.: 280-58004-1

SDG No.:

Client Sample ID: 786IA12 Lab Sample ID: 280-58004-5

Matrix: Air Lab File ID: 8660_027.D

Analysis Method: TO-15 Date Collected: 07/17/2014 10:30

Sample wt/vol: 394(mL) Date Analyzed: 07/23/2014 08:38

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.: 75167 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.: 280-58004-1

SDG No.:

Client Sample ID: 786IA12 Lab Sample ID: 280-58004-5

Matrix: Air Lab File ID: 8660_027.D

Analysis Method: TO-15 Date Collected: 07/17/2014 10:30

Sample wt/vol: 394(mL) Date Analyzed: 07/23/2014 08:38

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.: 75167 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	2.5		2.5	0.15
75-45-6	Freon 22	86.47	1.1	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	1.2		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	0.12	J	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		1.1	0.17
76-13-1	Freon TF	187.38	0.59	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	9.2	J	12	3.0
67-63-0	Isopropyl alcohol	60.10	1.8	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	0.18	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	1.2	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	0.45	J	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	0.22	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.: 280-58004-1

SDG No.:

Client Sample ID: 786IA12 | Lab Sample ID: 280-58004-5

Matrix: Air | Lab File ID: 8660_027.D

Analysis Method: TO-15 | Date Collected: 07/17/2014 10:30

Sample wt/vol: 394(mL) | Date Analyzed: 07/23/2014 08:38

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.: 75167 | 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	0.52	J	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	1.2	J	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	0.11	J	0.87	0.056
179601-23-1	m,p-Xylene	106.17	0.30	J M	2.2	0.10
95-47-6	Xylene, o-	106.17	0.11	J M	0.87	0.069
1330-20-7	Xylene (total)	106.17	0.41	J	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	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.: 280-58004-1

SDG No.:

Client Sample ID: 786IA12 Lab Sample ID: 280-58004-5

Matrix: Air Lab File ID: 8660_027.D

Analysis Method: TO-15 Date Collected: 07/17/2014 10:30

Sample wt/vol: 394(mL) Date Analyzed: 07/23/2014 08:38

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.: 75167 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\CHG.i\20140722-8660.b\8660_027.D
Lims ID: 280-58004-A-5 Lab Sample ID: 200-58004-5
Client ID: 786IA12
Sample Type: Client
Inject. Date: 23-Jul-2014 08:38:30 ALS Bottle#: 26 Worklist Smp#: 27
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0008660-027
Misc. Info.: 280-58004-5
Operator ID: pad Instrument ID: CHG.i

Method: \\BTV-LIMS1\ChromData\CHG.i\20140722-8660.b\TO15_LLNJ_TO3_G.m
Limit Group: AI_TO15_ICAL
Last Update: 23-Jul-2014 12:21:37 Calib Date: 02-Jul-2014 22:50:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHG.i\20140702-8394.b\8394_010.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK023

First Level Reviewer: daiglep Date: 23-Jul-2014 12:23:49

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
	2 Dichlorodifluoromethane	85	2.827	2.827	0.000	99	62924	0.5016	
	6 Chlorodifluoromethane	51	2.886	2.886	0.000	96	15505	0.3213	
	7 1,2-Dichloro-1,1,2,2-tetra	85		3.105				ND	
	8 Chloromethane	50	3.239	3.244	-0.005	97	13640	0.5664	
	9 Butane	43		3.448				ND	
	10 Vinyl chloride	62		3.496				ND	
	11 Butadiene	54		3.576				ND	
	12 Bromomethane	94	4.298	4.293	0.005	45	1466	0.0312	
	14 Chloroethane	64		4.550				ND	
	16 Vinyl bromide	106		4.962				ND	
	17 Trichlorofluoromethane	101	5.063	5.074	-0.011	97	33094	0.2361	
	23 1,1,2-Trichloro-1,2,2-trif	101	6.230	6.230	0.000	93	7091	0.0771	
	24 1,1-Dichloroethene	96		6.262				ND	
	25 Acetone	43	6.545	6.540	0.005	86	126873	3.86	
	26 Carbon disulfide	76		6.647				ND	
	27 Isopropyl alcohol	45	6.888	6.866	0.022	97	20008	0.7302	
	29 3-Chloro-1-propene	41		7.107				ND	
	31 Methylene Chloride	49		7.423				ND	
	32 2-Methyl-2-propanol	59		7.679				ND	
	33 Methyl tert-butyl ether	73		7.840				ND	
	34 trans-1,2-Dichloroethene	61		7.872				ND	
	36 Hexane	57	8.268	8.273	-0.005	45	1763	0.0523	
	37 1,1-Dichloroethane	63		8.787				ND	
	39 cis-1,2-Dichloroethene	96		9.937				ND	
	40 2-Butanone (MEK)	72	10.007	10.006	0.001	98	7157	0.3979	
S	41 1,2-Dichloroethene, Total	61		10.200				0	
	44 Tetrahydrofuran	42		10.397				ND	
*	43 Chlorobromomethane	128	10.408	10.408	0.000	69	670347	10.0	
	45 Chloroform	83		10.557				ND	
	46 Cyclohexane	84		10.771				ND	
	47 1,1,1-Trichloroethane	97		10.814				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
48 Carbon tetrachloride	117	11.066	11.060	0.006	95	13117	0.0713	
51 Isooctane	57		11.515				ND	
50 Benzene	78	11.547	11.547	0.000	94	11205	0.0681	
52 1,2-Dichloroethane	62		11.745				ND	
53 n-Heptane	43		11.922				ND	
* 54 1,4-Difluorobenzene	114	12.414	12.419	-0.005	91	3722482	10.0	
56 Trichloroethene	95		12.869				ND	
58 1,2-Dichloropropane	63		13.446				ND	
59 Methyl methacrylate	69		13.634				ND	
60 1,4-Dioxane	88		13.676				ND	
62 Dichlorobromomethane	83		14.019				ND	
64 cis-1,3-Dichloropropene	75		15.003				ND	
65 4-Methyl-2-pentanone (MIBK	43		15.313				ND	
66 Toluene	92	15.613	15.608	0.005	94	25366	0.1382	
70 trans-1,3-Dichloropropene	75		16.244				ND	
71 1,1,2-Trichloroethane	83		16.629				ND	
72 Tetrachloroethene	166	16.710	16.715	-0.005	97	44642	0.1814	
73 2-Hexanone	43		17.100				ND	
74 Chlorodibromomethane	129		17.400				ND	
75 Ethylene Dibromide	107		17.678				ND	
* 76 Chlorobenzene-d5	117	18.587	18.587	0.000	82	4009863	10.0	
77 Chlorobenzene	112		18.652				ND	
78 Ethylbenzene	91	18.807	18.812	-0.005	96	9586	0.0250	
80 m-Xylene & p-Xylene	106	19.069	19.064	0.005	97	11610	0.0693	M
83 o-Xylene	106	19.914	19.914	0.000	64	4351	0.0247	M
84 Styrene	104		19.968				ND	
S 82 Xylenes, Total	106				0		0.0940	
85 Bromoform	173		20.390				ND	
86 Isopropylbenzene	105		20.599				ND	
* 87 4-Bromofluorobenzene	95	20.963	20.963	0.000	99	2656591	10.0	
88 1,1,2,2-Tetrachloroethane	83		21.252				ND	
90 N-Propylbenzene	91		21.321				ND	
91 4-Ethyltoluene	105		21.508				ND	
92 2-Chlorotoluene	91		21.514				ND	
94 1,3,5-Trimethylbenzene	105		21.615				ND	
96 tert-Butylbenzene	119		22.102				ND	
97 1,2,4-Trimethylbenzene	105	22.193	22.193	0.000	95	11561	0.0308	
98 sec-Butylbenzene	105		22.423				ND	
99 4-Isopropyltoluene	119		22.621				ND	
100 1,3-Dichlorobenzene	146		22.648				ND	
101 1,4-Dichlorobenzene	146		22.782				ND	
102 Benzyl chloride	91		22.985				ND	
103 n-Butylbenzene	91		23.188				ND	
105 1,2-Dichlorobenzene	146		23.317				ND	
107 1,2,4-Trichlorobenzene	180		25.804				ND	
108 Hexachlorobutadiene	225		25.986				ND	
109 Naphthalene	128		26.296				ND	

QC Flag Legend

Processing Flags
ND - Not Detected or Marked ND

Review Flags
M - Manually Integrated

Reagents:

ATTO15GIS_00009 Amount Added: 20.00 Units: mL Run Reagent

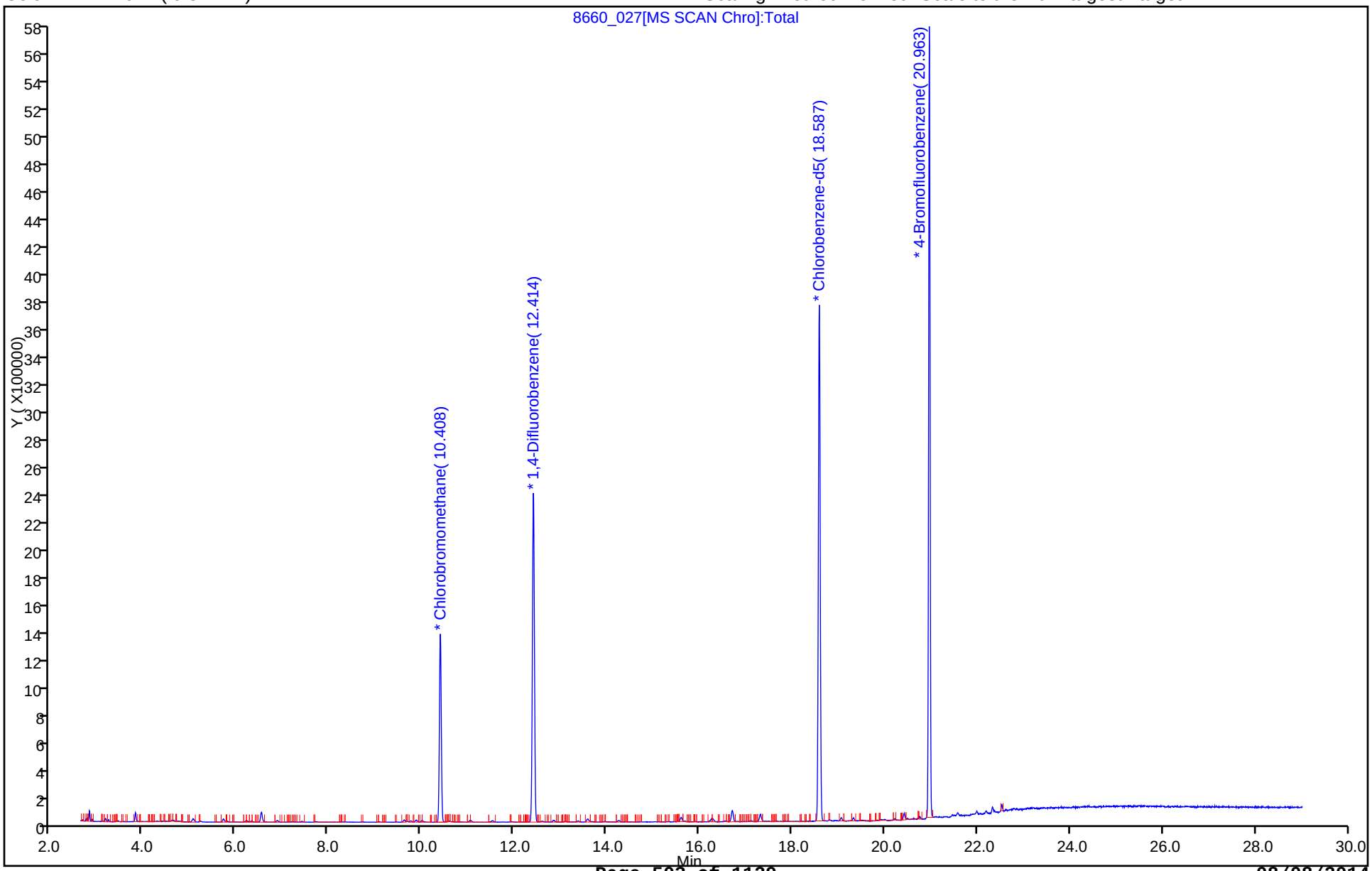
Report Date: 23-Jul-2014 12:23:49 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140722-8660.b\8660_027.D

Injection Date:	23-Jul-2014 08:38:30	Instrument ID:	CHG.i	Operator ID:	pad
Lims ID:	280-58004-A-5	Lab Sample ID:	200-58004-5	Worklist Smp#:	27
Client ID:	786IA12				
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	26
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		

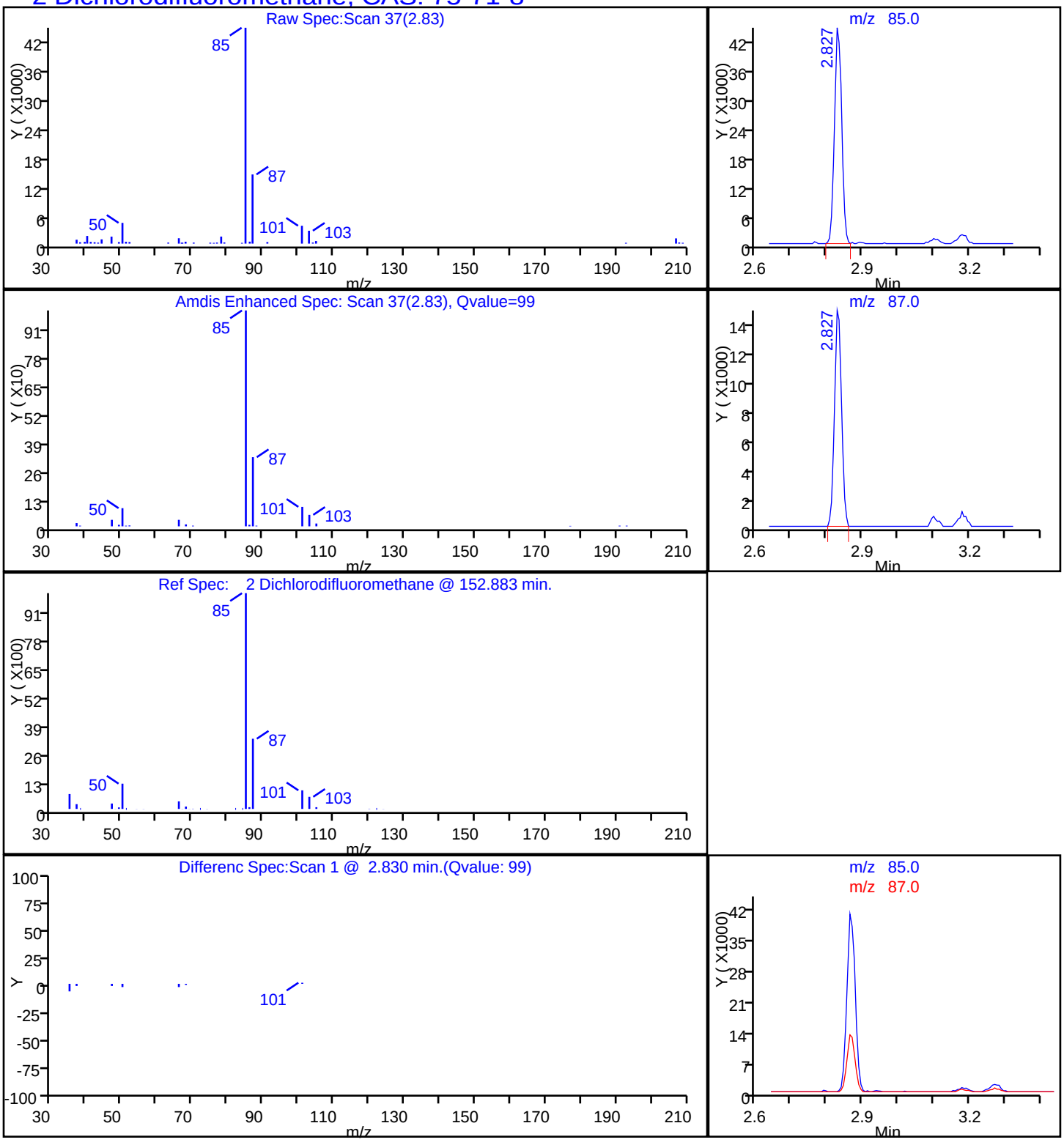
Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHG.i\20140722-8660.b\8660_027.D				
Injection Date:	23-Jul-2014 08:38:30	Instrument ID:	CHG.i		
Lims ID:	280-58004-A-5	Lab Sample ID:	200-58004-5		
Client ID:	786IA12				
Operator ID:	pad	ALS Bottle#:	26	Worklist Smp#:	27
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

2 Dichlorodifluoromethane, CAS: 75-71-8



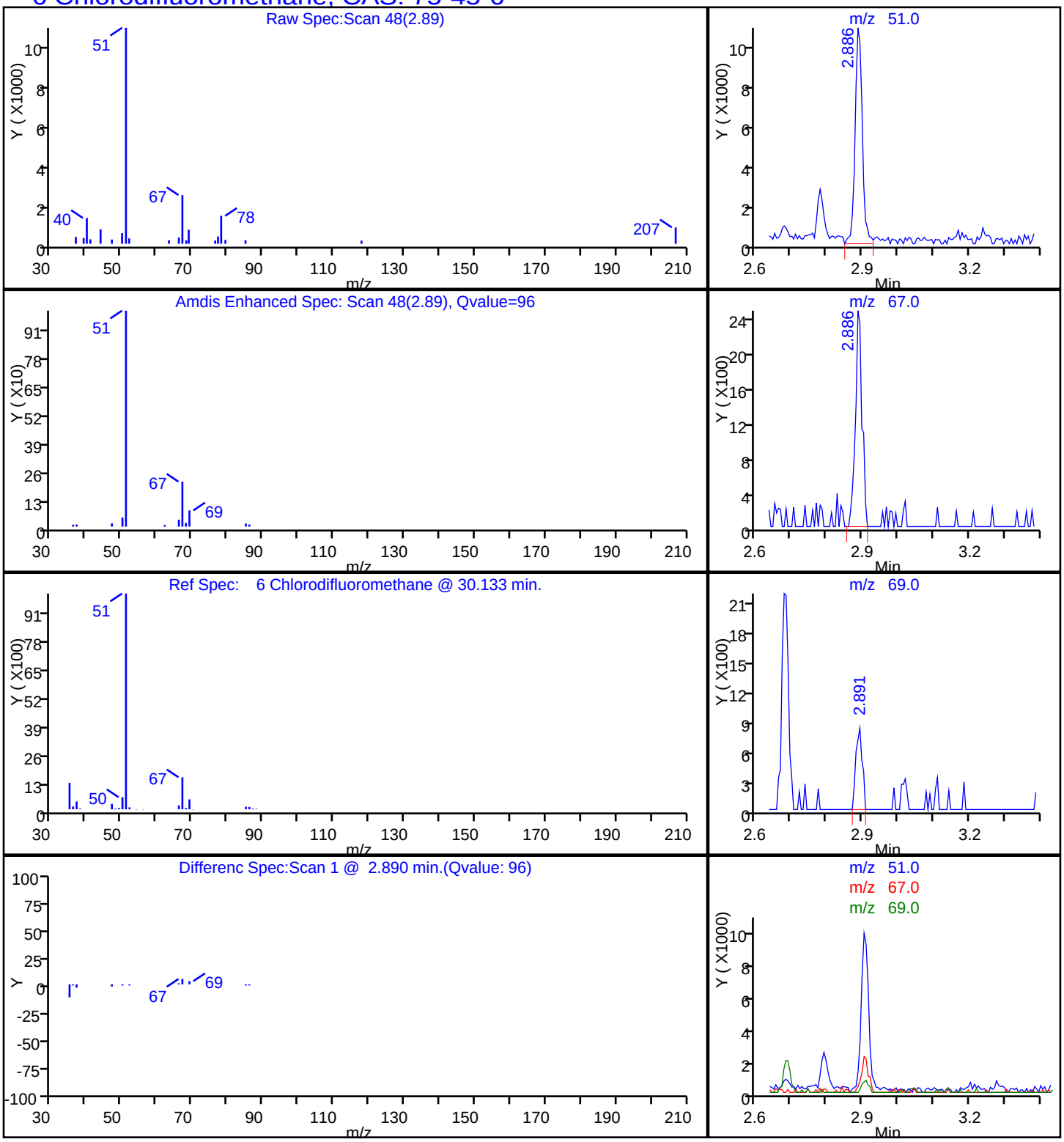
Report Date: 23-Jul-2014 12:23:49 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140722-8660.b\8660_027.D

Injection Date:	23-Jul-2014 08:38:30	Instrument ID:	CHG.i		
Lims ID:	280-58004-A-5	Lab Sample ID:	200-58004-5		
Client ID:	786IA12				
Operator ID:	pad	ALS Bottle#:	26	Worklist Smp#:	27
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

6 Chlorodifluoromethane, CAS: 75-45-6



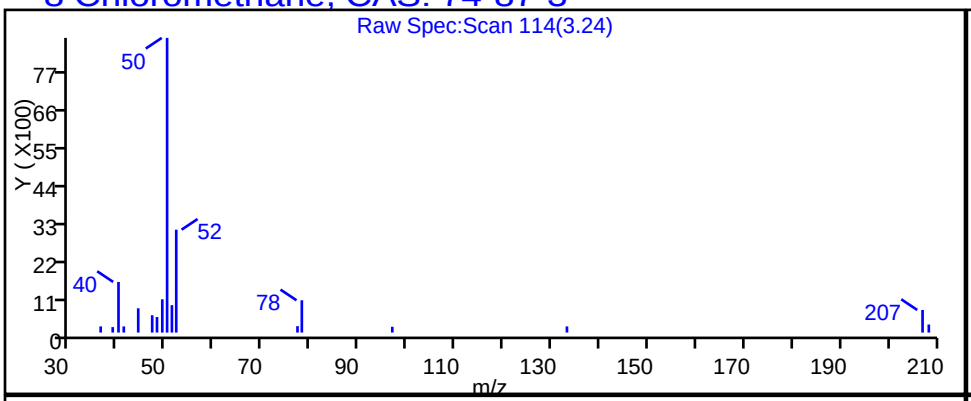
Report Date: 23-Jul-2014 12:23:49 Chrom Revision: 2.2 24-Jun-2014 07:21:42

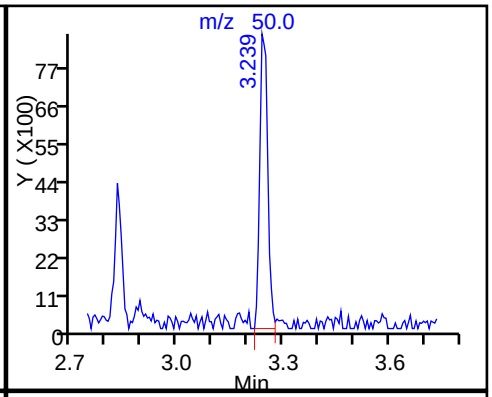
TestAmerica Burlington

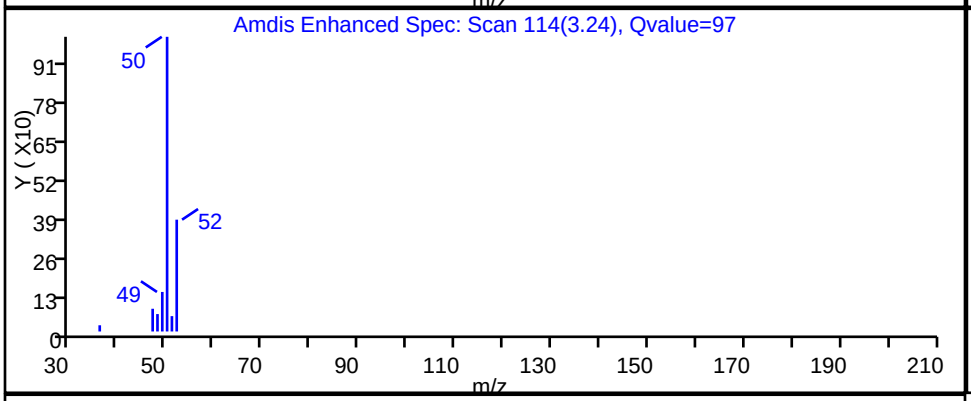
Data File: \\BTV-LIMS1\ChromData\CHG.i\20140722-8660.b\8660_027.D

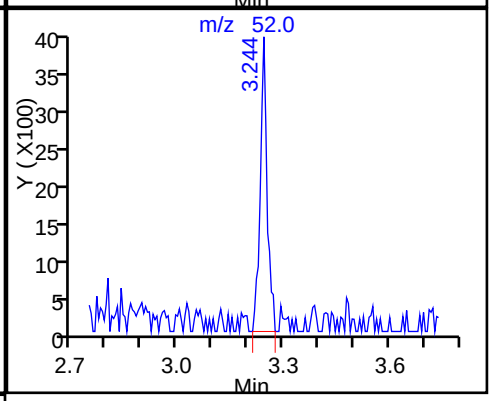
Injection Date:	23-Jul-2014 08:38:30	Instrument ID:	CHG.i		
Lims ID:	280-58004-A-5	Lab Sample ID:	200-58004-5		
Client ID:	786IA12				
Operator ID:	pad	ALS Bottle#:	26	Worklist Smp#:	27
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

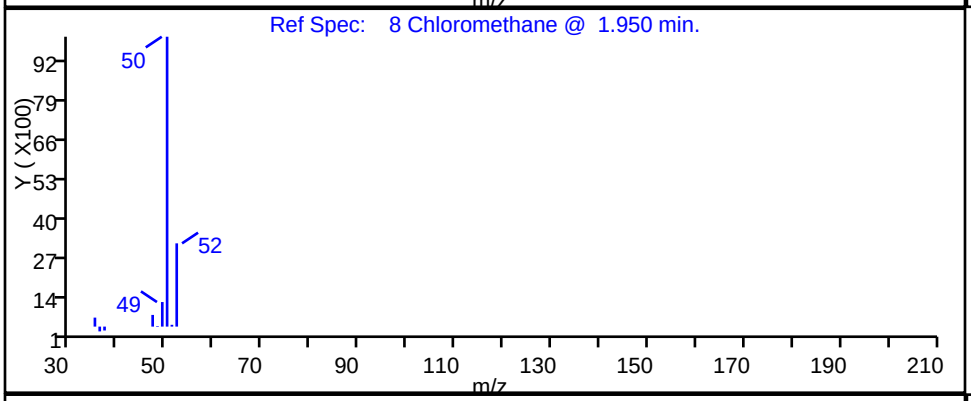
8 Chloromethane, CAS: 74-87-3

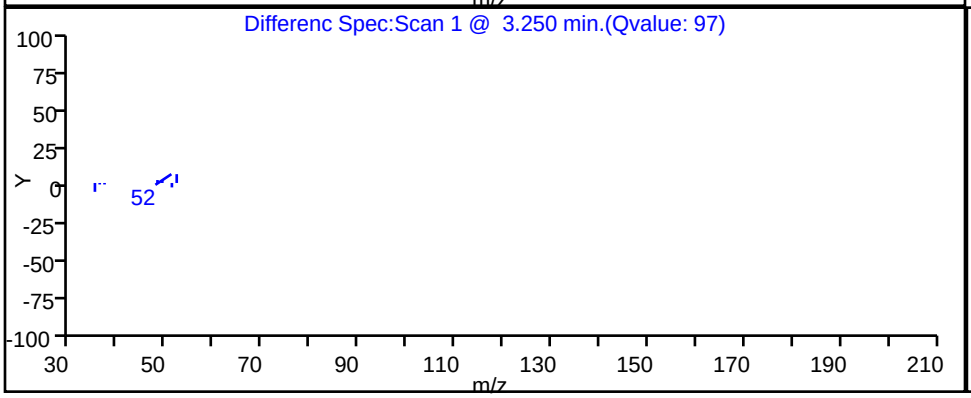


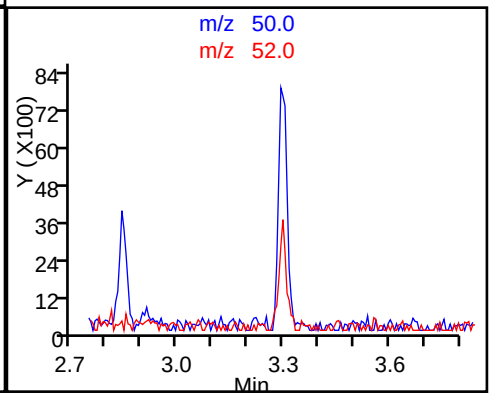








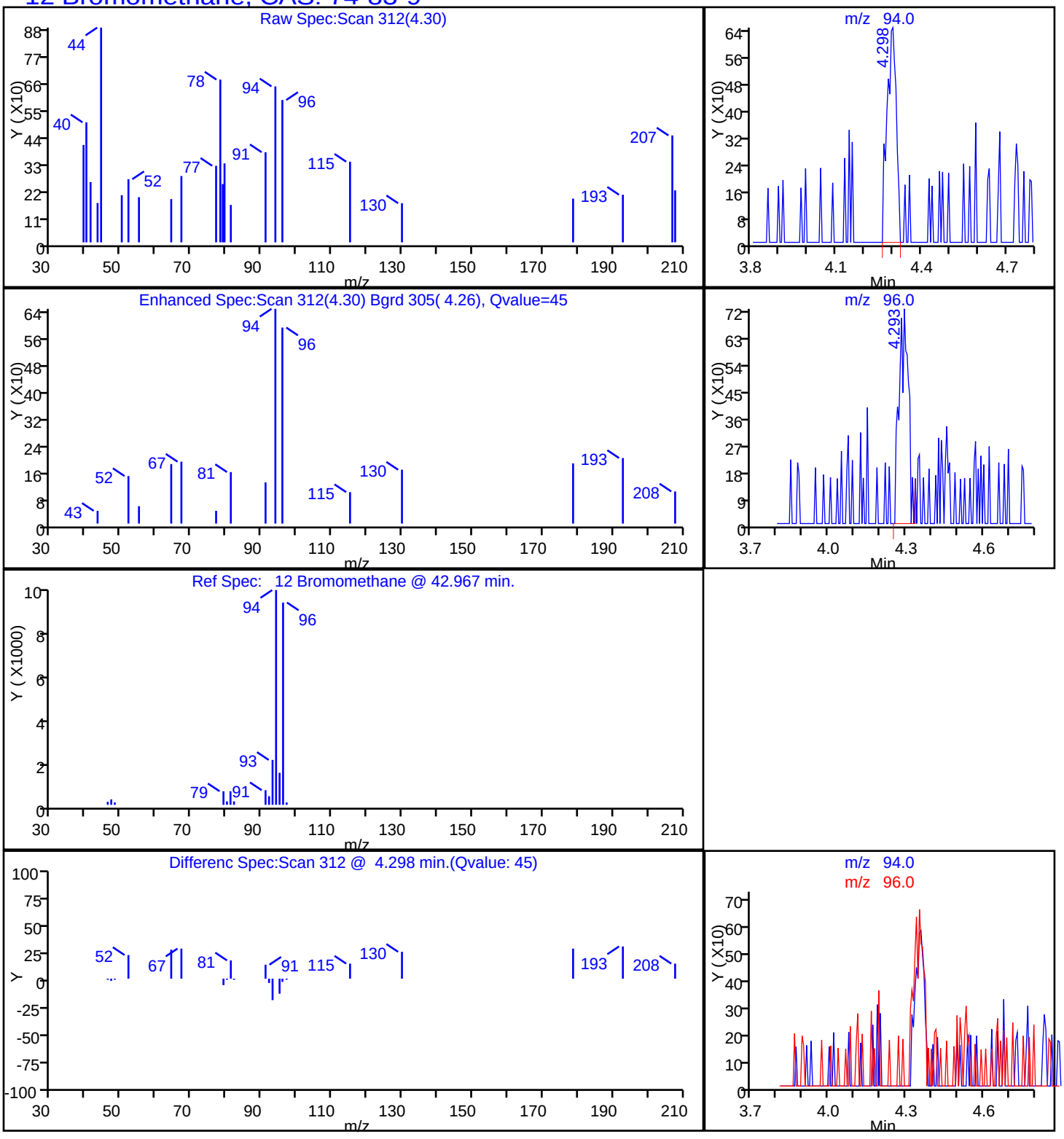




TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHG.i\20140722-8660.b\8660_027.D				
Injection Date:	23-Jul-2014 08:38:30	Instrument ID:	CHG.i		
Lims ID:	280-58004-A-5	Lab Sample ID:	200-58004-5		
Client ID:	786IA12				
Operator ID:	pad	ALS Bottle#:	26	Worklist Smp#:	27
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

12 Bromomethane, CAS: 74-83-9



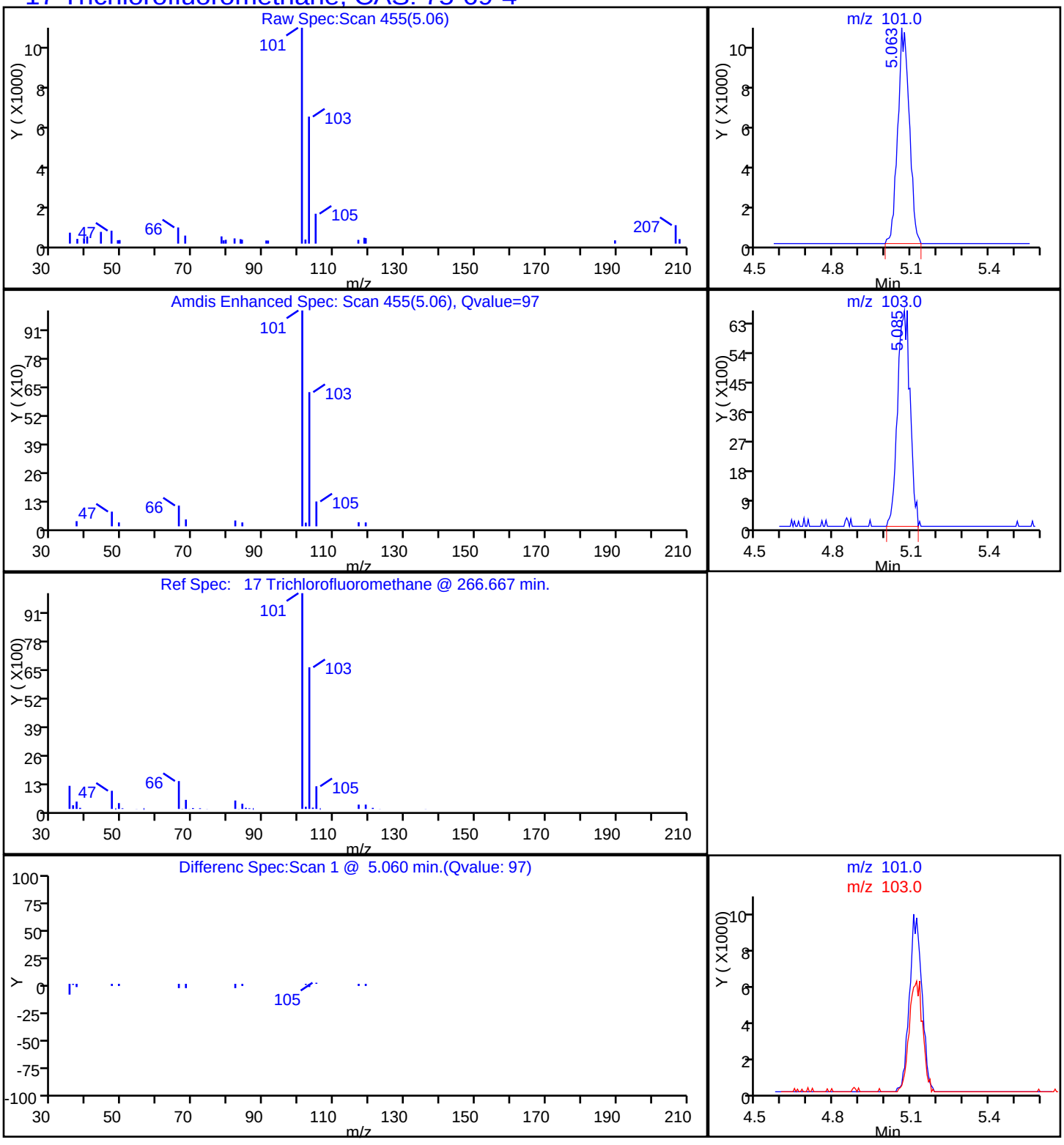
Report Date: 23-Jul-2014 12:23:49 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140722-8660.b\8660_027.D

Injection Date:	23-Jul-2014 08:38:30	Instrument ID:	CHG.i		
Lims ID:	280-58004-A-5	Lab Sample ID:	200-58004-5		
Client ID:	786IA12				
Operator ID:	pad	ALS Bottle#:	26	Worklist Smp#:	27
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

17 Trichlorofluoromethane, CAS: 75-69-4



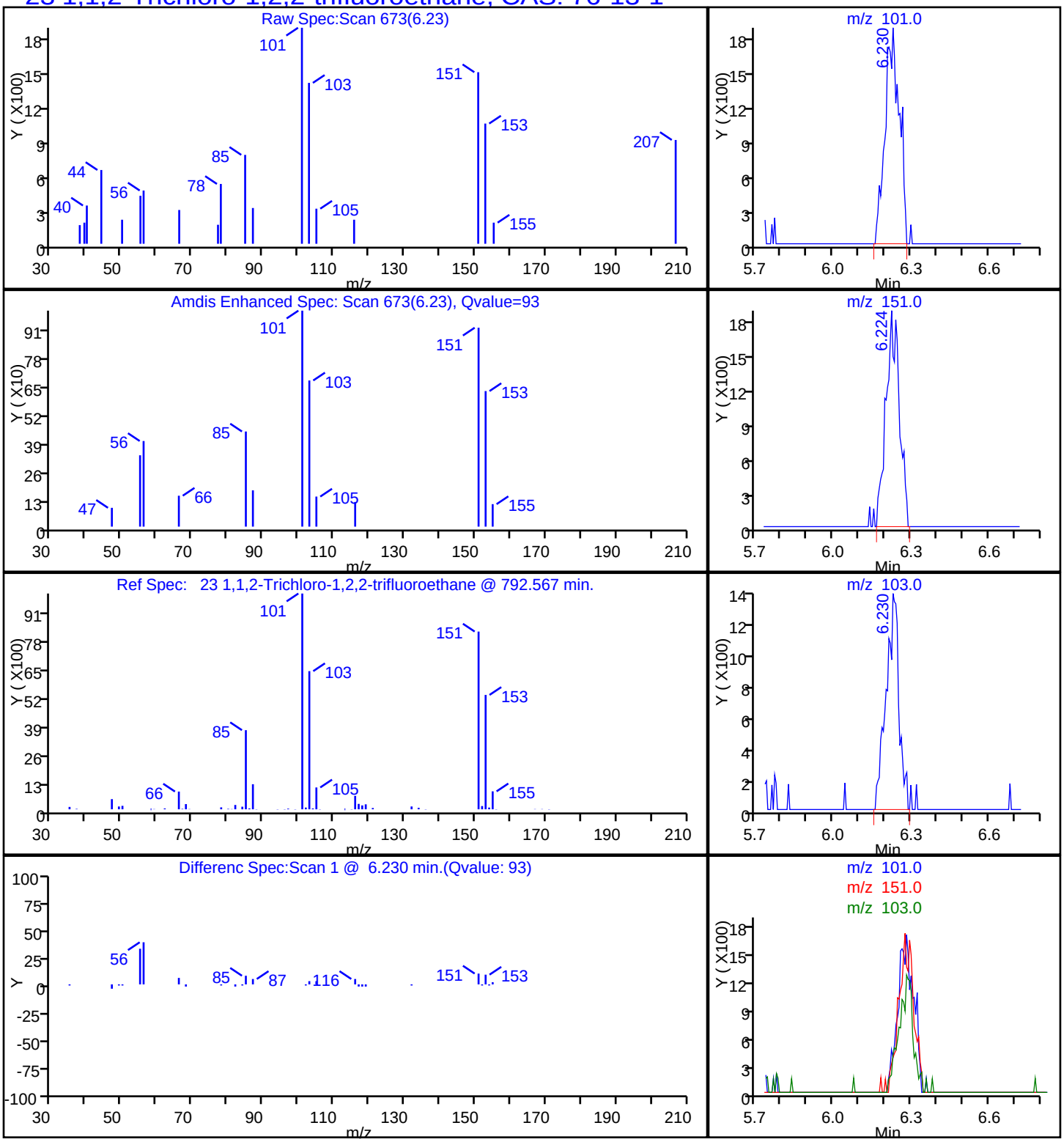
Report Date: 23-Jul-2014 12:23:49 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140722-8660.b\8660_027.D

Injection Date:	23-Jul-2014 08:38:30	Instrument ID:	CHG.i		
Lims ID:	280-58004-A-5	Lab Sample ID:	200-58004-5		
Client ID:	786IA12				
Operator ID:	pad	ALS Bottle#:	26	Worklist Smp#:	27
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	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



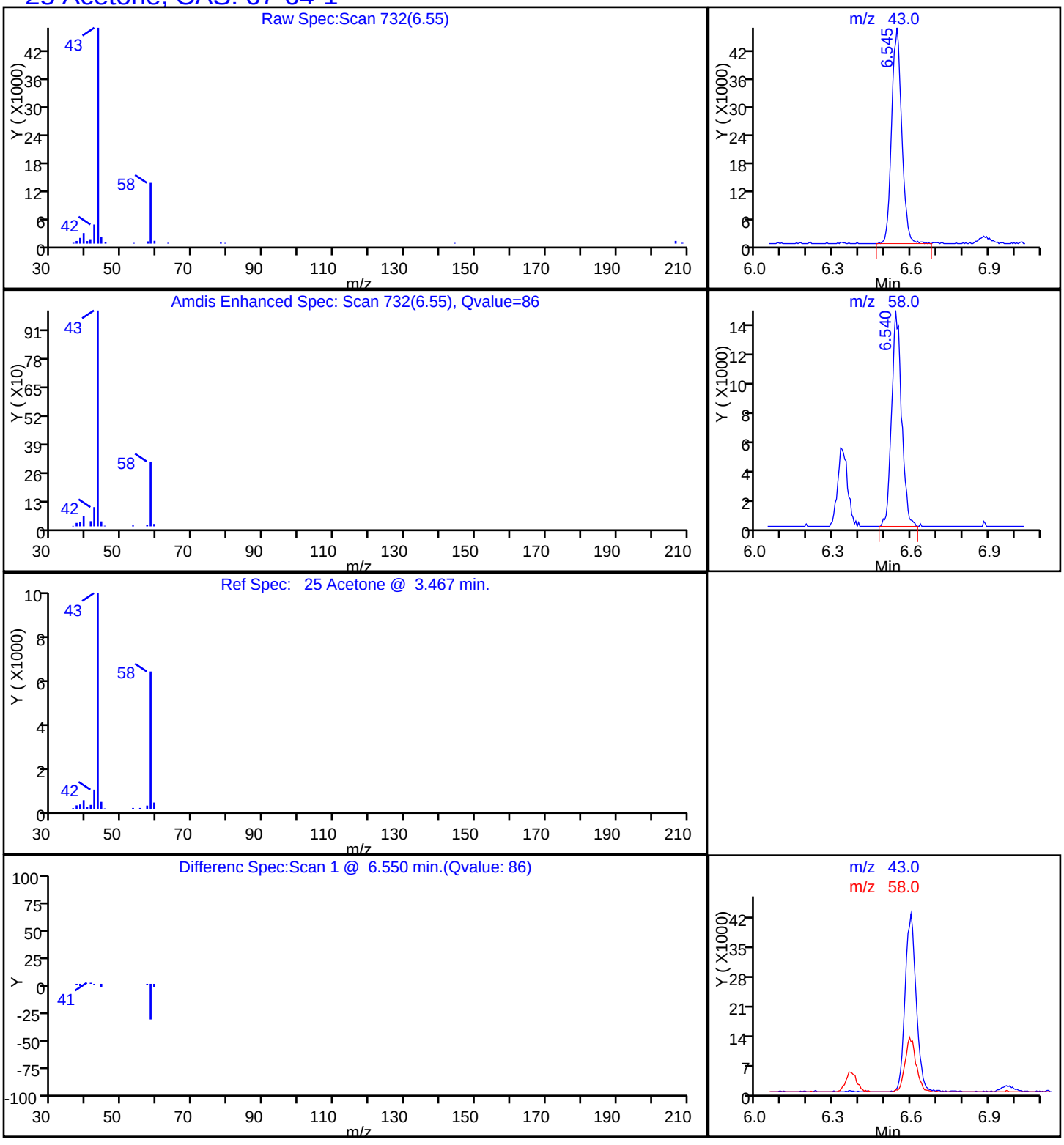
Report Date: 23-Jul-2014 12:23:49 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140722-8660.b\8660_027.D

Injection Date:	23-Jul-2014 08:38:30	Instrument ID:	CHG.i		
Lims ID:	280-58004-A-5	Lab Sample ID:	200-58004-5		
Client ID:	786IA12				
Operator ID:	pad	ALS Bottle#:	26	Worklist Smp#:	27
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

25 Acetone, CAS: 67-64-1



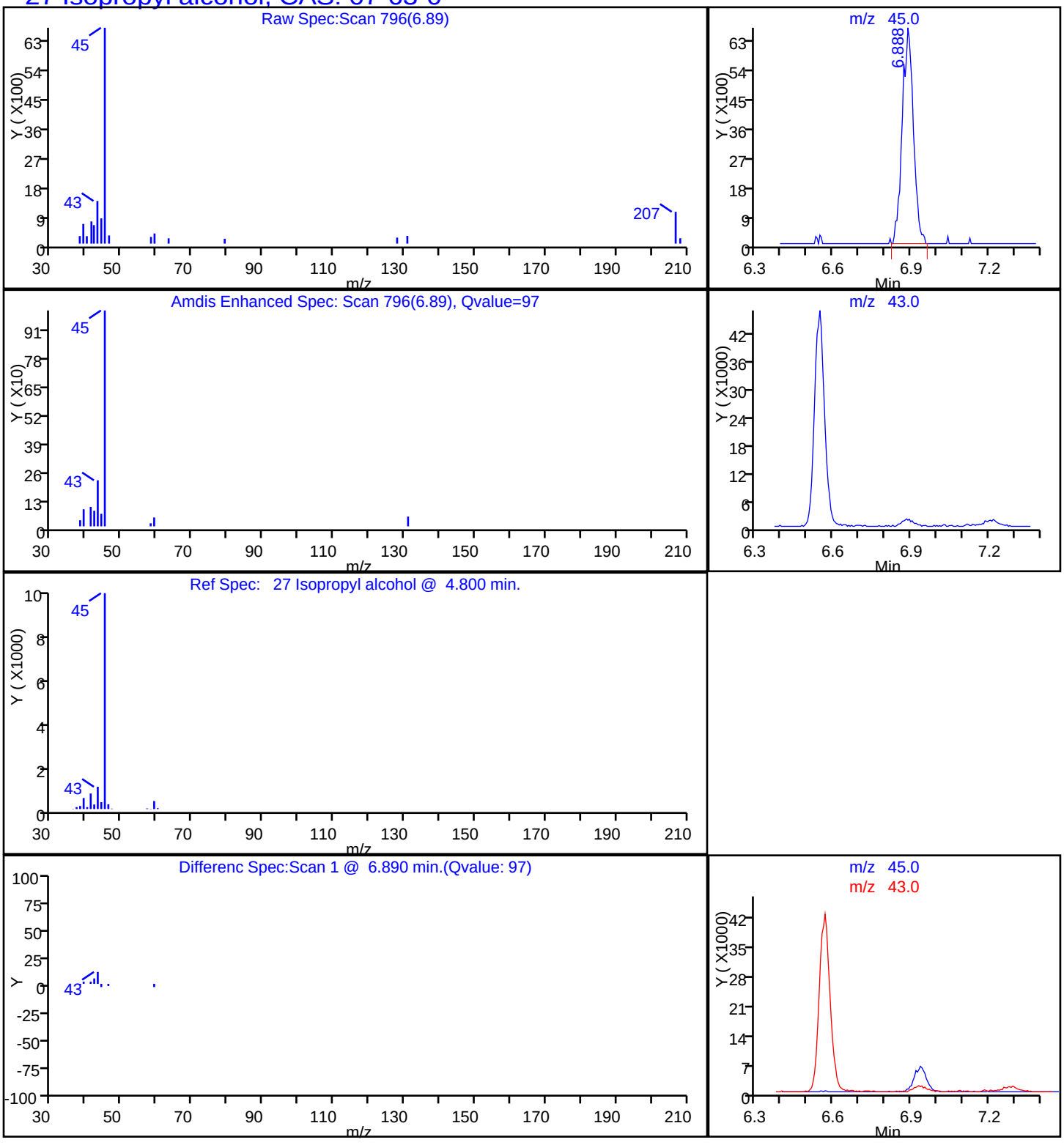
Report Date: 23-Jul-2014 12:23:49 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140722-8660.b\8660_027.D

Injection Date:	23-Jul-2014 08:38:30	Instrument ID:	CHG.i		
Lims ID:	280-58004-A-5	Lab Sample ID:	200-58004-5		
Client ID:	786IA12				
Operator ID:	pad	ALS Bottle#:	26	Worklist Smp#:	27
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

27 Isopropyl alcohol, CAS: 67-63-0



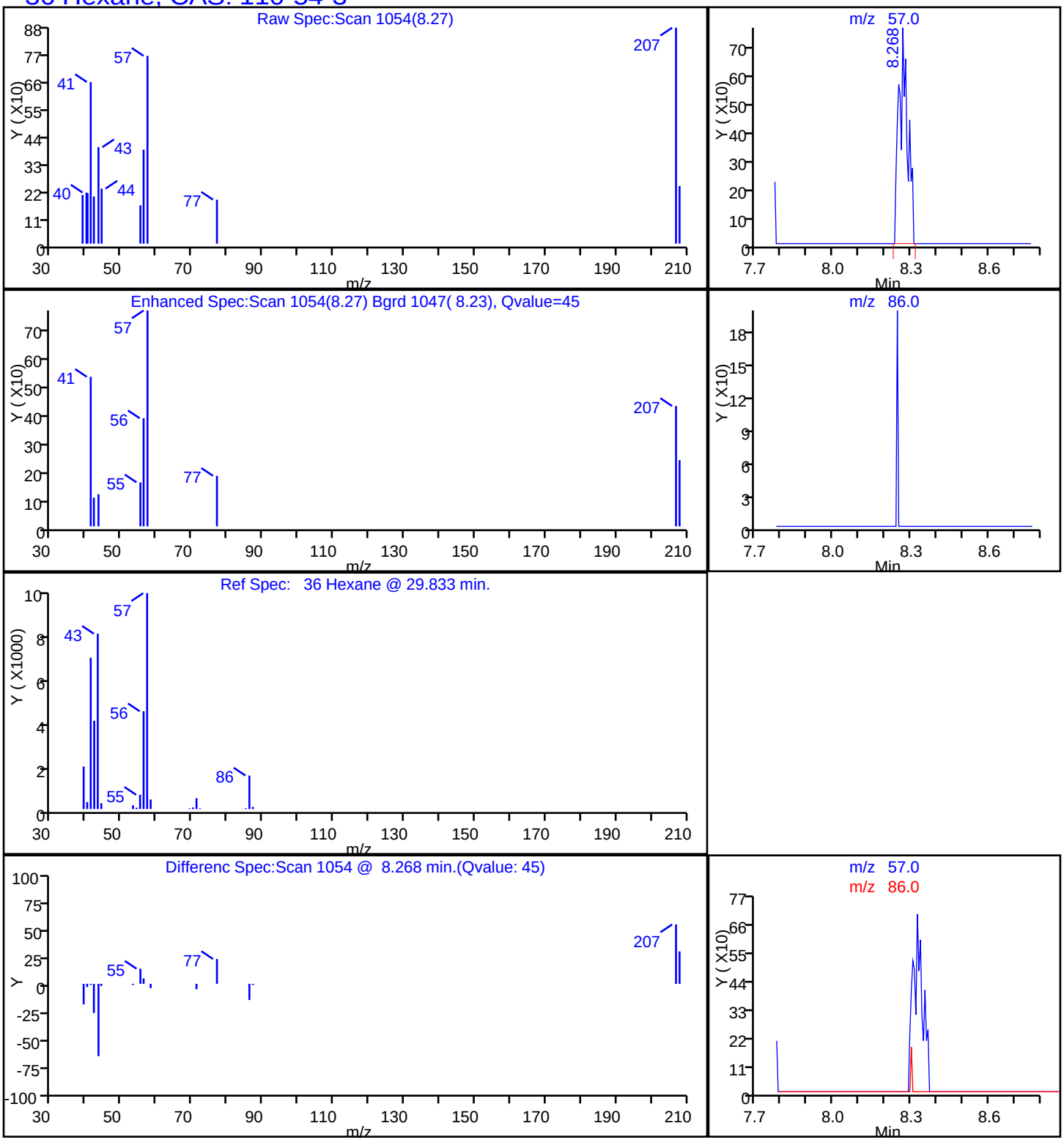
Report Date: 23-Jul-2014 12:23:49 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140722-8660.b\8660_027.D

Injection Date:	23-Jul-2014 08:38:30	Instrument ID:	CHG.i		
Lims ID:	280-58004-A-5	Lab Sample ID:	200-58004-5		
Client ID:	786IA12				
Operator ID:	pad	ALS Bottle#:	26	Worklist Smp#:	27
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

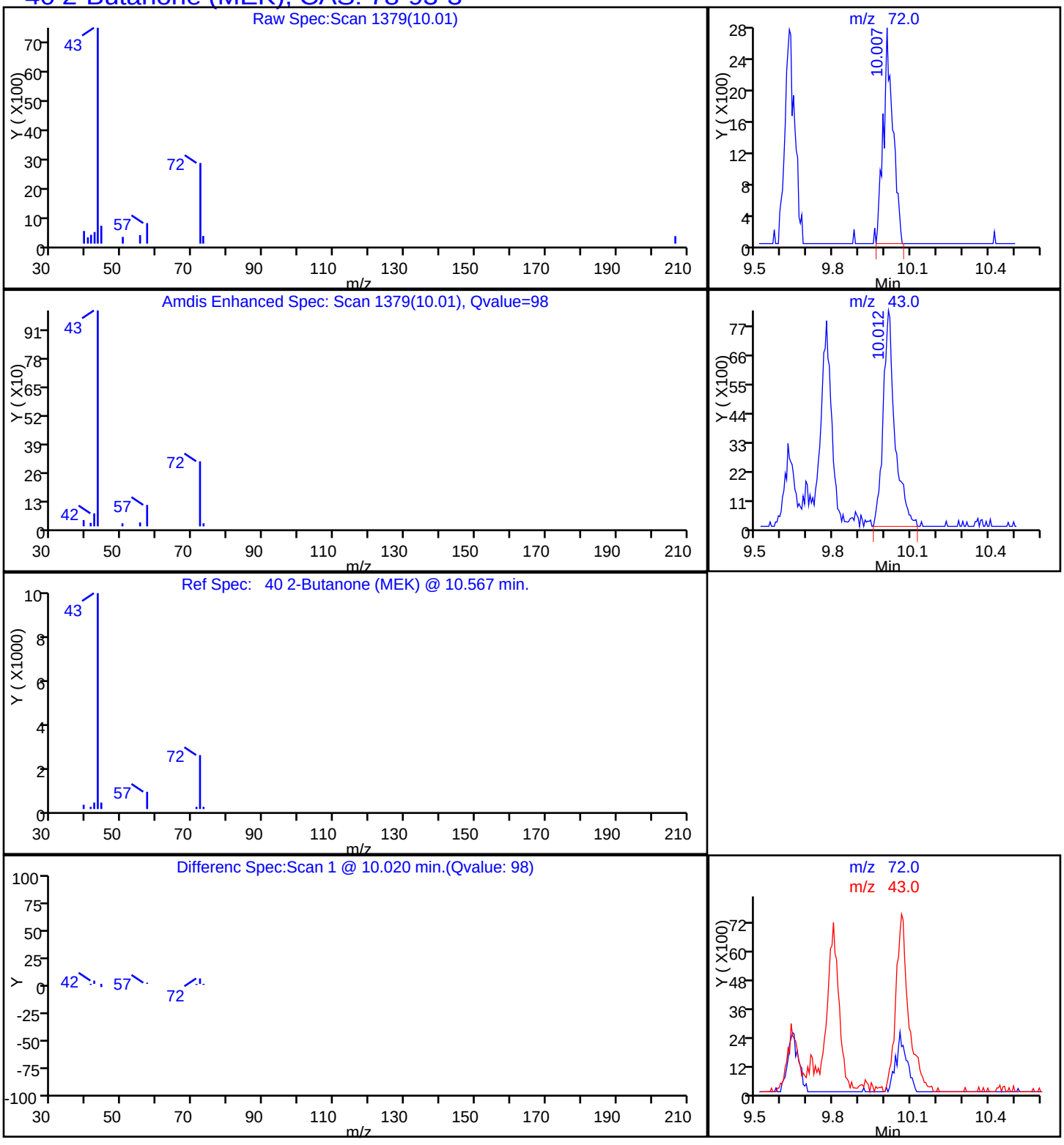
36 Hexane, CAS: 110-54-3



TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHG.i\20140722-8660.b\8660_027.D				
Injection Date:	23-Jul-2014 08:38:30	Instrument ID:	CHG.i		
Lims ID:	280-58004-A-5	Lab Sample ID:	200-58004-5		
Client ID:	786IA12				
Operator ID:	pad	ALS Bottle#:	26	Worklist Smp#:	27
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

40 2-Butanone (MEK), CAS: 78-93-3



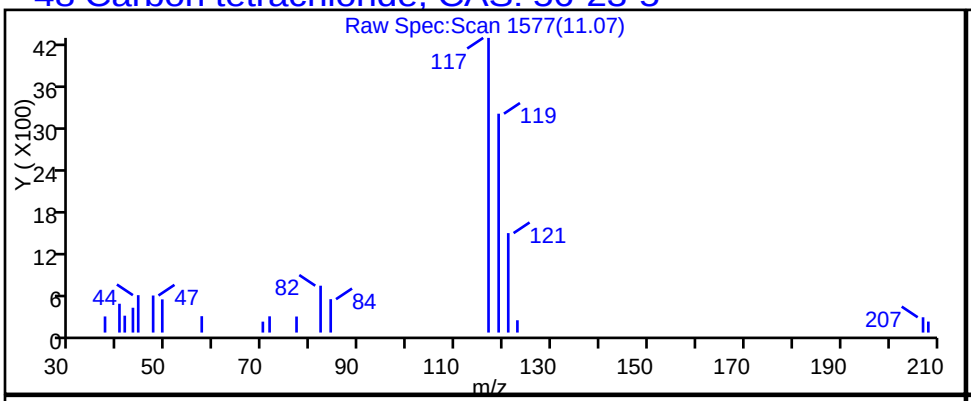
Report Date: 23-Jul-2014 12:23:49 Chrom Revision: 2.2 24-Jun-2014 07:21:42

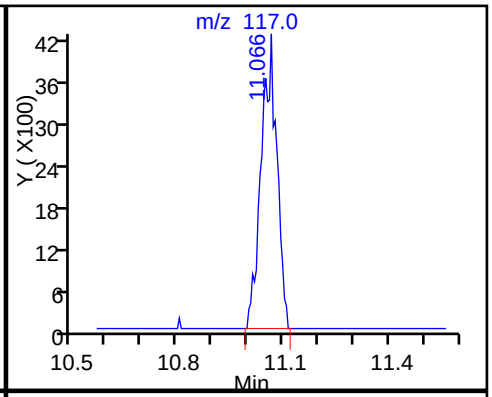
TestAmerica Burlington

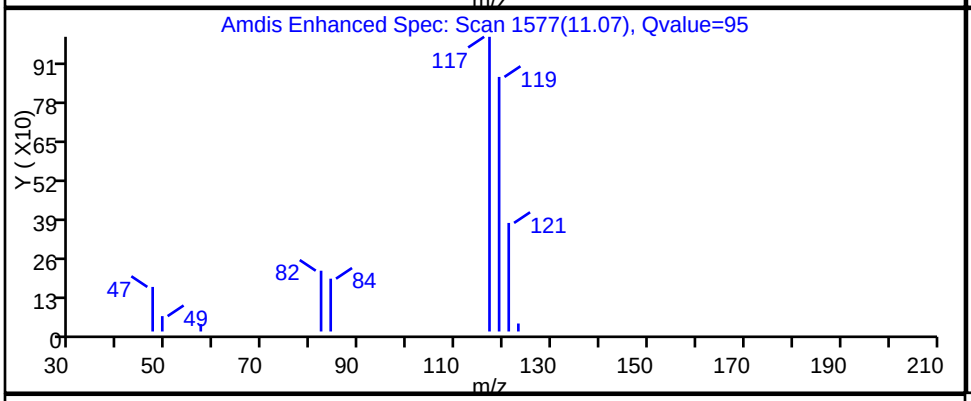
Data File: \\BTV-LIMS1\ChromData\CHG.i\20140722-8660.b\8660_027.D

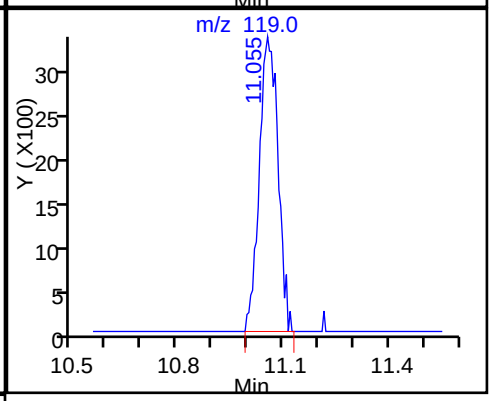
Injection Date:	23-Jul-2014 08:38:30	Instrument ID:	CHG.i		
Lims ID:	280-58004-A-5	Lab Sample ID:	200-58004-5		
Client ID:	786IA12				
Operator ID:	pad	ALS Bottle#:	26	Worklist Smp#:	27
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

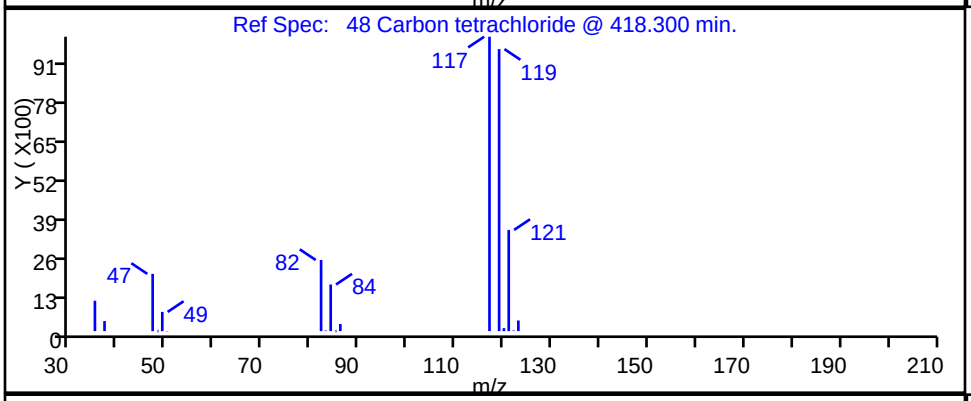
48 Carbon tetrachloride, CAS: 56-23-5

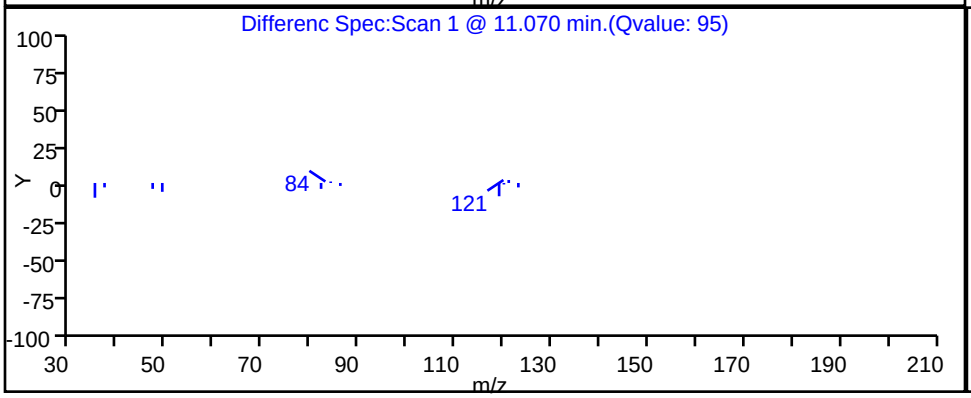


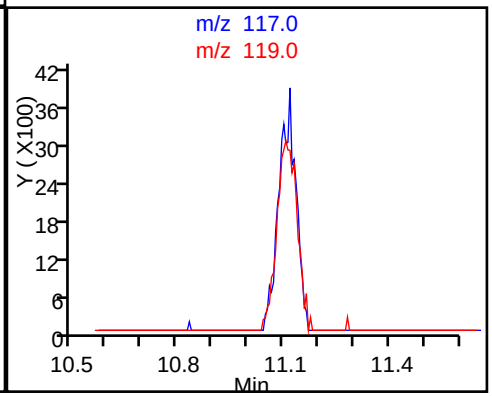












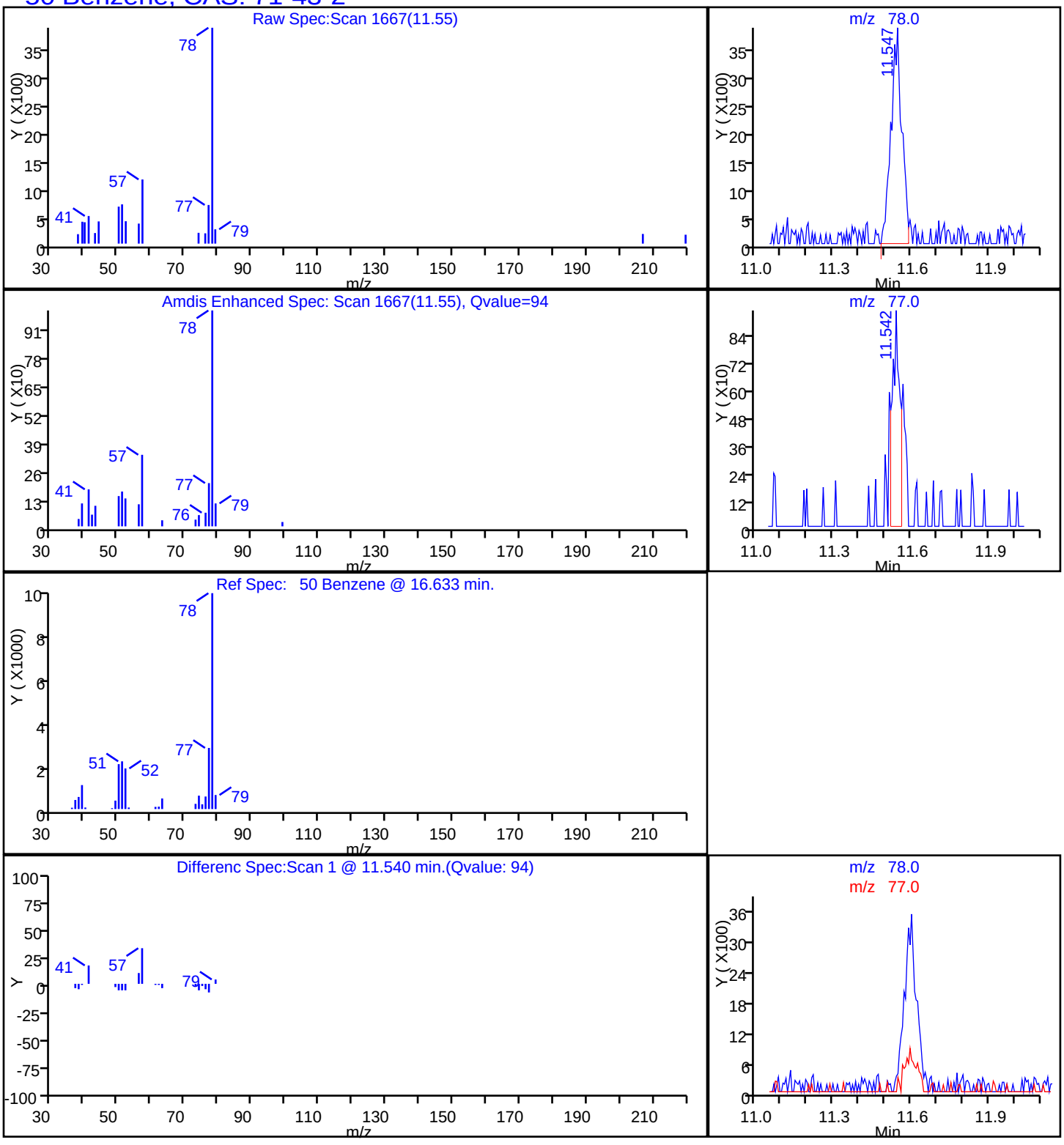
Report Date: 23-Jul-2014 12:23:49 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140722-8660.b\8660_027.D

Injection Date:	23-Jul-2014 08:38:30	Instrument ID:	CHG.i		
Lims ID:	280-58004-A-5	Lab Sample ID:	200-58004-5		
Client ID:	786IA12				
Operator ID:	pad	ALS Bottle#:	26	Worklist Smp#:	27
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

50 Benzene, CAS: 71-43-2



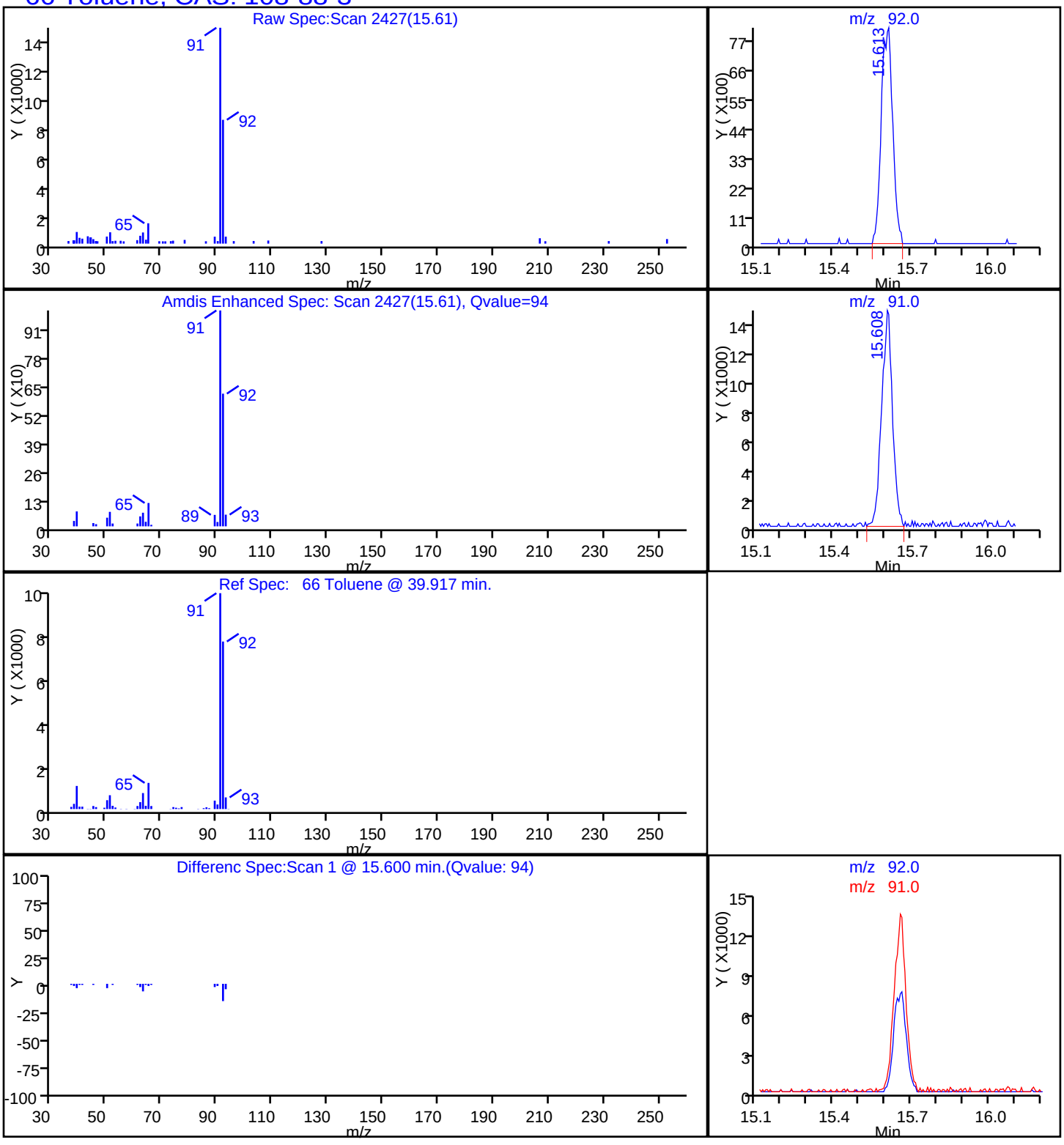
Report Date: 23-Jul-2014 12:23:49 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140722-8660.b\8660_027.D

Injection Date:	23-Jul-2014 08:38:30	Instrument ID:	CHG.i		
Lims ID:	280-58004-A-5	Lab Sample ID:	200-58004-5		
Client ID:	786IA12				
Operator ID:	pad	ALS Bottle#:	26	Worklist Smp#:	27
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

66 Toluene, CAS: 108-88-3



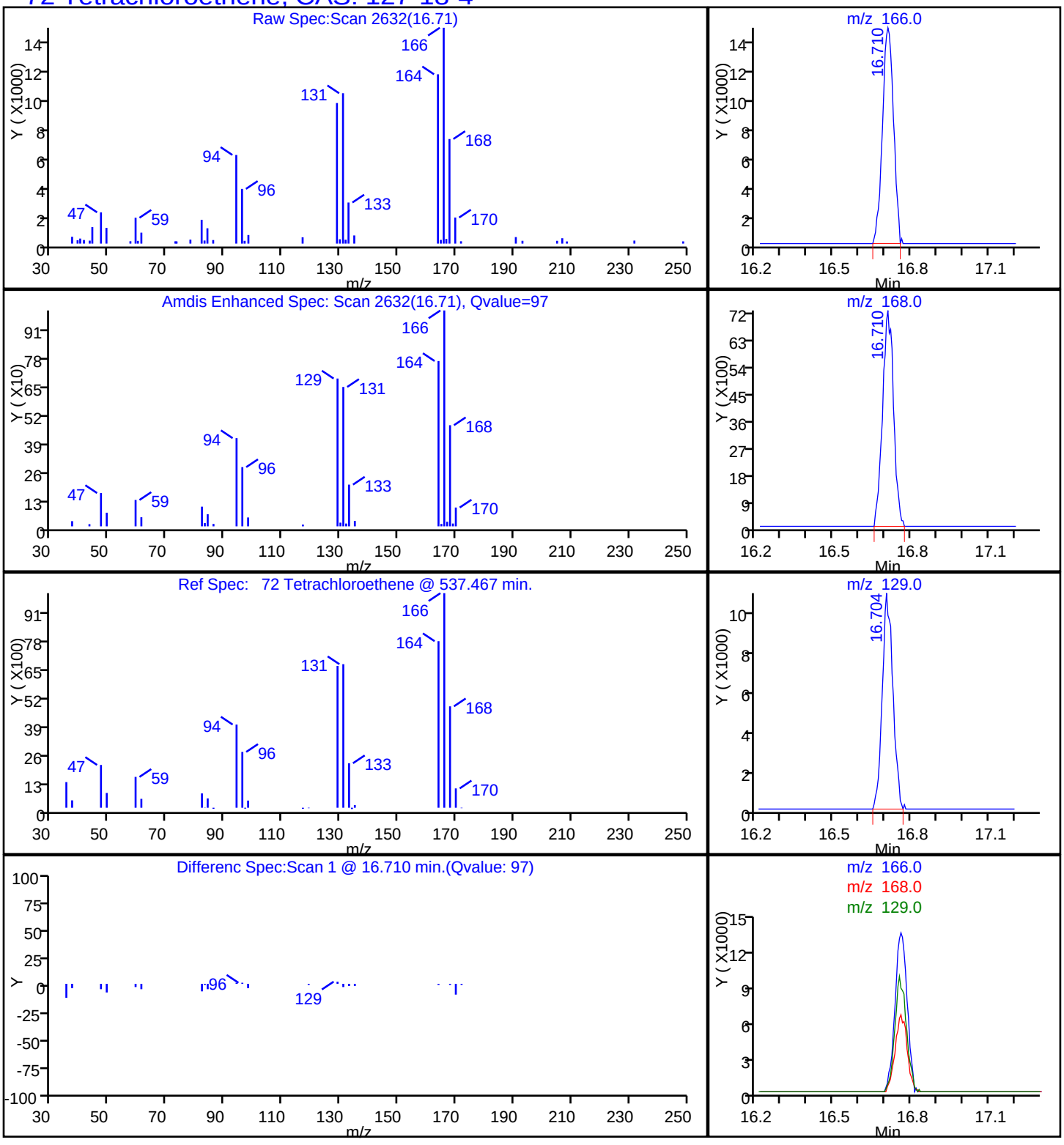
Report Date: 23-Jul-2014 12:23:49 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140722-8660.b\8660_027.D

Injection Date:	23-Jul-2014 08:38:30	Instrument ID:	CHG.i		
Lims ID:	280-58004-A-5	Lab Sample ID:	200-58004-5		
Client ID:	786IA12				
Operator ID:	pad	ALS Bottle#:	26	Worklist Smp#:	27
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

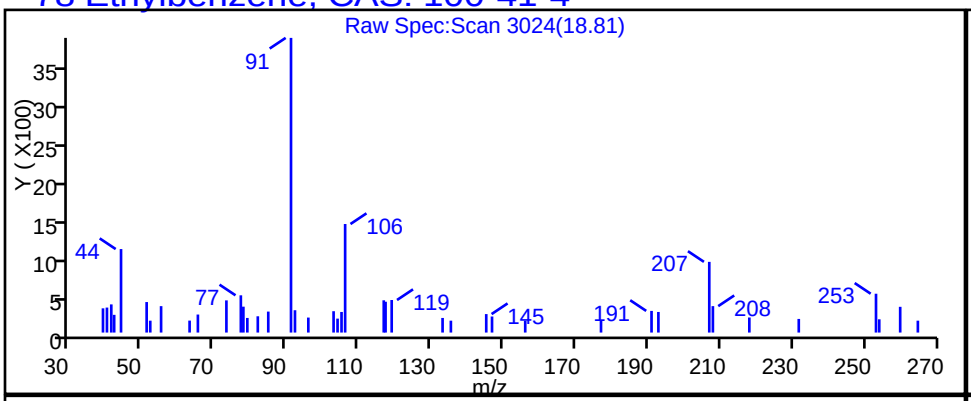
72 Tetrachloroethene, CAS: 127-18-4

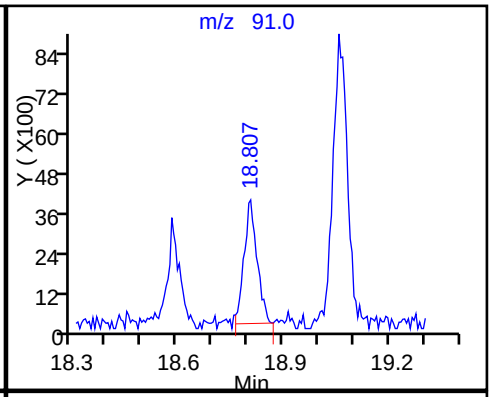


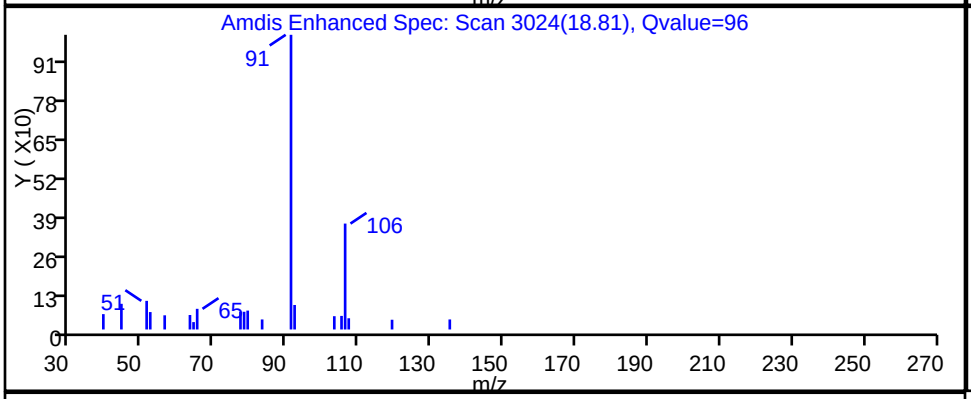
TestAmerica Burlington

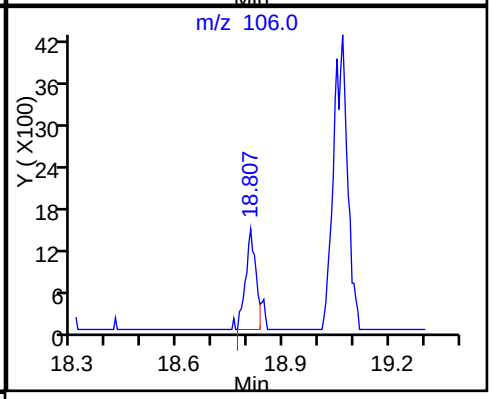
Data File:	\\BTV-LIMS1\ChromData\CHG.i\20140722-8660.b\8660_027.D				
Injection Date:	23-Jul-2014 08:38:30	Instrument ID:	CHG.i		
Lims ID:	280-58004-A-5	Lab Sample ID:	200-58004-5		
Client ID:	786IA12				
Operator ID:	pad	ALS Bottle#:	26	Worklist Smp#:	27
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

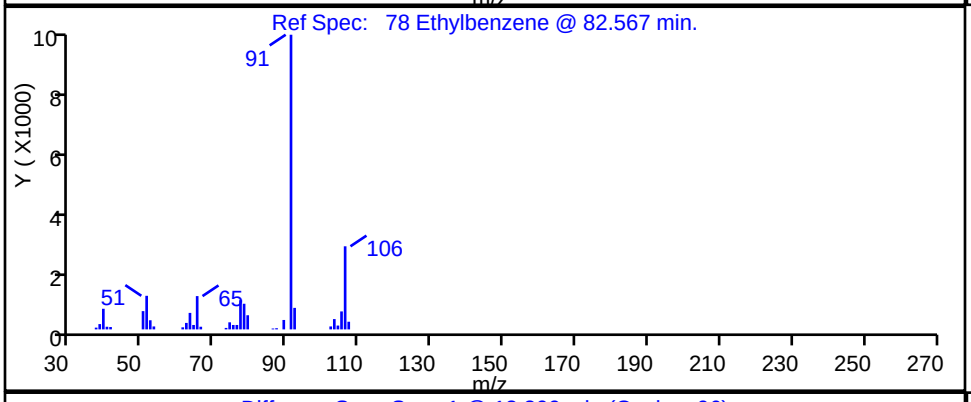
78 Ethylbenzene, CAS: 100-41-4

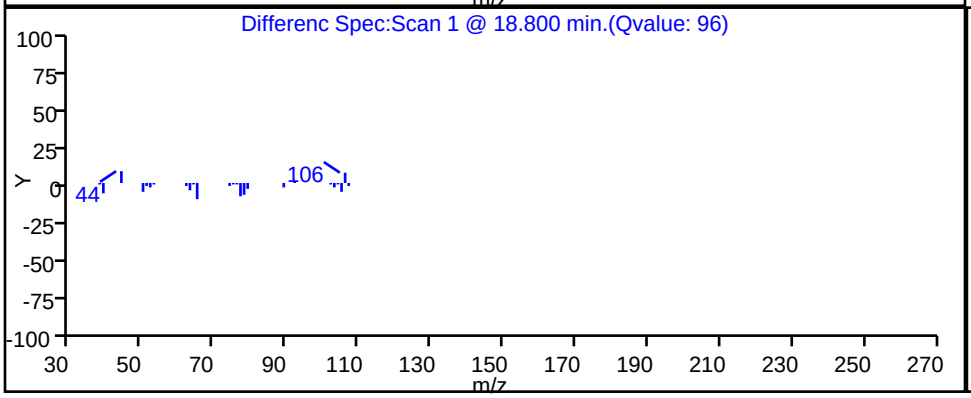


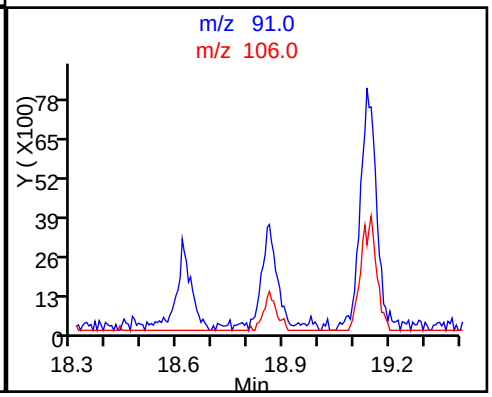












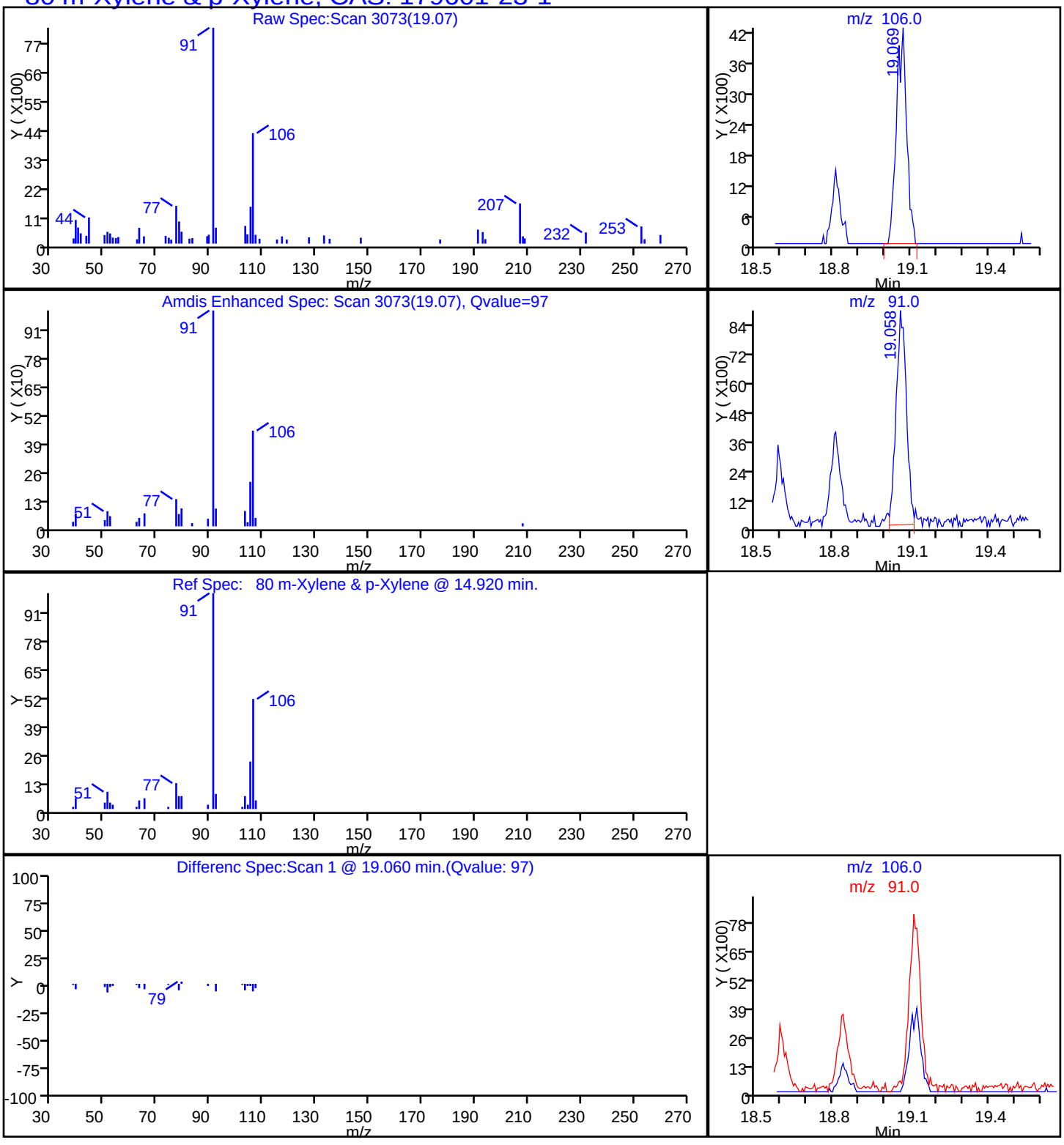
Report Date: 23-Jul-2014 12:23:49 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140722-8660.b\8660_027.D

Injection Date:	23-Jul-2014 08:38:30	Instrument ID:	CHG.i		
Lims ID:	280-58004-A-5	Lab Sample ID:	200-58004-5		
Client ID:	786IA12				
Operator ID:	pad	ALS Bottle#:	26	Worklist Smp#:	27
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

80 m-Xylene & p-Xylene, CAS: 179601-23-1



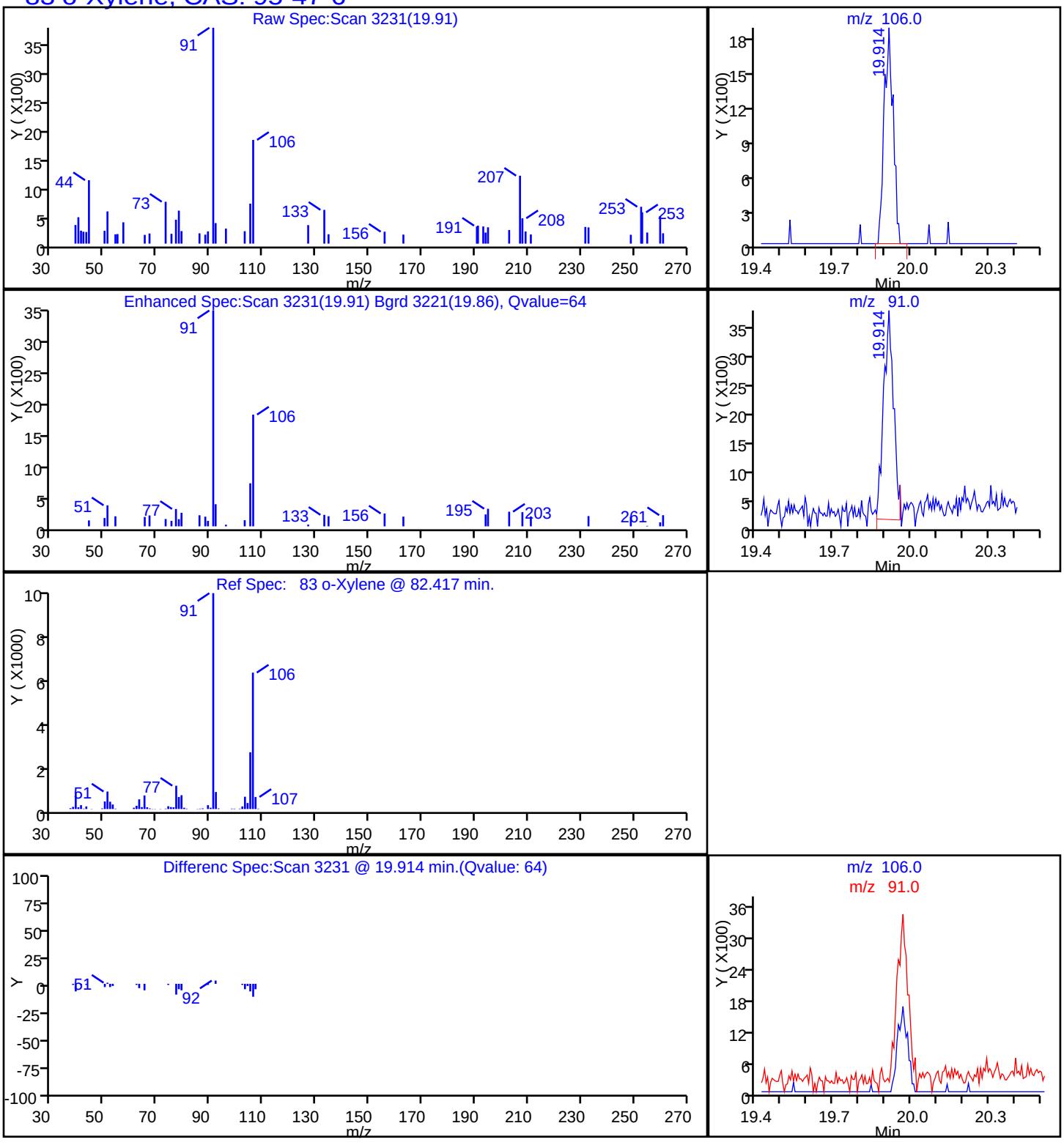
Report Date: 23-Jul-2014 12:23:49 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140722-8660.b\8660_027.D

Injection Date:	23-Jul-2014 08:38:30	Instrument ID:	CHG.i		
Lims ID:	280-58004-A-5	Lab Sample ID:	200-58004-5		
Client ID:	786IA12				
Operator ID:	pad	ALS Bottle#:	26	Worklist Smp#:	27
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

83 o-Xylene, CAS: 95-47-6



Report Date: 23-Jul-2014 12:23:50 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

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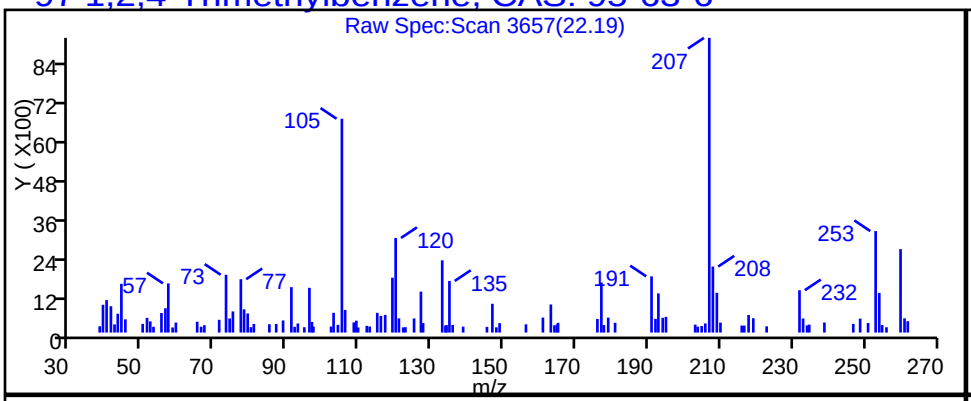
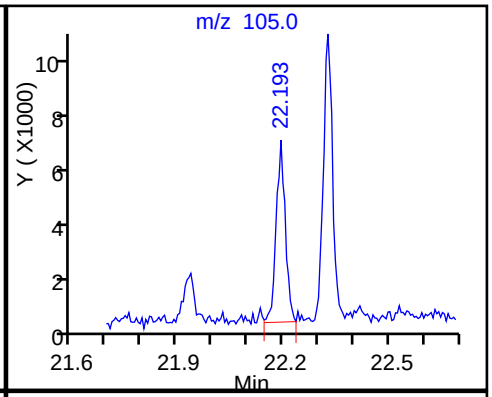
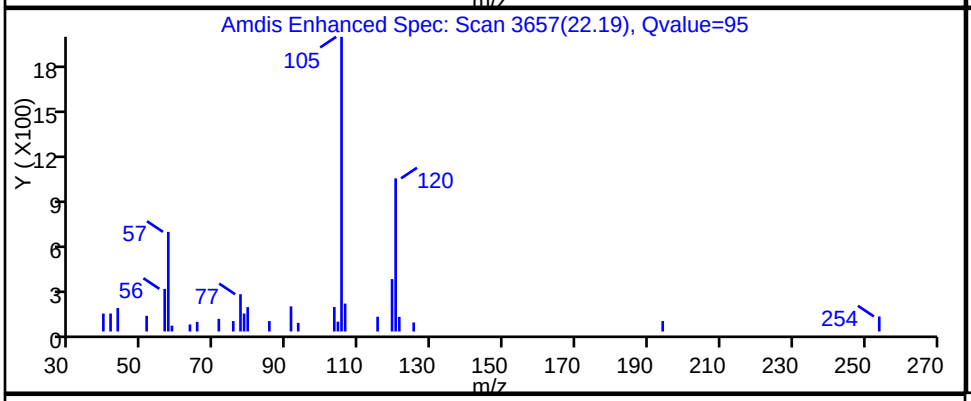
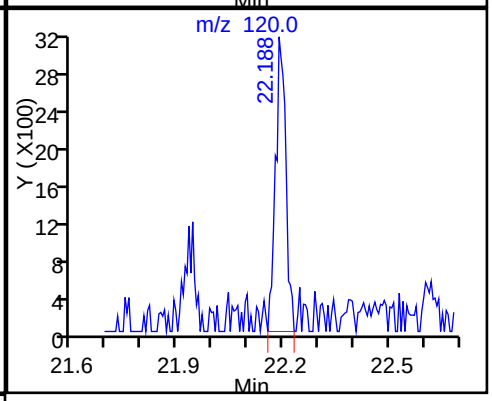
Injection Date:	23-Jul-2014 08:38:30	Instrument ID:	CHG.i		
Lims ID:	280-58004-A-5	Lab Sample ID:	200-58004-5		
Client ID:	786IA12				
Operator ID:	pad	ALS Bottle#:	26	Worklist Smp#:	27
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

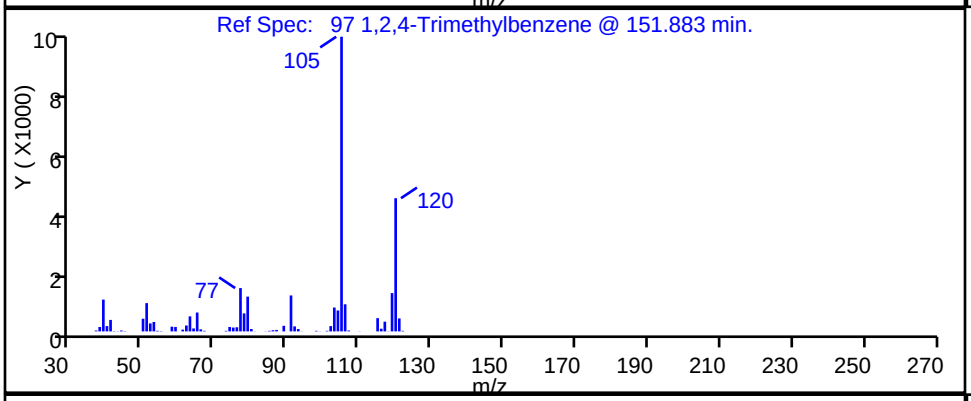
97 1,2,4-Trimethylbenzene, CAS: 95-63-6

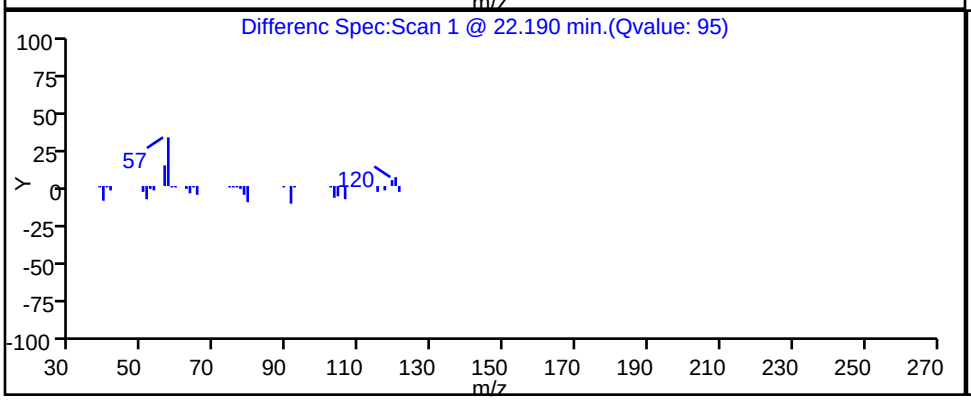


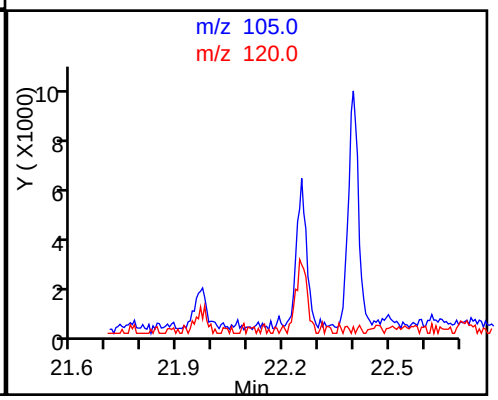












Manual Integration/User Assign Peak Report

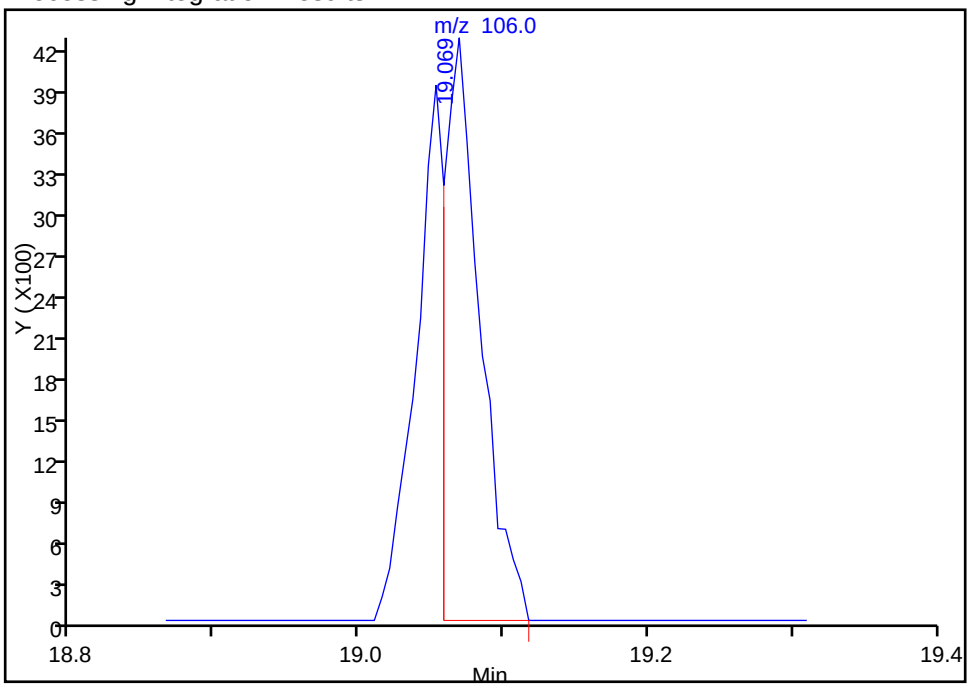
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHG.i\20140722-8660.b\8660_027.D				
Injection Date:	23-Jul-2014 08:38:30	Instrument ID:	CHG.i		
Lims ID:	280-58004-A-5	Lab Sample ID:	200-58004-5		
Client ID:	786IA12				
Operator ID:	pad	ALS Bottle#:	26	Worklist Smp#:	27
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

80 m-Xylene & p-Xylene, CAS: 179601-23-1

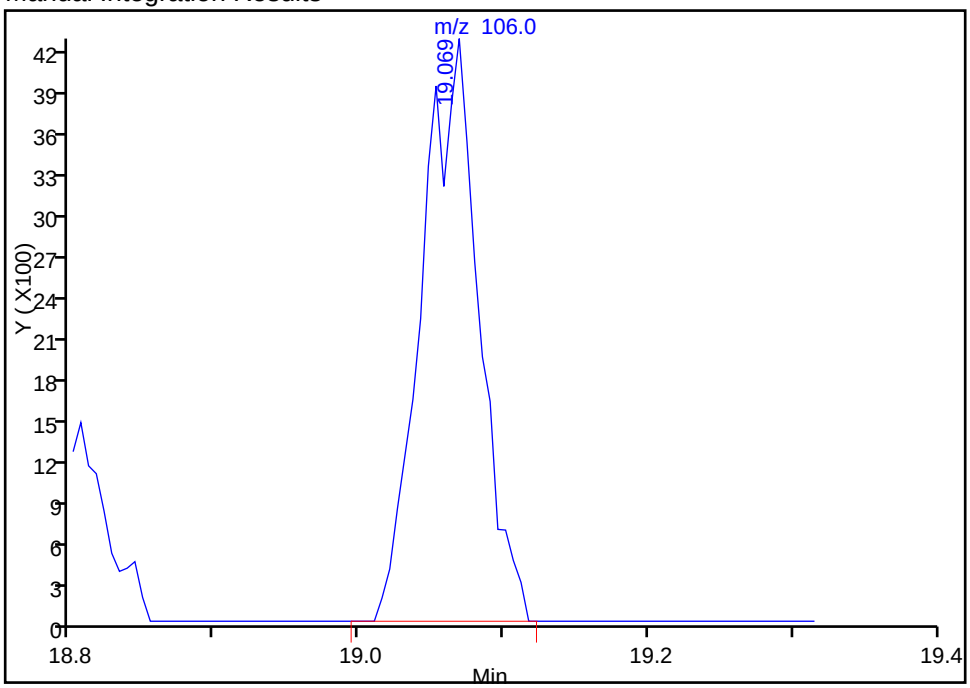
Processing Integration Results

RT: 19.07
Response: 7276
Amount: 0.043458



Manual Integration Results

RT: 19.07
Response: 11610
Amount: 0.069344



Reviewer: daiglep, 23-Jul-2014 12:21:37
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

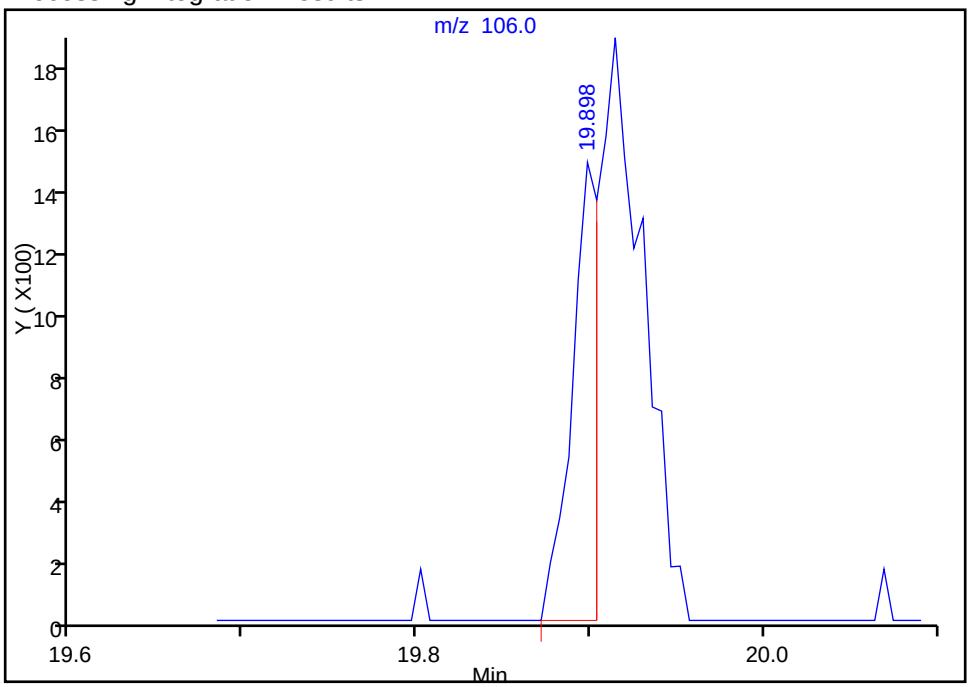
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHG.i\20140722-8660.b\8660_027.D				
Injection Date:	23-Jul-2014 08:38:30	Instrument ID:	CHG.i		
Lims ID:	280-58004-A-5	Lab Sample ID:	200-58004-5		
Client ID:	786IA12				
Operator ID:	pad	ALS Bottle#:	26	Worklist Smp#:	27
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

83 o-Xylene, CAS: 95-47-6

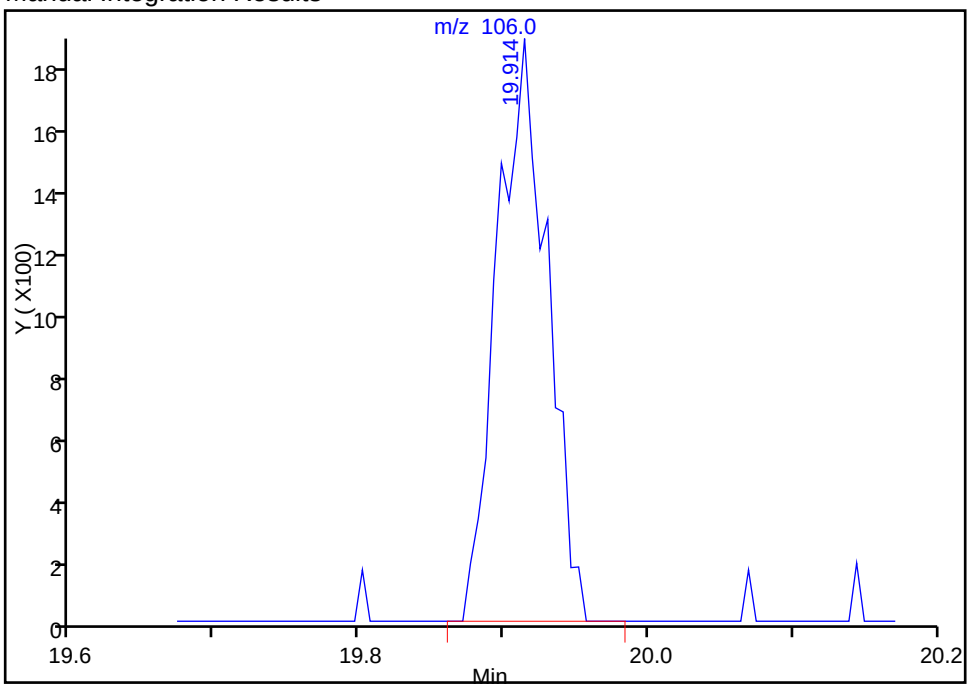
Processing Integration Results

RT: 19.90
Response: 1533
Amount: 0.008702



Manual Integration Results

RT: 19.91
Response: 4351
Amount: 0.024698



Reviewer: daiglep, 23-Jul-2014 12:21:37
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

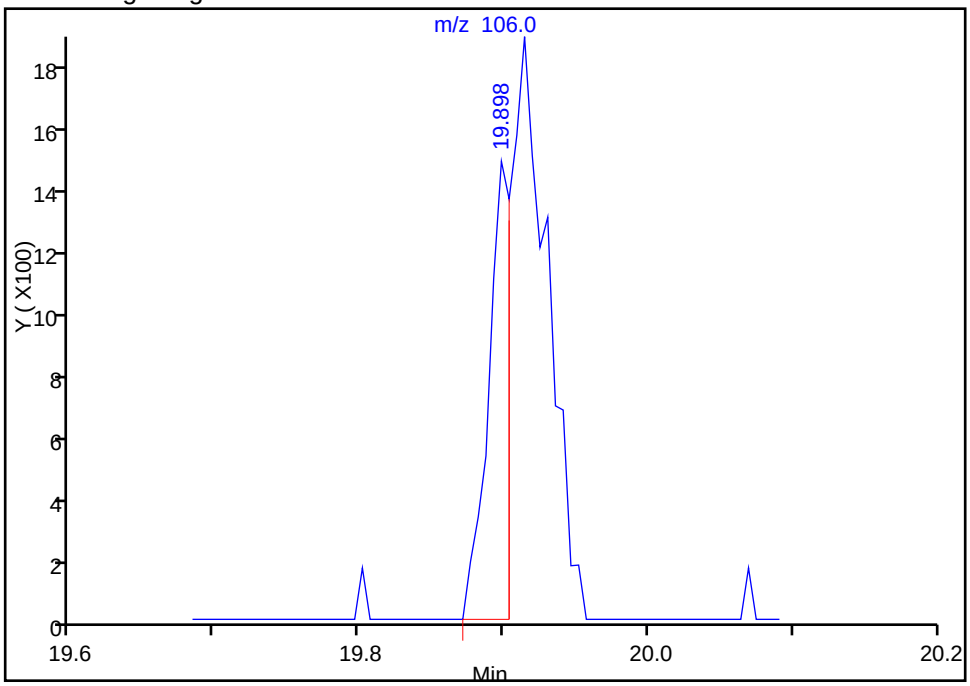
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHG.i\20140722-8660.b\8660_027.D				
Injection Date:	23-Jul-2014 08:38:30	Instrument ID:	CHG.i		
Lims ID:	280-58004-A-5	Lab Sample ID:	200-58004-5		
Client ID:	786IA12				
Operator ID:	pad	ALS Bottle#:	26	Worklist Smp#:	27
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

83 o-Xylene, CAS: 95-47-6

Processing Integration Results

RT: 19.91
Response: 0
Amount: 0.008702



Manual Integration Results

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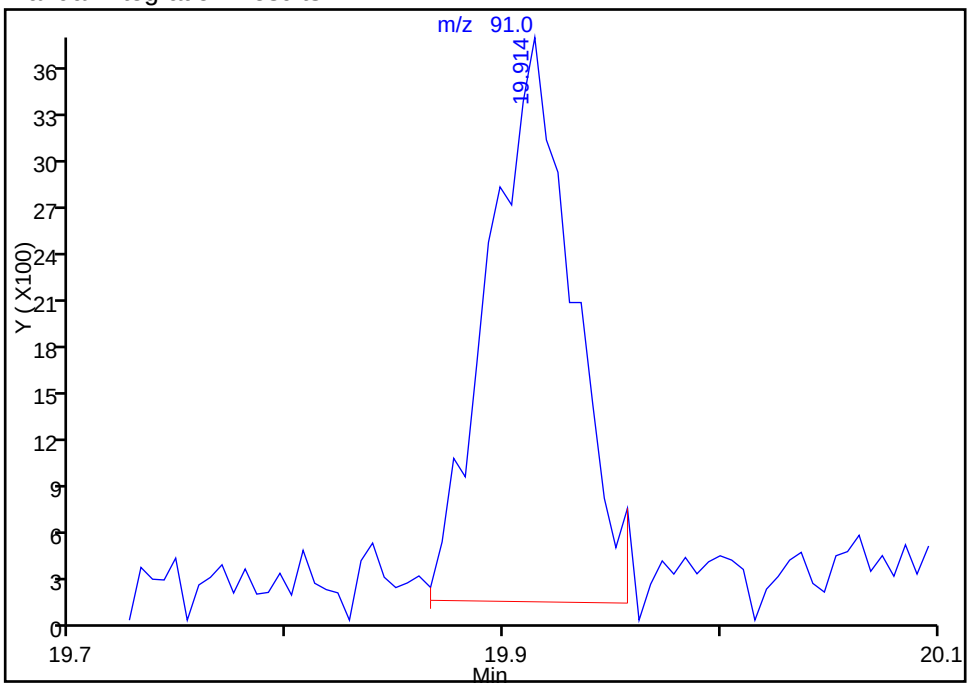
Response: 9836
Amount: 0.024698



Reviewer: daiglep, 23-Jul-2014 12:21:37
Audit Action: Manually Integrated
Audit Reason: Baseline Event

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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Client Sample ID: 785786OA09 Lab Sample ID: 280-58004-6

Matrix: Air Lab File ID: 8677_024.D

Analysis Method: TO-15 Date Collected: 07/17/2014 10:40

Sample wt/vol: 200(mL) Date Analyzed: 07/24/2014 03:20

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.: 75211 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	0.51		0.50	0.030
75-45-6	Freon 22	86.47	0.24	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	0.57		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	0.22		0.20	0.030
76-13-1	Freon TF	187.38	0.071	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	2.6	J	5.0	1.3
67-63-0	Isopropyl alcohol	60.10	0.44	J	5.0	0.22
75-15-0	Carbon disulfide	76.14	0.19	J	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	J	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	0.44	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	0.047	J	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	0.044	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.: 280-58004-1

SDG No.:

Client Sample ID: 785786OA09 Lab Sample ID: 280-58004-6

Matrix: Air Lab File ID: 8677_024.D

Analysis Method: TO-15 Date Collected: 07/17/2014 10:40

Sample wt/vol: 200(mL) Date Analyzed: 07/24/2014 03:20

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.: 75211 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	0.15	J	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	0.033	J	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	0.015	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.: 280-58004-1

SDG No.:

Client Sample ID: 785786OA09 Lab Sample ID: 280-58004-6

Matrix: Air Lab File ID: 8677_024.D

Analysis Method: TO-15 Date Collected: 07/17/2014 10:40

Sample wt/vol: 200(mL) Date Analyzed: 07/24/2014 03:20

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.: 75211 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.: 280-58004-1

SDG No.:

Client Sample ID: 785786OA09 Lab Sample ID: 280-58004-6

Matrix: Air Lab File ID: 8677_024.D

Analysis Method: TO-15 Date Collected: 07/17/2014 10:40

Sample wt/vol: 200(mL) Date Analyzed: 07/24/2014 03:20

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.: 75211 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	2.5		2.5	0.15
75-45-6	Freon 22	86.47	0.84	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	1.2		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	1.2		1.1	0.17
76-13-1	Freon TF	187.38	0.54	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	6.2	J	12	3.0
67-63-0	Isopropyl alcohol	60.10	1.1	J	12	0.53
75-15-0	Carbon disulfide	76.14	0.59	J	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	0.68	J	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	1.3	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	0.30	J	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	0.14	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.: 280-58004-1

SDG No.:

Client Sample ID: 785786OA09 Lab Sample ID: 280-58004-6

Matrix: Air Lab File ID: 8677_024.D

Analysis Method: TO-15 Date Collected: 07/17/2014 10:40

Sample wt/vol: 200(mL) Date Analyzed: 07/24/2014 03:20

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.: 75211 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	0.58	J	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	0.14	J	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	0.073	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.: 280-58004-1

SDG No.:

Client Sample ID: 785786OA09 Lab Sample ID: 280-58004-6

Matrix: Air Lab File ID: 8677_024.D

Analysis Method: TO-15 Date Collected: 07/17/2014 10:40

Sample wt/vol: 200(mL) Date Analyzed: 07/24/2014 03:20

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.: 75211 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\CHC.i\20140723-8677.b\8677_024.D
Lims ID: 280-58004-A-6 Lab Sample ID: 200-58004-6
Client ID: 785786OA09
Sample Type: Client
Inject. Date: 24-Jul-2014 03:20:30 ALS Bottle#: 7 Worklist Smp#: 24
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0008677-024
Misc. Info.: 58004-06
Operator ID: bpl Instrument ID: CHC.i

Method: \\BTV-LIMS1\ChromData\CHC.i\20140723-8677.b\TO15_LLNJ_TO3_CHC.m
Limit Group: AI_TO15_ICAL
Last Update: 24-Jul-2014 10:20:24 Calib Date: 18-Jul-2014 09:36:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\8605_018.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK034

First Level Reviewer: lyonsb Date: 24-Jul-2014 10:19:53

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	3.069	3.079	-0.010	99	19773	0.5113	
6 Chlorodifluoromethane	51	3.127	3.132	-0.005	96	4099	0.2368	
7 1,2-Dichloro-1,1,2,2-tetra	85		3.351				ND	
8 Chloromethane	50	3.485	3.495	-0.010	98	5208	0.5662	
9 Butane	43		3.698				ND	
10 Vinyl chloride	62		3.746				ND	
11 Butadiene	54		3.832				ND	
12 Bromomethane	94		4.536				ND	
13 Chloroethane	64		4.792				ND	
15 Vinyl bromide	106		5.192				ND	
16 Trichlorofluoromethane	101	5.289	5.294	-0.005	95	9157	0.2215	
23 1,1,2-Trichloro-1,2,2-trif	101	6.420	6.425	-0.005	28	1642	0.0710	
24 1,1-Dichloroethene	96		6.463				ND	
25 Acetone	43	6.740	6.740	0.000	87	39169	2.60	
26 Carbon disulfide	76	6.831	6.842	-0.011	99	6054	0.1896	
27 Isopropyl alcohol	45	7.077	7.071	0.006	97	5244	0.4370	
29 3-Chloro-1-propene	41		7.285				ND	
31 Methylene Chloride	49	7.584	7.589	-0.005	82	2073	0.1950	
32 2-Methyl-2-propanol	59		7.861				ND	
33 Methyl tert-butyl ether	73		8.005				ND	
34 trans-1,2-Dichloroethene	61		8.037				ND	
36 Hexane	57		8.427				ND	
37 1,1-Dichloroethane	63		8.934				ND	
39 cis-1,2-Dichloroethene	96		10.081				ND	
40 2-Butanone (MEK)	72	10.156	10.156	0.000	52	2916	0.4397	
S 41 1,2-Dichloroethene, Total	61		10.200				0	
* 43 Chlorobromomethane	128	10.546	10.551	-0.005	85	124856	10.0	
44 Tetrahydrofuran	42		10.567				ND	
45 Chloroform	83		10.695				ND	
46 Cyclohexane	84		10.919				ND	
47 1,1,1-Trichloroethane	97		10.956				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
48 Carbon tetrachloride	117	11.207	11.207	0.000	77	1776	0.0472	
51 Isooctane	57		11.655				ND	
50 Benzene	78	11.688	11.693	-0.005	1	1842	0.0436	
52 1,2-Dichloroethane	62		11.896				ND	
53 n-Heptane	43		12.061				ND	
* 54 1,4-Difluorobenzene	114	12.563	12.568	-0.005	95	666925	10.0	
56 Trichloroethene	95		13.032				ND	
58 1,2-Dichloropropane	63		13.614				ND	
59 Methyl methacrylate	69		13.801				ND	
60 1,4-Dioxane	88		13.860				ND	
62 Dichlorobromomethane	83		14.180				ND	
64 cis-1,3-Dichloropropene	75		15.130				ND	
65 4-Methyl-2-pentanone (MIBK	43		15.434				ND	
66 Toluene	92	15.712	15.712	0.000	96	5828	0.1533	
70 trans-1,3-Dichloropropene	75		16.331				ND	
71 1,1,2-Trichloroethane	83		16.704				ND	
72 Tetrachloroethene	166		16.790				ND	
73 2-Hexanone	43		17.163				ND	
74 Chlorodibromomethane	129		17.462				ND	
75 Ethylene Dibromide	107		17.729				ND	
* 76 Chlorobenzene-d5	117	18.620	18.620	0.000	89	671537	10.0	
77 Chlorobenzene	112		18.684				ND	
78 Ethylbenzene	91		18.834				ND	
81 m-Xylene & p-Xylene	106	19.090	19.084	0.006	89	1048	0.0332	
83 o-Xylene	106	19.928	19.922	0.006	1	228	0.006941	
84 Styrene	104		19.976				ND	
S 82 Xylenes, Total	106				0		0.0402	
85 Bromoform	173		20.392				ND	
86 Isopropylbenzene	105		20.595				ND	
$ 87 4-Bromofluorobenzene	95	20.958	20.963	-0.005	93	512995	NC	
88 1,1,2,2-Tetrachloroethane	83		21.251				ND	
90 N-Propylbenzene	91		21.310				ND	
91 4-Ethyltoluene	105		21.497				ND	
92 2-Chlorotoluene	91		21.502				ND	
94 1,3,5-Trimethylbenzene	105		21.603				ND	
96 tert-Butylbenzene	119		22.084				ND	
97 1,2,4-Trimethylbenzene	105	22.180	22.180	0.000	89	1174	0.0149	
98 sec-Butylbenzene	105		22.404				ND	
99 4-Isopropyltoluene	119		22.607				ND	
100 1,3-Dichlorobenzene	146		22.633				ND	
101 1,4-Dichlorobenzene	146		22.772				ND	
102 Benzyl chloride	91		22.970				ND	
103 n-Butylbenzene	91		23.173				ND	
105 1,2-Dichlorobenzene	146		23.301				ND	
107 1,2,4-Trichlorobenzene	180		25.798				ND	
108 Hexachlorobutadiene	225		25.980				ND	
109 Naphthalene	128		26.289				ND	

QC Flag Legend

Processing Flags
NC - Not Calibrated
ND - Not Detected or Marked ND

Reagents:

ATTO15CISs_00006 Amount Added: 20.00 Units: mL Run Reagent

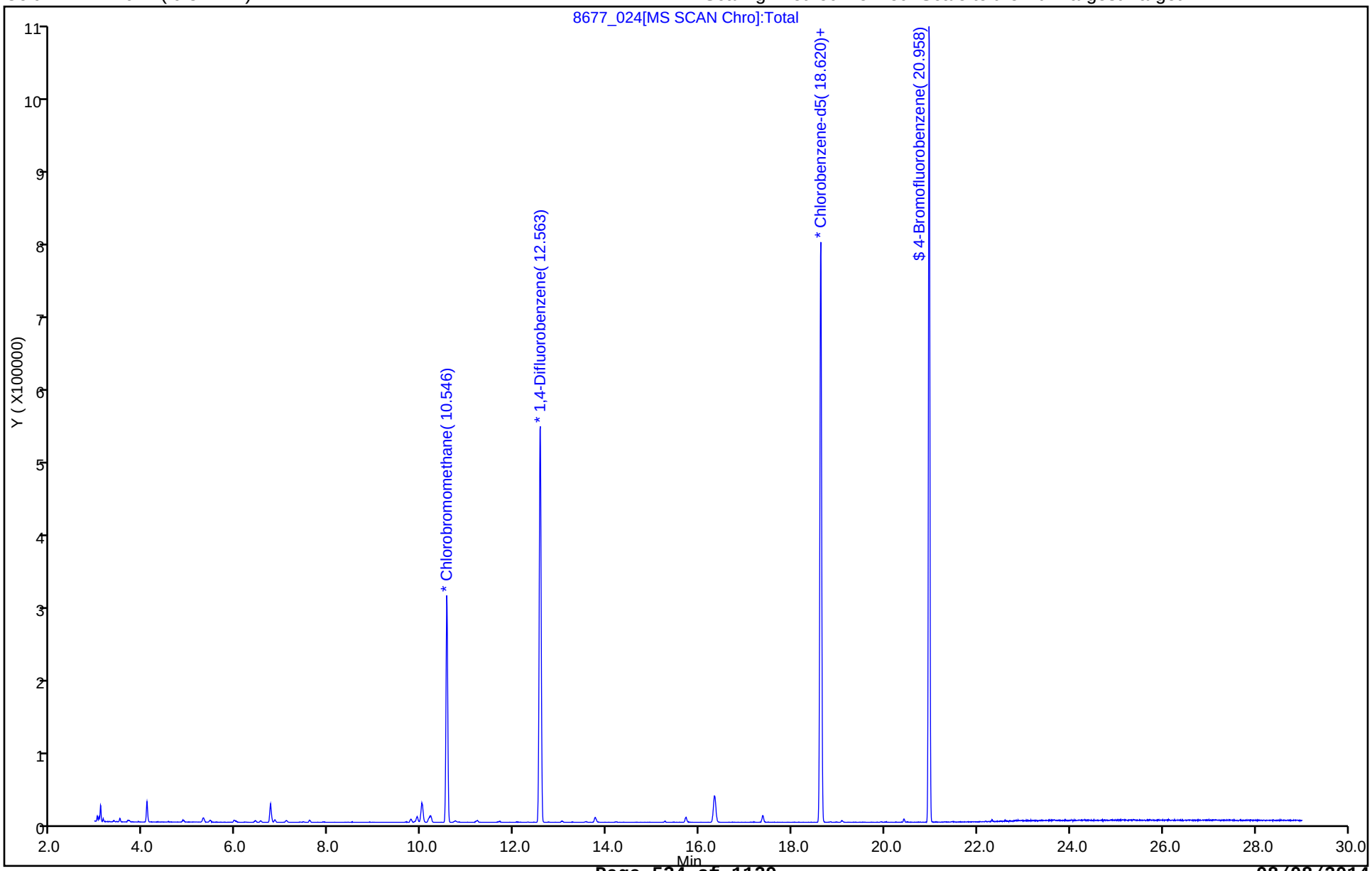
Report Date: 24-Jul-2014 10:21:03 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140723-8677.b\8677_024.D

Injection Date:	24-Jul-2014 03:20:30	Instrument ID:	CHC.i	Operator ID:	bpl
Lims ID:	280-58004-A-6	Lab Sample ID:	200-58004-6	Worklist Smp#:	24
Client ID:	785786OA09				
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	7
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



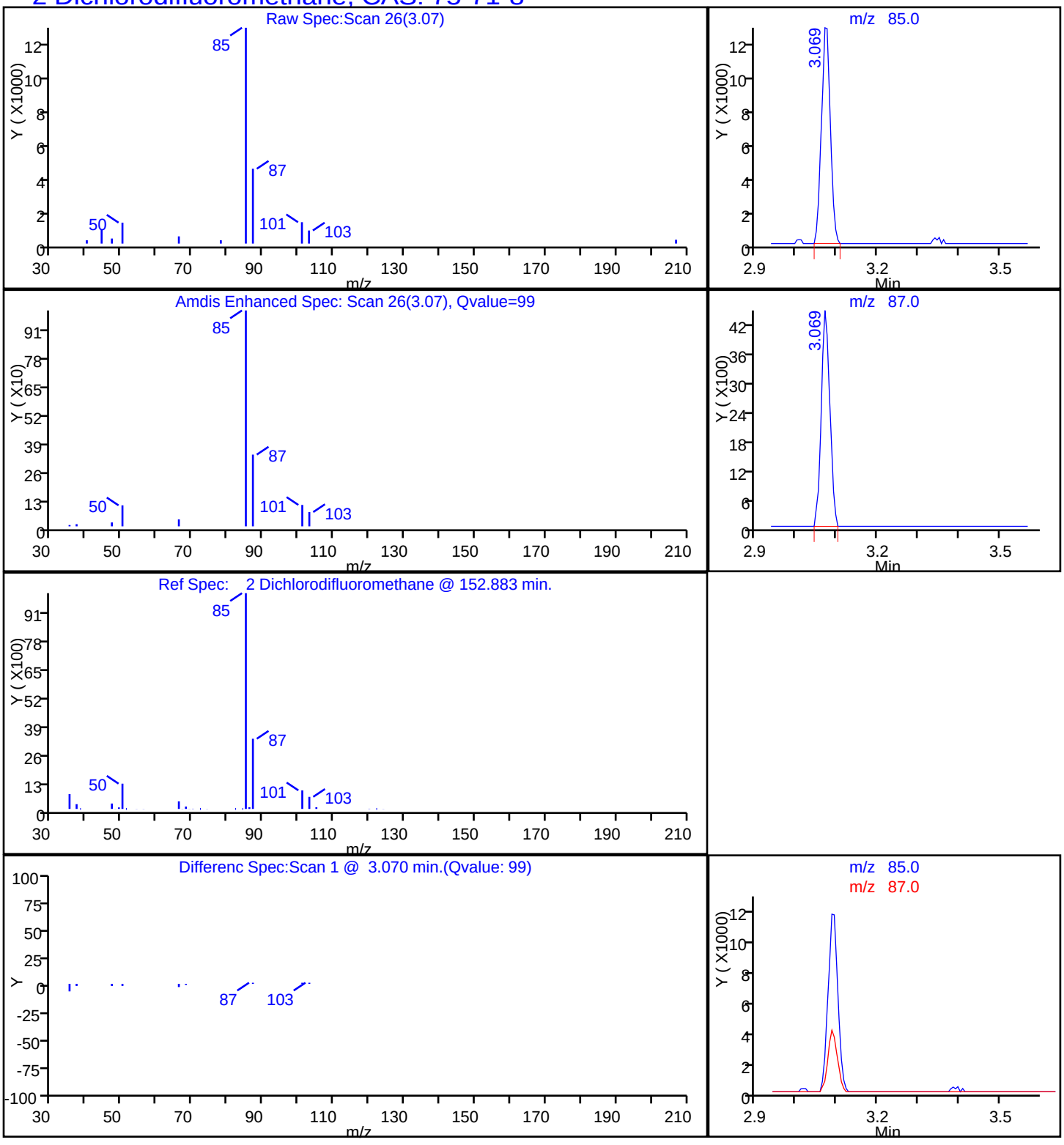
Report Date: 24-Jul-2014 10:21:03 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140723-8677.b\8677_024.D

Injection Date:	24-Jul-2014 03:20:30	Instrument ID:	CHC.i		
Lims ID:	280-58004-A-6	Lab Sample ID:	200-58004-6		
Client ID:	785786OA09				
Operator ID:	bpl	ALS Bottle#:	7	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

2 Dichlorodifluoromethane, CAS: 75-71-8

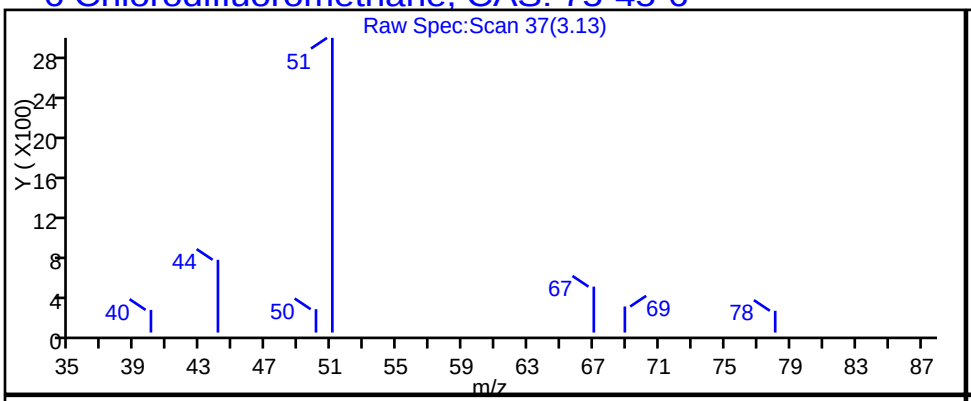


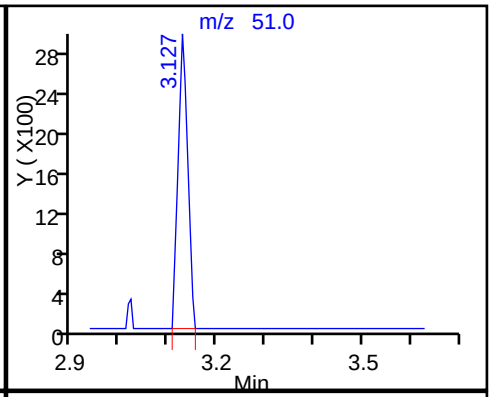
TestAmerica Burlington

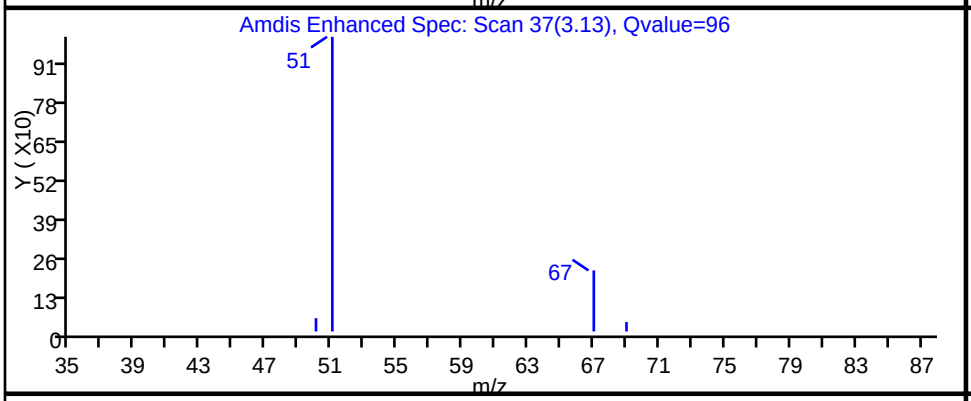
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140723-8677.b\8677_024.D

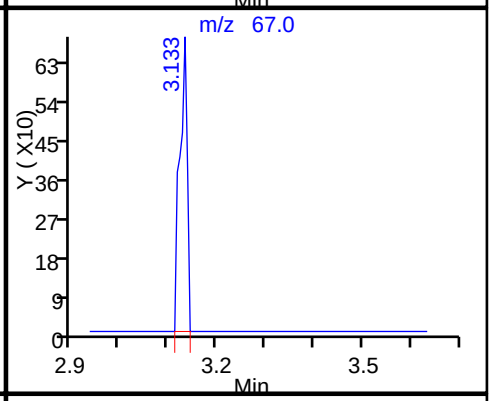
Injection Date:	24-Jul-2014 03:20:30	Instrument ID:	CHC.i		
Lims ID:	280-58004-A-6	Lab Sample ID:	200-58004-6		
Client ID:	785786OA09				
Operator ID:	bpl	ALS Bottle#:	7	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

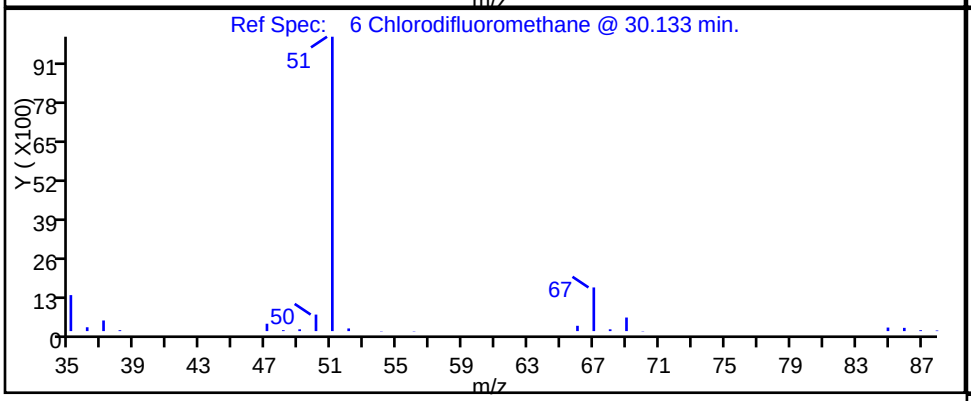
6 Chlorodifluoromethane, CAS: 75-45-6

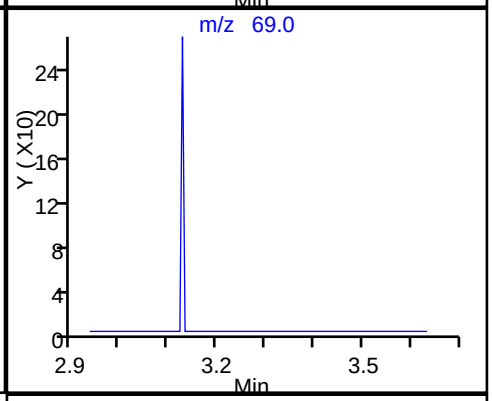


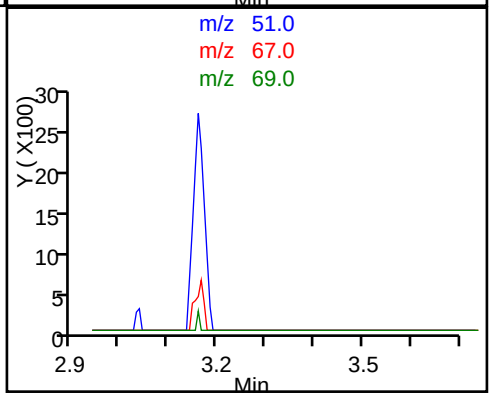












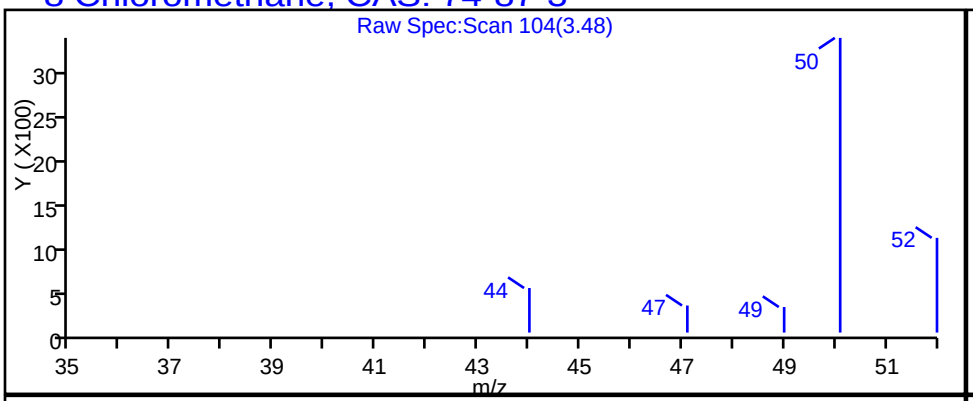
Report Date: 24-Jul-2014 10:21:03 Chrom Revision: 2.2 24-Jun-2014 07:21:42

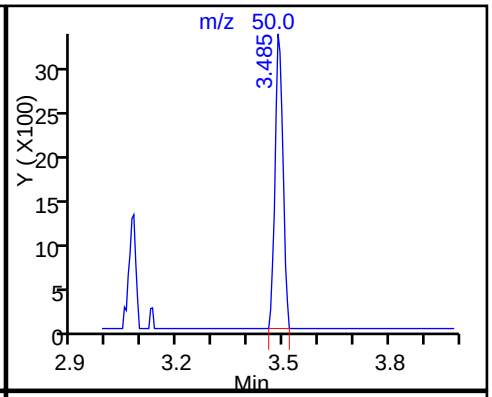
TestAmerica Burlington

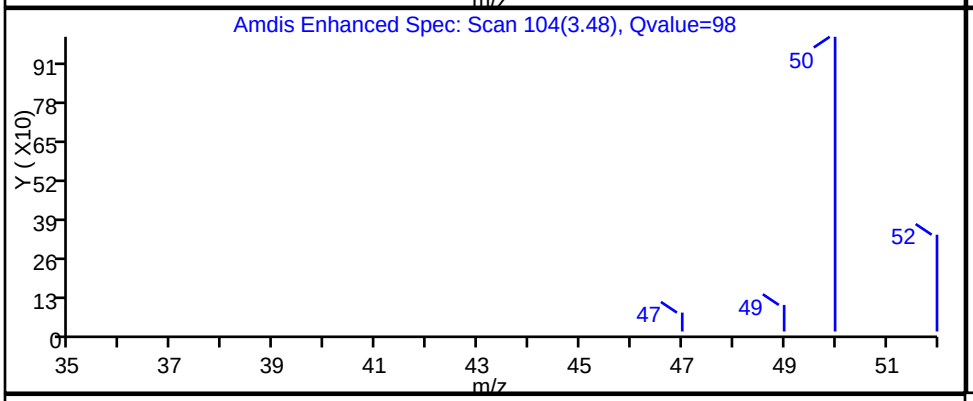
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140723-8677.b\8677_024.D

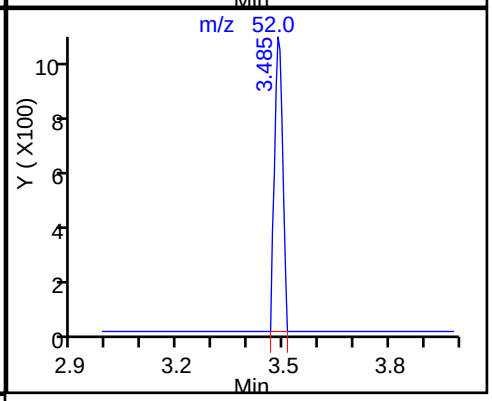
Injection Date:	24-Jul-2014 03:20:30	Instrument ID:	CHC.i		
Lims ID:	280-58004-A-6	Lab Sample ID:	200-58004-6		
Client ID:	785786OA09				
Operator ID:	bpl	ALS Bottle#:	7	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

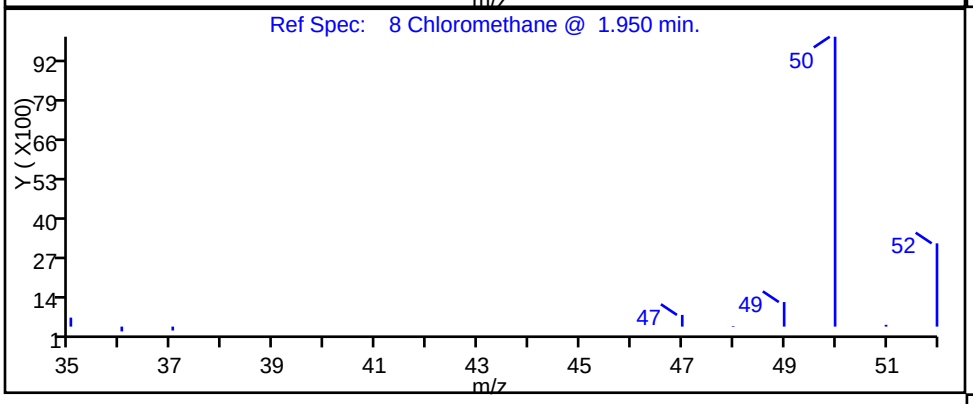
8 Chloromethane, CAS: 74-87-3

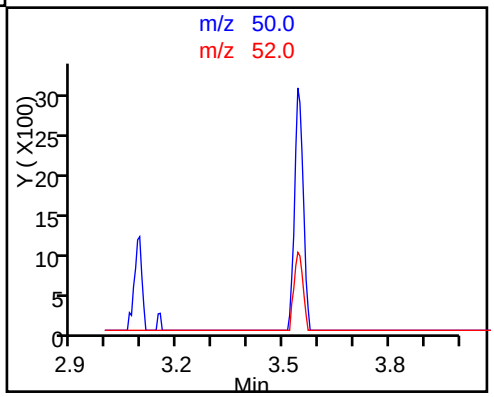








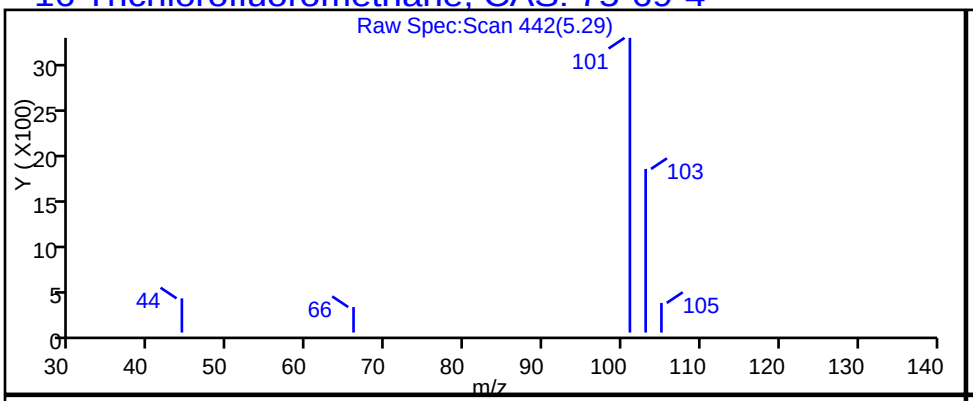


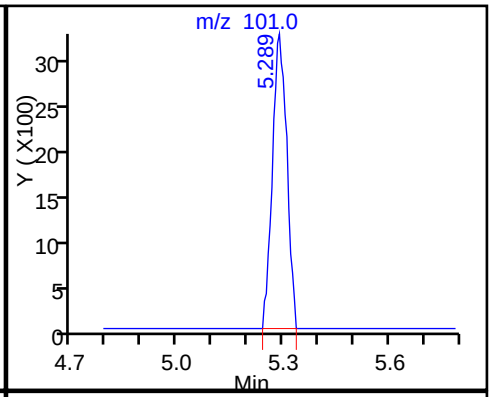


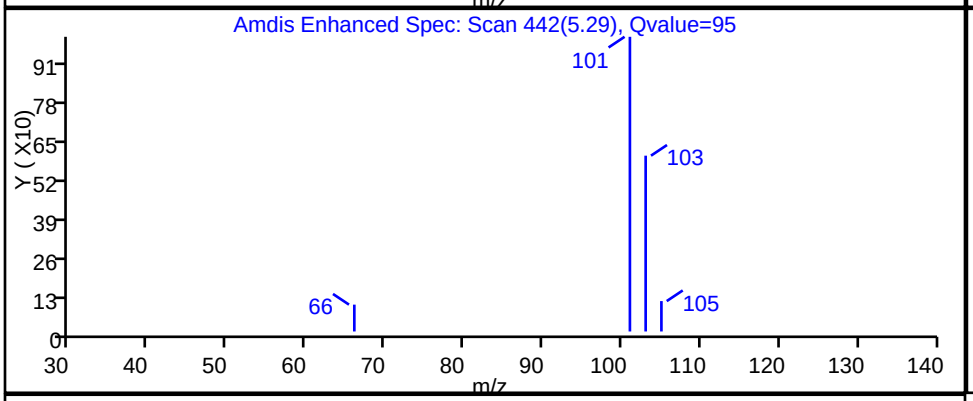
TestAmerica Burlington

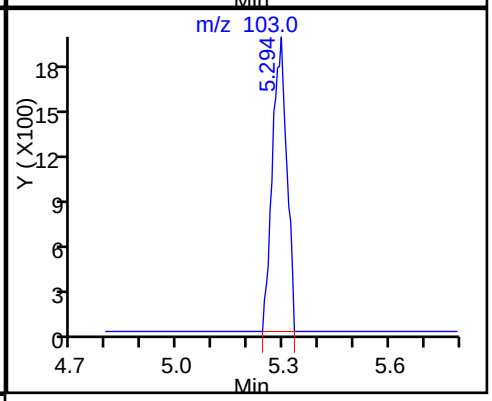
Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140723-8677.b\8677_024.D				
Injection Date:	24-Jul-2014 03:20:30	Instrument ID:	CHC.i		
Lims ID:	280-58004-A-6	Lab Sample ID:	200-58004-6		
Client ID:	785786OA09				
Operator ID:	bpl	ALS Bottle#:	7	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

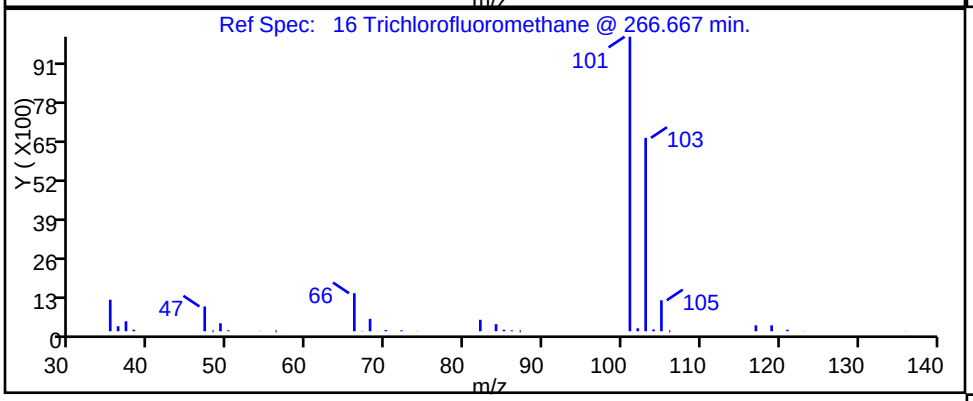
16 Trichlorofluoromethane, CAS: 75-69-4

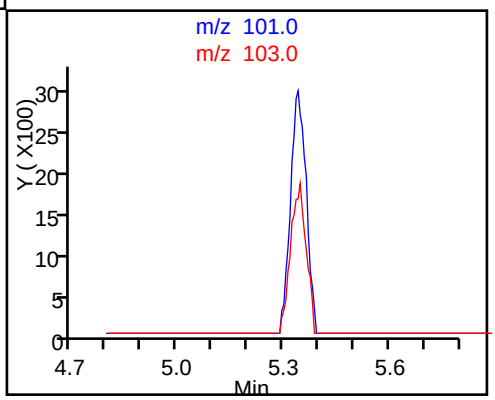












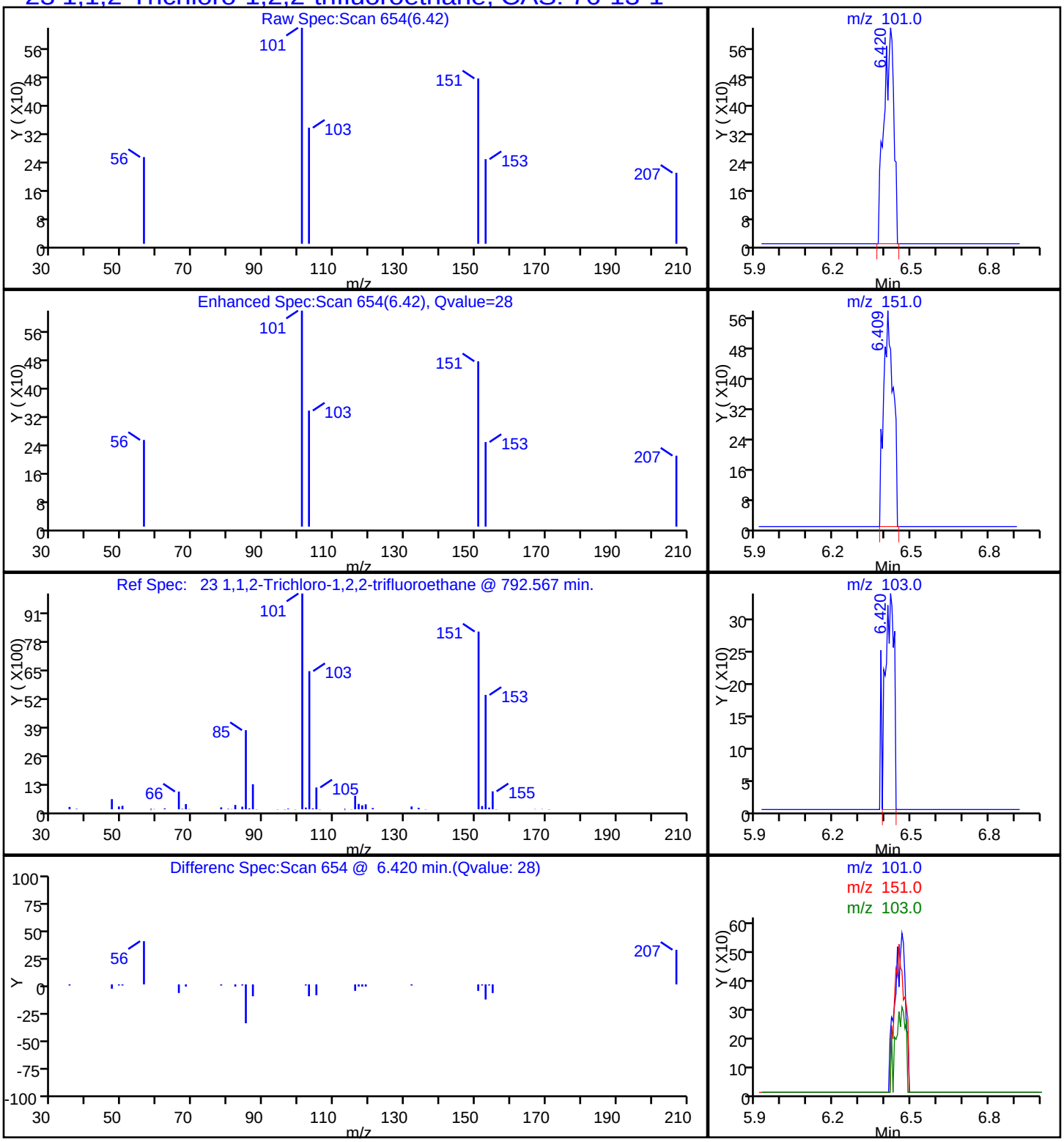
Report Date: 24-Jul-2014 10:21:03 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140723-8677.b\8677_024.D

Injection Date:	24-Jul-2014 03:20:30	Instrument ID:	CHC.i		
Lims ID:	280-58004-A-6	Lab Sample ID:	200-58004-6		
Client ID:	785786OA09				
Operator ID:	bpl	ALS Bottle#:	7	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	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



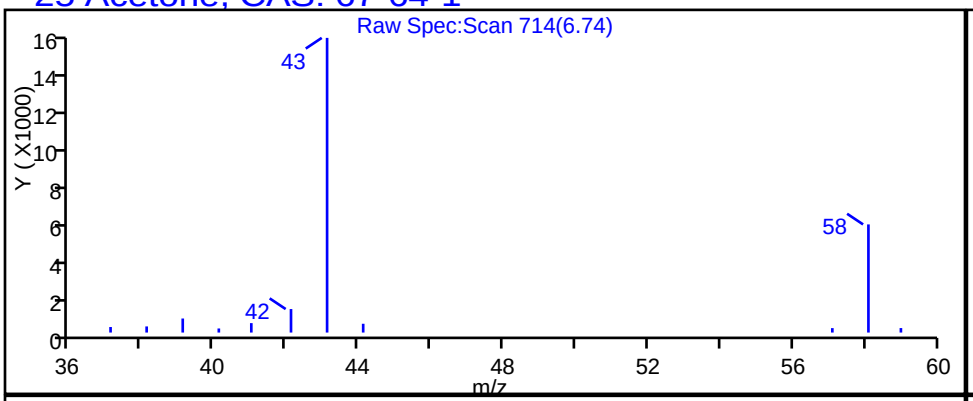
Report Date: 24-Jul-2014 10:21:03 Chrom Revision: 2.2 24-Jun-2014 07:21:42

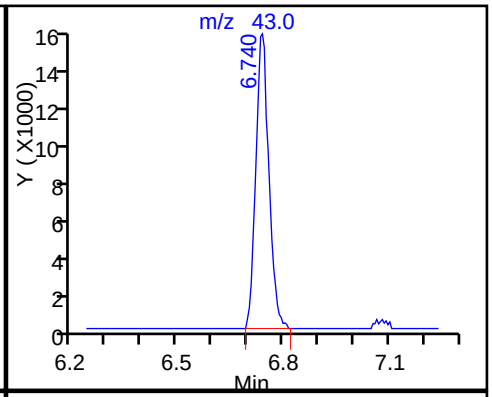
TestAmerica Burlington

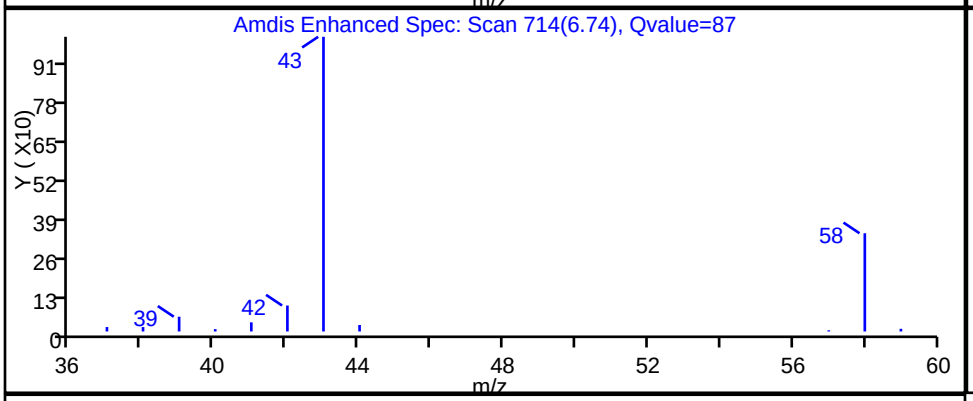
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140723-8677.b\8677_024.D

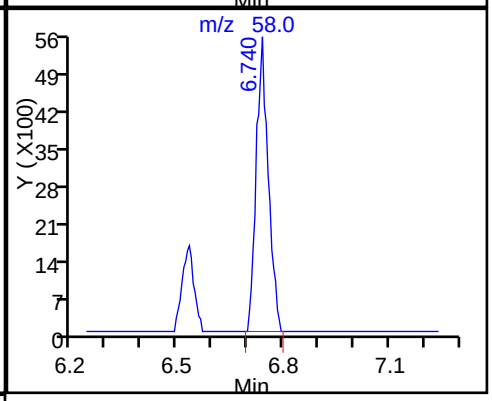
Injection Date:	24-Jul-2014 03:20:30	Instrument ID:	CHC.i		
Lims ID:	280-58004-A-6	Lab Sample ID:	200-58004-6		
Client ID:	785786OA09				
Operator ID:	bpl	ALS Bottle#:	7	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

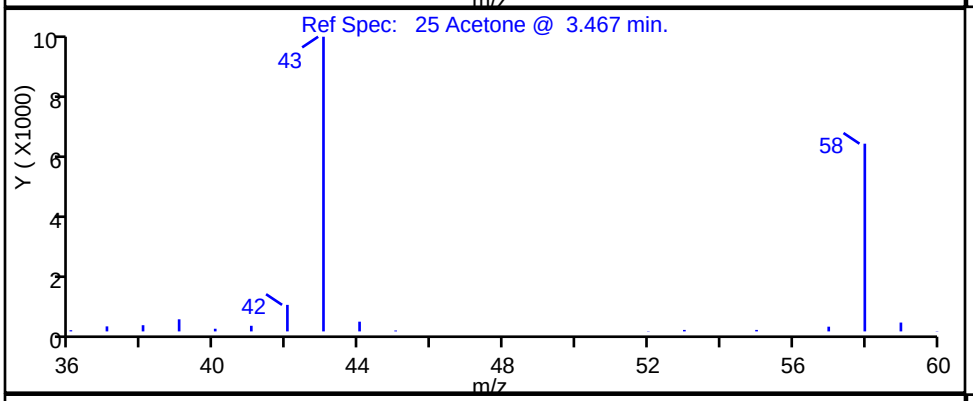
25 Acetone, CAS: 67-64-1

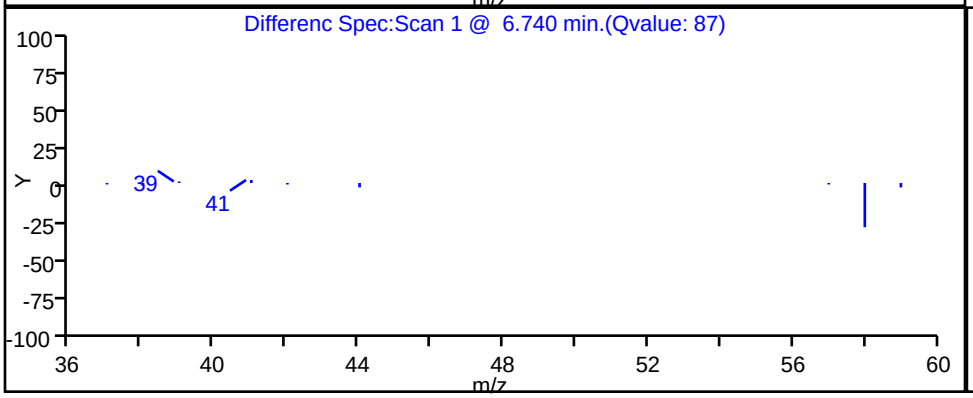


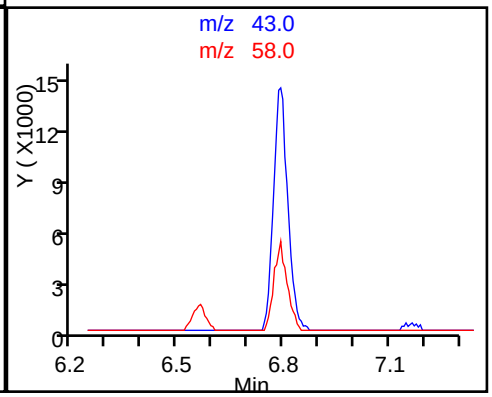












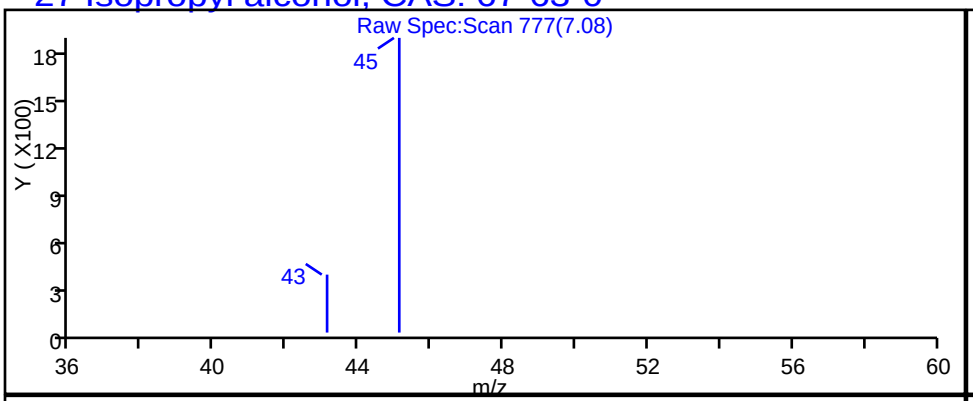
Report Date: 24-Jul-2014 10:21:03 Chrom Revision: 2.2 24-Jun-2014 07:21:42

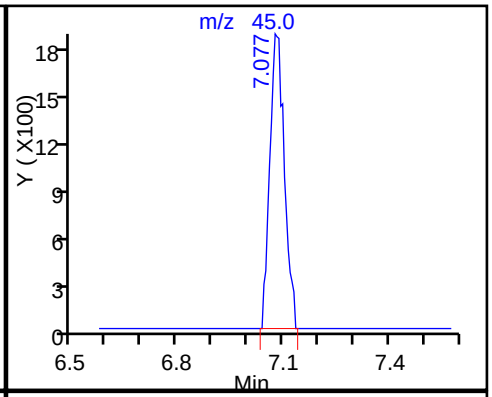
TestAmerica Burlington

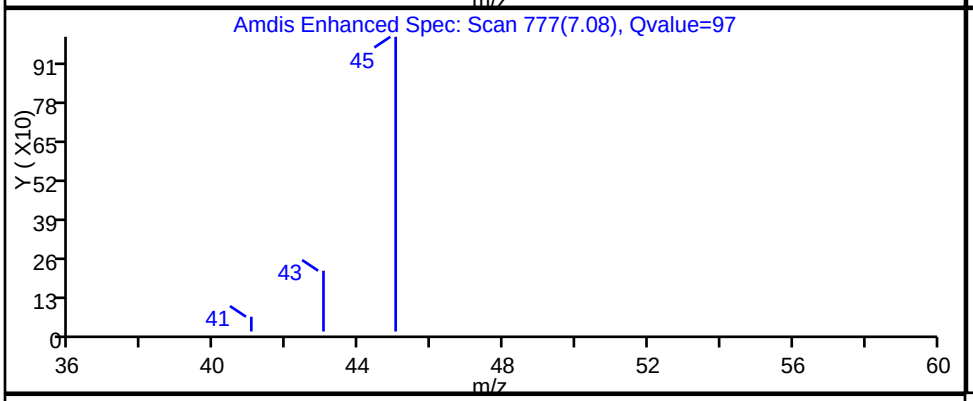
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140723-8677.b\8677_024.D

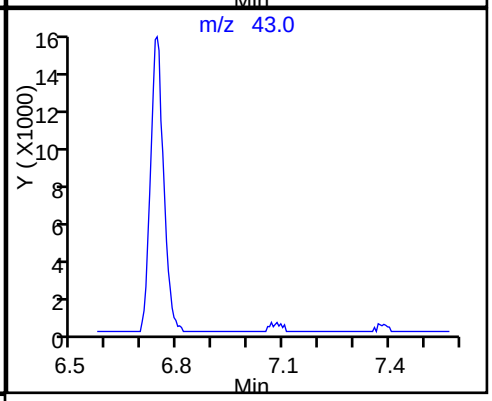
Injection Date:	24-Jul-2014 03:20:30	Instrument ID:	CHC.i		
Lims ID:	280-58004-A-6	Lab Sample ID:	200-58004-6		
Client ID:	785786OA09				
Operator ID:	bpl	ALS Bottle#:	7	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

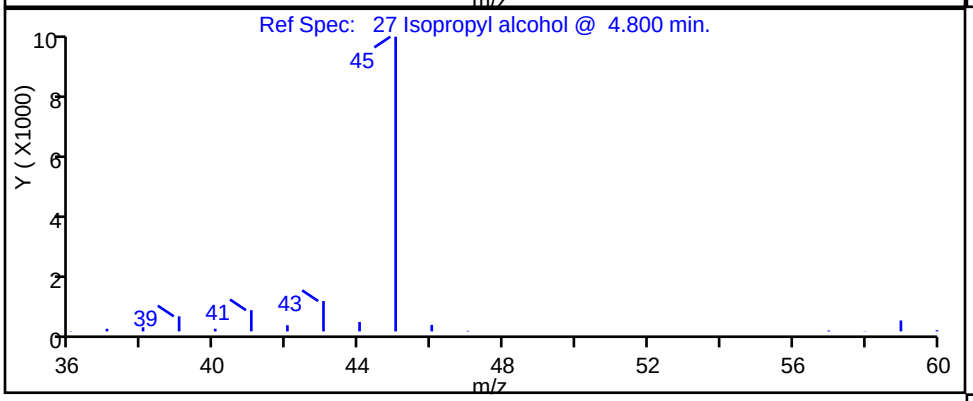
27 Isopropyl alcohol, CAS: 67-63-0

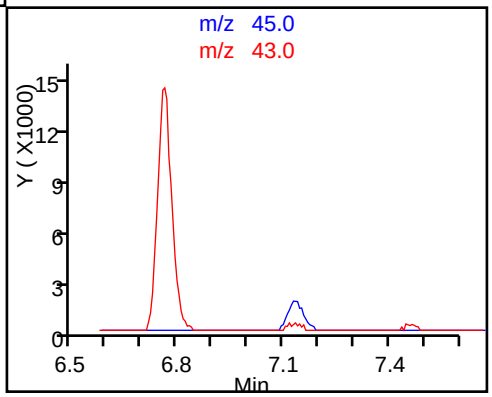












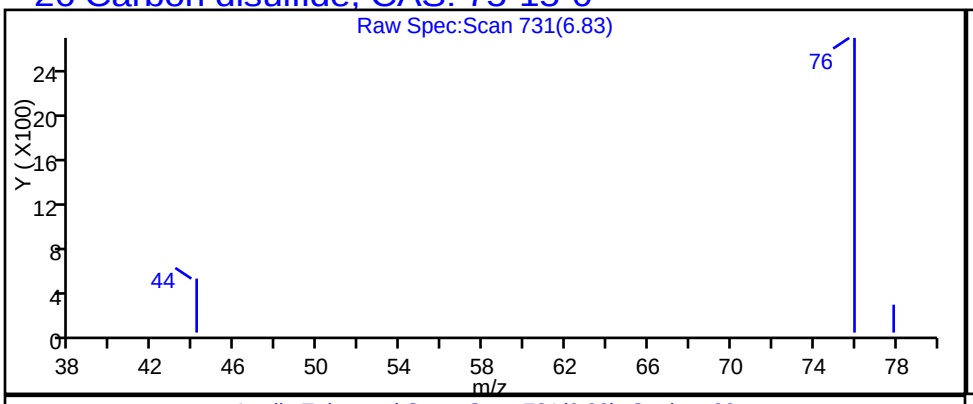
Report Date: 24-Jul-2014 10:21:03 Chrom Revision: 2.2 24-Jun-2014 07:21:42

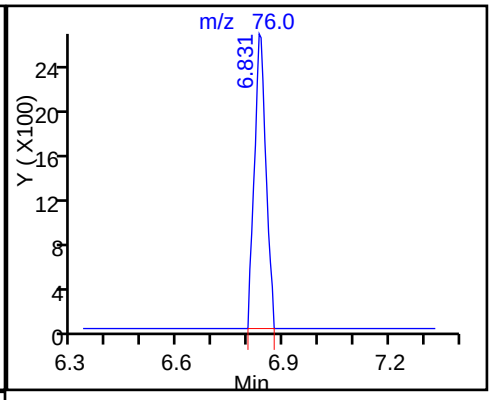
TestAmerica Burlington

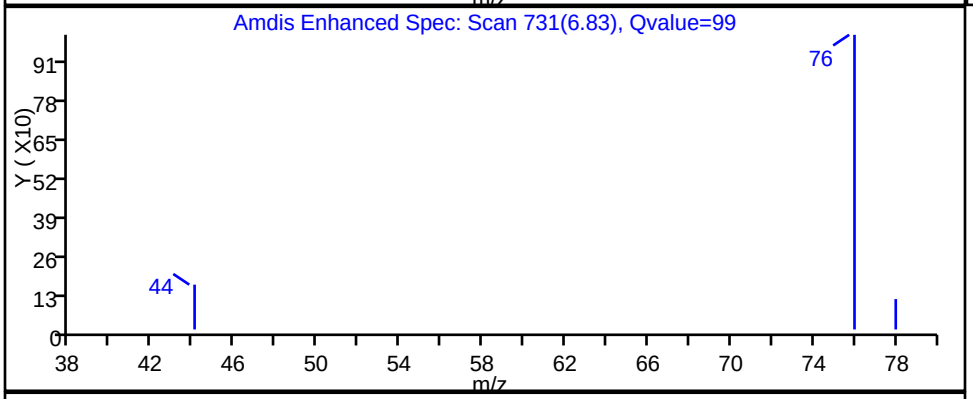
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140723-8677.b\8677_024.D

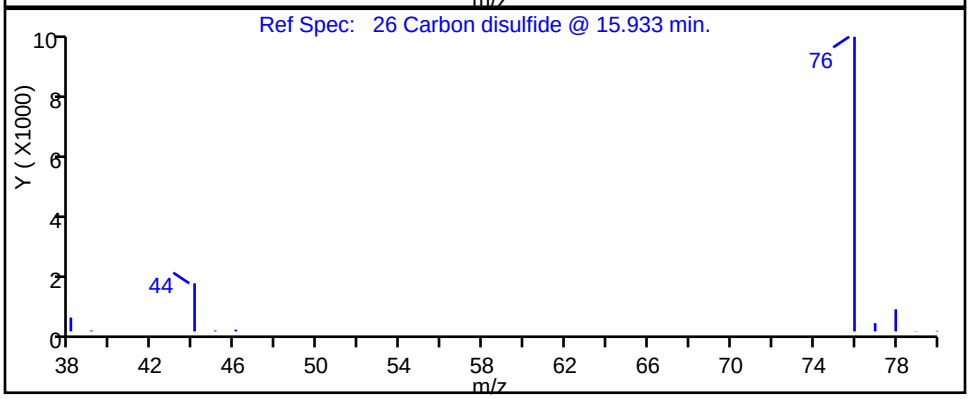
Injection Date:	24-Jul-2014 03:20:30	Instrument ID:	CHC.i		
Lims ID:	280-58004-A-6	Lab Sample ID:	200-58004-6		
Client ID:	785786OA09				
Operator ID:	bpl	ALS Bottle#:	7	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

26 Carbon disulfide, CAS: 75-15-0









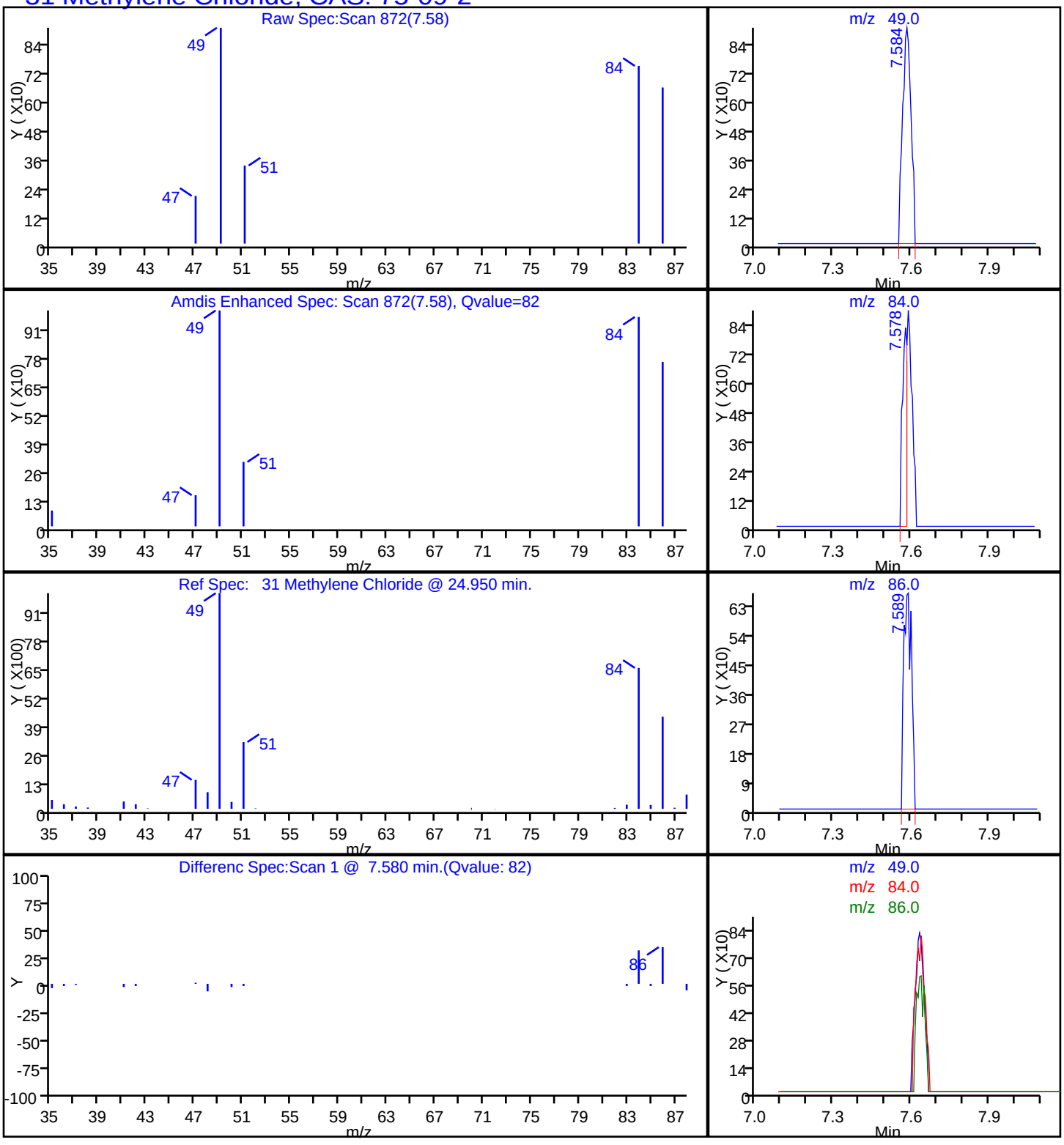
Report Date: 24-Jul-2014 10:21:03 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140723-8677.b\8677_024.D

Injection Date:	24-Jul-2014 03:20:30	Instrument ID:	CHC.i		
Lims ID:	280-58004-A-6	Lab Sample ID:	200-58004-6		
Client ID:	785786OA09				
Operator ID:	bpl	ALS Bottle#:	7	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

31 Methylene Chloride, CAS: 75-09-2

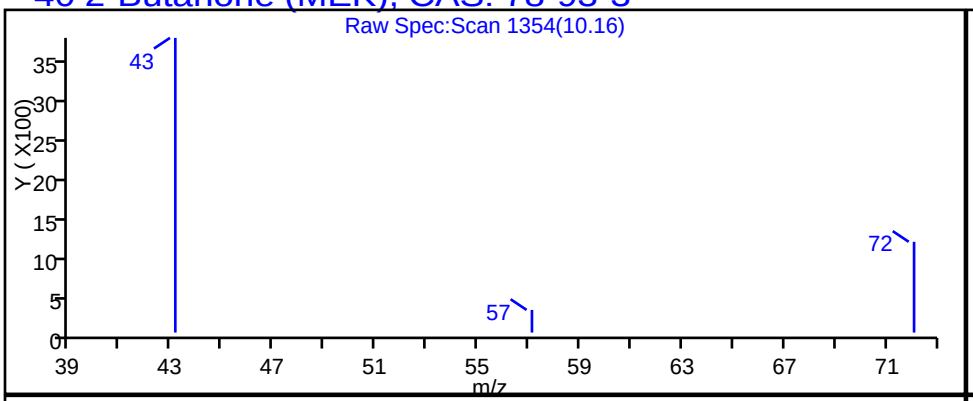


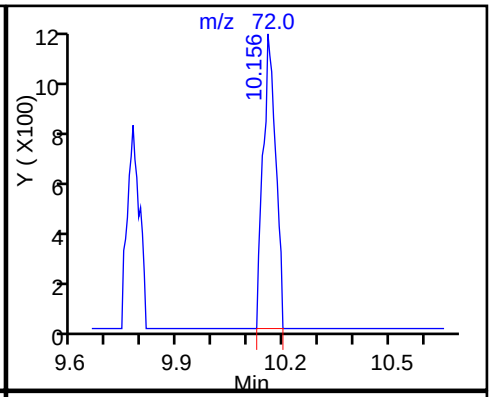
Report Date: 24-Jul-2014 10:21:03 Chrom Revision: 2.2 24-Jun-2014 07:21:42

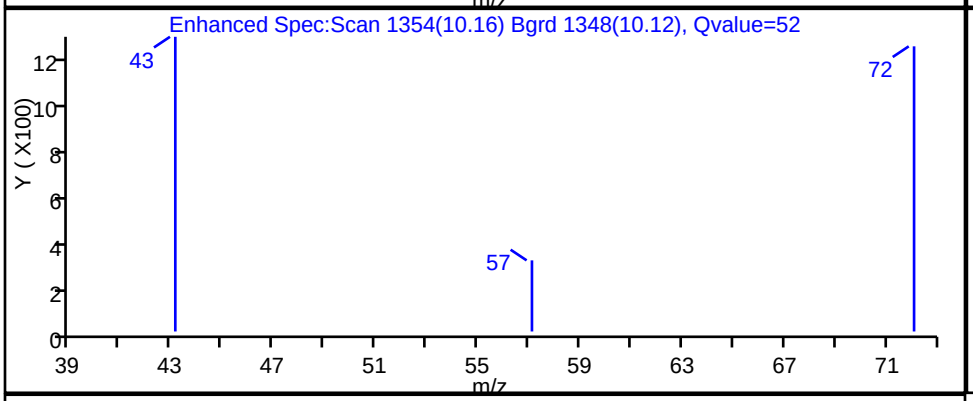
TestAmerica Burlington

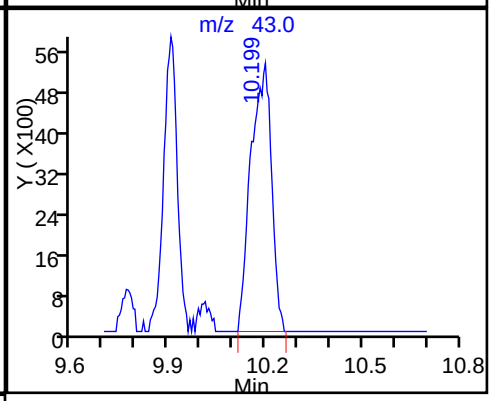
Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140723-8677.b\8677_024.D				
Injection Date:	24-Jul-2014 03:20:30	Instrument ID:	CHC.i		
Lims ID:	280-58004-A-6	Lab Sample ID:	200-58004-6		
Client ID:	785786OA09				
Operator ID:	bpl	ALS Bottle#:	7	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

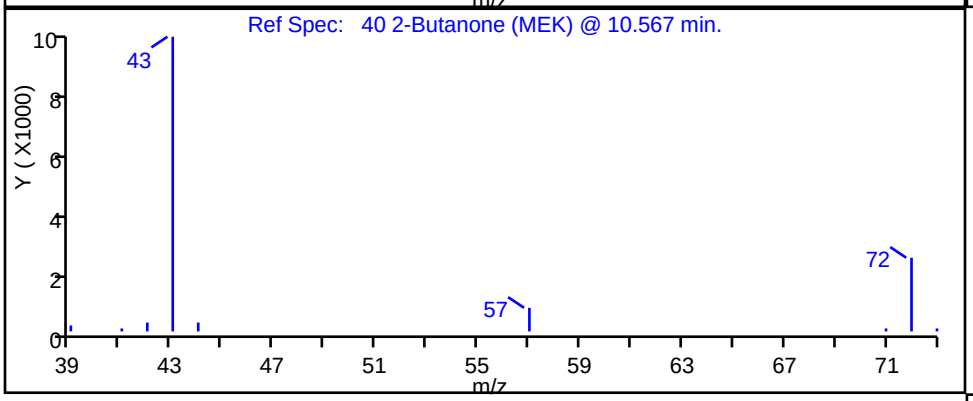
40 2-Butanone (MEK), CAS: 78-93-3

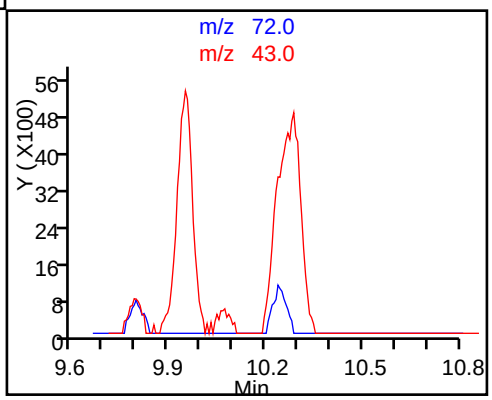










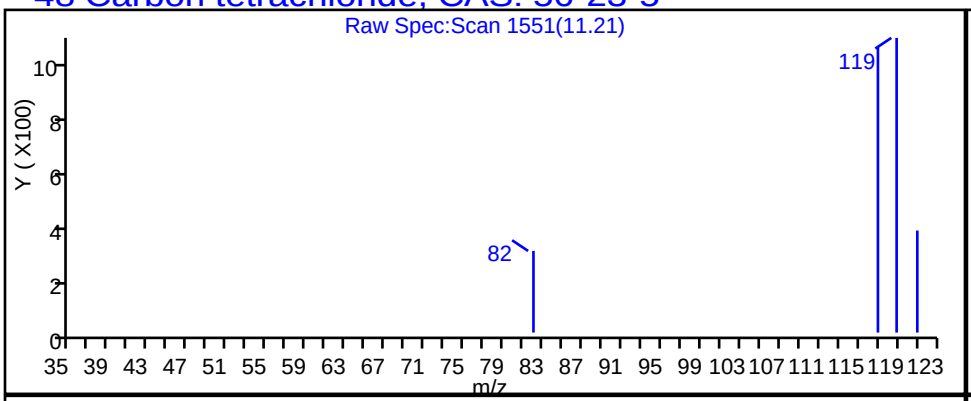


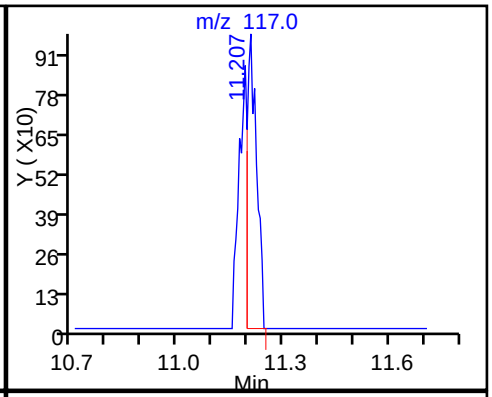
Report Date: 24-Jul-2014 10:21:03 Chrom Revision: 2.2 24-Jun-2014 07:21:42

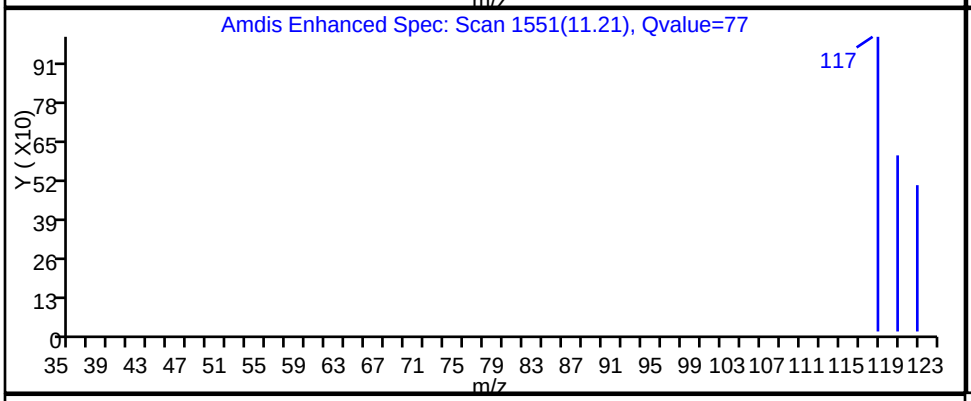
TestAmerica Burlington

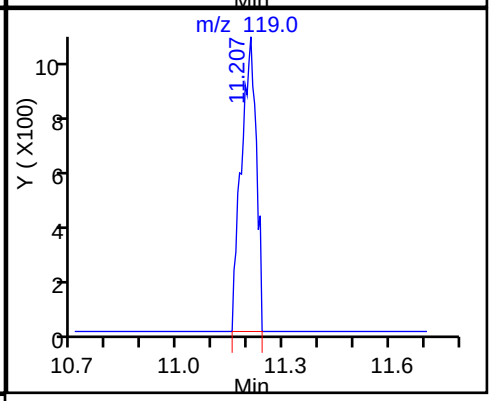
Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140723-8677.b\8677_024.D				
Injection Date:	24-Jul-2014 03:20:30	Instrument ID:	CHC.i		
Lims ID:	280-58004-A-6	Lab Sample ID:	200-58004-6		
Client ID:	785786OA09				
Operator ID:	bpl	ALS Bottle#:	7	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

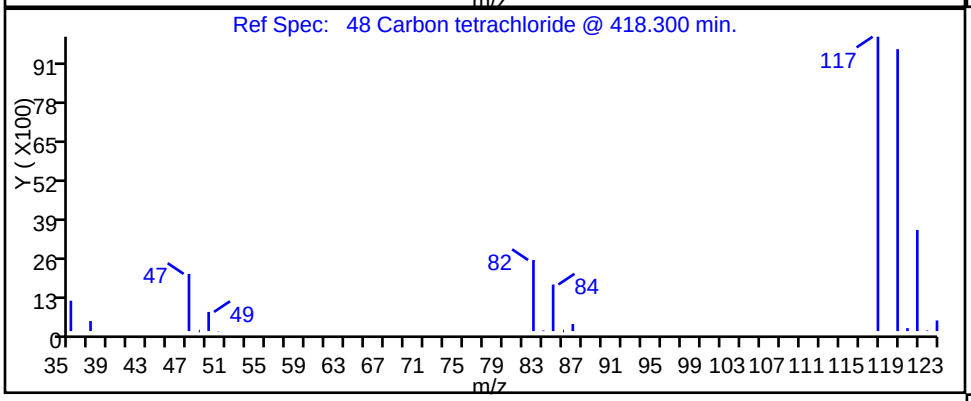
48 Carbon tetrachloride, CAS: 56-23-5

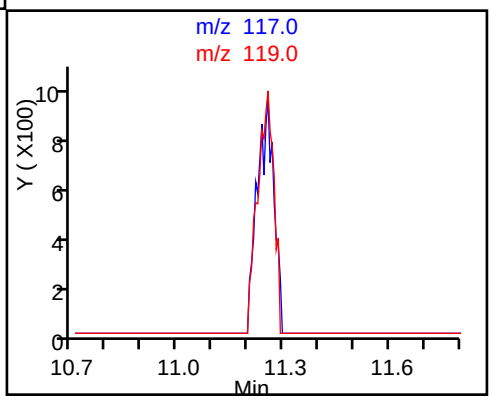










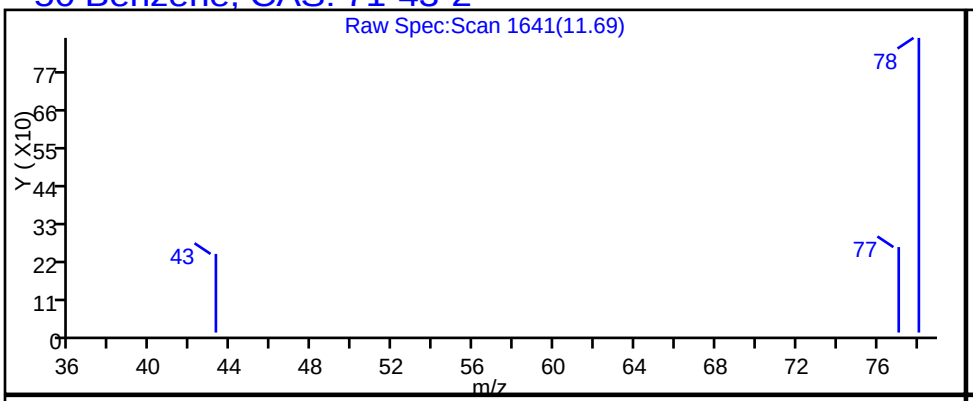


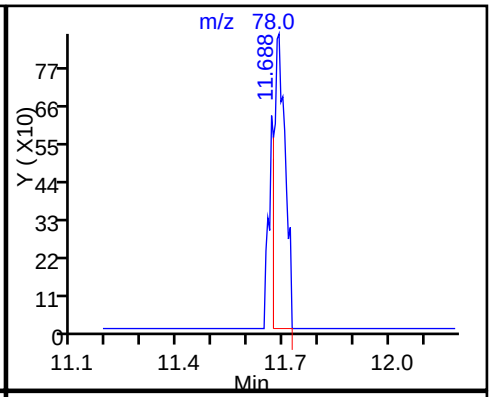
Report Date: 24-Jul-2014 10:21:03 Chrom Revision: 2.2 24-Jun-2014 07:21:42

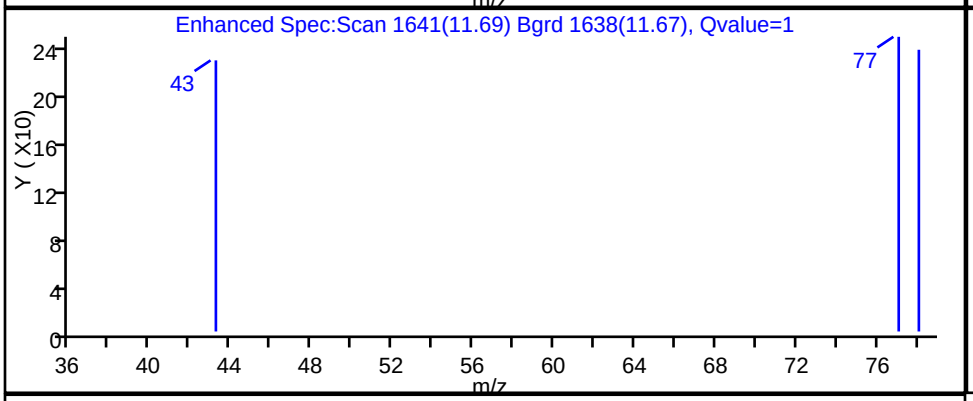
TestAmerica Burlington

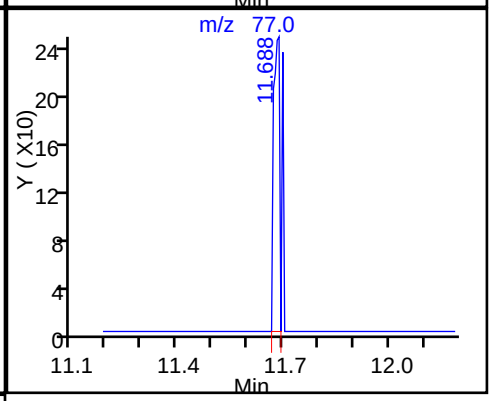
Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140723-8677.b\8677_024.D				
Injection Date:	24-Jul-2014 03:20:30	Instrument ID:	CHC.i		
Lims ID:	280-58004-A-6	Lab Sample ID:	200-58004-6		
Client ID:	785786OA09				
Operator ID:	bpl	ALS Bottle#:	7	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

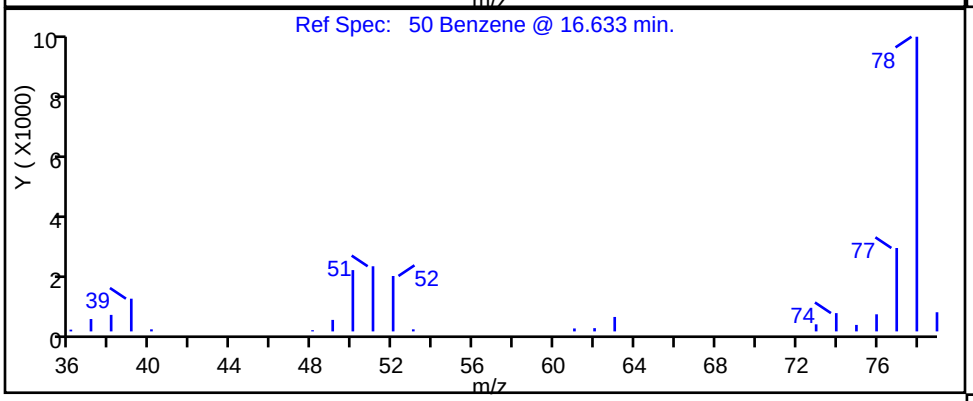
50 Benzene, CAS: 71-43-2

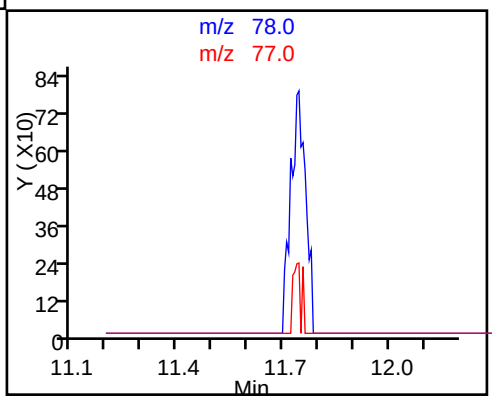












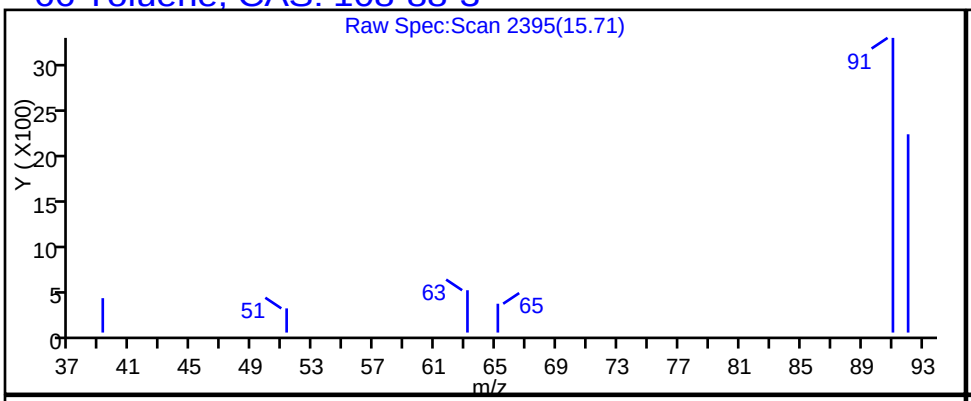
Report Date: 24-Jul-2014 10:21:03 Chrom Revision: 2.2 24-Jun-2014 07:21:42

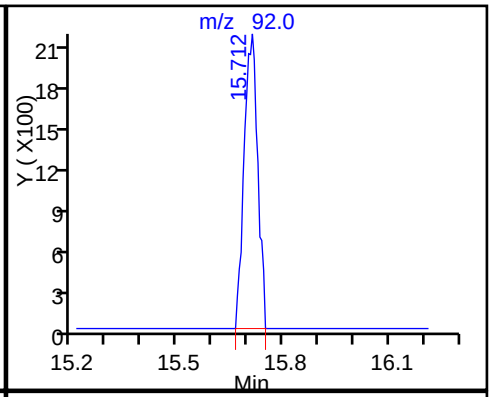
TestAmerica Burlington

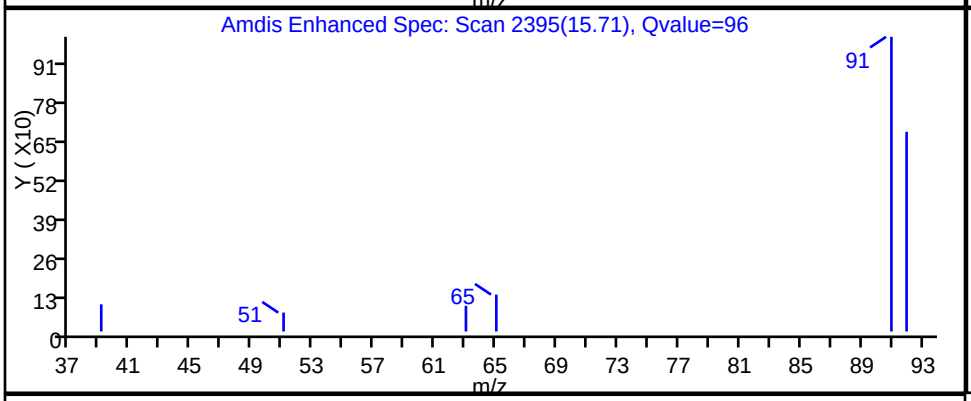
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140723-8677.b\8677_024.D

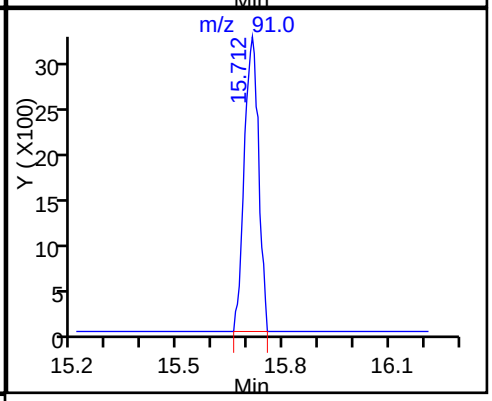
Injection Date:	24-Jul-2014 03:20:30	Instrument ID:	CHC.i		
Lims ID:	280-58004-A-6	Lab Sample ID:	200-58004-6		
Client ID:	785786OA09				
Operator ID:	bpl	ALS Bottle#:	7	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

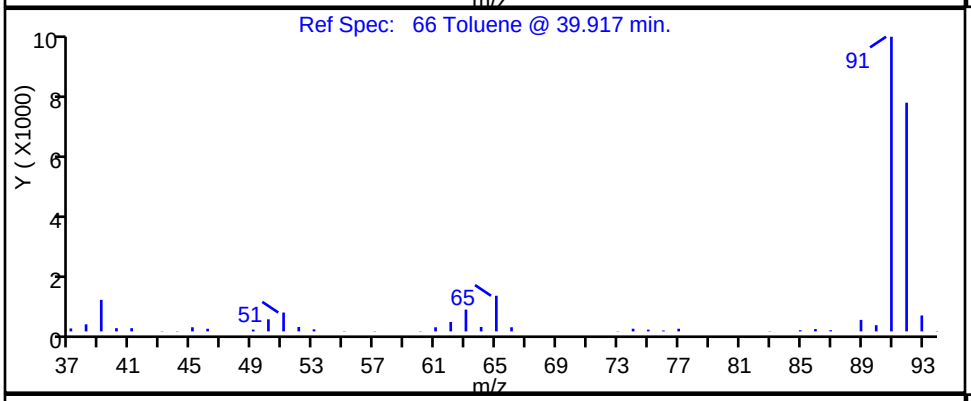
66 Toluene, CAS: 108-88-3

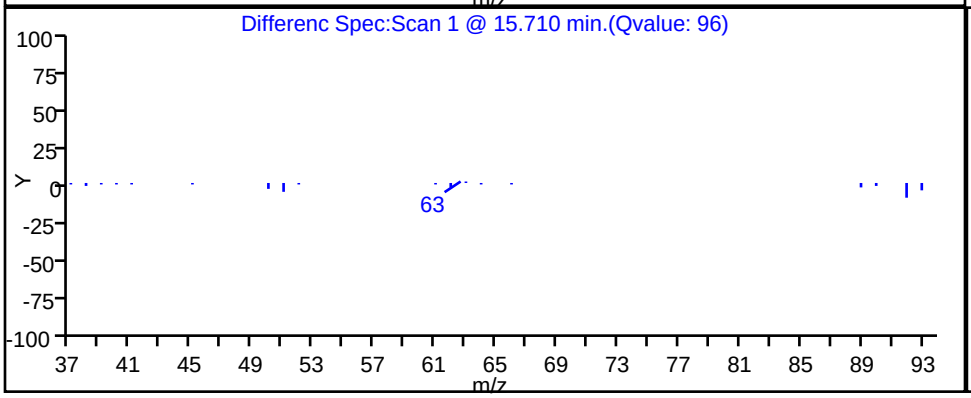


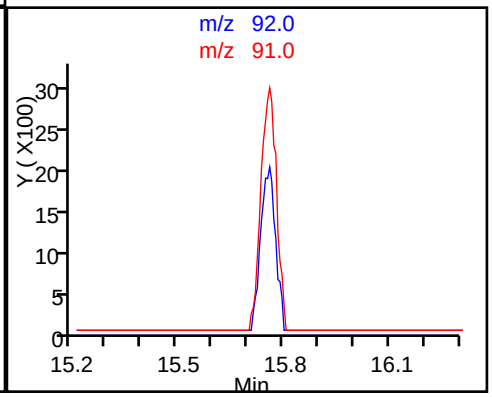










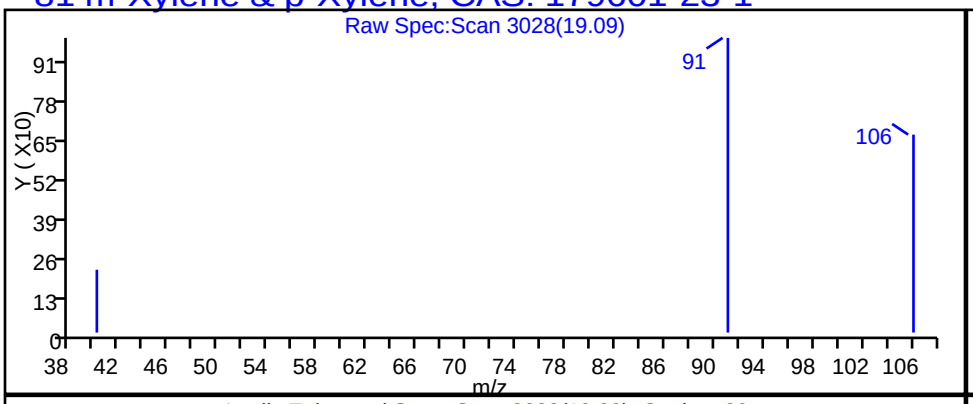


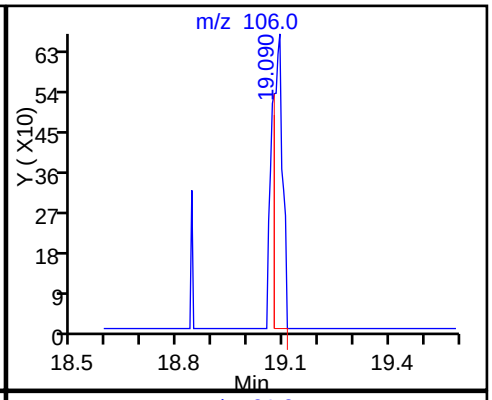
Report Date: 24-Jul-2014 10:21:03 Chrom Revision: 2.2 24-Jun-2014 07:21:42

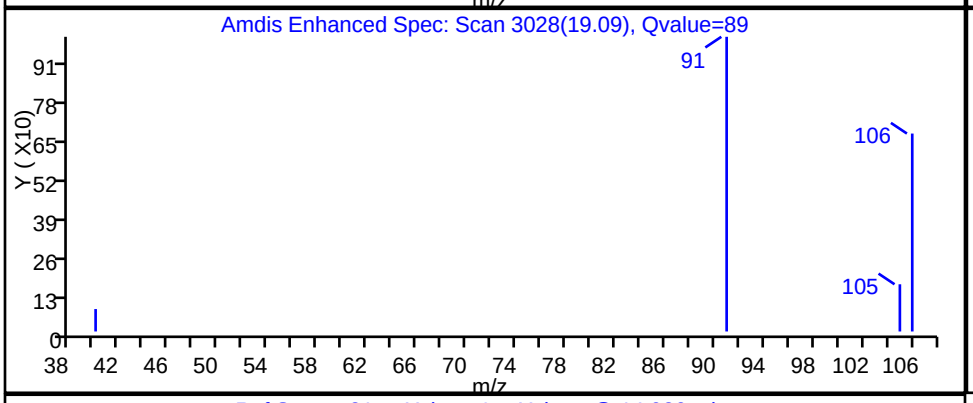
TestAmerica Burlington

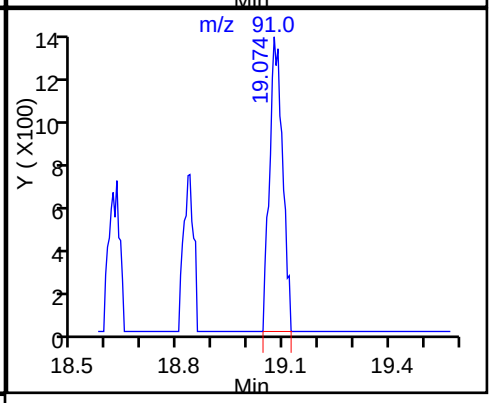
Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140723-8677.b\8677_024.D				
Injection Date:	24-Jul-2014 03:20:30	Instrument ID:	CHC.i		
Lims ID:	280-58004-A-6	Lab Sample ID:	200-58004-6		
Client ID:	785786OA09				
Operator ID:	bpl	ALS Bottle#:	7	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

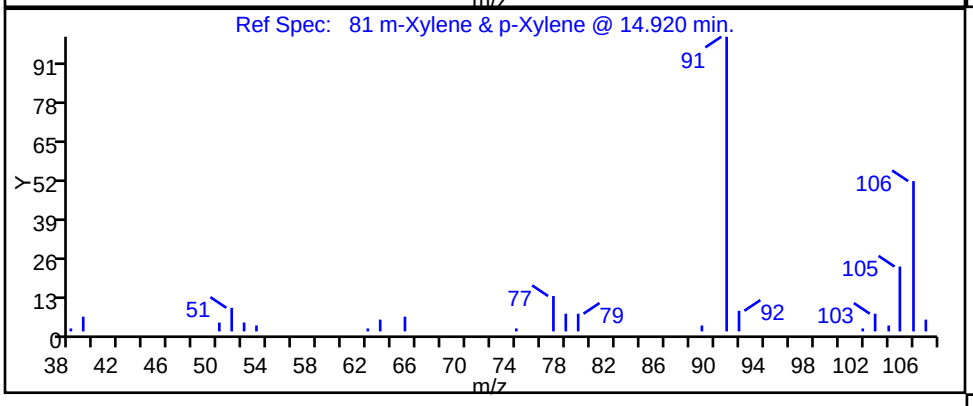
81 m-Xylene & p-Xylene, CAS: 179601-23-1

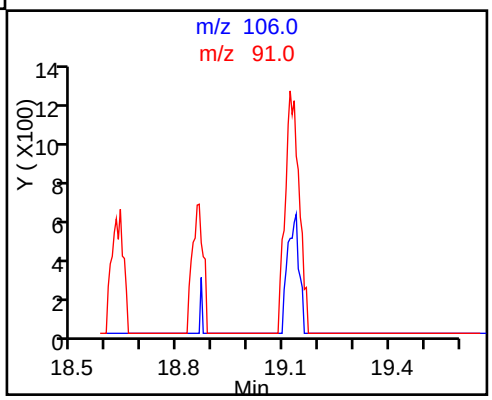












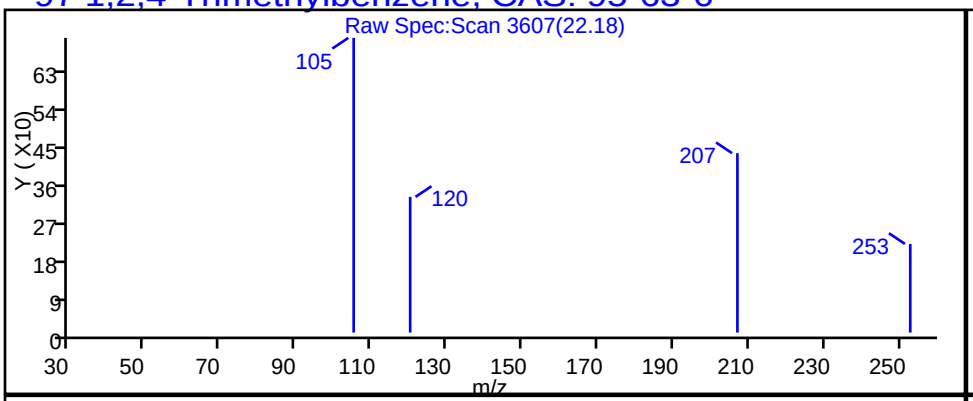
Report Date: 24-Jul-2014 10:21:03 Chrom Revision: 2.2 24-Jun-2014 07:21:42

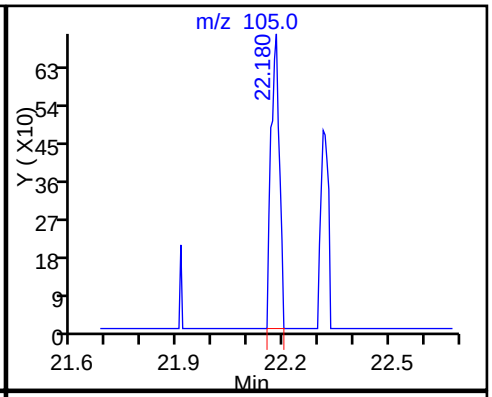
TestAmerica Burlington

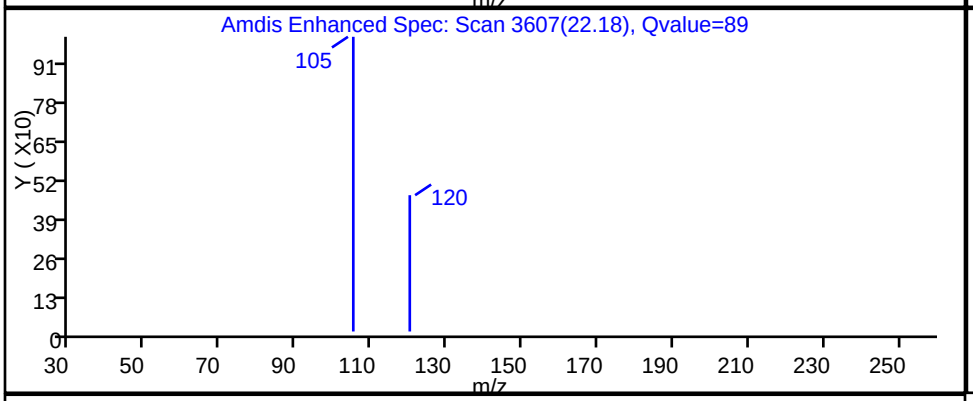
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140723-8677.b\8677_024.D

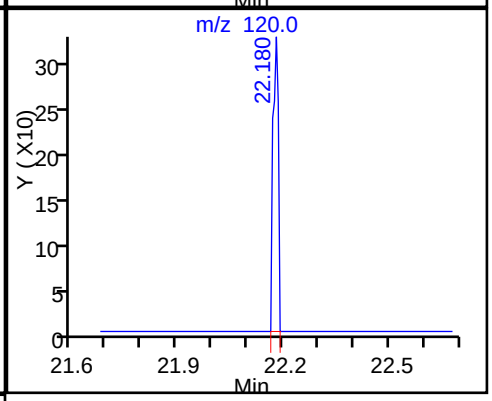
Injection Date:	24-Jul-2014 03:20:30	Instrument ID:	CHC.i		
Lims ID:	280-58004-A-6	Lab Sample ID:	200-58004-6		
Client ID:	785786OA09				
Operator ID:	bpl	ALS Bottle#:	7	Worklist Smp#:	24
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

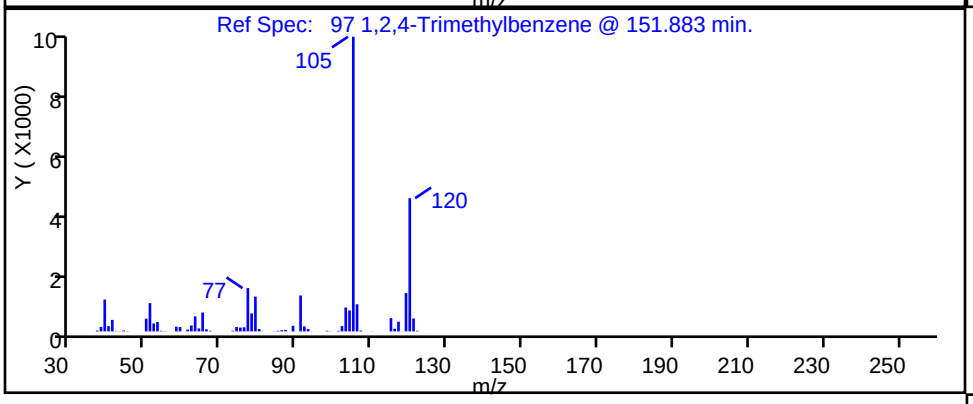
97 1,2,4-Trimethylbenzene, CAS: 95-63-6

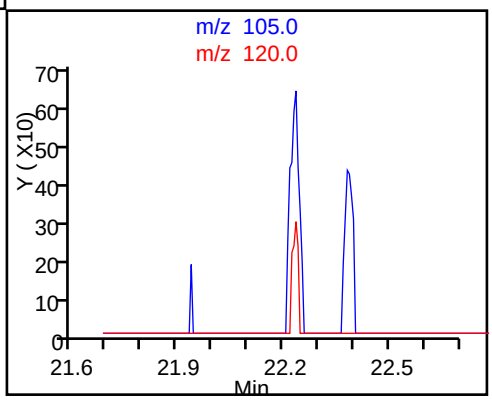












FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Client Sample ID: 785VMP0202MA Lab Sample ID: 280-58004-7

Matrix: Air Lab File ID: 8889_007.d

Analysis Method: TO-15 Date Collected: 07/18/2014 13:40

Sample wt/vol: 100(mL) Date Analyzed: 08/06/2014 16:59

Soil Aliquot Vol: Dilution Factor: 2

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75709 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	0.93	J D	1.0	0.060
75-45-6	Freon 22	86.47	0.56	J D	1.0	0.096
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.16	U	0.40	0.070
74-87-3	Chloromethane	50.49	6.0	D	1.0	0.27
106-97-8	n-Butane	58.12	1.2	D	1.0	0.56
75-01-4	Vinyl chloride	62.50	0.16	U	0.40	0.076
106-99-0	1,3-Butadiene	54.09	0.16	U	0.40	0.084
74-83-9	Bromomethane	94.94	0.16	U	0.40	0.056
75-00-3	Chloroethane	64.52	0.16	U	1.0	0.060
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.16	U	0.40	0.060
75-69-4	Trichlorofluoromethane	137.37	0.49	D	0.40	0.060
76-13-1	Freon TF	187.38	0.34	J D	0.40	0.036
75-35-4	1,1-Dichloroethene	96.94	0.16	U	0.40	0.048
67-64-1	Acetone	58.08	12	D	10	2.5
67-63-0	Isopropyl alcohol	60.10	12	D	10	0.43
75-15-0	Carbon disulfide	76.14	1.5	D	1.0	0.13
107-05-1	3-Chloropropene	76.53	0.16	U	1.0	0.068
75-09-2	Methylene Chloride	84.93	0.40	U	1.0	0.25
75-65-0	tert-Butyl alcohol	74.12	2.9	J D	10	0.66
1634-04-4	Methyl tert-butyl ether	88.15	0.11	J D	0.40	0.044
156-60-5	trans-1,2-Dichloroethene	96.94	0.16	U	0.40	0.058
110-54-3	n-Hexane	86.17	2.1	D	0.40	0.068
75-34-3	1,1-Dichloroethane	98.96	0.16	U	0.40	0.076
78-93-3	Methyl Ethyl Ketone	72.11	3.4	D	1.0	0.48
156-59-2	cis-1,2-Dichloroethene	96.94	0.51	D	0.40	0.076
540-59-0	1,2-Dichloroethene, Total	96.94	0.51		0.40	0.13
67-66-3	Chloroform	119.38	5.3	D	0.40	0.050
109-99-9	Tetrahydrofuran	72.11	32	D	10	0.092
71-55-6	1,1,1-Trichloroethane	133.41	0.16	U	0.40	0.042
110-82-7	Cyclohexane	84.16	0.16	U	0.40	0.050
56-23-5	Carbon tetrachloride	153.81	0.14	J D	0.40	0.042
540-84-1	2,2,4-Trimethylpentane	114.23	0.16	U	0.40	0.054
71-43-2	Benzene	78.11	0.21	J D	0.40	0.038
107-06-2	1,2-Dichloroethane	98.96	0.060	U	0.40	0.034

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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Client Sample ID: 785VMP0202MA Lab Sample ID: 280-58004-7

Matrix: Air Lab File ID: 8889_007.d

Analysis Method: TO-15 Date Collected: 07/18/2014 13:40

Sample wt/vol: 100(mL) Date Analyzed: 08/06/2014 16:59

Soil Aliquot Vol: Dilution Factor: 2

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75709 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
142-82-5	n-Heptane	100.21	0.16	U	0.40	0.092
79-01-6	Trichloroethene	131.39	74	D	0.40	0.048
80-62-6	Methyl methacrylate	100.12	0.16	U	1.0	0.060
78-87-5	1,2-Dichloropropane	112.99	0.16	U	0.40	0.064
123-91-1	1,4-Dioxane	88.11	0.40	U	10	0.40
75-27-4	Bromodichloromethane	163.83	0.060	U	0.40	0.034
10061-01-5	cis-1,3-Dichloropropene	110.97	0.16	U	0.40	0.056
108-10-1	methyl isobutyl ketone	100.16	0.30	J D	1.0	0.054
108-88-3	Toluene	92.14	0.50	D	0.40	0.034
10061-02-6	trans-1,3-Dichloropropene	110.97	0.16	U	0.40	0.044
79-00-5	1,1,2-Trichloroethane	133.41	0.060	U	0.40	0.034
127-18-4	Tetrachloroethene	165.83	0.060	U	0.40	0.032
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.40	U	1.0	0.40
124-48-1	Dibromochloromethane	208.29	0.060	U	0.40	0.040
106-93-4	1,2-Dibromoethane	187.87	0.16	U	0.40	0.040
108-90-7	Chlorobenzene	112.56	0.060	U	0.40	0.016
100-41-4	Ethylbenzene	106.17	0.17	J D	0.40	0.026
179601-23-1	m,p-Xylene	106.17	0.37	J D	1.0	0.046
95-47-6	Xylene, o-	106.17	0.16	J D	0.40	0.032
1330-20-7	Xylene (total)	106.17	0.53		0.40	0.068
100-42-5	Styrene	104.15	0.067	J D	0.40	0.036
75-25-2	Bromoform	252.75	0.060	U	0.40	0.020
98-82-8	Cumene	120.19	0.039	J D	0.40	0.032
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.060	U	0.40	0.032
103-65-1	n-Propylbenzene	120.19	0.16	U	0.40	0.16
622-96-8	4-Ethyltoluene	120.20	0.061	J D	0.40	0.036
108-67-8	1,3,5-Trimethylbenzene	120.20	0.078	J D	0.40	0.024
95-49-8	2-Chlorotoluene	126.59	0.060	U	0.40	0.026
98-06-6	tert-Butylbenzene	134.22	0.060	U	0.40	0.034
95-63-6	1,2,4-Trimethylbenzene	120.20	0.29	J D	0.40	0.028
135-98-8	sec-Butylbenzene	134.22	0.16	U	0.40	0.16
99-87-6	4-Isopropyltoluene	134.22	0.16	U	0.40	0.16
541-73-1	1,3-Dichlorobenzene	147.00	0.51	D	0.40	0.028
106-46-7	1,4-Dichlorobenzene	147.00	0.060	U	0.40	0.028

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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Client Sample ID: 785VMP0202MA Lab Sample ID: 280-58004-7

Matrix: Air Lab File ID: 8889_007.d

Analysis Method: TO-15 Date Collected: 07/18/2014 13:40

Sample wt/vol: 100(mL) Date Analyzed: 08/06/2014 16:59

Soil Aliquot Vol: Dilution Factor: 2

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75709 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	0.16	U	0.40	0.16
104-51-8	n-Butylbenzene	134.22	0.16	U	0.40	0.16
95-50-1	1,2-Dichlorobenzene	147.00	0.060	U	0.40	0.028
120-82-1	1,2,4-Trichlorobenzene	181.45	0.16	U	1.0	0.054
87-68-3	Hexachlorobutadiene	260.76	0.16	U	0.40	0.044
91-20-3	Naphthalene	128.17	0.40	U	1.0	0.40

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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Client Sample ID: 785VMP0202MA Lab Sample ID: 280-58004-7

Matrix: Air Lab File ID: 8889_007.d

Analysis Method: TO-15 Date Collected: 07/18/2014 13:40

Sample wt/vol: 100(mL) Date Analyzed: 08/06/2014 16:59

Soil Aliquot Vol: Dilution Factor: 2

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75709 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	4.6	J D	4.9	0.30
75-45-6	Freon 22	86.47	2.0	J D	3.5	0.34
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	1.1	U	2.8	0.49
74-87-3	Chloromethane	50.49	12	D	2.1	0.56
106-97-8	n-Butane	58.12	2.9	D	2.4	1.3
75-01-4	Vinyl chloride	62.50	0.41	U	1.0	0.19
106-99-0	1,3-Butadiene	54.09	0.35	U	0.88	0.19
74-83-9	Bromomethane	94.94	0.62	U	1.6	0.22
75-00-3	Chloroethane	64.52	0.42	U	2.6	0.16
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.70	U	1.7	0.26
75-69-4	Trichlorofluoromethane	137.37	2.7	D	2.2	0.34
76-13-1	Freon TF	187.38	2.6	J D	3.1	0.28
75-35-4	1,1-Dichloroethene	96.94	0.63	U	1.6	0.19
67-64-1	Acetone	58.08	28	D	24	5.9
67-63-0	Isopropyl alcohol	60.10	29	D	25	1.1
75-15-0	Carbon disulfide	76.14	4.7	D	3.1	0.41
107-05-1	3-Chloropropene	76.53	0.50	U	3.1	0.21
75-09-2	Methylene Chloride	84.93	1.4	U	3.5	0.87
75-65-0	tert-Butyl alcohol	74.12	8.9	J D	30	2.0
1634-04-4	Methyl tert-butyl ether	88.15	0.38	J D	1.4	0.16
156-60-5	trans-1,2-Dichloroethene	96.94	0.63	U	1.6	0.23
110-54-3	n-Hexane	86.17	7.5	D	1.4	0.24
75-34-3	1,1-Dichloroethane	98.96	0.65	U	1.6	0.31
78-93-3	Methyl Ethyl Ketone	72.11	10	D	2.9	1.4
156-59-2	cis-1,2-Dichloroethene	96.94	2.0	D	1.6	0.30
540-59-0	1,2-Dichloroethene, Total	96.94	2.0		1.6	0.51
67-66-3	Chloroform	119.38	26	D	2.0	0.24
109-99-9	Tetrahydrofuran	72.11	95	D	29	0.27
71-55-6	1,1,1-Trichloroethane	133.41	0.87	U	2.2	0.23
110-82-7	Cyclohexane	84.16	0.55	U	1.4	0.17
56-23-5	Carbon tetrachloride	153.81	0.86	J D	2.5	0.26
540-84-1	2,2,4-Trimethylpentane	114.23	0.75	U	1.9	0.25
71-43-2	Benzene	78.11	0.68	J D	1.3	0.12
107-06-2	1,2-Dichloroethane	98.96	0.24	U	1.6	0.14

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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Client Sample ID: 785VMP0202MA Lab Sample ID: 280-58004-7

Matrix: Air Lab File ID: 8889_007.d

Analysis Method: TO-15 Date Collected: 07/18/2014 13:40

Sample wt/vol: 100(mL) Date Analyzed: 08/06/2014 16:59

Soil Aliquot Vol: Dilution Factor: 2

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75709 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
142-82-5	n-Heptane	100.21	0.66	U	1.6	0.38
79-01-6	Trichloroethene	131.39	400	D	2.1	0.26
80-62-6	Methyl methacrylate	100.12	0.66	U	4.1	0.25
78-87-5	1,2-Dichloropropane	112.99	0.74	U	1.8	0.30
123-91-1	1,4-Dioxane	88.11	1.4	U	36	1.4
75-27-4	Bromodichloromethane	163.83	0.40	U	2.7	0.23
10061-01-5	cis-1,3-Dichloropropene	110.97	0.73	U	1.8	0.25
108-10-1	methyl isobutyl ketone	100.16	1.2	J D	4.1	0.22
108-88-3	Toluene	92.14	1.9	D	1.5	0.13
10061-02-6	trans-1,3-Dichloropropene	110.97	0.73	U	1.8	0.20
79-00-5	1,1,2-Trichloroethane	133.41	0.33	U	2.2	0.19
127-18-4	Tetrachloroethene	165.83	0.41	U	2.7	0.22
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	1.6	U	4.1	1.6
124-48-1	Dibromochloromethane	208.29	0.51	U	3.4	0.34
106-93-4	1,2-Dibromoethane	187.87	1.2	U	3.1	0.31
108-90-7	Chlorobenzene	112.56	0.28	U	1.8	0.075
100-41-4	Ethylbenzene	106.17	0.76	J D	1.7	0.11
179601-23-1	m,p-Xylene	106.17	1.6	J D	4.3	0.20
95-47-6	Xylene, o-	106.17	0.68	J D	1.7	0.14
1330-20-7	Xylene (total)	106.17	2.3		1.7	0.30
100-42-5	Styrene	104.15	0.29	J D	1.7	0.15
75-25-2	Bromoform	252.75	0.62	U	4.1	0.21
98-82-8	Cumene	120.19	0.19	J D	2.0	0.16
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.41	U	2.7	0.22
103-65-1	n-Propylbenzene	120.19	0.79	U	2.0	0.79
622-96-8	4-Ethyltoluene	120.20	0.30	J D	2.0	0.18
108-67-8	1,3,5-Trimethylbenzene	120.20	0.38	J D	2.0	0.12
95-49-8	2-Chlorotoluene	126.59	0.31	U	2.1	0.13
98-06-6	tert-Butylbenzene	134.22	0.33	U	2.2	0.19
95-63-6	1,2,4-Trimethylbenzene	120.20	1.4	J D	2.0	0.14
135-98-8	sec-Butylbenzene	134.22	0.88	U	2.2	0.88
99-87-6	4-Isopropyltoluene	134.22	0.88	U	2.2	0.88
541-73-1	1,3-Dichlorobenzene	147.00	3.1	D	2.4	0.17
106-46-7	1,4-Dichlorobenzene	147.00	0.36	U	2.4	0.17

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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Client Sample ID: 785VMP0202MA Lab Sample ID: 280-58004-7

Matrix: Air Lab File ID: 8889_007.d

Analysis Method: TO-15 Date Collected: 07/18/2014 13:40

Sample wt/vol: 100(mL) Date Analyzed: 08/06/2014 16:59

Soil Aliquot Vol: Dilution Factor: 2

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75709 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	0.83	U	2.1	0.83
104-51-8	n-Butylbenzene	134.22	0.88	U	2.2	0.88
95-50-1	1,2-Dichlorobenzene	147.00	0.36	U	2.4	0.17
120-82-1	1,2,4-Trichlorobenzene	181.45	1.2	U	7.4	0.40
87-68-3	Hexachlorobutadiene	260.76	1.7	U	4.3	0.47
91-20-3	Naphthalene	128.17	2.1	U	5.2	2.1

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140806-8889.b\8889_007.d
Lims ID: 280-58004-A-7 Lab Sample ID: 200-58004-7
Client ID: 785VMP0202MA
Sample Type: Client
Inject. Date: 06-Aug-2014 16:59:30 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 200.000 mL Dil. Factor: 2.0000
Sample Info: 200-0008889-007
Misc. Info.: 280-58004-A-7
Operator ID: BPL Instrument ID: CHW.i

Method: \\BTV-LIMS1\ChromData\CHW.i\20140806-8889.b\TO15_LLNJ_TO3_W_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 07-Aug-2014 09:51:30 Calib Date: 15-Jun-2014 00:33:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20140613-8058.b\8058_017.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK003

First Level Reviewer: lyonsb Date: 07-Aug-2014 09:50:16

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	4.483	4.488	-0.005	98	35104	0.4626	
6 Chlorodifluoromethane	51	4.552	4.552	0.000	96	10649	0.2807	
7 1,2-Dichloro-1,1,2,2-tetra	85		4.841				ND	
8 Chloromethane	50	5.028	5.034	-0.006	99	67075	2.99	
9 Butane	43	5.291	5.296	-0.005	92	23030	0.6190	
10 Vinyl chloride	62		5.355				ND	
11 Butadiene	54		5.451				ND	
12 Bromomethane	94		6.318				ND	
14 Chloroethane	64		6.596				ND	
16 Vinyl bromide	106		7.077				ND	
17 Trichlorofluoromethane	101	7.195	7.190	0.005	97	20342	0.2430	
23 1,1,2-Trichloro-1,2,2-trif	101	8.431	8.436	-0.005	93	11068	0.1725	
24 1,1-Dichloroethene	96		8.511				ND	
25 Acetone	43	8.752	8.741	0.011	90	237260	5.99	
26 Carbon disulfide	76	8.998	8.998	0.000	98	58595	0.7472	
27 Isopropyl alcohol	45	9.035	9.025	0.010	98	197024	5.90	
29 3-Chloro-1-propene	41		9.399				ND	
31 Methylene Chloride	49		9.731				ND	
32 2-Methyl-2-propanol	59	9.907	9.897	0.010	99	70636	1.46	
33 Methyl tert-butyl ether	73	10.153	10.148	0.005	81	4490	0.0534	
S 41 1,2-Dichloroethene, Total	61				0		0.2528	
34 trans-1,2-Dichloroethene	61		10.223				ND	
36 Hexane	57	10.646	10.640	0.006	87	48381	1.06	
37 1,1-Dichloroethane	63		11.191				ND	
39 cis-1,2-Dichloroethene	96	12.363	12.363	0.000	94	8943	0.2528	
40 2-Butanone (MEK)	72	12.379	12.373	0.006	97	28605	1.71	
44 Tetrahydrofuran	42	12.839	12.834	0.005	88	401745	16.1	
* 43 Chlorobromomethane	128	12.844	12.844	0.000	75	259491	10.0	
45 Chloroform	83	12.957	12.957	0.000	99	164041	2.66	
46 Cyclohexane	84		13.251				ND	
47 1,1,1-Trichloroethane	97		13.262				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
48 Carbon tetrachloride	117	13.524	13.518	0.006	96	4636	0.0680	
51 Isooctane	57		13.909				ND	
50 Benzene	78	13.973	13.968	0.005	92	9888	0.1071	
52 1,2-Dichloroethane	62		14.128				ND	
53 n-Heptane	43		14.257				ND	
* 54 1,4-Difluorobenzene	114	14.727	14.727	0.000	91	1177026	10.0	
56 Trichloroethene	95	15.193	15.193	0.000	91	1592225	36.8	
58 1,2-Dichloropropane	63		15.712				ND	
59 Methyl methacrylate	69		15.797				ND	
60 1,4-Dioxane	88		15.883				ND	
62 Dichlorobromomethane	83		16.204				ND	
64 cis-1,3-Dichloropropene	75		17.065				ND	
65 4-Methyl-2-pentanone (MIBK	43	17.295	17.295	0.000	91	8074	0.1488	
66 Toluene	92	17.638	17.638	0.000	94	21441	0.2487	
70 trans-1,3-Dichloropropene	75		18.173				ND	
71 1,1,2-Trichloroethane	83		18.536				ND	
72 Tetrachloroethene	166		18.681				ND	
73 2-Hexanone	43	18.932	18.922	0.010	85	10007	0.1711	7
74 Chlorodibromomethane	129		19.296				ND	
75 Ethylene Dibromide	107		19.580				ND	
S 82 Xylenes, Total	106				0		0.2654	
* 76 Chlorobenzene-d5	117	20.425	20.425	0.000	81	1213222	10.0	
77 Chlorobenzene	112		20.478				ND	
78 Ethylbenzene	91	20.591	20.591	0.000	96	14914	0.0870	
80 m-Xylene & p-Xylene	106	20.805	20.810	-0.005	98	13683	0.1867	
83 o-Xylene	106	21.522	21.521	0.001	94	5885	0.0786	
84 Styrene	104	21.559	21.564	-0.005	93	3635	0.0335	
85 Bromoform	173		21.944				ND	
86 Isopropylbenzene	105	22.083	22.089	-0.006	92	4027	0.0197	
$ 87 4-Bromofluorobenzene	95	22.426	22.426	0.000	97	882083	NC	
88 1,1,2,2-Tetrachloroethane	83		22.650				ND	
90 N-Propylbenzene	91		22.725				ND	
91 4-Ethyltoluene	105	22.886	22.891	-0.005	96	6202	0.0305	
92 2-Chlorotoluene	91		22.923				ND	
94 1,3,5-Trimethylbenzene	105	22.987	22.982	0.005	91	6736	0.0388	
96 tert-Butylbenzene	119		23.458				ND	
97 1,2,4-Trimethylbenzene	105	23.549	23.549	0.000	97	25098	0.1437	
98 sec-Butylbenzene	105		23.790				ND	
99 4-Isopropyltoluene	119		23.988				ND	
100 1,3-Dichlorobenzene	146	24.057	24.063	-0.006	99	34516	0.2551	
101 1,4-Dichlorobenzene	146		24.207				ND	
102 Benzyl chloride	91		24.416				ND	
103 n-Butylbenzene	91		24.624				ND	
105 1,2-Dichlorobenzene	146		24.812				ND	
107 1,2,4-Trichlorobenzene	180		27.690				ND	
108 Hexachlorobutadiene	225		27.893				ND	
109 Naphthalene	128		28.278				ND	

QC Flag Legend

Processing Flags
NC - Not Calibrated
ND - Not Detected or Marked ND
7 - Failed Limit of Detection

Reagents:

ATTO15WISs_00003 Amount Added: 20.00 Units: mL Run Reagent

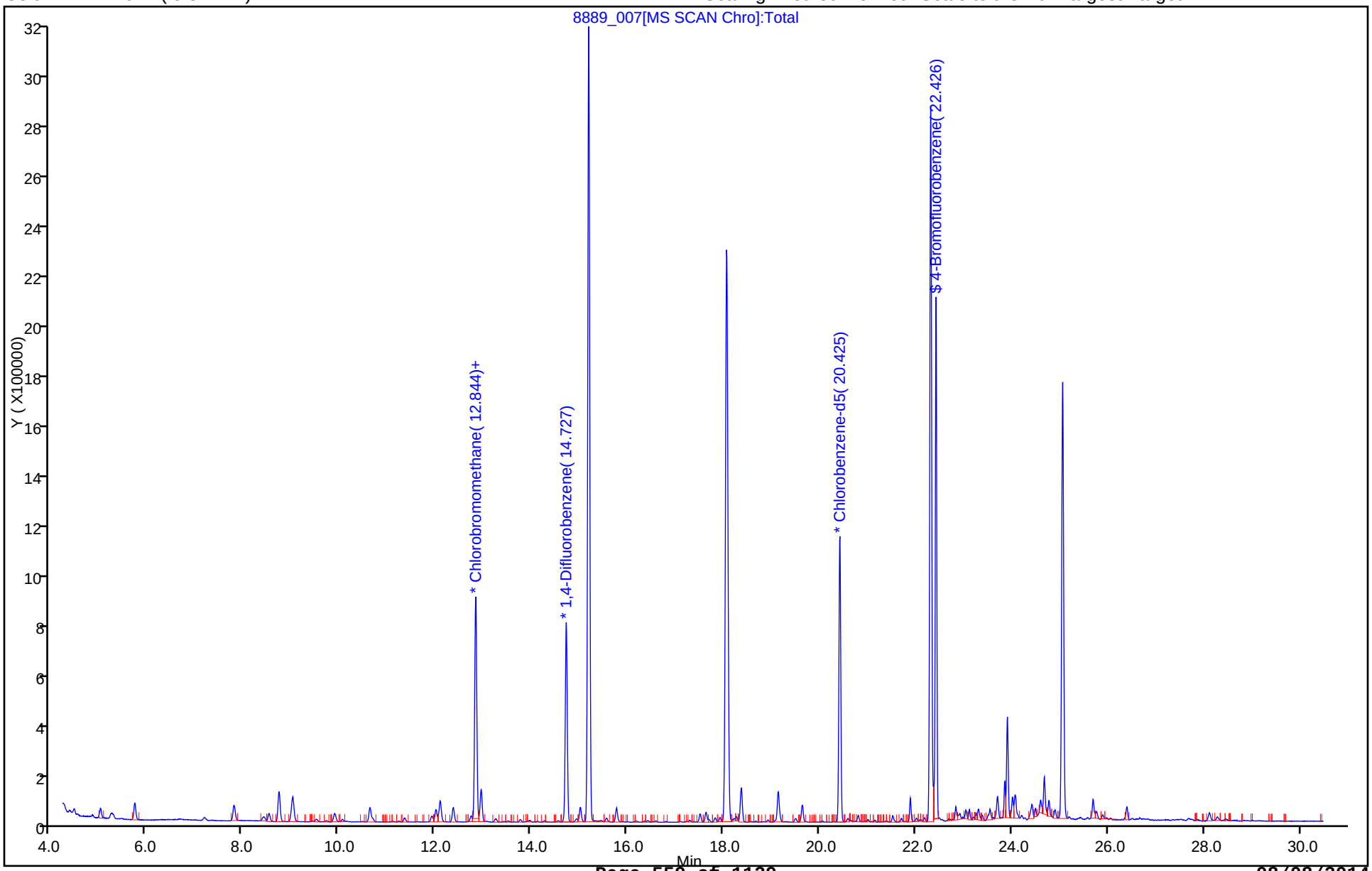
Report Date: 07-Aug-2014 09:51:35 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140806-8889.b\8889_007.d

Injection Date:	06-Aug-2014 16:59:30	Instrument ID:	CHW.i	Operator ID:	BPL
Lims ID:	280-58004-A-7	Lab Sample ID:	200-58004-7	Worklist Smp#:	7
Client ID:	785VMP0202MA				
Purge Vol:	200.000 mL	Dil. Factor:	2.0000	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



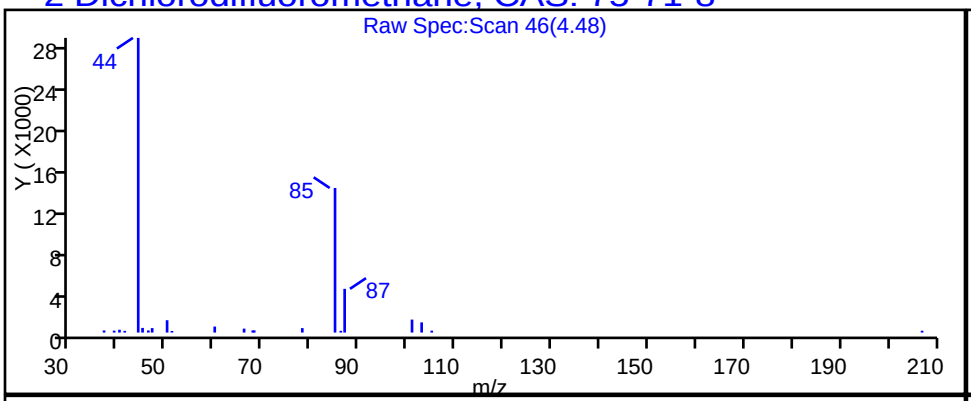
Report Date: 07-Aug-2014 09:51:35 Chrom Revision: 2.2 24-Jun-2014 07:21:42

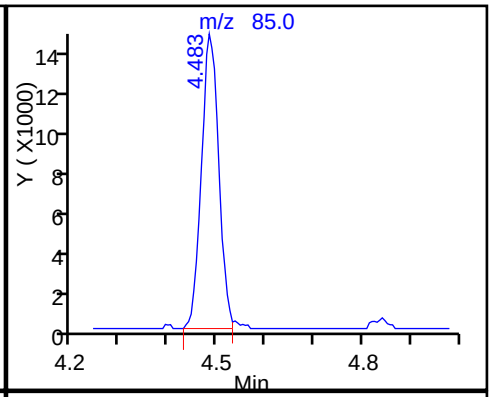
TestAmerica Burlington

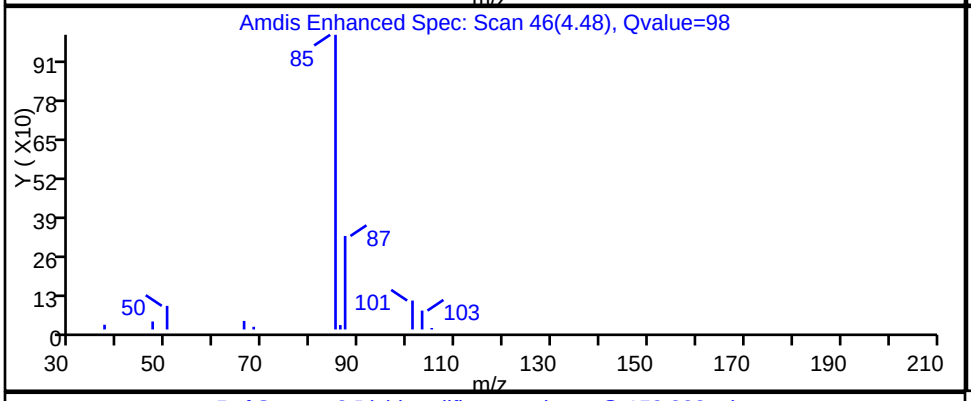
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140806-8889.b\8889_007.d

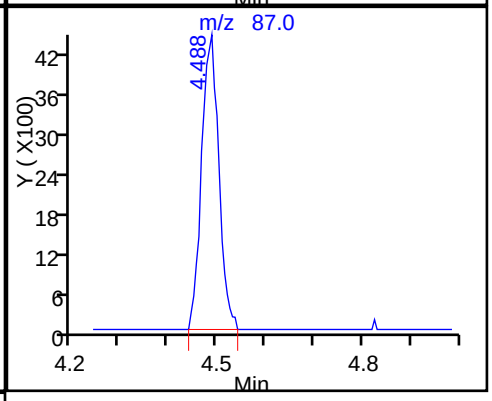
Injection Date:	06-Aug-2014 16:59:30	Instrument ID:	CHW.i		
Lims ID:	280-58004-A-7	Lab Sample ID:	200-58004-7		
Client ID:	785VMP0202MA				
Operator ID:	BPL	ALS Bottle#:	6	Worklist Smp#:	7
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

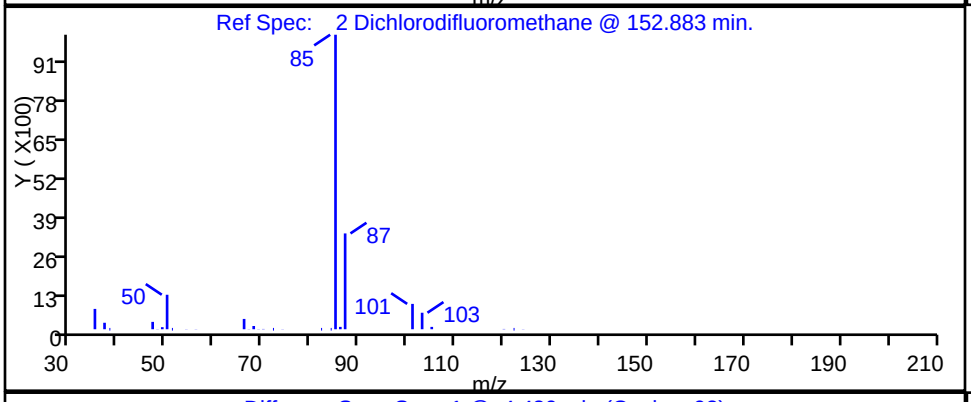
2 Dichlorodifluoromethane, CAS: 75-71-8

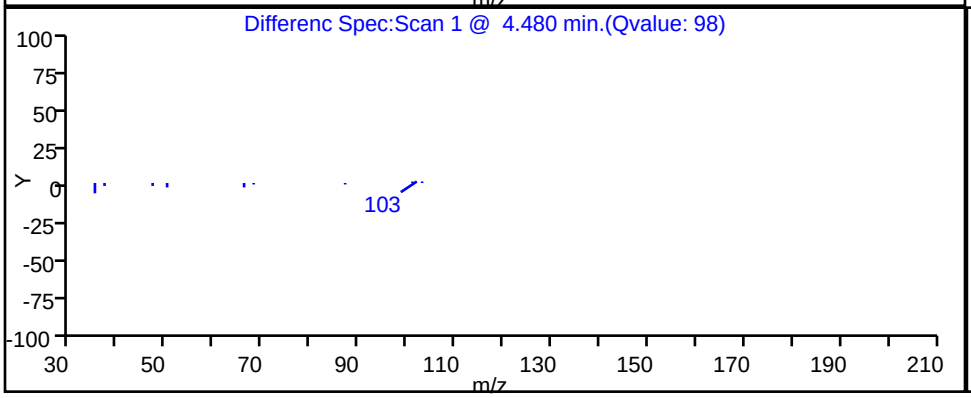


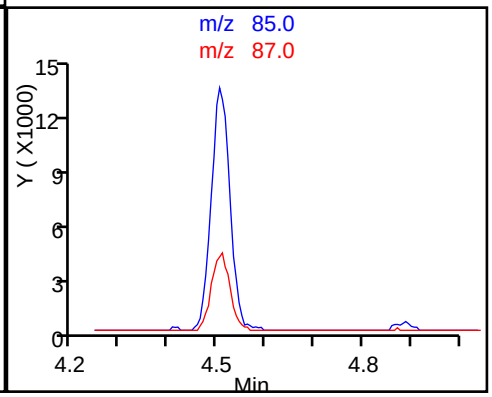












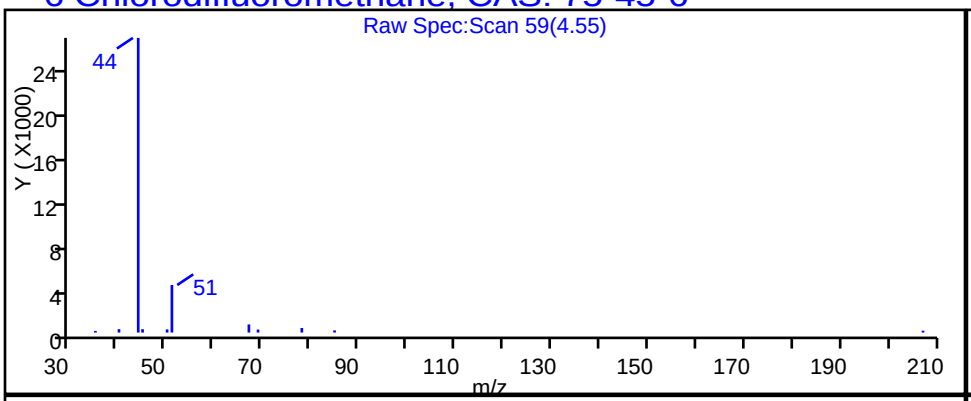
Report Date: 07-Aug-2014 09:51:35 Chrom Revision: 2.2 24-Jun-2014 07:21:42

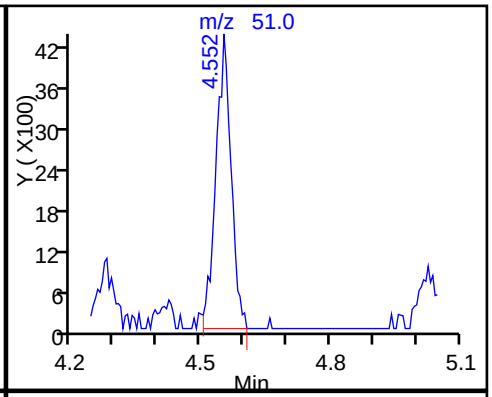
TestAmerica Burlington

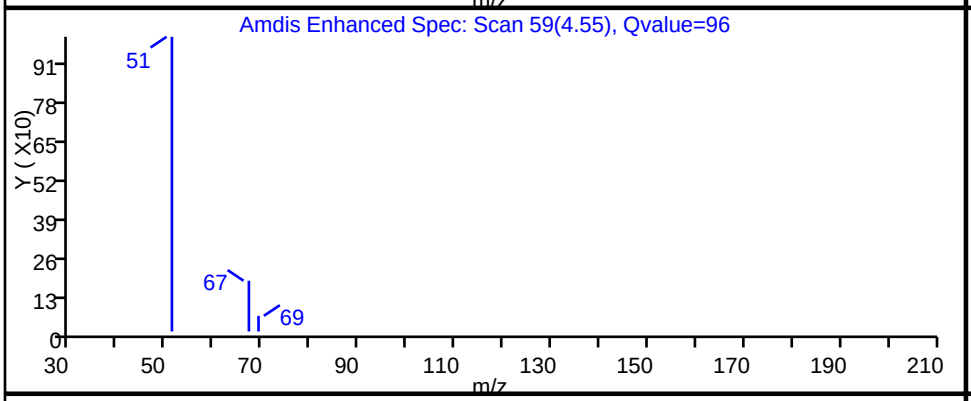
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140806-8889.b\8889_007.d

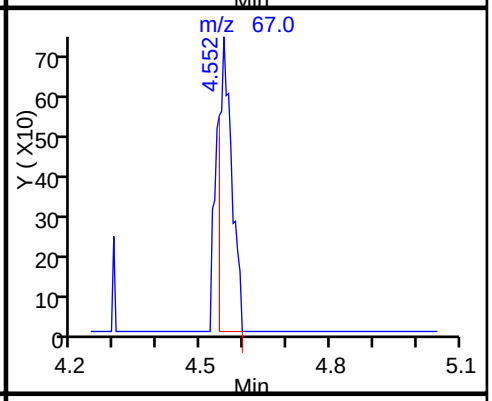
Injection Date:	06-Aug-2014 16:59:30	Instrument ID:	CHW.i		
Lims ID:	280-58004-A-7	Lab Sample ID:	200-58004-7		
Client ID:	785VMP0202MA				
Operator ID:	BPL	ALS Bottle#:	6	Worklist Smp#:	7
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

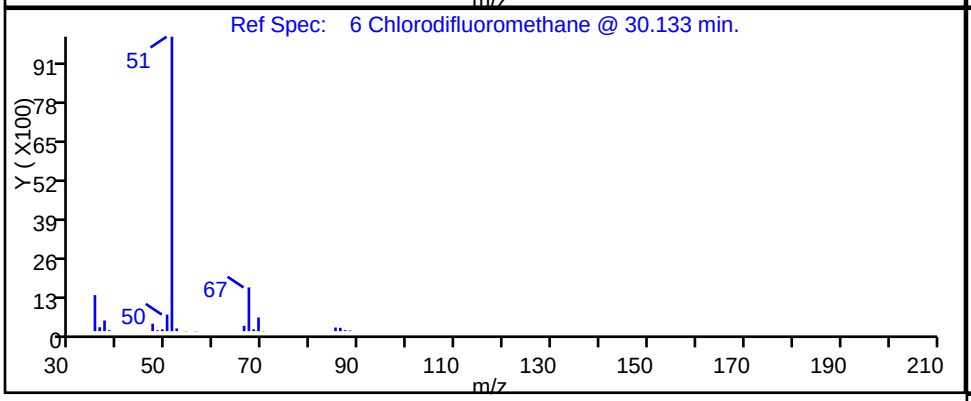
6 Chlorodifluoromethane, CAS: 75-45-6

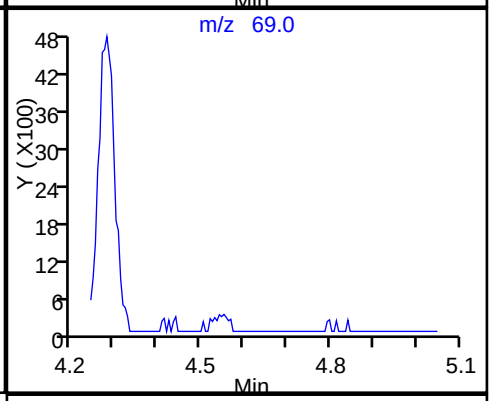


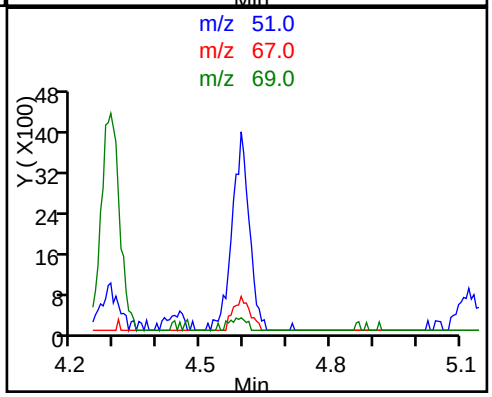












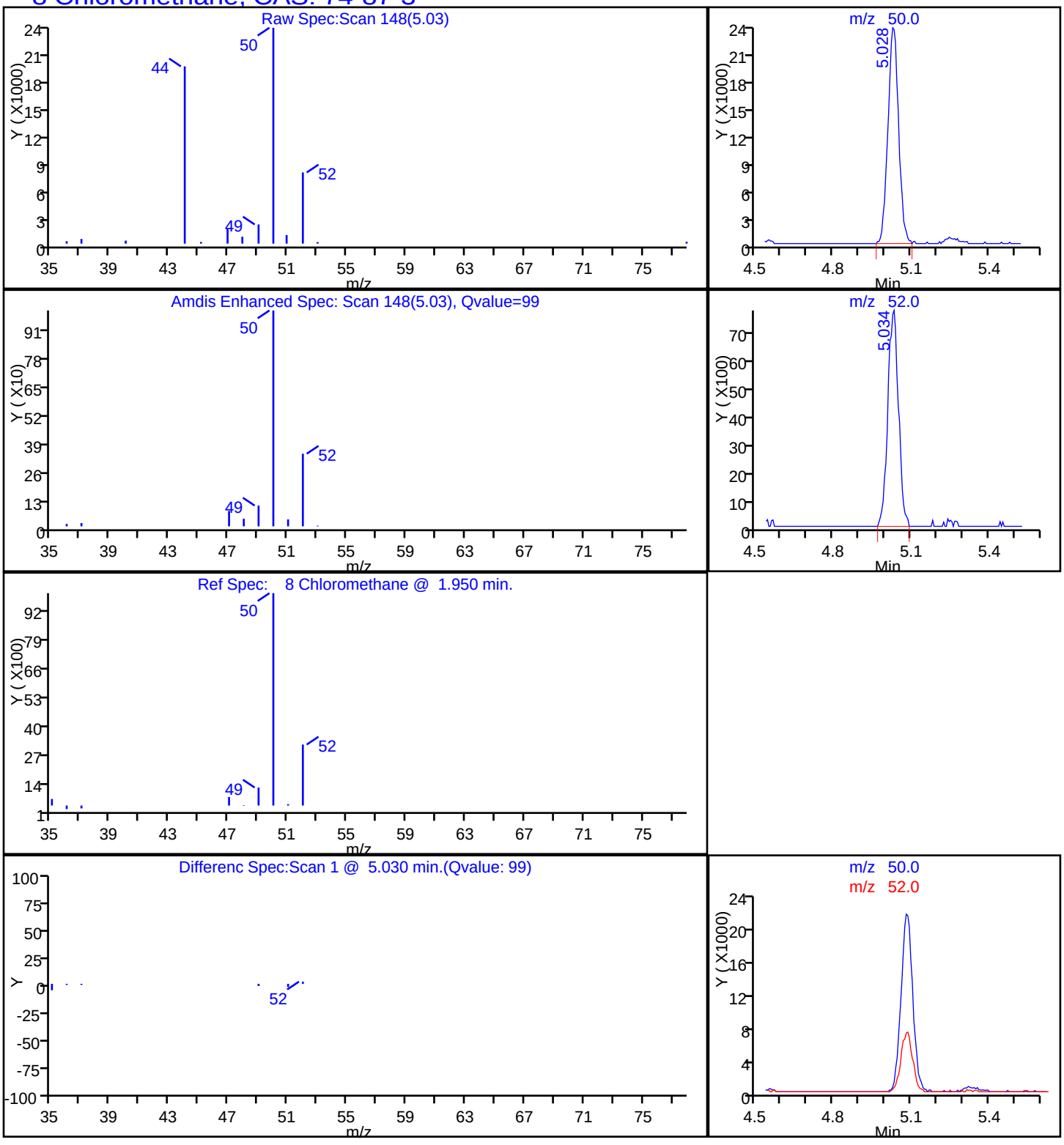
Report Date: 07-Aug-2014 09:51:35 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140806-8889.b\8889_007.d

Injection Date:	06-Aug-2014 16:59:30	Instrument ID:	CHW.i		
Lims ID:	280-58004-A-7	Lab Sample ID:	200-58004-7		
Client ID:	785VMP0202MA				
Operator ID:	BPL	ALS Bottle#:	6	Worklist Smp#:	7
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
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



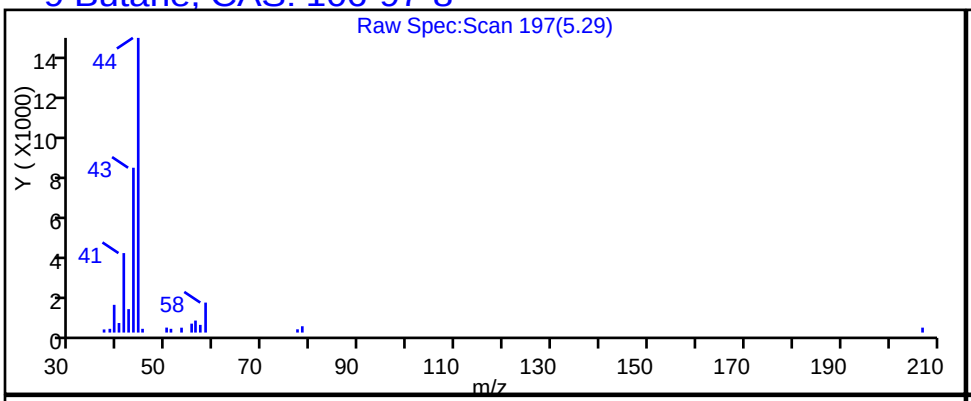
Report Date: 07-Aug-2014 09:51:35 Chrom Revision: 2.2 24-Jun-2014 07:21:42

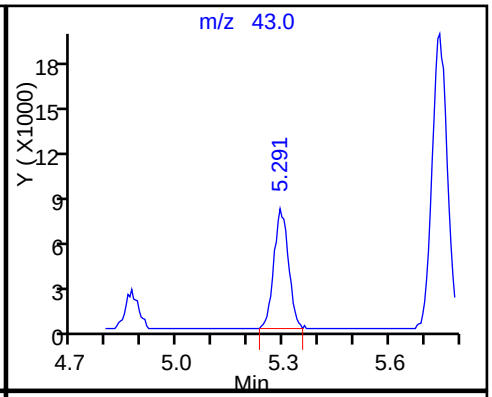
TestAmerica Burlington

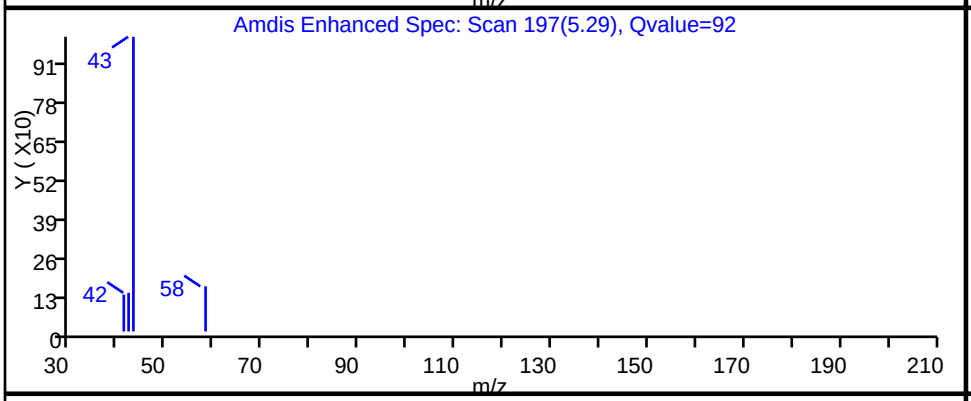
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140806-8889.b\8889_007.d

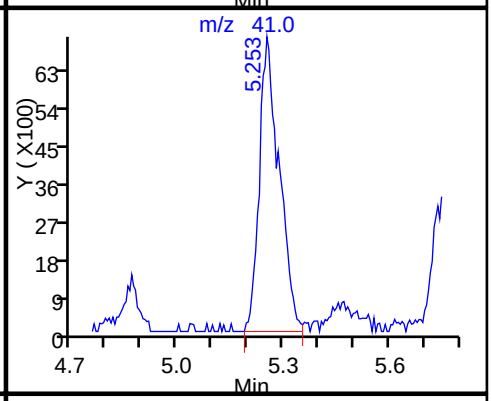
Injection Date:	06-Aug-2014 16:59:30	Instrument ID:	CHW.i		
Lims ID:	280-58004-A-7	Lab Sample ID:	200-58004-7		
Client ID:	785VMP0202MA				
Operator ID:	BPL	ALS Bottle#:	6	Worklist Smp#:	7
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

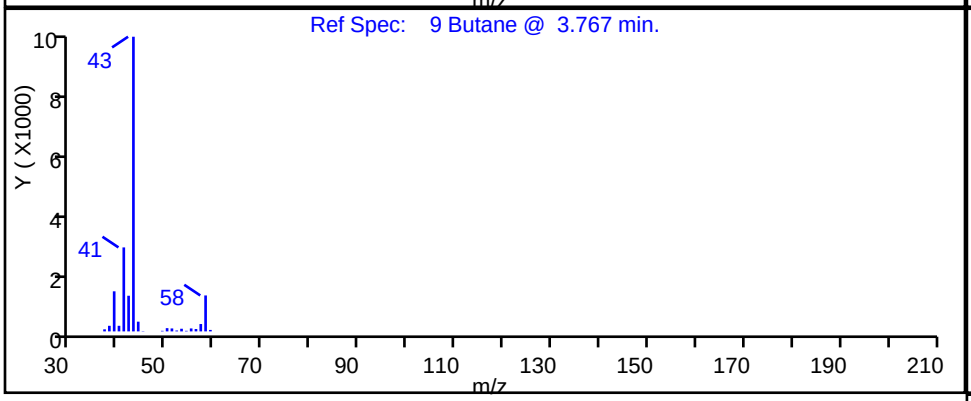
9 Butane, CAS: 106-97-8

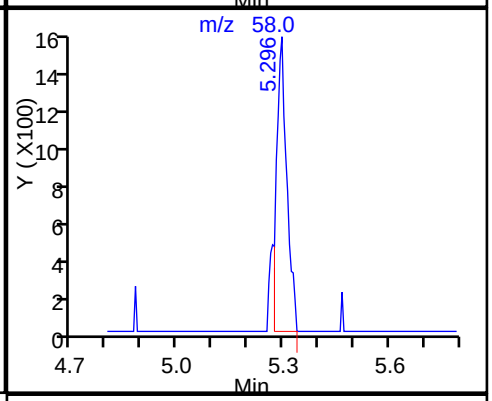


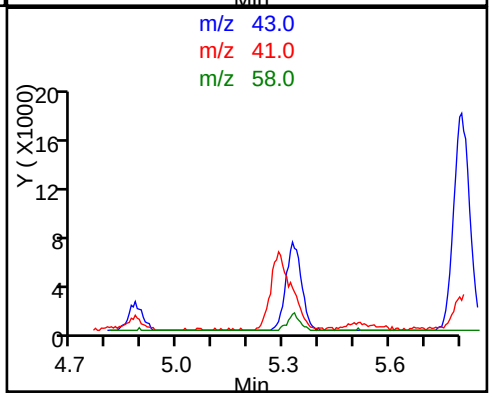












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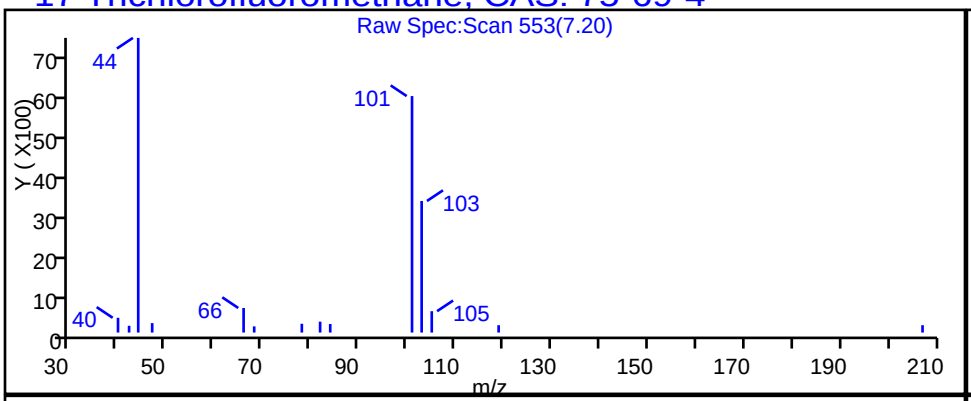
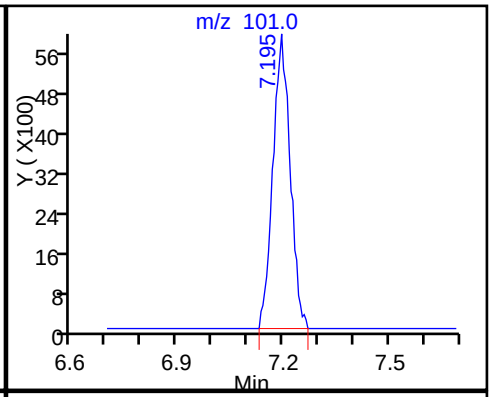
TestAmerica Burlington

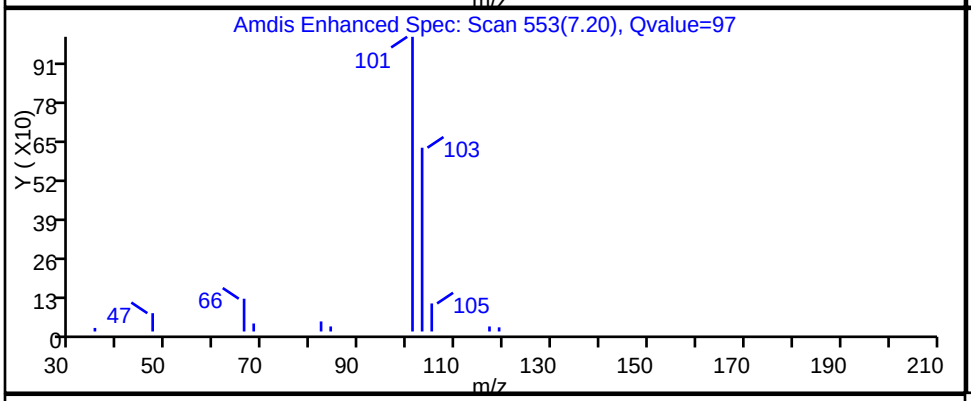
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140806-8889.b\8889_007.d

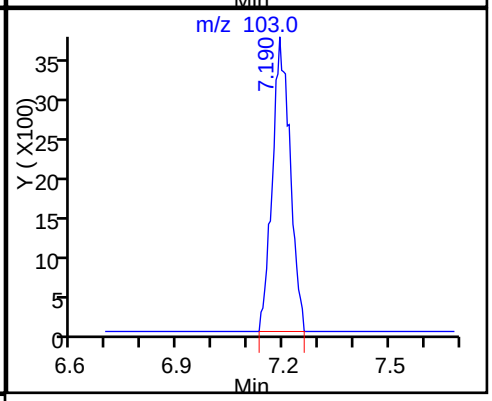
Injection Date:	06-Aug-2014 16:59:30	Instrument ID:	CHW.i		
Lims ID:	280-58004-A-7	Lab Sample ID:	200-58004-7		
Client ID:	785VMP0202MA				
Operator ID:	BPL	ALS Bottle#:	6	Worklist Smp#:	7
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

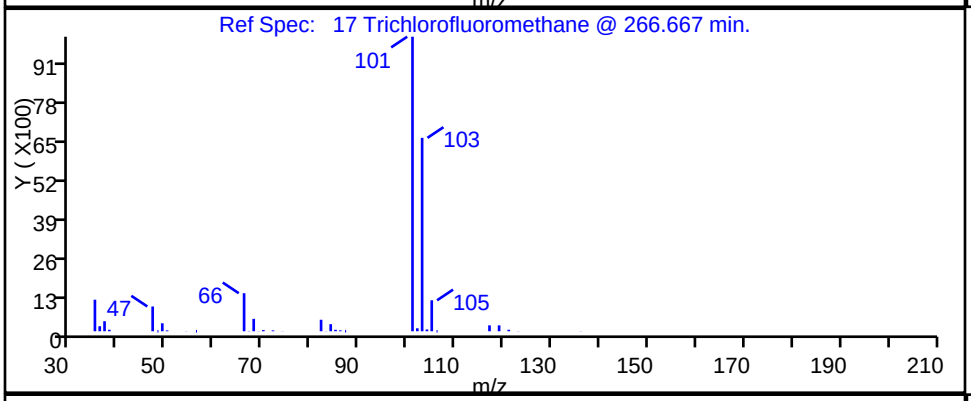
17 Trichlorofluoromethane, CAS: 75-69-4

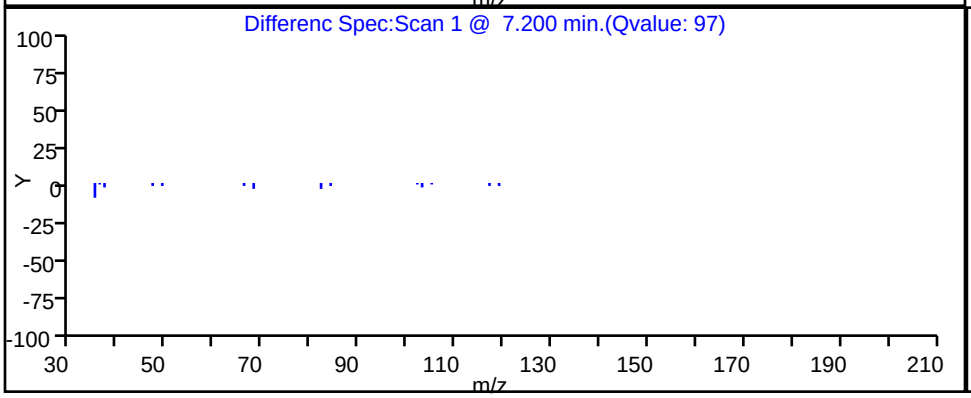


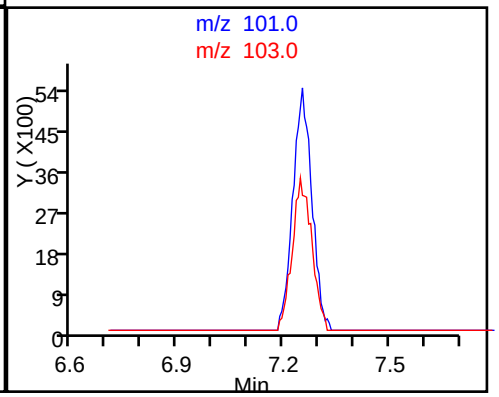












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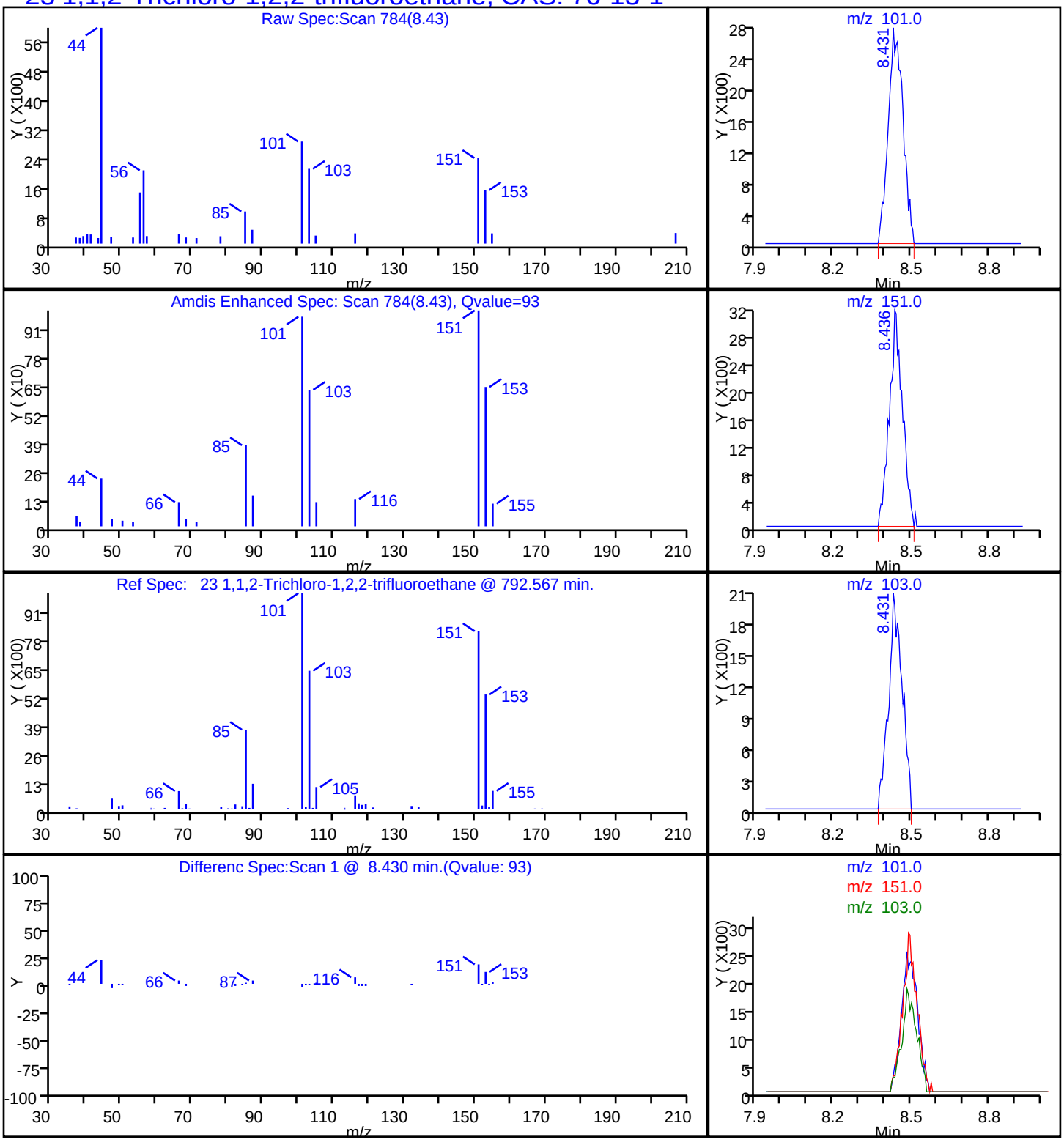
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140806-8889.b\8889_007.d

Injection Date:	06-Aug-2014 16:59:30	Instrument ID:	CHW.i		
Lims ID:	280-58004-A-7	Lab Sample ID:	200-58004-7		
Client ID:	785VMP0202MA				
Operator ID:	BPL	ALS Bottle#:	6	Worklist Smp#:	7
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
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



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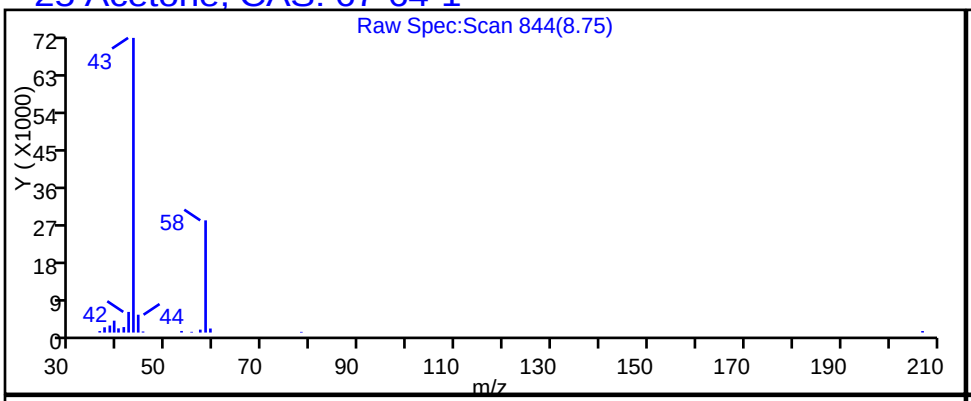
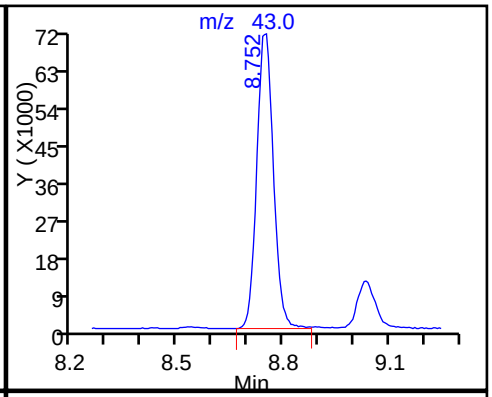
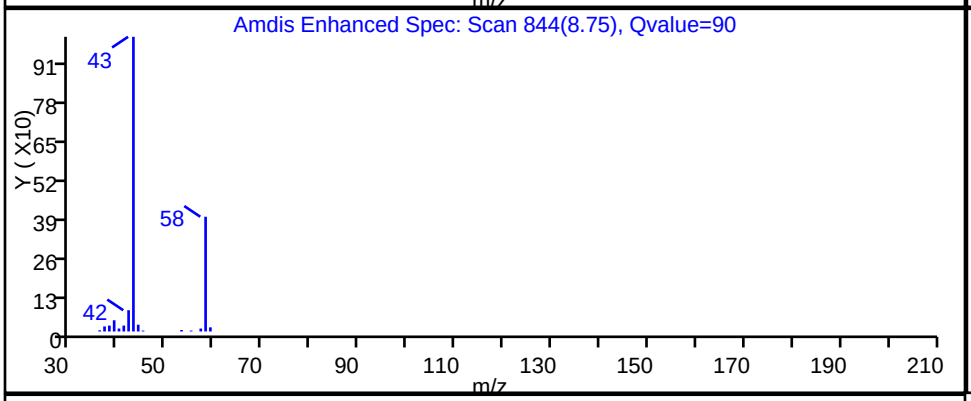
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140806-8889.b\8889_007.d

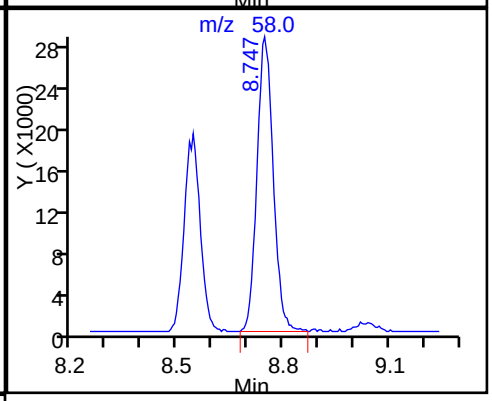
Injection Date:	06-Aug-2014 16:59:30	Instrument ID:	CHW.i		
Lims ID:	280-58004-A-7	Lab Sample ID:	200-58004-7		
Client ID:	785VMP0202MA				
Operator ID:	BPL	ALS Bottle#:	6	Worklist Smp#:	7
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

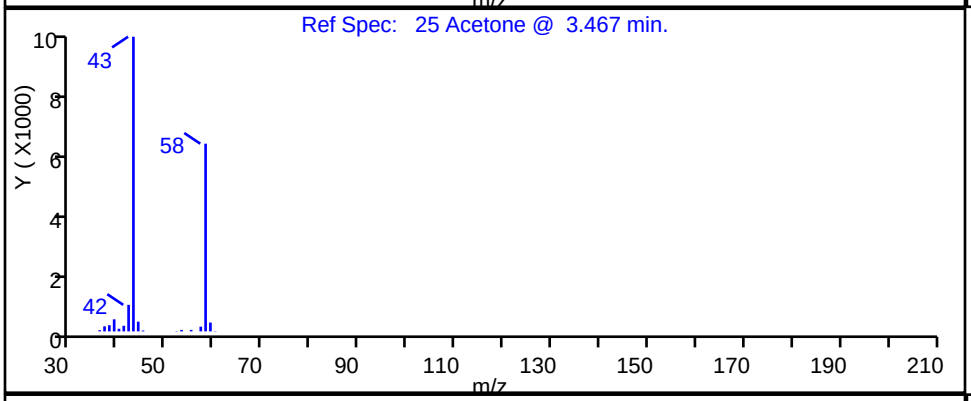
25 Acetone, CAS: 67-64-1

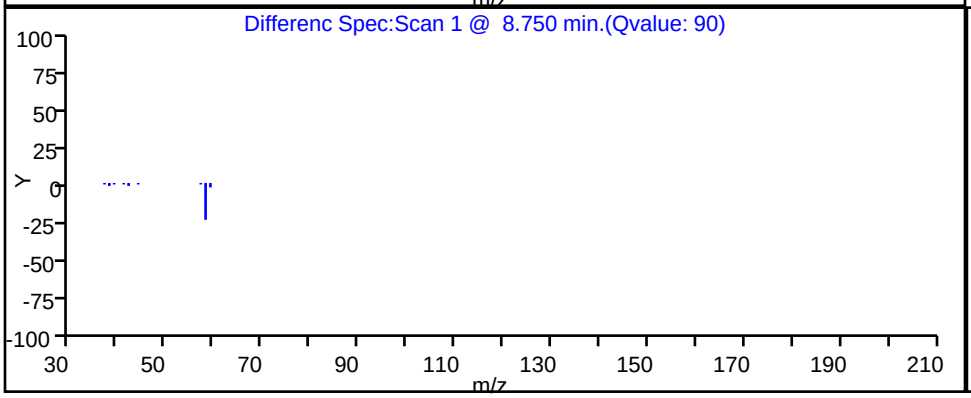


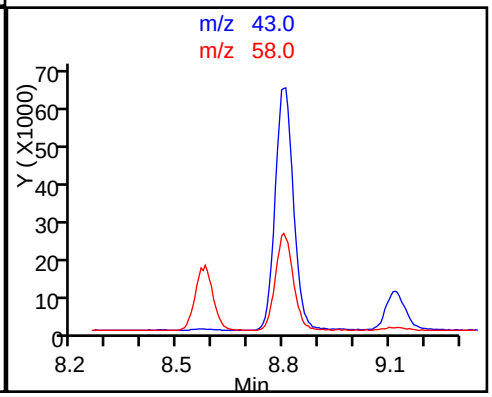












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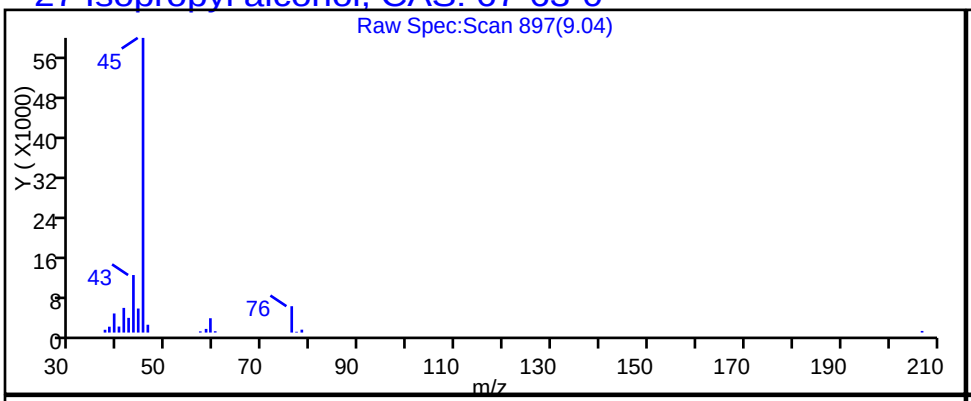
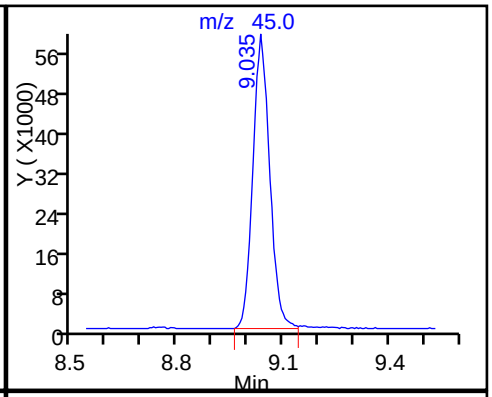
TestAmerica Burlington

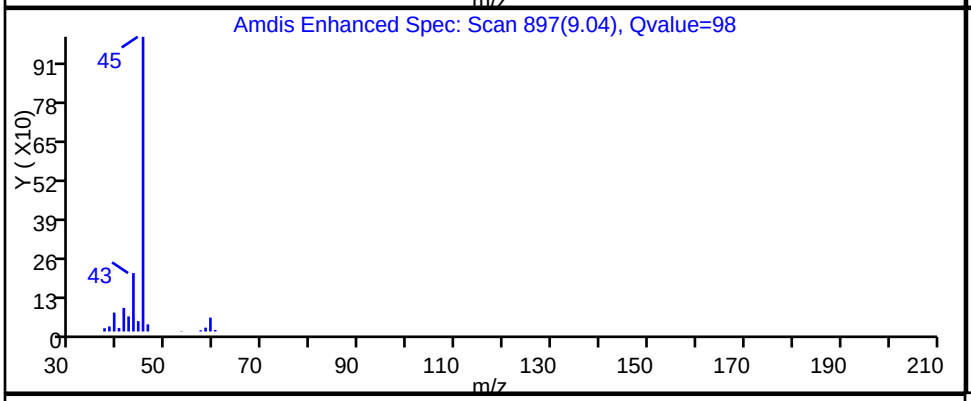
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140806-8889.b\8889_007.d

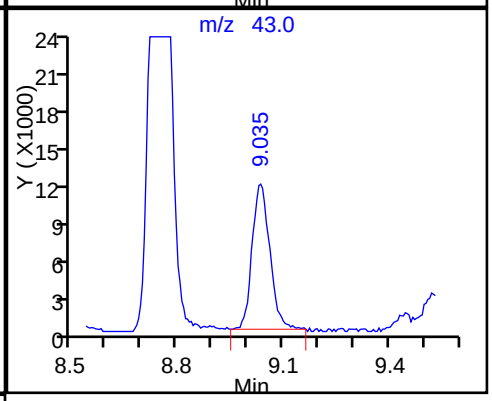
Injection Date:	06-Aug-2014 16:59:30	Instrument ID:	CHW.i		
Lims ID:	280-58004-A-7	Lab Sample ID:	200-58004-7		
Client ID:	785VMP0202MA				
Operator ID:	BPL	ALS Bottle#:	6	Worklist Smp#:	7
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

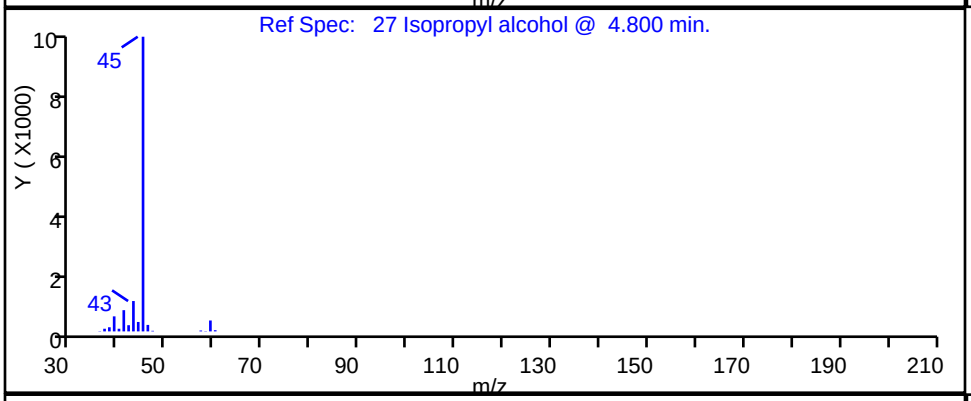
27 Isopropyl alcohol, CAS: 67-63-0

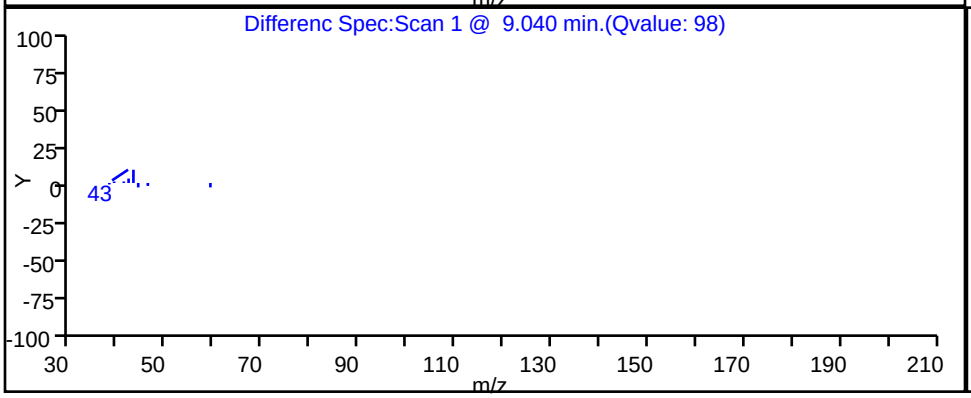


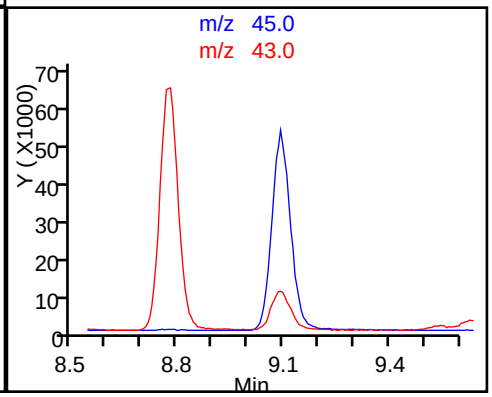












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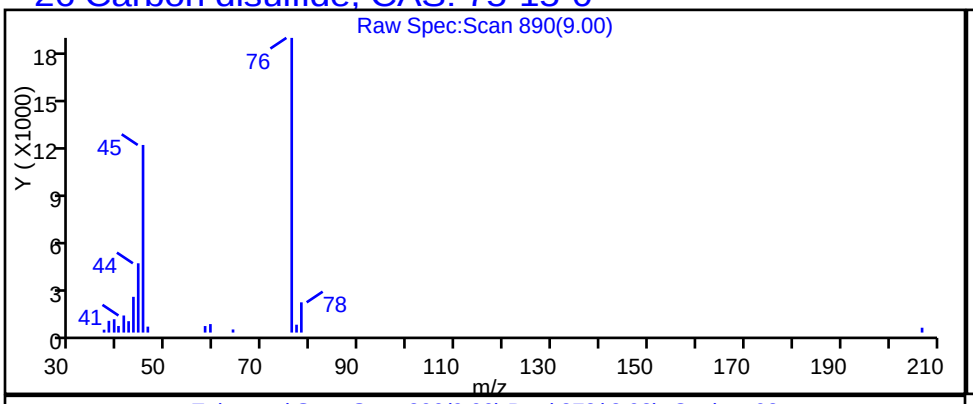
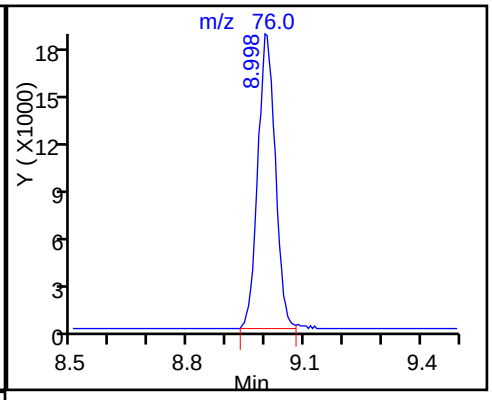
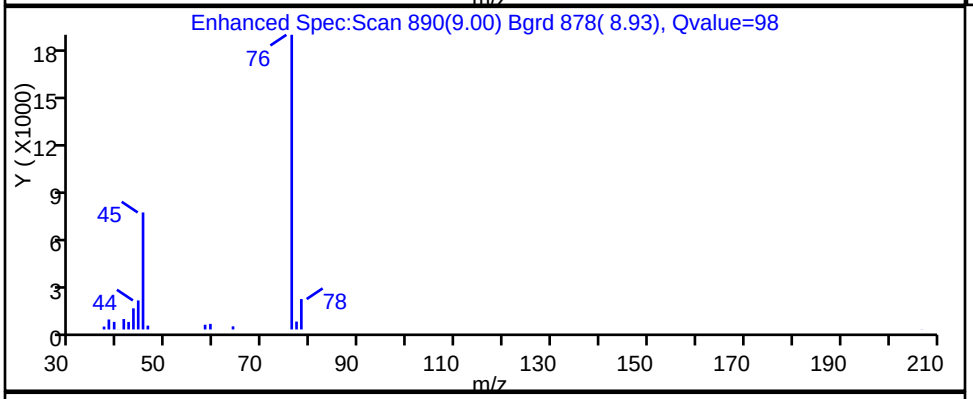
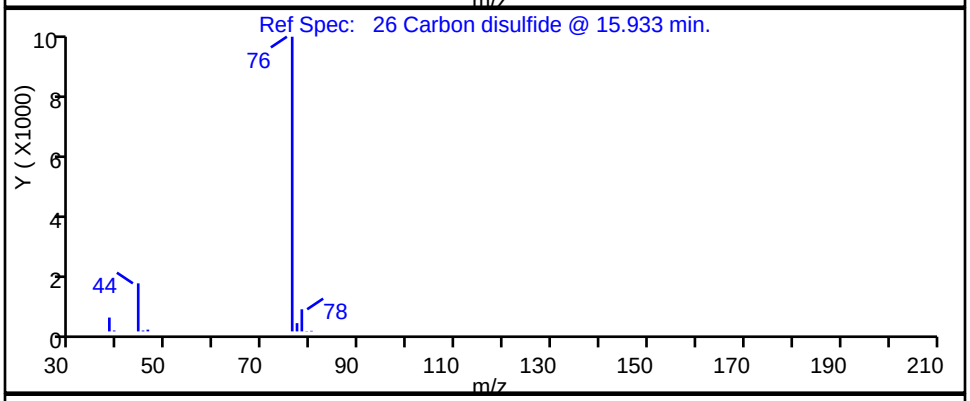
Injection Date:	06-Aug-2014 16:59:30	Instrument ID:	CHW.i		
Lims ID:	280-58004-A-7	Lab Sample ID:	200-58004-7		
Client ID:	785VMP0202MA				
Operator ID:	BPL	ALS Bottle#:	6	Worklist Smp#:	7
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

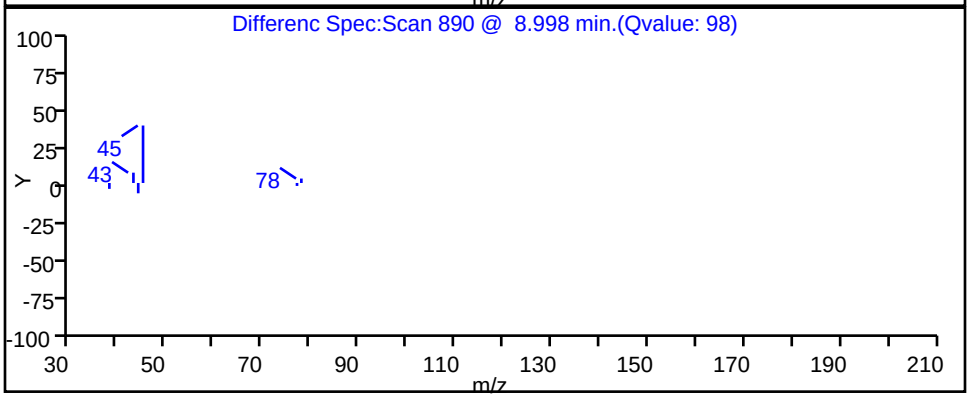
26 Carbon disulfide, CAS: 75-15-0











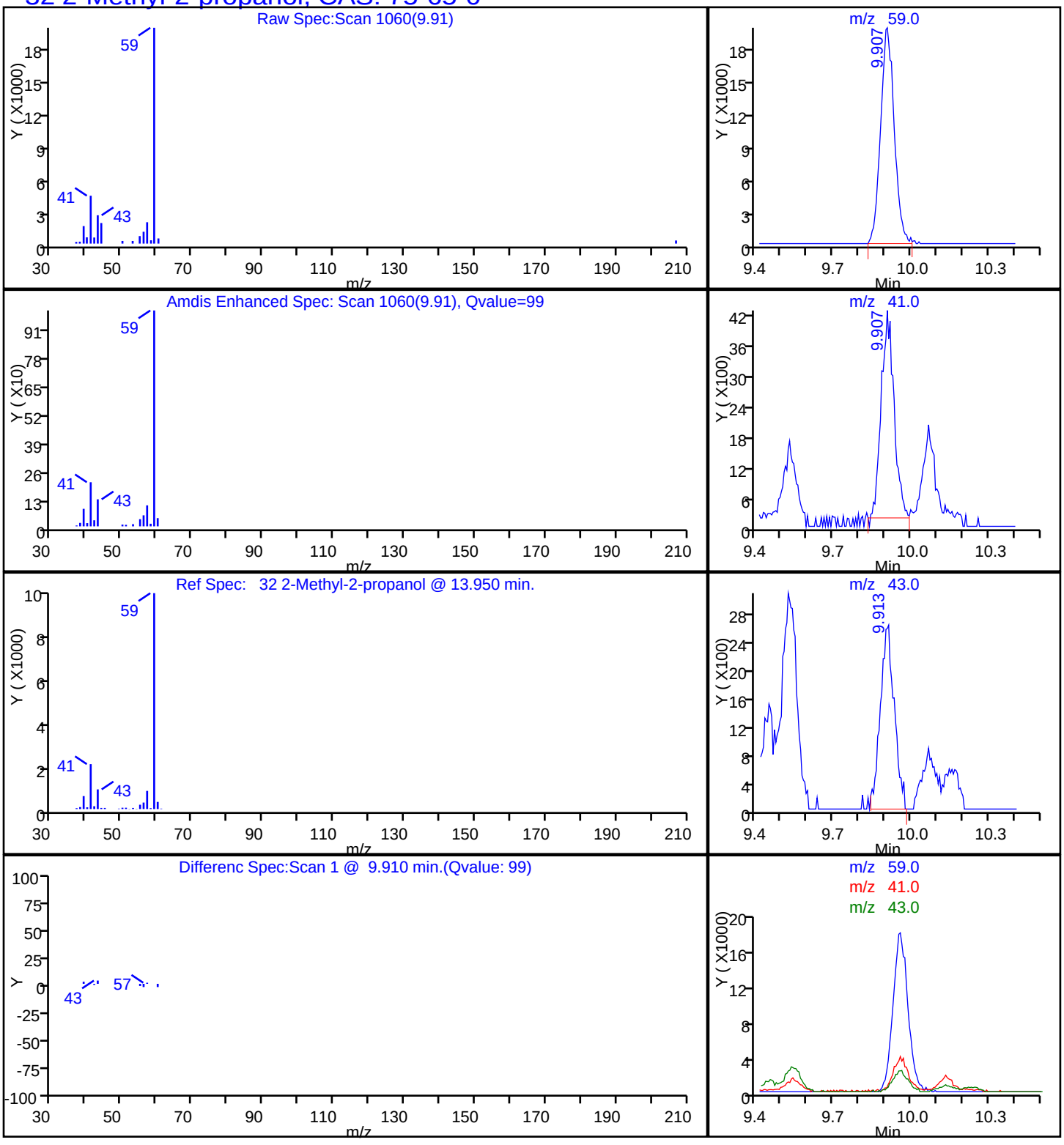
Report Date: 07-Aug-2014 09:51:35 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140806-8889.b\8889_007.d

Injection Date:	06-Aug-2014 16:59:30	Instrument ID:	CHW.i		
Lims ID:	280-58004-A-7	Lab Sample ID:	200-58004-7		
Client ID:	785VMP0202MA				
Operator ID:	BPL	ALS Bottle#:	6	Worklist Smp#:	7
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
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

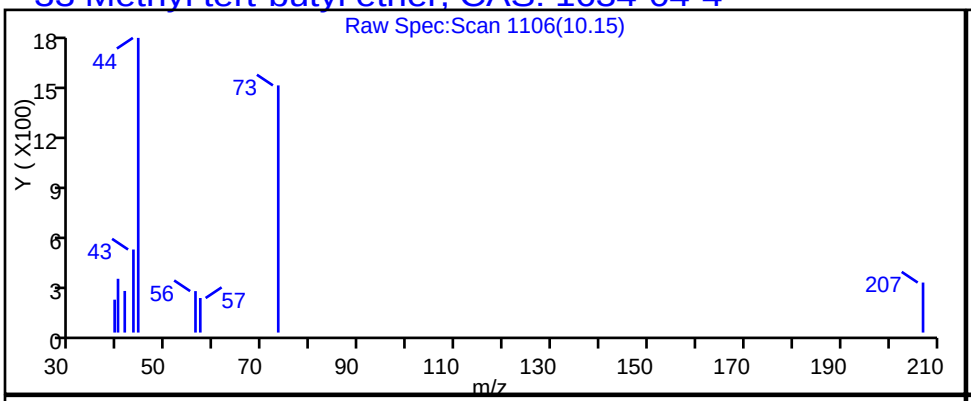


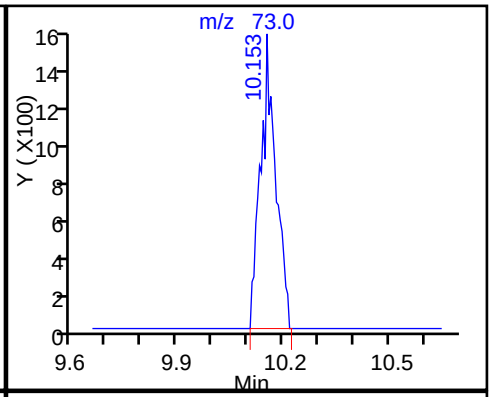
Report Date: 07-Aug-2014 09:51:35 Chrom Revision: 2.2 24-Jun-2014 07:21:42

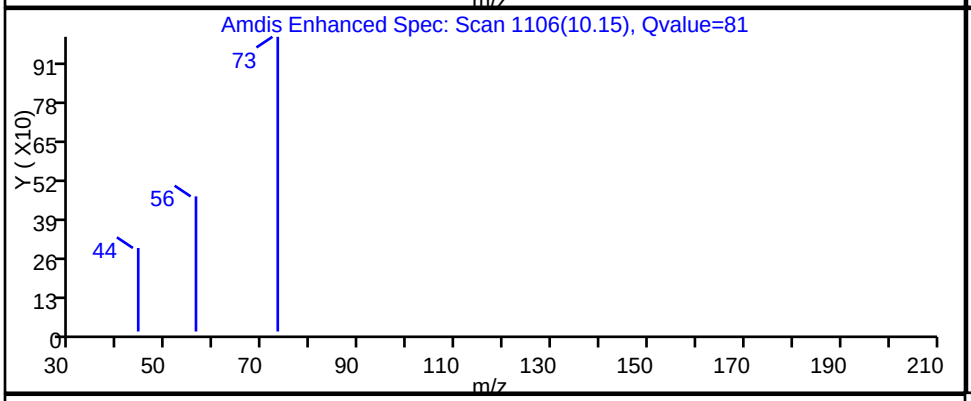
TestAmerica Burlington

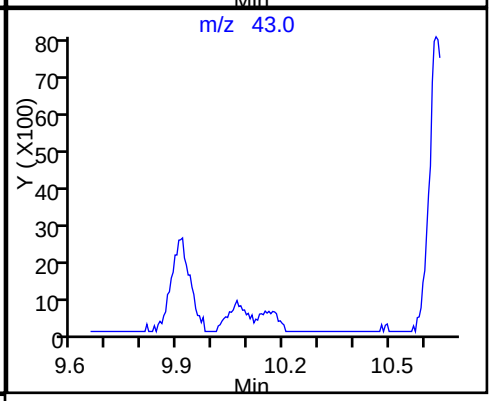
Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140806-8889.b\8889_007.d				
Injection Date:	06-Aug-2014 16:59:30	Instrument ID:	CHW.i		
Lims ID:	280-58004-A-7	Lab Sample ID:	200-58004-7		
Client ID:	785VMP0202MA				
Operator ID:	BPL	ALS Bottle#:	6	Worklist Smp#:	7
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

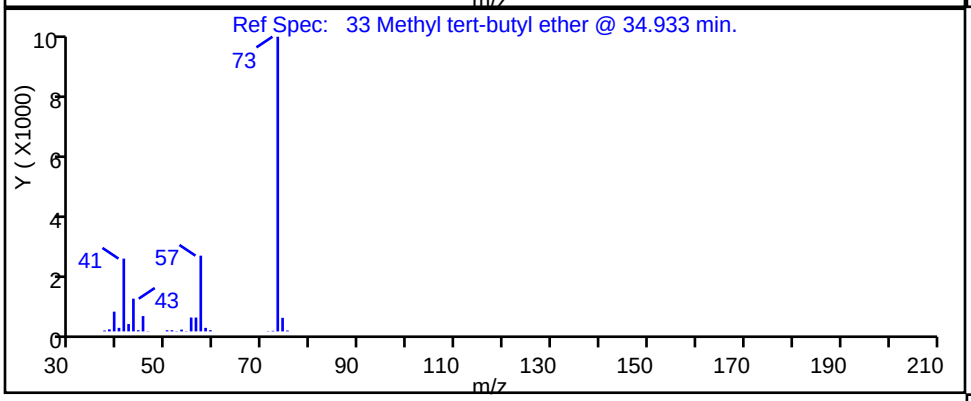
33 Methyl tert-butyl ether, CAS: 1634-04-4

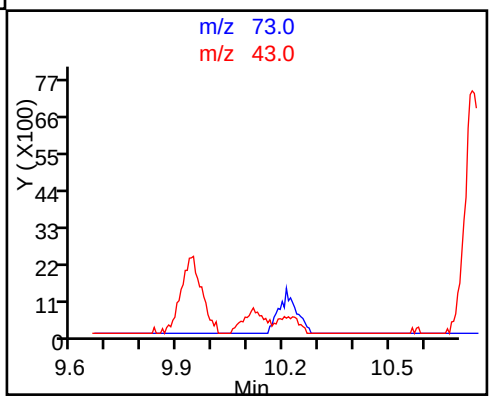












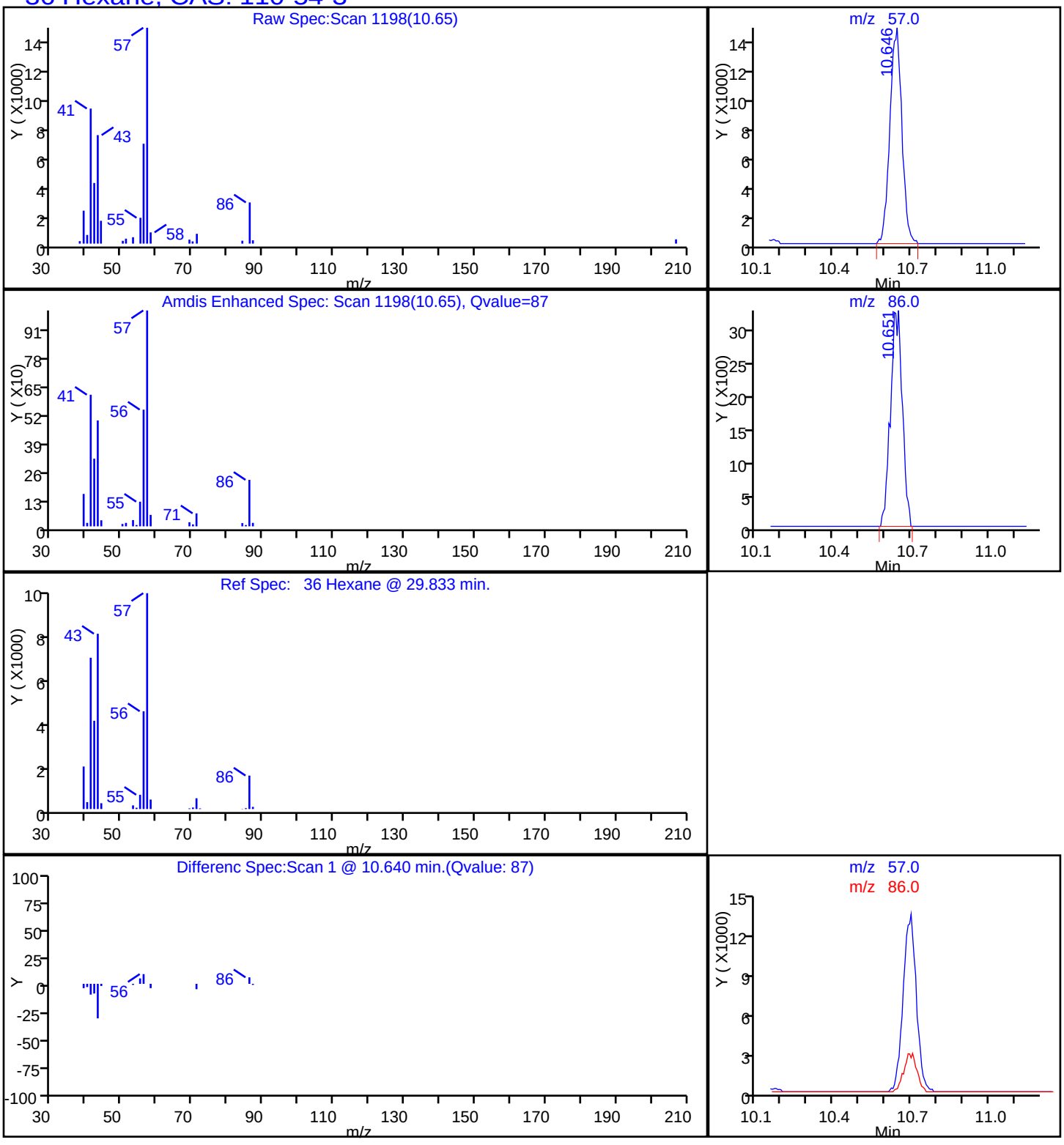
Report Date: 07-Aug-2014 09:51:35 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140806-8889.b\8889_007.d

Injection Date:	06-Aug-2014 16:59:30	Instrument ID:	CHW.i		
Lims ID:	280-58004-A-7	Lab Sample ID:	200-58004-7		
Client ID:	785VMP0202MA				
Operator ID:	BPL	ALS Bottle#:	6	Worklist Smp#:	7
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
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



Report Date: 07-Aug-2014 09:51:35 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140806-8889.b\8889_007.d

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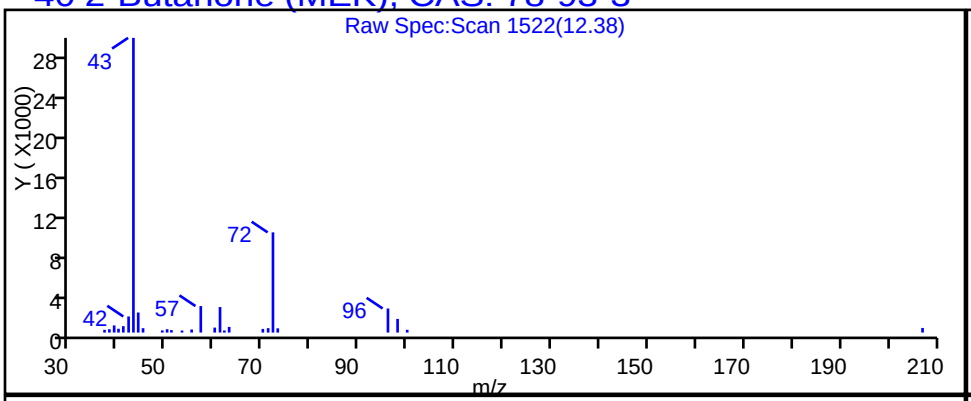
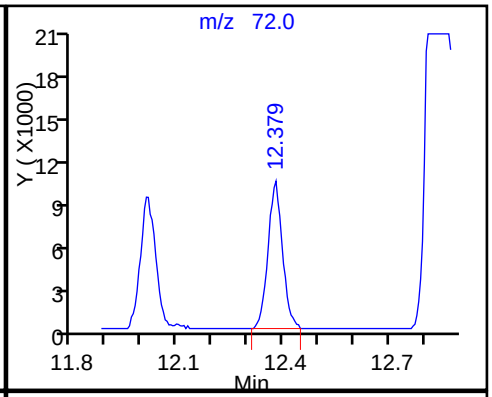
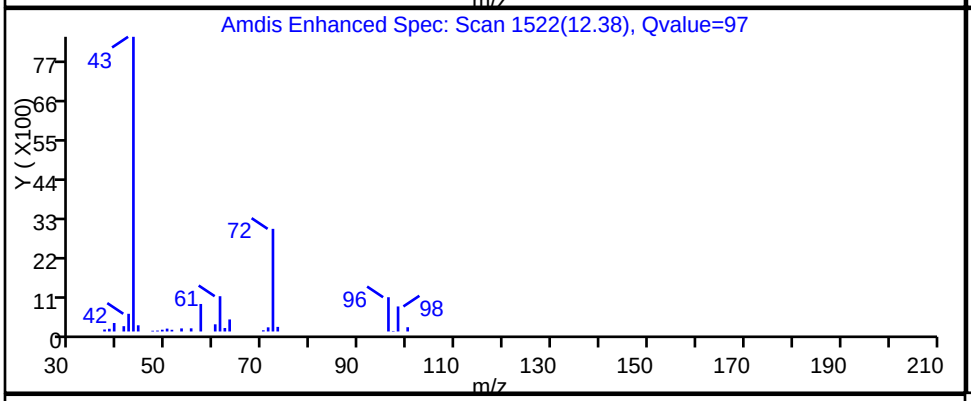
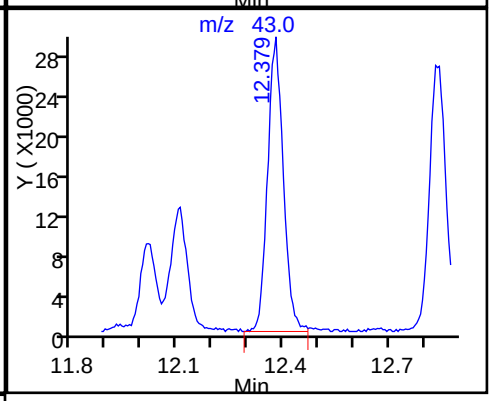
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

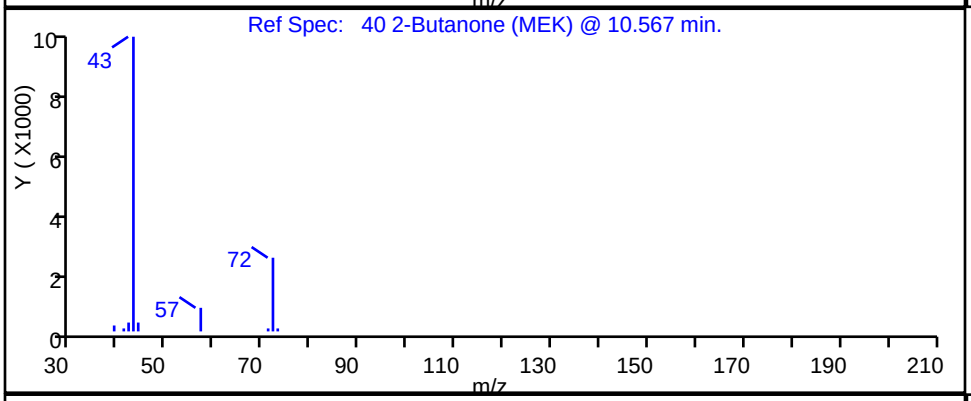
40 2-Butanone (MEK), CAS: 78-93-3

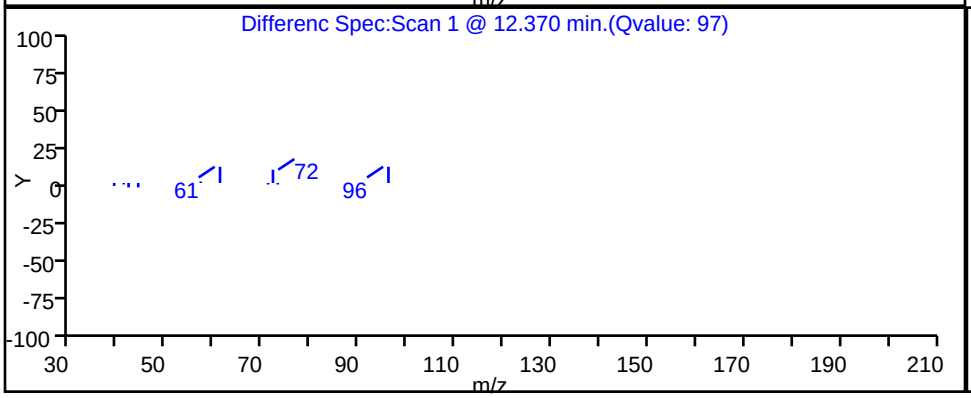


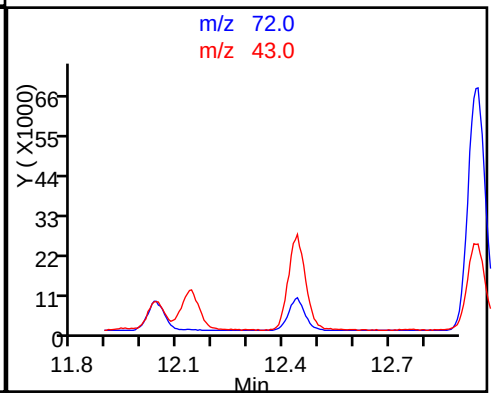












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TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140806-8889.b\8889_007.d

Injection Date:	06-Aug-2014 16:59:30	Instrument ID:	CHW.i		
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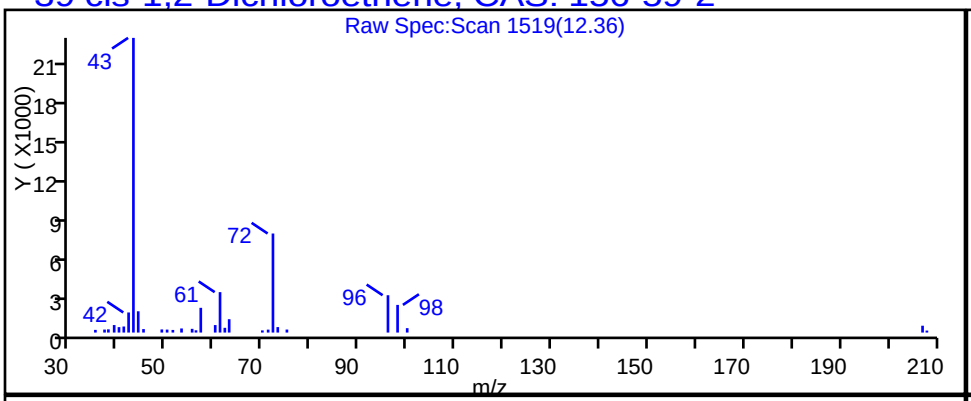
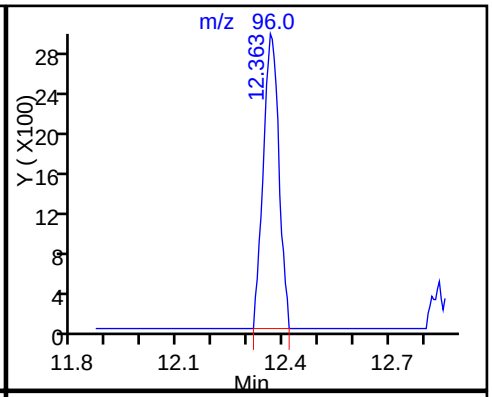
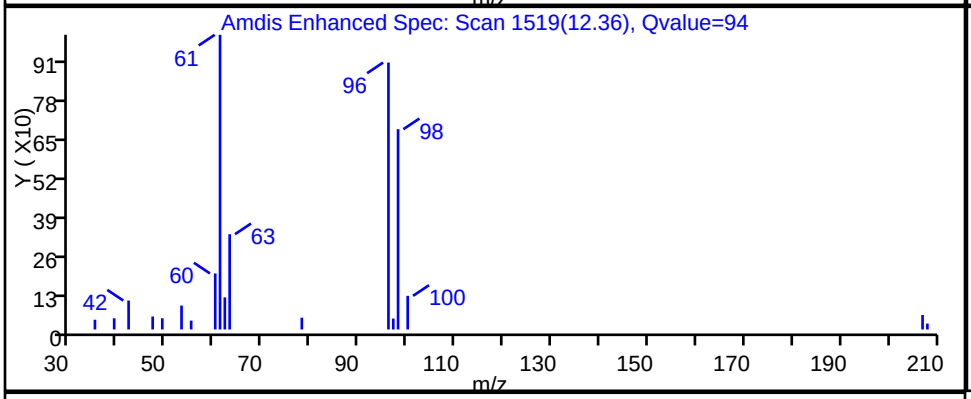
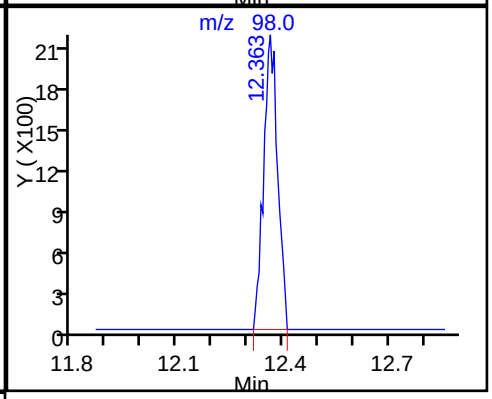
Operator ID:	BPL	ALS Bottle#:	6	Worklist Smp#:	7
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

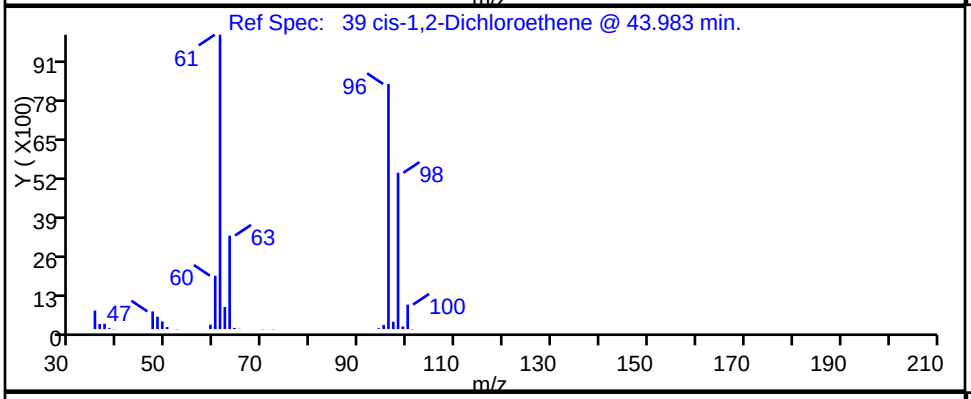
39 cis-1,2-Dichloroethene, CAS: 156-59-2

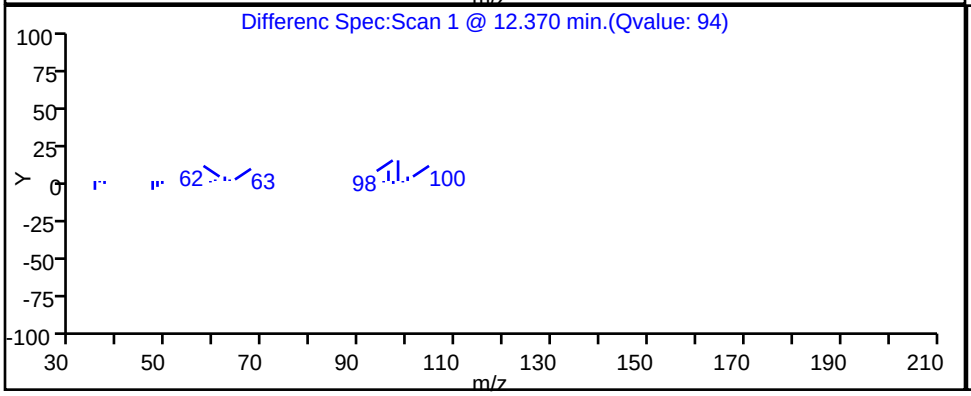


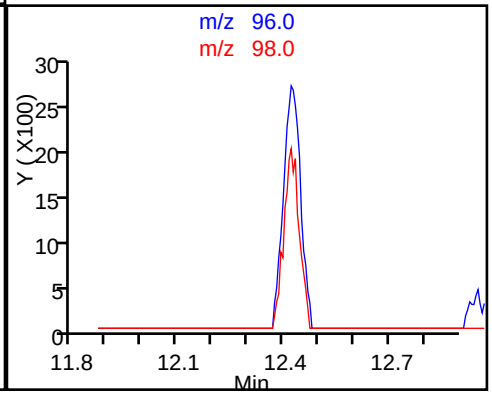












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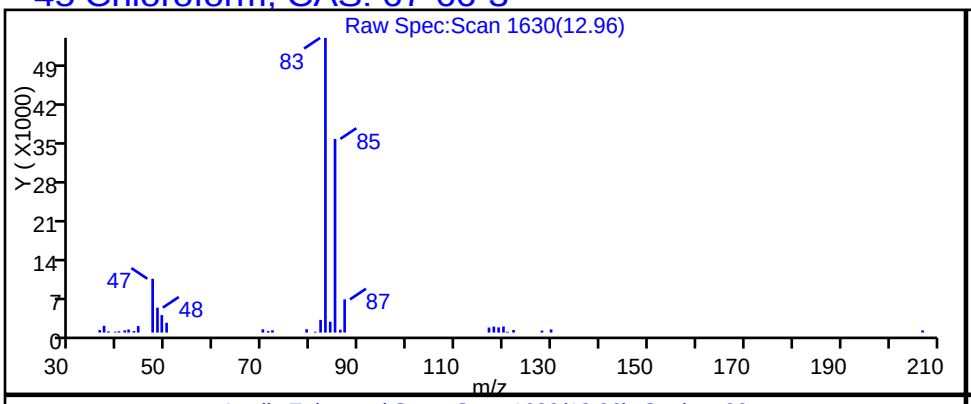
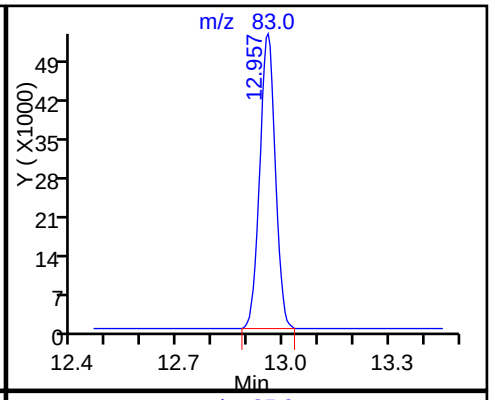
TestAmerica Burlington

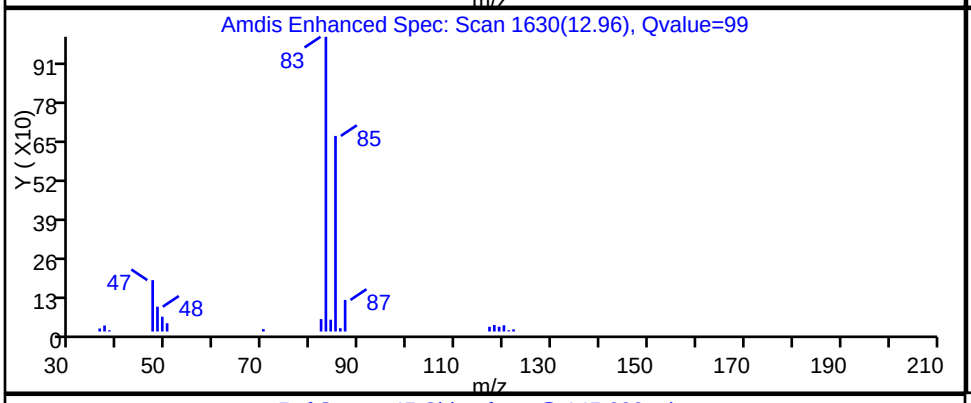
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140806-8889.b\8889_007.d

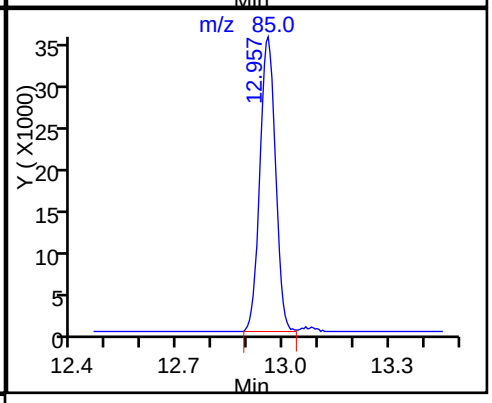
Injection Date:	06-Aug-2014 16:59:30	Instrument ID:	CHW.i		
Lims ID:	280-58004-A-7	Lab Sample ID:	200-58004-7		
Client ID:	785VMP0202MA				
Operator ID:	BPL	ALS Bottle#:	6	Worklist Smp#:	7
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

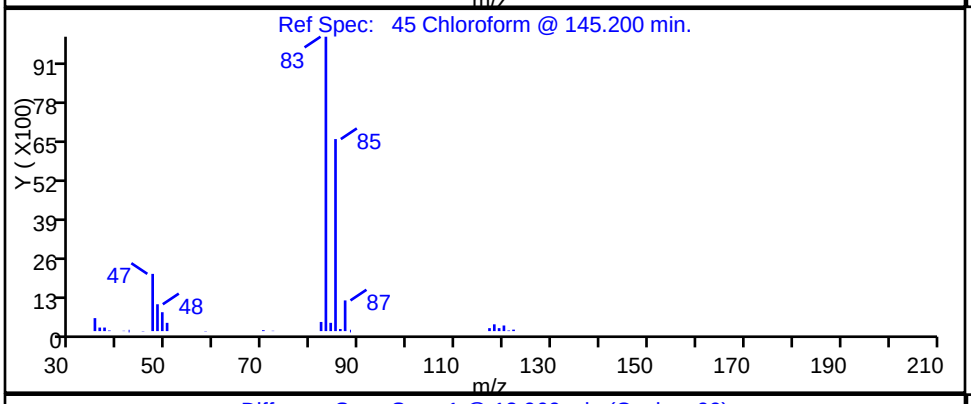
45 Chloroform, CAS: 67-66-3

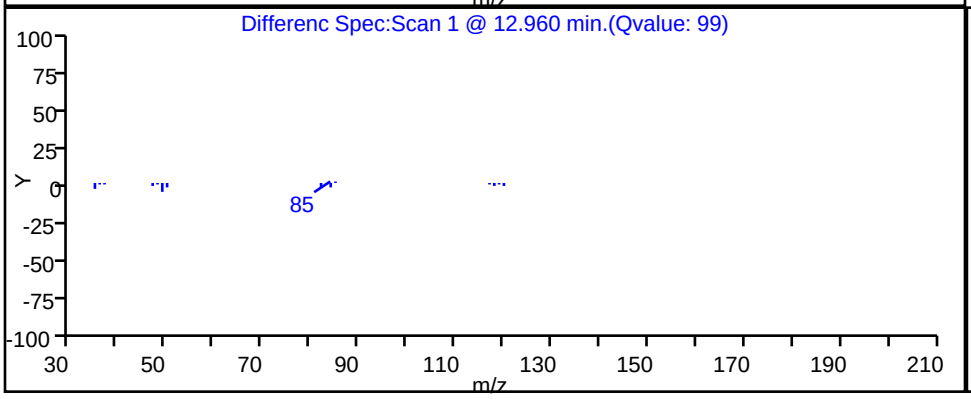


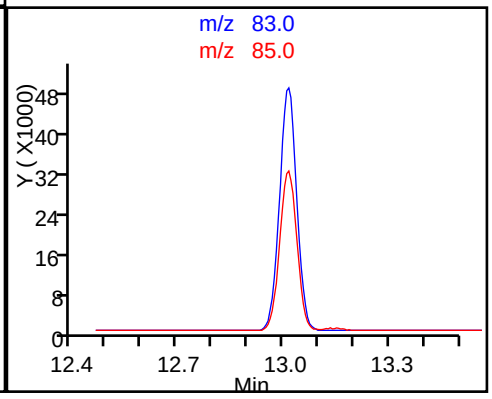












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Injection Date:	06-Aug-2014 16:59:30	Instrument ID:	CHW.i
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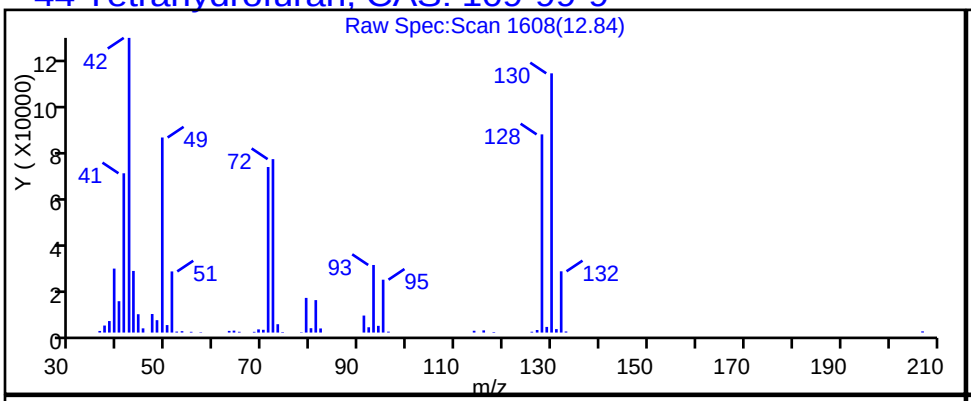
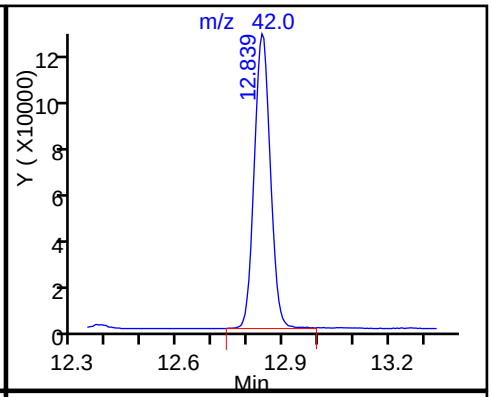
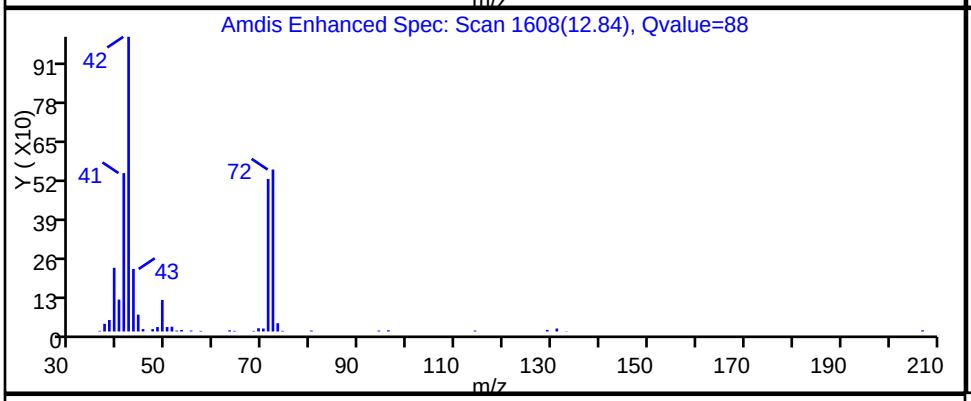
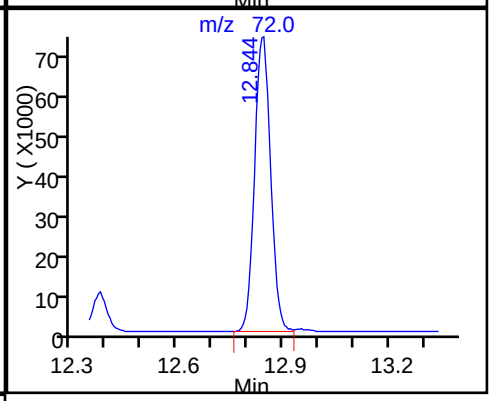
Operator ID:	BPL	ALS Bottle#:	6 Worklist Smp#: 7
Purge Vol:	200.000 mL	Dil. Factor:	2.0000
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN

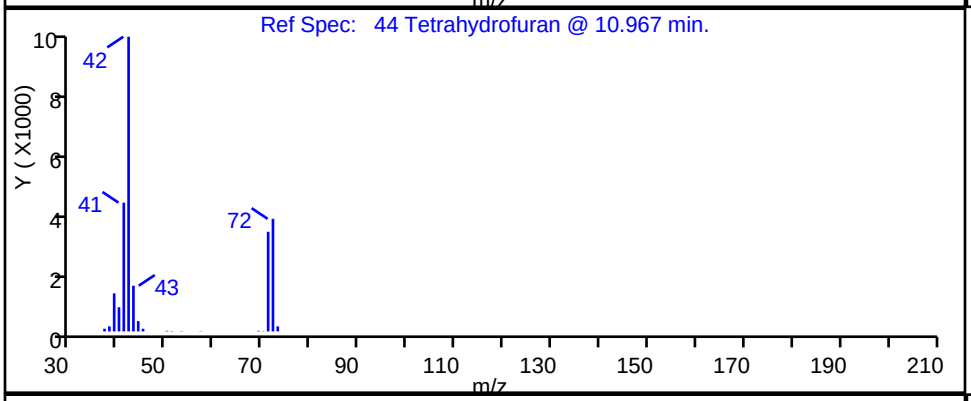
44 Tetrahydrofuran, CAS: 109-99-9

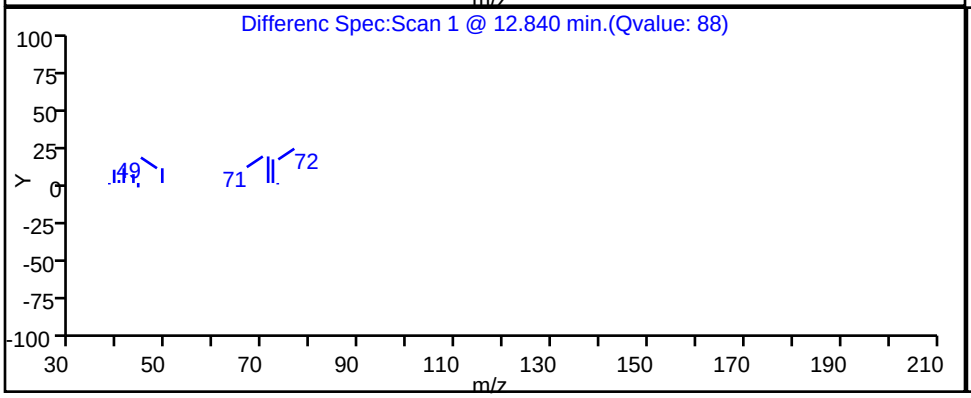


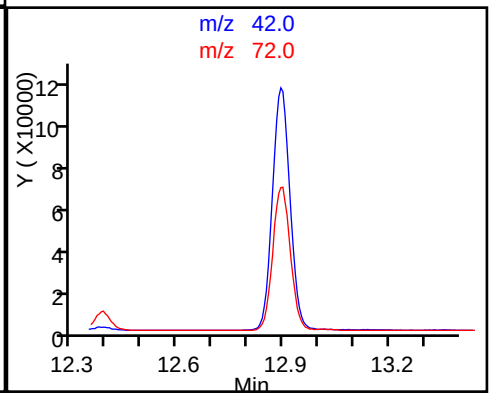












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Injection Date:	06-Aug-2014 16:59:30	Instrument ID:	CHW.i		
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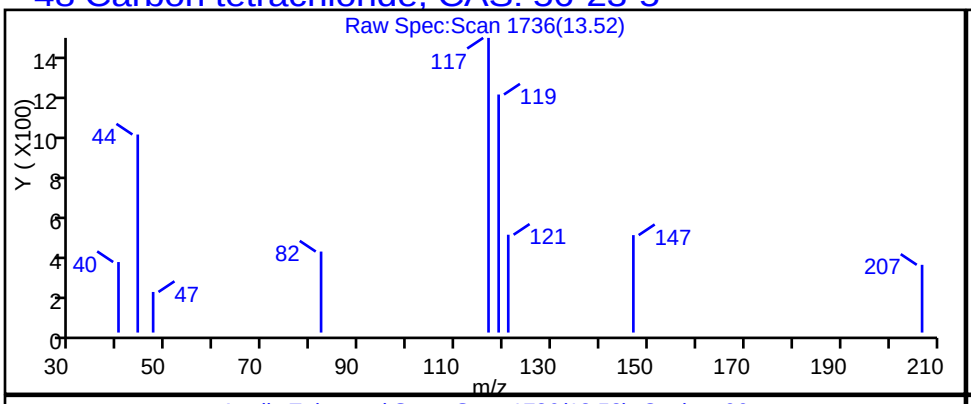
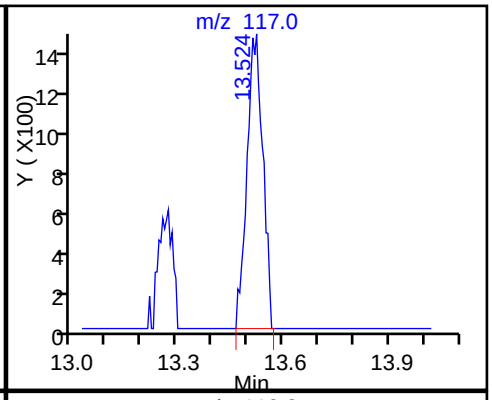
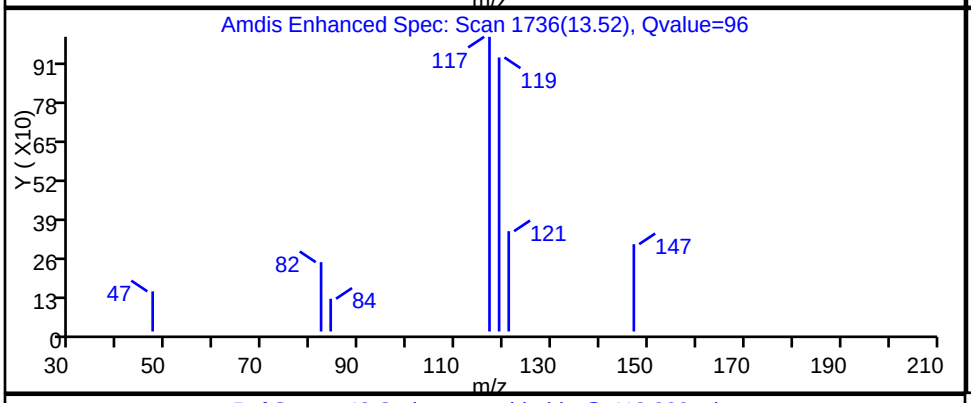
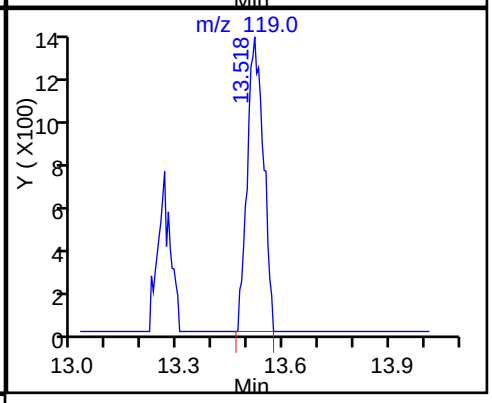
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

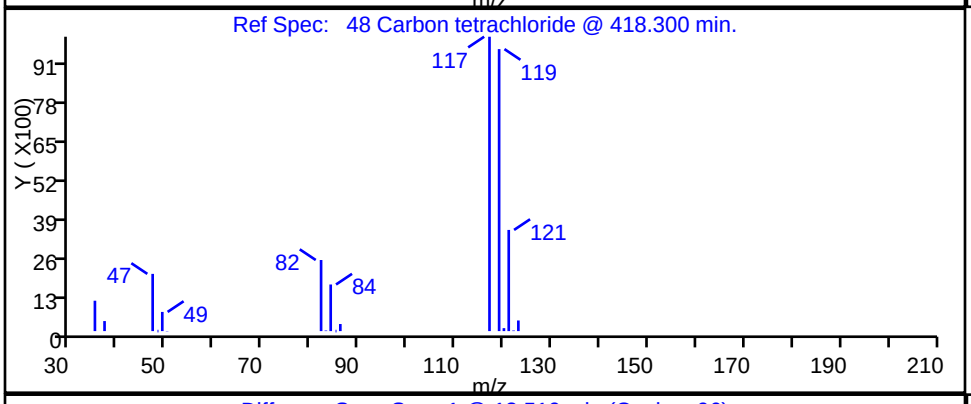
48 Carbon tetrachloride, CAS: 56-23-5

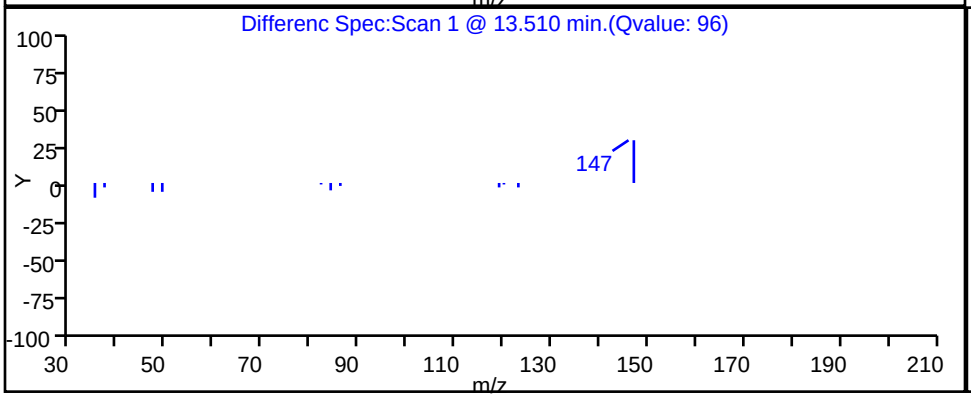


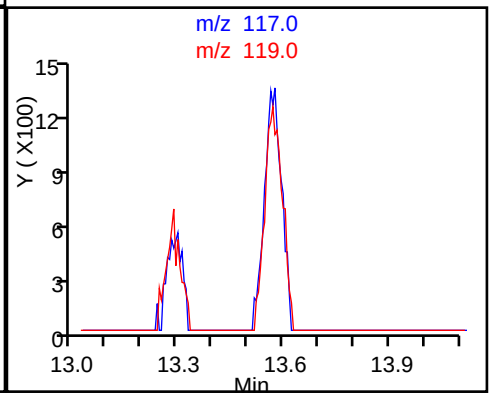












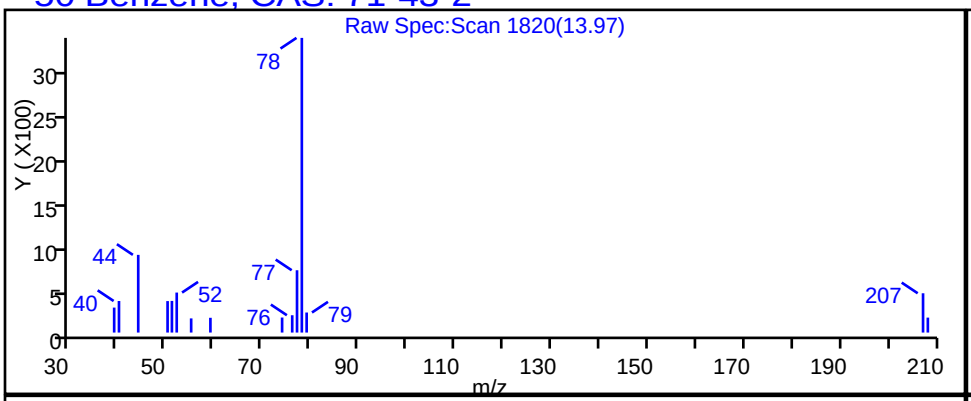
Report Date: 07-Aug-2014 09:51:35 Chrom Revision: 2.2 24-Jun-2014 07:21:42

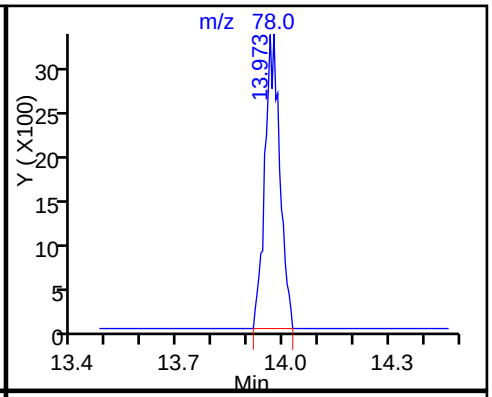
TestAmerica Burlington

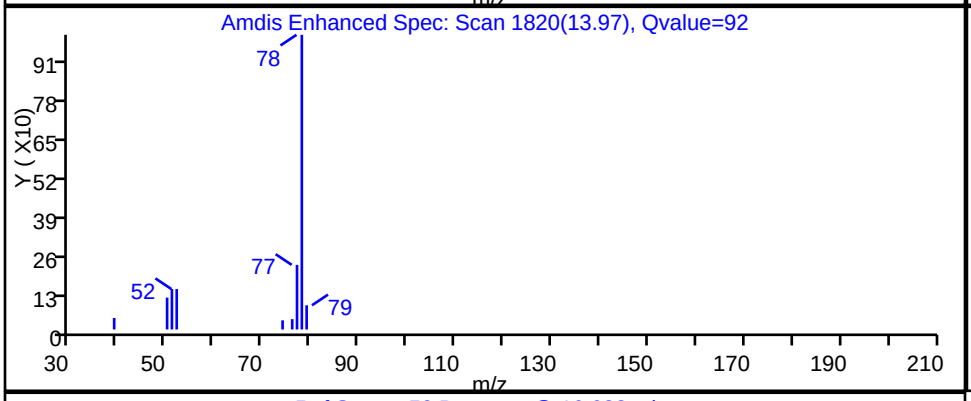
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140806-8889.b\8889_007.d

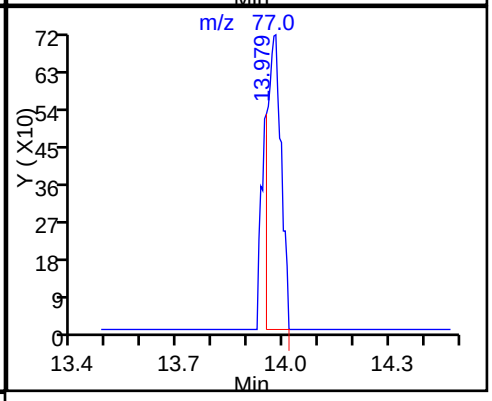
Injection Date:	06-Aug-2014 16:59:30	Instrument ID:	CHW.i		
Lims ID:	280-58004-A-7	Lab Sample ID:	200-58004-7		
Client ID:	785VMP0202MA				
Operator ID:	BPL	ALS Bottle#:	6	Worklist Smp#:	7
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

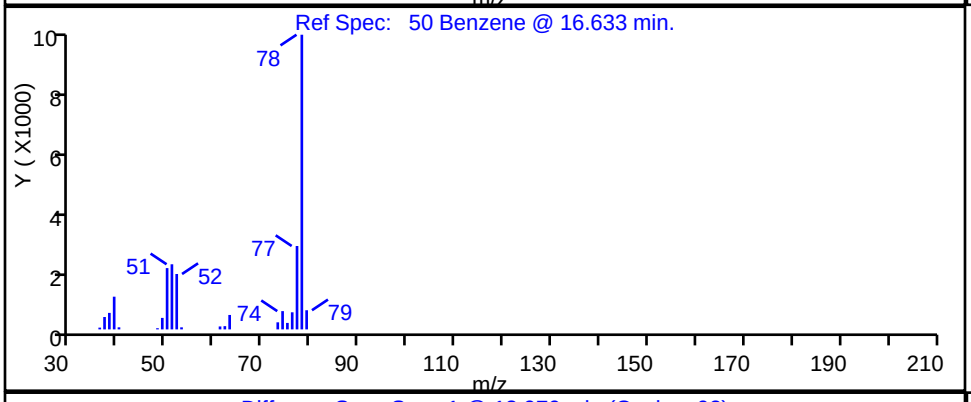
50 Benzene, CAS: 71-43-2

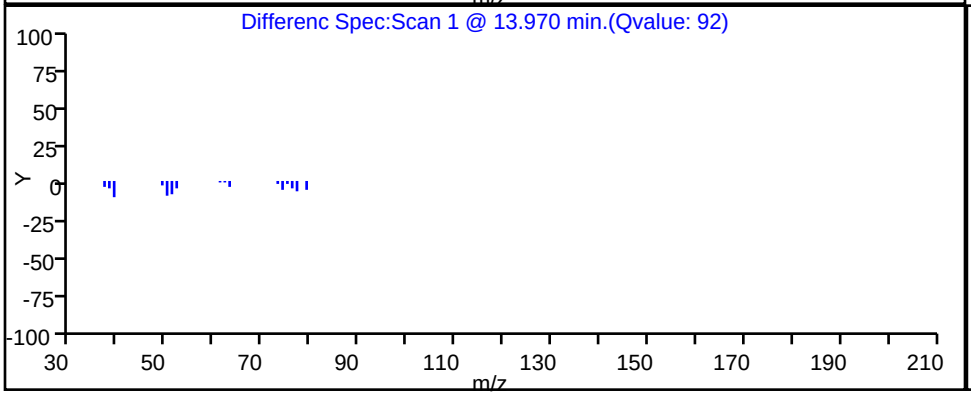


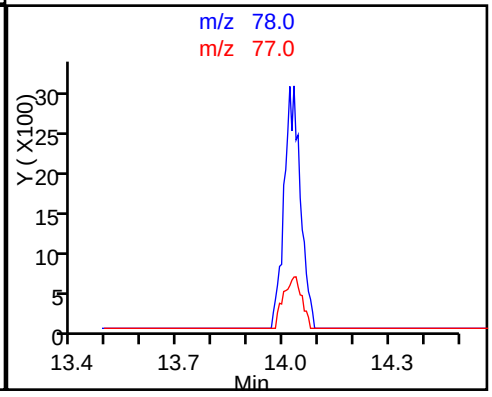












Report Date: 07-Aug-2014 09:51:35 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140806-8889.b\8889_007.d

Injection Date:	06-Aug-2014 16:59:30	Instrument ID:	CHW.i		
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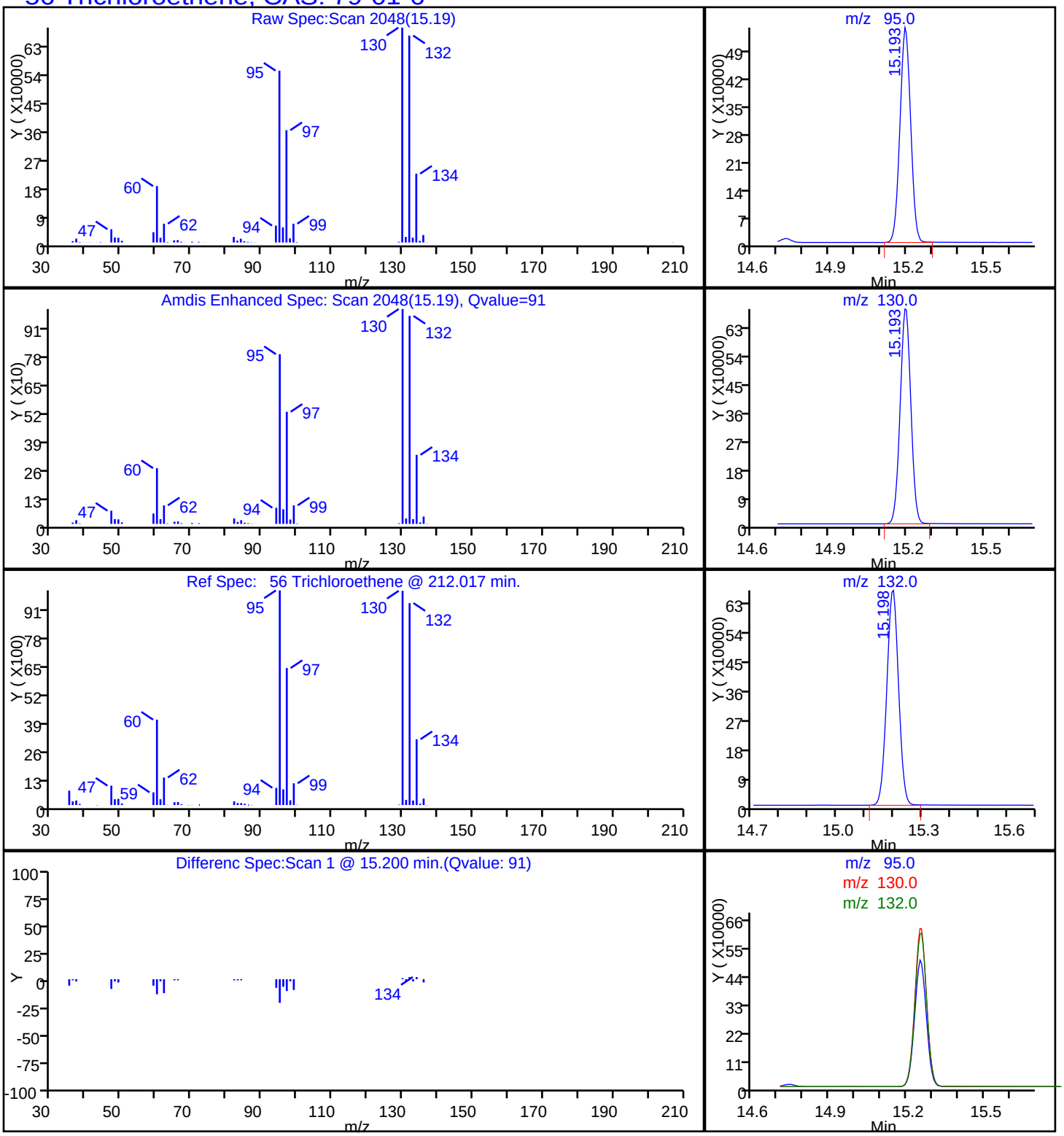
Client ID:	785VMP0202MA				
Operator ID:	BPL	ALS Bottle#:	6	Worklist Smp#:	7
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

56 Trichloroethene, CAS: 79-01-6



Report Date: 07-Aug-2014 09:51:35 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140806-8889.b\8889_007.d

Injection Date:	06-Aug-2014 16:59:30	Instrument ID:	CHW.i		
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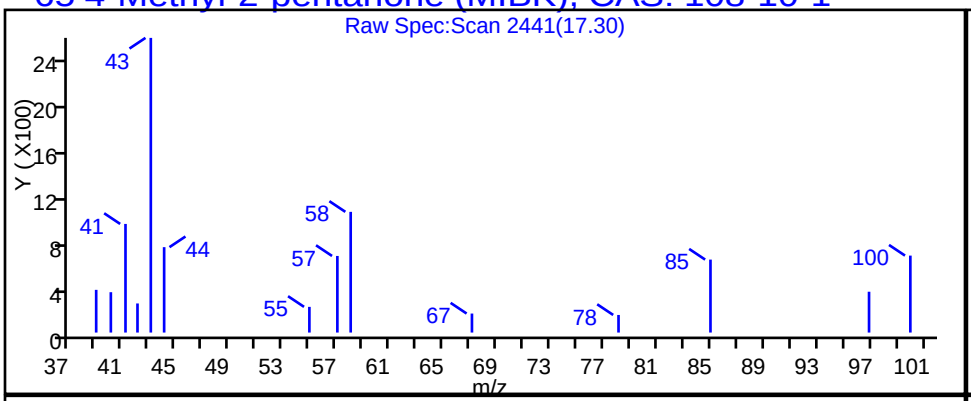
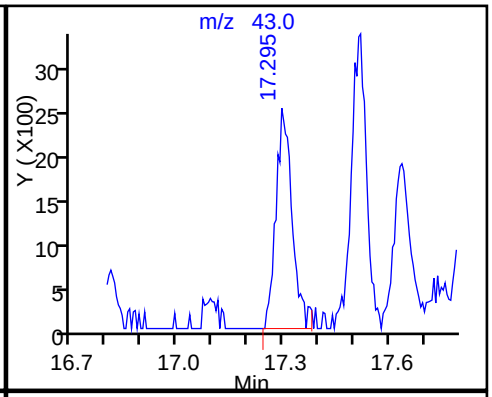
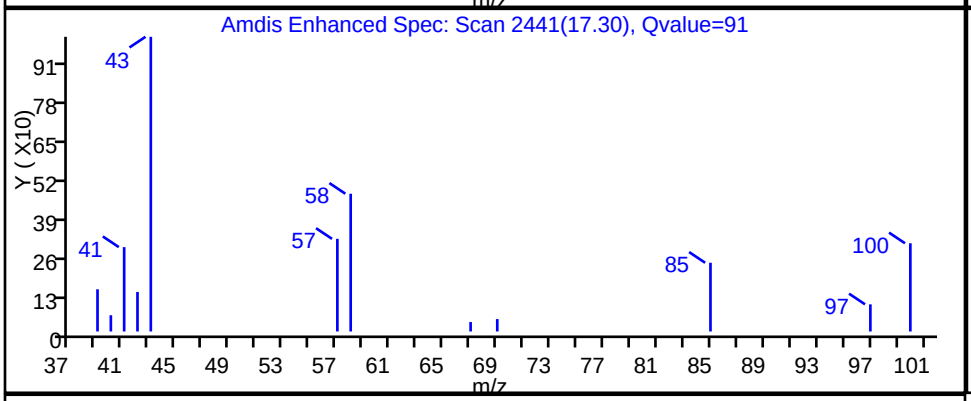
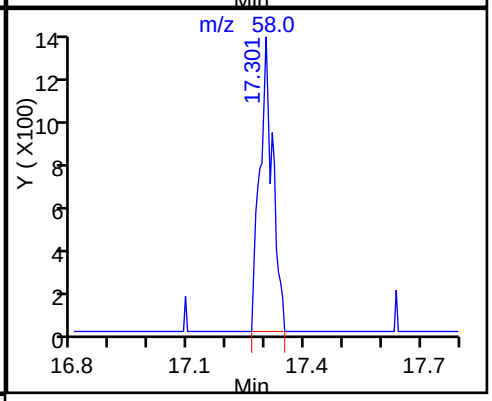
Operator ID:	BPL	ALS Bottle#:	6	Worklist Smp#:	7
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

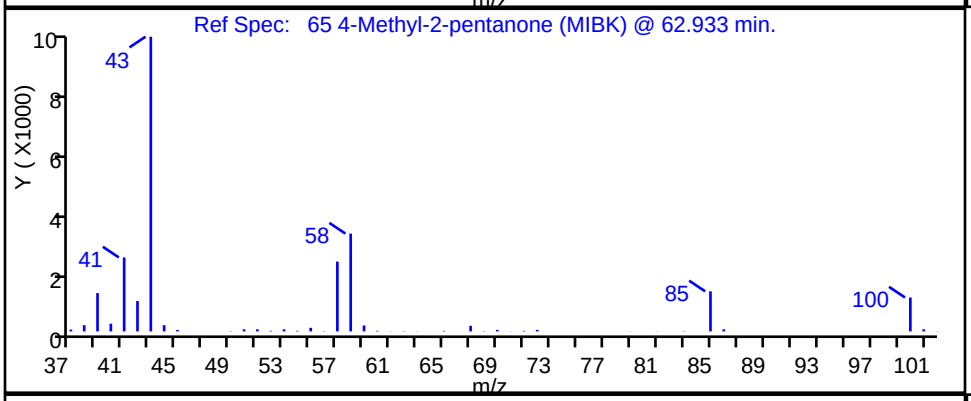
65 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

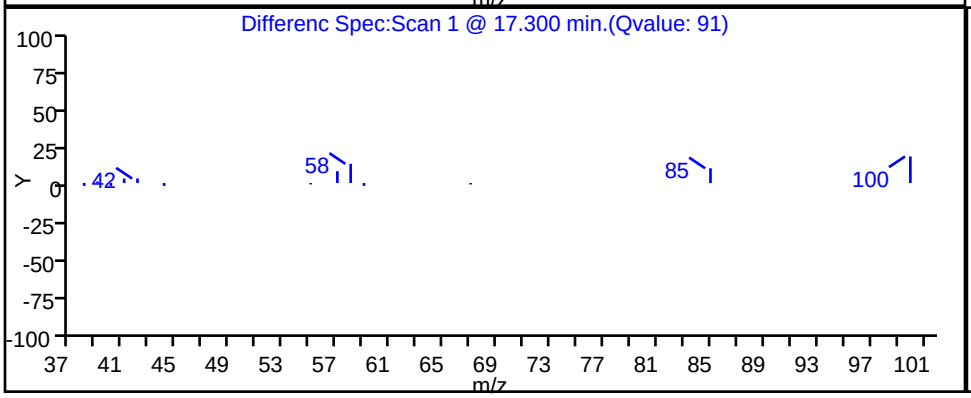


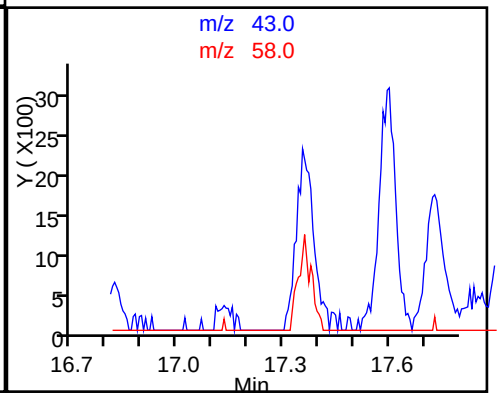












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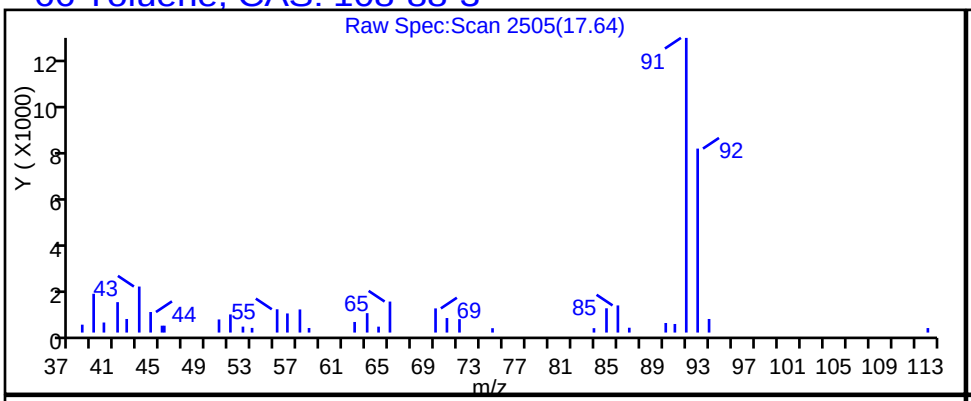
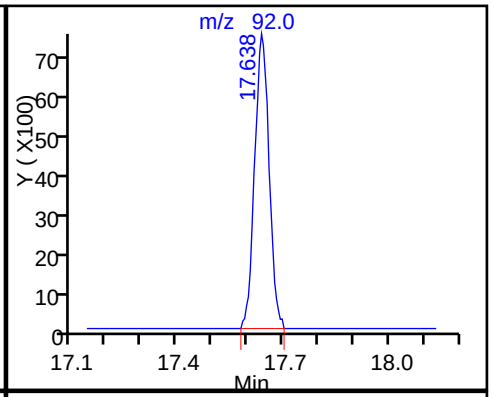
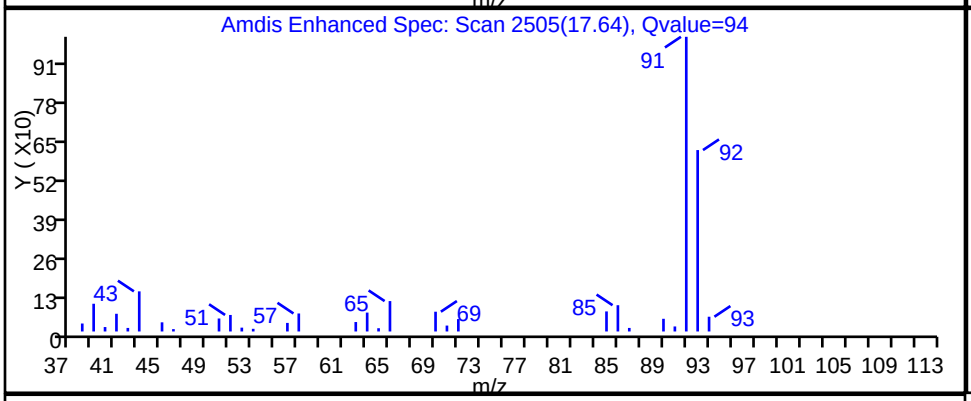
TestAmerica Burlington

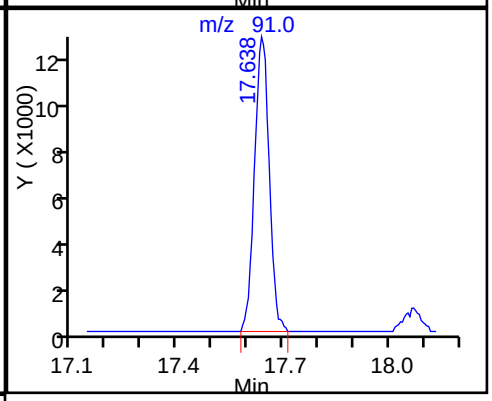
Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140806-8889.b\8889_007.d				
Injection Date:	06-Aug-2014 16:59:30	Instrument ID:	CHW.i		
Lims ID:	280-58004-A-7	Lab Sample ID:	200-58004-7		
Client ID:	785VMP0202MA				
Operator ID:	BPL	ALS Bottle#:	6	Worklist Smp#:	7
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

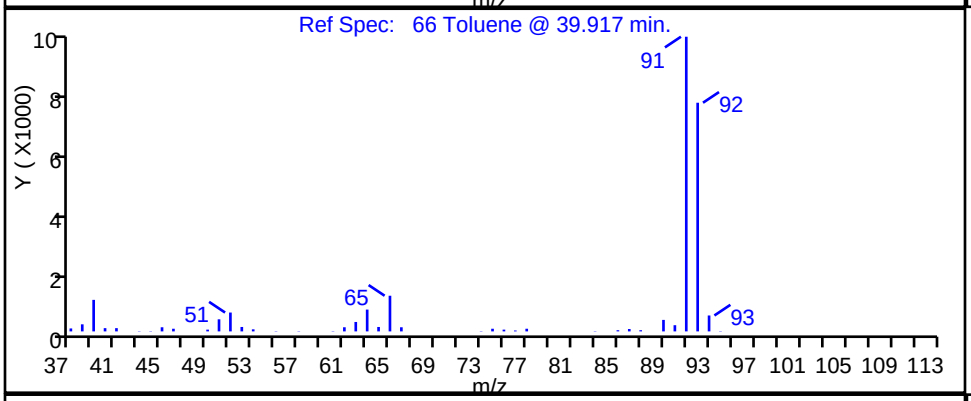
66 Toluene, CAS: 108-88-3

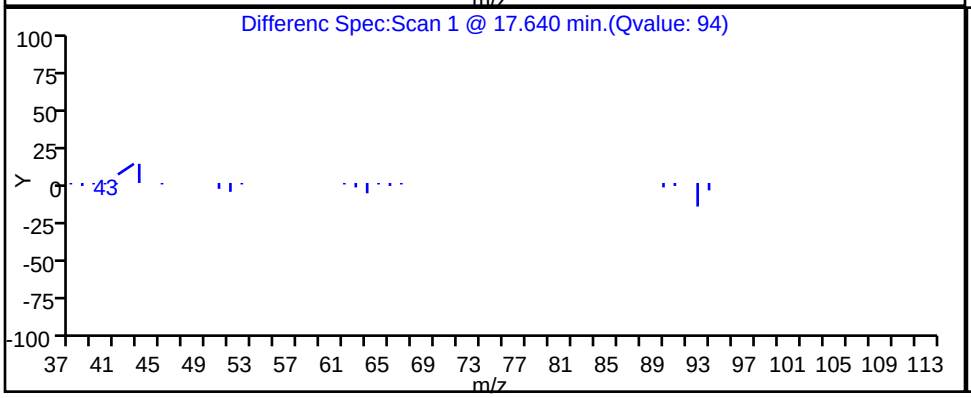


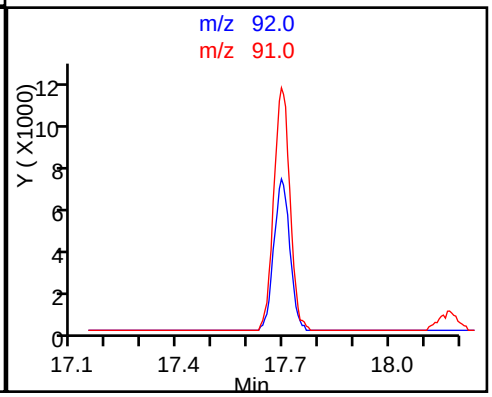












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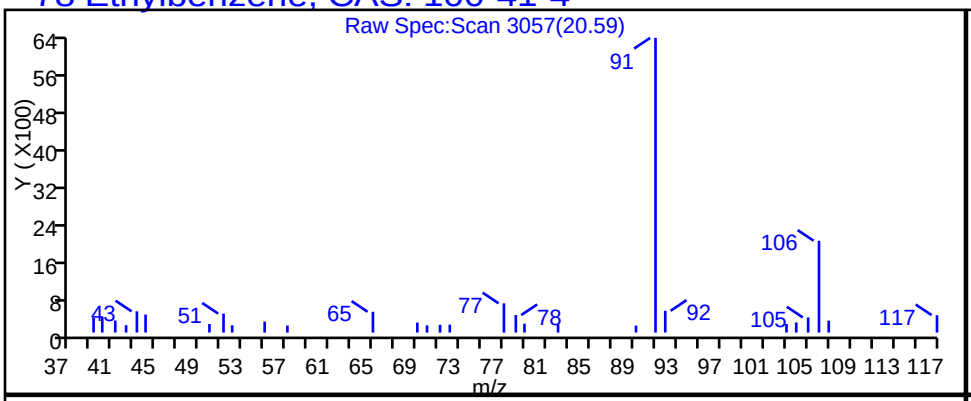
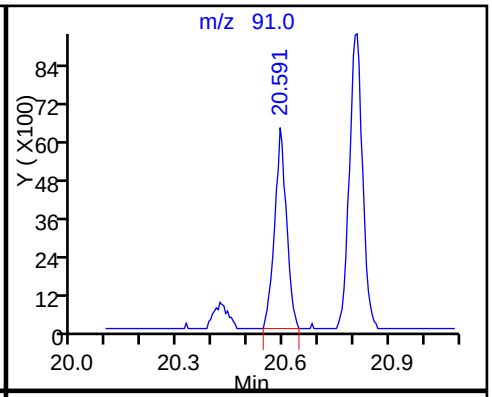
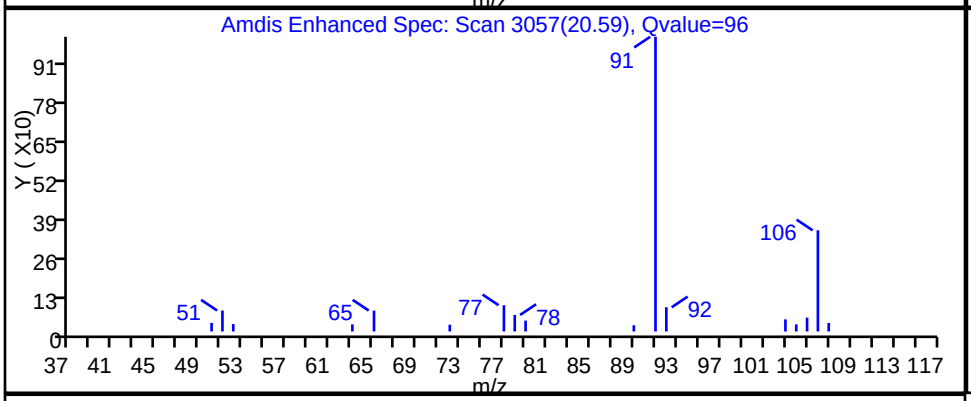
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140806-8889.b\8889_007.d

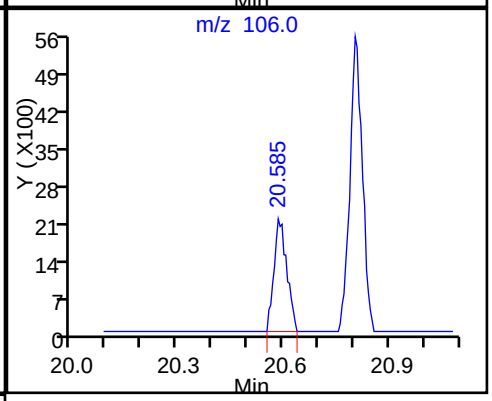
Injection Date:	06-Aug-2014 16:59:30	Instrument ID:	CHW.i		
Lims ID:	280-58004-A-7	Lab Sample ID:	200-58004-7		
Client ID:	785VMP0202MA				
Operator ID:	BPL	ALS Bottle#:	6	Worklist Smp#:	7
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

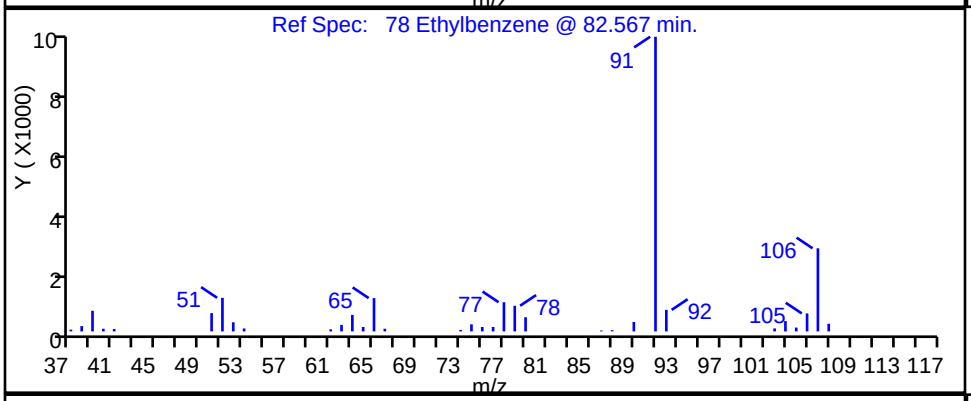
78 Ethylbenzene, CAS: 100-41-4

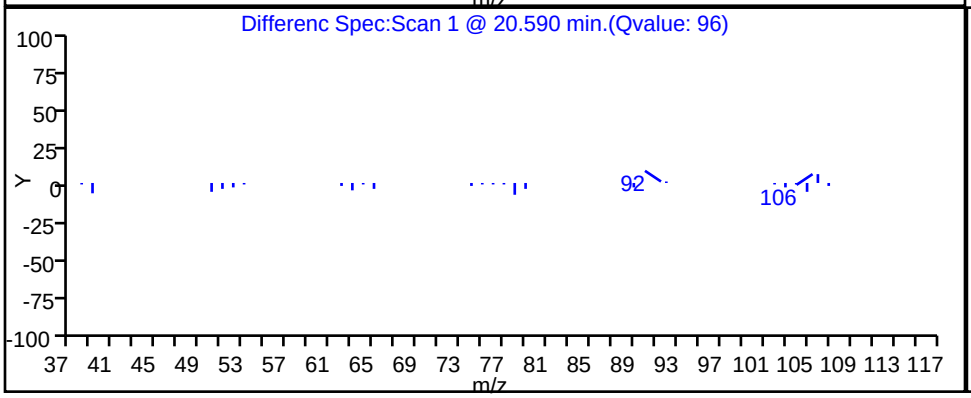


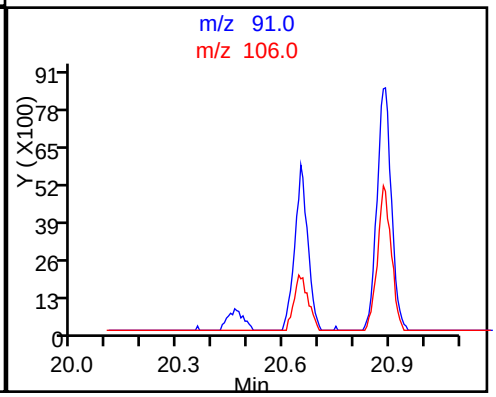












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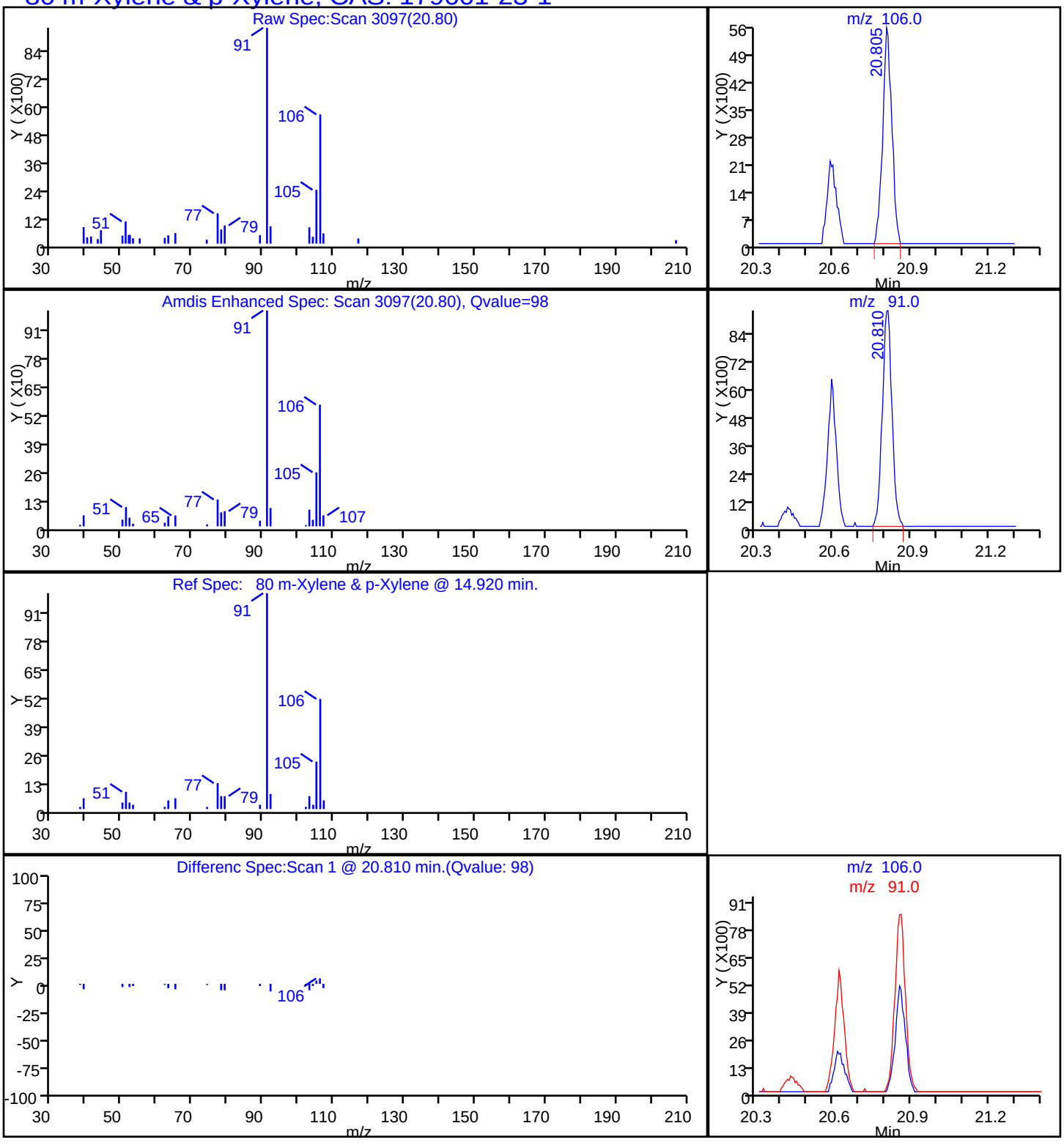
Injection Date:	06-Aug-2014 16:59:30	Instrument ID:	CHW.i		
Lims ID:	280-58004-A-7	Lab Sample ID:	200-58004-7		
Client ID:	785VMP0202MA				
Operator ID:	BPL	ALS Bottle#:	6	Worklist Smp#:	7
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

80 m-Xylene & p-Xylene, CAS: 179601-23-1



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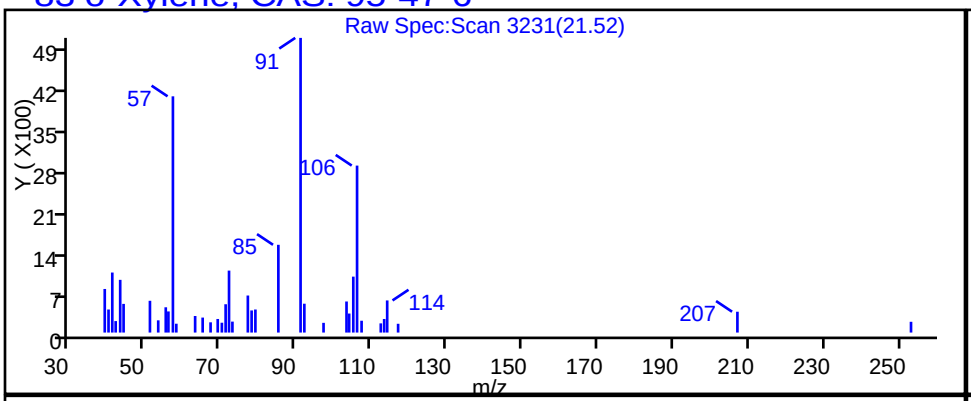
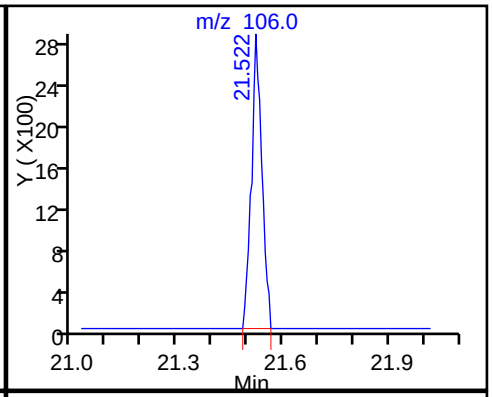
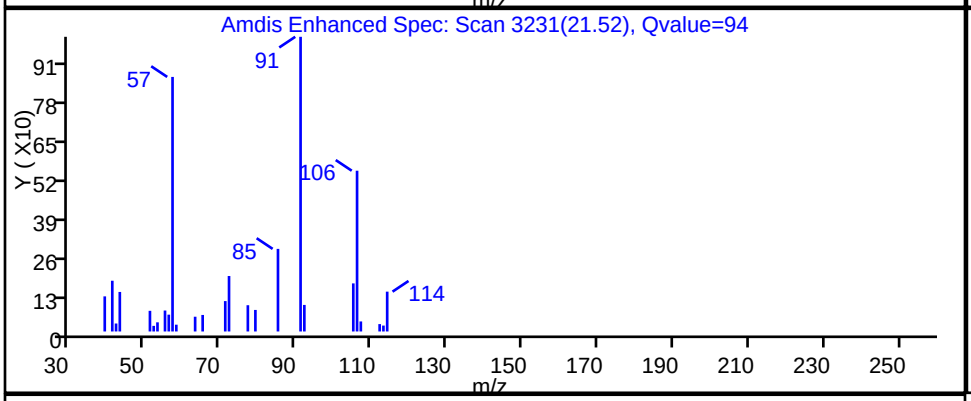
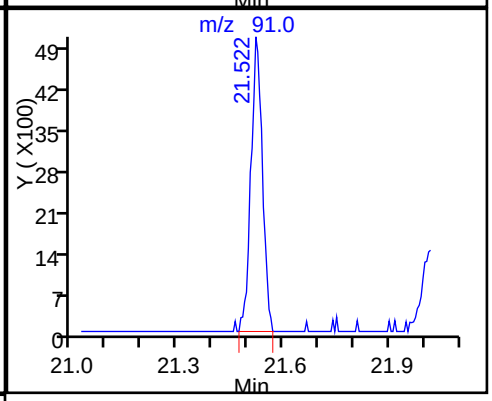
Operator ID:	BPL	ALS Bottle#:	6	Worklist Smp#:	7
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

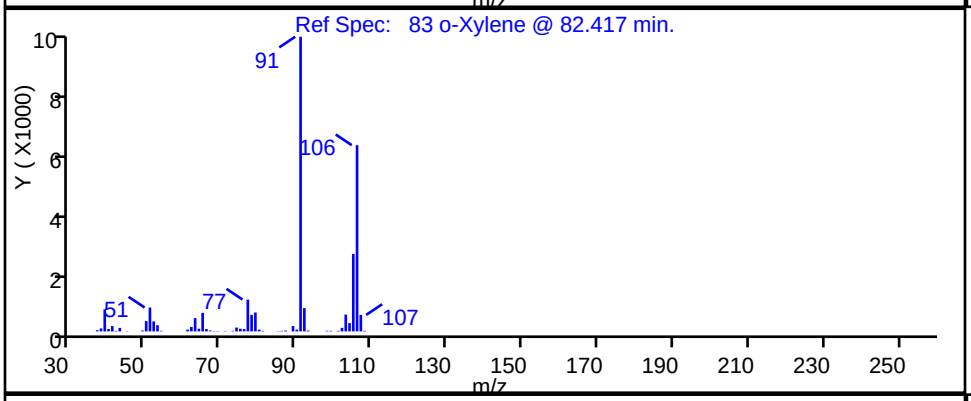
83 o-Xylene, CAS: 95-47-6

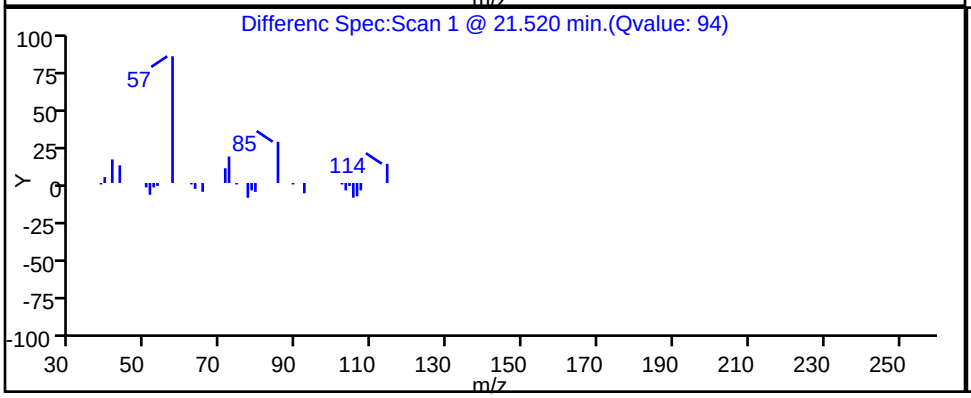


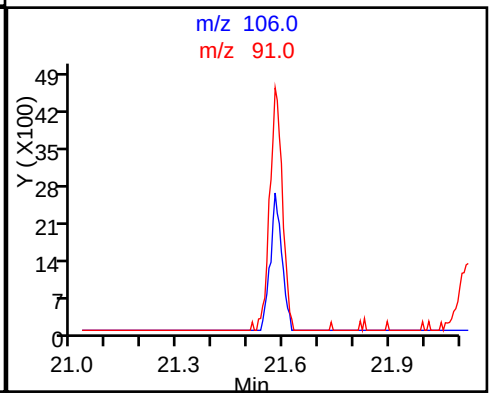












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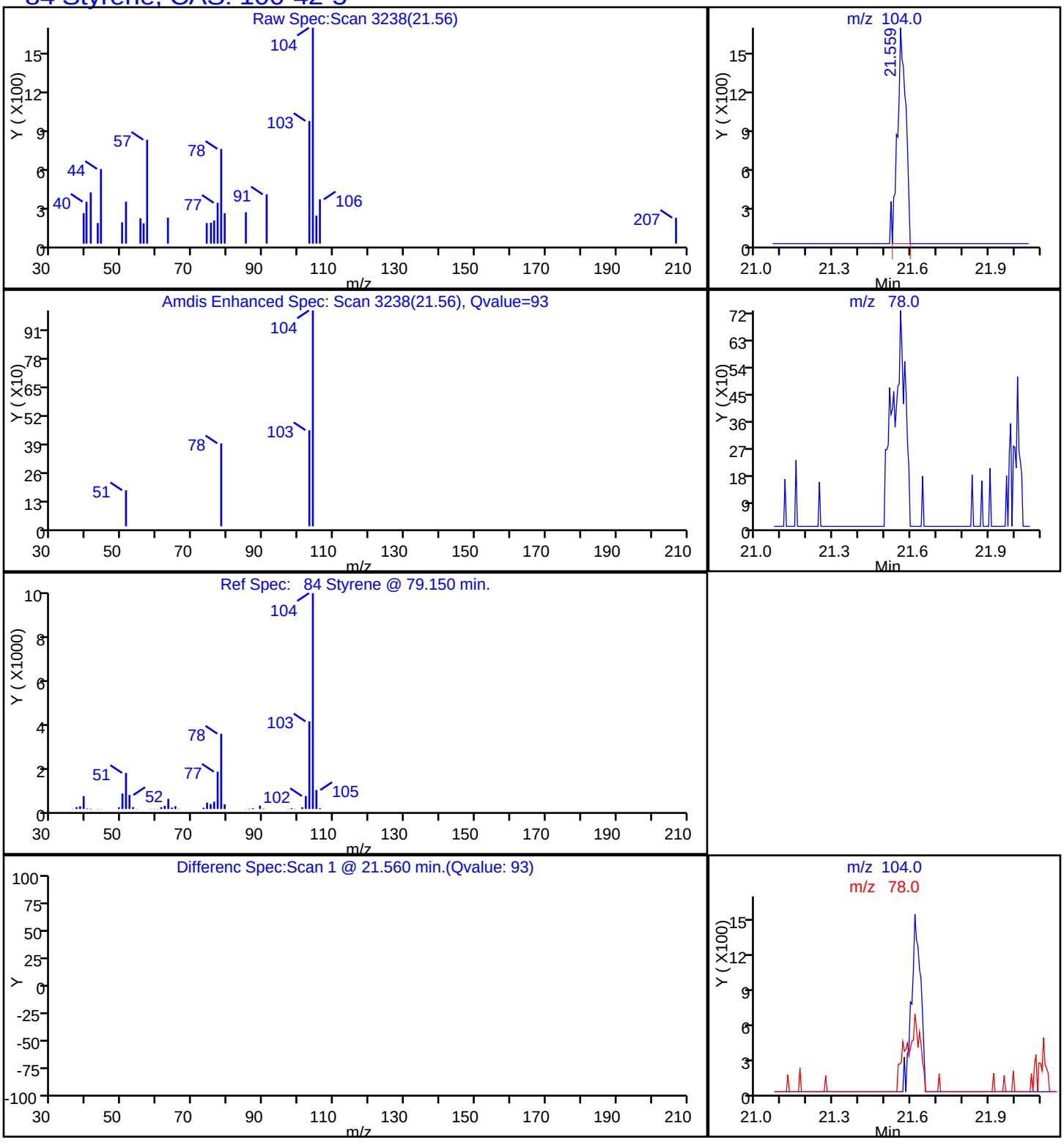
Injection Date:	06-Aug-2014 16:59:30	Instrument ID:	CHW.i		
Lims ID:	280-58004-A-7	Lab Sample ID:	200-58004-7		
Client ID:	785VMP0202MA				
Operator ID:	BPL	ALS Bottle#:	6	Worklist Smp#:	7
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

84 Styrene, CAS: 100-42-5



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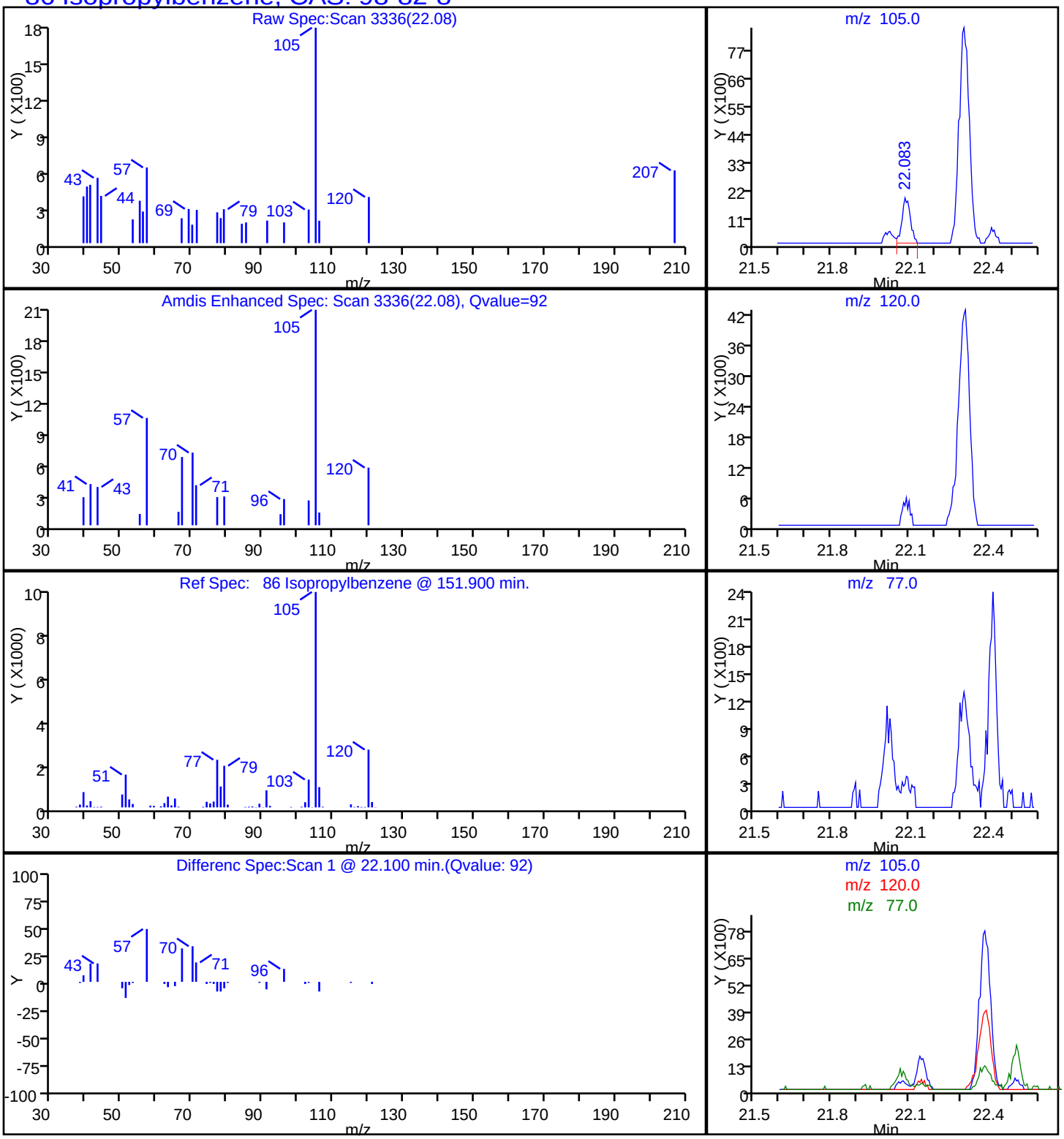
Operator ID:	BPL	ALS Bottle#:	6	Worklist Smp#:	7
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

86 Isopropylbenzene, CAS: 98-82-8



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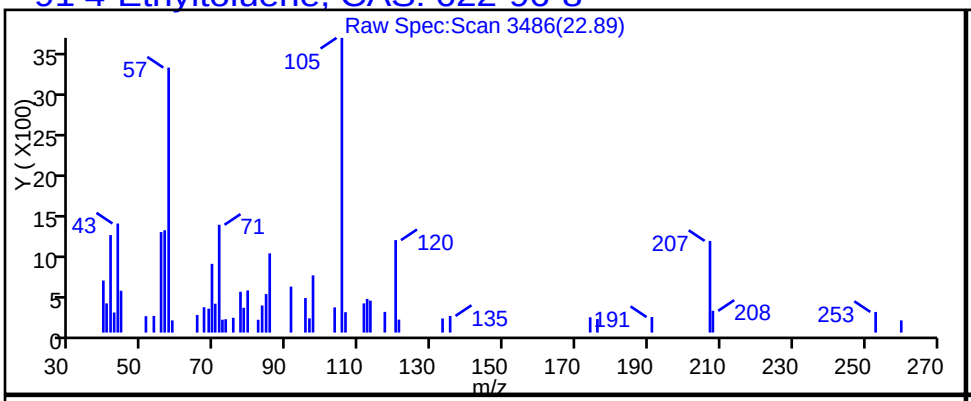
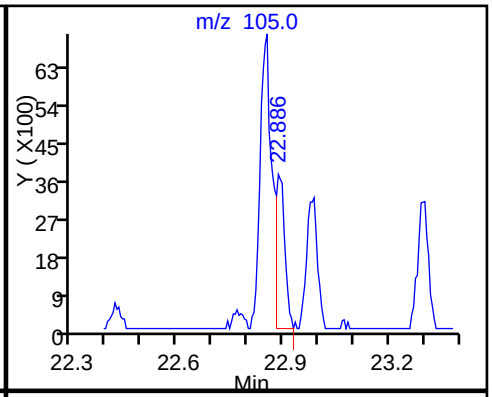
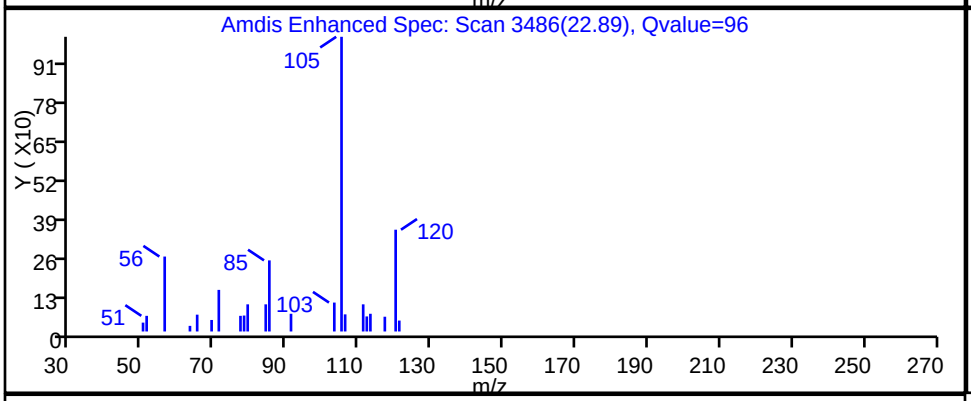
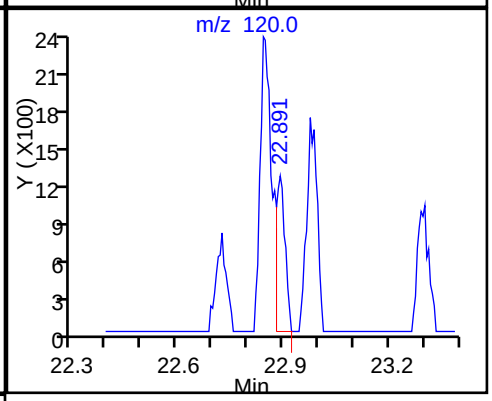
Operator ID:	BPL	ALS Bottle#:	6	Worklist Smp#:	7
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

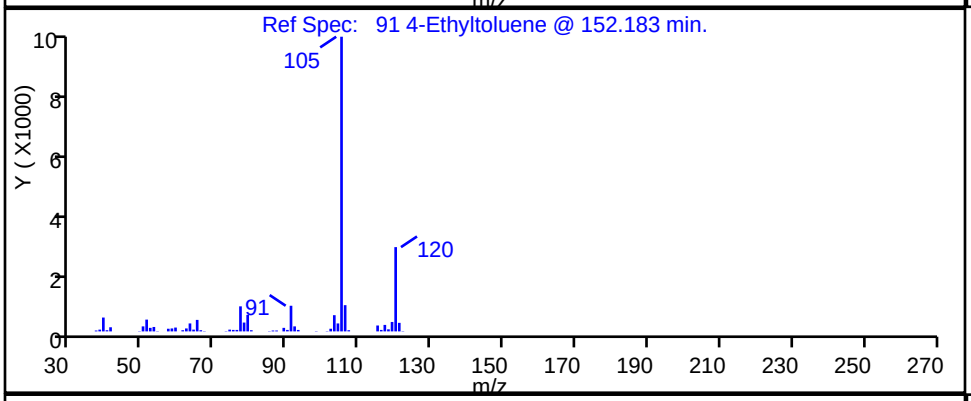
91 4-Ethyltoluene, CAS: 622-96-8

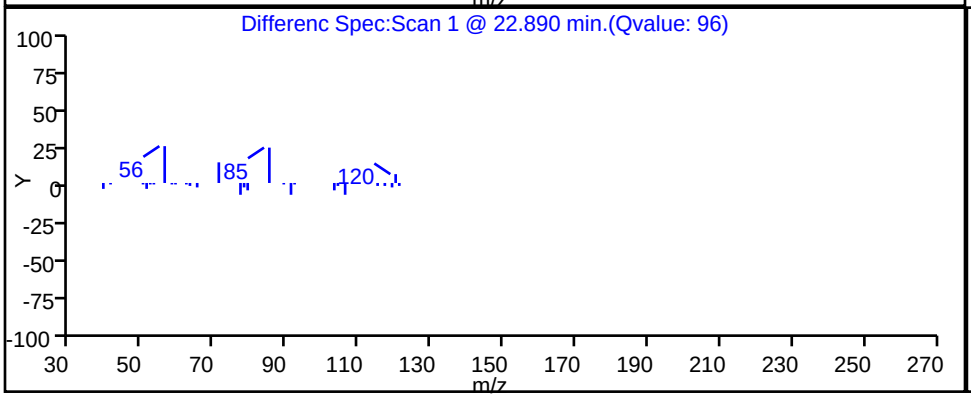


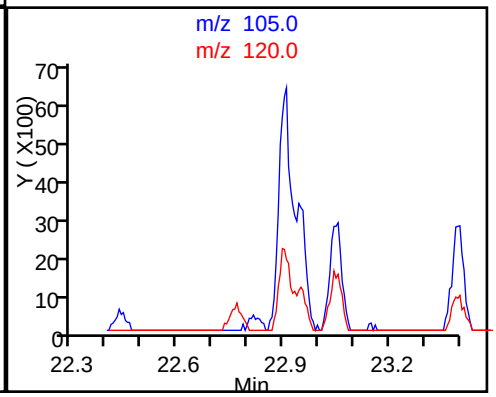












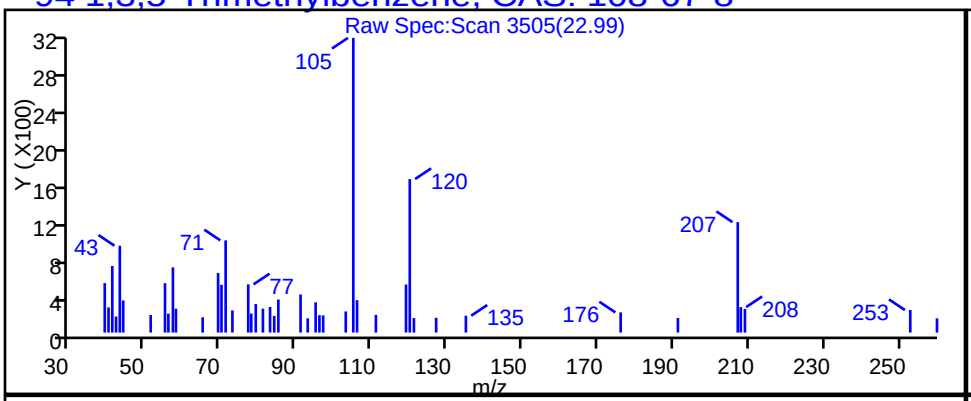
Report Date: 07-Aug-2014 09:51:35 Chrom Revision: 2.2 24-Jun-2014 07:21:42

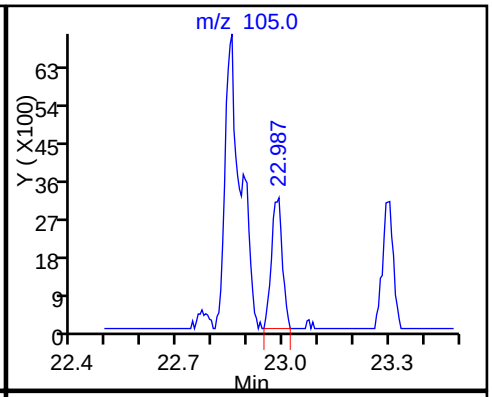
TestAmerica Burlington

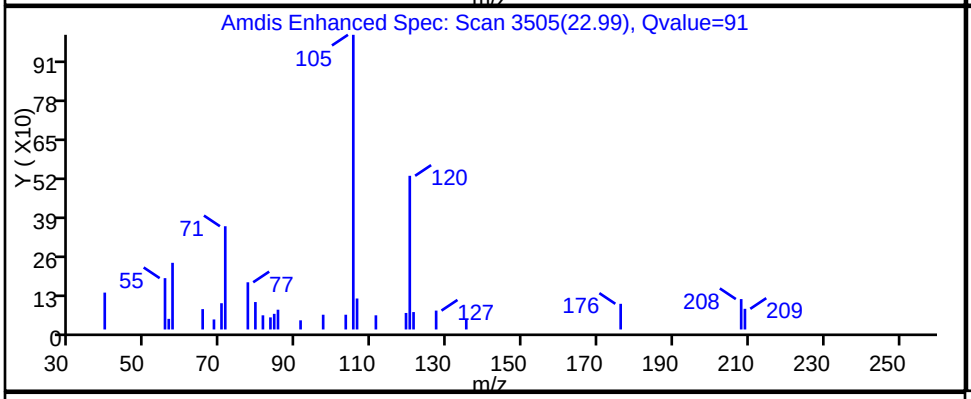
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140806-8889.b\8889_007.d

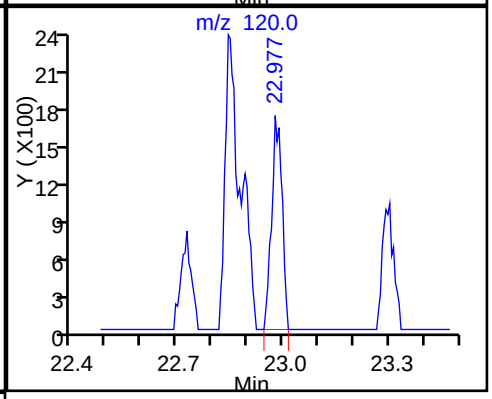
Injection Date:	06-Aug-2014 16:59:30	Instrument ID:	CHW.i		
Lims ID:	280-58004-A-7	Lab Sample ID:	200-58004-7		
Client ID:	785VMP0202MA				
Operator ID:	BPL	ALS Bottle#:	6	Worklist Smp#:	7
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

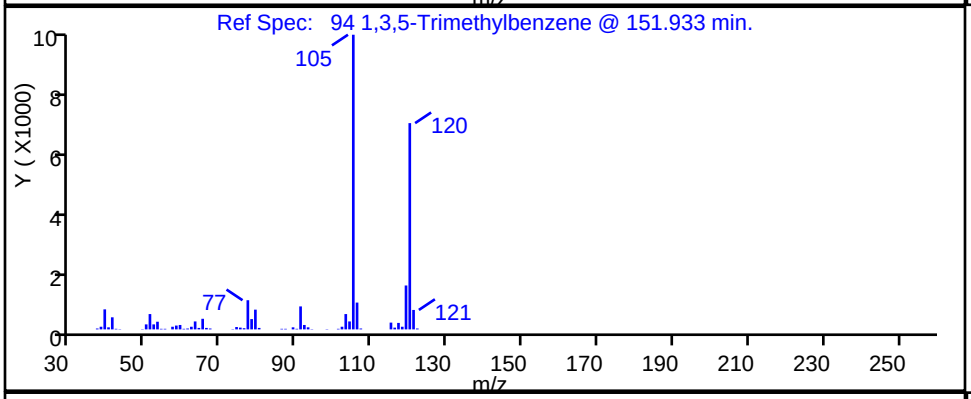
94 1,3,5-Trimethylbenzene, CAS: 108-67-8

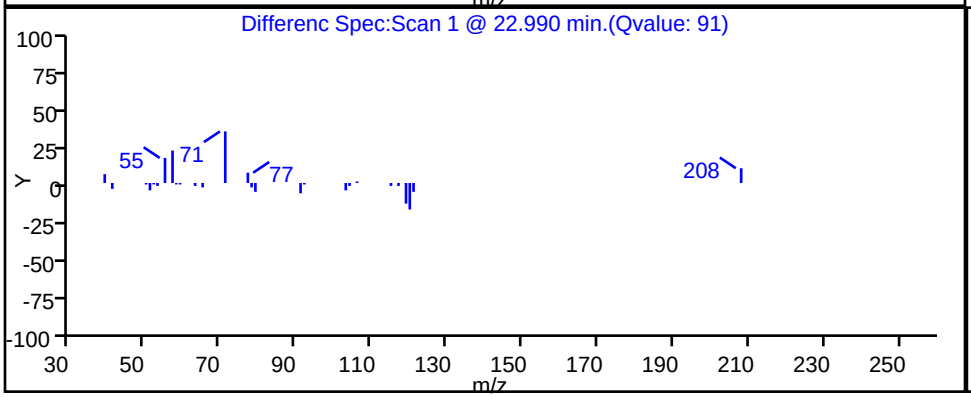


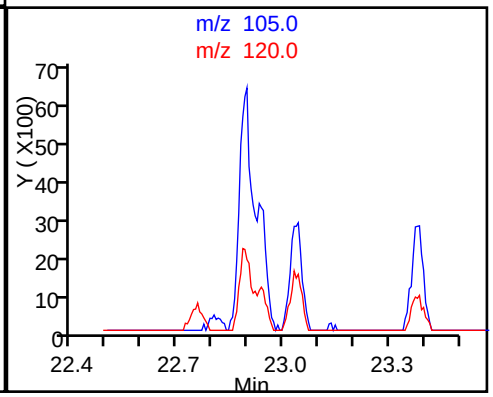








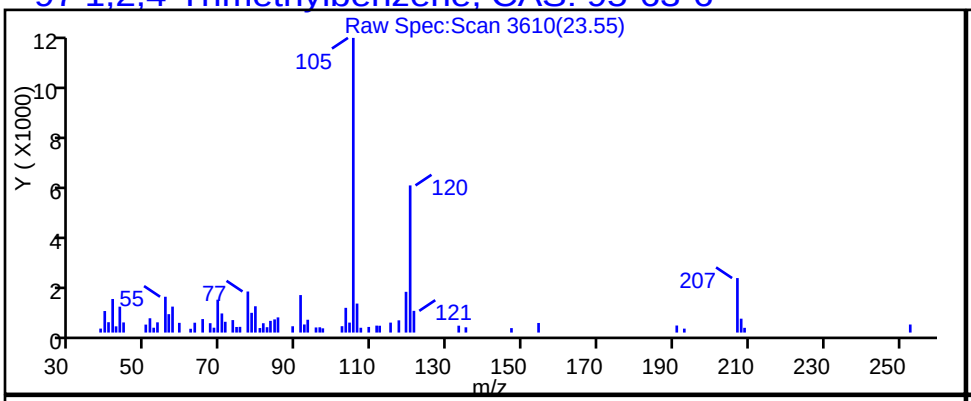


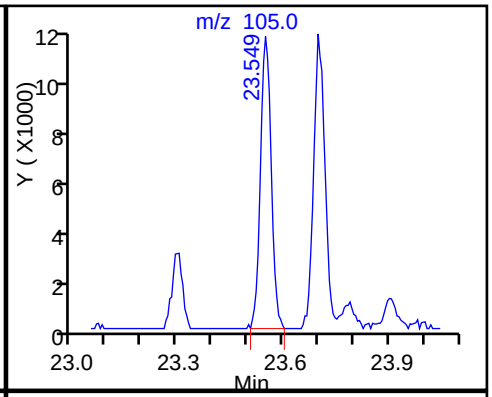


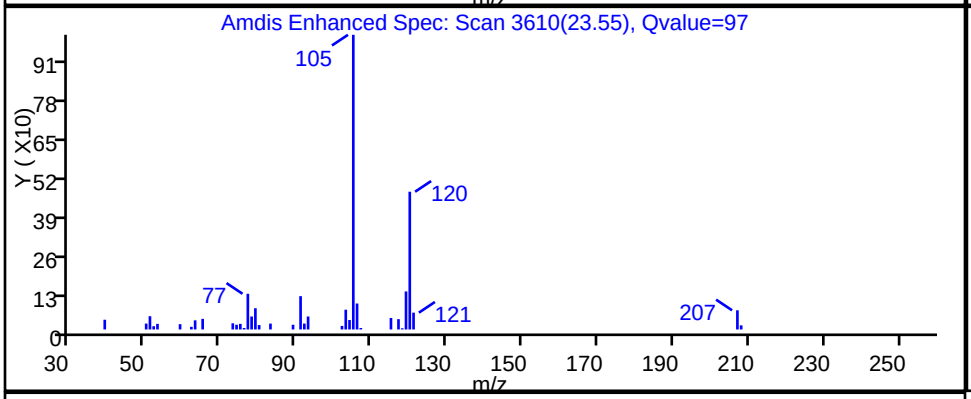
TestAmerica Burlington

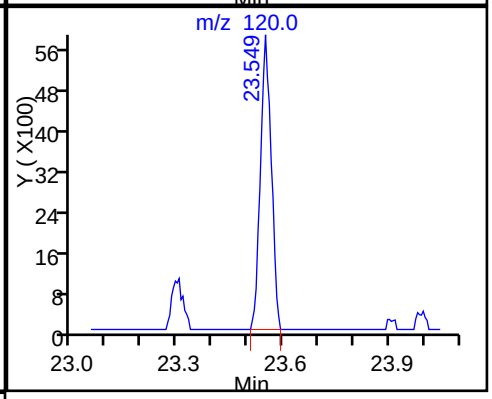
Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140806-8889.b\8889_007.d				
Injection Date:	06-Aug-2014 16:59:30	Instrument ID:	CHW.i		
Lims ID:	280-58004-A-7	Lab Sample ID:	200-58004-7		
Client ID:	785VMP0202MA				
Operator ID:	BPL	ALS Bottle#:	6	Worklist Smp#:	7
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

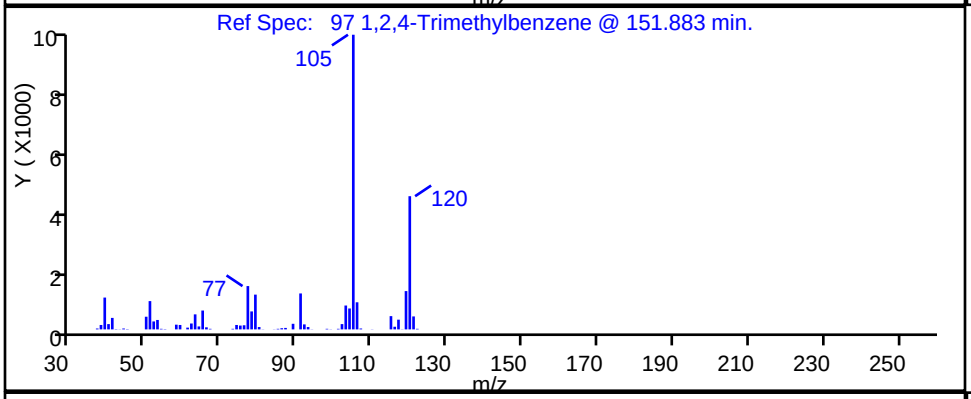
97 1,2,4-Trimethylbenzene, CAS: 95-63-6

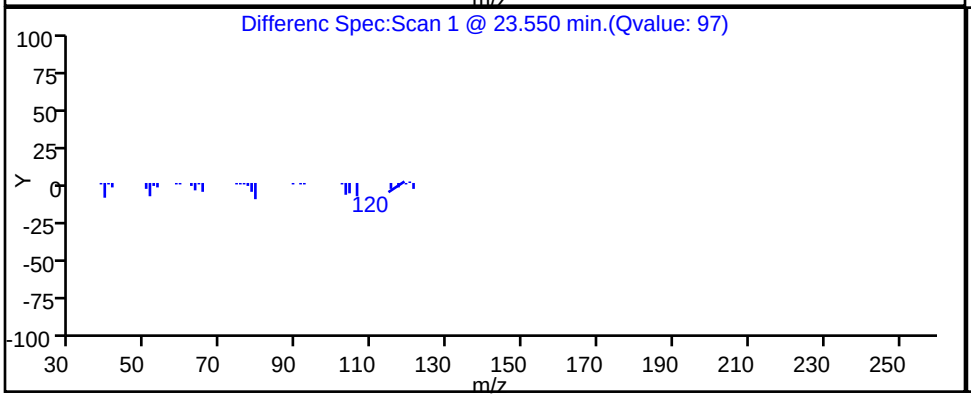


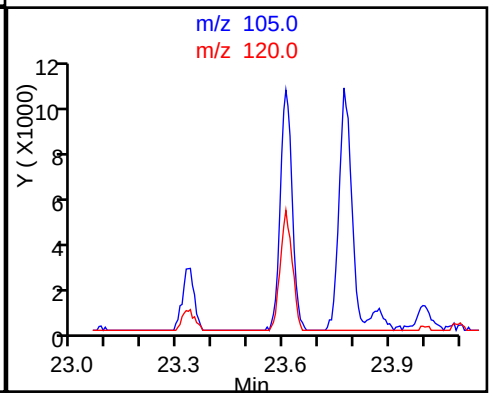












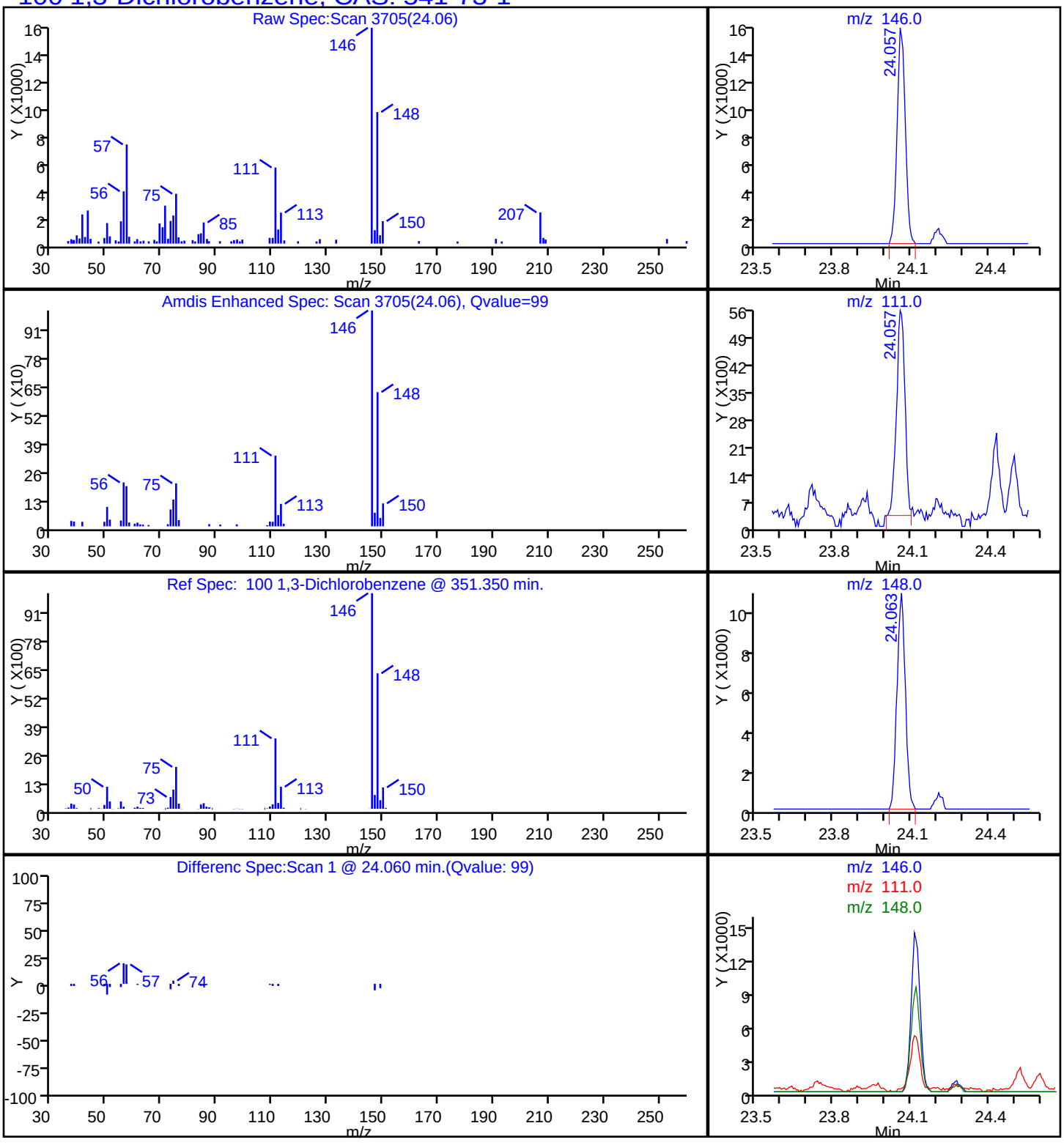
Report Date: 07-Aug-2014 09:51:35 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140806-8889.b\8889_007.d

Injection Date:	06-Aug-2014 16:59:30	Instrument ID:	CHW.i		
Lims ID:	280-58004-A-7	Lab Sample ID:	200-58004-7		
Client ID:	785VMP0202MA				
Operator ID:	BPL	ALS Bottle#:	6	Worklist Smp#:	7
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
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



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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Client Sample ID: 785VMP0501JA Lab Sample ID: 280-58004-8

Matrix: Air Lab File ID: 8889_026.d

Analysis Method: TO-15 Date Collected: 07/18/2014 13:50

Sample wt/vol: 100(mL) Date Analyzed: 08/07/2014 08:39

Soil Aliquot Vol: Dilution Factor: 104

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75709 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	8.3	U	52	3.1
75-45-6	Freon 22	86.47	8.3	U	52	5.0
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	8.3	U	21	3.6
74-87-3	Chloromethane	50.49	52	U	52	14
106-97-8	n-Butane	58.12	52	U	52	29
75-01-4	Vinyl chloride	62.50	8.3	U	21	4.0
106-99-0	1,3-Butadiene	54.09	8.3	U	21	4.4
74-83-9	Bromomethane	94.94	8.3	U	21	2.9
75-00-3	Chloroethane	64.52	8.3	U	52	3.1
593-60-2	Bromoethene(Vinyl Bromide)	106.96	8.3	U	21	3.1
75-69-4	Trichlorofluoromethane	137.37	8.3	U	21	3.1
76-13-1	Freon TF	187.38	3.1	U	21	1.9
75-35-4	1,1-Dichloroethene	96.94	8.3	U	21	2.5
67-64-1	Acetone	58.08	1100	D	520	130
67-63-0	Isopropyl alcohol	60.10	52	U	520	22
75-15-0	Carbon disulfide	76.14	21	U	52	6.9
107-05-1	3-Chloropropene	76.53	8.3	U	52	3.5
75-09-2	Methylene Chloride	84.93	21	U	52	13
75-65-0	tert-Butyl alcohol	74.12	52	U	520	34
1634-04-4	Methyl tert-butyl ether	88.15	8.3	U	21	2.3
156-60-5	trans-1,2-Dichloroethene	96.94	8.3	U	21	3.0
110-54-3	n-Hexane	86.17	8.3	U	21	3.5
75-34-3	1,1-Dichloroethane	98.96	8.3	U	21	4.0
78-93-3	Methyl Ethyl Ketone	72.11	400	D	52	25
156-59-2	cis-1,2-Dichloroethene	96.94	8.3	U	21	4.0
540-59-0	1,2-Dichloroethene, Total	96.94	8.3	U	21	6.7
67-66-3	Chloroform	119.38	9.4	J D M	21	2.6
109-99-9	Tetrahydrofuran	72.11	2300	D	520	4.8
71-55-6	1,1,1-Trichloroethane	133.41	8.3	U	21	2.2
110-82-7	Cyclohexane	84.16	8.3	U	21	2.6
56-23-5	Carbon tetrachloride	153.81	8.3	U	21	2.2
540-84-1	2,2,4-Trimethylpentane	114.23	8.3	U	21	2.8
71-43-2	Benzene	78.11	3.1	U	21	2.0
107-06-2	1,2-Dichloroethane	98.96	3.1	U	21	1.8

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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Client Sample ID: 785VMP0501JA Lab Sample ID: 280-58004-8

Matrix: Air Lab File ID: 8889_026.d

Analysis Method: TO-15 Date Collected: 07/18/2014 13:50

Sample wt/vol: 100(mL) Date Analyzed: 08/07/2014 08:39

Soil Aliquot Vol: Dilution Factor: 104

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75709 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
142-82-5	n-Heptane	100.21	8.3	U	21	4.8
79-01-6	Trichloroethene	131.39	94	D	21	2.5
80-62-6	Methyl methacrylate	100.12	8.3	U	52	3.1
78-87-5	1,2-Dichloropropane	112.99	8.3	U	21	3.3
123-91-1	1,4-Dioxane	88.11	21	U	520	21
75-27-4	Bromodichloromethane	163.83	3.1	U	21	1.8
10061-01-5	cis-1,3-Dichloropropene	110.97	8.3	U	21	2.9
108-10-1	methyl isobutyl ketone	100.16	8.3	U	52	2.8
108-88-3	Toluene	92.14	3.1	U	21	1.8
10061-02-6	trans-1,3-Dichloropropene	110.97	8.3	U	21	2.3
79-00-5	1,1,2-Trichloroethane	133.41	3.1	U	21	1.8
127-18-4	Tetrachloroethene	165.83	3.1	U	21	1.7
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	21	U	52	21
124-48-1	Dibromochloromethane	208.29	3.1	U	21	2.1
106-93-4	1,2-Dibromoethane	187.87	8.3	U	21	2.1
108-90-7	Chlorobenzene	112.56	3.1	U	21	0.84
100-41-4	Ethylbenzene	106.17	3.1	U	21	1.4
179601-23-1	m,p-Xylene	106.17	8.3	U	52	2.4
95-47-6	Xylene, o-	106.17	3.1	U	21	1.7
1330-20-7	Xylene (total)	106.17	8.3	U	21	3.5
100-42-5	Styrene	104.15	3.1	U	21	1.9
75-25-2	Bromoform	252.75	3.1	U	21	1.0
98-82-8	Cumene	120.19	3.1	U	21	1.7
79-34-5	1,1,2,2-Tetrachloroethane	167.85	3.1	U	21	1.7
103-65-1	n-Propylbenzene	120.19	8.3	U	21	8.3
622-96-8	4-Ethyltoluene	120.20	3.1	U	21	1.9
108-67-8	1,3,5-Trimethylbenzene	120.20	3.1	U	21	1.2
95-49-8	2-Chlorotoluene	126.59	3.1	U	21	1.4
98-06-6	tert-Butylbenzene	134.22	3.1	U	21	1.8
95-63-6	1,2,4-Trimethylbenzene	120.20	3.1	U	21	1.5
135-98-8	sec-Butylbenzene	134.22	8.3	U	21	8.3
99-87-6	4-Isopropyltoluene	134.22	8.3	U	21	8.3
541-73-1	1,3-Dichlorobenzene	147.00	3.1	U	21	1.5
106-46-7	1,4-Dichlorobenzene	147.00	3.1	U	21	1.5

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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Client Sample ID: 785VMP0501JA Lab Sample ID: 280-58004-8

Matrix: Air Lab File ID: 8889_026.d

Analysis Method: TO-15 Date Collected: 07/18/2014 13:50

Sample wt/vol: 100(mL) Date Analyzed: 08/07/2014 08:39

Soil Aliquot Vol: Dilution Factor: 104

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75709 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	8.3	U	21	8.3
104-51-8	n-Butylbenzene	134.22	8.3	U	21	8.3
95-50-1	1,2-Dichlorobenzene	147.00	3.1	U	21	1.5
120-82-1	1,2,4-Trichlorobenzene	181.45	8.3	U	52	2.8
87-68-3	Hexachlorobutadiene	260.76	8.3	U	21	2.3
91-20-3	Naphthalene	128.17	21	U	52	21

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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Client Sample ID: 785VMP0501JA Lab Sample ID: 280-58004-8

Matrix: Air Lab File ID: 8889_026.d

Analysis Method: TO-15 Date Collected: 07/18/2014 13:50

Sample wt/vol: 100(mL) Date Analyzed: 08/07/2014 08:39

Soil Aliquot Vol: Dilution Factor: 104

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75709 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	41	U	260	15
75-45-6	Freon 22	86.47	29	U	180	18
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	58	U	150	25
74-87-3	Chloromethane	50.49	110	U	110	29
106-97-8	n-Butane	58.12	120	U	120	70
75-01-4	Vinyl chloride	62.50	21	U	53	10
106-99-0	1,3-Butadiene	54.09	18	U	46	9.7
74-83-9	Bromomethane	94.94	32	U	81	11
75-00-3	Chloroethane	64.52	22	U	140	8.2
593-60-2	Bromoethene(Vinyl Bromide)	106.96	36	U	91	14
75-69-4	Trichlorofluoromethane	137.37	47	U	120	18
76-13-1	Freon TF	187.38	24	U	160	14
75-35-4	1,1-Dichloroethene	96.94	33	U	82	9.9
67-64-1	Acetone	58.08	2600	D	1200	310
67-63-0	Isopropyl alcohol	60.10	130	U	1300	55
75-15-0	Carbon disulfide	76.14	65	U	160	21
107-05-1	3-Chloropropene	76.53	26	U	160	11
75-09-2	Methylene Chloride	84.93	72	U	180	45
75-65-0	tert-Butyl alcohol	74.12	160	U	1600	100
1634-04-4	Methyl tert-butyl ether	88.15	30	U	75	8.2
156-60-5	trans-1,2-Dichloroethene	96.94	33	U	82	12
110-54-3	n-Hexane	86.17	29	U	73	12
75-34-3	1,1-Dichloroethane	98.96	34	U	84	16
78-93-3	Methyl Ethyl Ketone	72.11	1200	D	150	74
156-59-2	cis-1,2-Dichloroethene	96.94	33	U	82	16
540-59-0	1,2-Dichloroethene, Total	96.94	33	U	82	26
67-66-3	Chloroform	119.38	46	J D M	100	13
109-99-9	Tetrahydrofuran	72.11	6900	D	1500	14
71-55-6	1,1,1-Trichloroethane	133.41	45	U	110	12
110-82-7	Cyclohexane	84.16	29	U	72	8.9
56-23-5	Carbon tetrachloride	153.81	52	U	130	14
540-84-1	2,2,4-Trimethylpentane	114.23	39	U	97	13
71-43-2	Benzene	78.11	10	U	66	6.3
107-06-2	1,2-Dichloroethane	98.96	13	U	84	7.2

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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Client Sample ID: 785VMP0501JA Lab Sample ID: 280-58004-8

Matrix: Air Lab File ID: 8889_026.d

Analysis Method: TO-15 Date Collected: 07/18/2014 13:50

Sample wt/vol: 100(mL) Date Analyzed: 08/07/2014 08:39

Soil Aliquot Vol: Dilution Factor: 104

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75709 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
142-82-5	n-Heptane	100.21	34	U	85	20
79-01-6	Trichloroethene	131.39	510	D	110	13
80-62-6	Methyl methacrylate	100.12	34	U	210	13
78-87-5	1,2-Dichloropropane	112.99	38	U	96	15
123-91-1	1,4-Dioxane	88.11	75	U	1900	75
75-27-4	Bromodichloromethane	163.83	21	U	140	12
10061-01-5	cis-1,3-Dichloropropene	110.97	38	U	94	13
108-10-1	methyl isobutyl ketone	100.16	34	U	210	12
108-88-3	Toluene	92.14	12	U	78	6.7
10061-02-6	trans-1,3-Dichloropropene	110.97	38	U	94	10
79-00-5	1,1,2-Trichloroethane	133.41	17	U	110	9.6
127-18-4	Tetrachloroethene	165.83	21	U	140	11
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	85	U	210	85
124-48-1	Dibromochloromethane	208.29	27	U	180	18
106-93-4	1,2-Dibromoethane	187.87	64	U	160	16
108-90-7	Chlorobenzene	112.56	14	U	96	3.9
100-41-4	Ethylbenzene	106.17	14	U	90	5.9
179601-23-1	m,p-Xylene	106.17	36	U	230	10
95-47-6	Xylene, o-	106.17	14	U	90	7.2
1330-20-7	Xylene (total)	106.17	36	U	90	15
100-42-5	Styrene	104.15	13	U	89	8.0
75-25-2	Bromoform	252.75	32	U	220	11
98-82-8	Cumene	120.19	15	U	100	8.2
79-34-5	1,1,2,2-Tetrachloroethane	167.85	21	U	140	11
103-65-1	n-Propylbenzene	120.19	41	U	100	41
622-96-8	4-Ethyltoluene	120.20	15	U	100	9.2
108-67-8	1,3,5-Trimethylbenzene	120.20	15	U	100	6.1
95-49-8	2-Chlorotoluene	126.59	16	U	110	7.0
98-06-6	tert-Butylbenzene	134.22	17	U	110	9.7
95-63-6	1,2,4-Trimethylbenzene	120.20	15	U	100	7.2
135-98-8	sec-Butylbenzene	134.22	46	U	110	46
99-87-6	4-Isopropyltoluene	134.22	46	U	110	46
541-73-1	1,3-Dichlorobenzene	147.00	19	U	130	8.8
106-46-7	1,4-Dichlorobenzene	147.00	19	U	130	8.8

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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Client Sample ID: 785VMP0501JA Lab Sample ID: 280-58004-8

Matrix: Air Lab File ID: 8889_026.d

Analysis Method: TO-15 Date Collected: 07/18/2014 13:50

Sample wt/vol: 100(mL) Date Analyzed: 08/07/2014 08:39

Soil Aliquot Vol: Dilution Factor: 104

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75709 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	43	U	110	43
104-51-8	n-Butylbenzene	134.22	46	U	110	46
95-50-1	1,2-Dichlorobenzene	147.00	19	U	130	8.8
120-82-1	1,2,4-Trichlorobenzene	181.45	62	U	390	21
87-68-3	Hexachlorobutadiene	260.76	89	U	220	24
91-20-3	Naphthalene	128.17	110	U	270	110

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140806-8889.b\8889_026.d
Lims ID: 280-58004-A-8 Lab Sample ID: 200-58004-8
Client ID: 785VMP0501JA
Sample Type: Client
Inject. Date: 07-Aug-2014 08:39:30 ALS Bottle#: 8 Worklist Smp#: 26
Purge Vol: 200.000 mL Dil. Factor: 104.0000
Sample Info: 200-0008889-026
Misc. Info.: 280-58004-a-8
Operator ID: BPL Instrument ID: CHW.i

Method: \\BTV-LIMS1\ChromData\CHW.i\20140806-8889.b\TO15_LLNJ_TO3_W_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 07-Aug-2014 10:08:27 Calib Date: 15-Jun-2014 00:33:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20140613-8058.b\8058_017.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK003

First Level Reviewer: lyonsb Date: 07-Aug-2014 09:54:34

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
	2 Dichlorodifluoromethane	85		4.488				ND	
	6 Chlorodifluoromethane	51		4.552				ND	
	7 1,2-Dichloro-1,1,2,2-tetra	85		4.841				ND	
	8 Chloromethane	50		5.034				ND	
	9 Butane	43		5.296				ND	
	10 Vinyl chloride	62		5.355				ND	
	11 Butadiene	54		5.451				ND	
	12 Bromomethane	94		6.318				ND	
	14 Chloroethane	64		6.596				ND	
	16 Vinyl bromide	106		7.077				ND	
	17 Trichlorofluoromethane	101		7.190				ND	
	23 1,1,2-Trichloro-1,2,2-trif	101		8.436				ND	
	24 1,1-Dichloroethene	96		8.511				ND	
	25 Acetone	43	8.736	8.741	-0.005	90	759158	10.5	
	26 Carbon disulfide	76		8.998				ND	
	27 Isopropyl alcohol	45		9.025				ND	
	29 3-Chloro-1-propene	41		9.399				ND	
	31 Methylene Chloride	49		9.731				ND	
	32 2-Methyl-2-propanol	59		9.897				ND	
	33 Methyl tert-butyl ether	73		10.148				ND	
S	41 1,2-Dichloroethene, Total	61		10.200				0	
	34 trans-1,2-Dichloroethene	61		10.223				ND	
	36 Hexane	57		10.640				ND	
	37 1,1-Dichloroethane	63		11.191				ND	
	39 cis-1,2-Dichloroethene	96		12.363				ND	
	40 2-Butanone (MEK)	72	12.368	12.373	-0.005	97	116607	3.83	
	44 Tetrahydrofuran	42	12.834	12.834	0.000	86	1052698	22.5	
*	43 Chlorobromomethane	128	12.845	12.844	0.000	80	472237	10.0	
	45 Chloroform	83	12.962	12.957	0.005	98	10137	0.0902	M
	46 Cyclohexane	84		13.251				ND	
	47 1,1,1-Trichloroethane	97		13.262				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
48 Carbon tetrachloride	117		13.518				ND	
51 Isooctane	57		13.909				ND	
50 Benzene	78		13.968				ND	
52 1,2-Dichloroethane	62		14.128				ND	
53 n-Heptane	43		14.257				ND	
* 54 1,4-Difluorobenzene	114	14.722	14.727	-0.005	92	2210722	10.0	
56 Trichloroethene	95	15.188	15.193	-0.005	92	73633	0.9063	
58 1,2-Dichloropropane	63		15.712				ND	
59 Methyl methacrylate	69		15.797				ND	
60 1,4-Dioxane	88		15.883				ND	
62 Dichlorobromomethane	83		16.204				ND	
64 cis-1,3-Dichloropropene	75		17.065				ND	
65 4-Methyl-2-pentanone (MIBK	43		17.295				ND	
66 Toluene	92		17.638				ND	
70 trans-1,3-Dichloropropene	75		18.173				ND	
71 1,1,2-Trichloroethane	83		18.536				ND	
72 Tetrachloroethene	166		18.681				ND	
73 2-Hexanone	43		18.922				ND	
74 Chlorodibromomethane	129		19.296				ND	
75 Ethylene Dibromide	107		19.580				ND	
S 82 Xylenes, Total	106		20.100				0	
* 76 Chlorobenzene-d5	117	20.425	20.425	0.000	81	1969642	10.0	
77 Chlorobenzene	112		20.478				ND	
78 Ethylbenzene	91		20.591				ND	
80 m-Xylene & p-Xylene	106		20.810				ND	
83 o-Xylene	106		21.521				ND	
84 Styrene	104		21.564				ND	
85 Bromoform	173		21.944				ND	
86 Isopropylbenzene	105		22.089				ND	
$ 87 4-Bromofluorobenzene	95	22.426	22.426	0.000	97	1197358	NC	
88 1,1,2,2-Tetrachloroethane	83		22.650				ND	
90 N-Propylbenzene	91		22.725				ND	
91 4-Ethyltoluene	105		22.891				ND	
92 2-Chlorotoluene	91		22.923				ND	
94 1,3,5-Trimethylbenzene	105		22.982				ND	
96 tert-Butylbenzene	119		23.458				ND	
97 1,2,4-Trimethylbenzene	105		23.549				ND	
98 sec-Butylbenzene	105		23.790				ND	
99 4-Isopropyltoluene	119		23.988				ND	
100 1,3-Dichlorobenzene	146		24.063				ND	
101 1,4-Dichlorobenzene	146		24.207				ND	
102 Benzyl chloride	91		24.416				ND	
103 n-Butylbenzene	91		24.624				ND	
105 1,2-Dichlorobenzene	146		24.812				ND	
107 1,2,4-Trichlorobenzene	180		27.690				ND	
108 Hexachlorobutadiene	225		27.893				ND	
109 Naphthalene	128		28.278				ND	

QC Flag Legend

Processing Flags
NC - Not Calibrated
ND - Not Detected or Marked ND

Review Flags
M - Manually Integrated

Reagents:

ATTO15WISs_00003 Amount Added: 20.00 Units: mL Run Reagent

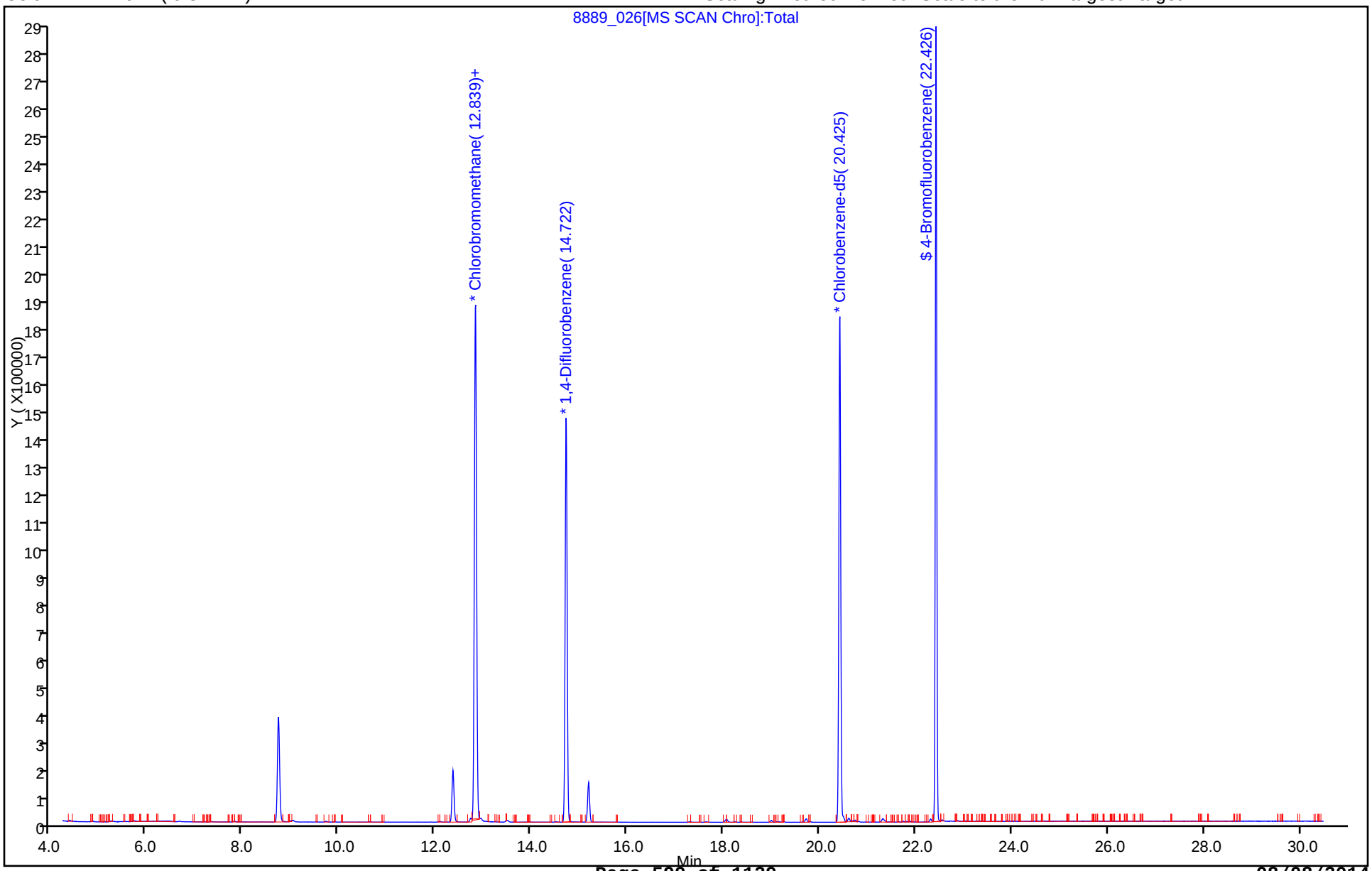
Report Date: 07-Aug-2014 10:08:44 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140806-8889.b\8889_026.d

Injection Date:	07-Aug-2014 08:39:30	Instrument ID:	CHW.i	Operator ID:	BPL
Lims ID:	280-58004-A-8	Lab Sample ID:	200-58004-8	Worklist Smp#:	26
Client ID:	785VMP0501JA				
Purge Vol:	200.000 mL	Dil. Factor:	104.0000	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



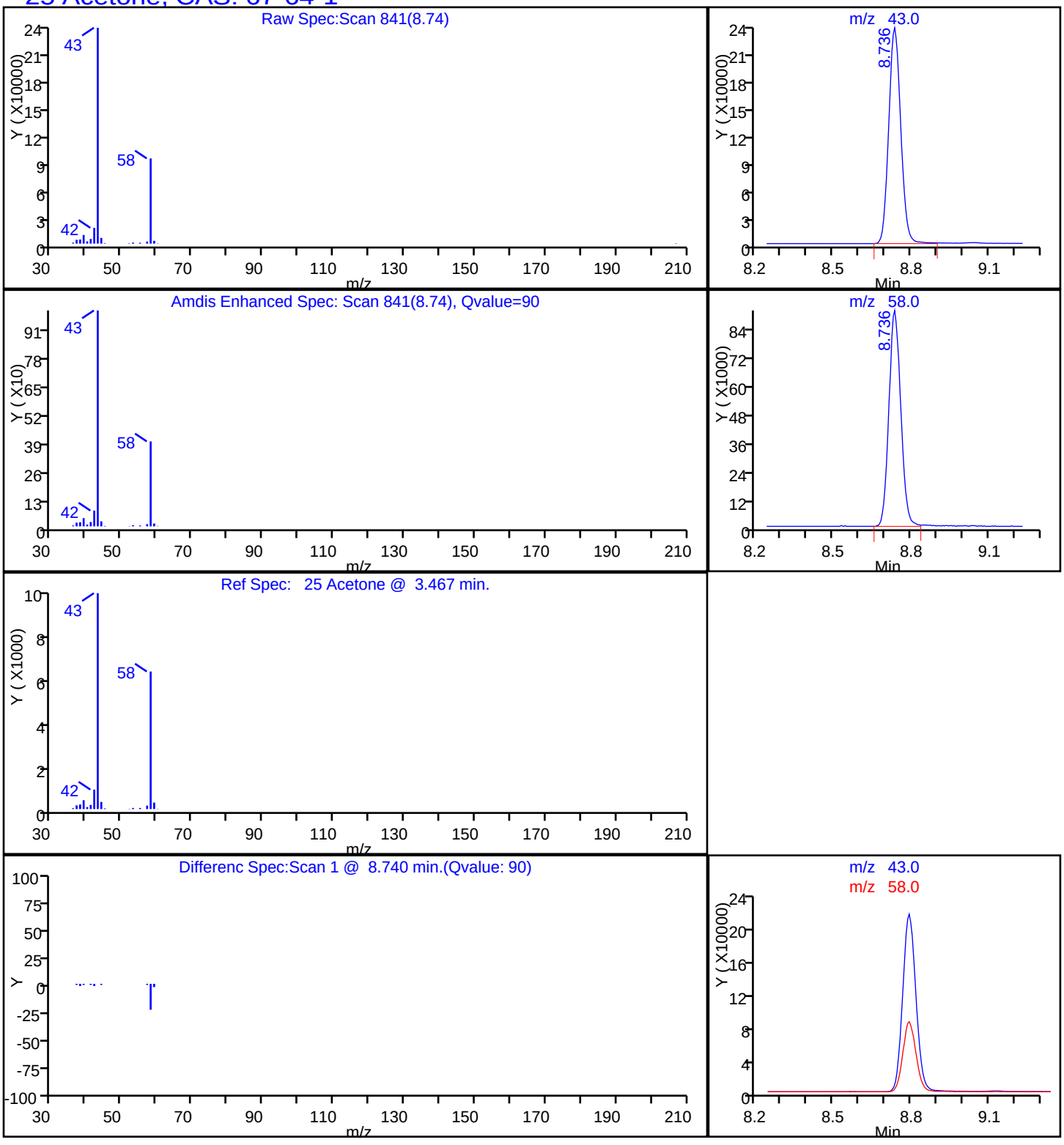
Report Date: 07-Aug-2014 10:08:44 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140806-8889.b\8889_026.d

Injection Date:	07-Aug-2014 08:39:30	Instrument ID:	CHW.i		
Lims ID:	280-58004-A-8	Lab Sample ID:	200-58004-8		
Client ID:	785VMP0501JA				
Operator ID:	BPL	ALS Bottle#:	8	Worklist Smp#:	26
Purge Vol:	200.000 mL	Dil. Factor:	104.0000		
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



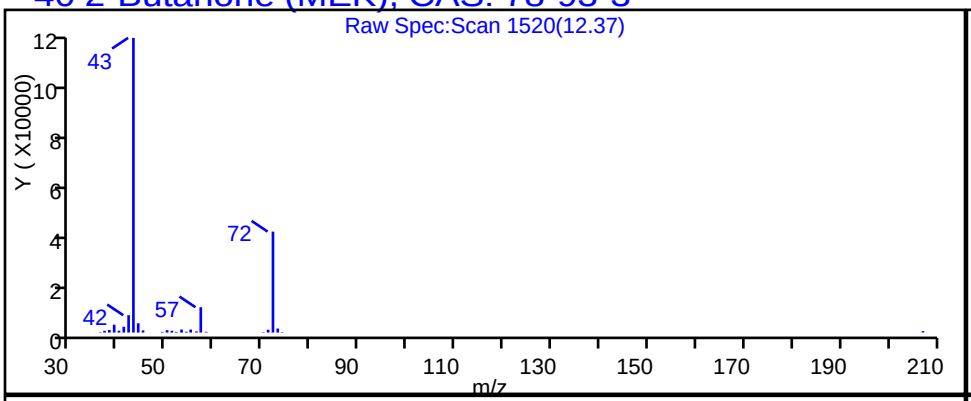
Report Date: 07-Aug-2014 10:08:44 Chrom Revision: 2.2 24-Jun-2014 07:21:42

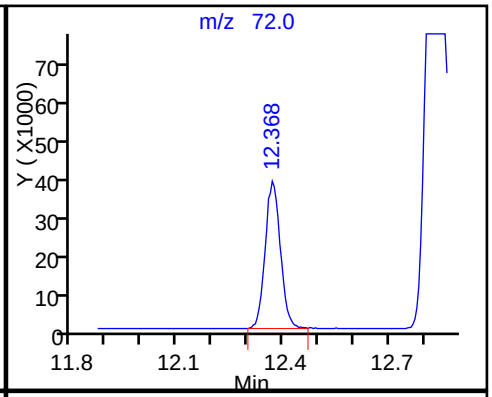
TestAmerica Burlington

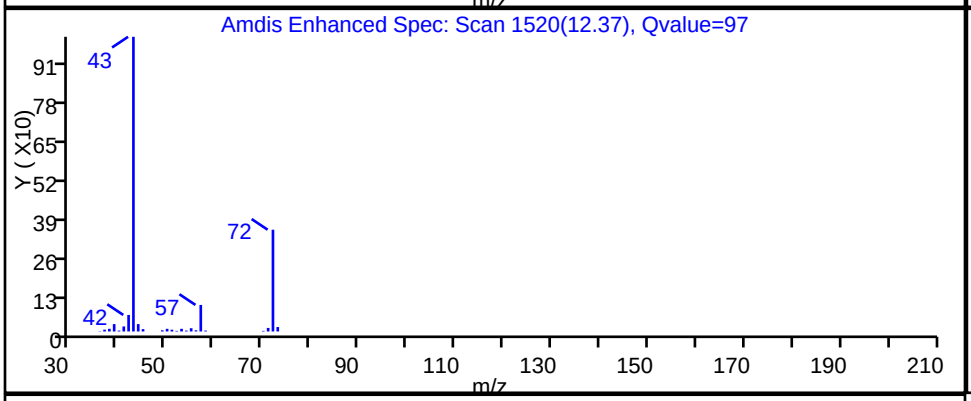
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140806-8889.b\8889_026.d

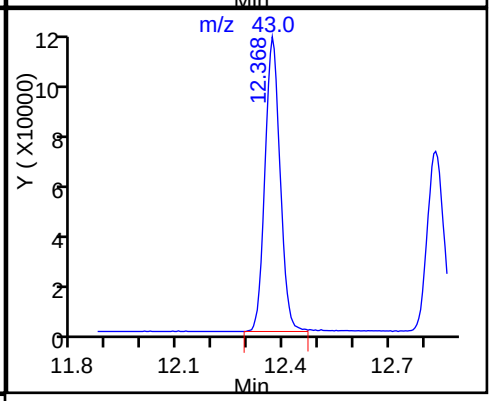
Injection Date:	07-Aug-2014 08:39:30	Instrument ID:	CHW.i		
Lims ID:	280-58004-A-8	Lab Sample ID:	200-58004-8		
Client ID:	785VMP0501JA				
Operator ID:	BPL	ALS Bottle#:	8	Worklist Smp#:	26
Purge Vol:	200.000 mL	Dil. Factor:	104.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

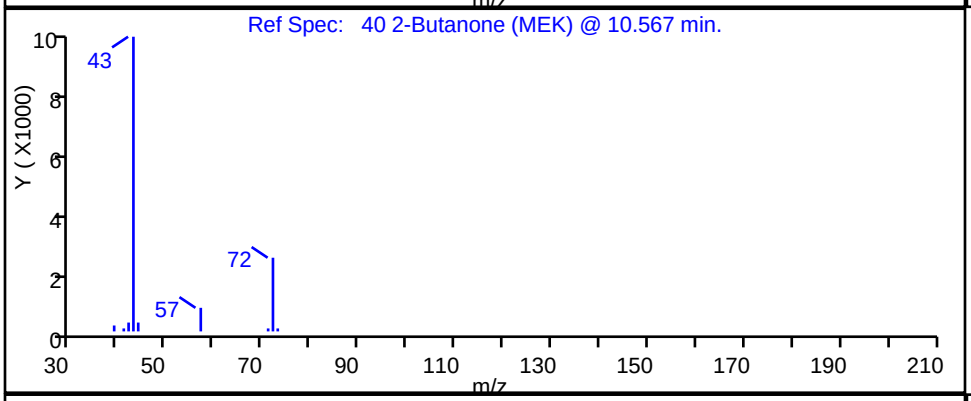
40 2-Butanone (MEK), CAS: 78-93-3

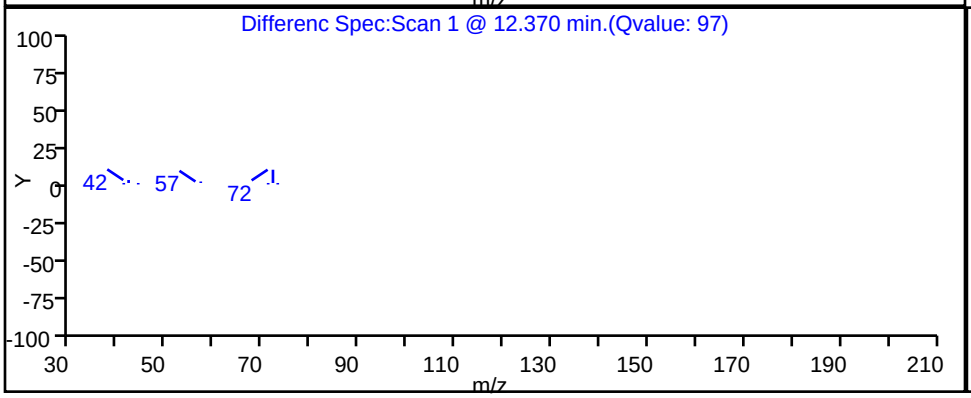


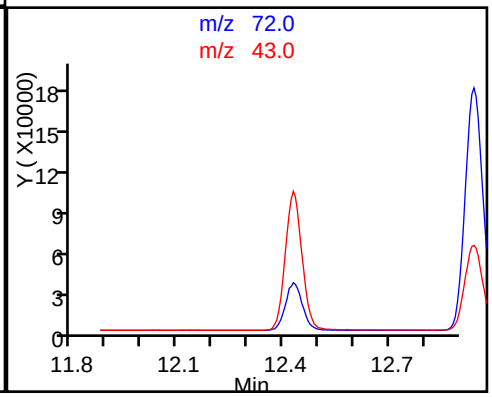












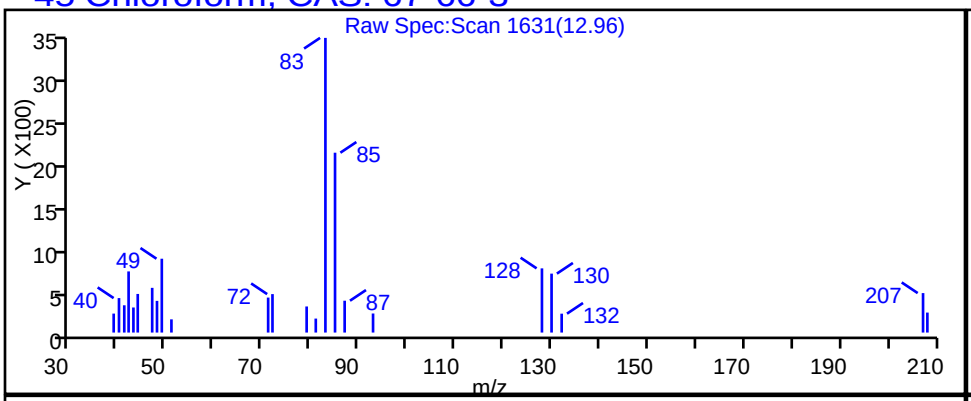
Report Date: 07-Aug-2014 10:08:44 Chrom Revision: 2.2 24-Jun-2014 07:21:42

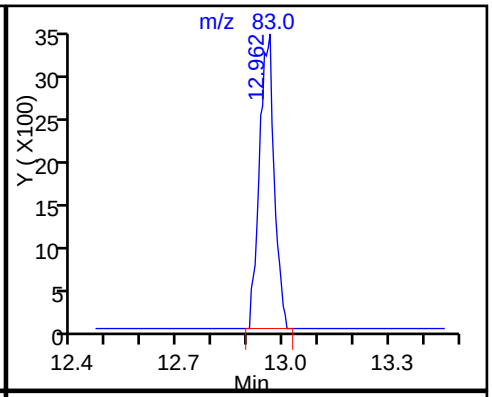
TestAmerica Burlington

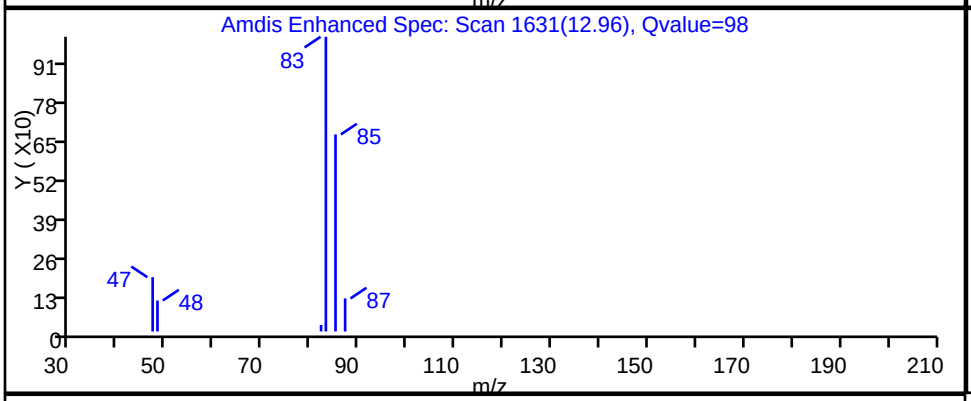
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140806-8889.b\8889_026.d

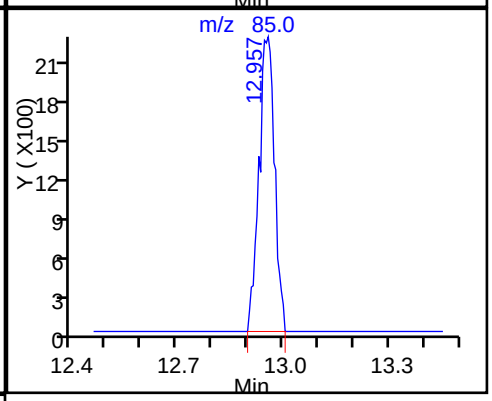
Injection Date:	07-Aug-2014 08:39:30	Instrument ID:	CHW.i		
Lims ID:	280-58004-A-8	Lab Sample ID:	200-58004-8		
Client ID:	785VMP0501JA				
Operator ID:	BPL	ALS Bottle#:	8	Worklist Smp#:	26
Purge Vol:	200.000 mL	Dil. Factor:	104.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

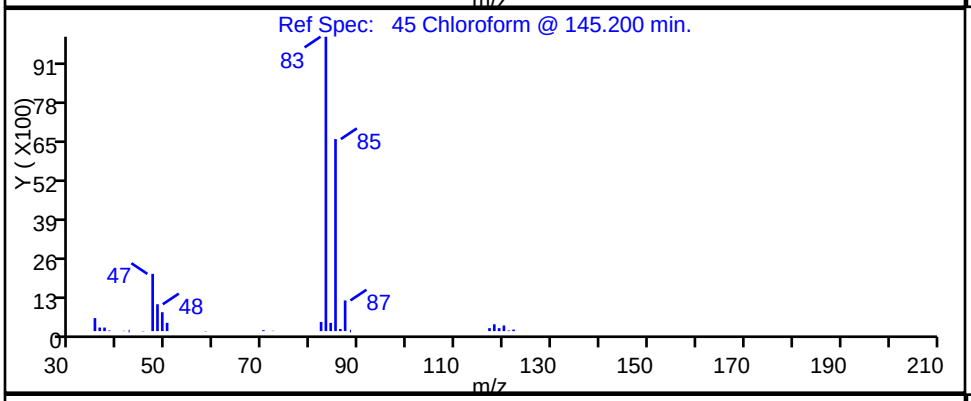
45 Chloroform, CAS: 67-66-3

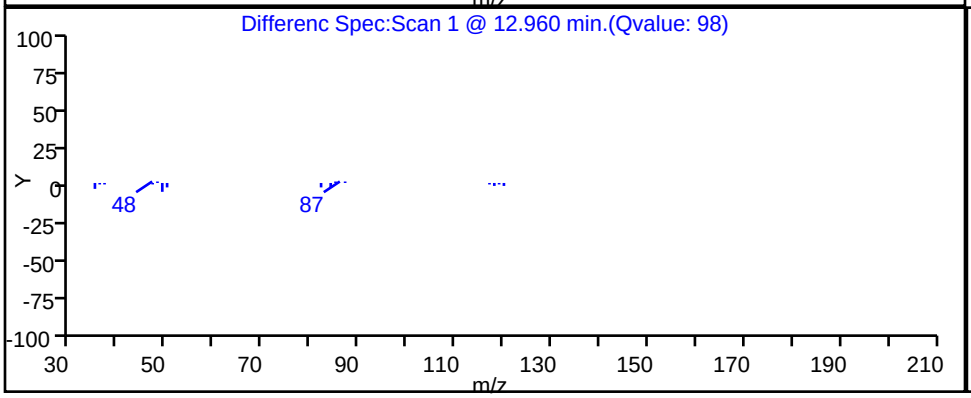


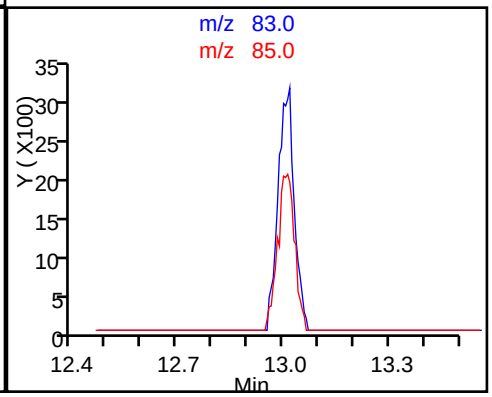












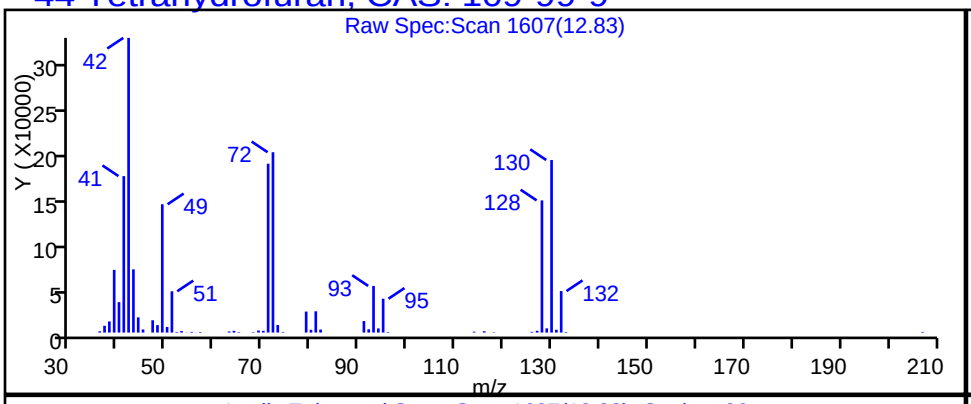
Report Date: 07-Aug-2014 10:08:44 Chrom Revision: 2.2 24-Jun-2014 07:21:42

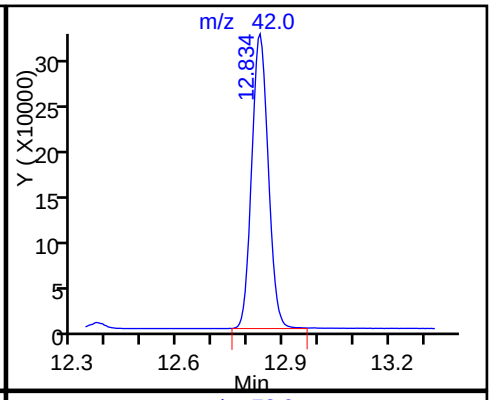
TestAmerica Burlington

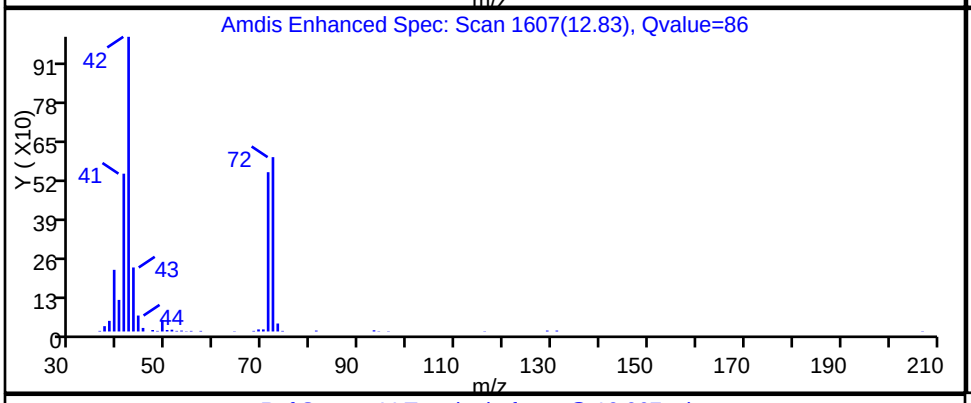
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140806-8889.b\8889_026.d

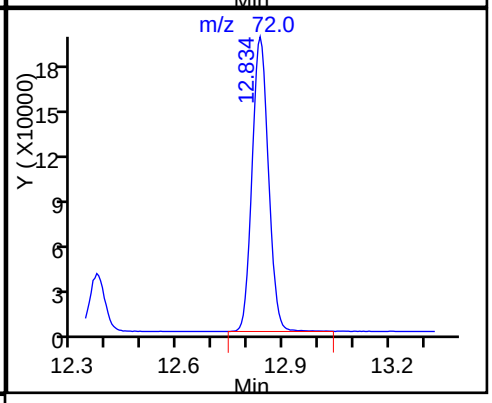
Injection Date:	07-Aug-2014 08:39:30	Instrument ID:	CHW.i
Lims ID:	280-58004-A-8	Lab Sample ID:	200-58004-8
Client ID:	785VMP0501JA		
Operator ID:	BPL	ALS Bottle#:	8 Worklist Smp#: 26
Purge Vol:	200.000 mL	Dil. Factor:	104.0000
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN

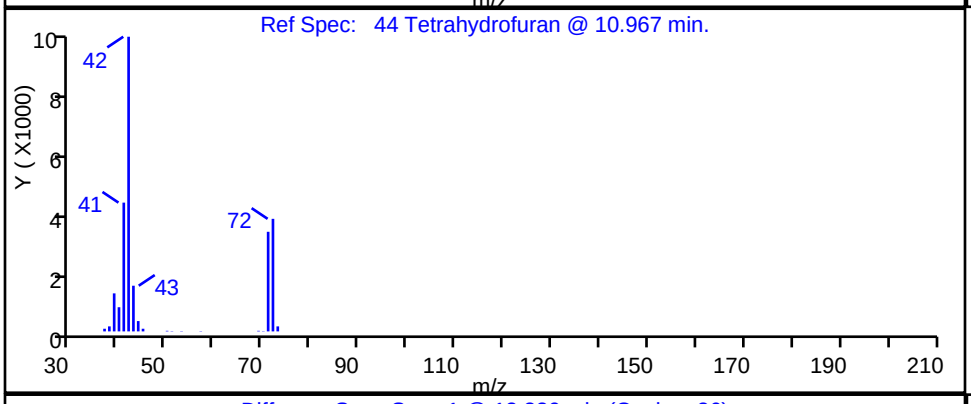
44 Tetrahydrofuran, CAS: 109-99-9

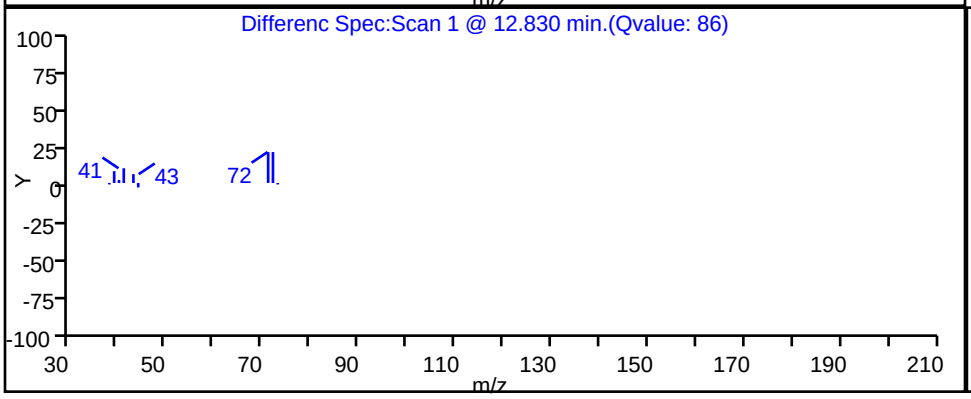


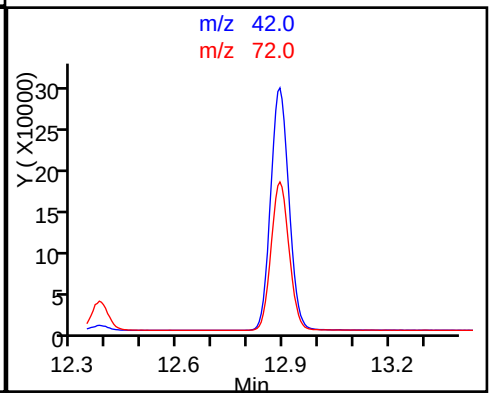












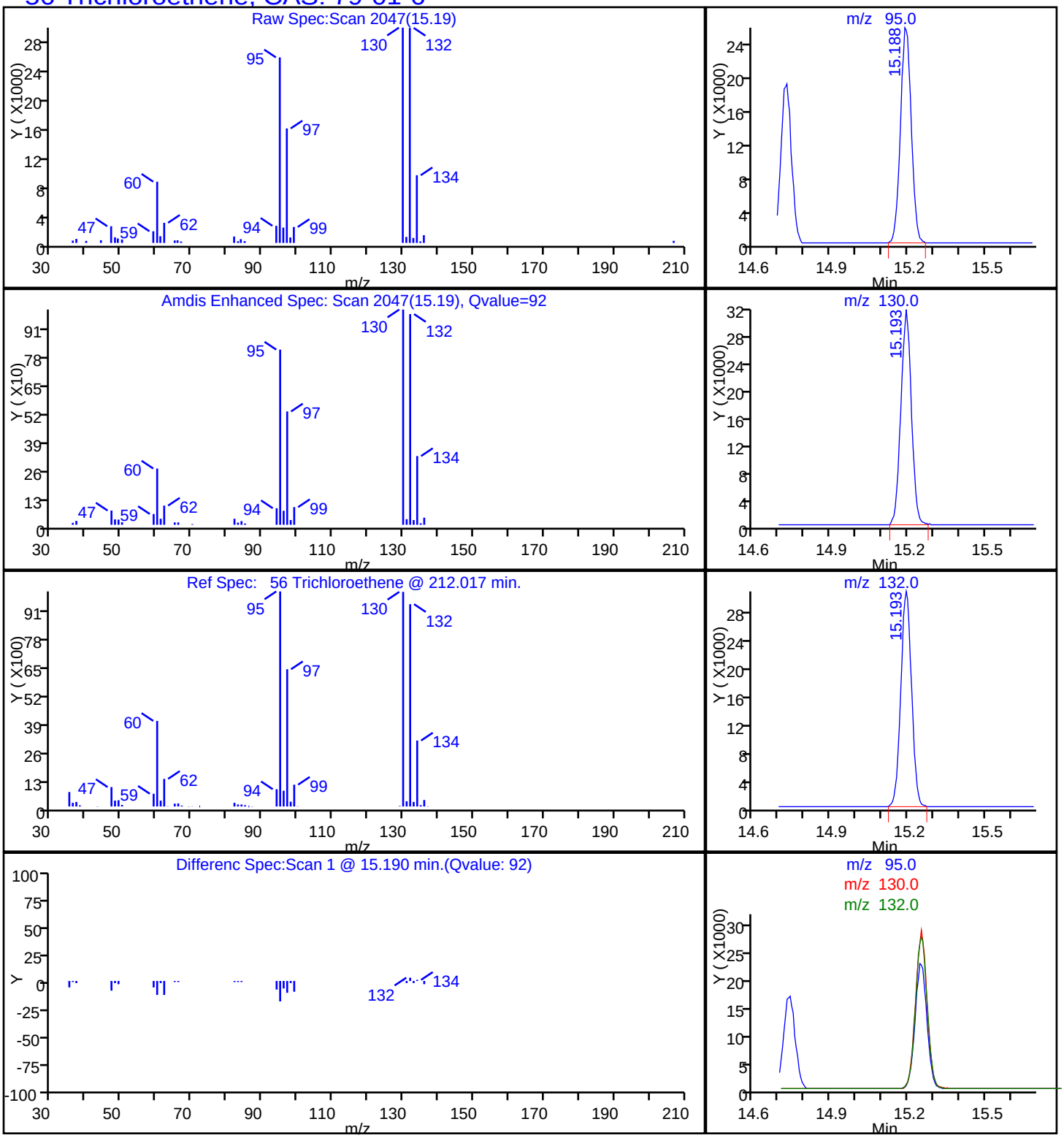
Report Date: 07-Aug-2014 10:08:44 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140806-8889.b\8889_026.d

Injection Date:	07-Aug-2014 08:39:30	Instrument ID:	CHW.i		
Lims ID:	280-58004-A-8	Lab Sample ID:	200-58004-8		
Client ID:	785VMP0501JA				
Operator ID:	BPL	ALS Bottle#:	8	Worklist Smp#:	26
Purge Vol:	200.000 mL	Dil. Factor:	104.0000		
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



Manual Integration/User Assign Peak Report

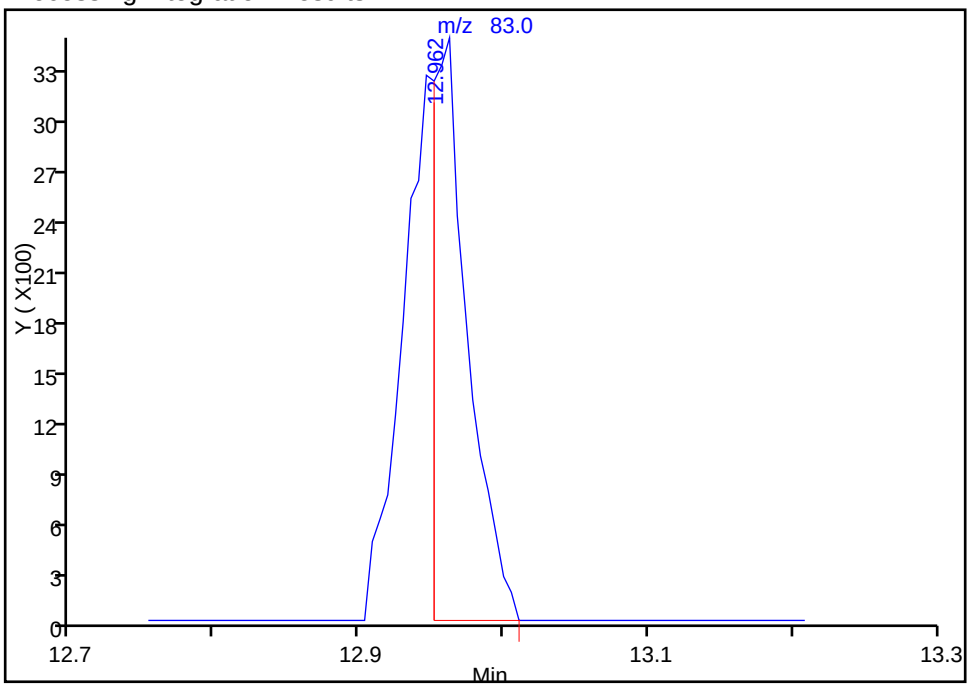
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140806-8889.b\8889_026.d				
Injection Date:	07-Aug-2014 08:39:30	Instrument ID:	CHW.i		
Lims ID:	280-58004-A-8	Lab Sample ID:	200-58004-8		
Client ID:	785VMP0501JA				
Operator ID:	BPL	ALS Bottle#:	8	Worklist Smp#:	26
Purge Vol:	200.000 mL	Dil. Factor:	104.0000		
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

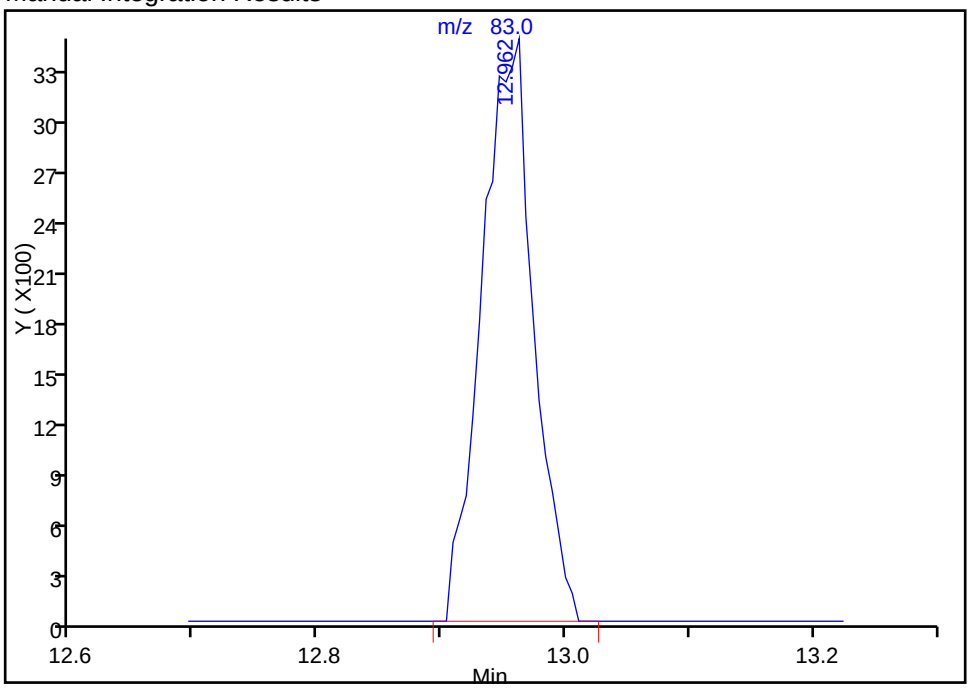
Processing Integration Results

RT: 12.96
Response: 5887
Amount: 0.052364



Manual Integration Results

RT: 12.96
Response: 10137
Amount: 0.090166



Reviewer: lyonsb, 07-Aug-2014 09:54:34
Audit Action: Manually Integrated
Audit Reason: Baseline Event

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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Client Sample ID: 785VMP0401LA Lab Sample ID: 280-58004-9

Matrix: Air Lab File ID: 8889_009.d

Analysis Method: TO-15 Date Collected: 07/18/2014 14:00

Sample wt/vol: 31(mL) Date Analyzed: 08/06/2014 18:36

Soil Aliquot Vol: Dilution Factor: 396

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75709 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	32	U	200	12
75-45-6	Freon 22	86.47	32	U	200	19
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	32	U	79	14
74-87-3	Chloromethane	50.49	200	U	200	54
106-97-8	n-Butane	58.12	200	U	200	110
75-01-4	Vinyl chloride	62.50	32	U	79	15
106-99-0	1,3-Butadiene	54.09	32	U	79	17
74-83-9	Bromomethane	94.94	32	U	79	11
75-00-3	Chloroethane	64.52	32	U	200	12
593-60-2	Bromoethene(Vinyl Bromide)	106.96	32	U	79	12
75-69-4	Trichlorofluoromethane	137.37	32	U	79	12
76-13-1	Freon TF	187.38	12	U	79	7.1
75-35-4	1,1-Dichloroethene	96.94	32	U	79	9.5
67-64-1	Acetone	58.08	3300	D	2000	500
67-63-0	Isopropyl alcohol	60.10	200	U	2000	85
75-15-0	Carbon disulfide	76.14	79	U	200	26
107-05-1	3-Chloropropene	76.53	32	U	200	13
75-09-2	Methylene Chloride	84.93	79	U	200	50
75-65-0	tert-Butyl alcohol	74.12	200	U	2000	130
1634-04-4	Methyl tert-butyl ether	88.15	32	U	79	8.7
156-60-5	trans-1,2-Dichloroethene	96.94	32	U	79	11
110-54-3	n-Hexane	86.17	32	U	79	13
75-34-3	1,1-Dichloroethane	98.96	32	U	79	15
78-93-3	Methyl Ethyl Ketone	72.11	770	D	200	96
156-59-2	cis-1,2-Dichloroethene	96.94	32	U	79	15
540-59-0	1,2-Dichloroethene, Total	96.94	32	U	79	25
67-66-3	Chloroform	119.38	32	U	79	9.9
109-99-9	Tetrahydrofuran	72.11	6800	D	2000	18
71-55-6	1,1,1-Trichloroethane	133.41	32	U	79	8.3
110-82-7	Cyclohexane	84.16	32	U	79	9.9
56-23-5	Carbon tetrachloride	153.81	32	U	79	8.3
540-84-1	2,2,4-Trimethylpentane	114.23	32	U	79	11
71-43-2	Benzene	78.11	12	U	79	7.5
107-06-2	1,2-Dichloroethane	98.96	12	U	79	6.7

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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Client Sample ID: 785VMP0401LA Lab Sample ID: 280-58004-9

Matrix: Air Lab File ID: 8889_009.d

Analysis Method: TO-15 Date Collected: 07/18/2014 14:00

Sample wt/vol: 31(mL) Date Analyzed: 08/06/2014 18:36

Soil Aliquot Vol: Dilution Factor: 396

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75709 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
142-82-5	n-Heptane	100.21	32	U	79	18
79-01-6	Trichloroethene	131.39	31	J D	79	9.5
80-62-6	Methyl methacrylate	100.12	32	U	200	12
78-87-5	1,2-Dichloropropane	112.99	32	U	79	13
123-91-1	1,4-Dioxane	88.11	79	U	2000	79
75-27-4	Bromodichloromethane	163.83	12	U	79	6.7
10061-01-5	cis-1,3-Dichloropropene	110.97	32	U	79	11
108-10-1	methyl isobutyl ketone	100.16	32	U	200	11
108-88-3	Toluene	92.14	12	U	79	6.7
10061-02-6	trans-1,3-Dichloropropene	110.97	32	U	79	8.7
79-00-5	1,1,2-Trichloroethane	133.41	12	U	79	6.7
127-18-4	Tetrachloroethene	165.83	12	U	79	6.3
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	79	U	200	79
124-48-1	Dibromochloromethane	208.29	12	U	79	7.9
106-93-4	1,2-Dibromoethane	187.87	32	U	79	7.9
108-90-7	Chlorobenzene	112.56	12	U	79	3.2
100-41-4	Ethylbenzene	106.17	12	U	79	5.1
179601-23-1	m,p-Xylene	106.17	32	U	200	9.1
95-47-6	Xylene, o-	106.17	12	U	79	6.3
1330-20-7	Xylene (total)	106.17	32	U	79	13
100-42-5	Styrene	104.15	12	U	79	7.1
75-25-2	Bromoform	252.75	12	U	79	4.0
98-82-8	Cumene	120.19	12	U	79	6.3
79-34-5	1,1,2,2-Tetrachloroethane	167.85	12	U	79	6.3
103-65-1	n-Propylbenzene	120.19	32	U	79	32
622-96-8	4-Ethyltoluene	120.20	12	U	79	7.1
108-67-8	1,3,5-Trimethylbenzene	120.20	12	U	79	4.8
95-49-8	2-Chlorotoluene	126.59	12	U	79	5.1
98-06-6	tert-Butylbenzene	134.22	12	U	79	6.7
95-63-6	1,2,4-Trimethylbenzene	120.20	12	U	79	5.5
135-98-8	sec-Butylbenzene	134.22	32	U	79	32
99-87-6	4-Isopropyltoluene	134.22	32	U	79	32
541-73-1	1,3-Dichlorobenzene	147.00	12	U	79	5.5
106-46-7	1,4-Dichlorobenzene	147.00	12	U	79	5.5

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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Client Sample ID: 785VMP0401LA Lab Sample ID: 280-58004-9

Matrix: Air Lab File ID: 8889_009.d

Analysis Method: TO-15 Date Collected: 07/18/2014 14:00

Sample wt/vol: 31(mL) Date Analyzed: 08/06/2014 18:36

Soil Aliquot Vol: Dilution Factor: 396

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75709 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	32	U	79	32
104-51-8	n-Butylbenzene	134.22	32	U	79	32
95-50-1	1,2-Dichlorobenzene	147.00	12	U	79	5.5
120-82-1	1,2,4-Trichlorobenzene	181.45	32	U	200	11
87-68-3	Hexachlorobutadiene	260.76	32	U	79	8.7
91-20-3	Naphthalene	128.17	79	U	200	79

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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Client Sample ID: 785VMP0401LA Lab Sample ID: 280-58004-9

Matrix: Air Lab File ID: 8889_009.d

Analysis Method: TO-15 Date Collected: 07/18/2014 14:00

Sample wt/vol: 31(mL) Date Analyzed: 08/06/2014 18:36

Soil Aliquot Vol: Dilution Factor: 396

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75709 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	160	U	980	59
75-45-6	Freon 22	86.47	110	U	700	67
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	220	U	550	97
74-87-3	Chloromethane	50.49	410	U	410	110
106-97-8	n-Butane	58.12	470	U	470	270
75-01-4	Vinyl chloride	62.50	81	U	200	38
106-99-0	1,3-Butadiene	54.09	70	U	180	37
74-83-9	Bromomethane	94.94	120	U	310	43
75-00-3	Chloroethane	64.52	84	U	520	31
593-60-2	Bromoethene(Vinyl Bromide)	106.96	140	U	350	52
75-69-4	Trichlorofluoromethane	137.37	180	U	440	67
76-13-1	Freon TF	187.38	91	U	610	55
75-35-4	1,1-Dichloroethene	96.94	130	U	310	38
67-64-1	Acetone	58.08	7900	D	4700	1200
67-63-0	Isopropyl alcohol	60.10	490	U	4900	210
75-15-0	Carbon disulfide	76.14	250	U	620	81
107-05-1	3-Chloropropene	76.53	99	U	620	42
75-09-2	Methylene Chloride	84.93	280	U	690	170
75-65-0	tert-Butyl alcohol	74.12	600	U	6000	390
1634-04-4	Methyl tert-butyl ether	88.15	110	U	290	31
156-60-5	trans-1,2-Dichloroethene	96.94	130	U	310	46
110-54-3	n-Hexane	86.17	110	U	280	47
75-34-3	1,1-Dichloroethane	98.96	130	U	320	61
78-93-3	Methyl Ethyl Ketone	72.11	2300	D	580	280
156-59-2	cis-1,2-Dichloroethene	96.94	130	U	310	60
540-59-0	1,2-Dichloroethene, Total	96.94	130	U	310	100
67-66-3	Chloroform	119.38	150	U	390	48
109-99-9	Tetrahydrofuran	72.11	20000	D	5800	54
71-55-6	1,1,1-Trichloroethane	133.41	170	U	430	45
110-82-7	Cyclohexane	84.16	110	U	270	34
56-23-5	Carbon tetrachloride	153.81	200	U	500	52
540-84-1	2,2,4-Trimethylpentane	114.23	150	U	370	50
71-43-2	Benzene	78.11	38	U	250	24
107-06-2	1,2-Dichloroethane	98.96	48	U	320	27

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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Client Sample ID: 785VMP0401LA Lab Sample ID: 280-58004-9

Matrix: Air Lab File ID: 8889_009.d

Analysis Method: TO-15 Date Collected: 07/18/2014 14:00

Sample wt/vol: 31(mL) Date Analyzed: 08/06/2014 18:36

Soil Aliquot Vol: Dilution Factor: 396

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75709 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
142-82-5	n-Heptane	100.21	130	U	320	75
79-01-6	Trichloroethene	131.39	170	J D	430	51
80-62-6	Methyl methacrylate	100.12	130	U	810	49
78-87-5	1,2-Dichloropropane	112.99	150	U	370	59
123-91-1	1,4-Dioxane	88.11	290	U	7100	290
75-27-4	Bromodichloromethane	163.83	80	U	530	45
10061-01-5	cis-1,3-Dichloropropene	110.97	140	U	360	50
108-10-1	methyl isobutyl ketone	100.16	130	U	810	44
108-88-3	Toluene	92.14	45	U	300	25
10061-02-6	trans-1,3-Dichloropropene	110.97	140	U	360	40
79-00-5	1,1,2-Trichloroethane	133.41	65	U	430	37
127-18-4	Tetrachloroethene	165.83	81	U	540	43
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	320	U	810	320
124-48-1	Dibromochloromethane	208.29	100	U	670	67
106-93-4	1,2-Dibromoethane	187.87	240	U	610	61
108-90-7	Chlorobenzene	112.56	55	U	360	15
100-41-4	Ethylbenzene	106.17	52	U	340	22
179601-23-1	m,p-Xylene	106.17	140	U	860	40
95-47-6	Xylene, o-	106.17	52	U	340	28
1330-20-7	Xylene (total)	106.17	140	U	340	58
100-42-5	Styrene	104.15	51	U	340	30
75-25-2	Bromoform	252.75	120	U	820	41
98-82-8	Cumene	120.19	58	U	390	31
79-34-5	1,1,2,2-Tetrachloroethane	167.85	82	U	540	43
103-65-1	n-Propylbenzene	120.19	160	U	390	160
622-96-8	4-Ethyltoluene	120.20	58	U	390	35
108-67-8	1,3,5-Trimethylbenzene	120.20	58	U	390	23
95-49-8	2-Chlorotoluene	126.59	62	U	410	27
98-06-6	tert-Butylbenzene	134.22	65	U	430	37
95-63-6	1,2,4-Trimethylbenzene	120.20	58	U	390	27
135-98-8	sec-Butylbenzene	134.22	170	U	430	170
99-87-6	4-Isopropyltoluene	134.22	170	U	430	170
541-73-1	1,3-Dichlorobenzene	147.00	71	U	480	33
106-46-7	1,4-Dichlorobenzene	147.00	71	U	480	33

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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Client Sample ID: 785VMP0401LA Lab Sample ID: 280-58004-9

Matrix: Air Lab File ID: 8889_009.d

Analysis Method: TO-15 Date Collected: 07/18/2014 14:00

Sample wt/vol: 31(mL) Date Analyzed: 08/06/2014 18:36

Soil Aliquot Vol: Dilution Factor: 396

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75709 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	160	U	410	160
104-51-8	n-Butylbenzene	134.22	170	U	430	170
95-50-1	1,2-Dichlorobenzene	147.00	71	U	480	33
120-82-1	1,2,4-Trichlorobenzene	181.45	240	U	1500	79
87-68-3	Hexachlorobutadiene	260.76	340	U	840	93
91-20-3	Naphthalene	128.17	420	U	1000	420

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140806-8889.b\8889_009.d
Lims ID: 280-58004-A-9 Lab Sample ID: 200-58004-9
Client ID: 785VMP0401LA
Sample Type: Client
Inject. Date: 06-Aug-2014 18:36:30 ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 200.000 mL Dil. Factor: 396.0000
Sample Info: 200-0008889-009
Misc. Info.: 280-58004-A-9
Operator ID: BPL Instrument ID: CHW.i

Method: \\BTV-LIMS1\ChromData\CHW.i\20140806-8889.b\TO15_LLNJ_TO3_W_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 07-Aug-2014 09:51:30 Calib Date: 15-Jun-2014 00:33:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20140613-8058.b\8058_017.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK003

First Level Reviewer: lyonsb Date: 07-Aug-2014 09:51:15

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85		4.488				ND	
6 Chlorodifluoromethane	51		4.552				ND	
7 1,2-Dichloro-1,1,2,2-tetra	85		4.841				ND	
8 Chloromethane	50		5.034				ND	
9 Butane	43		5.296				ND	
10 Vinyl chloride	62		5.355				ND	
11 Butadiene	54		5.451				ND	
12 Bromomethane	94		6.318				ND	
14 Chloroethane	64		6.596				ND	
16 Vinyl bromide	106		7.077				ND	
17 Trichlorofluoromethane	101		7.190				ND	
23 1,1,2-Trichloro-1,2,2-trif	101		8.436				ND	
24 1,1-Dichloroethene	96		8.511				ND	
25 Acetone	43	8.736	8.741	-0.005	90	537179	8.40	
26 Carbon disulfide	76		8.998				ND	
27 Isopropyl alcohol	45		9.025				ND	
29 3-Chloro-1-propene	41		9.399				ND	
31 Methylene Chloride	49		9.731				ND	
32 2-Methyl-2-propanol	59		9.897				ND	
33 Methyl tert-butyl ether	73		10.148				ND	
S 41 1,2-Dichloroethene, Total	61		10.200				0	
34 trans-1,2-Dichloroethene	61		10.223				ND	
36 Hexane	57		10.640				ND	
37 1,1-Dichloroethane	63		11.191				ND	
39 cis-1,2-Dichloroethene	96		12.363				ND	
40 2-Butanone (MEK)	72	12.374	12.373	0.001	97	52253	1.94	
44 Tetrahydrofuran	42	12.828	12.834	-0.006	90	721131	17.1	
* 43 Chlorobromomethane	128	12.839	12.844	-0.005	80	418826	10.0	
45 Chloroform	83		12.957				ND	
46 Cyclohexane	84		13.251				ND	
47 1,1,1-Trichloroethane	97		13.262				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
48 Carbon tetrachloride	117		13.518				ND	
51 Isooctane	57		13.909				ND	
50 Benzene	78		13.968				ND	
52 1,2-Dichloroethane	62		14.128				ND	
53 n-Heptane	43		14.257				ND	
* 54 1,4-Difluorobenzene	114	14.728	14.727	0.001	92	1982813	10.0	
56 Trichloroethene	95	15.182	15.193	-0.011	91	5651	0.0775	
58 1,2-Dichloropropane	63		15.712				ND	
59 Methyl methacrylate	69		15.797				ND	
60 1,4-Dioxane	88		15.883				ND	
62 Dichlorobromomethane	83		16.204				ND	
64 cis-1,3-Dichloropropene	75		17.065				ND	
65 4-Methyl-2-pentanone (MIBK	43		17.295				ND	
66 Toluene	92		17.638				ND	
70 trans-1,3-Dichloropropene	75		18.173				ND	
71 1,1,2-Trichloroethane	83		18.536				ND	
72 Tetrachloroethene	166		18.681				ND	
73 2-Hexanone	43		18.922				ND	
74 Chlorodibromomethane	129		19.296				ND	
75 Ethylene Dibromide	107		19.580				ND	
S 82 Xylenes, Total	106		20.100				0	
* 76 Chlorobenzene-d5	117	20.420	20.425	-0.005	81	1767536	10.0	
77 Chlorobenzene	112		20.478				ND	
78 Ethylbenzene	91		20.591				ND	
80 m-Xylene & p-Xylene	106		20.810				ND	
83 o-Xylene	106		21.521				ND	
84 Styrene	104		21.564				ND	
85 Bromoform	173		21.944				ND	
86 Isopropylbenzene	105		22.089				ND	
$ 87 4-Bromofluorobenzene	95	22.426	22.426	0.000	97	1040908	NC	
88 1,1,2,2-Tetrachloroethane	83		22.650				ND	
90 N-Propylbenzene	91		22.725				ND	
91 4-Ethyltoluene	105		22.891				ND	
92 2-Chlorotoluene	91		22.923				ND	
94 1,3,5-Trimethylbenzene	105		22.982				ND	
96 tert-Butylbenzene	119		23.458				ND	
97 1,2,4-Trimethylbenzene	105		23.549				ND	
98 sec-Butylbenzene	105		23.790				ND	
99 4-Isopropyltoluene	119		23.988				ND	
100 1,3-Dichlorobenzene	146		24.063				ND	
101 1,4-Dichlorobenzene	146		24.207				ND	
102 Benzyl chloride	91		24.416				ND	
103 n-Butylbenzene	91		24.624				ND	
105 1,2-Dichlorobenzene	146		24.812				ND	
107 1,2,4-Trichlorobenzene	180		27.690				ND	
108 Hexachlorobutadiene	225		27.893				ND	
109 Naphthalene	128		28.278				ND	

QC Flag Legend

Processing Flags
NC - Not Calibrated
ND - Not Detected or Marked ND

Reagents:

ATTO15WISs_00003 Amount Added: 20.00 Units: mL Run Reagent

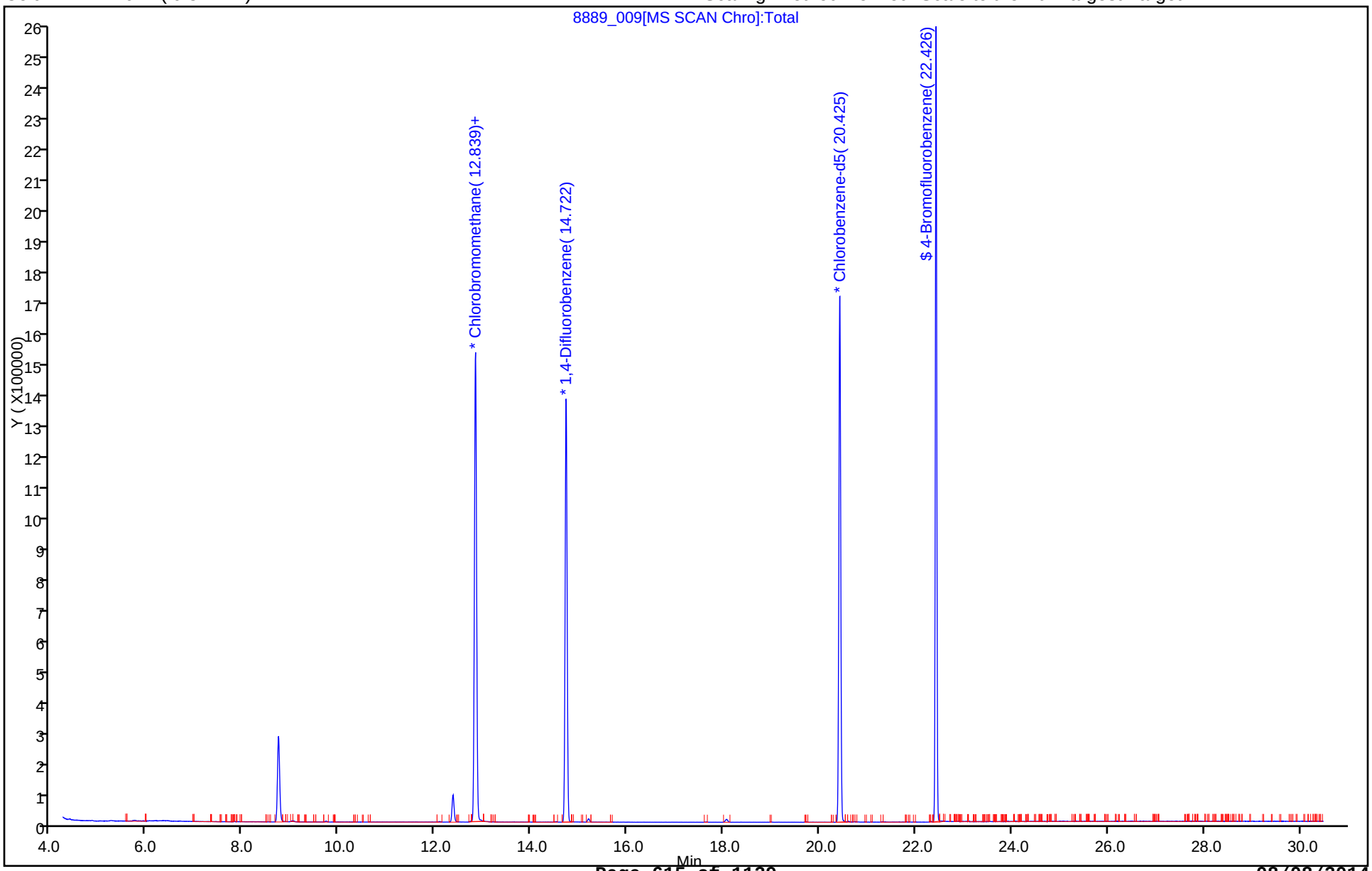
Report Date: 07-Aug-2014 09:51:37 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140806-8889.b\8889_009.d

Injection Date:	06-Aug-2014 18:36:30	Instrument ID:	CHW.i	Operator ID:	BPL
Lims ID:	280-58004-A-9	Lab Sample ID:	200-58004-9	Worklist Smp#:	9
Client ID:	785VMP0401LA				
Purge Vol:	200.000 mL	Dil. Factor:	396.0000	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



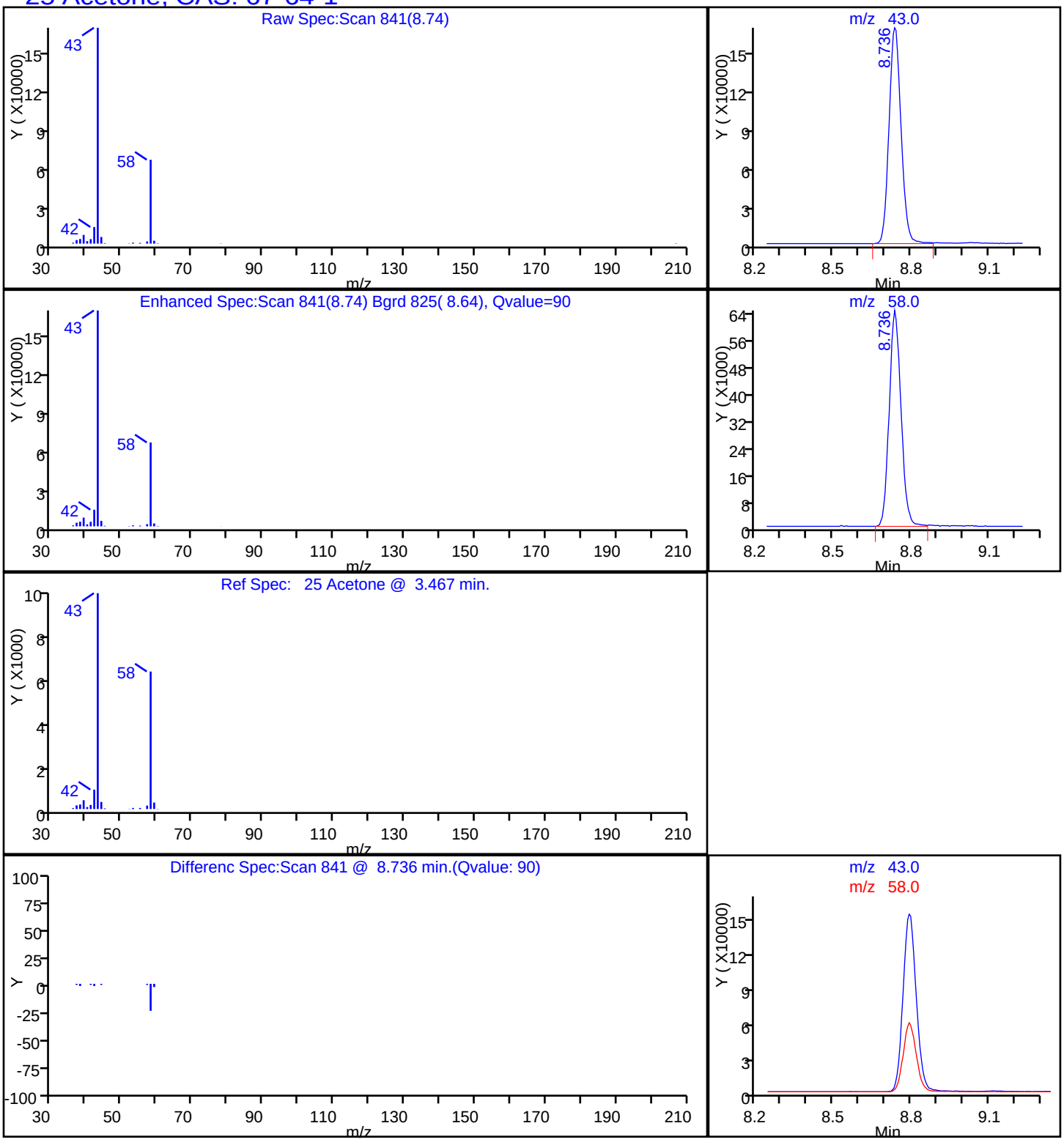
Report Date: 07-Aug-2014 09:51:37 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140806-8889.b\8889_009.d

Injection Date:	06-Aug-2014 18:36:30	Instrument ID:	CHW.i		
Lims ID:	280-58004-A-9	Lab Sample ID:	200-58004-9		
Client ID:	785VMP0401LA				
Operator ID:	BPL	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	396.0000		
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



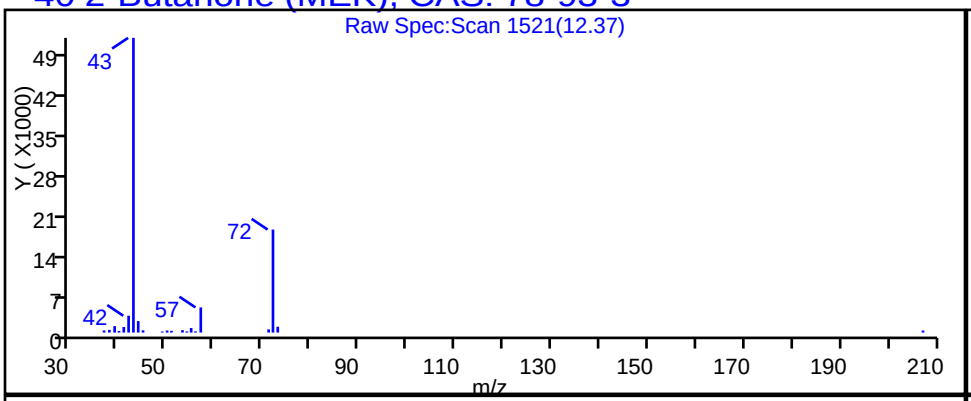
Report Date: 07-Aug-2014 09:51:37 Chrom Revision: 2.2 24-Jun-2014 07:21:42

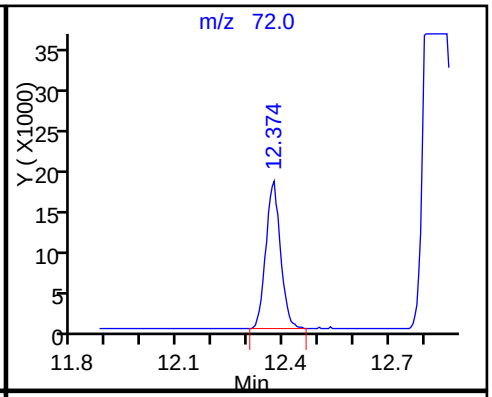
TestAmerica Burlington

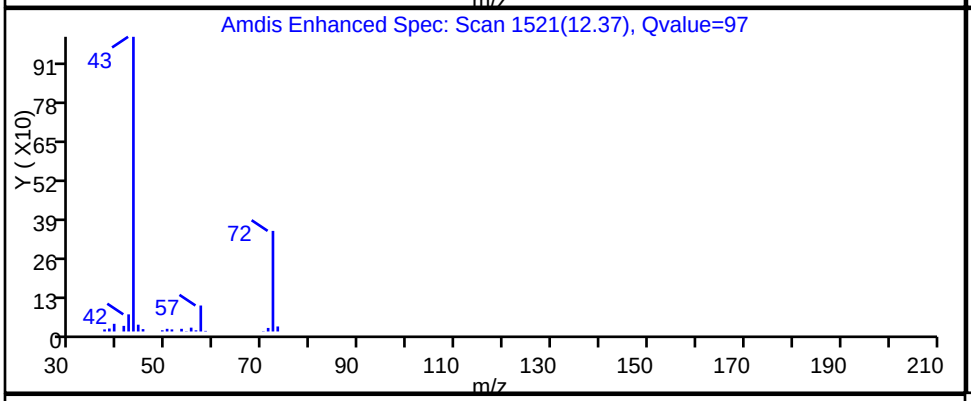
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140806-8889.b\8889_009.d

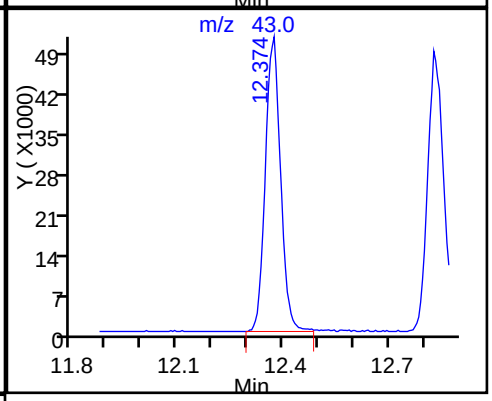
Injection Date:	06-Aug-2014 18:36:30	Instrument ID:	CHW.i		
Lims ID:	280-58004-A-9	Lab Sample ID:	200-58004-9		
Client ID:	785VMP0401LA				
Operator ID:	BPL	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	396.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

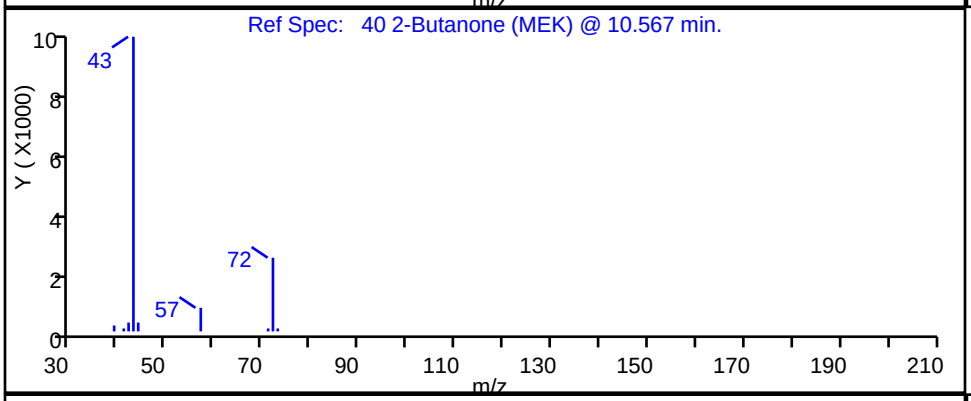
40 2-Butanone (MEK), CAS: 78-93-3

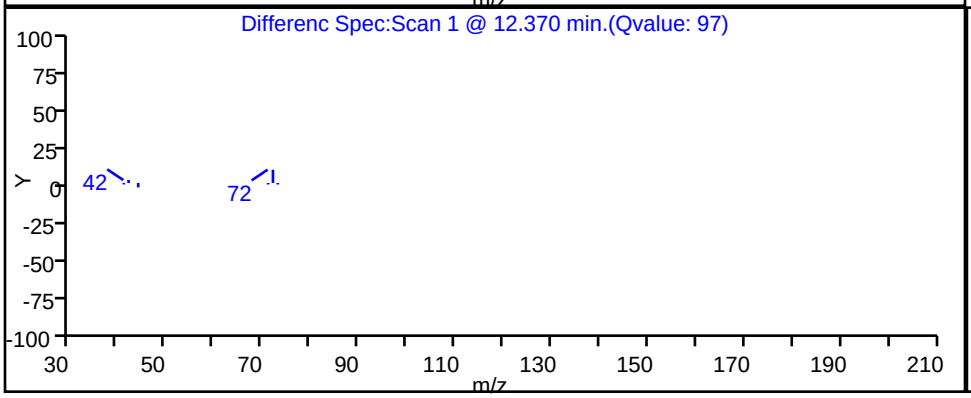


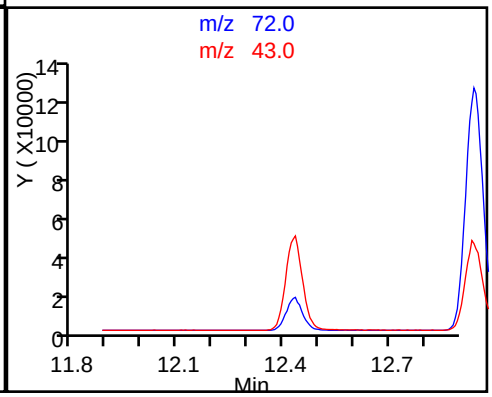












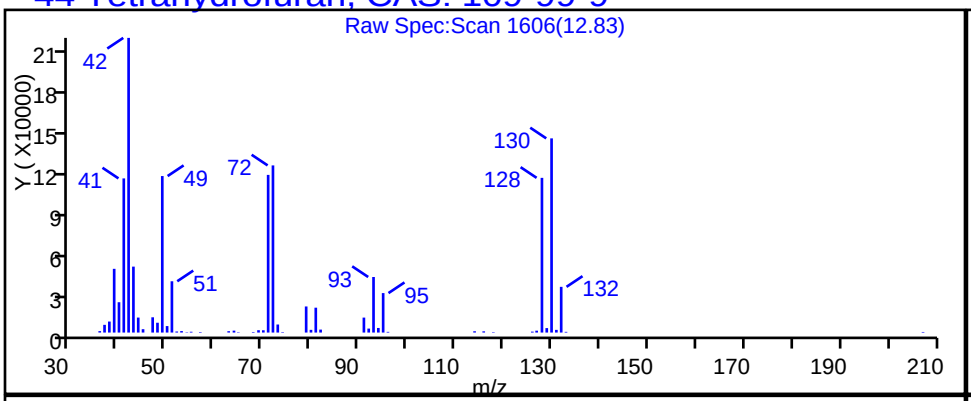
Report Date: 07-Aug-2014 09:51:37 Chrom Revision: 2.2 24-Jun-2014 07:21:42

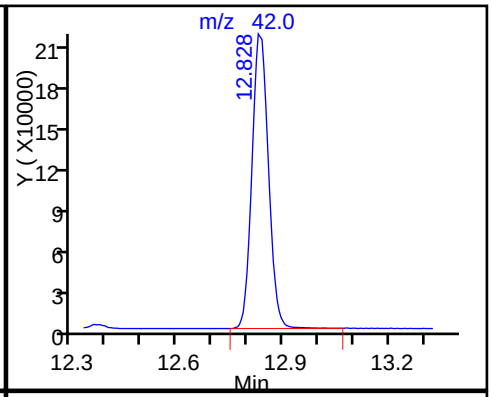
TestAmerica Burlington

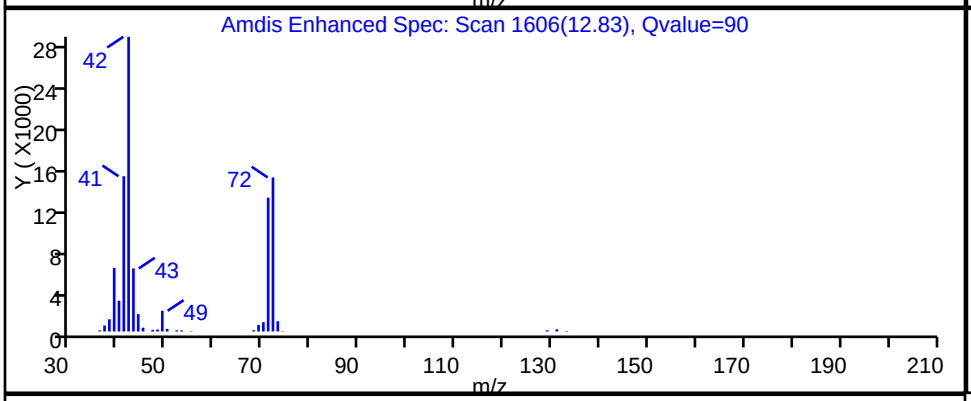
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140806-8889.b\8889_009.d

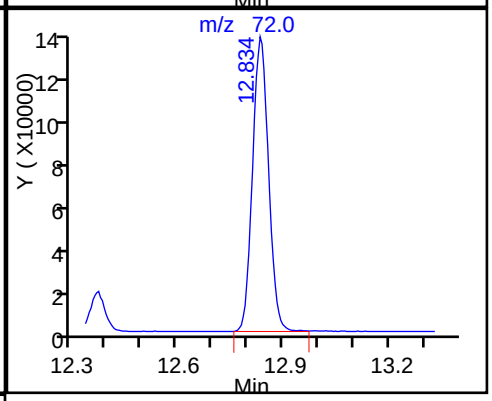
Injection Date:	06-Aug-2014 18:36:30	Instrument ID:	CHW.i		
Lims ID:	280-58004-A-9	Lab Sample ID:	200-58004-9		
Client ID:	785VMP0401LA				
Operator ID:	BPL	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	396.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

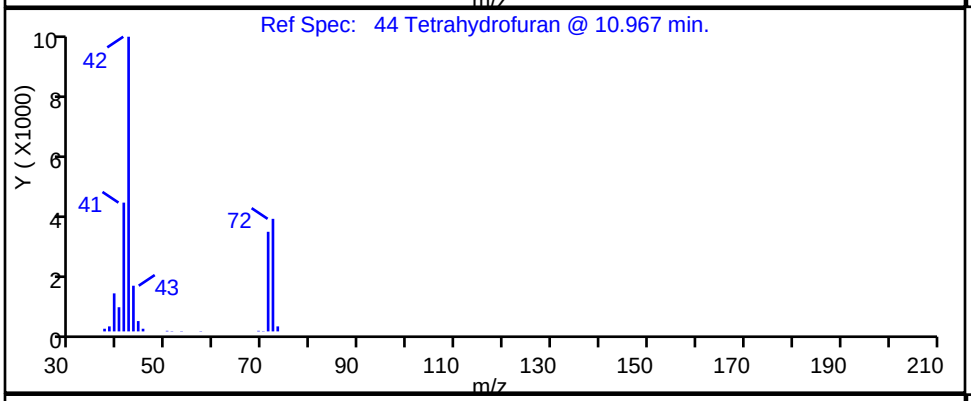
44 Tetrahydrofuran, CAS: 109-99-9

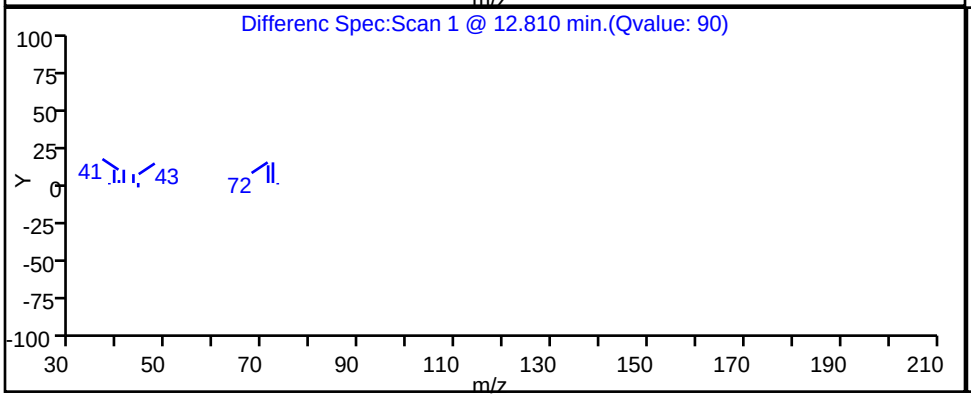


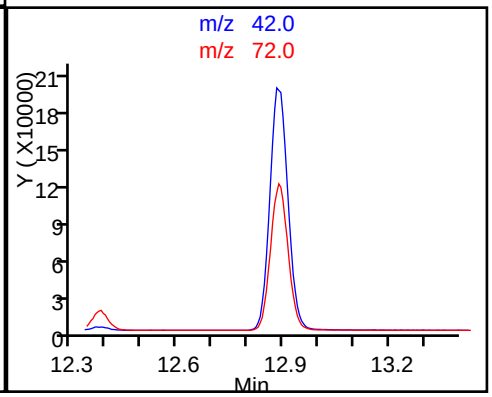












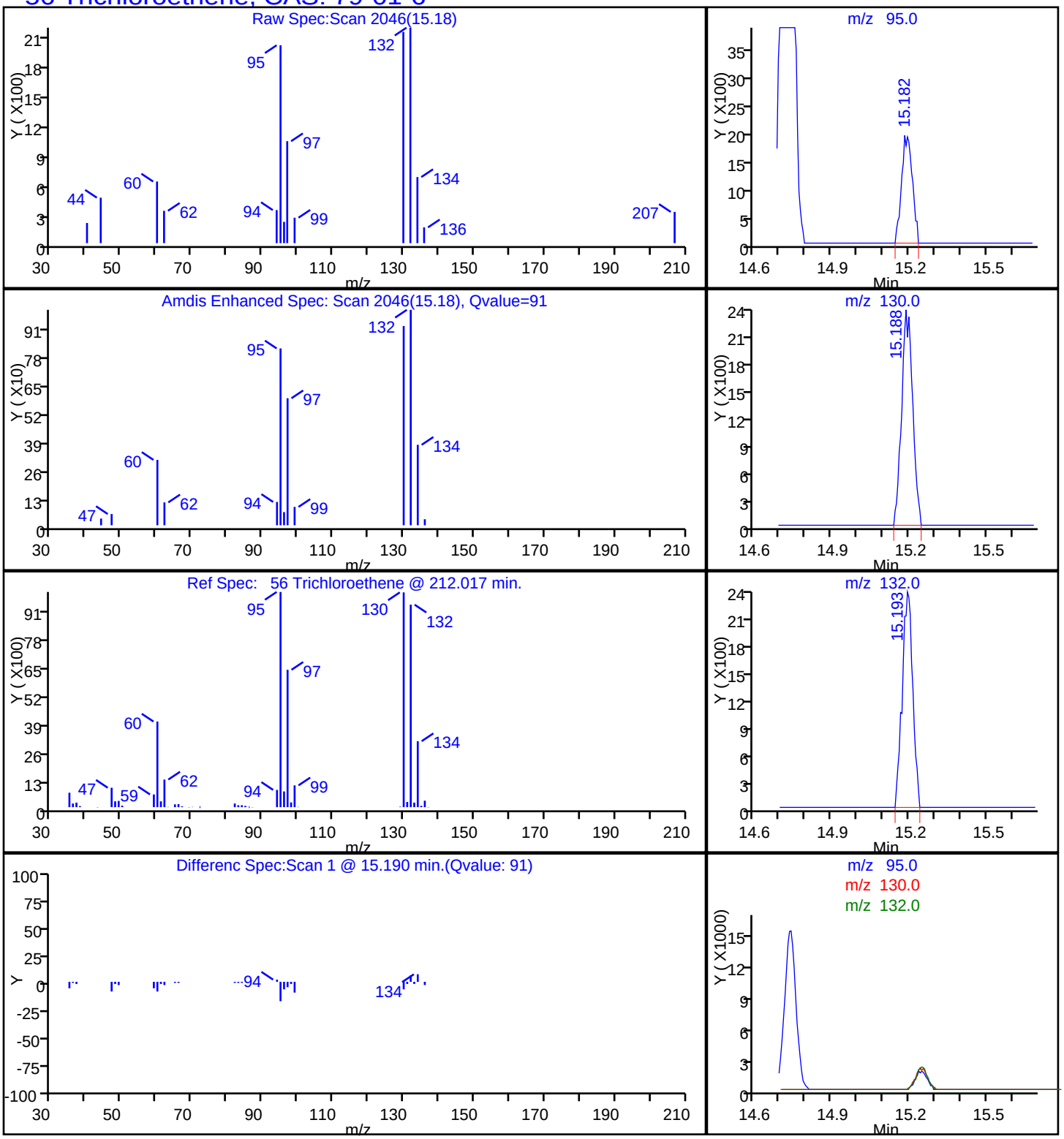
Report Date: 07-Aug-2014 09:51:37 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140806-8889.b\8889_009.d

Injection Date:	06-Aug-2014 18:36:30	Instrument ID:	CHW.i		
Lims ID:	280-58004-A-9	Lab Sample ID:	200-58004-9		
Client ID:	785VMP0401LA				
Operator ID:	BPL	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	396.0000		
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



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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Client Sample ID: 785VMP0202MC Lab Sample ID: 280-58004-10

Matrix: Air Lab File ID: 8862_009.D

Analysis Method: TO-15 Date Collected: 07/18/2014 13:40

Sample wt/vol: 200(mL) Date Analyzed: 08/05/2014 16:39

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75651 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	0.63		0.50	0.030
75-45-6	Freon 22	86.47	0.34	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	2.0		0.50	0.14
106-97-8	n-Butane	58.12	0.50		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		0.20	0.030
76-13-1	Freon TF	187.38	0.079	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	11		5.0	1.3
67-63-0	Isopropyl alcohol	60.10	3.0	J	5.0	0.22
75-15-0	Carbon disulfide	76.14	0.95		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	0.13	J	0.50	0.13
75-65-0	tert-Butyl alcohol	74.12	0.83	J	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	0.51		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	1.9		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	0.40		0.20	0.025
109-99-9	Tetrahydrofuran	72.11	5.6		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	0.074	J	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	0.10	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.: 280-58004-1

SDG No.:

Client Sample ID: 785VMP0202MC Lab Sample ID: 280-58004-10

Matrix: Air Lab File ID: 8862_009.D

Analysis Method: TO-15 Date Collected: 07/18/2014 13:40

Sample wt/vol: 200(mL) Date Analyzed: 08/05/2014 16:39

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75651 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	3.8		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	1.8	J	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	0.13	J	0.50	0.027
108-88-3	Toluene	92.14	0.20		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	0.30	J M	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	0.041	J	0.20	0.013
179601-23-1	m,p-Xylene	106.17	0.075	J	0.50	0.023
95-47-6	Xylene, o-	106.17	0.033	J	0.20	0.016
1330-20-7	Xylene (total)	106.17	0.11	J	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	0.012	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	0.053	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	0.031	J	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.: 280-58004-1

SDG No.:

Client Sample ID: 785VMP0202MC Lab Sample ID: 280-58004-10

Matrix: Air Lab File ID: 8862_009.D

Analysis Method: TO-15 Date Collected: 07/18/2014 13:40

Sample wt/vol: 200(mL) Date Analyzed: 08/05/2014 16:39

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75651 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.: 280-58004-1

SDG No.:

Client Sample ID: 785VMP0202MC Lab Sample ID: 280-58004-10

Matrix: Air Lab File ID: 8862_009.D

Analysis Method: TO-15 Date Collected: 07/18/2014 13:40

Sample wt/vol: 200(mL) Date Analyzed: 08/05/2014 16:39

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75651 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	3.1		2.5	0.15
75-45-6	Freon 22	86.47	1.2	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	4.2		1.0	0.28
106-97-8	n-Butane	58.12	1.2		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	1.4		1.1	0.17
76-13-1	Freon TF	187.38	0.61	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	26		12	3.0
67-63-0	Isopropyl alcohol	60.10	7.5	J	12	0.53
75-15-0	Carbon disulfide	76.14	3.0		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	0.45	J	1.7	0.43
75-65-0	tert-Butyl alcohol	74.12	2.5	J	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	1.8		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	5.5		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	2.0		0.98	0.12
109-99-9	Tetrahydrofuran	72.11	16		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	0.47	J	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	0.33	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.: 280-58004-1

SDG No.:

Client Sample ID: 785VMP0202MC Lab Sample ID: 280-58004-10

Matrix: Air Lab File ID: 8862_009.D

Analysis Method: TO-15 Date Collected: 07/18/2014 13:40

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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.: 75651 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	21		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	6.6	J	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	0.53	J	2.0	0.11
108-88-3	Toluene	92.14	0.75		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	1.2	J M	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	0.18	J	0.87	0.056
179601-23-1	m,p-Xylene	106.17	0.33	J	2.2	0.10
95-47-6	Xylene, o-	106.17	0.15	J	0.87	0.069
1330-20-7	Xylene (total)	106.17	0.47	J	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	0.059	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	0.26	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	0.19	J	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.: 280-58004-1

SDG No.:

Client Sample ID: 785VMP0202MC Lab Sample ID: 280-58004-10

Matrix: Air Lab File ID: 8862_009.D

Analysis Method: TO-15 Date Collected: 07/18/2014 13:40

Sample wt/vol: 200(mL) Date Analyzed: 08/05/2014 16:39

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75651 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\CHC.i\20140805-8862.b\8862_009.D
Lims ID: 280-58004-A-10 Lab Sample ID: 200-58004-10
Client ID: 785VMP0202MC
Sample Type: Client
Inject. Date: 05-Aug-2014 16:39:30 ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0008862-009
Misc. Info.: 58004-10
Operator ID: wrd Instrument ID: CHC.i

Method: \\BTV-LIMS1\ChromData\CHC.i\20140805-8862.b\TO15_LLNJ_TO3_CHC.m
Limit Group: AI_TO15_ICAL
Last Update: 06-Aug-2014 12:24:29 Calib Date: 18-Jul-2014 09:36:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\8605_018.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK006

First Level Reviewer: desjardinsb Date: 06-Aug-2014 14:40:49

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	3.074	3.074	0.000	99	16451	0.6342	
6 Chlorodifluoromethane	51	3.133	3.127	0.006	95	3988	0.3434	
7 1,2-Dichloro-1,1,2,2-tetra	85		3.346				ND	
8 Chloromethane	50	3.490	3.490	0.000	98	12596	2.04	
9 Butane	43	3.693	3.698	-0.005	93	5001	0.4995	
10 Vinyl chloride	62		3.741				ND	
11 Butadiene	54		3.821				ND	
12 Bromomethane	94		4.531				ND	
13 Chloroethane	64		4.782				ND	
15 Vinyl bromide	106		5.187				ND	
16 Trichlorofluoromethane	101	5.283	5.289	-0.006	98	6778	0.2444	
23 1,1,2-Trichloro-1,2,2-trif	101	6.404	6.415	-0.011	41	1230	0.0793	
24 1,1-Dichloroethene	96		6.452				ND	
25 Acetone	43	6.735	6.735	0.000	85	109660	10.9	
26 Carbon disulfide	76	6.831	6.836	-0.005	99	20306	0.9479	
27 Isopropyl alcohol	45	7.071	7.060	0.011	97	24475	3.04	
29 3-Chloro-1-propene	41		7.279				ND	
31 Methylene Chloride	49	7.589	7.583	0.006	88	933	0.1309	
32 2-Methyl-2-propanol	59	7.866	7.856	0.010	96	10958	0.8253	
33 Methyl tert-butyl ether	73		8.005				ND	
34 trans-1,2-Dichloroethene	61		8.026				ND	
36 Hexane	57	8.421	8.421	0.000	90	4742	0.5102	
37 1,1-Dichloroethane	63		8.928				ND	
39 cis-1,2-Dichloroethene	96		10.070				ND	
40 2-Butanone (MEK)	72	10.145	10.145	0.000	99	8290	1.86	
S 41 1,2-Dichloroethene, Total	61		10.200				0	
* 43 Chlorobromomethane	128	10.546	10.545	0.001	91	83751	10.0	
44 Tetrahydrofuran	42	10.562	10.561	0.001	90	49077	5.58	
45 Chloroform	83	10.690	10.689	0.001	96	9136	0.4031	
46 Cyclohexane	84		10.908				ND	
47 1,1,1-Trichloroethane	97		10.951				0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
48 Carbon tetrachloride	117	11.186	11.196	-0.010	70	2243	0.0741	
51 Isooctane	57		11.645				ND	
50 Benzene	78	11.677	11.682	-0.005	80	3463	0.1018	
52 1,2-Dichloroethane	62		11.885				ND	
53 n-Heptane	43		12.050				ND	
* 54 1,4-Difluorobenzene	114	12.558	12.563	-0.005	97	536901	10.0	
56 Trichloroethene	95	13.022	13.022	0.000	91	71440	3.83	
58 1,2-Dichloropropane	63		13.603				ND	
59 Methyl methacrylate	69		13.790				ND	
60 1,4-Dioxane	88	13.854	13.849	0.005	96	11441	1.82	
62 Dichlorobromomethane	83		14.169				ND	
64 cis-1,3-Dichloropropene	75		15.119				ND	
65 4-Methyl-2-pentanone (MIBK	43	15.429	15.429	0.000	76	4531	0.1299	
66 Toluene	92	15.701	15.706	-0.005	93	5612	0.1997	
70 trans-1,3-Dichloropropene	75		16.320				ND	
71 1,1,2-Trichloroethane	83		16.699				ND	
72 Tetrachloroethene	166		16.779				ND	
73 2-Hexanone	43	17.153	17.158	-0.005	80	9580	0.3028	M
74 Chlorodibromomethane	129		17.457				ND	
75 Ethylene Dibromide	107		17.724				ND	
* 76 Chlorobenzene-d5	117	18.615	18.615	0.000	93	496380	10.0	
77 Chlorobenzene	112		18.673				ND	
78 Ethylbenzene	91	18.823	18.828	-0.005	1	2540	0.0405	
81 m-Xylene & p-Xylene	106	19.079	19.079	0.000	95	1746	0.0749	
83 o-Xylene	106	19.917	19.917	0.000	89	812	0.0334	
84 Styrene	104		19.970				0	
S 82 Xylenes, Total	106				0		0.1084	
85 Bromoform	173		20.387				ND	
86 Isopropylbenzene	105		20.589				ND	
$ 87 4-Bromofluorobenzene	95	20.953	20.958	-0.006	80	418176	NC	
88 1,1,2,2-Tetrachloroethane	83		21.246				0	
90 N-Propylbenzene	91		21.299				0	
91 4-Ethyltoluene	105	21.481	21.491	-0.010	39	945	0.0148	
92 2-Chlorotoluene	91		21.497				ND	
94 1,3,5-Trimethylbenzene	105	21.593	21.593	0.000	1	701	0.0120	
96 tert-Butylbenzene	119		22.078				ND	
97 1,2,4-Trimethylbenzene	105	22.169	22.175	-0.005	94	3080	0.0527	
98 sec-Butylbenzene	105		22.399				ND	
99 4-Isopropyltoluene	119		22.601				0	
100 1,3-Dichlorobenzene	146	22.634	22.628	0.006	68	1153	0.0311	
101 1,4-Dichlorobenzene	146		22.762				ND	
102 Benzyl chloride	91		22.964				0	
103 n-Butylbenzene	91		23.167				0	
105 1,2-Dichlorobenzene	146		23.295				ND	
107 1,2,4-Trichlorobenzene	180		25.793				ND	
108 Hexachlorobutadiene	225		25.974				ND	
109 Naphthalene	128		26.279				0	

QC Flag Legend

Processing Flags
NC - Not Calibrated
ND - Not Detected or Marked ND

Review Flags
M - Manually Integrated

Reagents:

ATTO15CISs_00006 Amount Added: 20.00 Units: mL Run Reagent

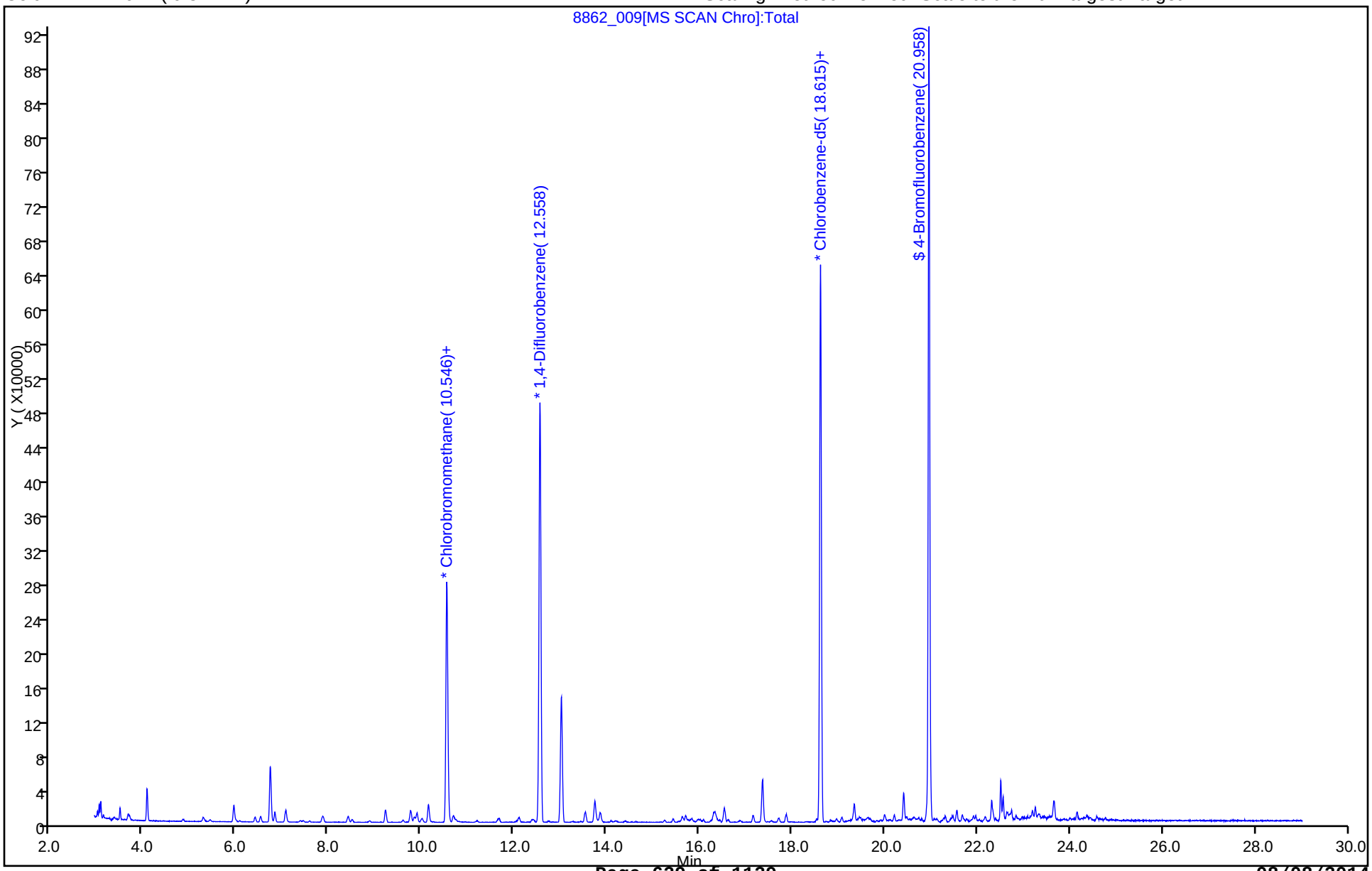
Report Date: 06-Aug-2014 14:40:49 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140805-8862.b\8862_009.D

Injection Date:	05-Aug-2014 16:39:30	Instrument ID:	CHC.i	Operator ID:	wrd
Lims ID:	280-58004-A-10	Lab Sample ID:	200-58004-10	Worklist Smp#:	9
Client ID:	785VMP0202MC				
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	8
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



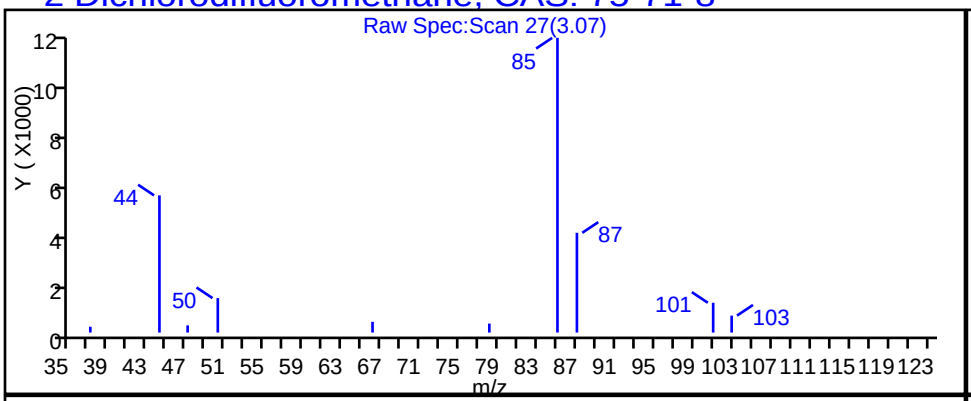
Report Date: 06-Aug-2014 14:40:49 Chrom Revision: 2.2 24-Jun-2014 07:21:42

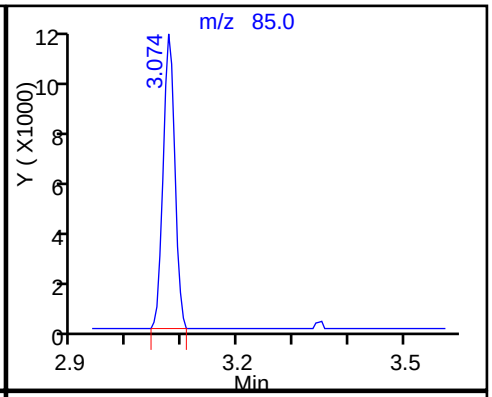
TestAmerica Burlington

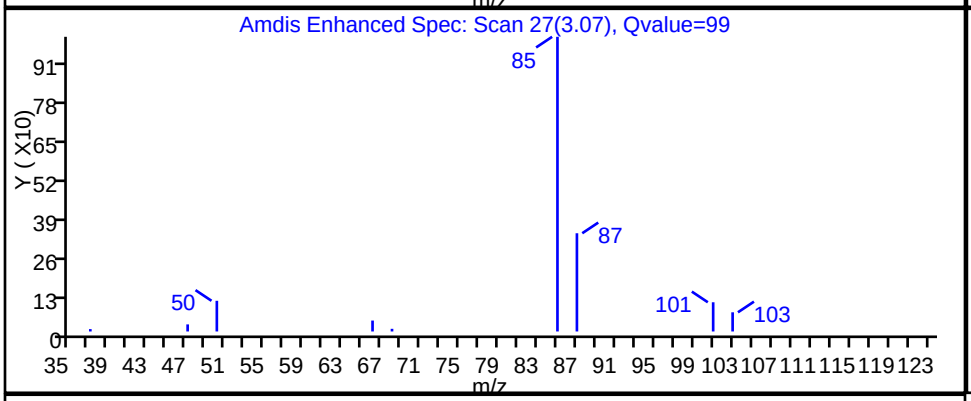
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140805-8862.b\8862_009.D

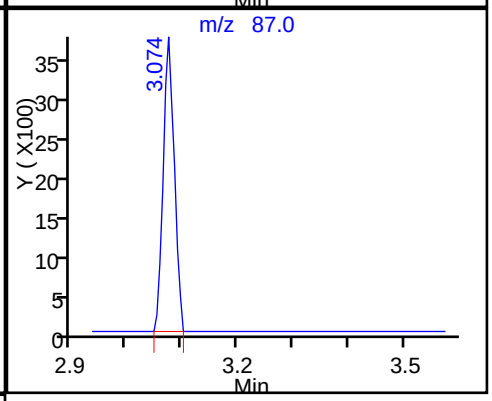
Injection Date:	05-Aug-2014 16:39:30	Instrument ID:	CHC.i		
Lims ID:	280-58004-A-10	Lab Sample ID:	200-58004-10		
Client ID:	785VMP0202MC				
Operator ID:	wrd	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

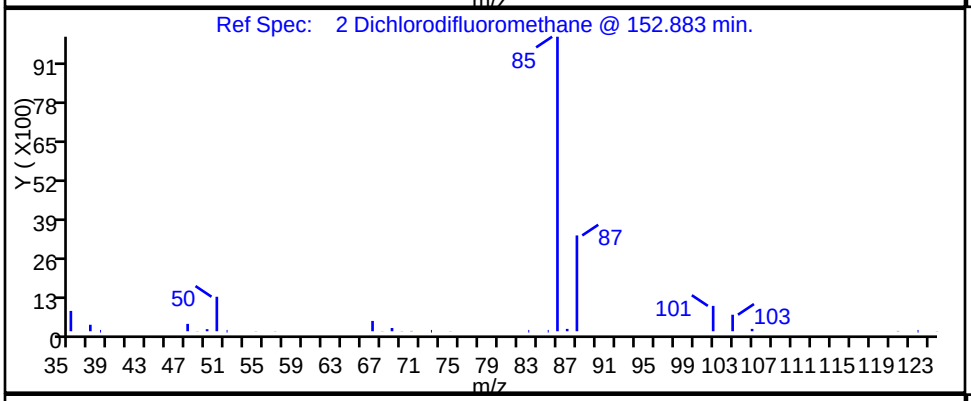
2 Dichlorodifluoromethane, CAS: 75-71-8

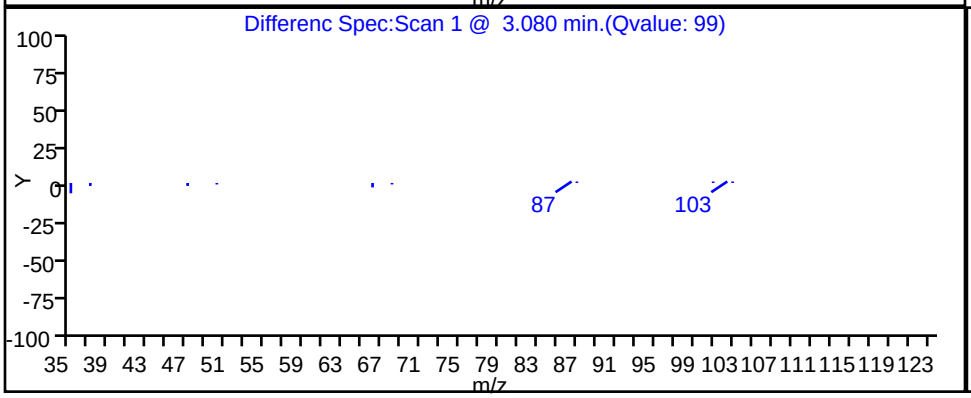


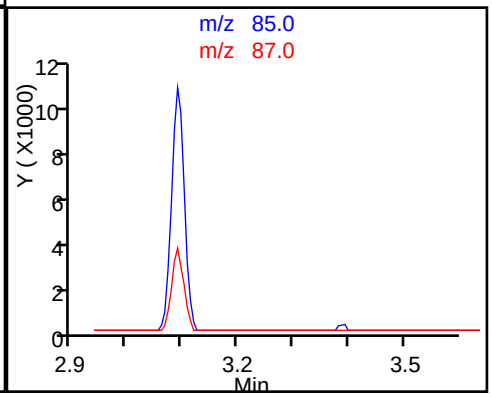












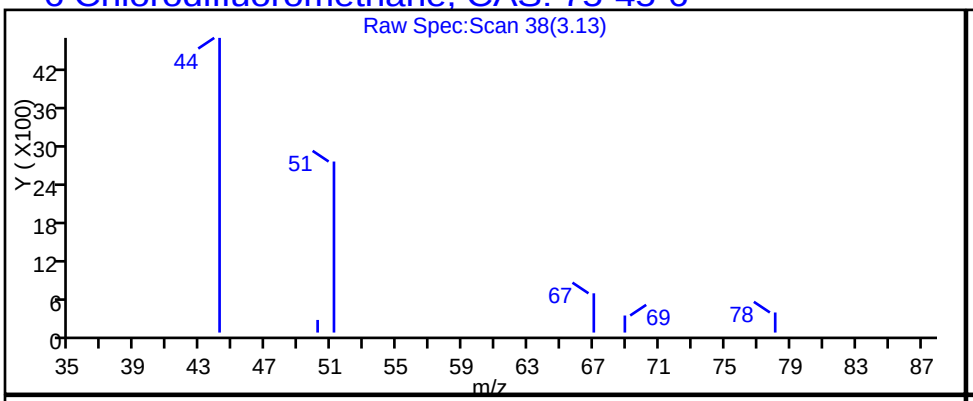
Report Date: 06-Aug-2014 14:40:49 Chrom Revision: 2.2 24-Jun-2014 07:21:42

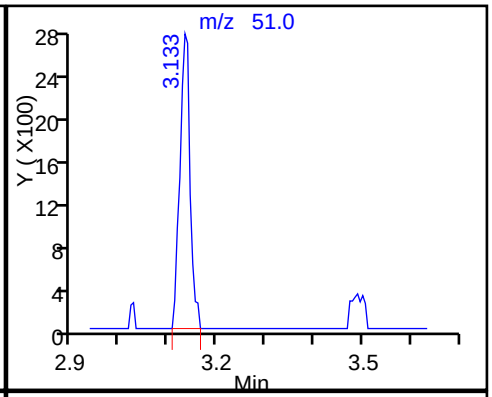
TestAmerica Burlington

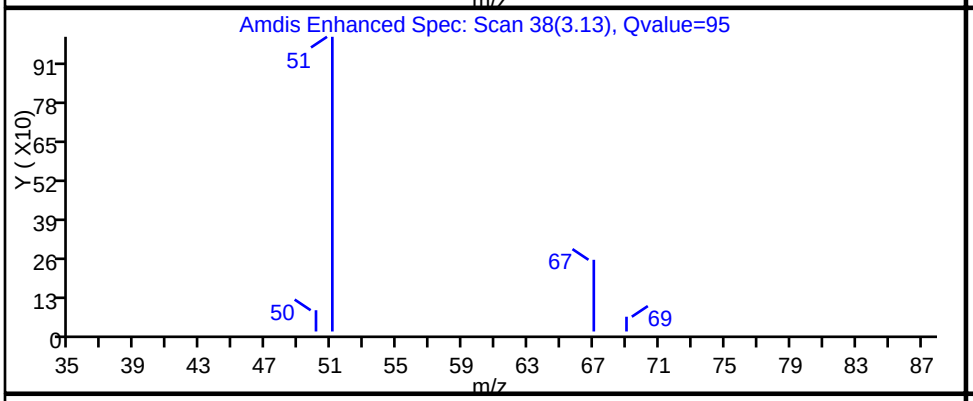
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140805-8862.b\8862_009.D

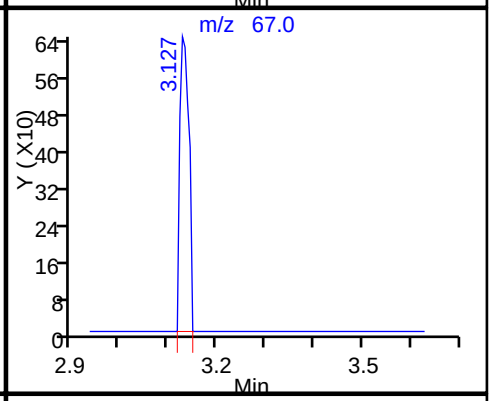
Injection Date:	05-Aug-2014 16:39:30	Instrument ID:	CHC.i		
Lims ID:	280-58004-A-10	Lab Sample ID:	200-58004-10		
Client ID:	785VMP0202MC				
Operator ID:	wrd	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

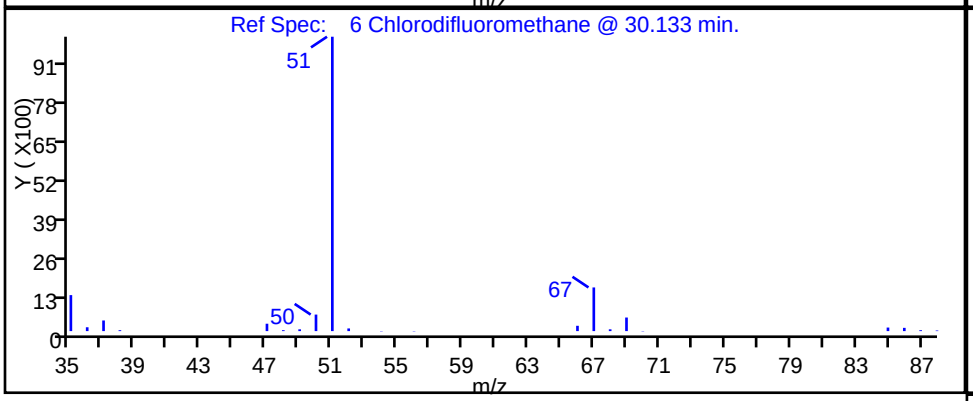
6 Chlorodifluoromethane, CAS: 75-45-6

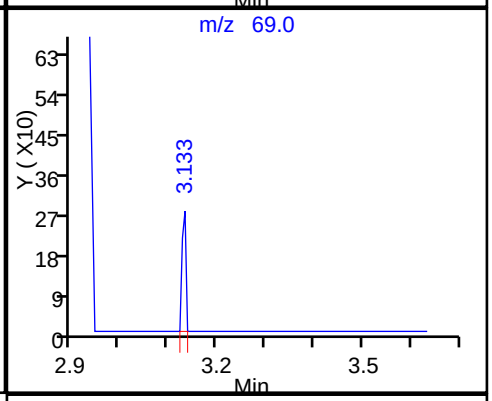


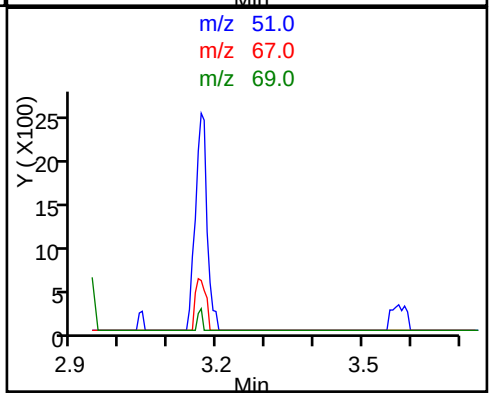










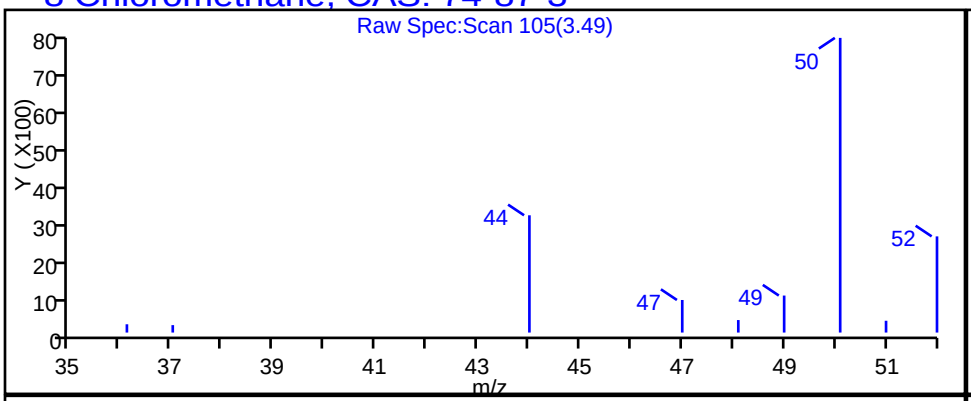


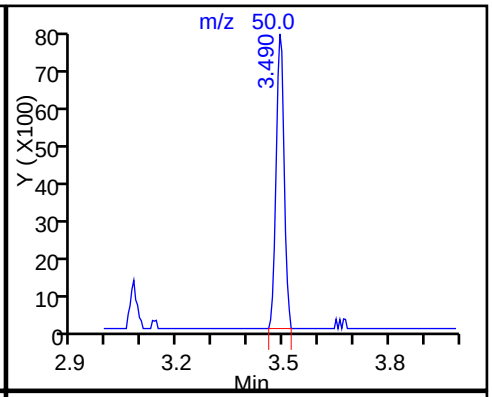
TestAmerica Burlington

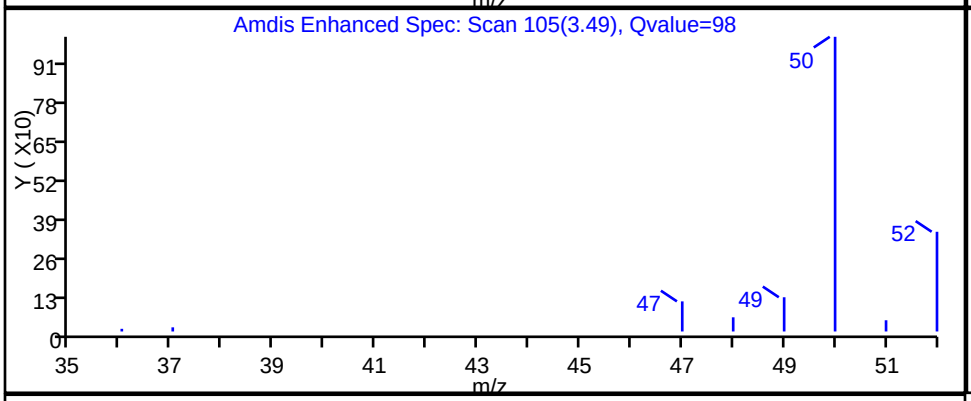
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140805-8862.b\8862_009.D

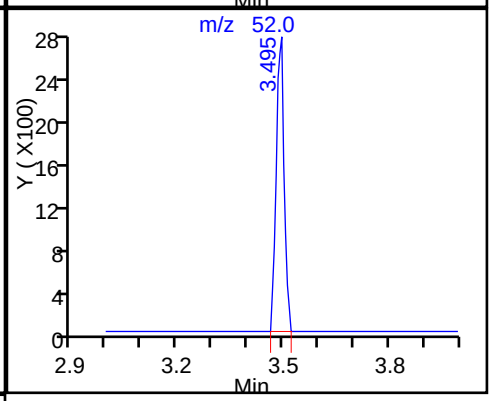
Injection Date:	05-Aug-2014 16:39:30	Instrument ID:	CHC.i		
Lims ID:	280-58004-A-10	Lab Sample ID:	200-58004-10		
Client ID:	785VMP0202MC				
Operator ID:	wrd	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

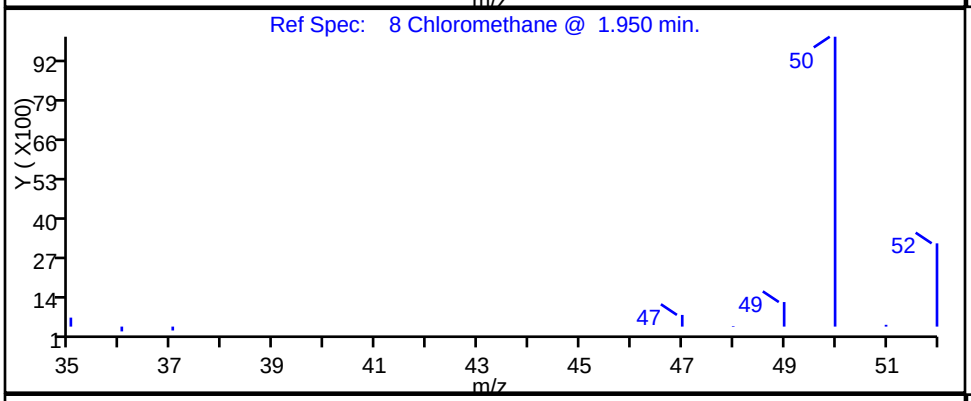
8 Chloromethane, CAS: 74-87-3

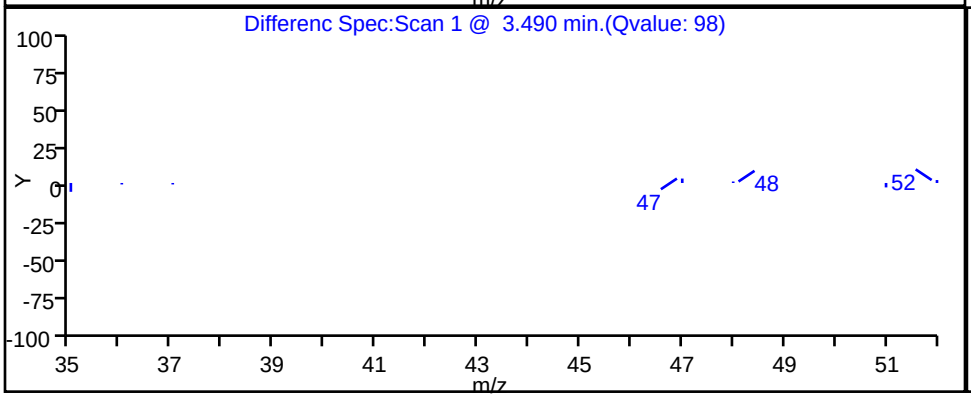


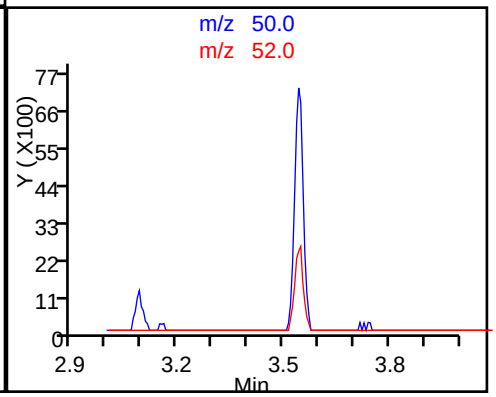












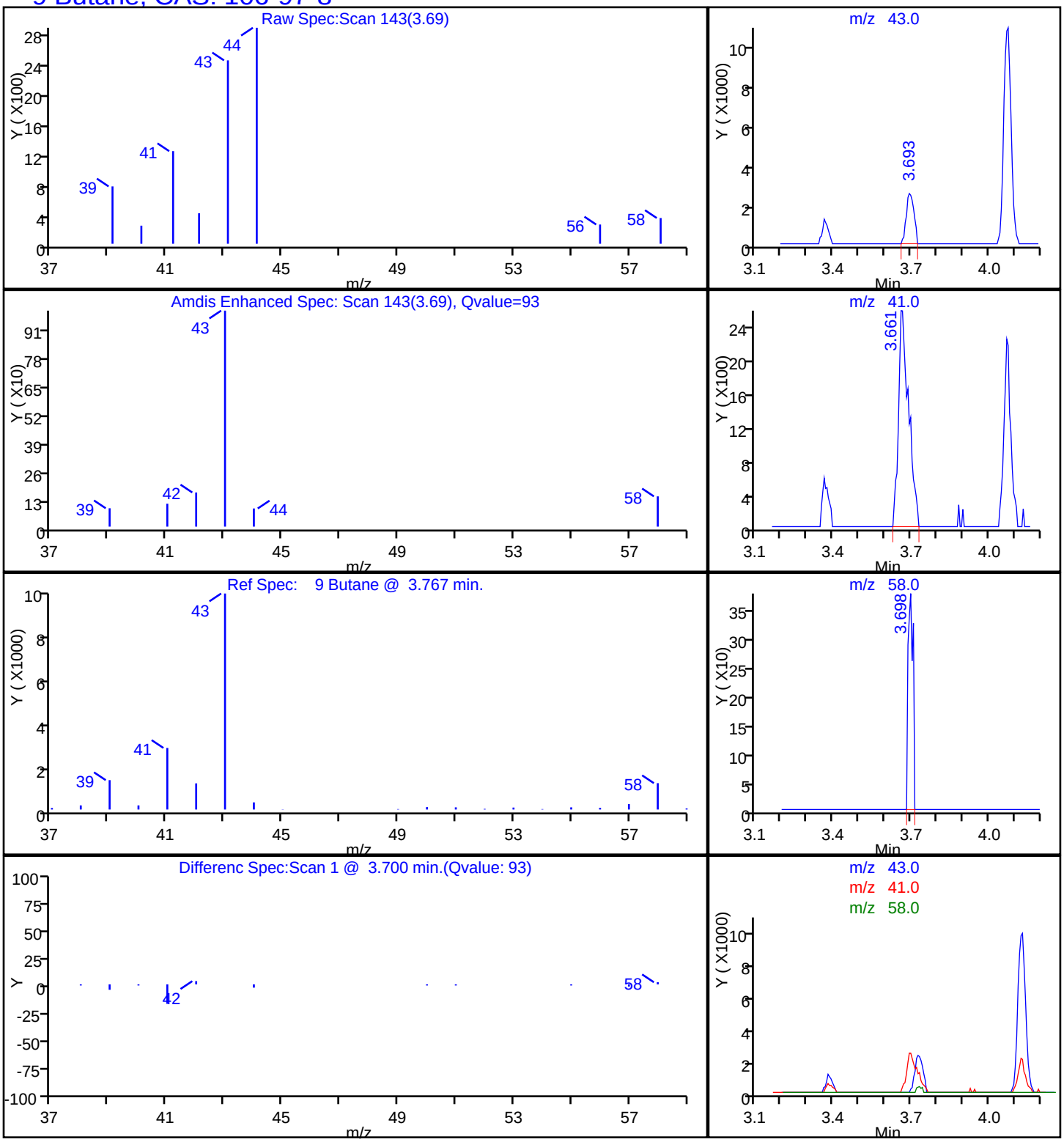
Report Date: 06-Aug-2014 14:40:49 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140805-8862.b\8862_009.D

Injection Date:	05-Aug-2014 16:39:30	Instrument ID:	CHC.i		
Lims ID:	280-58004-A-10	Lab Sample ID:	200-58004-10		
Client ID:	785VMP0202MC				
Operator ID:	wrd	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

9 Butane, CAS: 106-97-8



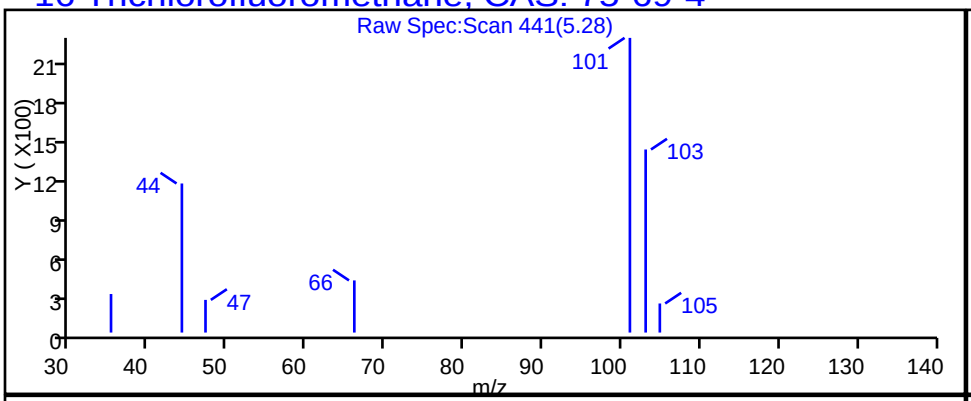
Report Date: 06-Aug-2014 14:40:49 Chrom Revision: 2.2 24-Jun-2014 07:21:42

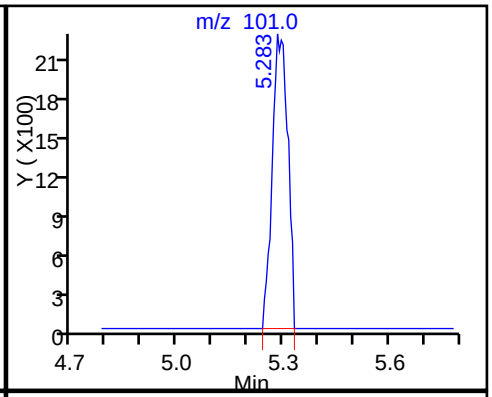
TestAmerica Burlington

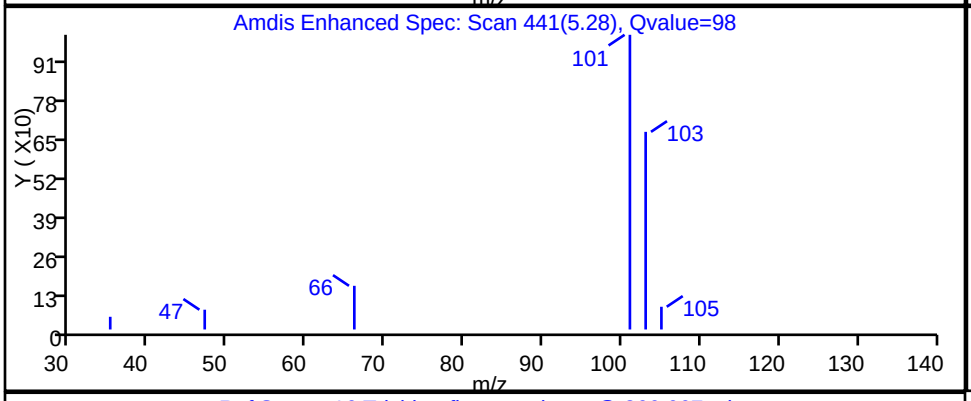
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140805-8862.b\8862_009.D

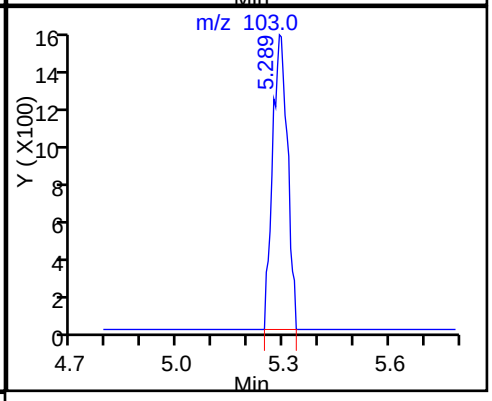
Injection Date:	05-Aug-2014 16:39:30	Instrument ID:	CHC.i		
Lims ID:	280-58004-A-10	Lab Sample ID:	200-58004-10		
Client ID:	785VMP0202MC				
Operator ID:	wrd	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

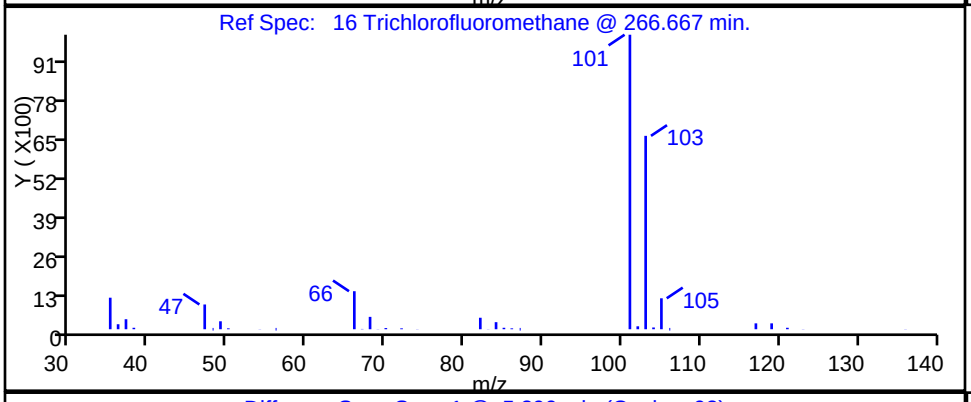
16 Trichlorofluoromethane, CAS: 75-69-4

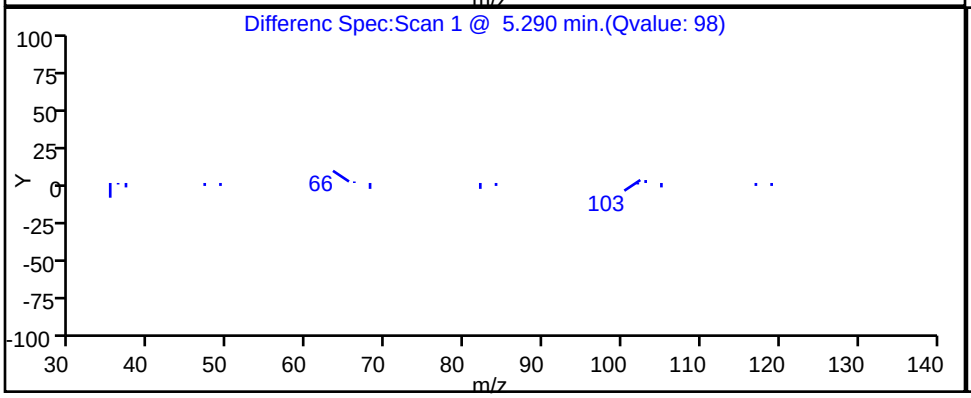


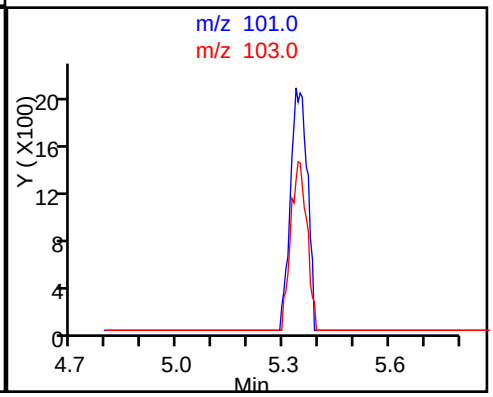












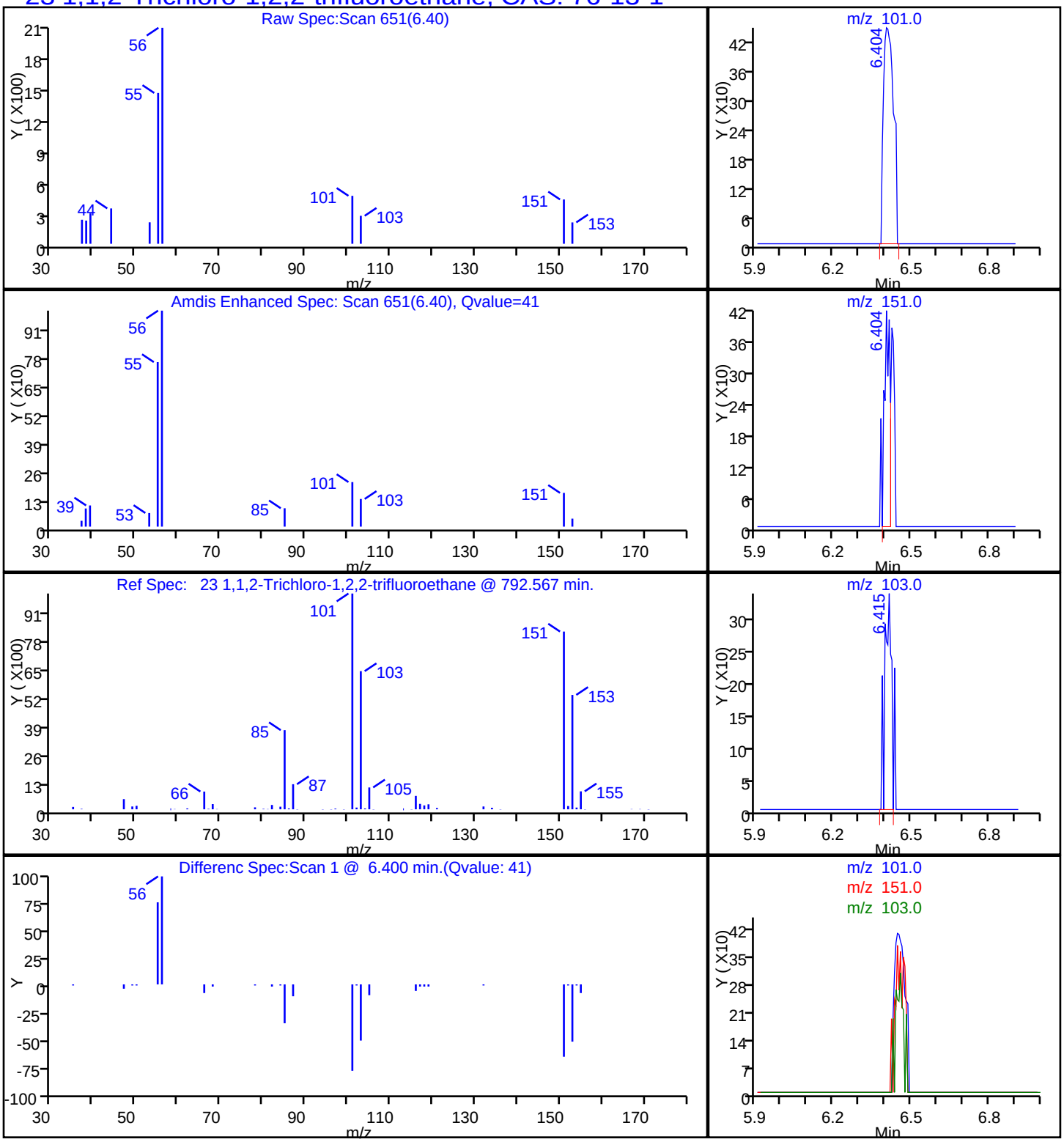
Report Date: 06-Aug-2014 14:40:49 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140805-8862.b\8862_009.D

Injection Date:	05-Aug-2014 16:39:30	Instrument ID:	CHC.i		
Lims ID:	280-58004-A-10	Lab Sample ID:	200-58004-10		
Client ID:	785VMP0202MC				
Operator ID:	wrd	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	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

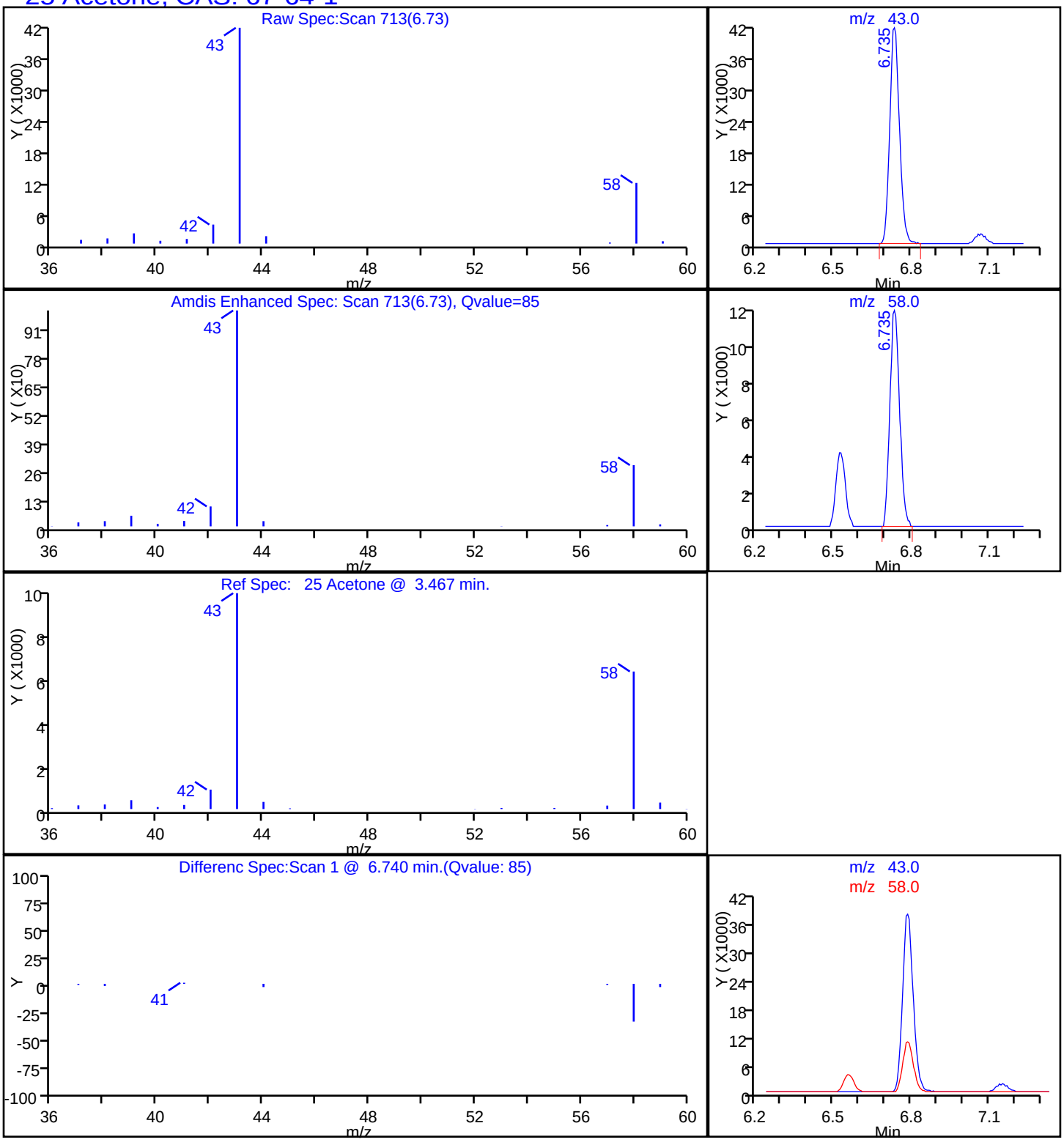


TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140805-8862.b\8862_009.D

Injection Date:	05-Aug-2014 16:39:30	Instrument ID:	CHC.i		
Lims ID:	280-58004-A-10	Lab Sample ID:	200-58004-10		
Client ID:	785VMP0202MC				
Operator ID:	wrd	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

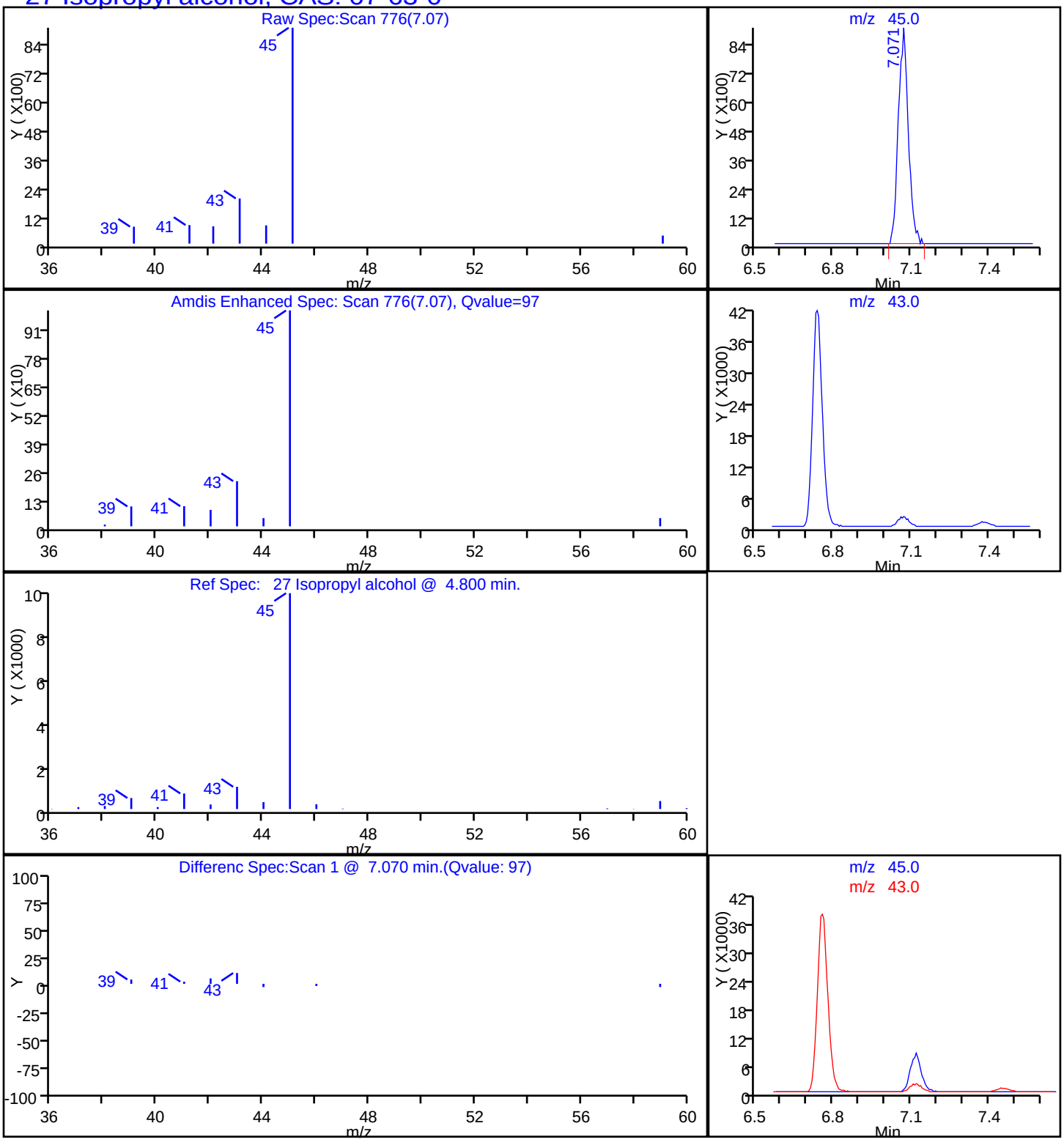
25 Acetone, CAS: 67-64-1



TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140805-8862.b\8862_009.D				
Injection Date:	05-Aug-2014 16:39:30	Instrument ID:	CHC.i		
Lims ID:	280-58004-A-10	Lab Sample ID:	200-58004-10		
Client ID:	785VMP0202MC				
Operator ID:	wrd	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

27 Isopropyl alcohol, CAS: 67-63-0



Report Date: 06-Aug-2014 14:40:49 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

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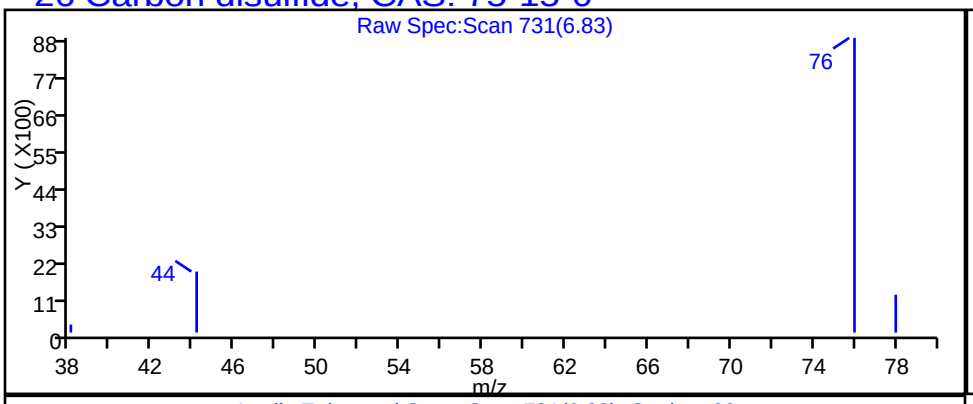
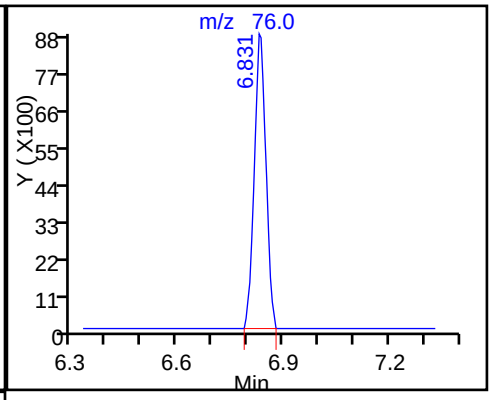
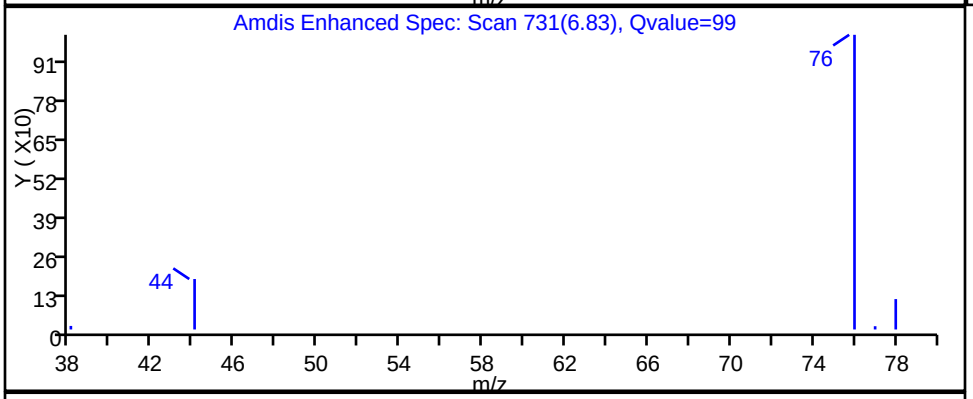
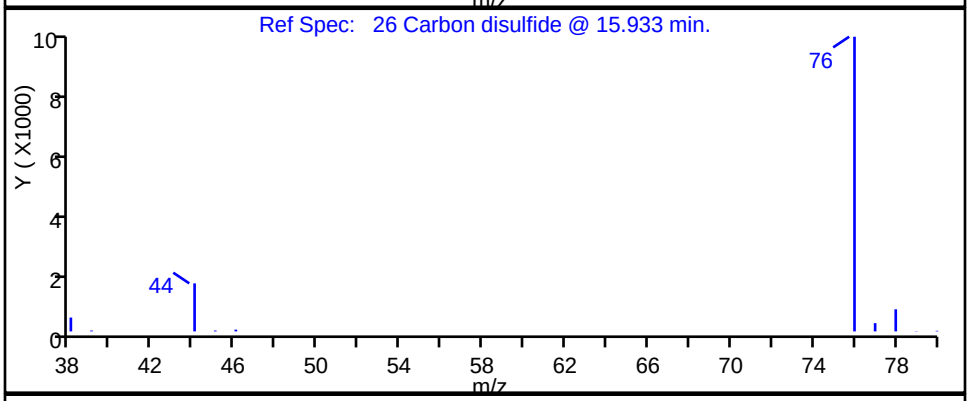
Injection Date:	05-Aug-2014 16:39:30	Instrument ID:	CHC.i		
Lims ID:	280-58004-A-10	Lab Sample ID:	200-58004-10		
Client ID:	785VMP0202MC				
Operator ID:	wrd	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

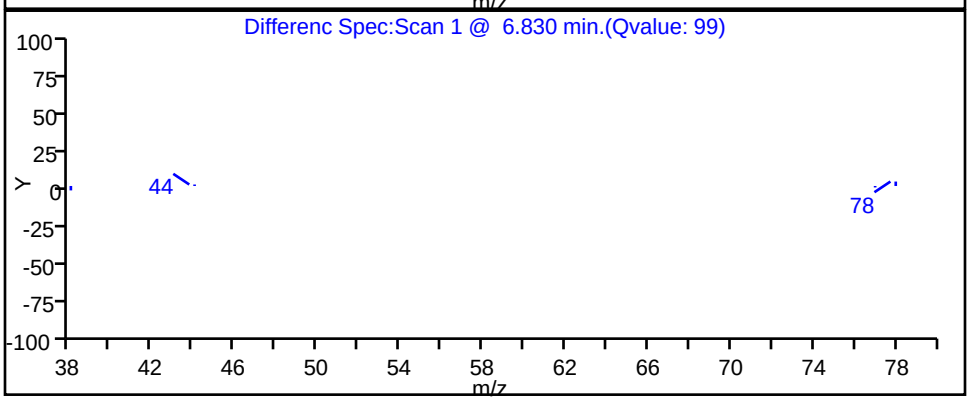
26 Carbon disulfide, CAS: 75-15-0











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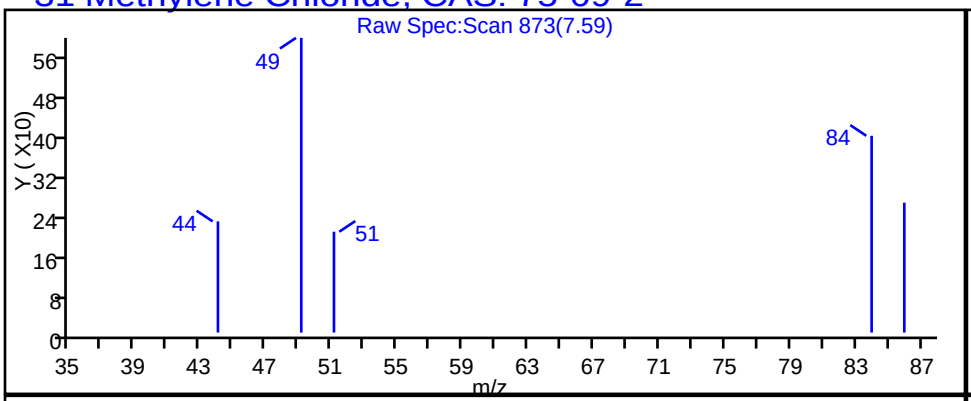
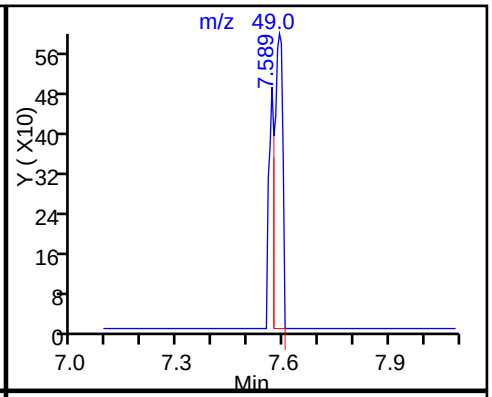
TestAmerica Burlington

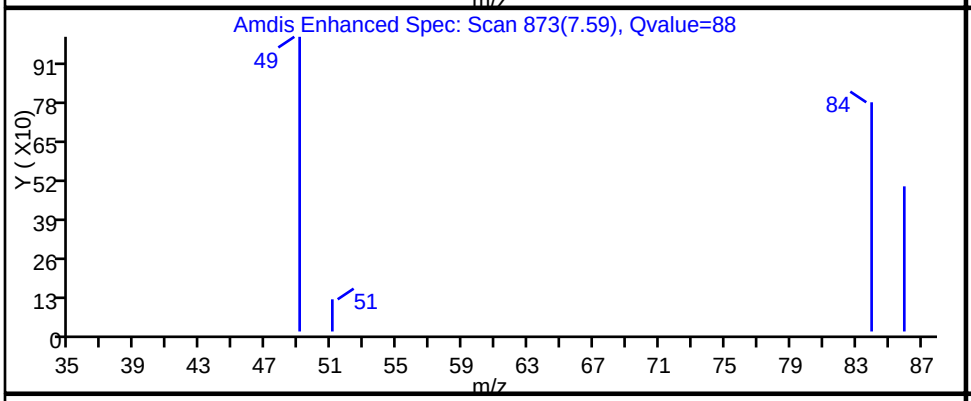
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140805-8862.b\8862_009.D

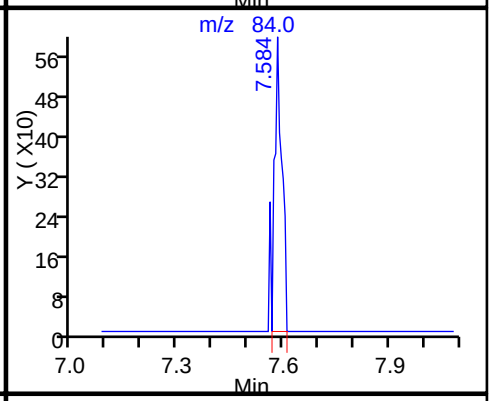
Injection Date:	05-Aug-2014 16:39:30	Instrument ID:	CHC.i		
Lims ID:	280-58004-A-10	Lab Sample ID:	200-58004-10		
Client ID:	785VMP0202MC				
Operator ID:	wrd	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

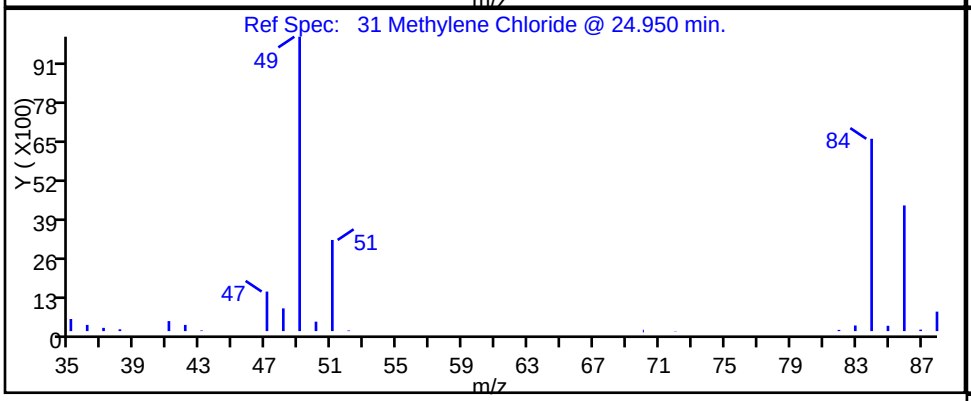
31 Methylene Chloride, CAS: 75-09-2

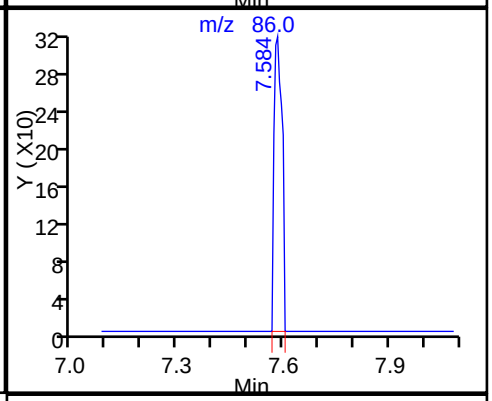


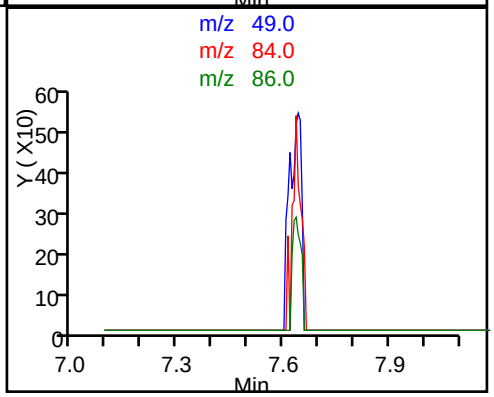












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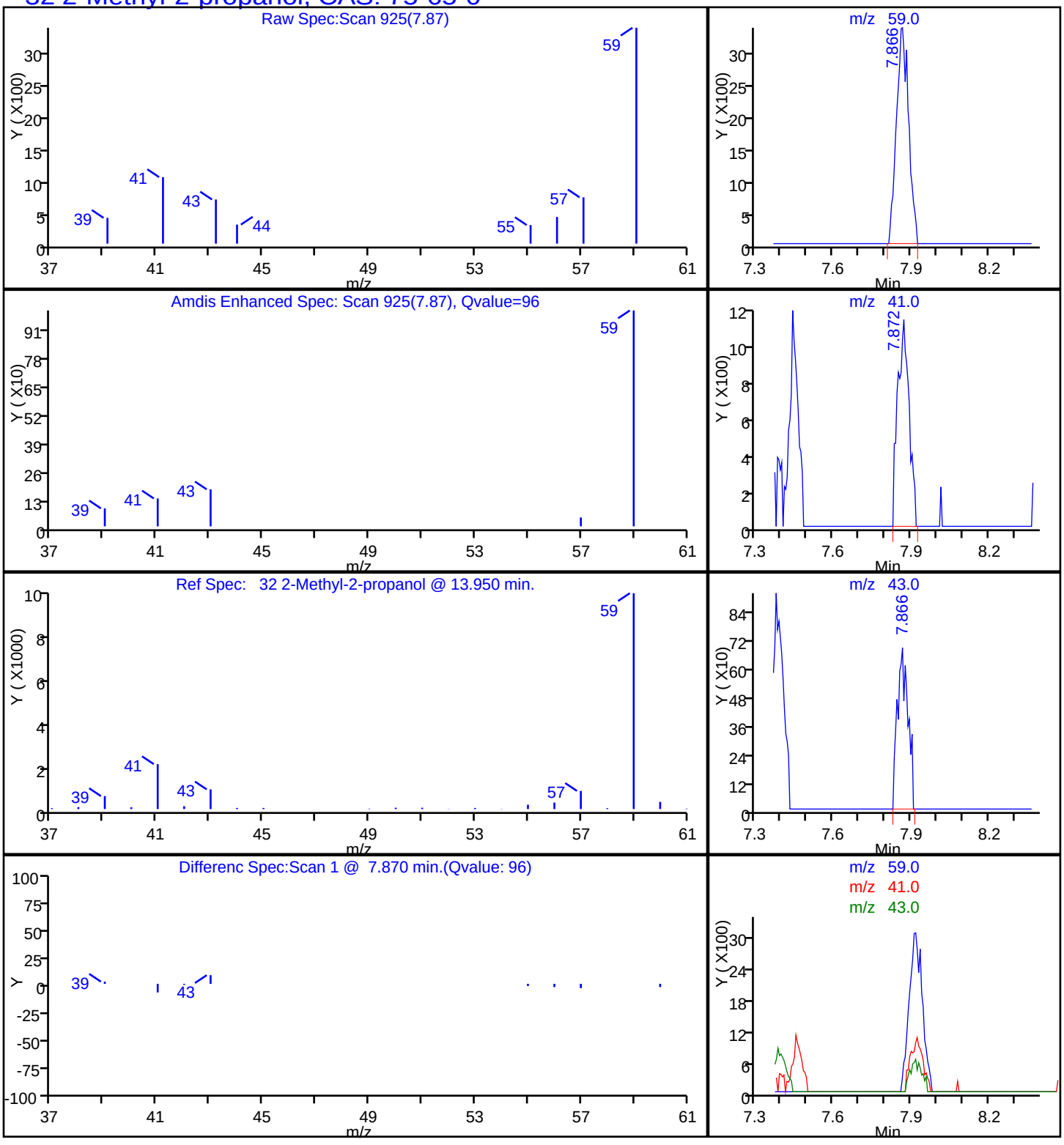
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140805-8862.b\8862_009.D

Injection Date:	05-Aug-2014 16:39:30	Instrument ID:	CHC.i		
Lims ID:	280-58004-A-10	Lab Sample ID:	200-58004-10		
Client ID:	785VMP0202MC				
Operator ID:	wrd	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

32 2-Methyl-2-propanol, CAS: 75-65-0



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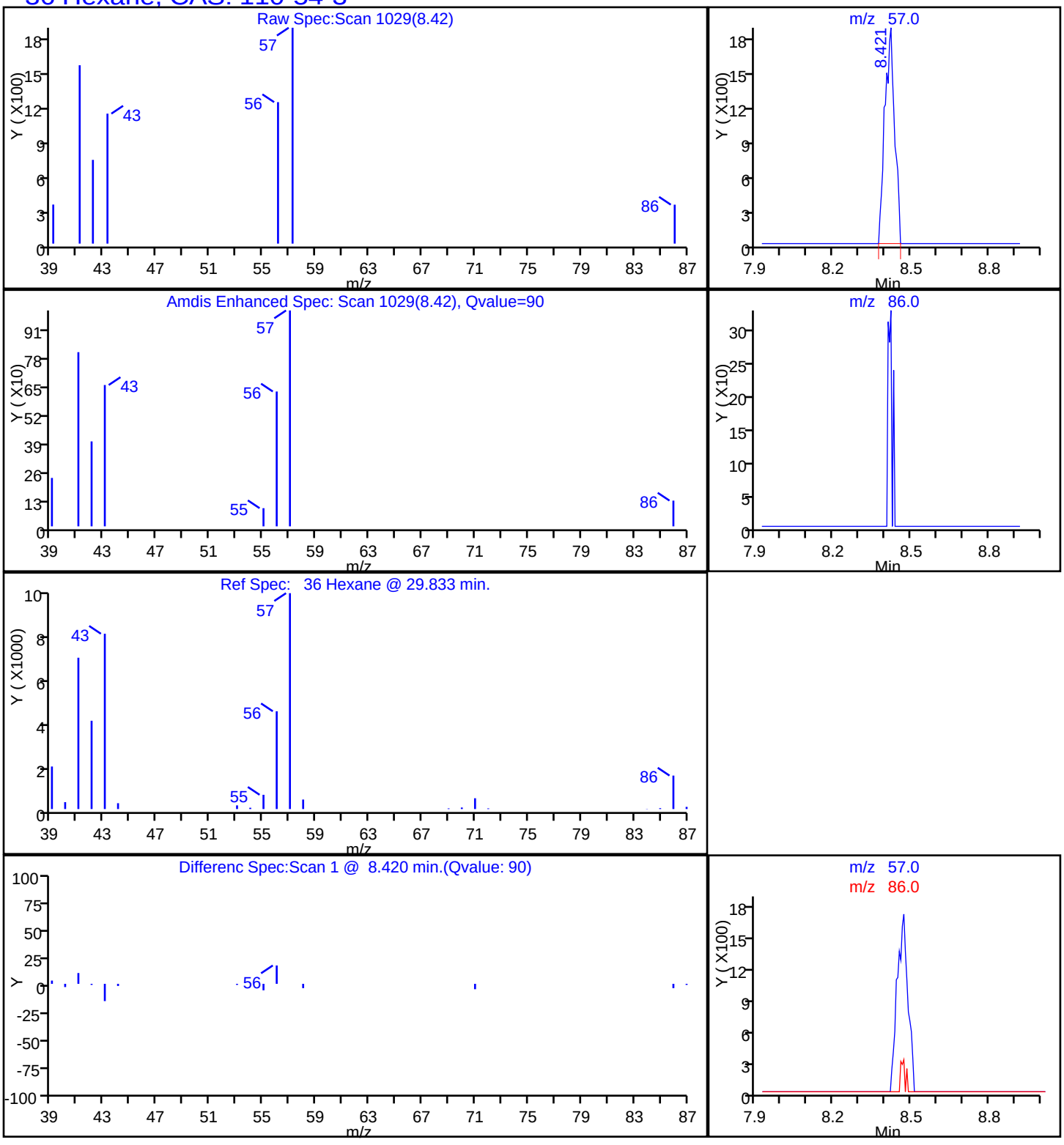
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140805-8862.b\8862_009.D

Injection Date:	05-Aug-2014 16:39:30	Instrument ID:	CHC.i		
Lims ID:	280-58004-A-10	Lab Sample ID:	200-58004-10		
Client ID:	785VMP0202MC				
Operator ID:	wrd	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

36 Hexane, CAS: 110-54-3



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Injection Date:	05-Aug-2014 16:39:30	Instrument ID:	CHC.i		
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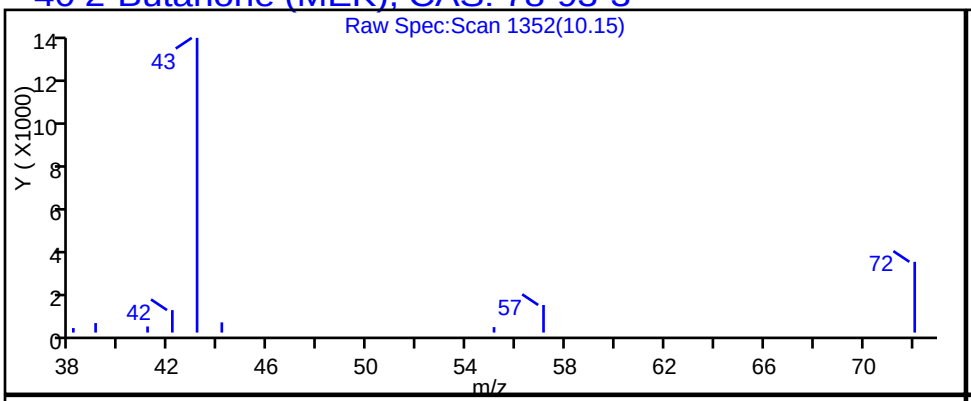
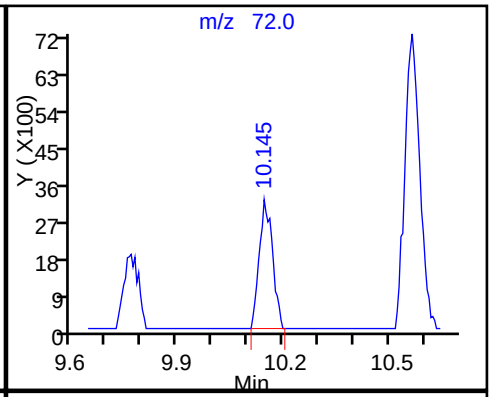
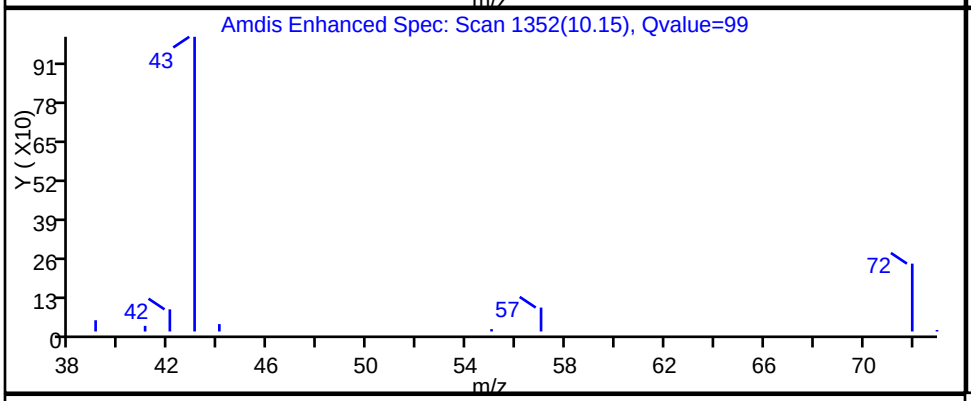
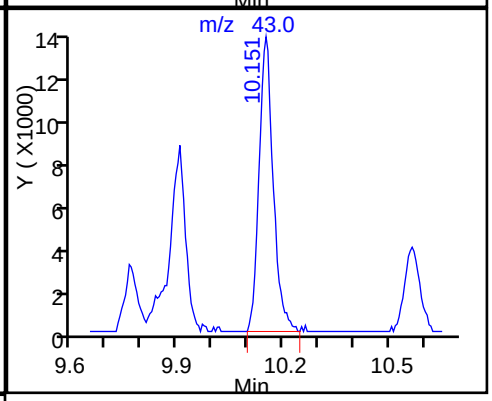
Client ID:	785VMP0202MC				
Operator ID:	wrd	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

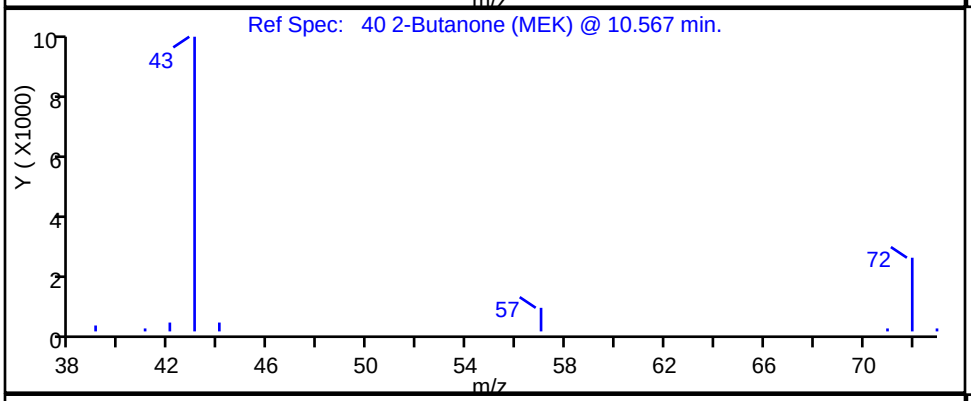
40 2-Butanone (MEK), CAS: 78-93-3

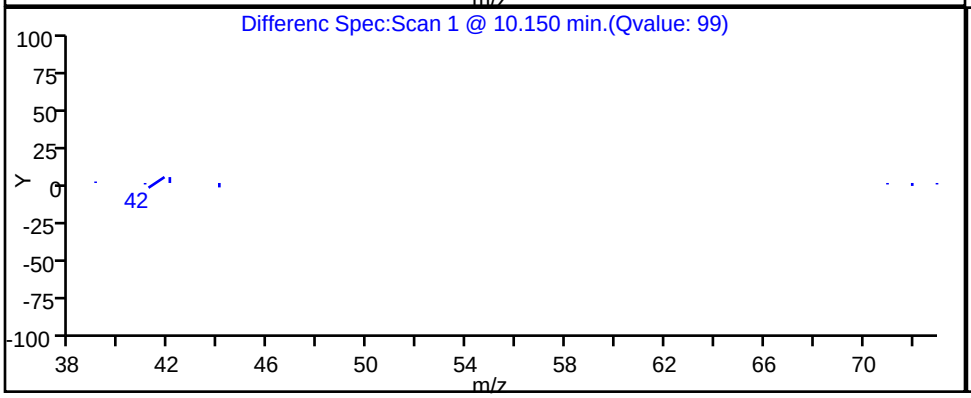


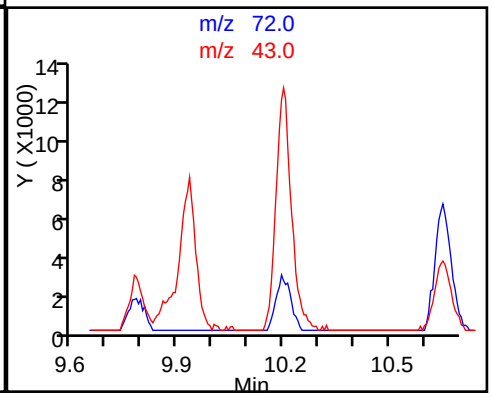












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Injection Date:	05-Aug-2014 16:39:30	Instrument ID:	CHC.i		
Lims ID:	280-58004-A-10	Lab Sample ID:	200-58004-10		
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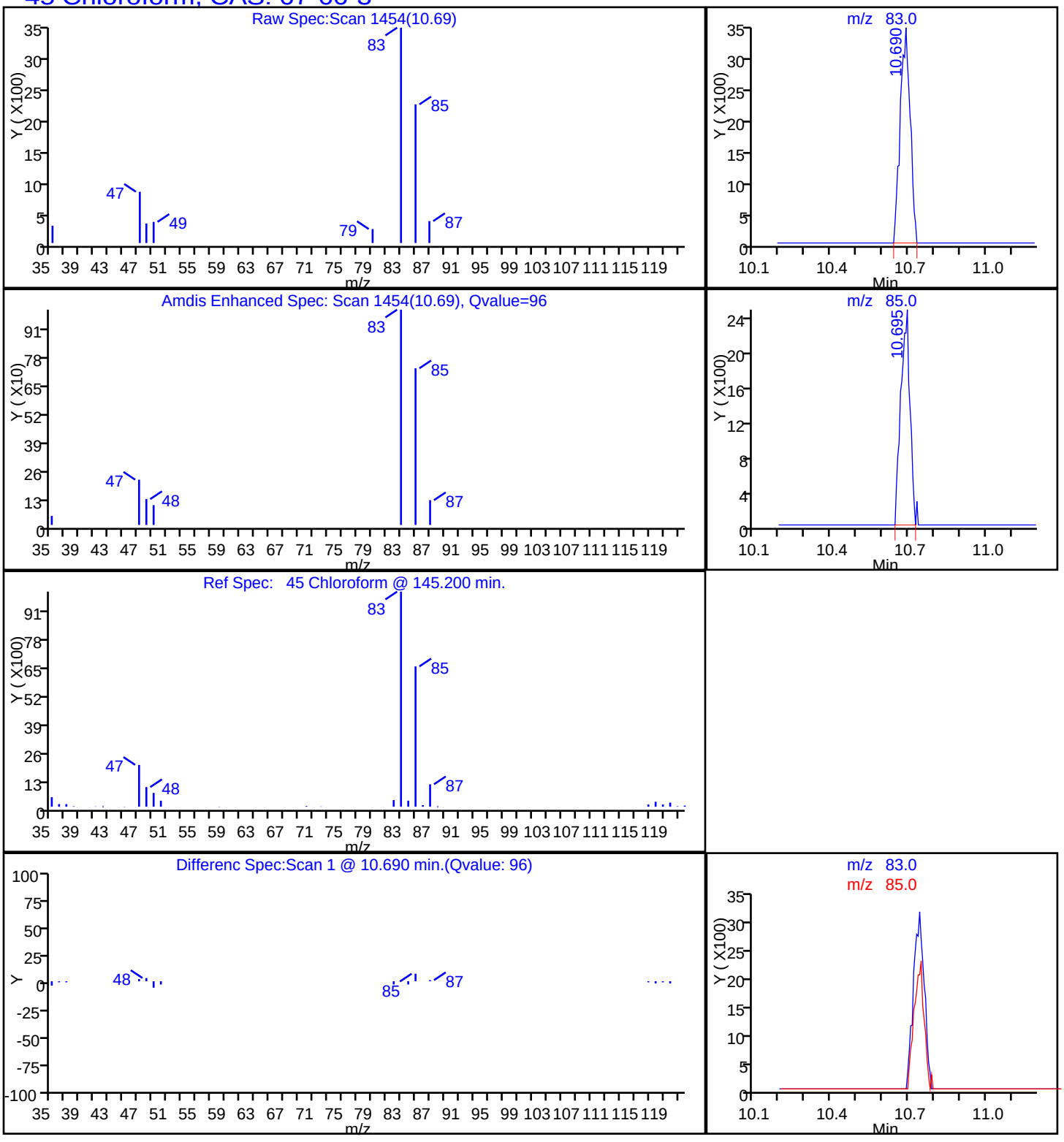
Operator ID:	wrd	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

45 Chloroform, CAS: 67-66-3



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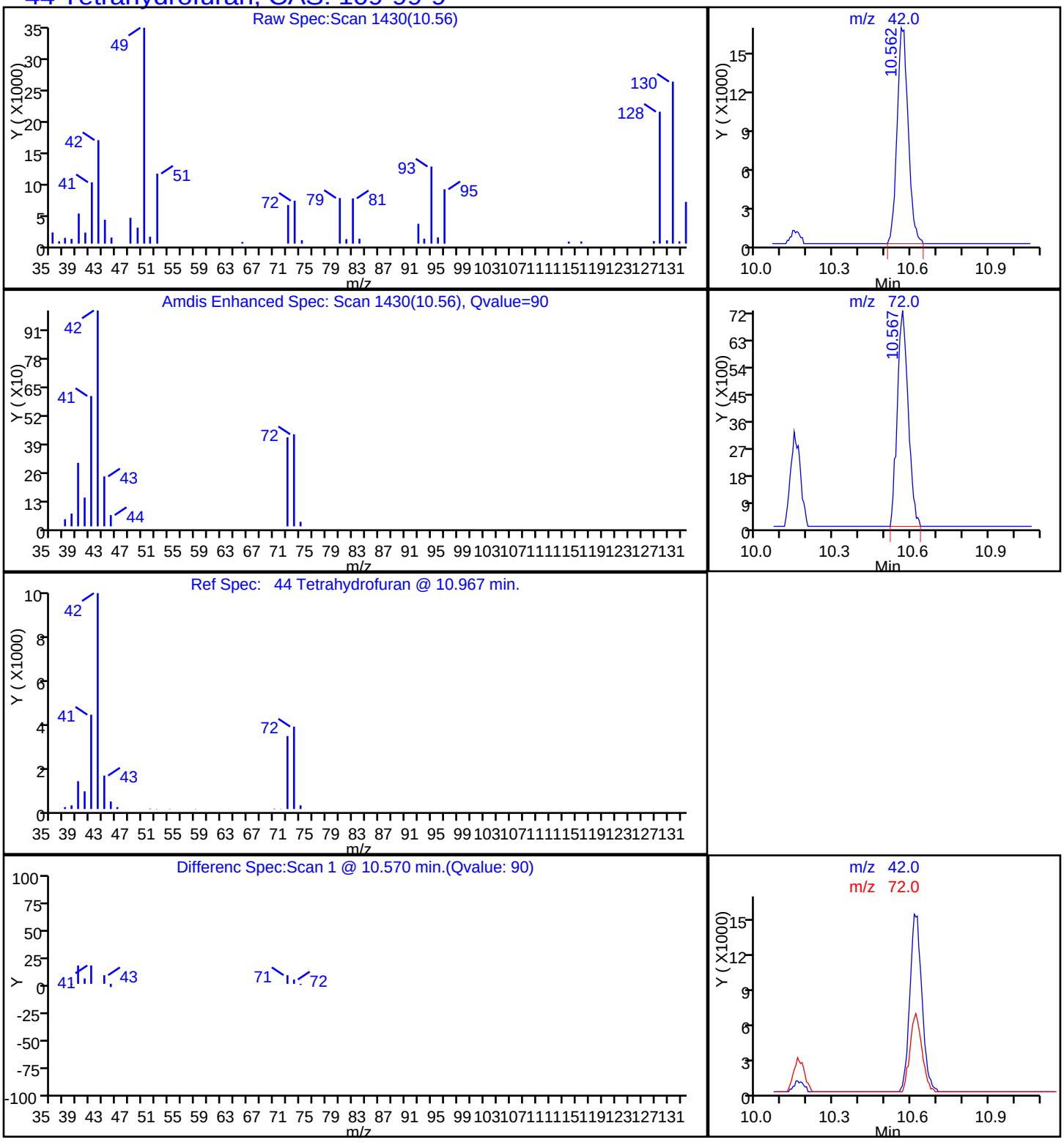
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

44 Tetrahydrofuran, CAS: 109-99-9



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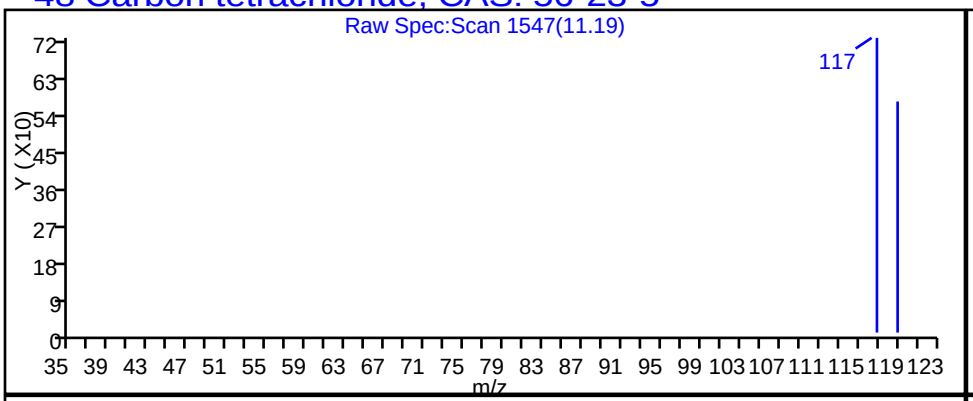
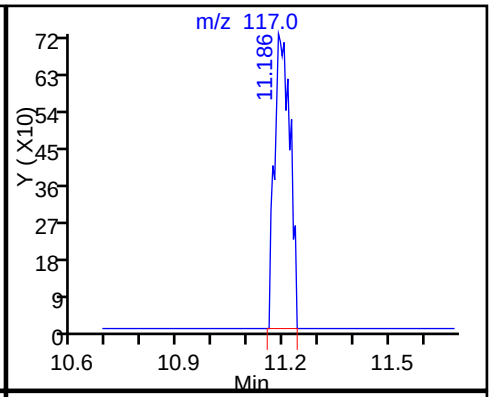
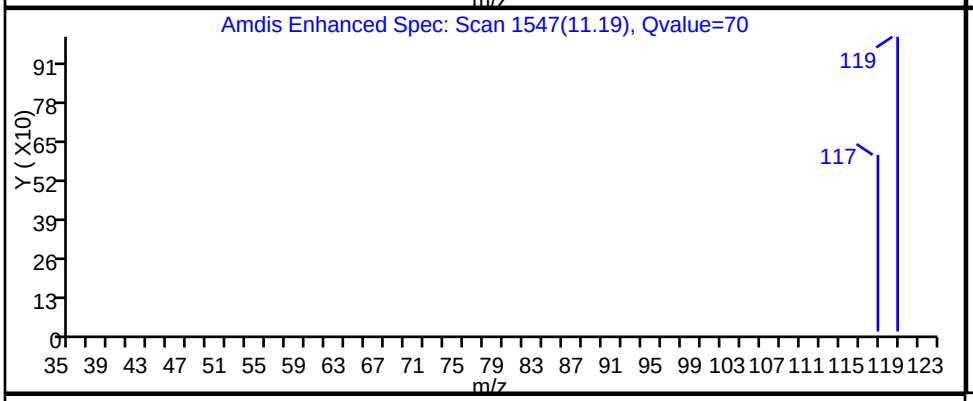
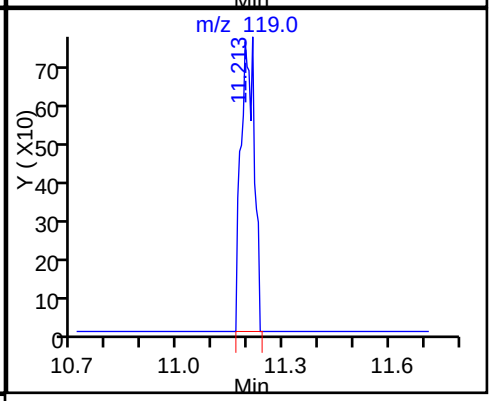
Client ID:	785VMP0202MC				
Operator ID:	wrd	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

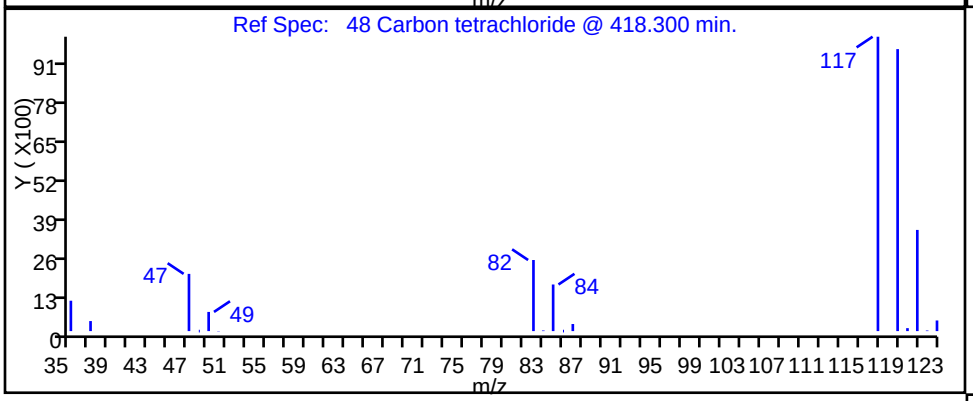
48 Carbon tetrachloride, CAS: 56-23-5

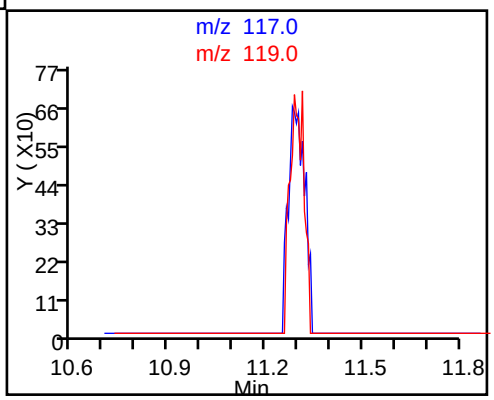












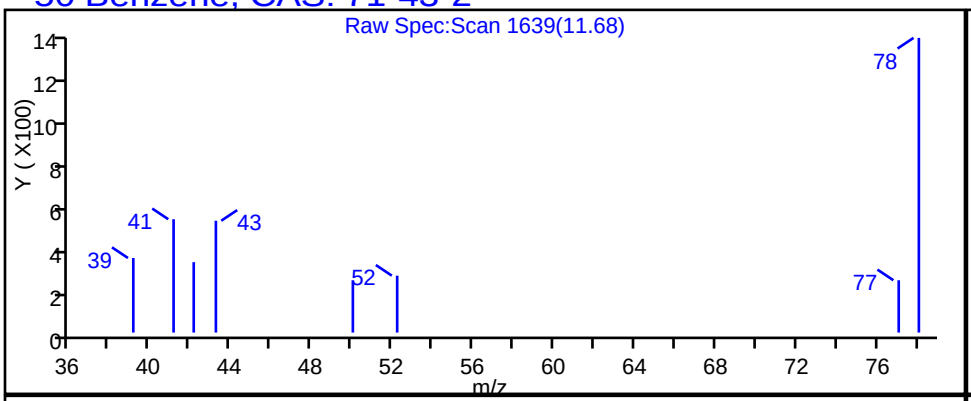
Report Date: 06-Aug-2014 14:40:50 Chrom Revision: 2.2 24-Jun-2014 07:21:42

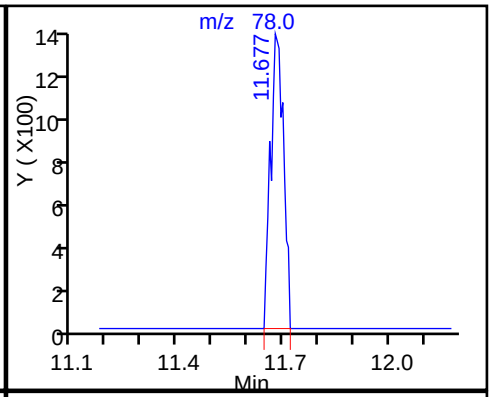
TestAmerica Burlington

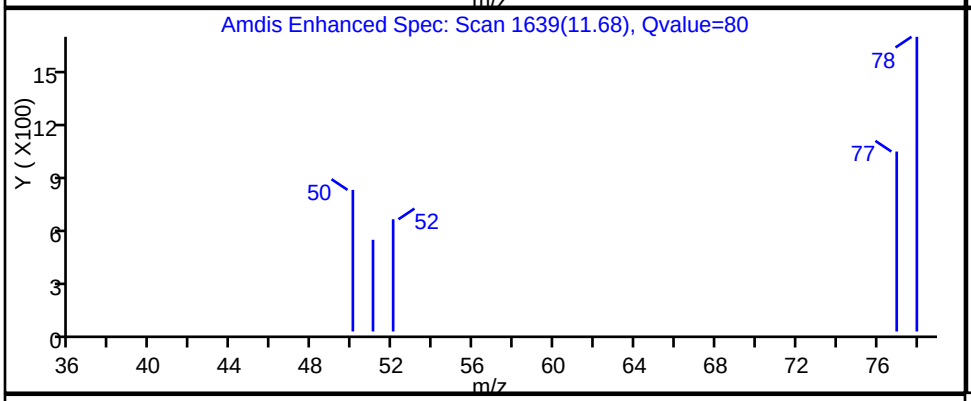
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140805-8862.b\8862_009.D

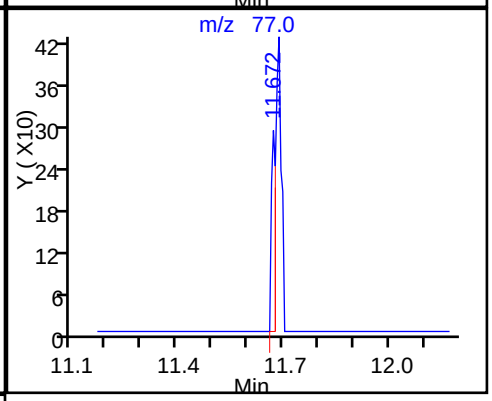
Injection Date:	05-Aug-2014 16:39:30	Instrument ID:	CHC.i		
Lims ID:	280-58004-A-10	Lab Sample ID:	200-58004-10		
Client ID:	785VMP0202MC				
Operator ID:	wrd	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

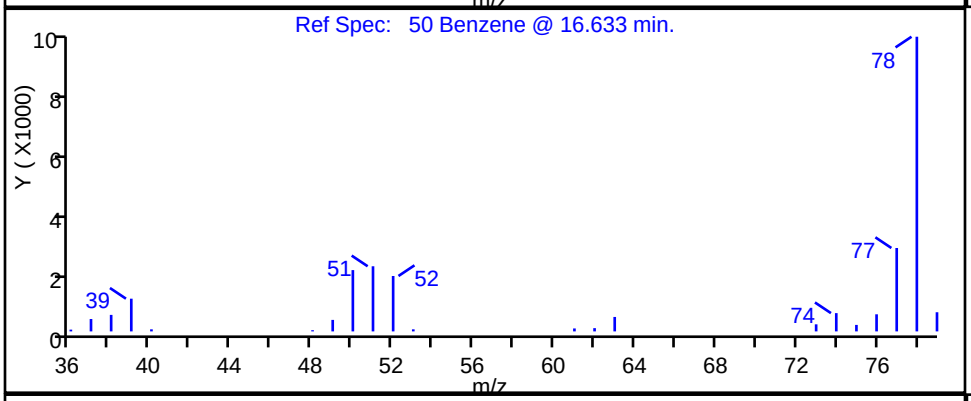
50 Benzene, CAS: 71-43-2

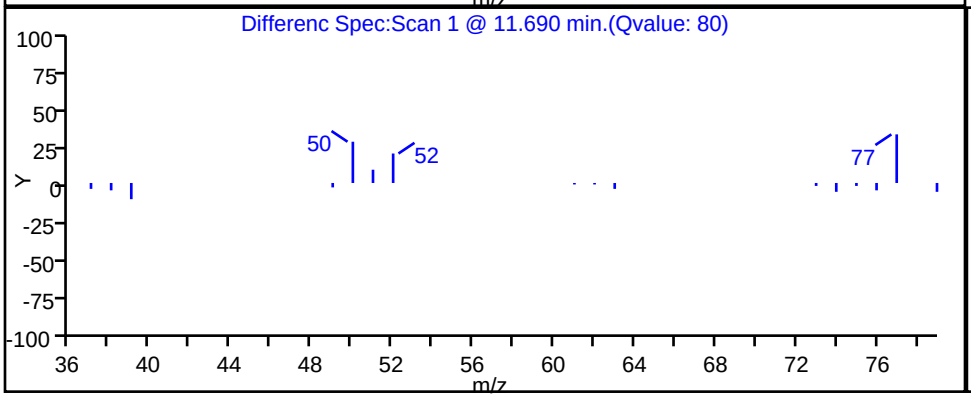


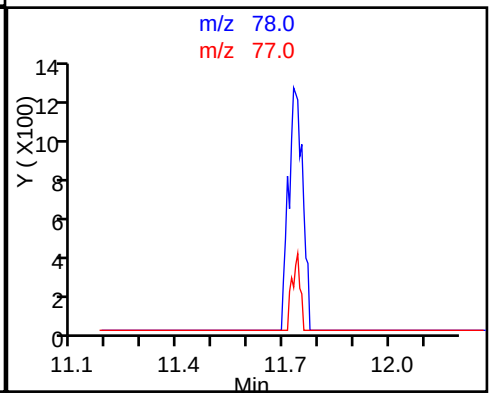












Report Date: 06-Aug-2014 14:40:50 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140805-8862.b\8862_009.D

Injection Date:	05-Aug-2014 16:39:30	Instrument ID:	CHC.i		
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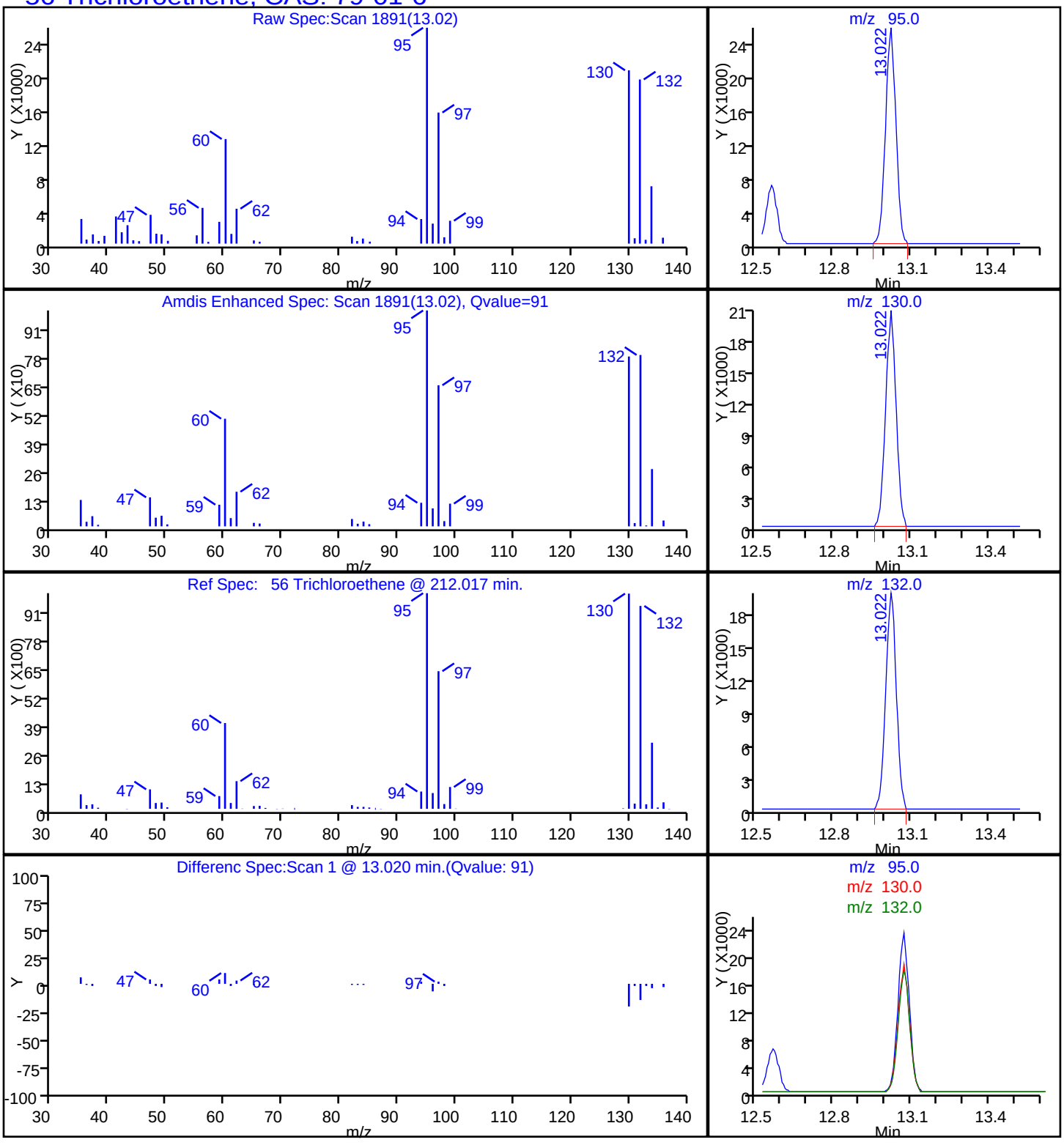
Client ID:	785VMP0202MC				
Operator ID:	wrd	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

56 Trichloroethene, CAS: 79-01-6



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Data File: \\BTV-LIMS1\ChromData\CHC.i\20140805-8862.b\8862_009.D

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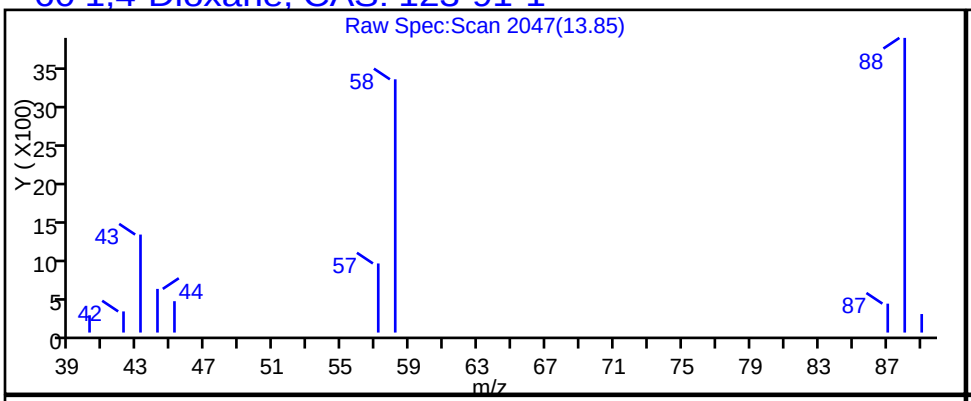
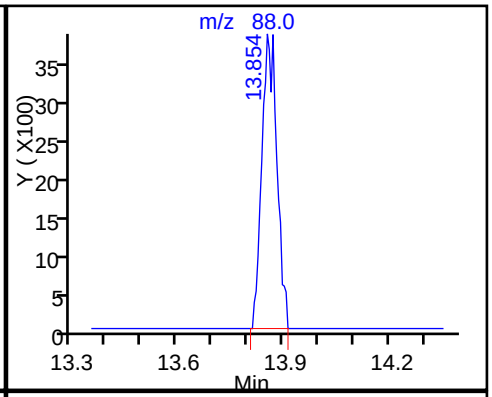
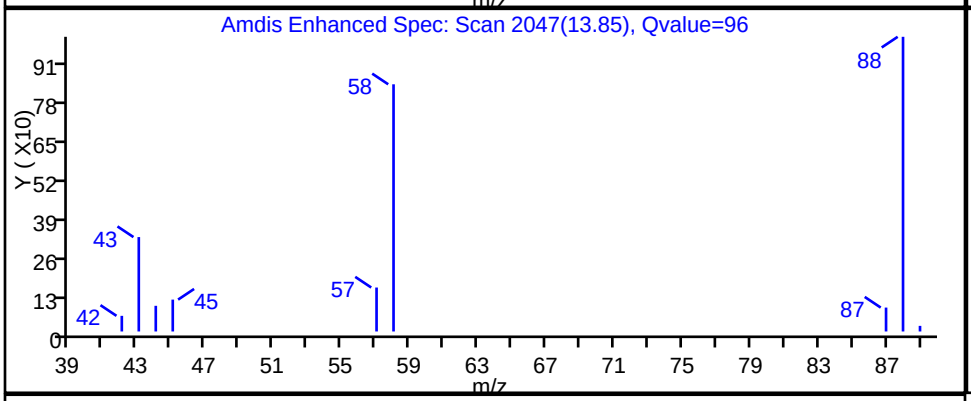
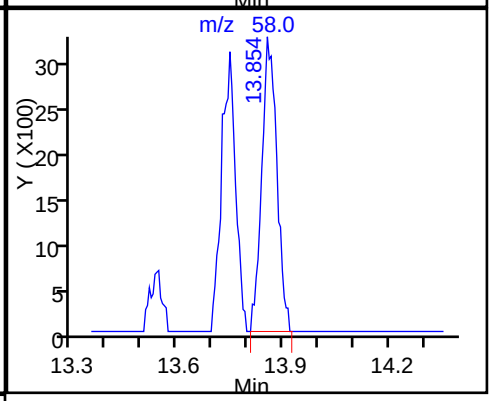
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

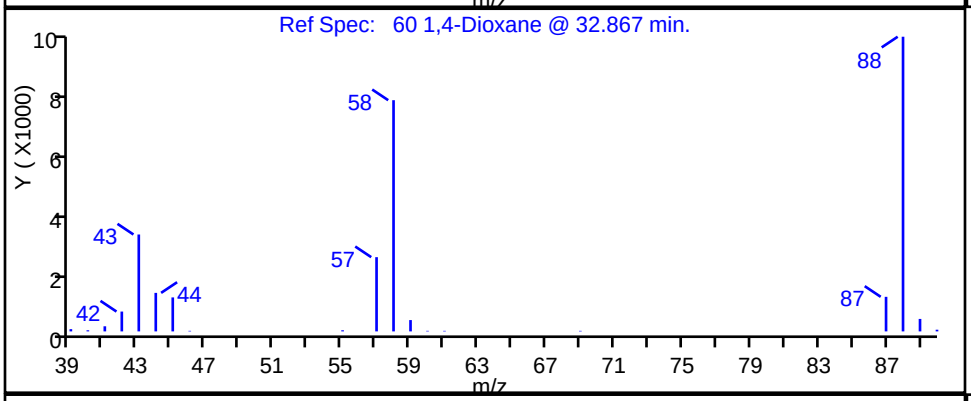
60 1,4-Dioxane, CAS: 123-91-1

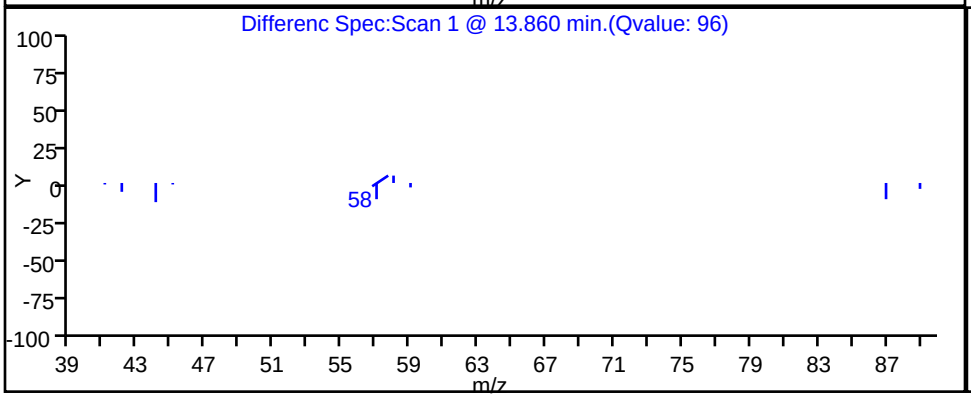


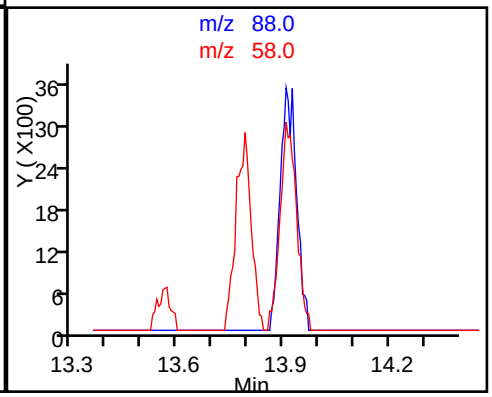












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TestAmerica Burlington

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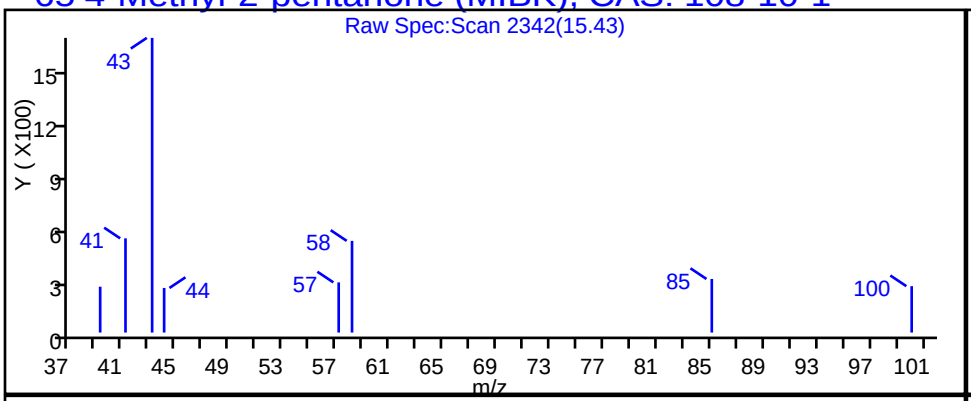
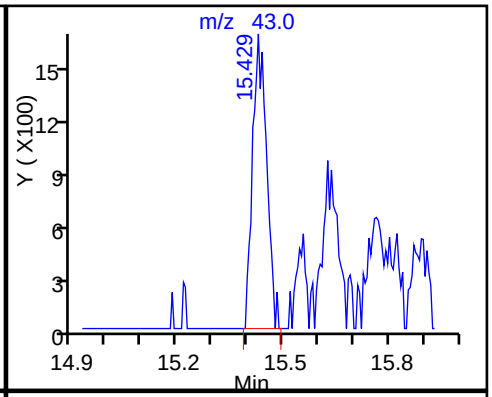
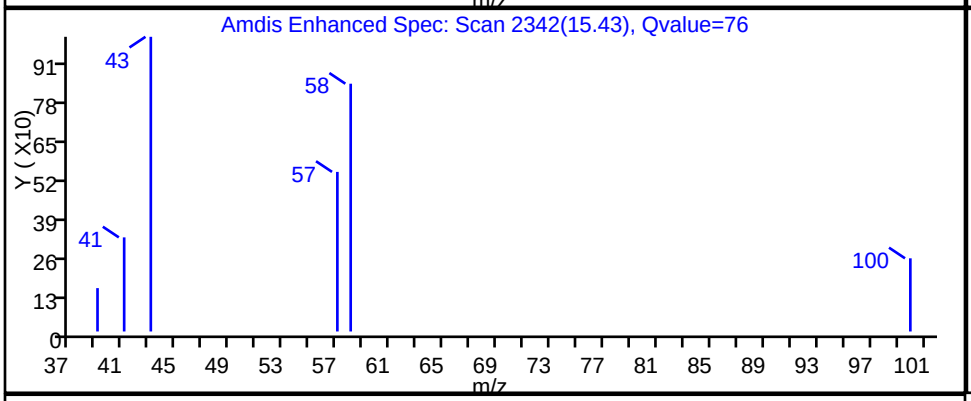
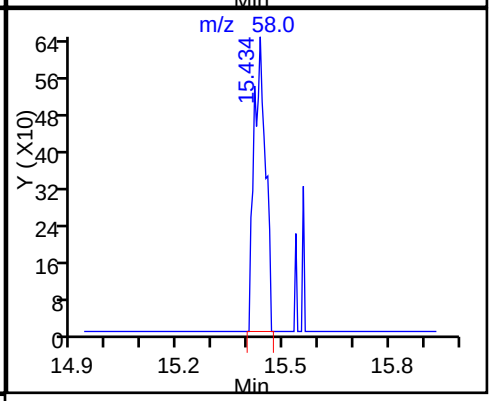
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

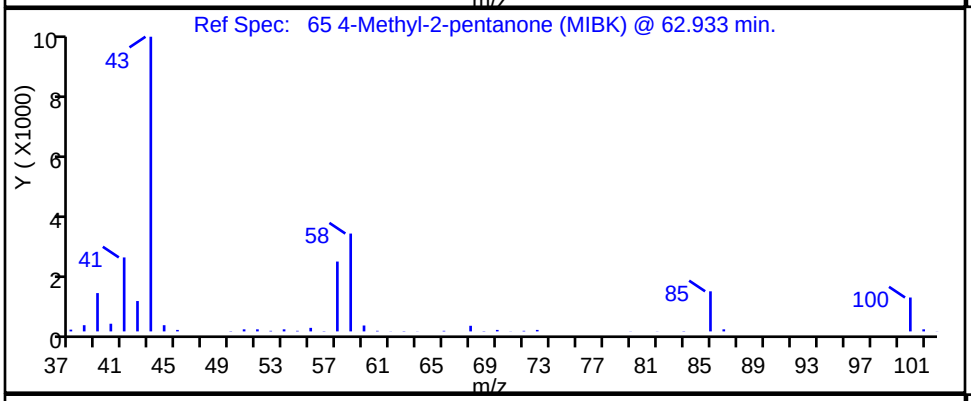
65 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

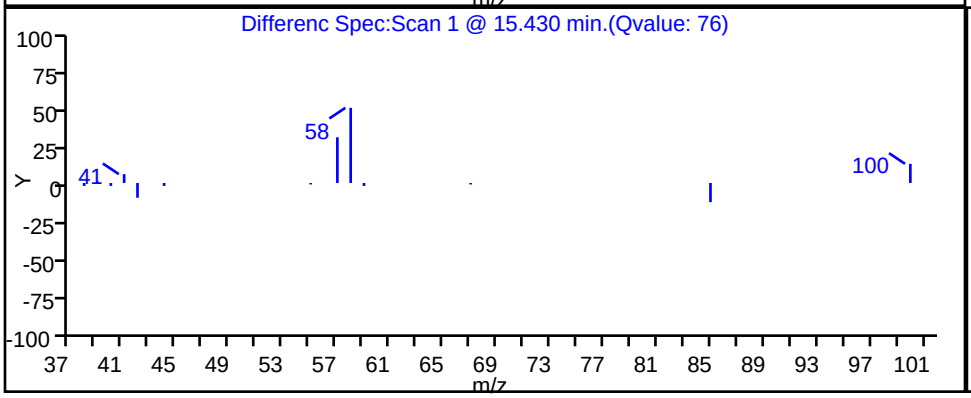


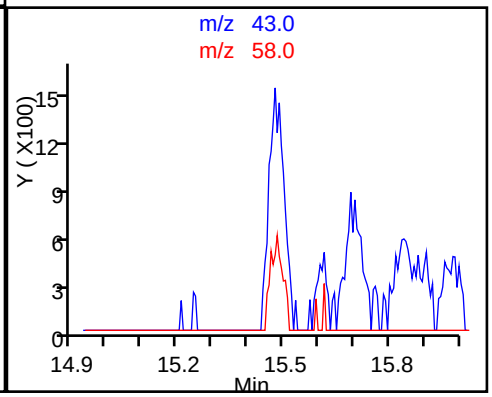












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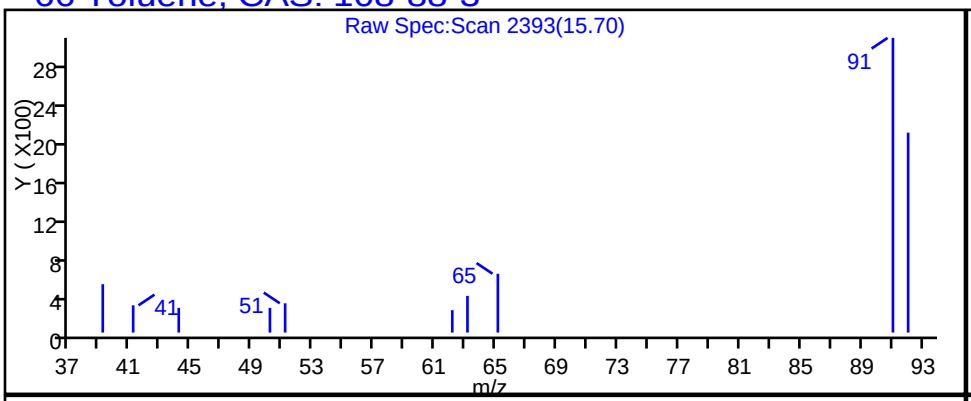
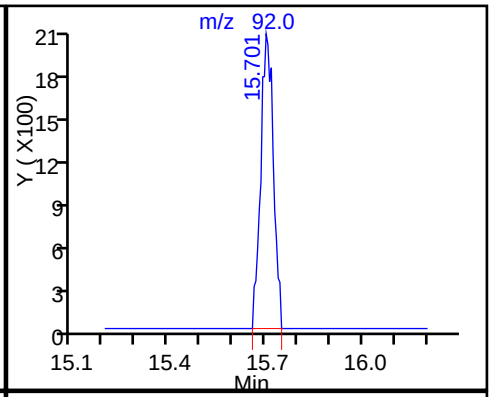
TestAmerica Burlington

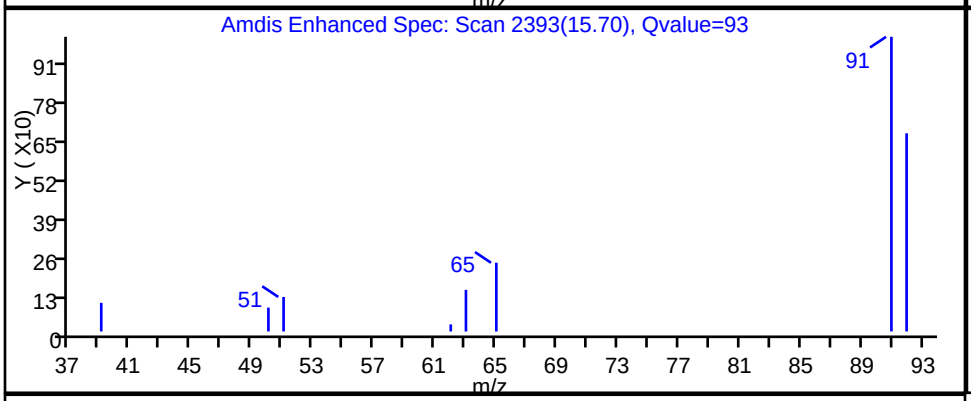
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140805-8862.b\8862_009.D

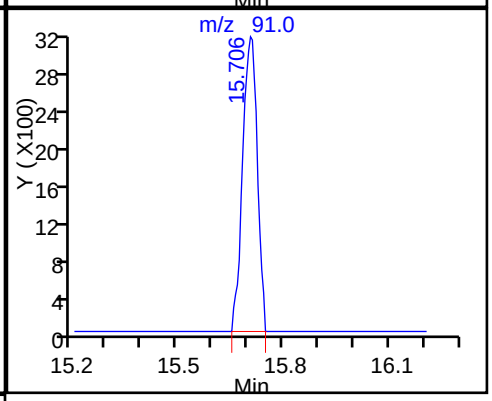
Injection Date:	05-Aug-2014 16:39:30	Instrument ID:	CHC.i		
Lims ID:	280-58004-A-10	Lab Sample ID:	200-58004-10		
Client ID:	785VMP0202MC				
Operator ID:	wrd	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

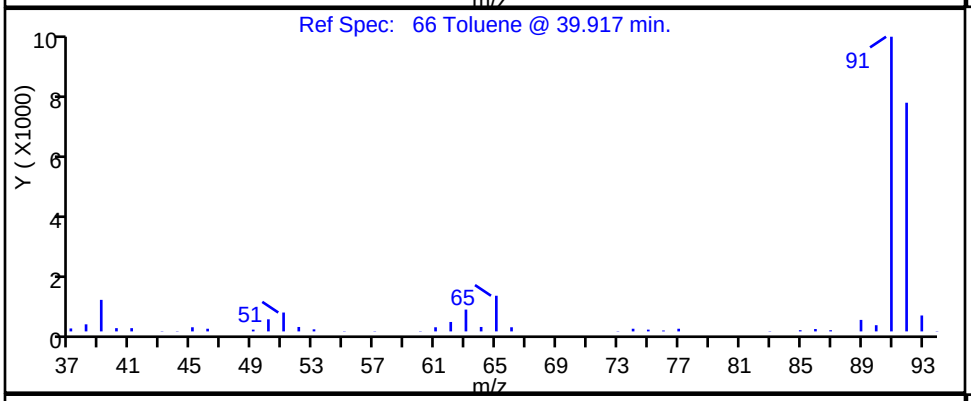
66 Toluene, CAS: 108-88-3

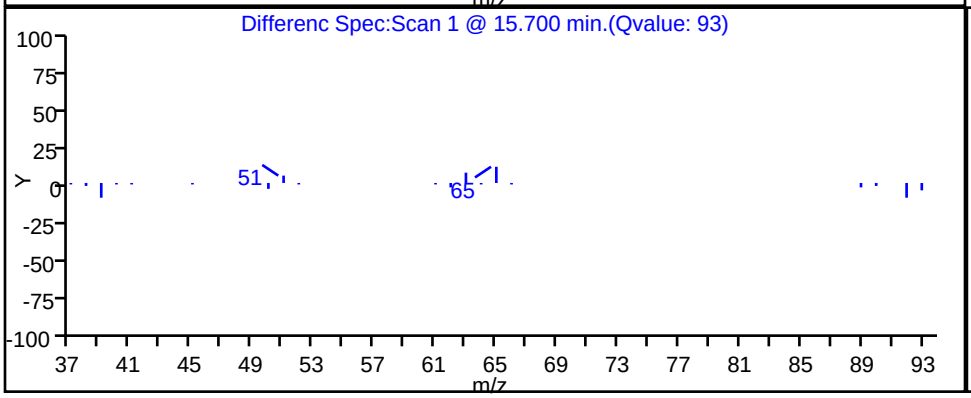


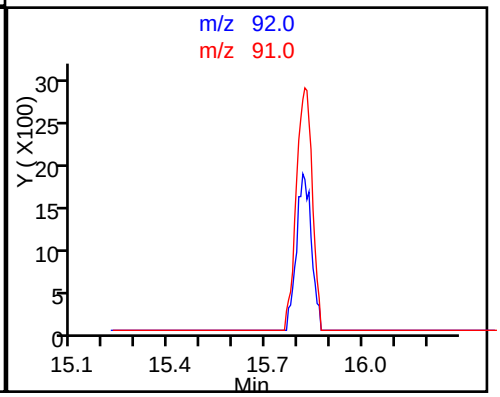












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Injection Date:	05-Aug-2014 16:39:30	Instrument ID:	CHC.i		
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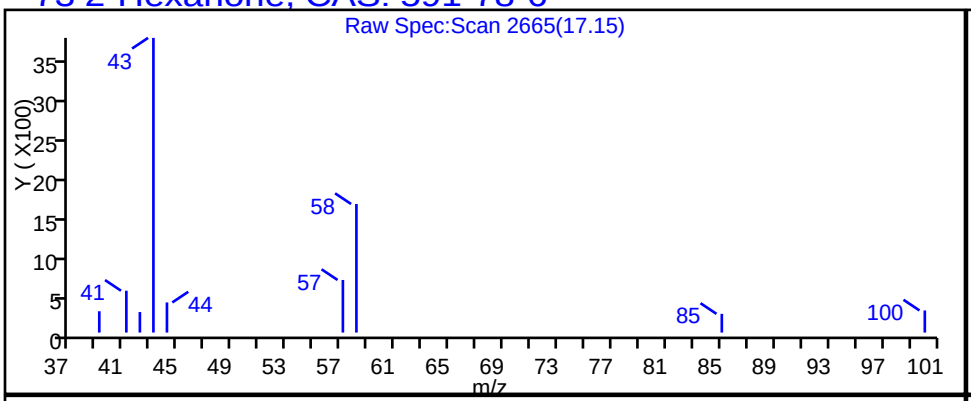
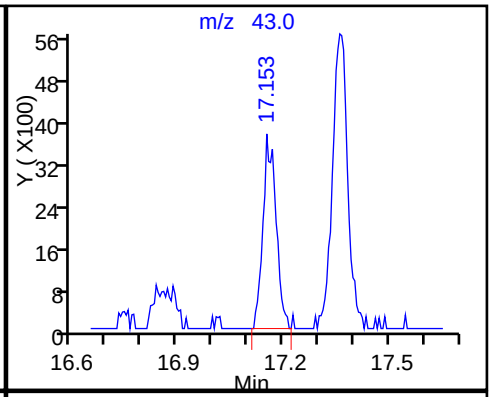
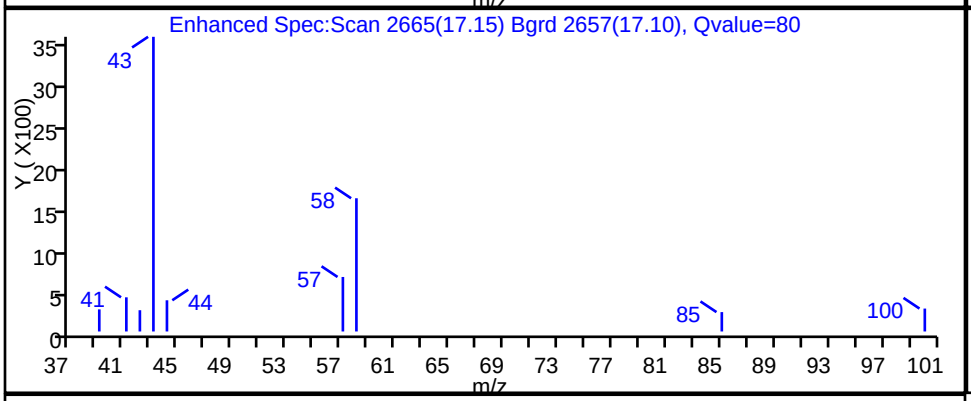
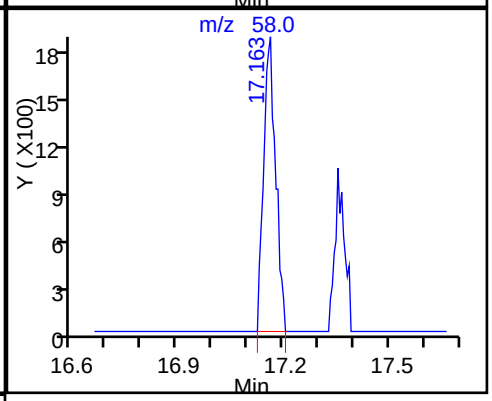
Operator ID:	wrd	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

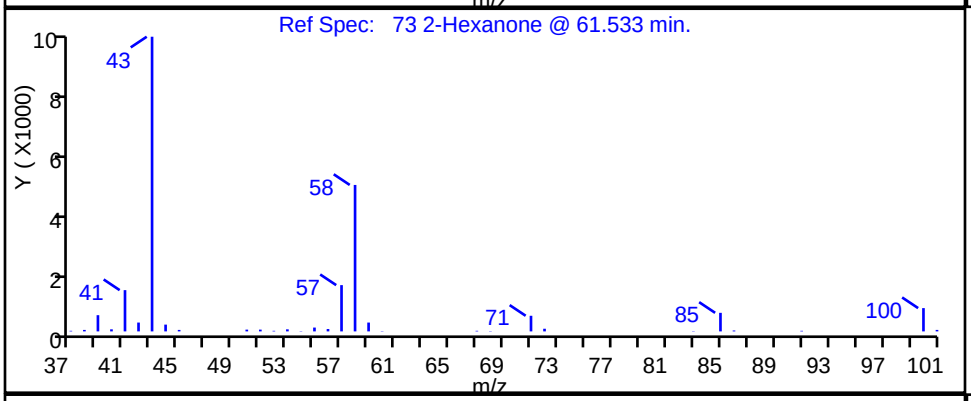
73 2-Hexanone, CAS: 591-78-6

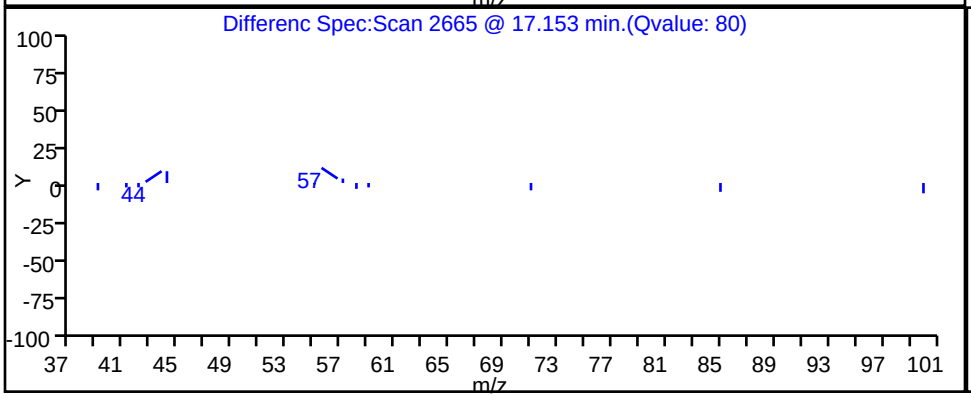


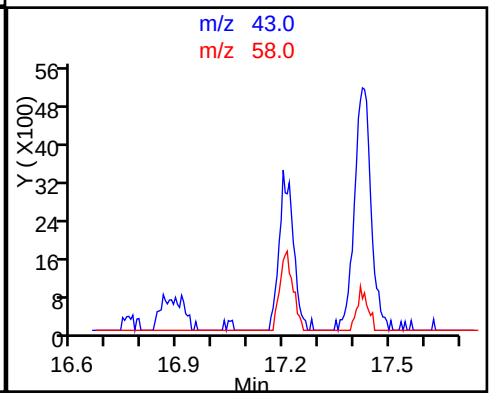












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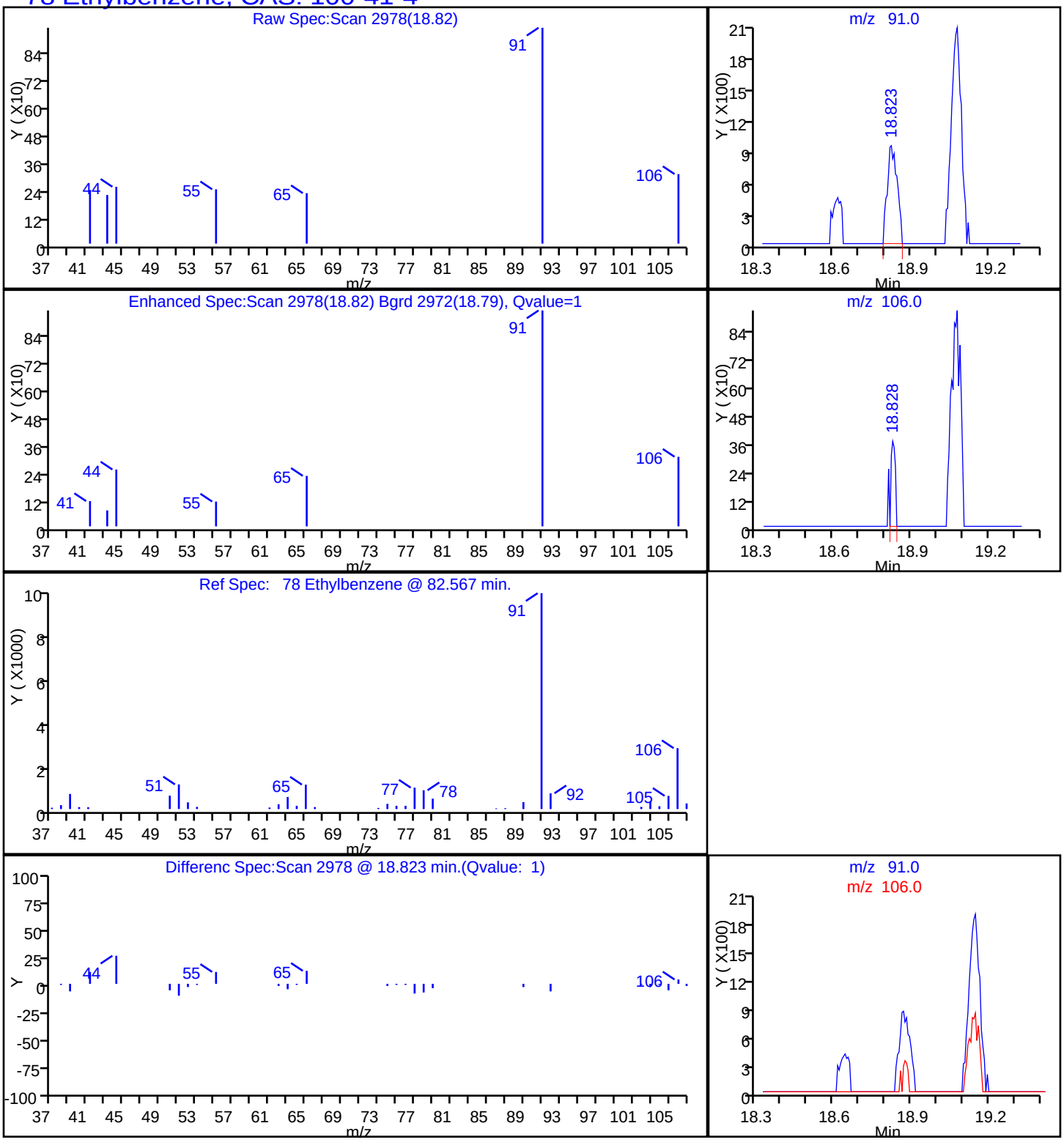
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

78 Ethylbenzene, CAS: 100-41-4



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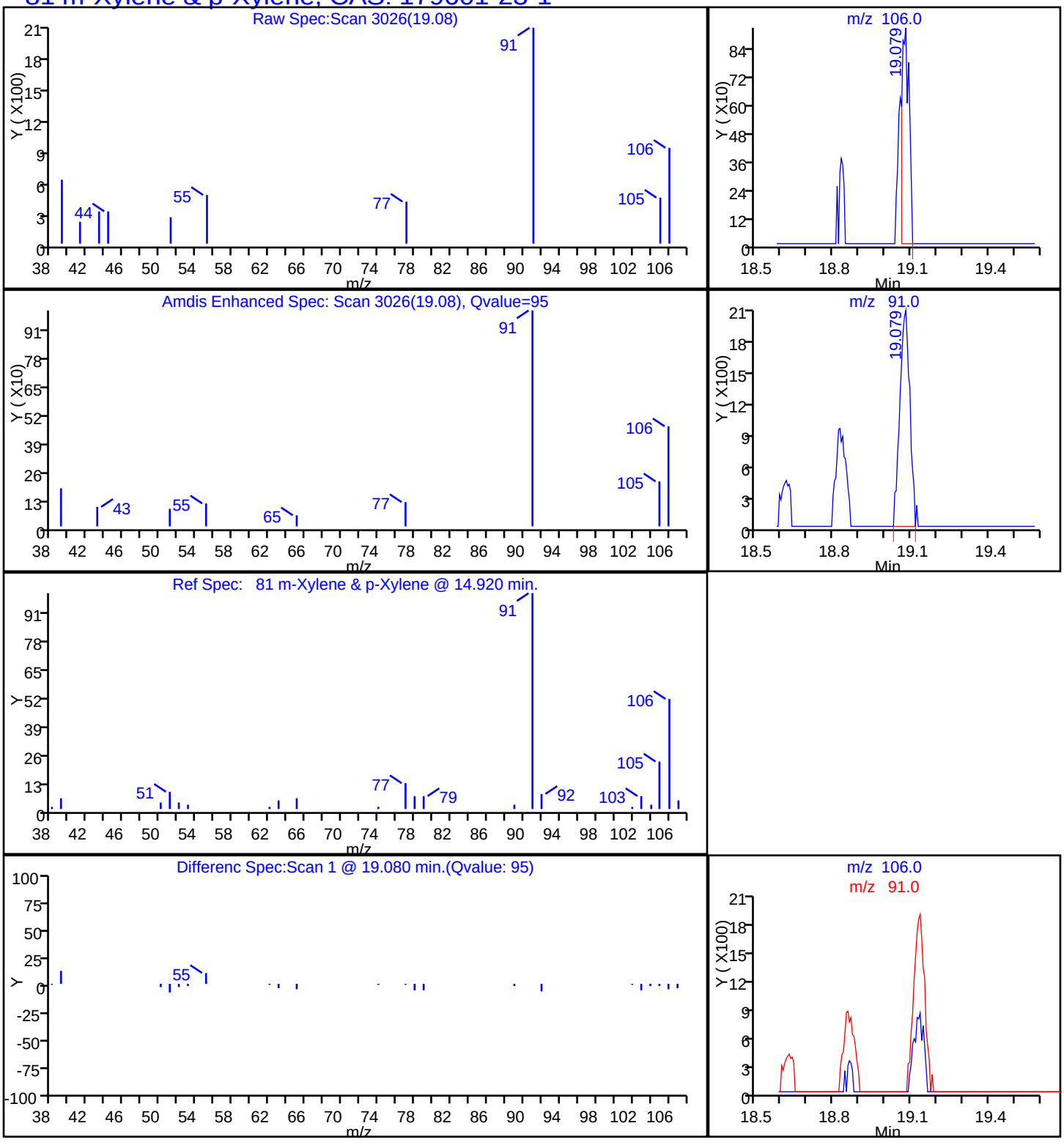
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

81 m-Xylene & p-Xylene, CAS: 179601-23-1



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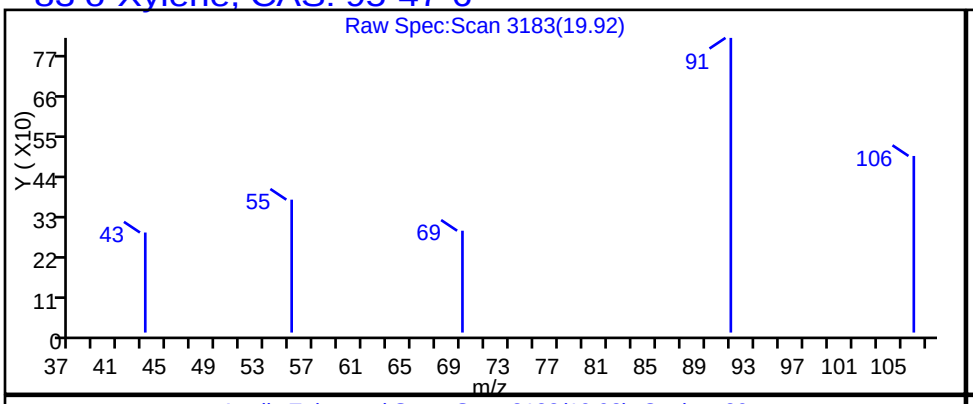
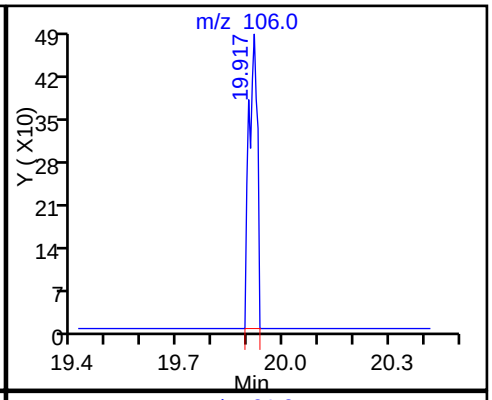
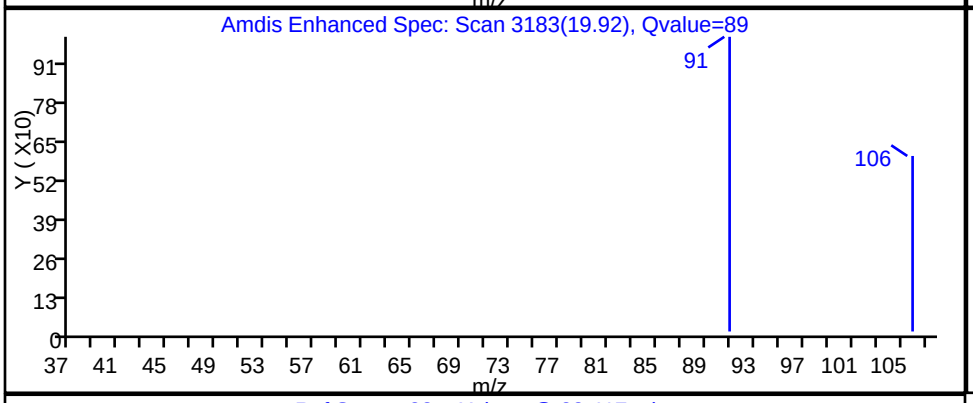
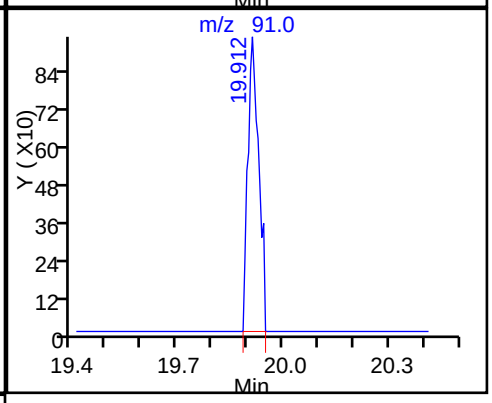
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

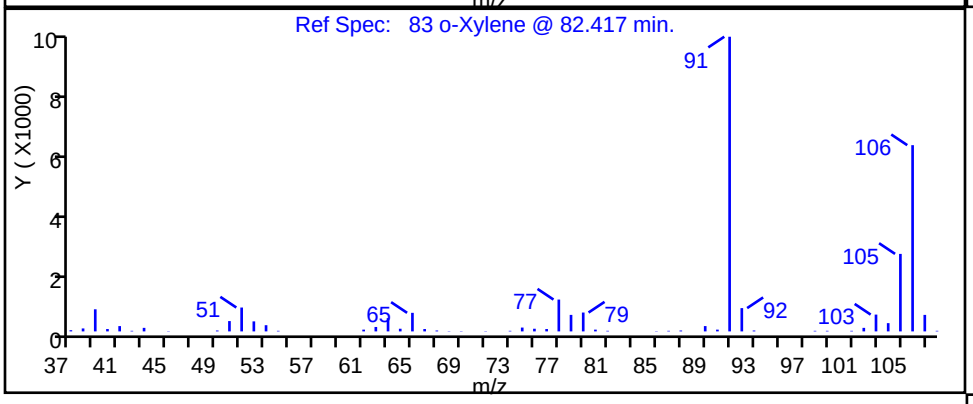
83 o-Xylene, CAS: 95-47-6

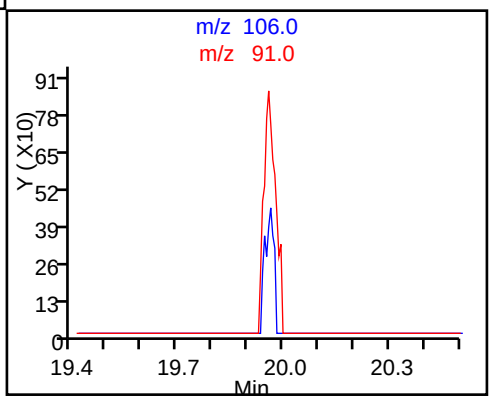










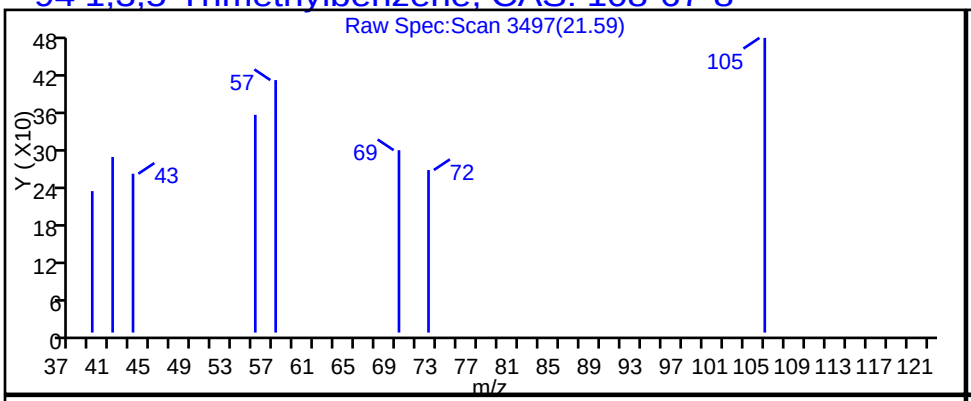


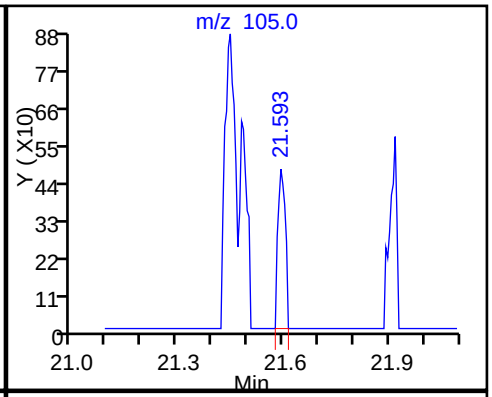
Report Date: 06-Aug-2014 14:40:50 Chrom Revision: 2.2 24-Jun-2014 07:21:42

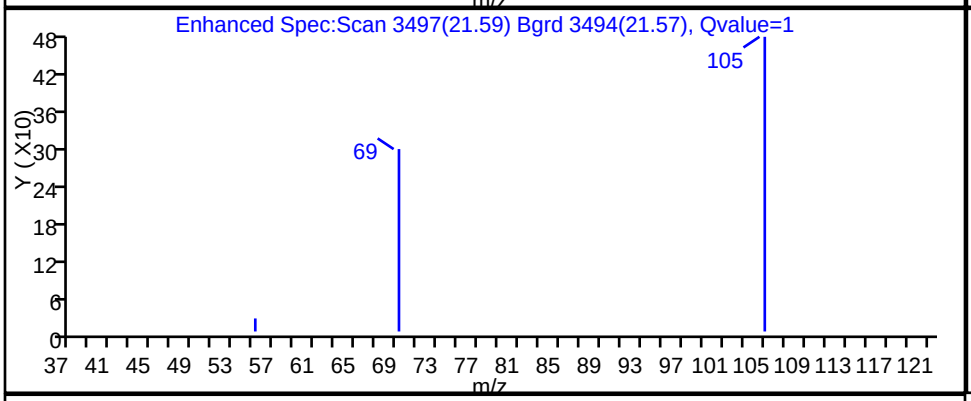
TestAmerica Burlington

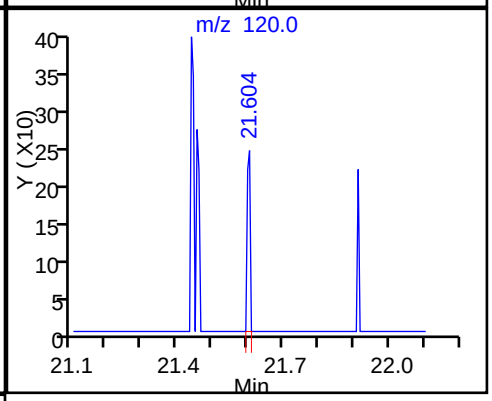
Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140805-8862.b\8862_009.D				
Injection Date:	05-Aug-2014 16:39:30	Instrument ID:	CHC.i		
Lims ID:	280-58004-A-10	Lab Sample ID:	200-58004-10		
Client ID:	785VMP0202MC				
Operator ID:	wrd	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

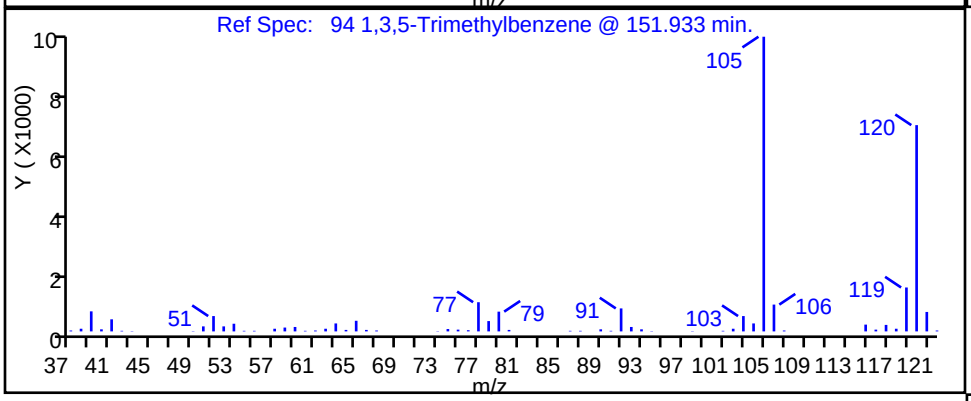
94 1,3,5-Trimethylbenzene, CAS: 108-67-8

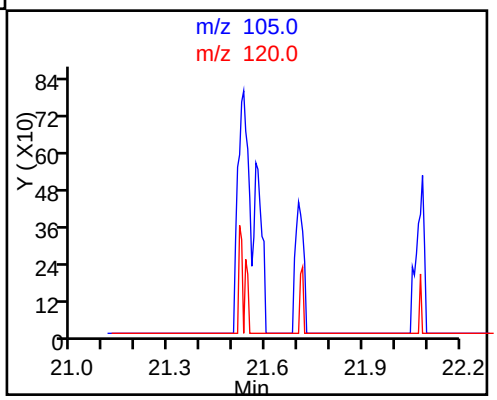












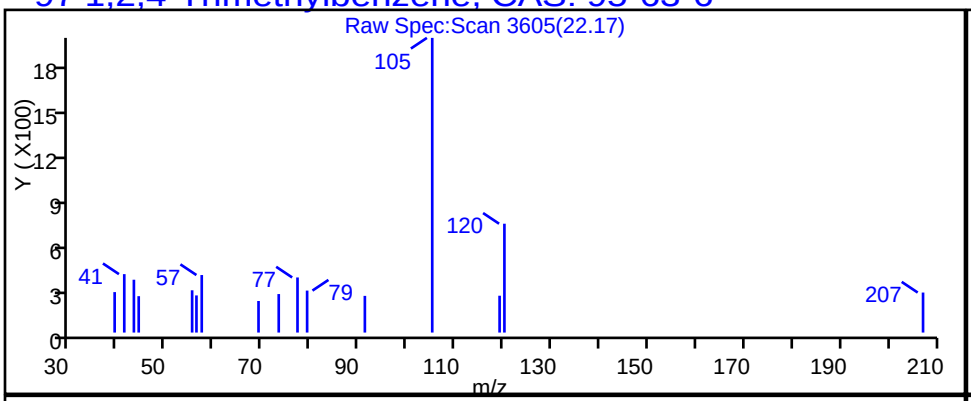
Report Date: 06-Aug-2014 14:40:50 Chrom Revision: 2.2 24-Jun-2014 07:21:42

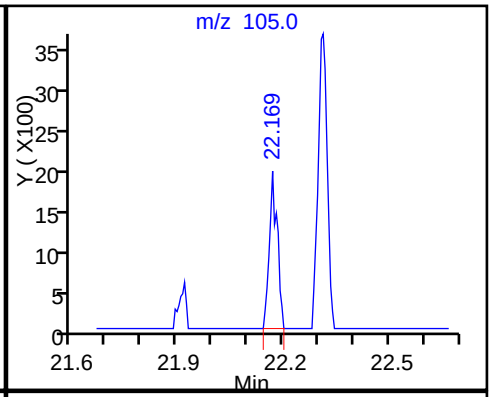
TestAmerica Burlington

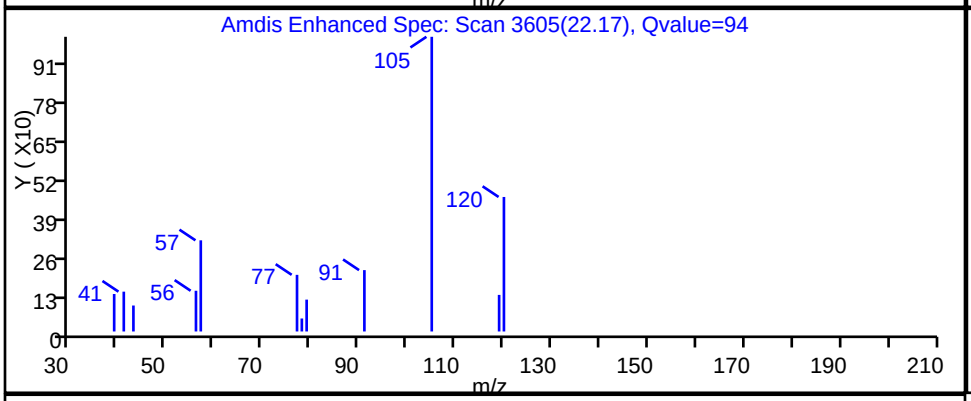
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140805-8862.b\8862_009.D

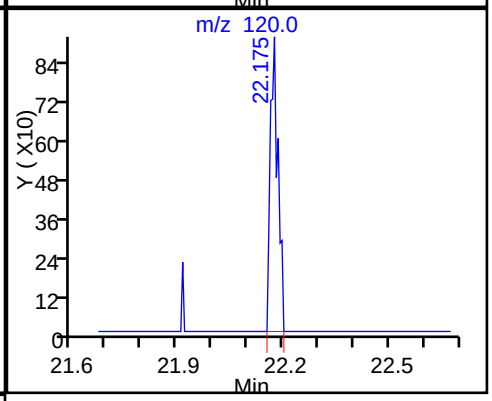
Injection Date:	05-Aug-2014 16:39:30	Instrument ID:	CHC.i		
Lims ID:	280-58004-A-10	Lab Sample ID:	200-58004-10		
Client ID:	785VMP0202MC				
Operator ID:	wrd	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

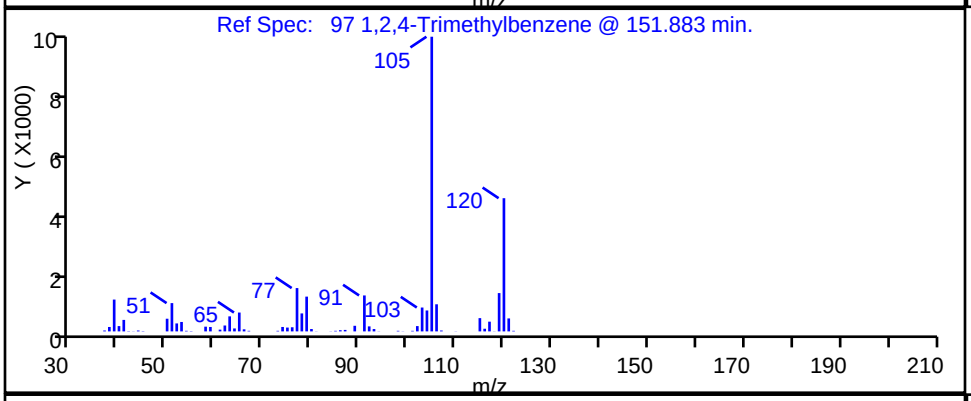
97 1,2,4-Trimethylbenzene, CAS: 95-63-6

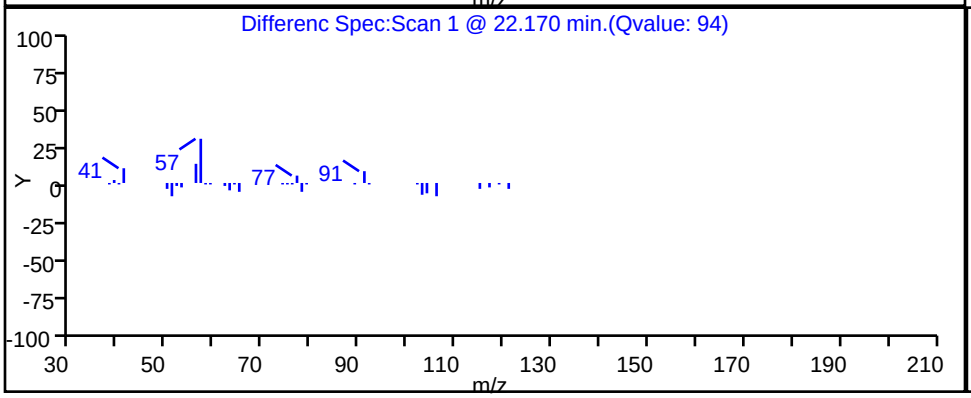


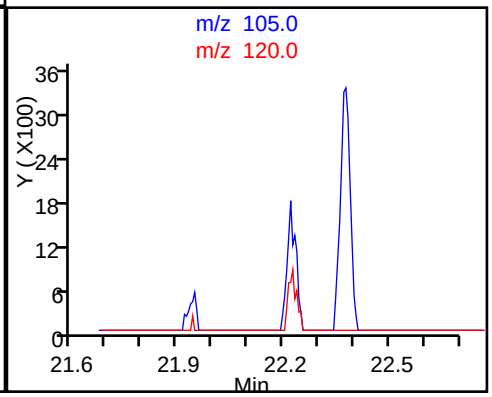












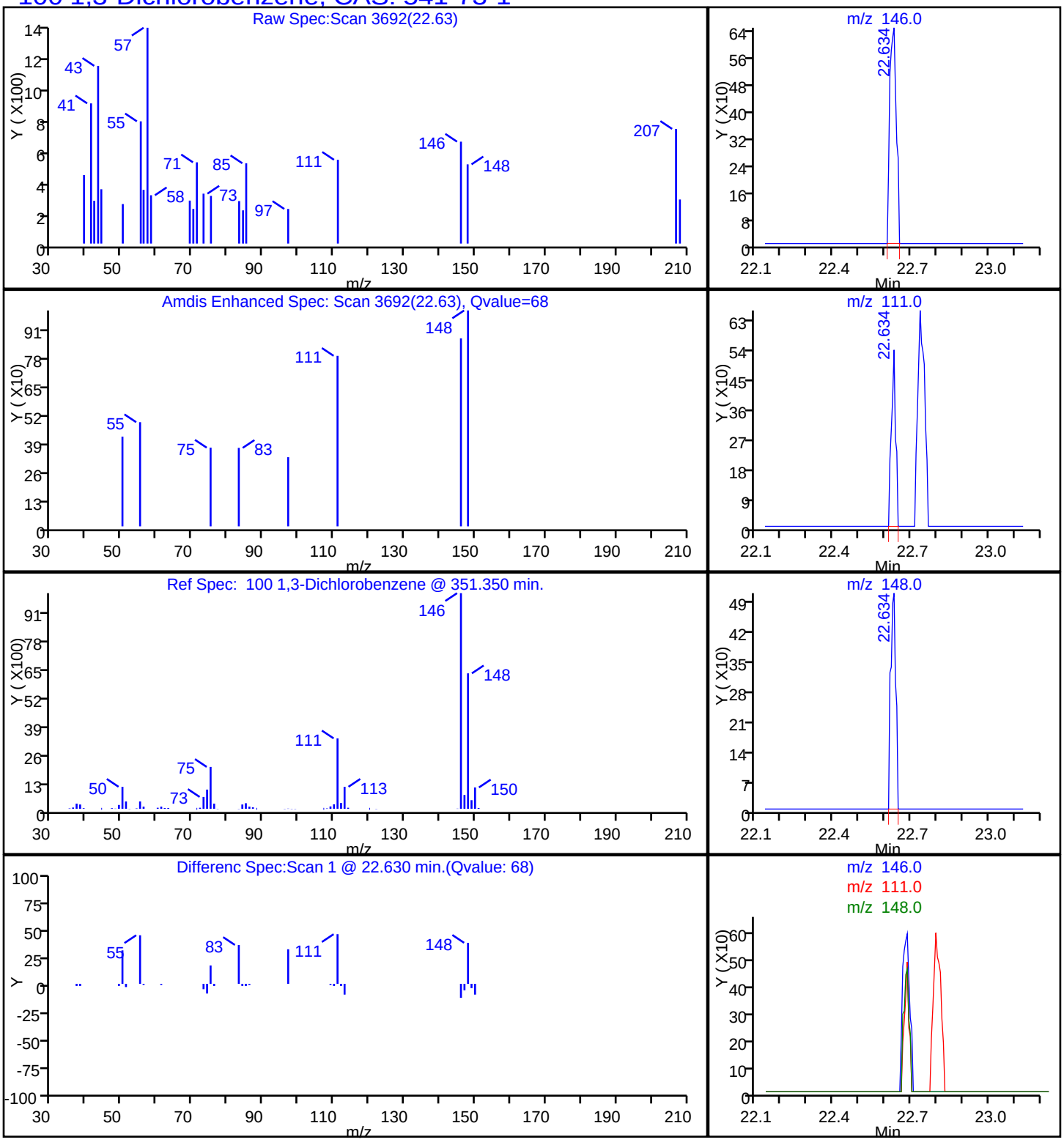
Report Date: 06-Aug-2014 14:40:50 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140805-8862.b\8862_009.D

Injection Date:	05-Aug-2014 16:39:30	Instrument ID:	CHC.i		
Lims ID:	280-58004-A-10	Lab Sample ID:	200-58004-10		
Client ID:	785VMP0202MC				
Operator ID:	wrd	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

100 1,3-Dichlorobenzene, CAS: 541-73-1



Manual Integration/User Assign Peak Report

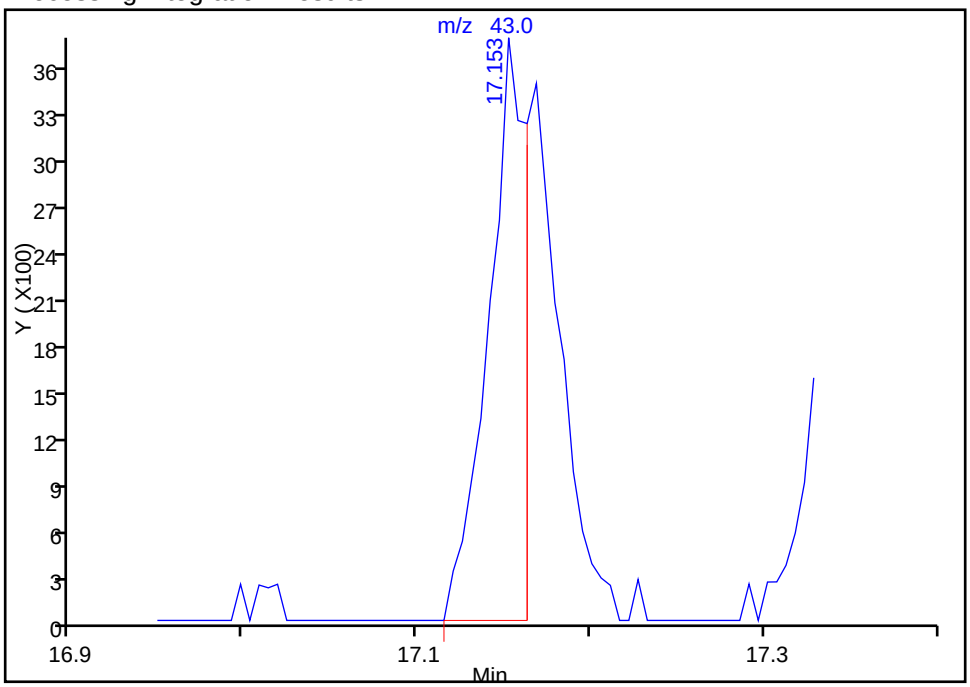
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140805-8862.b\8862_009.D				
Injection Date:	05-Aug-2014 16:39:30	Instrument ID:	CHC.i		
Lims ID:	280-58004-A-10	Lab Sample ID:	200-58004-10		
Client ID:	785VMP0202MC				
Operator ID:	wrd	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

73 2-Hexanone, CAS: 591-78-6

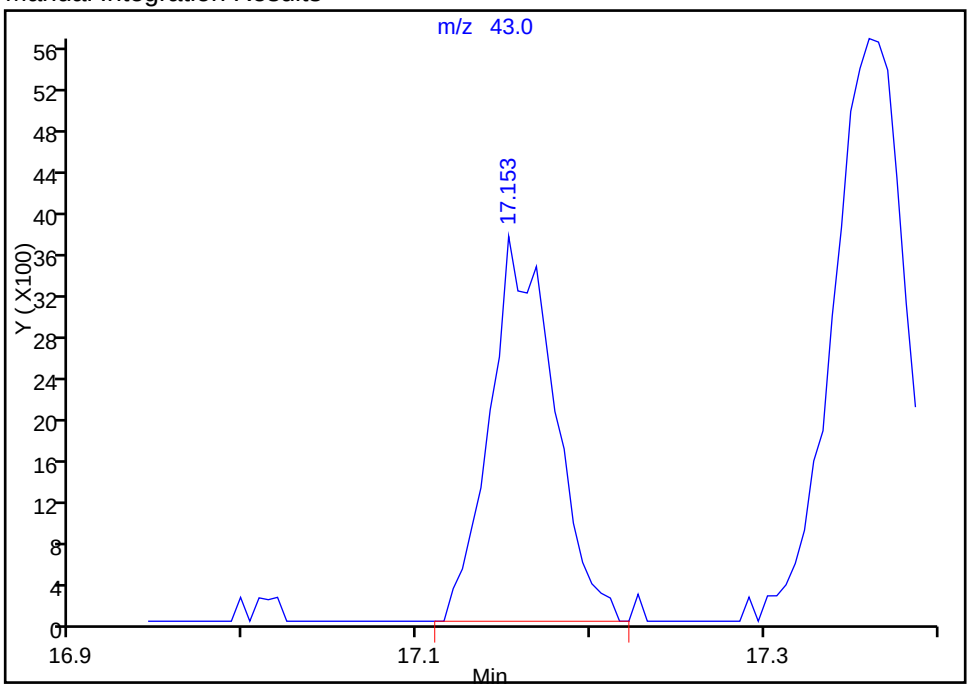
Processing Integration Results

RT: 17.15
Response: 5666
Amount: 0.179071



Manual Integration Results

RT: 17.15
Response: 9580
Amount: 0.302772



Reviewer: desjardinsb, 06-Aug-2014 07:25:34
Audit Action: Manually Integrated
Audit Reason: Baseline Event

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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1 Analy Batch No.: 75021

SDG No.:

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

Calibration Start Date: 07/17/2014 12:55 Calibration End Date: 07/18/2014 09:36 Calibration ID: 27544

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-75021/3	8605_003.D
Level 2	IC 200-75021/4	8605_004.D
Level 3	IC 200-75021/18	8605_018.D
Level 4	IC 200-75021/6	8605_006.D
Level 5	ICIS 200-75021/7	8605_007.D
Level 6	IC 200-75021/8	8605_008.D
Level 7	IC 200-75021/9	8605_009.D
Level 8	IC 200-75021/10	8605_010.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Propylene	+++++ 0.5683	+++++ 0.5282	0.7126 0.4286	0.6683	0.6134	Ave		0.5866				17.0		30.0			
Dichlorodifluoromethane	+++++ 3.1157	+++++ 2.9585	3.3823 2.3494	3.4489	3.3292	Ave		3.0973				13.0		30.0			
Freon 22	+++++ 1.3880	+++++ 1.3060	1.3867 1.0473	1.6508	1.5407	Ave		1.3866				15.0		30.0			
1,2-Dichlorotetrafluoroethane	+++++ 2.6347	2.9784 2.5506	2.9506 2.1045	2.7735	2.7609	Ave		2.6790				11.0		30.0			
Chloromethane	+++++ 0.7324	+++++ 0.6913	0.8002 0.5714	0.8287	0.7964	Ave		0.7367				13.0		30.0			
n-Butane	+++++ 1.1623	+++++ 1.0751	1.4200 0.8740	1.3496	1.2912	Ave		1.1954				17.0		30.0			
Vinyl chloride	0.7221 0.9058	1.0663 0.8736	0.9660 0.7360	0.9852	0.9593	Ave		0.9018				13.0		30.0			
1,3-Butadiene	+++++ 0.6885	0.7233 0.6399	0.6789 0.5380	0.7450	0.7265	Ave		0.6772				10.0		30.0			
Bromomethane	+++++ 0.9046	0.8702 0.9258	1.1062 0.8299	0.9136	0.8996	Ave		0.9214				9.5		30.0			
Chloroethane	+++++ 0.3917	+++++ 0.3878	0.4276 0.3393	0.4113	0.4020	Ave		0.3933				7.7		30.0			
Isopentane	+++++ 0.6927	0.9034 0.6586	0.7952 0.5489	0.7832	0.7337	Ave		0.7308				15.0		30.0			
Bromoethene(Vinyl Bromide)	+++++ 0.8472	0.9874 0.8788	1.0571 0.8287	0.8803	0.8679	Ave		0.9068				9.2		30.0			
Trichlorofluoromethane	+++++ 3.2154	3.6618 3.1279	3.6244 2.6990	3.4811	3.3688	Ave		3.3112				10.0		30.0			
n-Pentane	+++++ 1.2000	+++++ 1.1158	1.3952 0.9238	1.3861	1.3103	Ave		1.2219				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.: 280-58004-1 Analy Batch No.: 75021

SDG No.:

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

Calibration Start Date: 07/17/2014 12:55 Calibration End Date: 07/18/2014 09:36 Calibration ID: 27544

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Ethanol	+++++ 0.1805	+++++ 0.2278	0.2647 0.2793	0.2512	0.2527	Ave		0.2427				14.0		30.0			
Ethyl ether	+++++ 0.5343	0.4665 0.5130	0.5402 0.4435	0.5898	0.5663	Ave		0.5219				10.0		30.0			
Acrolein	+++++ 0.2241	+++++ 0.2256	+++++ 0.1761	0.2522	0.2368	Ave		0.2229				13.0		30.0			
Freon TF	+++++ 1.8047	1.8343 1.7890	2.1577 1.5938	1.9285	1.8634	Ave		1.8531				9.2		30.0			
1,1-Dichloroethene	+++++ 0.8550	0.8084 0.8538	1.0439 0.7623	0.8936	0.8802	Ave		0.8710				10.0		30.0			
Acetone	+++++ 1.2118	+++++ 1.0696	+++++ 0.9351	1.4653	1.3424	Ave		1.2048				18.0		30.0			
Carbon disulfide	+++++ 2.2188	+++++ 2.1662	4.2849 1.9064	2.4138	2.3572	Ave		2.5579				34.0	*	30.0			
Isopropyl alcohol	+++++ 0.9021	+++++ 0.8398	+++++ 0.7231	1.2523	1.0880	Ave		0.9611				22.0		30.0			
3-Chloropropene	+++++ 0.8822	1.1301 0.8496	0.8722 0.6961	1.0164	0.9662	Ave		0.9161				15.0		30.0			
Acetonitrile	+++++ 0.4703	+++++ 0.4110	+++++ 0.3791	0.5465	0.5224	Ave		0.4659				15.0		30.0			
Methylene Chloride	+++++ 0.8249	+++++ 0.7766	0.9857 0.6476	0.9701	0.9026	Ave		0.8513				15.0		30.0			
tert-Butyl alcohol	+++++ 1.5792	+++++ 1.4079	+++++ 1.2618	1.9360	1.7418	Ave		1.5853				17.0		30.0			
Methyl tert-butyl ether	+++++ 2.5172	2.6993 2.4354	2.8476 2.1058	2.7334	2.6298	Ave		2.5669				9.5		30.0			
trans-1,2-Dichloroethene	+++++ 1.1634	1.4129 1.1019	1.2672 0.9248	1.3484	1.2408	Ave		1.2085				14.0		30.0			
Acrylonitrile	+++++ 0.5039	+++++ 0.4814	0.4644 0.4273	0.5597	0.5428	Ave		0.4966				10.0		30.0			
n-Hexane	+++++ 1.0681	1.1934 1.0339	1.2199 0.8816	1.2198	1.1515	Ave		1.1097				11.0		30.0			
1,1-Dichloroethane	1.3827 1.5975	1.9116 1.5344	1.6697 1.3156	1.8235	1.7091	Ave		1.6180				13.0		30.0			
Vinyl acetate	+++++ 2.0282	+++++ 1.9080	+++++ 1.5775	2.3209	2.2162	Ave		2.0102				14.0		30.0			
cis-1,2-Dichloroethene	+++++ 1.1229	1.2412 1.1075	1.2772 0.9900	1.1901	1.1520	Ave		1.1544				8.2		30.0			
Methyl Ethyl Ketone	+++++ 0.4919	+++++ 0.4653	0.7634 0.4107	0.5374	0.5181	Ave		0.5311				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.: 280-58004-1 Analy Batch No.: 75021

SDG No.:

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

Calibration Start Date: 07/17/2014 12:55 Calibration End Date: 07/18/2014 09:36 Calibration ID: 27544

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Ethyl acetate	+++++ 0.0824	+++++ 0.0807	+++++ 0.0747	0.0838	0.0867	Ave		0.0817				5.5		30.0			
Tetrahydrofuran	+++++ 0.1610	+++++ 0.1490	+++++ 0.1287	0.1998	0.1799	Ave		0.1637				17.0		30.0			
Chloroform	+++++ 2.6781	3.0028 2.5466	2.7285 2.1740	2.9492	2.8622	Ave		2.7059				10.0		30.0			
Cyclohexane	+++++ 0.2388	0.2640 0.2383	0.2795 0.2163	0.2608	0.2510	Ave		0.2498				8.3		30.0			
1,1,1-Trichloroethane	+++++ 0.5014	0.5700 0.4931	0.5797 0.4383	0.5403	0.5177	Ave		0.5201				9.4		30.0			
Carbon tetrachloride	0.5807 0.5476	0.5951 0.5470	0.6183 0.4948	0.5710	0.5562	Ave		0.5638				6.6		30.0			
2,2,4-Trimethylpentane	+++++ 0.9374	1.1529 0.8756	1.0599 0.7189	1.1010	1.0441	Ave		0.9842				15.0		30.0			
Benzene	+++++ 0.5880	0.7431 0.5721	0.7331 0.4951	0.6689	0.6350	Ave		0.6336				14.0		30.0			
1,2-Dichloroethane	+++++ 0.3550	0.3860 0.3382	0.3811 0.2942	0.3841	0.3738	Ave		0.3589				9.3		30.0			
n-Heptane	+++++ 0.3799	0.4626 0.3465	0.4095 0.2830	0.4348	0.4257	Ave		0.3917				16.0		30.0			
n-Butanol	+++++ 0.1210	+++++ 0.1211	+++++ 0.0947	0.1559	0.1375	Ave		0.1260				18.0		30.0			
Trichloroethene	0.2952 0.3525	0.3730 0.3422	0.4009 0.2993	0.3641	0.3509	Ave		0.3473				10.0		30.0			
1,2-Dichloropropane	+++++ 0.3197	0.3353 0.3099	0.3382 0.2646	0.3185	0.3174	Ave		0.3148				7.7		30.0			
Methyl methacrylate	+++++ 0.3038	+++++ 0.2941	0.2902 0.2581	0.2882	0.2949	Ave		0.2882				5.4		30.0			
1,4-Dioxane	+++++ 0.1138	+++++ 0.1070	+++++ 0.0943	0.1417	0.1293	Ave		0.1172				16.0		30.0			
Dibromomethane	+++++ 0.2784	0.2537 0.2842	0.3376 0.2728	0.2626	0.2651	Ave		0.2792				9.9		30.0			
Bromodichloromethane	+++++ 0.6896	0.6678 0.6692	0.7124 0.5787	0.6795	0.6734	Ave		0.6672				6.3		30.0			
cis-1,3-Dichloropropene	+++++ 0.5003	0.4647 0.4896	0.5282 0.4264	0.4896	0.4845	Ave		0.4833				6.5		30.0			
methyl isobutyl ketone	+++++ 0.6334	+++++ 0.5862	0.8958 0.4804	0.6578	0.6438	Ave		0.6496				21.0		30.0			
Toluene	+++++ 0.5402	0.6270 0.5353	0.6747 0.4611	0.5697	0.5553	Ave		0.5662				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.: 280-58004-1 Analy Batch No.: 75021

SDG No.:

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

Calibration Start Date: 07/17/2014 12:55 Calibration End Date: 07/18/2014 09:36 Calibration ID: 27544

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
n-Octane	+++++ 0.6607	0.7489 0.5994	0.7674 0.4690	0.7401	0.6846	Ave		0.6672				16.0		30.0			
trans-1,3-Dichloropropene	+++++ 0.5338	0.6854 0.5210	0.6499 0.4522	0.5287	0.5223	Ave		0.5562				15.0		30.0			
1,1,2-Trichloroethane	+++++ 0.3039	0.3095 0.2941	0.3441 0.2548	0.3145	0.3110	Ave		0.3046				8.8		30.0			
Tetrachloroethene	0.4702 0.4115	0.4439 0.4199	0.5217 0.3904	0.4080	0.4143	Ave		0.4350				9.8		30.0			
Methyl Butyl Ketone (2-Hexanone)	+++++ 0.5985	+++++ 0.5617	0.9189 0.4515	0.6582	0.6359	Ave		0.6374				24.0		30.0			
Dibromochloromethane	+++++ 0.6348	0.5456 0.6337	0.6612 0.5593	0.6401	0.6459	Ave		0.6172				7.3		30.0			
1,2-Dibromoethane	+++++ 0.5402	0.5414 0.5393	0.6178 0.4722	0.5583	0.5527	Ave		0.5460				7.8		30.0			
Chlorobenzene	+++++ 0.7170	0.7803 0.7174	0.9091 0.6299	0.7368	0.7242	Ave		0.7449				11.0		30.0			
Ethylbenzene	+++++ 1.2136	1.3750 1.1756	1.5538 0.9553	1.3061	1.2568	Ave		1.2623				15.0		30.0			
n-Nonane	+++++ 0.6270	0.6892 0.5954	0.7639 0.4659	0.7070	0.6727	Ave		0.6459				15.0		30.0			
m,p-Xylene	+++++ 0.4432	0.5167 0.4354	0.5888 0.3643	0.4747	0.4626	Ave		0.4694				15.0		30.0			
Xylene, o-	+++++ 0.4757	0.4985 0.4674	0.5803 0.4121	0.5002	0.4900	Ave		0.4892				10.0		30.0			
Styrene	+++++ 0.7139	0.6333 0.7137	0.7609 0.6229	0.7290	0.7285	Ave		0.7003				7.4		30.0			
Bromoform	+++++ 0.5951	0.4651 0.6073	0.5697 0.5609	0.5711	0.5951	Ave		0.5663				8.4		30.0			
Cumene	+++++ 1.3264	1.5315 1.2789	1.6850 1.0162	1.4123	1.3969	Ave		1.3782				15.0		30.0			
1,1,2,2-Tetrachloroethane	+++++ 0.7685	0.8308 0.7349	0.9159 0.5840	0.8226	0.8353	Ave		0.7846				13.0		30.0			
n-Propylbenzene	+++++ 1.6220	1.9150 1.5160	2.1101 1.0930	1.8214	1.7824	Ave		1.6943				19.0		30.0			
1,2,3-Trichloropropane	+++++ 0.6412	+++++ 0.6116	0.7548 0.4856	0.6894	0.6878	Ave		0.6451				14.0		30.0			
n-Decane	+++++ 0.7127	+++++ 0.6258	0.9711 0.4057	0.8929	0.8500	Ave		0.7430				28.0		30.0			
4-Ethyltoluene	+++++ 1.1986	1.4947 1.1242	1.6689 0.8344	1.3815	1.3295	Ave		1.2903				21.0		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.: 280-58004-1 Analy Batch No.: 75021

SDG No.:

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

Calibration Start Date: 07/17/2014 12:55 Calibration End Date: 07/18/2014 09:36 Calibration ID: 27544

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
2-Chlorotoluene	+++++ 1.1033	1.4588 1.0225	1.5666 0.7431	1.2957	1.2250	Ave		1.2021				23.0		30.0			
1,3,5-Trimethylbenzene	+++++ 1.1452	1.2975 1.0982	1.4409 0.8654	1.2148	1.2090	Ave		1.1816				15.0		30.0			
Alpha Methyl Styrene	+++++ 0.5729	0.3974 0.5712	0.4728 0.4951	0.5765	0.5917	Ave		0.5254				14.0		30.0			
tert-Butylbenzene	+++++ 1.0399	1.1925 1.0143	1.3376 0.8207	1.1077	1.0875	Ave		1.0857				15.0		30.0			
1,2,4-Trimethylbenzene	+++++ 1.1345	1.2679 1.0978	1.4407 0.8452	1.2415	1.2120	Ave		1.1771				16.0		30.0			
sec-Butylbenzene	+++++ 1.5402	1.8466 1.4581	2.0633 1.0665	1.7486	1.6723	Ave		1.6279				20.0		30.0			
4-Isopropyltoluene	+++++ 1.2764	1.4050 1.2244	1.6932 0.9154	1.4110	1.3552	Ave		1.3258				18.0		30.0			
1,3-Dichlorobenzene	+++++ 0.7143	0.7790 0.7266	0.9143 0.6167	0.7405	0.7355	Ave		0.7467				12.0		30.0			
1,4-Dichlorobenzene	+++++ 0.7427	0.7645 0.7539	0.9020 0.6435	0.7610	0.7685	Ave		0.7623				9.9		30.0			
Benzyl chloride	+++++ 1.0028	1.0458 1.1161	1.2509 0.7742	1.0526	1.0575	Ave		1.0428				14.0		30.0			
n-Butylbenzene	+++++ 1.2590	1.3203 1.1712	1.6041 0.8282	1.4947	1.3984	Ave		1.2966				19.0		30.0			
n-Undecane	+++++ 0.8035	+++++ 0.7152	+++++ 0.4685	1.0195	0.9427	Ave		0.7899				27.0		30.0			
1,2-Dichlorobenzene	+++++ 0.7189	0.7531 0.7321	0.8545 0.6273	0.7281	0.7264	Ave		0.7343				9.1		30.0			
n-Dodecane	+++++ 0.6627	+++++ 0.6472	+++++ 0.4586	0.5629	0.7268	Ave		0.6117				17.0		30.0			
1,2,4-Trichlorobenzene	+++++ 0.4651	+++++ 0.5511	0.2177 0.5207	0.3853	0.4807	Ave		0.4368				28.0		30.0			
Hexachlorobutadiene	+++++ 0.5191	0.3219 0.5504	0.4586 0.5328	0.4786	0.5017	Ave		0.4805				16.0		30.0			
Naphthalene	+++++ 0.9721	+++++ 1.2372	0.5613 0.9766	0.9582	1.1735	Ave		0.9798				24.0		30.0			
1,2,3-Trichlorobenzene	+++++ 0.3803	0.0260 0.4630	0.1604 0.4476	0.2915	0.3976	Ave		0.3095				52.0	*	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.: 280-58004-1 Analy Batch No.: 75021

SDG No.:

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

Calibration Start Date: 07/17/2014 12:55 Calibration End Date: 07/18/2014 09:36 Calibration ID: 27544

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-75021/3	8605_003.D
Level 2	IC 200-75021/4	8605_004.D
Level 3	IC 200-75021/18	8605_018.D
Level 4	IC 200-75021/6	8605_006.D
Level 5	ICIS 200-75021/7	8605_007.D
Level 6	IC 200-75021/8	8605_008.D
Level 7	IC 200-75021/9	8605_009.D
Level 8	IC 200-75021/10	8605_010.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Propylene	BCM	Ave	+++++ 91147	+++++ 124366	4594 228574	30992	60115	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Dichlorodifluoromethane	BCM	Ave	+++++ 499706	+++++ 696559	21806 1252865	159953	326247	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Freon 22	BCM	Ave	+++++ 222618	+++++ 307501	8940 558518	76558	150980	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,2-Dichlorotetrafluoroethane	BCM	Ave	+++++ 422562	5740 600525	19023 1122250	128627	270564	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chloromethane	BCM	Ave	+++++ 117463	+++++ 162753	5159 304692	38435	78048	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Butane	BCM	Ave	+++++ 186411	+++++ 253137	9155 466058	62589	126534	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Vinyl chloride	BCM	Ave	294 145276	2055 205692	6228 392494	45691	94004	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Butadiene	BCM	Ave	+++++ 110418	1394 150656	4377 286874	34551	71198	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromomethane	BCM	Ave	+++++ 145088	1677 217966	7132 442544	42372	88159	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chloroethane	BCM	Ave	+++++ 62823	+++++ 91315	2757 180918	19074	39390	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Isopentane	BCM	Ave	+++++ 111096	1741 155056	5127 292688	36323	71899	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromoethene(Vinyl Bromide)	BCM	Ave	+++++ 135872	1903 206906	6815 441897	40826	85055	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Trichlorofluoromethane	BCM	Ave	+++++ 515695	7057 736449	23367 1439288	161446	330137	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Pentane	BCM	Ave	+++++ 192463	+++++ 262702	8995 492613	64283	128405	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Ethanol	BCM	Ave	+++++ 38688	+++++ 107276	17088 372386	23316	37157	+++++ 20.0	+++++ 40.0	5.01 100.0	9.99	15.0

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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1 Analy Batch No.: 75021

SDG No.:

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

Calibration Start Date: 07/17/2014 12:55 Calibration End Date: 07/18/2014 09:36 Calibration ID: 27544

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Ethyl ether	BCM	Ave	+++++ 85691	899 120780	3483 236530	27352	55494	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acrolein	BCM	Ave	+++++ 35938	+++++ 53108	+++++ 93886	11698	23206	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Freon TF	BCM	Ave	+++++ 289442	3535 421214	13911 849899	89441	182610	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1-Dichloroethene	BCM	Ave	+++++ 137122	1558 201033	6730 406513	41445	86260	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acetone	BCM	Ave	+++++ 194361	+++++ 251822	+++++ 498653	67956	131551	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Carbon disulfide	BCM	Ave	+++++ 355858	+++++ 510013	27625 1016612	111945	231001	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Isopropyl alcohol	BCM	Ave	+++++ 144685	+++++ 197724	+++++ 385621	58078	106622	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
3-Chloropropene	BCM	Ave	+++++ 141498	2178 200030	5623 371204	47136	94689	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acetonitrile	BCM	Ave	+++++ 75423	+++++ 96772	+++++ 202149	25346	51196	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Methylene Chloride	BCM	Ave	+++++ 132301	+++++ 182858	6355 345359	44990	88449	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
tert-Butyl alcohol	BCM	Ave	+++++ 253281	+++++ 331483	+++++ 672871	89788	170690	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Methyl tert-butyl ether	BCM	Ave	+++++ 403723	5202 573397	18359 1122978	126768	257715	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
trans-1,2-Dichloroethene	BCM	Ave	+++++ 186596	2723 259430	8170 493186	62537	121595	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acrylonitrile	BCM	Ave	+++++ 80822	+++++ 113337	2994 227866	25956	53193	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Hexane	BCM	Ave	+++++ 171300	2300 243439	7865 470122	56569	112843	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1-Dichloroethane	BCM	Ave	563 256212	3684 361268	10765 701547	84568	167490	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Vinyl acetate	BCM	Ave	+++++ 325295	+++++ 449222	+++++ 841223	107639	217178	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
cis-1,2-Dichloroethene	BCM	Ave	+++++ 180094	2392 260755	8234 527949	55195	112894	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl Ethyl Ketone	BCM	Ave	+++++ 78901	+++++ 109559	4922 219019	24921	50774	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Ethyl acetate	BCM	Ave	+++++ 13221	+++++ 19001	+++++ 39837	3888	8499	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Tetrahydrofuran	DFB	Ave	+++++ 159958	+++++ 210918	+++++ 394917	57226	111223	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00

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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1 Analy Batch No.: 75021

SDG No.:

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

Calibration Start Date: 07/17/2014 12:55 Calibration End Date: 07/18/2014 09:36 Calibration ID: 27544

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Chloroform	BCM	Ave	+++++ 429524	5787 599592	17591 1159330	136777	280489	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Cyclohexane	DFB	Ave	+++++ 237310	3108 337385	10023 663501	74687	155179	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,1-Trichloroethane	DFB	Ave	+++++ 498255	6710 698162	20785 1344419	154742	320128	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Carbon tetrachloride	DFB	Ave	1448 544164	7005 774382	22171 1517785	163548	343948	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2,2,4-Trimethylpentane	DFB	Ave	+++++ 931526	13571 1239576	38003 2205153	315332	645621	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Benzene	DFB	Ave	+++++ 584280	8748 810014	26287 1518530	191581	392655	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloroethane	DFB	Ave	+++++ 352759	4544 478828	13665 902561	110017	231129	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Heptane	DFB	Ave	+++++ 377531	5445 490549	14685 868104	124537	263232	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Butanol	DFB	Ave	+++++ 120196	+++++ 171406	+++++ 290550	44639	85009	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Trichloroethene	DFB	Ave	736 350268	4391 484460	14376 918195	104284	216994	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloropropane	DFB	Ave	+++++ 317677	3947 438725	12125 811721	91216	196282	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl methacrylate	DFB	Ave	+++++ 301873	+++++ 416306	10406 791764	82542	182354	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,4-Dioxane	DFB	Ave	+++++ 113053	+++++ 151441	+++++ 289233	40572	79940	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Dibromomethane	DFB	Ave	+++++ 276631	2986 402383	12105 836701	75215	163903	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromodichloromethane	DFB	Ave	+++++ 685207	7861 947379	25544 1775024	194617	416424	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
cis-1,3-Dichloropropene	DFB	Ave	+++++ 497132	5470 693165	18938 1307990	140237	299602	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
methyl isobutyl ketone	DFB	Ave	+++++ 629407	+++++ 829876	32122 1473708	188387	398074	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Toluene	CBZ	Ave	+++++ 556298	7183 772495	24014 1466029	162772	342167	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Octane	DFB	Ave	+++++ 656562	8816 848546	27517 1438601	211982	423343	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
trans-1,3-Dichloropropene	DFB	Ave	+++++ 530383	8068 737545	23302 1387226	151426	322962	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2-Trichloroethane	CBZ	Ave	+++++ 312904	3546 424407	12248 810040	89848	191633	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1 Analy Batch No.: 75021

SDG No.:

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

Calibration Start Date: 07/17/2014 12:55 Calibration End Date: 07/18/2014 09:36 Calibration ID: 27544

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Tetrachloroethene	CBZ	Ave	1140 423726	5085 605901	18566 1241236	116564	255296	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl Butyl Ketone (2-Hexanone)	CBZ	Ave	+++++ 616281	+++++ 810473	32703 1435422	188057	391828	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Dibromochloromethane	CBZ	Ave	+++++ 653644	6250 914416	23531 1778349	182873	398031	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dibromoethane	CBZ	Ave	+++++ 556270	6202 778242	21987 1501365	159498	340609	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chlorobenzene	CBZ	Ave	+++++ 738341	8939 1035136	32353 2002544	210501	446276	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Ethylbenzene	CBZ	Ave	+++++ 1249703	15752 1696351	55300 3037164	373145	774449	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Nonane	CBZ	Ave	+++++ 645696	7895 859207	27188 1481314	202005	414560	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
m,p-Xylene	CBZ	Ave	+++++ 912803	11839 1256510	41908 2316456	271228	570160	+++++ 30.0	0.401 40.0	1.00 80.0	9.99	20.0
Xylene, o-	CBZ	Ave	+++++ 489869	5711 674503	20653 1310135	142910	301955	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Styrene	CBZ	Ave	+++++ 735141	7255 1029784	27081 1980260	208274	448906	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromoform	CBZ	Ave	+++++ 612785	5328 876341	20277 1783424	163174	366701	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Cumene	CBZ	Ave	+++++ 1365876	17545 1845477	59967 3230814	403490	860784	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2,2-Tetrachloroethane	CBZ	Ave	+++++ 791369	9517 1060469	32598 1856858	235030	514751	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Propylbenzene	CBZ	Ave	+++++ 1670270	21938 2187609	75096 3475040	520368	1098357	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2,3-Trichloropropane	CBZ	Ave	+++++ 660241	+++++ 882584	26863 1543742	196960	423861	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Decane	CBZ	Ave	+++++ 733858	+++++ 902967	34562 1289973	255100	523783	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
4-Ethyltoluene	CBZ	Ave	+++++ 1234215	17123 1622218	59395 2652952	394705	819276	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2-Chlorotoluene	CBZ	Ave	+++++ 1136109	16712 1475390	55753 2362434	370199	754900	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3,5-Trimethylbenzene	CBZ	Ave	+++++ 1179243	14864 1584720	51280 2751280	347063	745029	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Alpha Methyl Styrene	CBZ	Ave	+++++ 589939	4552 824175	16827 1573981	164711	364627	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
tert-Butylbenzene	CBZ	Ave	+++++ 1070850	13661 1463567	47603 2609316	316476	670172	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1 Analy Batch No.: 75021

SDG No.:

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

Calibration Start Date: 07/17/2014 12:55 Calibration End Date: 07/18/2014 09:36 Calibration ID: 27544

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,2,4-Trimethylbenzene	CBZ	Ave	+++++ 1168196	14525 1584159	51275 2687293	354705	746843	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
sec-Butylbenzene	CBZ	Ave	+++++ 1586047	21154 2104071	73432 3390598	499569	1030515	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
4-Isopropyltoluene	CBZ	Ave	+++++ 1314396	16095 1766708	60260 2910200	403114	835076	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Dichlorobenzene	CBZ	Ave	+++++ 735538	8924 1048513	32538 1960581	211554	453260	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,4-Dichlorobenzene	CBZ	Ave	+++++ 764797	8758 1087854	32100 2045769	217413	473569	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Benzyl chloride	CBZ	Ave	+++++ 1032590	11981 1610524	44518 2461395	300738	651678	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Butylbenzene	CBZ	Ave	+++++ 1296455	15125 1689983	57090 2633187	427028	861750	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Undecane	CBZ	Ave	+++++ 827381	+++++ 1032061	+++++ 1489480	291262	580927	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
1,2-Dichlorobenzene	CBZ	Ave	+++++ 740274	8627 1056396	30410 1994362	208018	447603	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Dodecane	CBZ	Ave	+++++ 682397	+++++ 933862	+++++ 1458172	160828	447896	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
1,2,4-Trichlorobenzene	CBZ	Ave	+++++ 478893	+++++ 795256	7747 1655381	110095	296233	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Hexachlorobutadiene	CBZ	Ave	+++++ 534506	3688 794271	16322 1694003	136745	309134	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Naphthalene	CBZ	Ave	+++++ 1000971	+++++ 1785273	19978 3105052	273749	723129	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,2,3-Trichlorobenzene	CBZ	Ave	+++++ 391619	298 668097	5708 1422982	83282	245023	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

Curve Type Legend:
Ave = Average ISTD

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\8605_003.D
Lims ID: ic
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 17-Jul-2014 12:55:30 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0008605-003
Misc. Info.: ic-01
Operator ID: wrd Instrument ID: CHC.i
Sublist: chrom-TO15_LLNJ_TO3_CHC*sub2

Method: \\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\TO15_LLNJ_TO3_CHC.m
Limit Group: AI_TO15_ICAL
Last Update: 21-Jul-2014 11:27:32 Calib Date: 18-Jul-2014 09:36:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\8605_018.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK025

First Level Reviewer: daiglep Date: 17-Jul-2014 15:53:27

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	3.004	3.004	0.000	78	667	0.0401	0.1120	
2 Dichlorodifluoromethane	85	3.074	3.074	0.000	96	1639	0.0401	0.0521	
6 Chlorodifluoromethane	51	3.132	3.132	0.000	26	642	0.0401	0.0456	
7 1,2-Dichloro-1,1,2,2-tetra	85	3.346	3.351	-0.005	90	1272	0.0401	0.0467	
8 Chloromethane	50	3.490	3.495	-0.005	6	512	0.0401	0.0684	
9 Butane	43	3.698	3.698	0.000	1	533	0.0401	0.0439	
10 Vinyl chloride	62	3.746	3.746	0.000	1	294	0.0401	0.0321	
11 Butadiene	54	3.821	3.826	-0.005	10	227	0.0401	0.0330	
12 Bromomethane	94	4.536	4.536	0.000	27	380	0.0401	0.0406	
13 Chloroethane	64		4.792					ND	
14 2-Methylbutane	43		4.862					ND	
15 Vinyl bromide	106		5.192					ND	
16 Trichlorofluoromethane	101	5.294	5.299	-0.005	19	1552	0.0401	0.0461	
17 Pentane	43	5.427	5.449	-0.022	1	612	0.0401	0.0493	
19 Ethanol	45	5.961	5.945	0.016	0	65	0.0802	0.0264	
21 Ethyl ether	59		6.004					ND	
22 Acrolein	56		6.409					ND	
23 1,1,2-Trichloro-1,2,2-trif	101	6.425	6.415	0.010	1	354	0.0401	0.0188	
24 1,1-Dichloroethene	96		6.463					ND	
25 Acetone	43	6.761	6.740	0.021	85	8946	0.0401	0.7310	
26 Carbon disulfide	76	6.836	6.842	-0.006	37	1007	0.0401	0.0388	
27 Isopropyl alcohol	45	7.092	7.066	0.026	24	570	0.0401	0.0584	
29 3-Chloro-1-propene	41		7.285					ND	
30 Acetonitrile	41		7.450					ND	
31 Methylene Chloride	49	7.589	7.589	0.000	44	1033	0.0401	0.1195	
32 2-Methyl-2-propanol	59	7.898	7.856	0.042	8	1534	0.0401	0.0953	
33 Methyl tert-butyl ether	73	8.042	8.005	0.037	1	1091	0.0401	0.0418	
34 trans-1,2-Dichloroethene	61	8.032	8.032	0.000	1	290	0.0401	0.0236	
35 Acrylonitrile	53		8.219					ND	
36 Hexane	57	8.411	8.421	-0.010	1	206	0.0401	0.0183	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
37 1,1-Dichloroethane	63	8.939	8.934	0.005	1	563	0.0401	0.0343	
38 Vinyl acetate	43	9.030	9.035	-0.005	55	690	0.0401	0.0338	
39 cis-1,2-Dichloroethene	96	10.076	10.076	0.000	1	233	0.0401	0.0199	
40 2-Butanone (MEK)	72		10.156					ND	
42 Ethyl acetate	88		10.193					ND	
S 41 1,2-Dichloroethene, Total	61				0		0.0802	0.0435	
* 43 Chlorobromomethane	128	10.551	10.551	0.000	89	101568	10.0	10.0	
44 Tetrahydrofuran	42	10.615	10.567	0.048	1	69	0.0401	0.006778	
45 Chloroform	83	10.689	10.700	-0.011	1	804	0.0401	0.0293	
46 Cyclohexane	84	10.924	10.914	0.010	1	153	0.0401	0.009846	
47 1,1,1-Trichloroethane	97	10.956	10.962	-0.006	1	577	0.0401	0.0178	
48 Carbon tetrachloride	117	11.196	11.207	-0.011	26	1448	0.0401	0.0413	
51 Isooctane	57	11.655	11.655	0.000	40	3031	0.0401	0.0495	
50 Benzene	78	11.687	11.693	-0.006	79	2081	0.0401	0.0528	
52 1,2-Dichloroethane	62		11.896					ND	
53 n-Heptane	43	12.066	12.066	0.000	1	669	0.0401	0.0275	
* 54 1,4-Difluorobenzene	114	12.568	12.568	0.000	96	621998	10.0	10.0	
55 n-Butanol	56		13.011					ND	
56 Trichloroethene	95	13.038	13.032	0.006	1	736	0.0401	0.0341	M
A 57 GRO	1	13.171	(4.852-21.491)		0	222464	0.0401	0	
58 1,2-Dichloropropane	63		13.609					ND	
59 Methyl methacrylate	69		13.801					ND	
60 1,4-Dioxane	88		13.860					ND	
61 Dibromomethane	174	13.881	13.870	0.011	1	296	0.0401	0.0170	
62 Dichlorobromomethane	83	14.174	14.180	-0.006	90	1540	0.0401	0.0371	
A 63 TVOC as Toluene	1	14.884	(2.994-26.774)		0	429660	0.0401	12.2	
64 cis-1,3-Dichloropropene	75	15.124	15.130	-0.006	1	999	0.0401	0.0332	
65 4-Methyl-2-pentanone (MIBK	43	15.461	15.434	0.027	12	1589	0.0401	0.0393	
A 67 Toluene Range	1	15.712	(15.672-15.752)		0	4869	NC	NC	
66 Toluene	92	15.711	15.712	-0.001	92	1610	0.0401	0.0470	
68 n-Octane	43	15.765	15.770	-0.005	17	2051	0.0401	0.0494	
A 69 C8 Range	1	15.787	(15.769-16.270)		0	4654	NC	NC	
70 trans-1,3-Dichloropropene	75	16.331	16.331	0.000	43	1577	0.0401	0.0456	
71 1,1,2-Trichloroethane	83		16.704					ND	
72 Tetrachloroethene	166	16.784	16.790	-0.006	34	1140	0.0401	0.0433	M
73 2-Hexanone	43	17.163	17.168	-0.005	0	639	0.0401	0.0166	
74 Chlorodibromomethane	129	17.457	17.462	-0.005	1	1194	0.0401	0.0320	
75 Ethylene Dibromide	107	17.723	17.729	-0.006	35	1291	0.0401	0.0391	
* 76 Chlorobenzene-d5	117	18.620	18.625	-0.005	90	604858	10.0	10.0	
77 Chlorobenzene	112	18.684	18.684	0.000	91	2223	0.0401	0.0493	
78 Ethylbenzene	91	18.828	18.834	-0.006	1	4009	0.0401	0.0525	
79 n-Nonane	57	18.951	18.956	-0.005	86	1624	0.0401	0.0416	
81 m-Xylene & p-Xylene	106	19.095	19.090	0.005	52	1144	0.0802	0.0403	
83 o-Xylene	106	19.933	19.928	0.005	89	1254	0.0401	0.0424	
84 Styrene	104	19.970	19.981	-0.011	92	1507	0.0401	0.0356	
S 82 Xylenes, Total	106				0		0.1203	0.0827	
85 Bromoform	173	20.397	20.397	0.000	13	1021	0.0401	0.0298	
86 Isopropylbenzene	105	20.595	20.595	0.000	94	3715	0.0401	0.0446	
$ 87 4-Bromofluorobenzene	95	20.963	20.963	0.000	81	468083	NC	NC	
88 1,1,2,2-Tetrachloroethane	83	21.246	21.251	-0.005	91	2231	0.0401	0.0470	
90 N-Propylbenzene	91	21.305	21.310	-0.005	98	4944	0.0401	0.0482	
89 1,2,3-Trichloropropane	75	21.342	21.347	-0.005	91	1818	0.0401	0.0466	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
93 n-Decane	57	21.481	21.481	0.000	23	1793	0.0401	0.0399	
91 4-Ethyltoluene	105	21.497	21.497	0.000	88	3786	0.0401	0.0485	
92 2-Chlorotoluene	91	21.502	21.507	-0.005	91	3848	0.0401	0.0529	
94 1,3,5-Trimethylbenzene	105	21.603	21.603	0.000	89	3036	0.0401	0.0425	
95 Alpha Methyl Styrene	118	21.961	21.966	-0.005	92	843	0.0401	0.0265	
96 tert-Butylbenzene	119	22.084	22.084	0.000	89	3109	0.0401	0.0473	
97 1,2,4-Trimethylbenzene	105	22.180	22.180	0.000	93	2950	0.0401	0.0414	
98 sec-Butylbenzene	105	22.404	22.409	-0.005	96	4561	0.0401	0.0463	
99 4-Isopropyltoluene	119	22.601	22.607	-0.006	93	3377	0.0401	0.0421	
100 1,3-Dichlorobenzene	146	22.639	22.639	0.000	92	1576	0.0401	0.0349	
101 1,4-Dichlorobenzene	146	22.767	22.772	-0.005	87	1665	0.0401	0.0361	
102 Benzyl chloride	91	22.975	22.970	0.005	93	2143	0.0401	0.0340	
103 n-Butylbenzene	91	23.178	23.173	0.006	93	2478	0.0401	0.0316	
104 Undecane	57	23.194	23.194	0.000	35	498	0.0401	0.0104	
105 1,2-Dichlorobenzene	146	23.306	23.301	0.005	90	1640	0.0401	0.0369	
106 Dodecane	57		24.779					ND	
107 1,2,4-Trichlorobenzene	180		25.798					ND	
108 Hexachlorobutadiene	225		25.985					ND	
109 Naphthalene	128	26.289	26.289	0.000	93	1134	0.0401	0.0191	
110 1,2,3-Trichlorobenzene	180		26.764					ND	

QC Flag Legend

Processing Flags
NC - Not Calibrated
ND - Not Detected or Marked ND

Review Flags
M - Manually Integrated

Reagents:

ATTO15CAL1w_00105	Amount Added: 40.00	Units: mL	
ATTO15CISs_00006	Amount Added: 20.00	Units: mL	Run Reagent

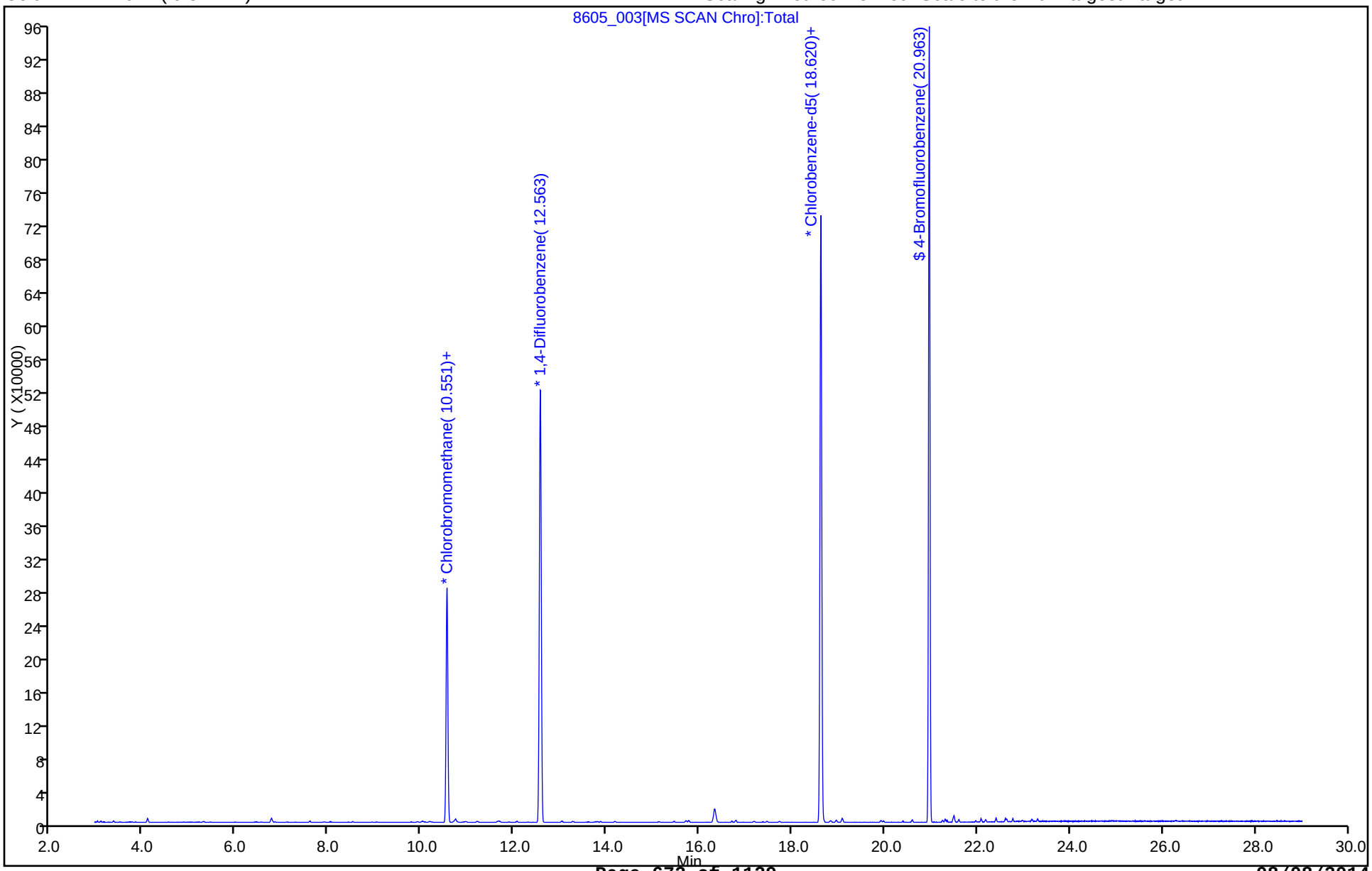
Report Date: 21-Jul-2014 11:27:33 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\8605_003.D

Injection Date:	17-Jul-2014 12:55:30	Instrument ID:	CHC.i	Operator ID:	wrd
Lims ID:	ic			Worklist Smp#:	3
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	2
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



Manual Integration/User Assign Peak Report

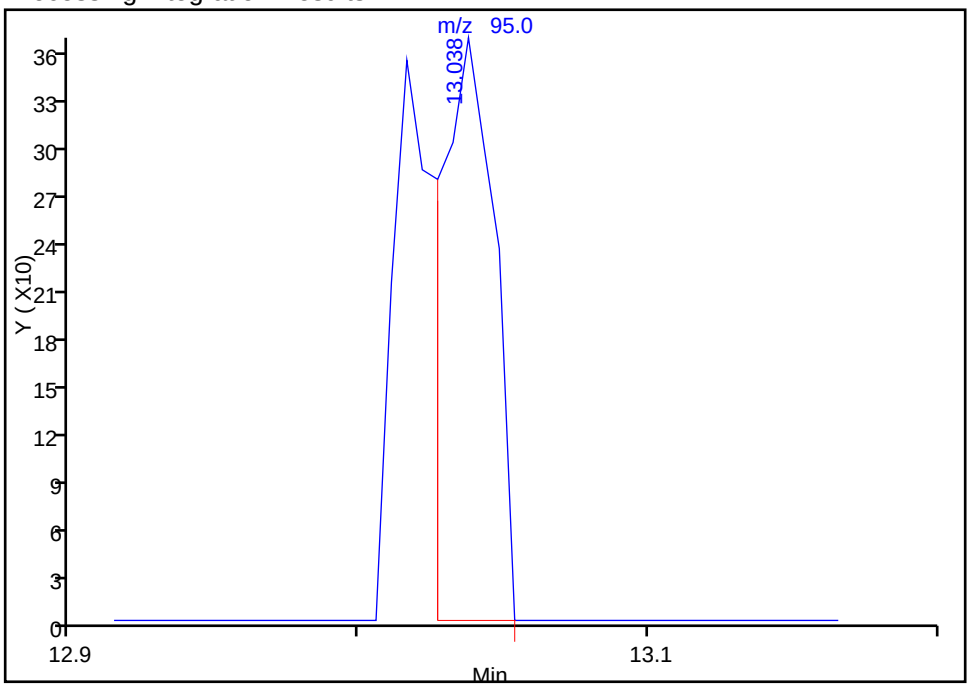
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\8605_003.D				
Injection Date:	17-Jul-2014 12:55:30	Instrument ID:	CHC.i		
Lims ID:	ic				
Client ID:					
Operator ID:	wrd	ALS Bottle#:	2	Worklist Smp#:	3
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

56 Trichloroethene, CAS: 79-01-6

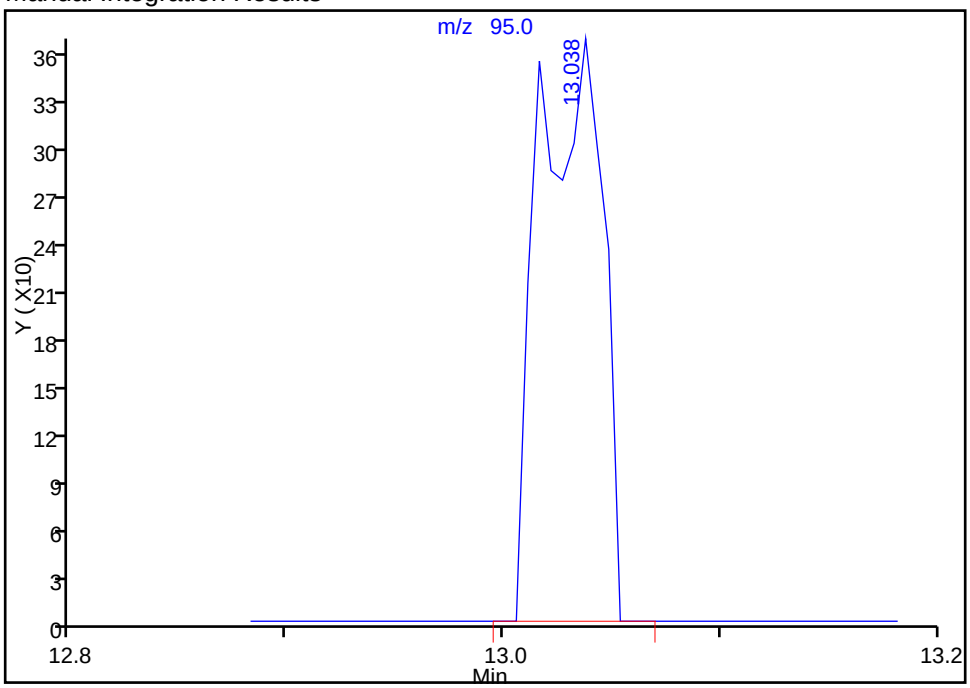
Processing Integration Results

RT: 13.04
Response: 467
Amount: 0.022644



Manual Integration Results

RT: 13.04
Response: 736
Amount: 0.034074



Reviewer: daiglep, 17-Jul-2014 15:53:27
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

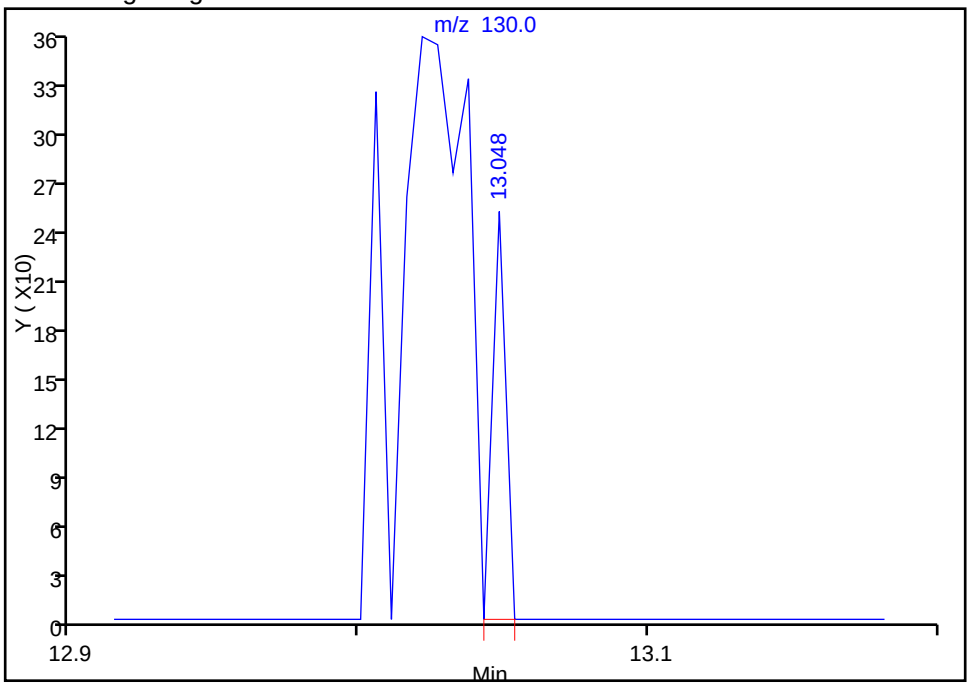
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\8605_003.D
Injection Date: 17-Jul-2014 12:55:30 Instrument ID: CHC.i
Lims ID: ic
Client ID:
Operator ID: wrd ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHC Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

56 Trichloroethene, CAS: 79-01-6

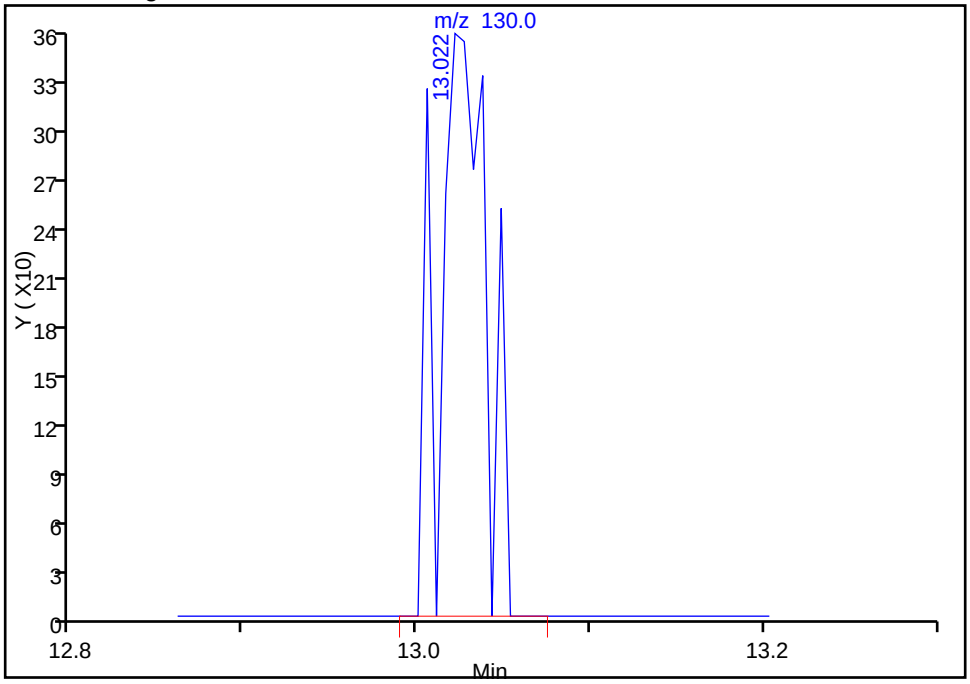
Processing Integration Results

RT: 13.05
Response: 81
Amount: 0.022644



Manual Integration Results

RT: 13.02
Response: 693
Amount: 0.034074



Reviewer: daiglep, 17-Jul-2014 15:53:27
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

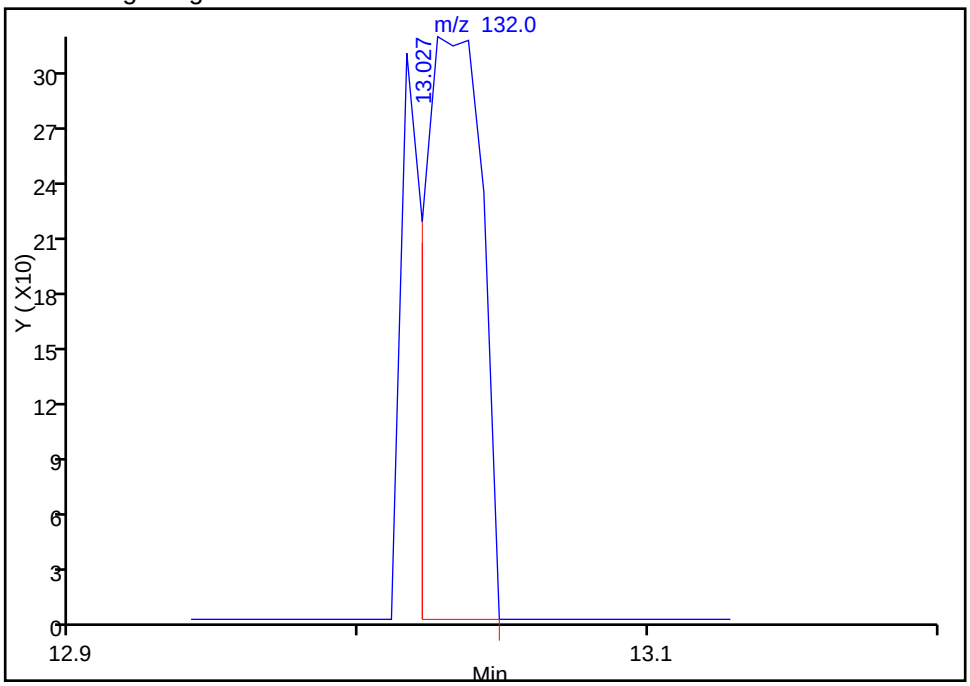
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\8605_003.D				
Injection Date:	17-Jul-2014 12:55:30	Instrument ID:	CHC.i		
Lims ID:	ic				
Client ID:					
Operator ID:	wrd	ALS Bottle#:	2	Worklist Smp#:	3
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

56 Trichloroethene, CAS: 79-01-6

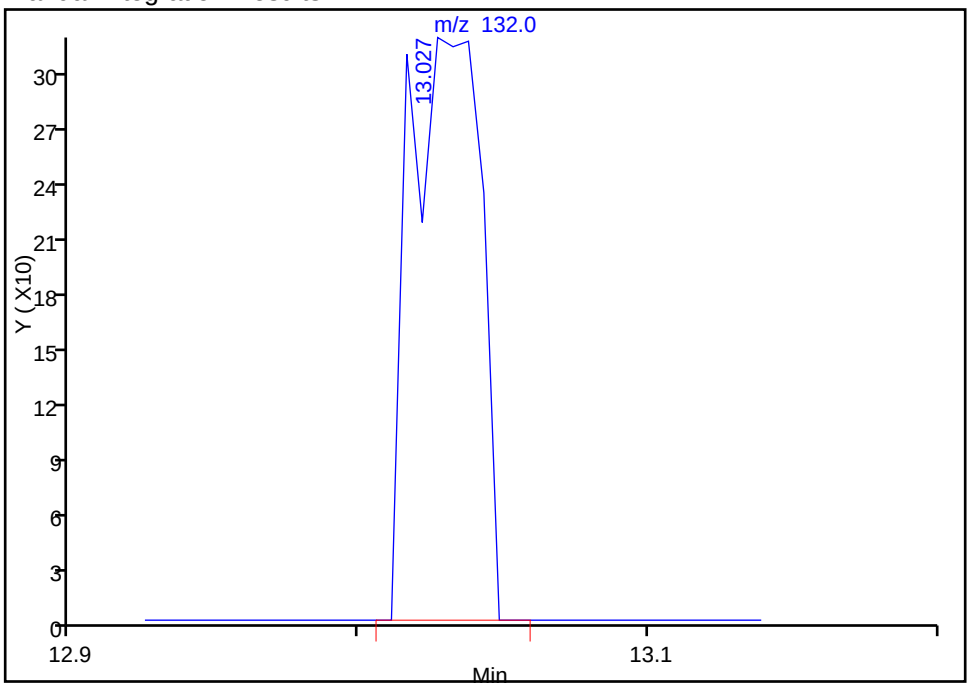
Processing Integration Results

RT: 13.03
Response: 443
Amount: 0.022644



Manual Integration Results

RT: 13.03
Response: 541
Amount: 0.034074



Reviewer: daiglep, 17-Jul-2014 15:53:27
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

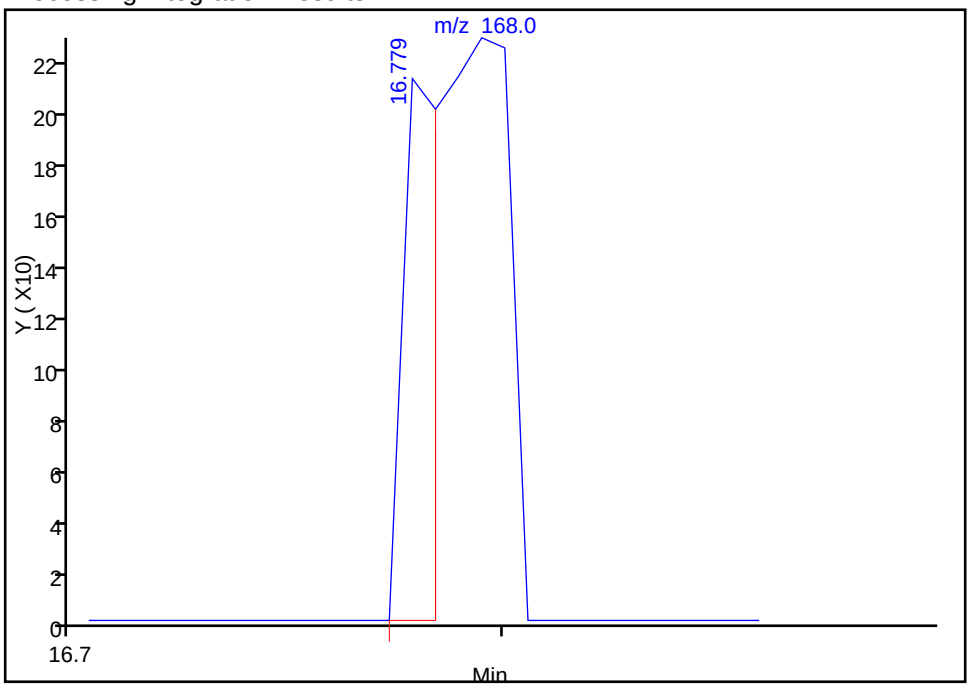
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\8605_003.D				
Injection Date:	17-Jul-2014 12:55:30	Instrument ID:	CHC.i		
Lims ID:	ic				
Client ID:					
Operator ID:	wrd	ALS Bottle#:	2	Worklist Smp#:	3
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

72 Tetrachloroethene, CAS: 127-18-4

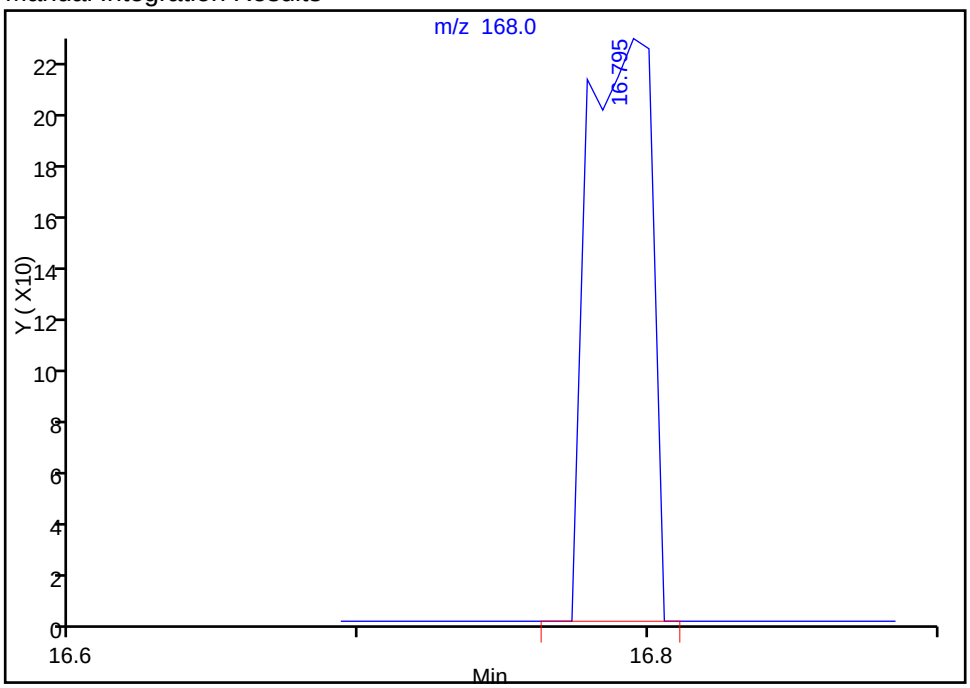
Processing Integration Results

RT: 16.78
Response: 132
Amount: 0.043330



Manual Integration Results

RT: 16.79
Response: 345
Amount: 0.043330



Reviewer: daiglep, 18-Jul-2014 11:14:25
Audit Action: Manually Integrated
Audit Reason: Baseline Event

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\8605_004.D
Lims ID: ic
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 17-Jul-2014 13:48:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0008605-004
Misc. Info.: ic-02
Operator ID: wrd Instrument ID: CHC.i
Sublist: chrom-TO15_LLNJ_TO3_CHC*sub2

Method: \\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\TO15_LLNJ_TO3_CHC.m
Limit Group: AI_TO15_ICAL
Last Update: 21-Jul-2014 11:27:34 Calib Date: 18-Jul-2014 09:36:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\8605_018.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK025

First Level Reviewer: daiglep Date: 17-Jul-2014 15:54:03

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	3.010	3.004	0.006	95	1801	0.2004	0.3193	
2 Dichlorodifluoromethane	85	3.079	3.074	0.005	98	7257	0.2004	0.2437	
6 Chlorodifluoromethane	51	3.133	3.132	0.001	94	3265	0.2004	0.2449	
7 1,2-Dichloro-1,1,2,2-tetra	85	3.351	3.351	0.000	91	5740	0.2004	0.2228	
8 Chloromethane	50	3.496	3.495	0.001	95	1767	0.2004	0.2495	
9 Butane	43	3.704	3.698	0.006	98	2884	0.2004	0.2509	
10 Vinyl chloride	62	3.746	3.746	0.000	95	2055	0.2004	0.2370	
11 Butadiene	54	3.826	3.826	0.000	93	1394	0.2004	0.2141	
12 Bromomethane	94	4.542	4.536	0.006	93	1677	0.2004	0.1893	
13 Chloroethane	64	4.787	4.792	-0.005	1	769	0.2004	0.2034	
14 2-Methylbutane	43	4.862	4.862	0.000	56	1741	0.2004	0.2478	M
15 Vinyl bromide	106	5.193	5.192	0.001	97	1903	0.2004	0.2183	
16 Trichlorofluoromethane	101	5.305	5.299	0.006	85	7057	0.2004	0.2217	
17 Pentane	43	5.443	5.449	-0.006	92	3006	0.2004	0.2559	
19 Ethanol	45	5.972	5.945	0.027	98	3062	0.4009	1.31	M
21 Ethyl ether	59	6.020	6.004	0.016	28	899	0.2004	0.1791	M
22 Acrolein	56	6.420	6.409	0.011	58	1177	0.2004	0.5491	
23 1,1,2-Trichloro-1,2,2-trif	101	6.420	6.415	0.005	94	3535	0.2004	0.1984	
24 1,1-Dichloroethene	96	6.463	6.463	0.000	95	1558	0.2004	0.1860	
25 Acetone	43	6.751	6.740	0.011	86	35912	0.2004	3.10	
26 Carbon disulfide	76	6.842	6.842	0.000	98	5116	0.2004	0.2080	
27 Isopropyl alcohol	45	7.109	7.066	0.043	96	2416	0.2004	0.2615	
29 3-Chloro-1-propene	41	7.285	7.285	0.000	27	2178	0.2004	0.2473	
30 Acetonitrile	41	7.455	7.450	0.005	72	882	0.2004	0.1969	M
31 Methylene Chloride	49	7.589	7.589	0.000	89	2406	0.2004	0.2940	
32 2-Methyl-2-propanol	59	7.893	7.856	0.037	98	7638	0.2004	0.5011	
33 Methyl tert-butyl ether	73	8.032	8.005	0.027	89	5202	0.2004	0.2108	M
34 trans-1,2-Dichloroethene	61	8.032	8.032	0.000	85	2723	0.2004	0.2343	
35 Acrylonitrile	53	8.219	8.219	0.001	92	936	0.2004	0.1960	M
36 Hexane	57	8.411	8.421	-0.010	61	2300	0.2004	0.2156	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
37 1,1-Dichloroethane	63	8.939	8.934	0.005	91	3684	0.2004	0.2368	M
38 Vinyl acetate	43	9.035	9.035	0.000	98	4554	0.2004	0.2356	M
39 cis-1,2-Dichloroethene	96	10.081	10.076	0.005	96	2392	0.2004	0.2155	M
40 2-Butanone (MEK)	72	10.172	10.156	0.016	99	2054	0.2004	0.4022	
42 Ethyl acetate	88		10.193					ND	
S 41 1,2-Dichloroethene, Total	61				0		0.4009	0.4499	
* 43 Chlorobromomethane	128	10.551	10.551	0.000	91	96148	10.0	10.0	
44 Tetrahydrofuran	42	10.599	10.567	0.032	90	2456	0.2004	0.2555	
45 Chloroform	83	10.700	10.700	0.000	97	5787	0.2004	0.2224	M
46 Cyclohexane	84	10.908	10.914	-0.006	42	3108	0.2004	0.2118	M
47 1,1,1-Trichloroethane	97	10.957	10.962	-0.006	95	6710	0.2004	0.2197	
48 Carbon tetrachloride	117	11.197	11.207	-0.010	97	7005	0.2004	0.2115	
51 Isooctane	57	11.656	11.655	0.001	97	13571	0.2004	0.2348	
50 Benzene	78	11.693	11.693	0.000	96	8748	0.2004	0.2351	
52 1,2-Dichloroethane	62	11.896	11.896	0.000	94	4544	0.2004	0.2156	
53 n-Heptane	43	12.056	12.066	-0.010	93	5445	0.2004	0.2367	M
* 54 1,4-Difluorobenzene	114	12.568	12.568	0.000	96	587290	10.0	10.0	
55 n-Butanol	56	13.049	13.011	0.038	32	2012	0.2004	0.2719	
56 Trichloroethene	95	13.027	13.032	-0.005	93	4391	0.2004	0.2153	M
A 57 GRO	1	13.171	(4.852-21.491)		0	1284210	0.2004	0	
58 1,2-Dichloropropane	63	13.604	13.609	-0.005	84	3947	0.2004	0.2135	M
59 Methyl methacrylate	69	13.790	13.801	-0.011	91	3043	0.2004	0.1798	
60 1,4-Dioxane	88	13.902	13.860	0.042	10	920	0.2004	0.1337	
61 Dibromomethane	174	13.865	13.870	-0.005	89	2986	0.2004	0.1821	
62 Dichlorobromomethane	83	14.185	14.180	0.005	98	7861	0.2004	0.2006	
A 63 TVOC as Toluene	1	14.884	(2.994-26.774)		0	2058487	0.2004	61.9	
64 cis-1,3-Dichloropropene	75	15.130	15.130	0.000	93	5470	0.2004	0.1927	
65 4-Methyl-2-pentanone (MIBK	43	15.440	15.434	0.006	96	7959	0.2004	0.2086	
A 67 Toluene Range	1	15.712	(15.672-15.752)		0	26042	NC	NC	
66 Toluene	92	15.706	15.712	-0.006	94	7183	0.2004	0.2220	
68 n-Octane	43	15.770	15.770	0.000	92	8816	0.2004	0.2250	M
A 69 C8 Range	1	15.782	(15.769-16.270)		0	32324	NC	NC	
70 trans-1,3-Dichloropropene	75	16.336	16.331	0.005	46	8068	0.2004	0.2470	
71 1,1,2-Trichloroethane	83	16.704	16.704	0.000	87	3546	0.2004	0.2037	
72 Tetrachloroethene	166	16.784	16.790	-0.006	90	5085	0.2004	0.2045	M
73 2-Hexanone	43	17.179	17.168	0.011	97	8641	0.2004	0.2372	
74 Chlorodibromomethane	129	17.457	17.462	-0.005	97	6250	0.2004	0.1772	
75 Ethylene Dibromide	107	17.734	17.729	0.005	97	6202	0.2004	0.1987	
* 76 Chlorobenzene-d5	117	18.626	18.625	0.001	90	571534	10.0	10.0	
77 Chlorobenzene	112	18.684	18.684	0.000	92	8939	0.2004	0.2100	
78 Ethylbenzene	91	18.834	18.834	0.000	98	15752	0.2004	0.2183	
79 n-Nonane	57	18.951	18.956	-0.005	92	7895	0.2004	0.2139	M
81 m-Xylene & p-Xylene	106	19.085	19.090	-0.005	97	11839	0.4009	0.4413	
83 o-Xylene	106	19.923	19.928	-0.006	91	5711	0.2004	0.2043	
84 Styrene	104	19.976	19.981	-0.005	95	7255	0.2004	0.1813	
S 82 Xylenes, Total	106				0		0.6013	0.6456	
85 Bromoform	173	20.392	20.397	-0.005	91	5328	0.2004	0.1646	
86 Isopropylbenzene	105	20.595	20.595	0.000	97	17545	0.2004	0.2227	
$ 87 4-Bromofluorobenzene	95	20.963	20.963	0.000	80	459016	NC	NC	
88 1,1,2,2-Tetrachloroethane	83	21.257	21.251	0.006	95	9517	0.2004	0.2122	
90 N-Propylbenzene	91	21.305	21.310	-0.005	98	21938	0.2004	0.2266	
89 1,2,3-Trichloropropane	75	21.347	21.347	0.000	96	8608	0.2004	0.2335	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
93 n-Decane	57	21.476	21.481	-0.005	89	10260	0.2004	0.2416	M
91 4-Ethyltoluene	105	21.497	21.497	0.000	89	17123	0.2004	0.2322	
92 2-Chlorotoluene	91	21.502	21.507	-0.005	89	16712	0.2004	0.2432	
94 1,3,5-Trimethylbenzene	105	21.604	21.603	0.001	92	14864	0.2004	0.2201	
95 Alpha Methyl Styrene	118	21.967	21.966	0.001	85	4552	0.2004	0.1516	
96 tert-Butylbenzene	119	22.084	22.084	0.000	90	13661	0.2004	0.2201	
97 1,2,4-Trimethylbenzene	105	22.180	22.180	0.000	98	14525	0.2004	0.2159	
98 sec-Butylbenzene	105	22.410	22.409	0.001	98	21154	0.2004	0.2274	
99 4-Isopropyltoluene	119	22.607	22.607	0.000	96	16095	0.2004	0.2124	
100 1,3-Dichlorobenzene	146	22.634	22.639	-0.005	91	8924	0.2004	0.2091	
101 1,4-Dichlorobenzene	146	22.767	22.772	-0.005	90	8758	0.2004	0.2010	
102 Benzyl chloride	91	22.970	22.970	0.000	97	11981	0.2004	0.2010	
103 n-Butylbenzene	91	23.178	23.173	0.006	98	15125	0.2004	0.2041	
104 Undecane	57	23.194	23.194	0.000	94	7732	0.2004	0.1713	
105 1,2-Dichlorobenzene	146	23.306	23.301	0.005	92	8627	0.2004	0.2056	
106 Dodecane	57		24.779					ND	
107 1,2,4-Trichlorobenzene	180	25.793	25.798	-0.005	1	515	0.2004	0.0206	
108 Hexachlorobutadiene	225	25.991	25.985	0.006	79	3688	0.2004	0.1343	
109 Naphthalene	128	26.295	26.289	0.006	93	2035	0.2004	0.0363	M
110 1,2,3-Trichlorobenzene	180	26.759	26.764	-0.005	1	298	0.2004	0.0168	M

QC Flag Legend

Processing Flags
NC - Not Calibrated
ND - Not Detected or Marked ND

Review Flags
M - Manually Integrated

Reagents:

ATTO15CAL1w_00105	Amount Added: 200.00	Units: mL	
ATTO15CISs_00006	Amount Added: 20.00	Units: mL	Run Reagent

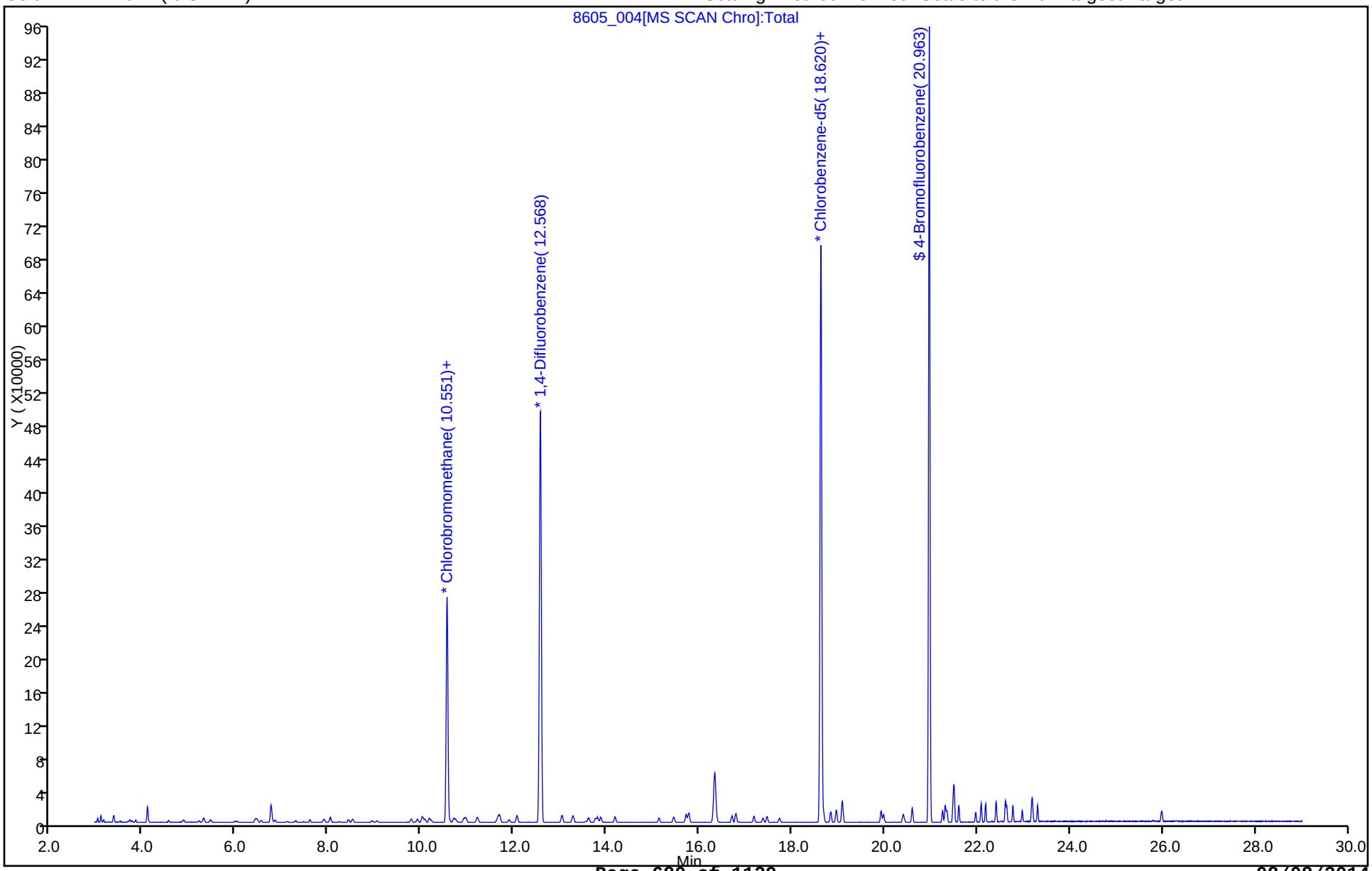
Report Date: 21-Jul-2014 11:27:34 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\8605_004.D

Injection Date:	17-Jul-2014 13:48:30	Instrument ID:	CHC.i	Operator ID:	wrd
Lims ID:	ic			Worklist Smp#:	4
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
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



Manual Integration/User Assign Peak Report

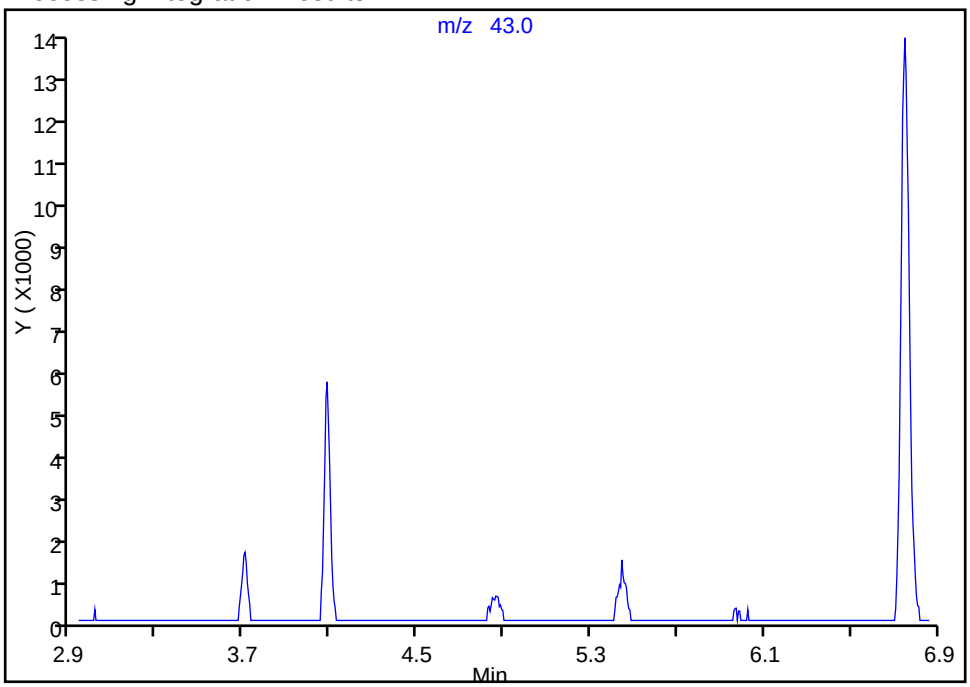
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\8605_004.D				
Injection Date:	17-Jul-2014 13:48:30	Instrument ID:	CHC.i		
Lims ID:	ic				
Client ID:					
Operator ID:	wrd	ALS Bottle#:	3	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

14 2-Methylbutane, CAS: 78-78-4

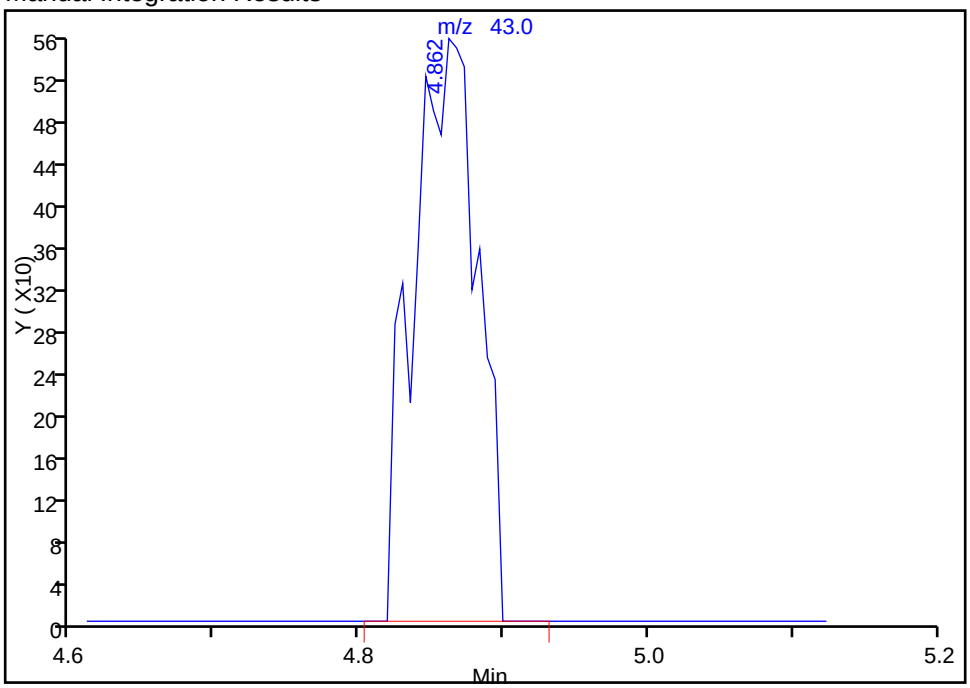
Processing Integration Results

Not Detected
Expected RT: 4.86



Manual Integration Results

RT: 4.86
Response: 1741
Amount: 0.247775



Reviewer: desjardinsb, 18-Jul-2014 08:08:47
Audit Action: Manually Integrated
Audit Reason: Peak not found by the data system

Manual Integration/User Assign Peak Report

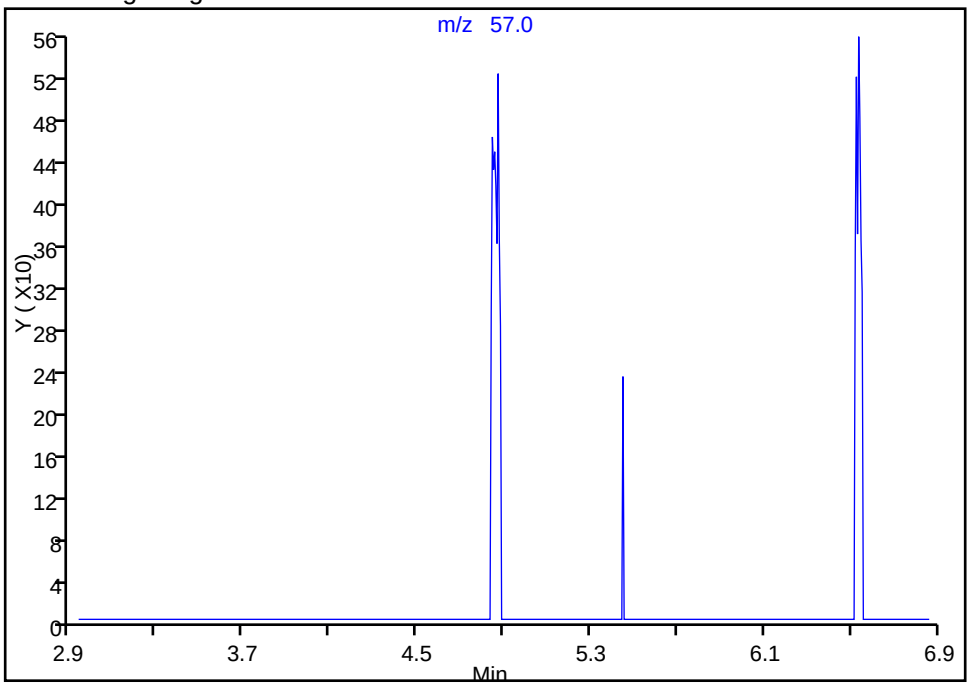
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\8605_004.D				
Injection Date:	17-Jul-2014 13:48:30	Instrument ID:	CHC.i		
Lims ID:	ic				
Client ID:					
Operator ID:	wrd	ALS Bottle#:	3	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

14 2-Methylbutane, CAS: 78-78-4

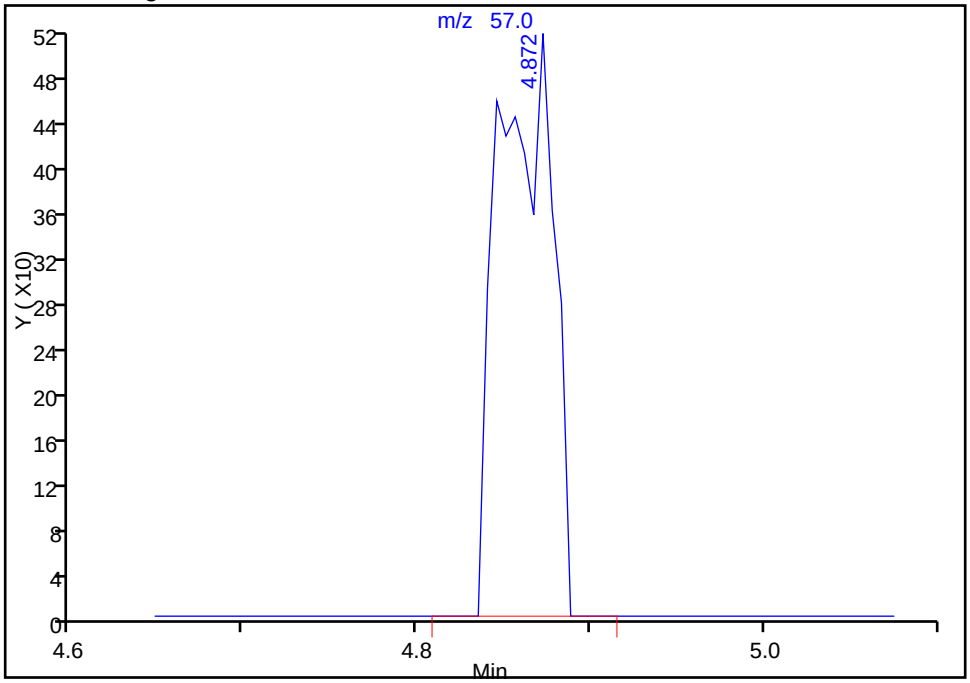
Not Detected
Expected RT: 4.86

Processing Integration Results



Manual Integration Results

RT: 4.87
Response: 1133
Amount: 0.247775



Reviewer: desjardinsb, 18-Jul-2014 08:08:47
Audit Action: Manually Integrated
Audit Reason: Peak not found by the data system

Manual Integration/User Assign Peak Report

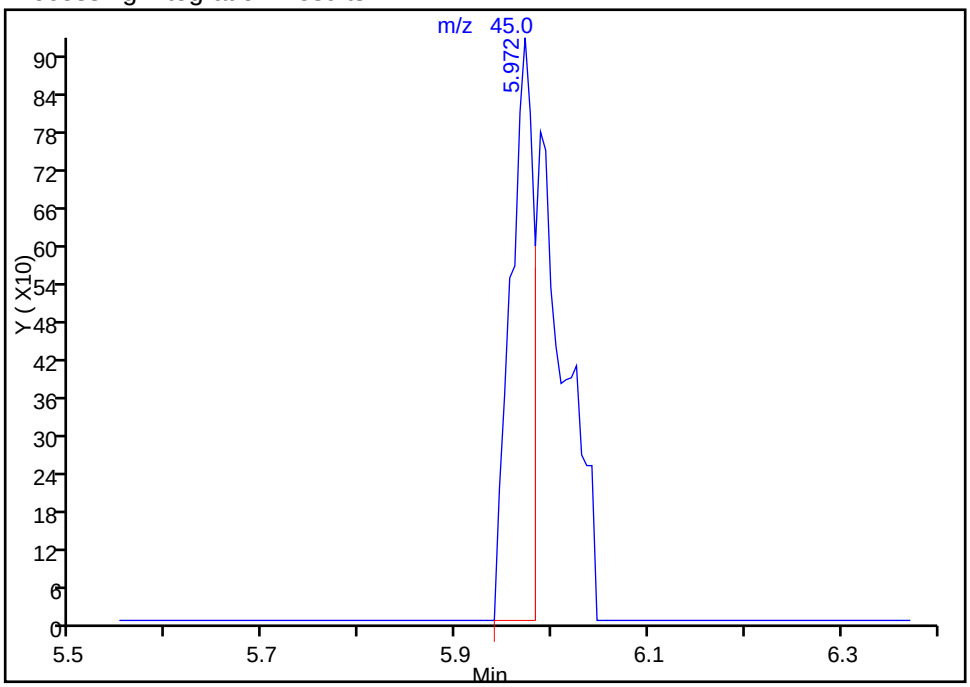
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\8605_004.D				
Injection Date:	17-Jul-2014 13:48:30	Instrument ID:	CHC.i		
Lims ID:	ic				
Client ID:					
Operator ID:	wrd	ALS Bottle#:	3	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

19 Ethanol, CAS: 64-17-5

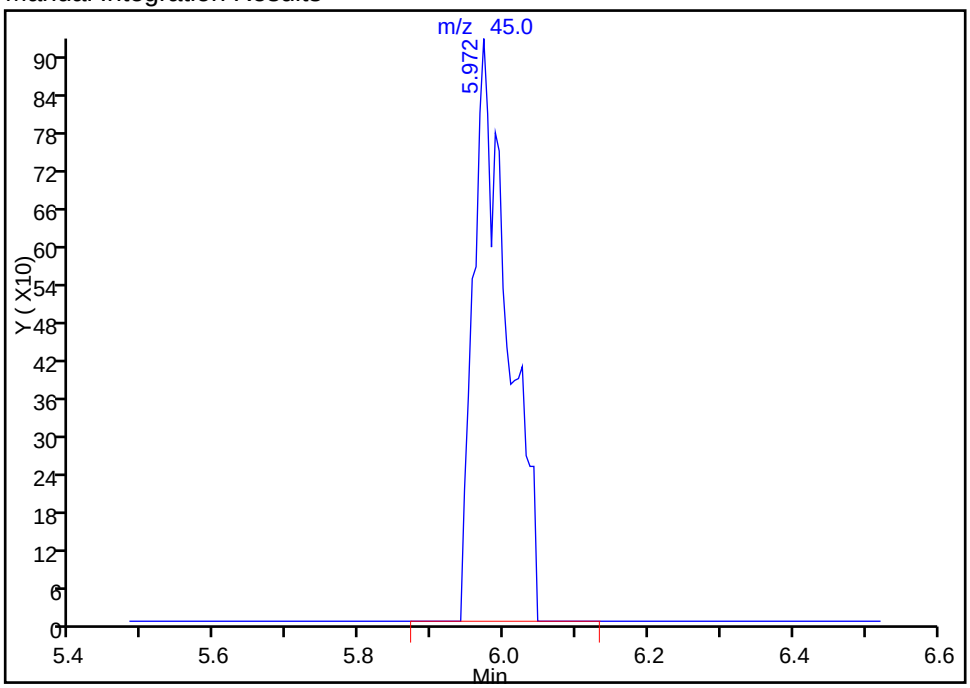
Processing Integration Results

RT: 5.97
Response: 1533
Amount: 0.709052



Manual Integration Results

RT: 5.97
Response: 3062
Amount: 1.312158



Reviewer: daiglep, 18-Jul-2014 11:21:17
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

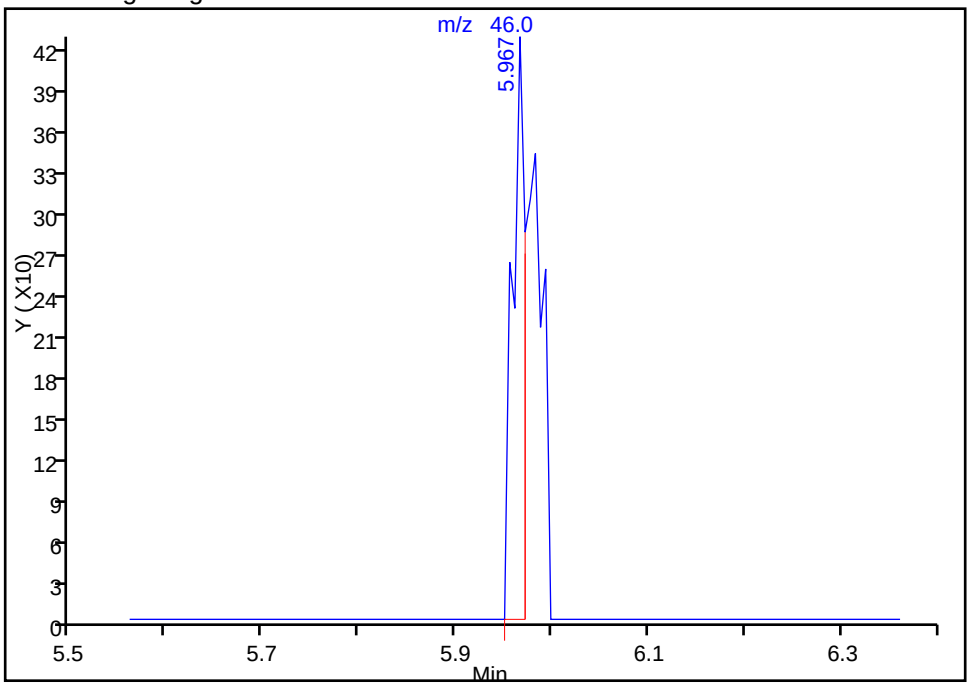
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\8605_004.D				
Injection Date:	17-Jul-2014 13:48:30	Instrument ID:	CHC.i		
Lims ID:	ic				
Client ID:					
Operator ID:	wrd	ALS Bottle#:	3	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

19 Ethanol, CAS: 64-17-5

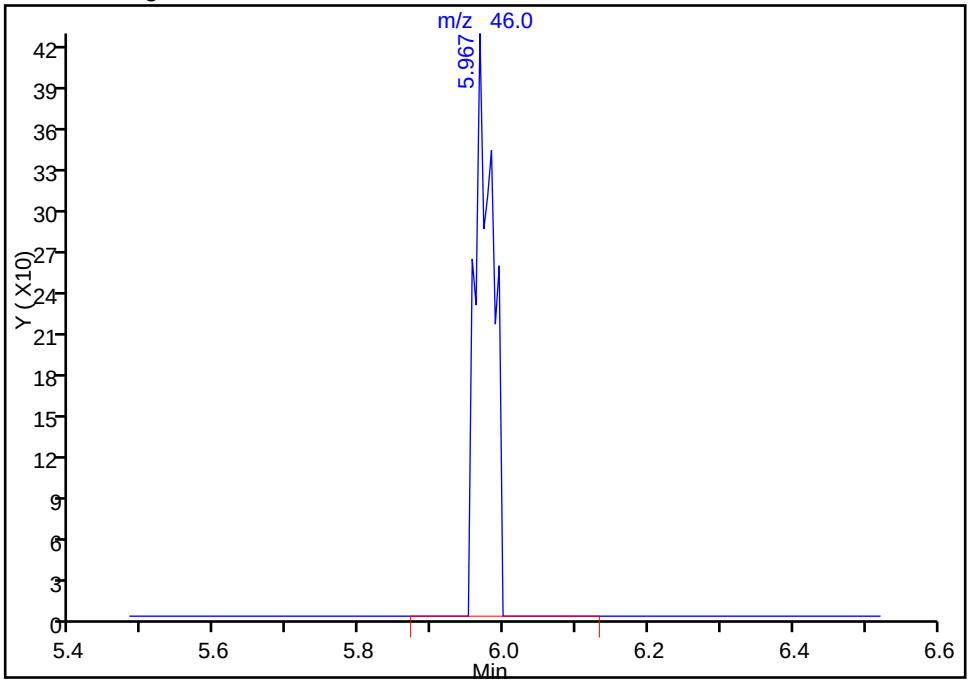
Processing Integration Results

RT: 5.97
Response: 386
Amount: 0.709052



Manual Integration Results

RT: 5.97
Response: 746
Amount: 1.312158



Reviewer: daiglep, 18-Jul-2014 11:21:17
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

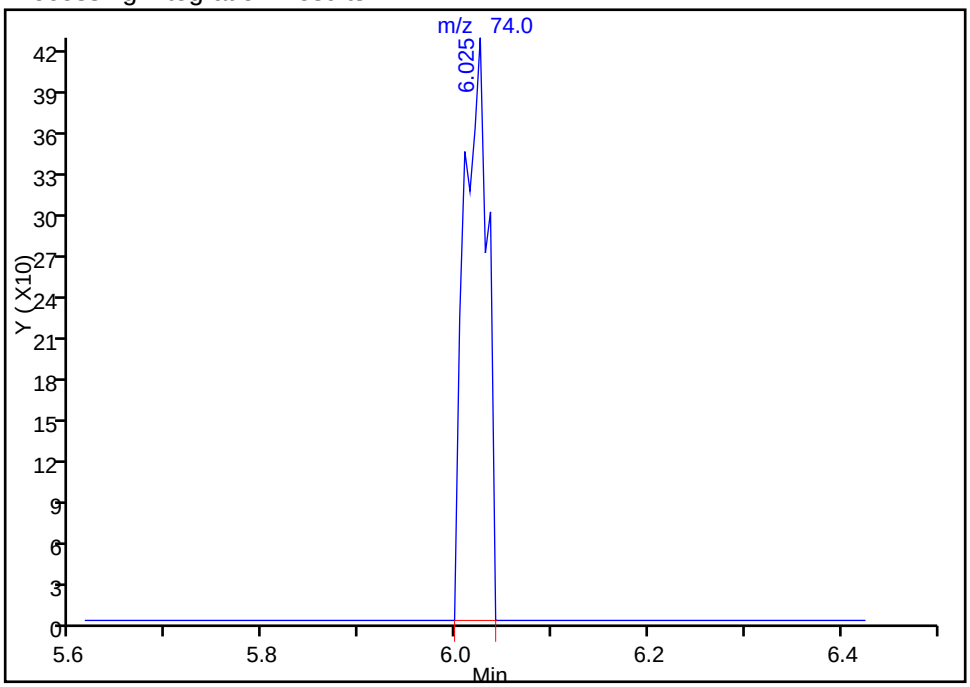
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\8605_004.D				
Injection Date:	17-Jul-2014 13:48:30	Instrument ID:	CHC.i		
Lims ID:	ic				
Client ID:					
Operator ID:	wrd	ALS Bottle#:	3	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

21 Ethyl ether, CAS: 60-29-7

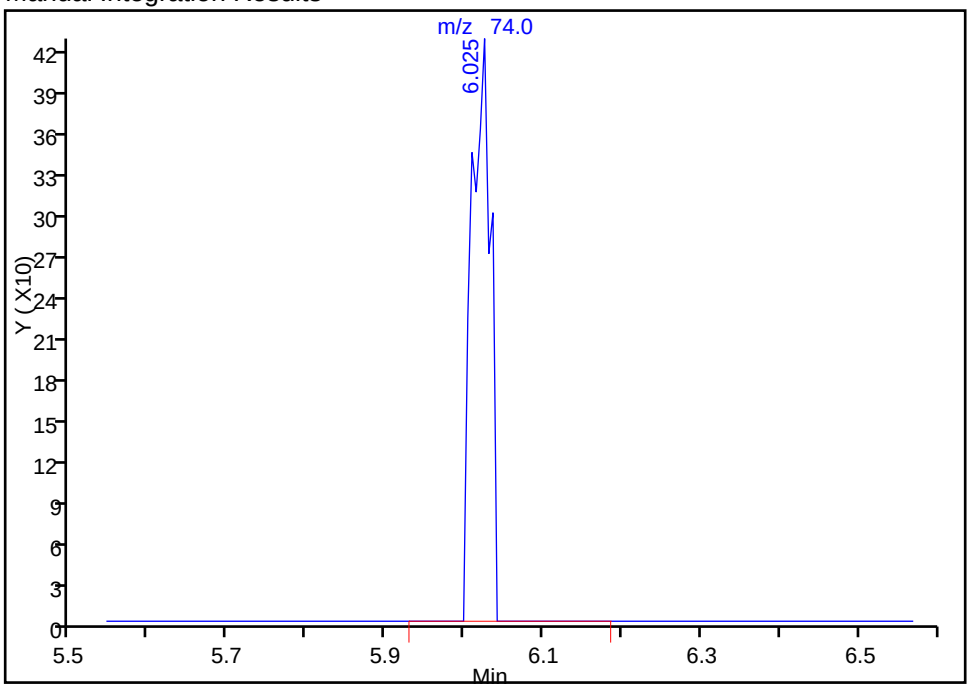
Processing Integration Results

RT: 6.03
Response: 713
Amount: 0.179142



Manual Integration Results

RT: 6.03
Response: 713
Amount: 0.179142



Reviewer: daiglep, 18-Jul-2014 11:21:17
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

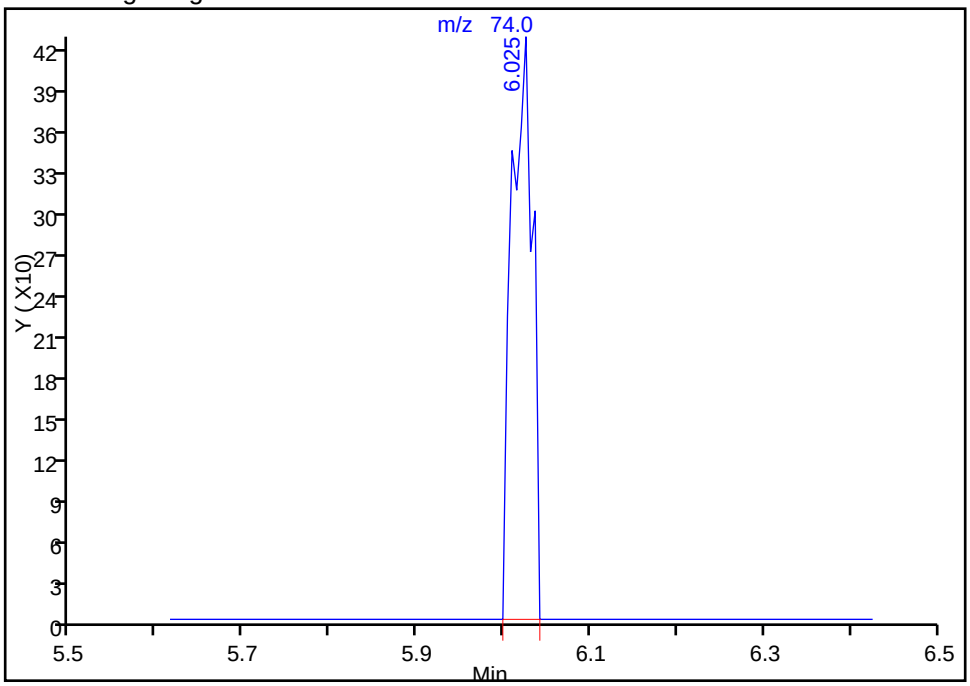
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\8605_004.D				
Injection Date:	17-Jul-2014 13:48:30	Instrument ID:	CHC.i		
Lims ID:	ic				
Client ID:					
Operator ID:	wrd	ALS Bottle#:	3	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

21 Ethyl ether, CAS: 60-29-7

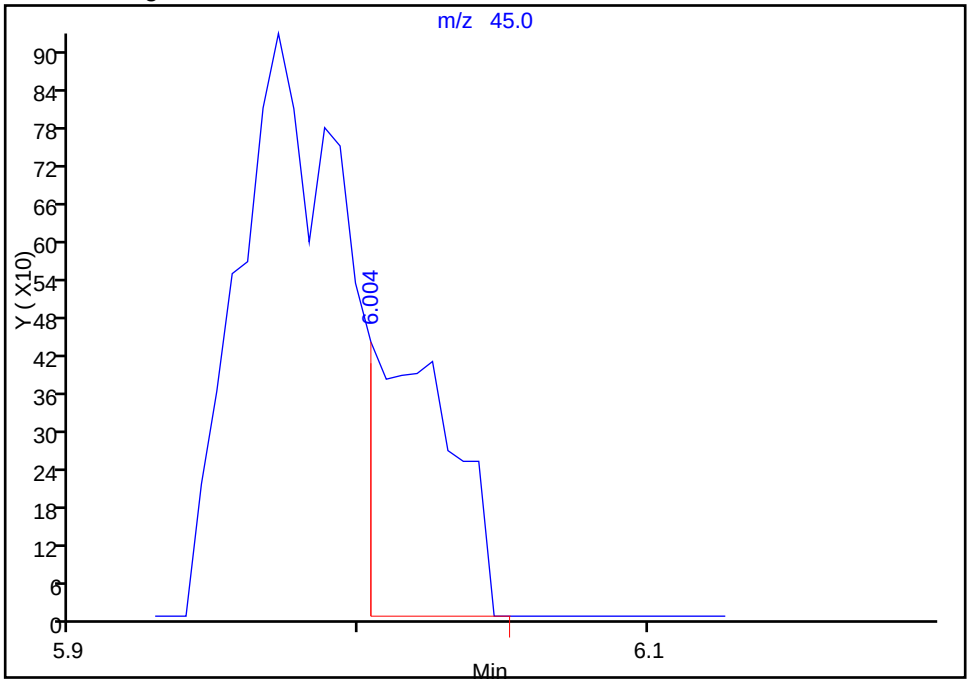
Processing Integration Results

RT: 6.00
Response: 0
Amount: 0.179142



Manual Integration Results

RT: 6.00
Response: 874
Amount: 0.179142



Reviewer: daiglep, 18-Jul-2014 11:21:17
Audit Action: Split an Integrated Peak
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\8605_004.D				
Injection Date:	17-Jul-2014 13:48:30	Instrument ID:	CHC.i		
Lims ID:	ic				
Client ID:					
Operator ID:	wrd	ALS Bottle#:	3	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

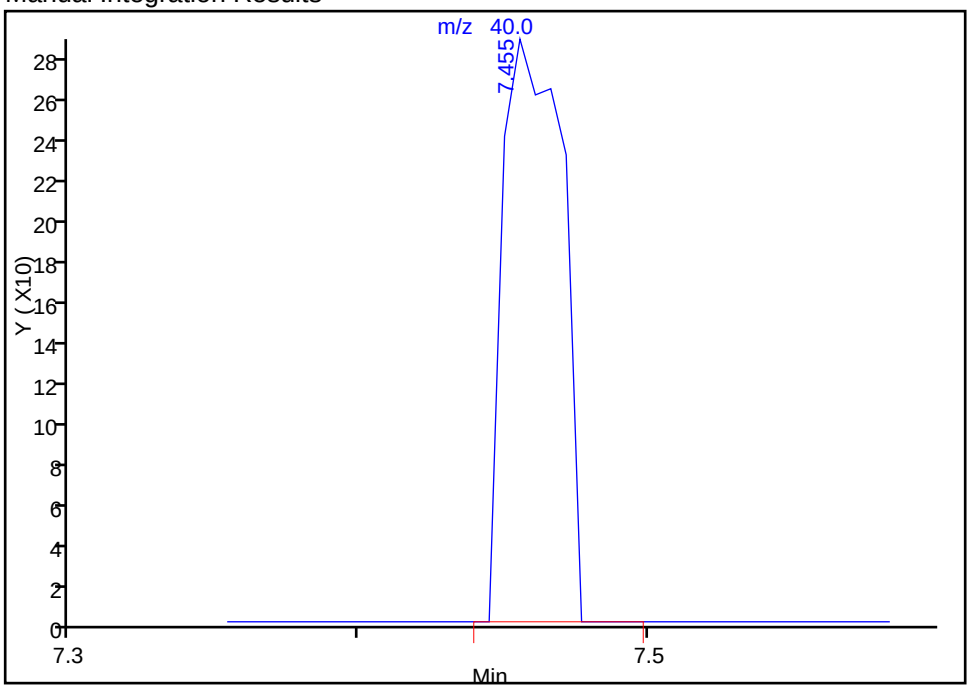
30 Acetonitrile, CAS: 75-05-8

Processing Integration Results

RT: 7.45
Response: 0
Amount: 0.196913

Manual Integration Results

RT: 7.46
Response: 402
Amount: 0.196913



Reviewer: daiglep, 18-Jul-2014 11:21:17
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\8605_004.D
Injection Date: 17-Jul-2014 13:48:30 Instrument ID: CHC.i
Lims ID: ic
Client ID:
Operator ID: wrd ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHC Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

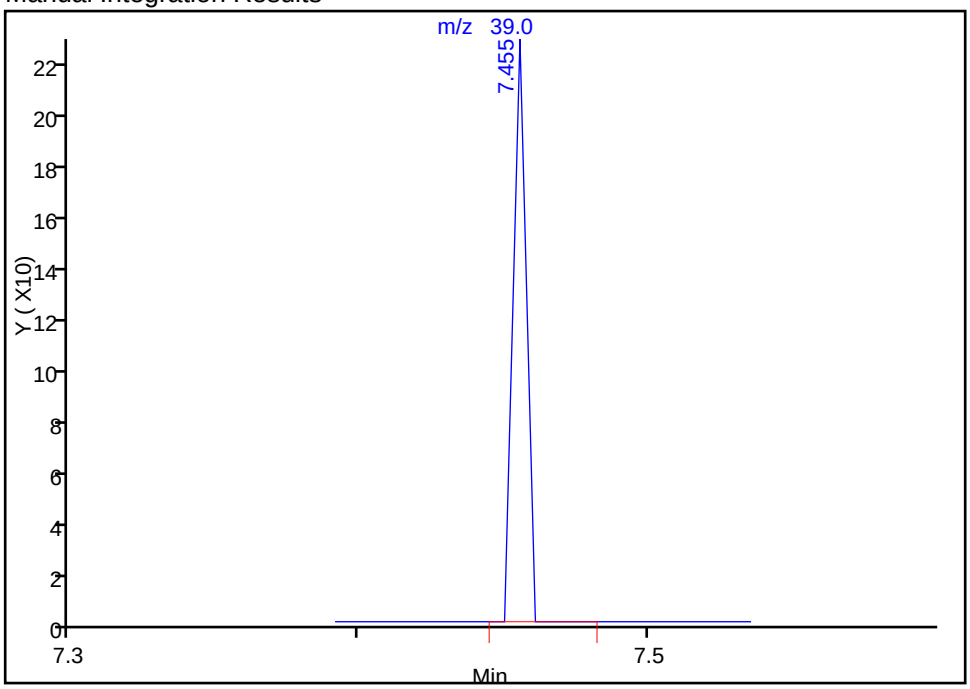
30 Acetonitrile, CAS: 75-05-8

Processing Integration Results

RT: 7.45
Response: 0
Amount: 0.196913

Manual Integration Results

RT: 7.46
Response: 71
Amount: 0.196913



Reviewer: daiglep, 18-Jul-2014 11:21:17
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\8605_004.D				
Injection Date:	17-Jul-2014 13:48:30	Instrument ID:	CHC.i		
Lims ID:	ic				
Client ID:					
Operator ID:	wrd	ALS Bottle#:	3	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

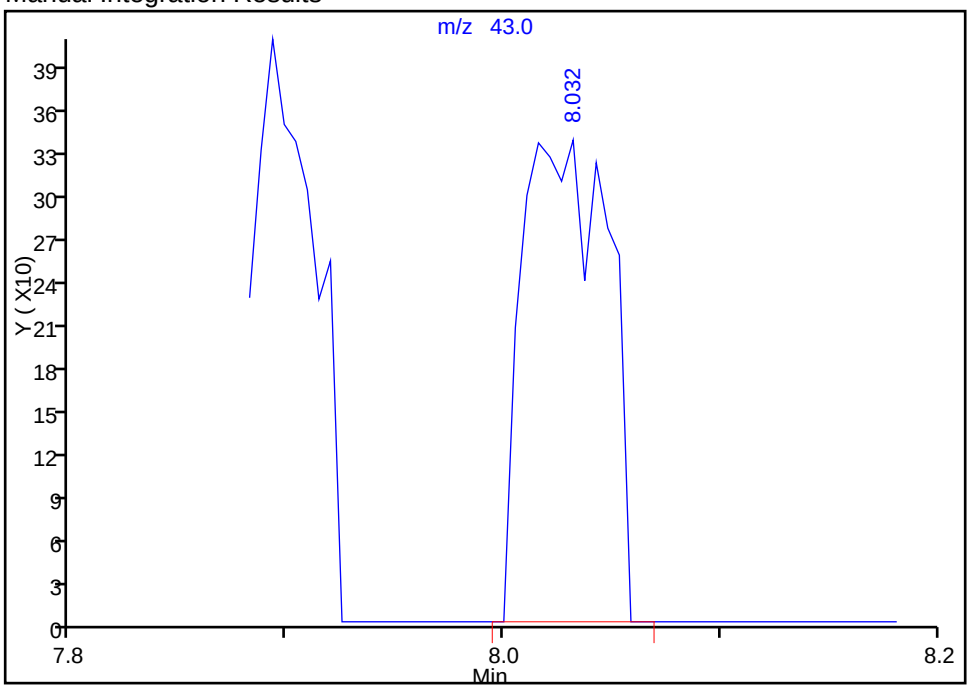
33 Methyl tert-butyl ether, CAS: 1634-04-4

Processing Integration Results

RT: 8.01
Response: 0
Amount: 0.210773

Manual Integration Results

RT: 8.03
Response: 934
Amount: 0.210773



Reviewer: daiglep, 18-Jul-2014 11:21:17
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

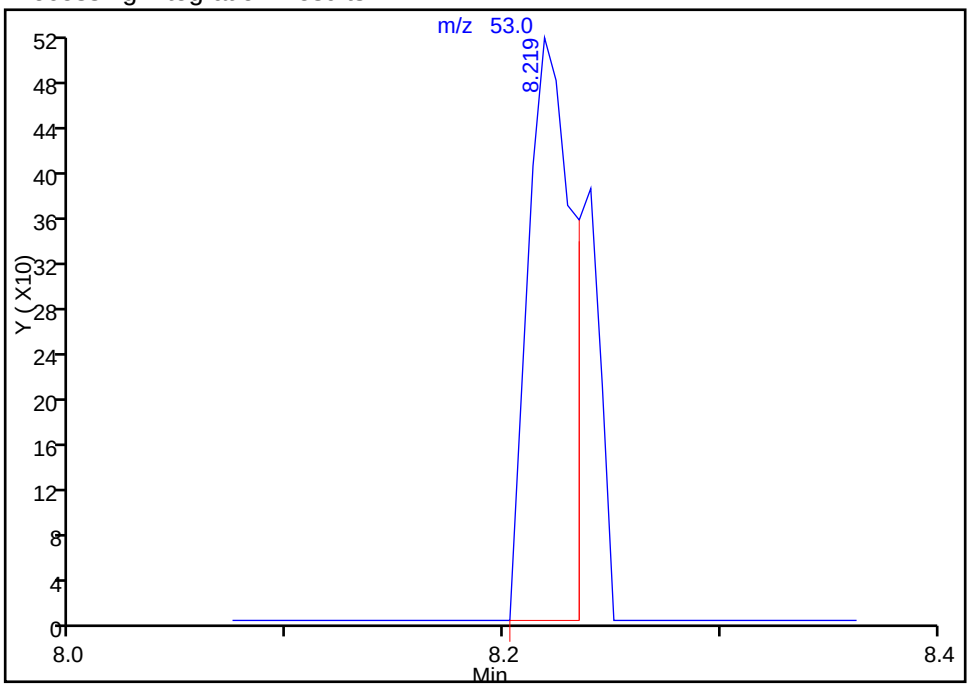
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\8605_004.D
Injection Date: 17-Jul-2014 13:48:30 Instrument ID: CHC.i
Lims ID: ic
Client ID:
Operator ID: wrd ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHC Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

35 Acrylonitrile, CAS: 107-13-1

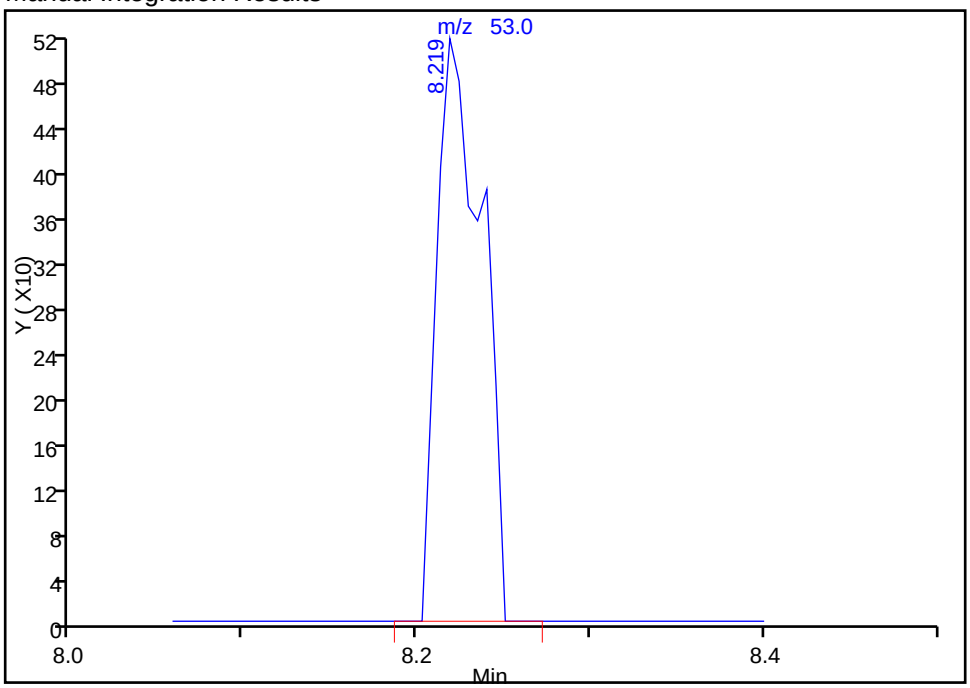
Processing Integration Results

RT: 8.22
Response: 746
Amount: 0.147855



Manual Integration Results

RT: 8.22
Response: 936
Amount: 0.196042



Reviewer: desjardinsb, 18-Jul-2014 08:08:47
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

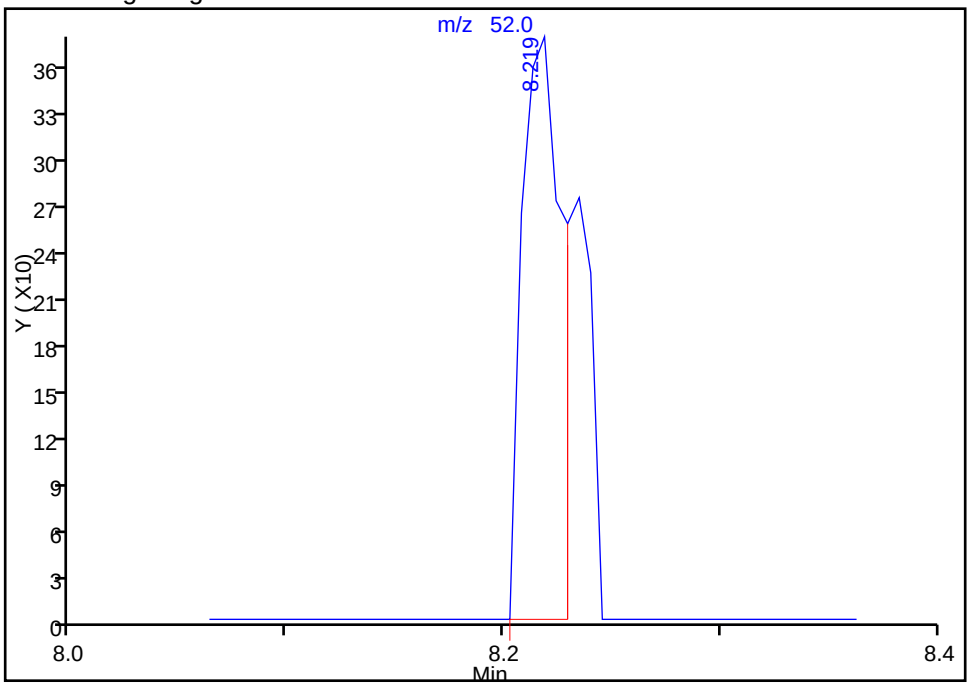
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\8605_004.D
Injection Date: 17-Jul-2014 13:48:30 Instrument ID: CHC.i
Lims ID: ic
Client ID:
Operator ID: wrd ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHC Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

35 Acrylonitrile, CAS: 107-13-1

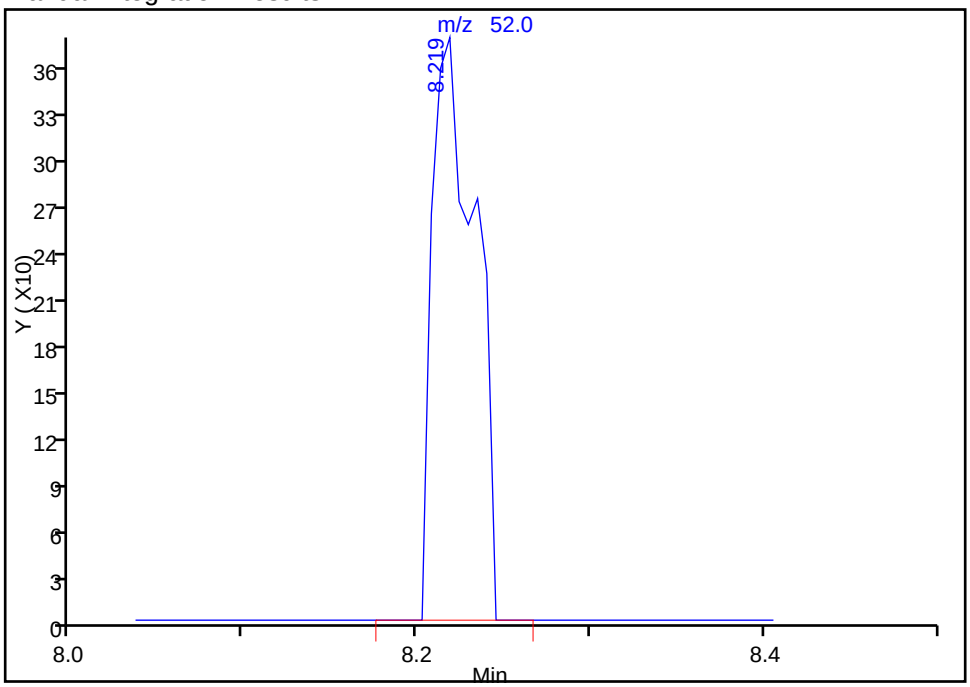
Processing Integration Results

RT: 8.22
Response: 492
Amount: 0.147855



Manual Integration Results

RT: 8.22
Response: 652
Amount: 0.196042



Reviewer: desjardinsb, 18-Jul-2014 08:08:47
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\8605_004.D				
Injection Date:	17-Jul-2014 13:48:30	Instrument ID:	CHC.i		
Lims ID:	ic				
Client ID:					
Operator ID:	wrd	ALS Bottle#:	3	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

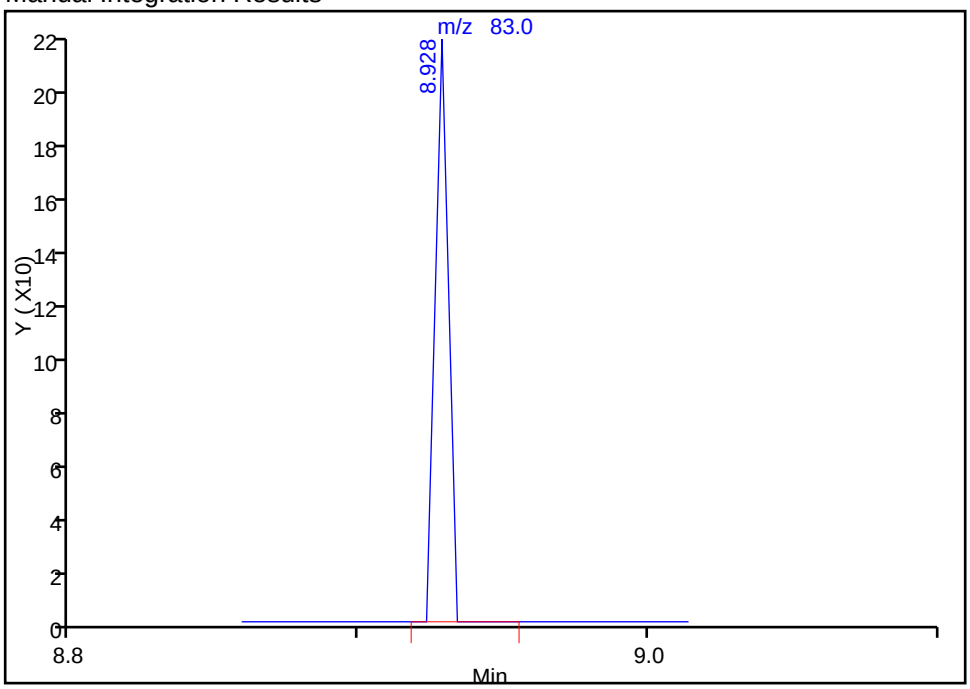
37 1,1-Dichloroethane, CAS: 75-34-3

Processing Integration Results

RT: 8.94
Response: 0
Amount: 0.236810

Manual Integration Results

RT: 8.93
Response: 68
Amount: 0.236808



Reviewer: daiglep, 18-Jul-2014 11:21:17
Audit Action: Manually Integrated
Audit Reason: Peak not found by the data system

Manual Integration/User Assign Peak Report

TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\8605_004.D				
Injection Date:	17-Jul-2014 13:48:30	Instrument ID:	CHC.i		
Lims ID:	ic				
Client ID:					
Operator ID:	wrd	ALS Bottle#:	3	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

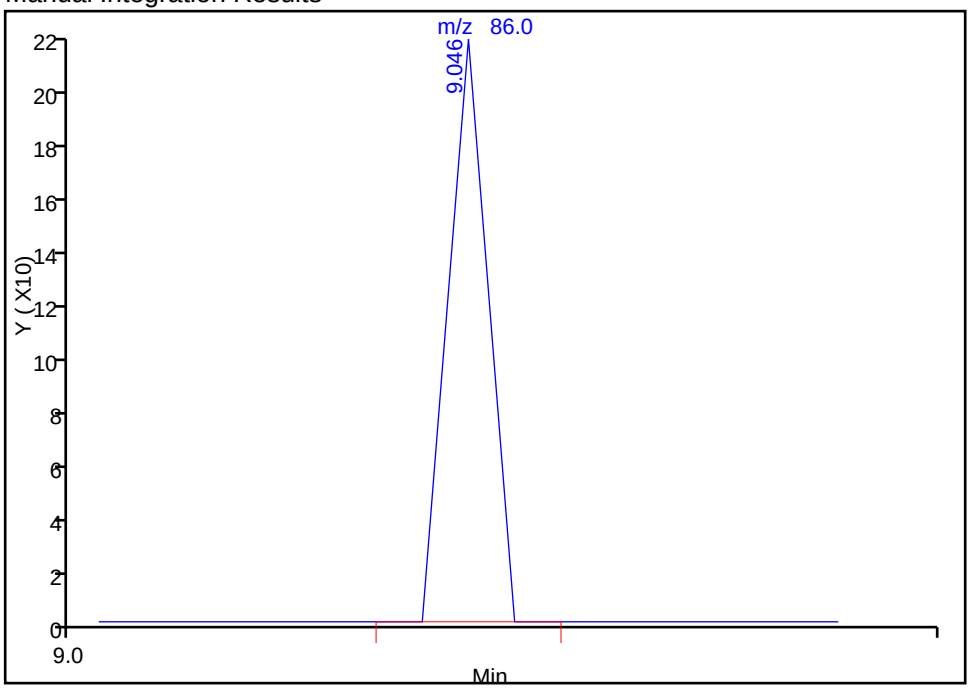
38 Vinyl acetate, CAS: 108-05-4

Processing Integration Results

RT: 9.04
Response: 0
Amount: 0.235626

Manual Integration Results

RT: 9.05
Response: 69
Amount: 0.235626



Reviewer: daiglep, 18-Jul-2014 11:21:17
Audit Action: Manually Integrated
Audit Reason: Peak not found by the data system

Manual Integration/User Assign Peak Report

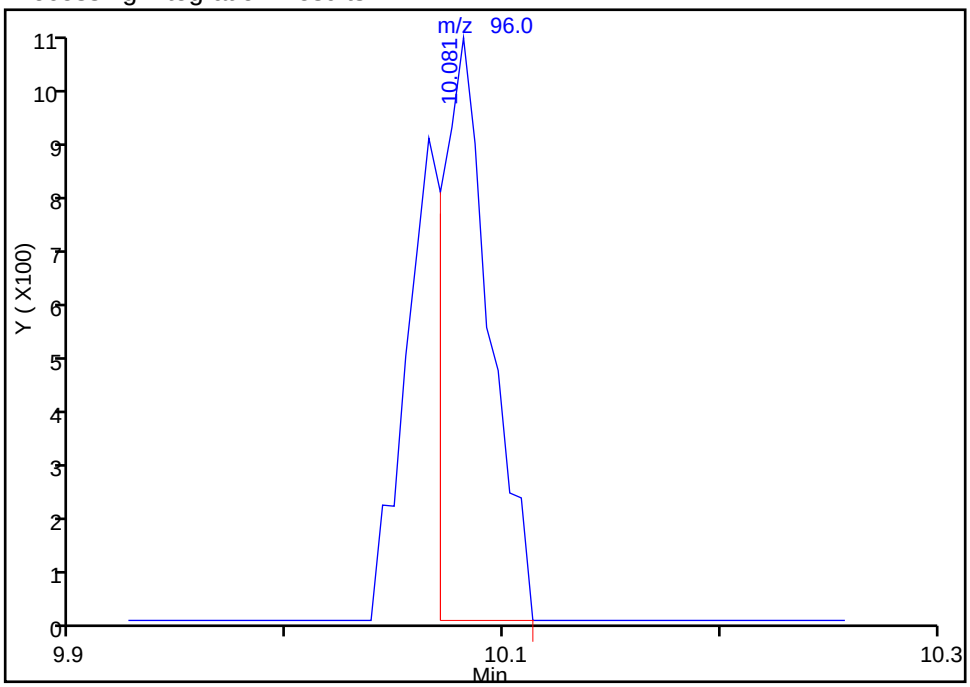
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\8605_004.D
Injection Date: 17-Jul-2014 13:48:30 Instrument ID: CHC.i
Lims ID: ic
Client ID:
Operator ID: wrd ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHC Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

39 cis-1,2-Dichloroethene, CAS: 156-59-2

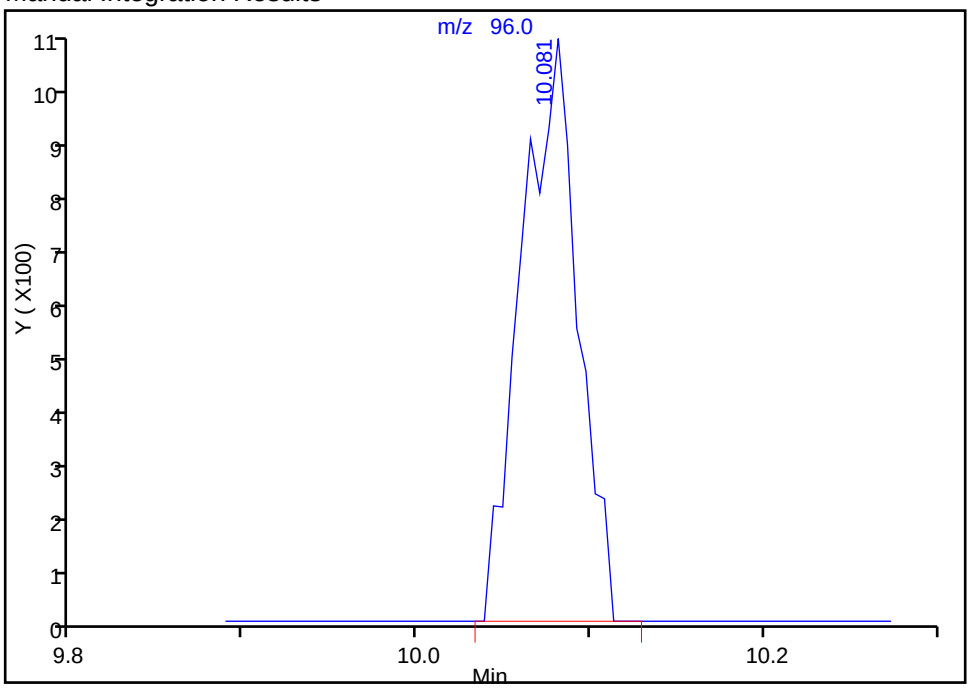
Processing Integration Results

RT: 10.08
Response: 1610
Amount: 0.148452



Manual Integration Results

RT: 10.08
Response: 2392
Amount: 0.215506



Reviewer: desjardinsb, 18-Jul-2014 08:08:47
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

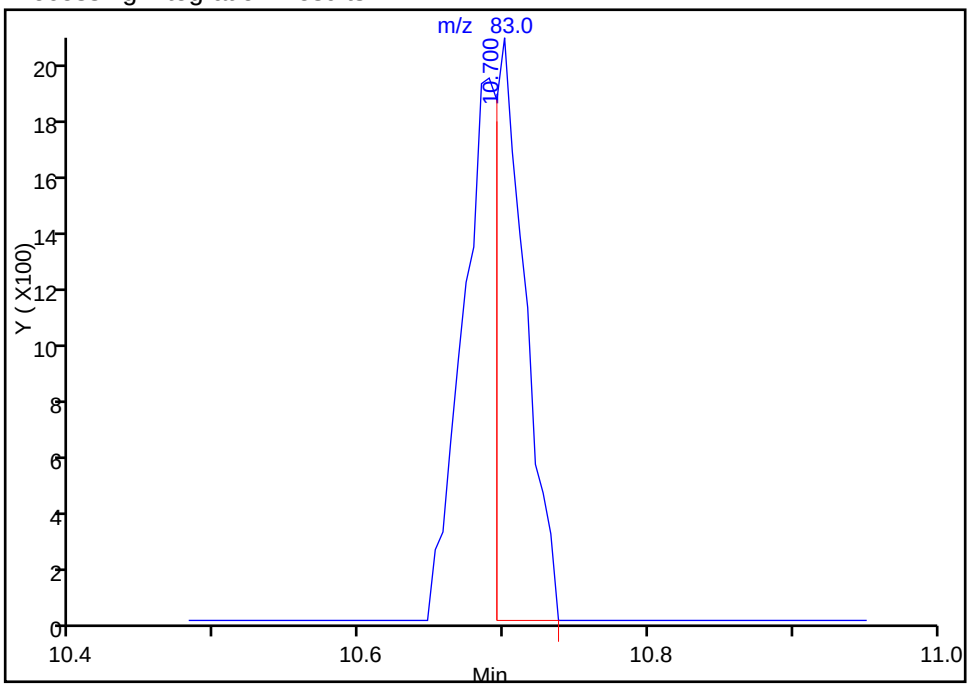
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\8605_004.D
Injection Date: 17-Jul-2014 13:48:30 Instrument ID: CHC.i
Lims ID: ic
Client ID:
Operator ID: wrd ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHC Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

45 Chloroform, CAS: 67-66-3

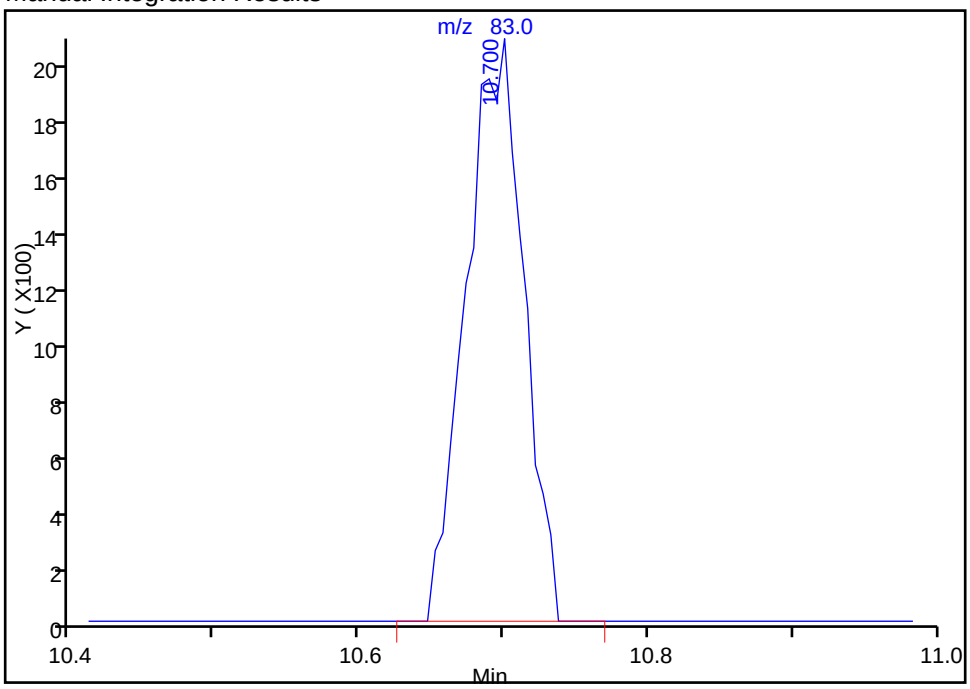
Processing Integration Results

RT: 10.70
Response: 3039
Amount: 0.119477



Manual Integration Results

RT: 10.70
Response: 5787
Amount: 0.222432



Reviewer: desjardinsb, 18-Jul-2014 08:08:47
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

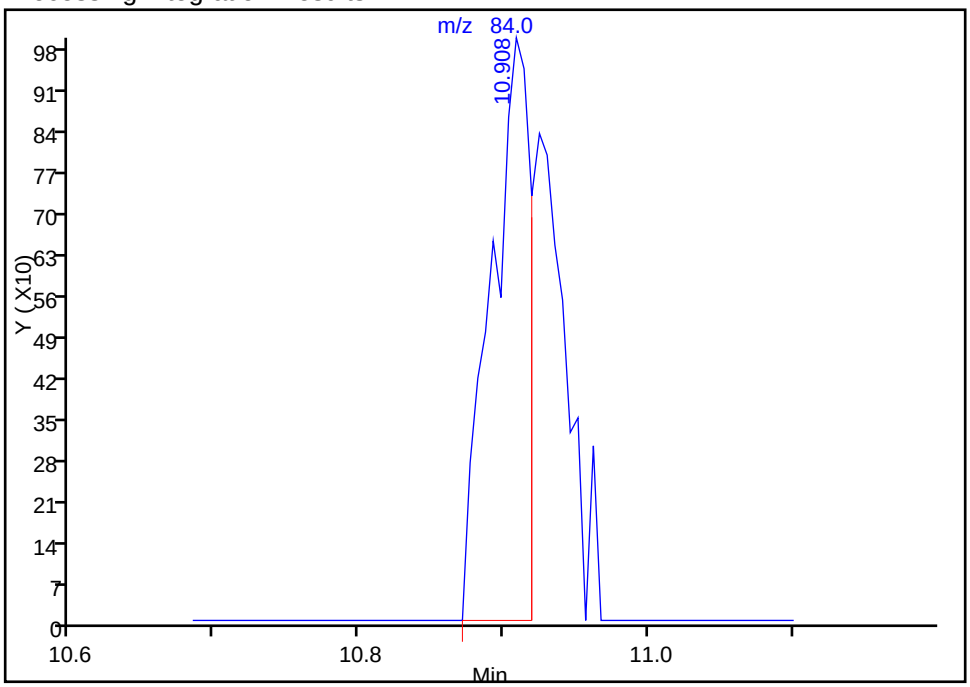
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\8605_004.D
Injection Date: 17-Jul-2014 13:48:30 Instrument ID: CHC.i
Lims ID: ic
Client ID:
Operator ID: wrd ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHC Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

46 Cyclohexane, CAS: 110-82-7

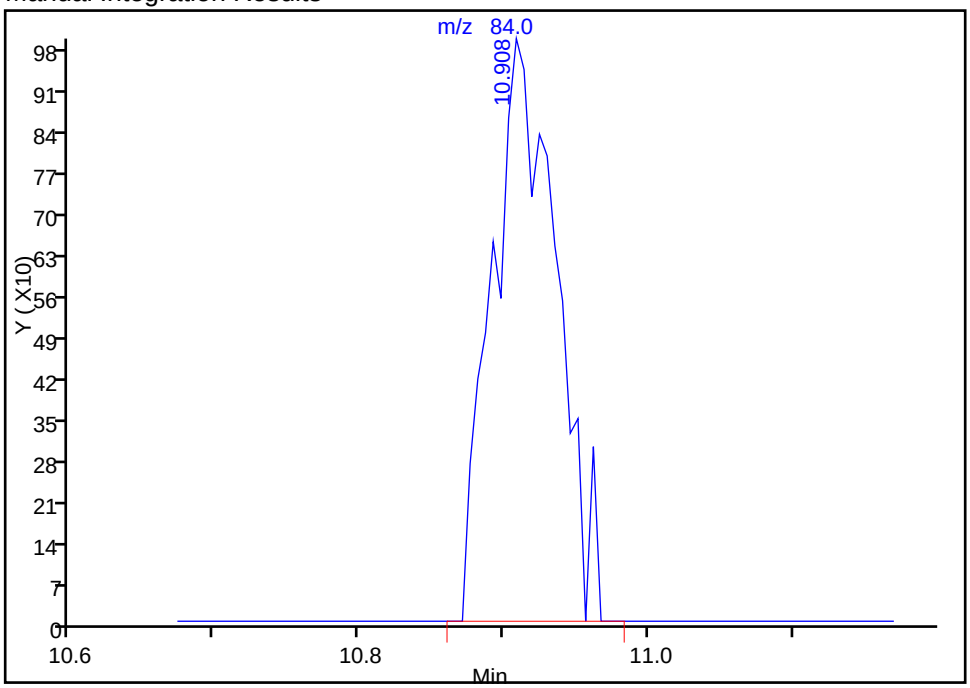
Processing Integration Results

RT: 10.91
Response: 1894
Amount: 0.133322



Manual Integration Results

RT: 10.91
Response: 3108
Amount: 0.211839



Reviewer: desjardinsb, 18-Jul-2014 08:08:47
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

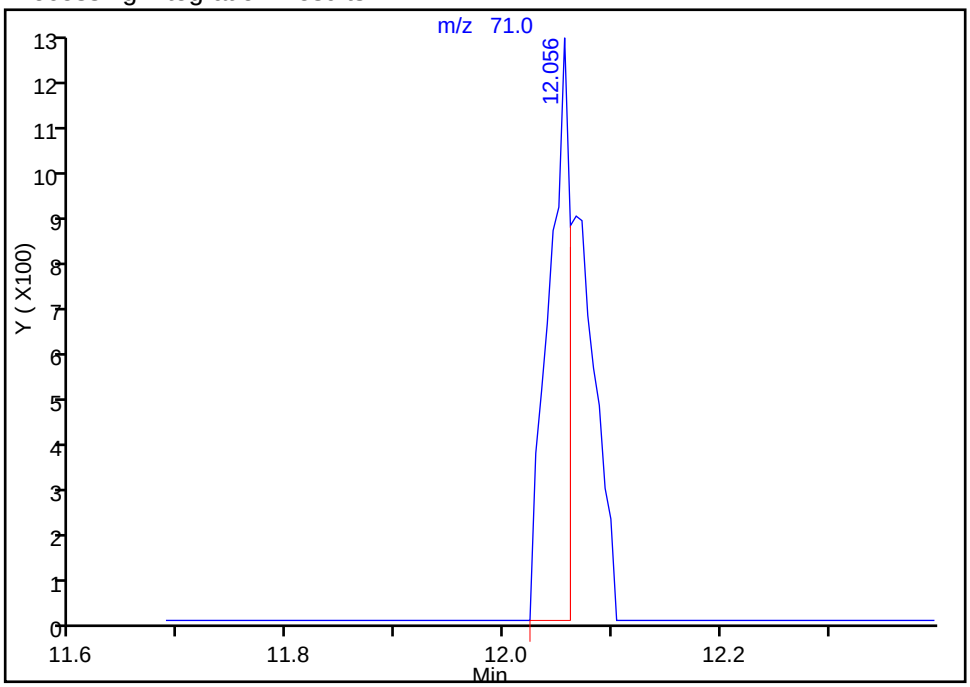
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\8605_004.D				
Injection Date:	17-Jul-2014 13:48:30	Instrument ID:	CHC.i		
Lims ID:	ic				
Client ID:					
Operator ID:	wrd	ALS Bottle#:	3	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

53 n-Heptane, CAS: 142-82-5

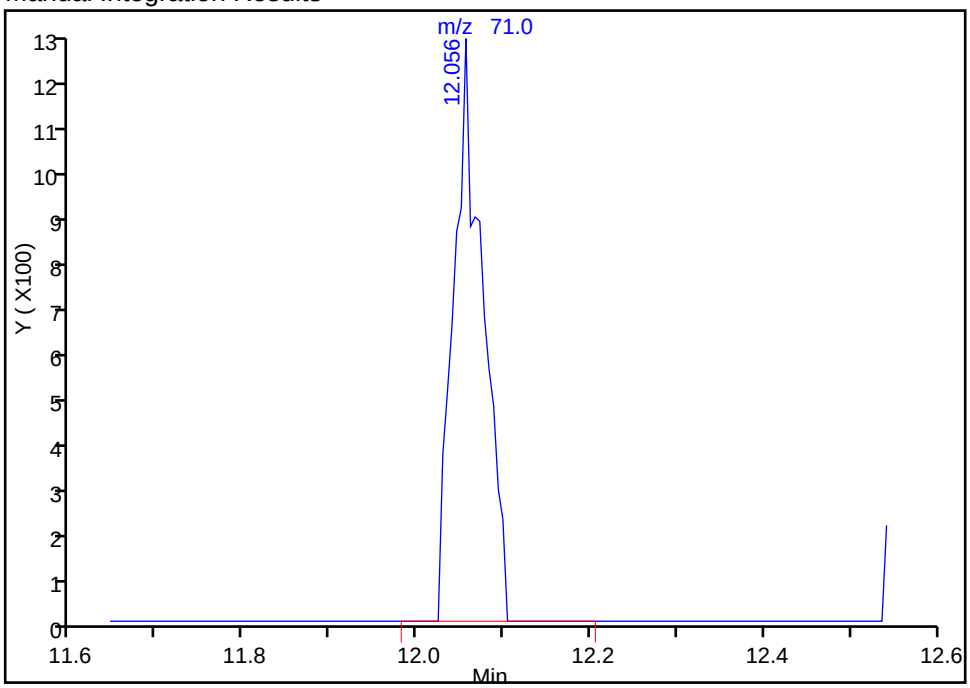
Processing Integration Results

RT: 12.06
Response: 1749
Amount: 0.236683



Manual Integration Results

RT: 12.06
Response: 3030
Amount: 0.236683



Reviewer: daiglep, 18-Jul-2014 11:21:17
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

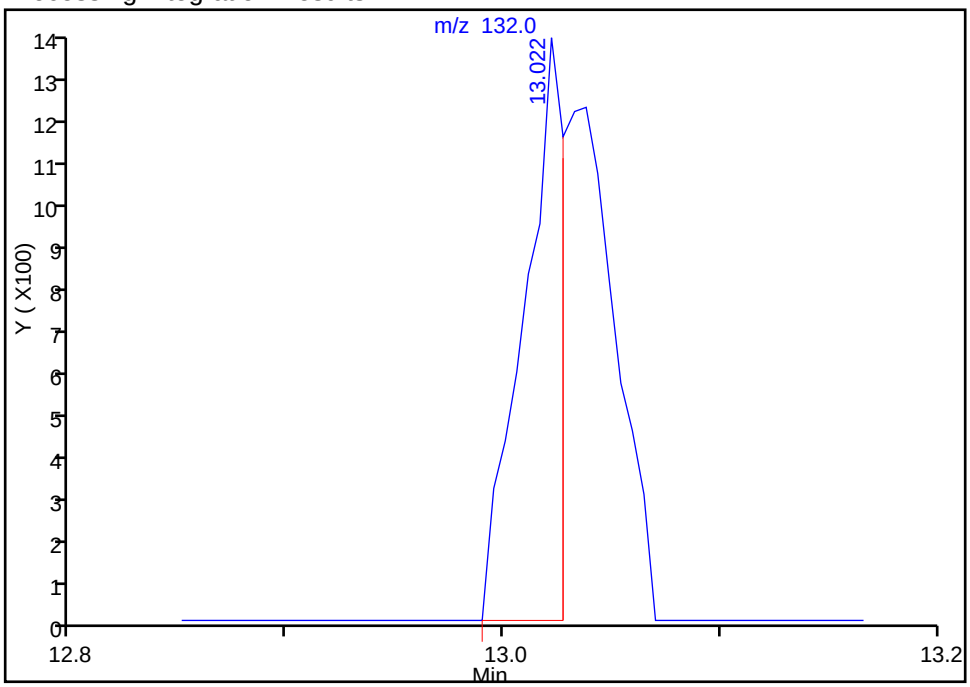
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\8605_004.D
Injection Date: 17-Jul-2014 13:48:30 Instrument ID: CHC.i
Lims ID: ic
Client ID:
Operator ID: wrd ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHC Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

56 Trichloroethene, CAS: 79-01-6

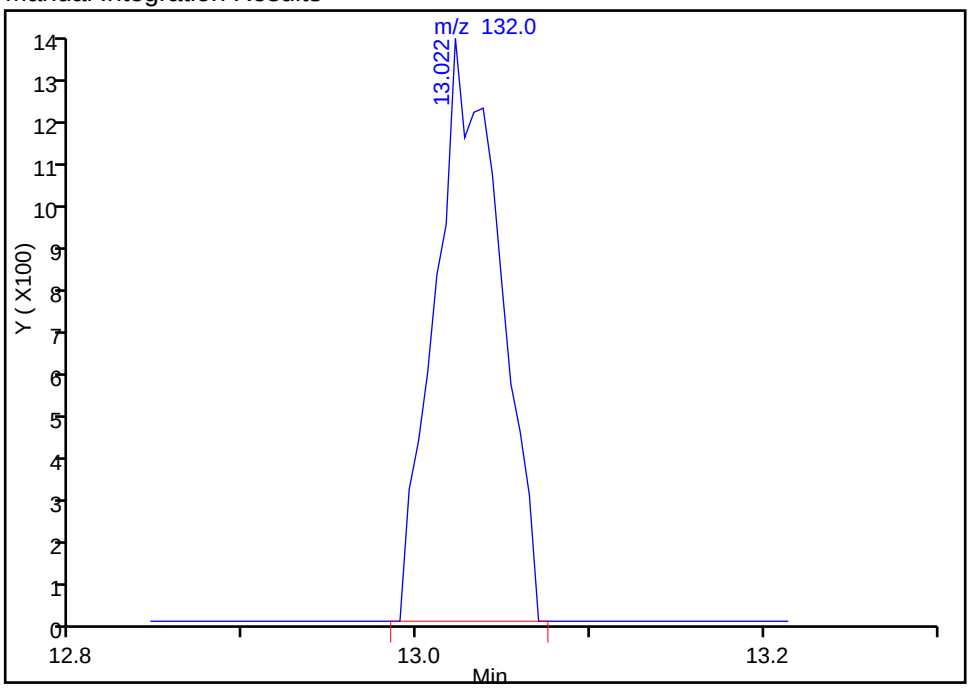
Processing Integration Results

RT: 13.02
Response: 1800
Amount: 0.215298



Manual Integration Results

RT: 13.02
Response: 3594
Amount: 0.215298



Reviewer: daiglep, 18-Jul-2014 11:21:17
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

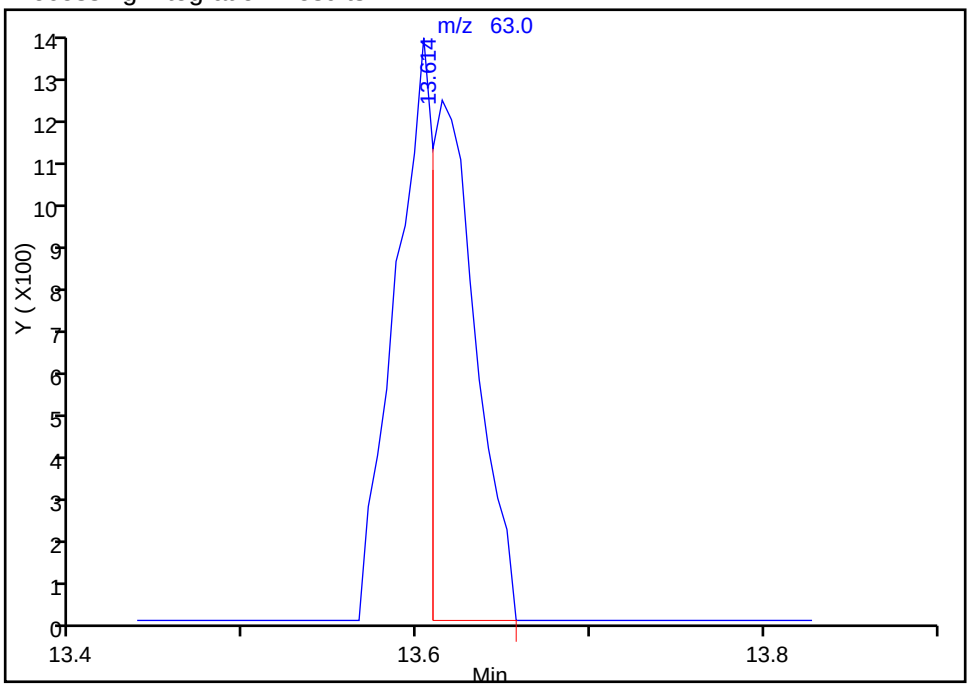
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\8605_004.D				
Injection Date:	17-Jul-2014 13:48:30	Instrument ID:	CHC.i		
Lims ID:	ic				
Client ID:					
Operator ID:	wrd	ALS Bottle#:	3	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

58 1,2-Dichloropropane, CAS: 78-87-5

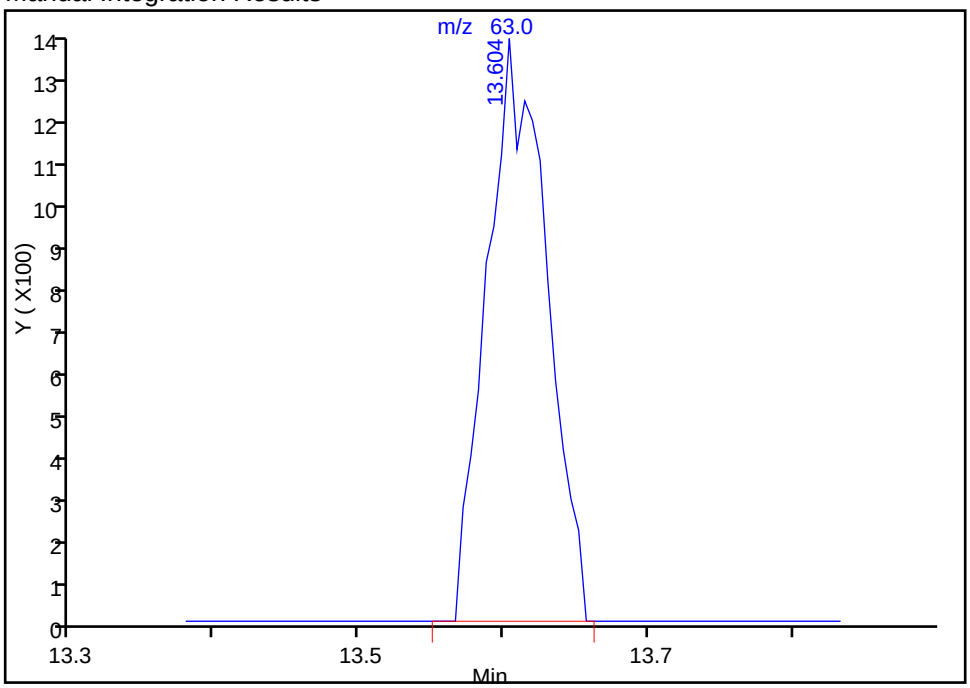
Processing Integration Results

RT: 13.61
Response: 2202
Amount: 0.124784



Manual Integration Results

RT: 13.60
Response: 3947
Amount: 0.213494



Reviewer: desjardinsb, 18-Jul-2014 08:08:47
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

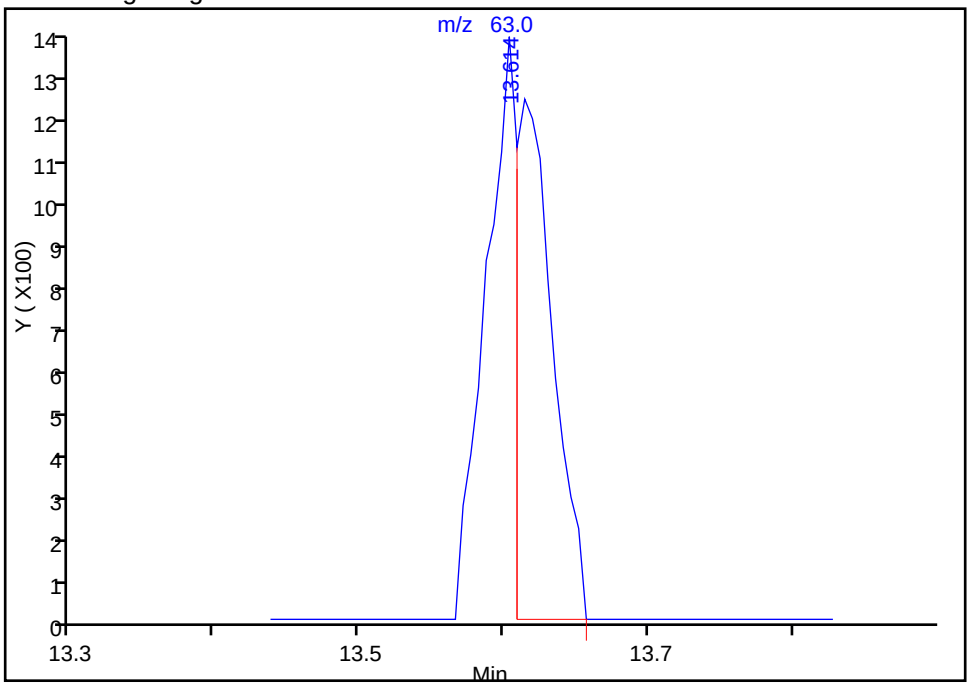
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\8605_004.D				
Injection Date:	17-Jul-2014 13:48:30	Instrument ID:	CHC.i		
Lims ID:	ic				
Client ID:					
Operator ID:	wrd	ALS Bottle#:	3	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

58 1,2-Dichloropropane, CAS: 78-87-5

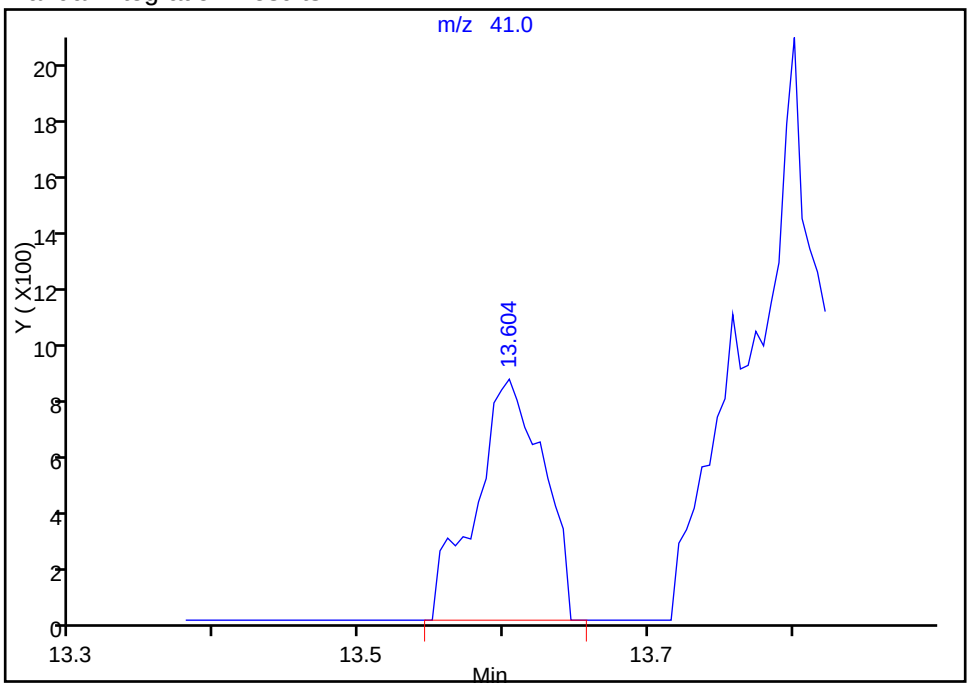
Processing Integration Results

RT: 13.61
Response: 0
Amount: 0.124784



Manual Integration Results

RT: 13.60
Response: 2777
Amount: 0.213494



Reviewer: desjardinsb, 18-Jul-2014 08:08:47
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\8605_004.D				
Injection Date:	17-Jul-2014 13:48:30	Instrument ID:	CHC.i		
Lims ID:	ic				
Client ID:					
Operator ID:	wrd	ALS Bottle#:	3	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

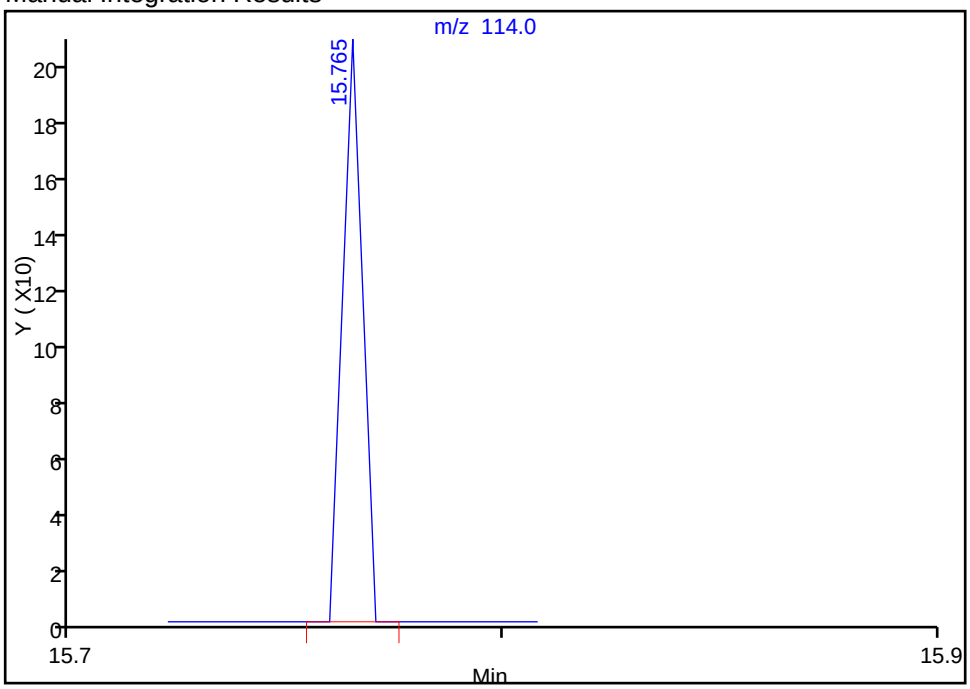
68 n-Octane, CAS: 111-65-9

Processing Integration Results

RT: 15.77
Response: 0
Amount: 0.224999

Manual Integration Results

RT: 15.77
Response: 67
Amount: 0.224999



Reviewer: daiglep, 18-Jul-2014 11:21:17
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

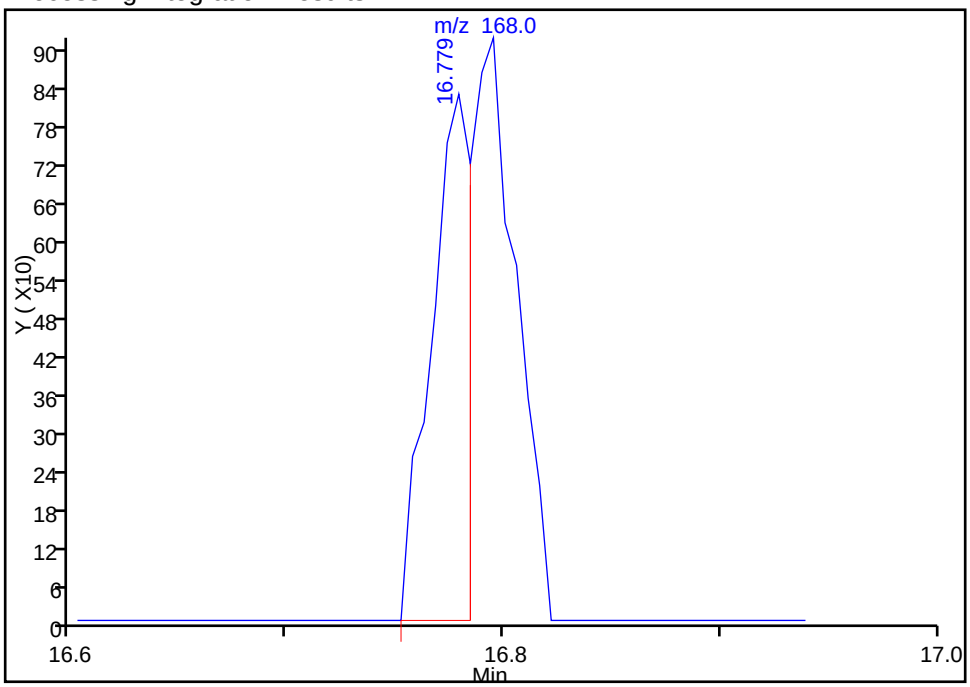
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\8605_004.D				
Injection Date:	17-Jul-2014 13:48:30	Instrument ID:	CHC.i		
Lims ID:	ic				
Client ID:					
Operator ID:	wrd	ALS Bottle#:	3	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

72 Tetrachloroethene, CAS: 127-18-4

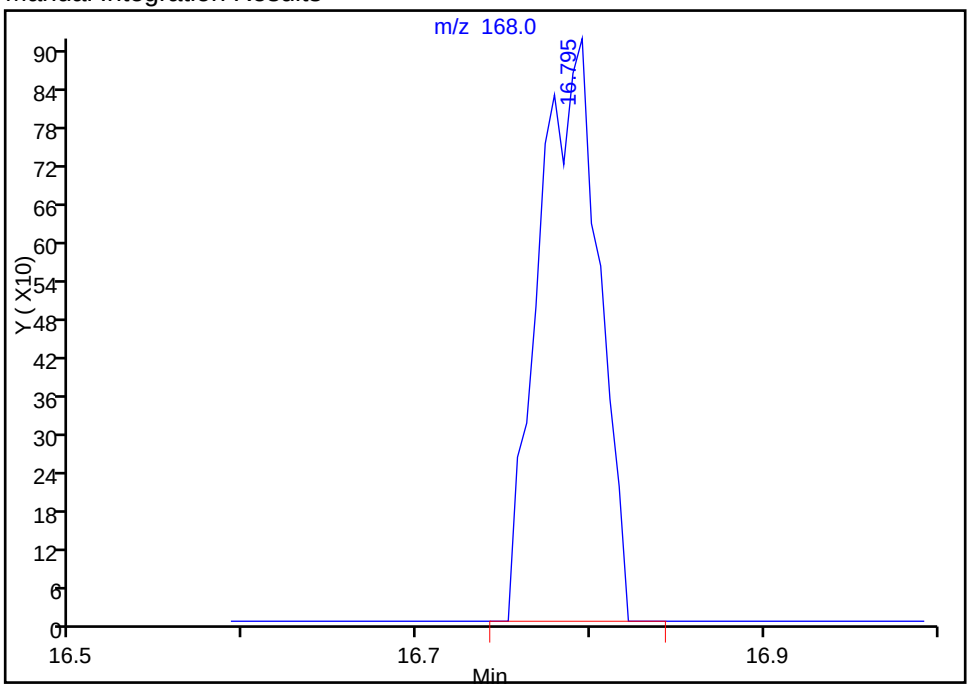
Processing Integration Results

RT: 16.78
Response: 1081
Amount: 0.204544



Manual Integration Results

RT: 16.80
Response: 2214
Amount: 0.204544



Reviewer: daiglep, 18-Jul-2014 11:21:17
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\8605_004.D				
Injection Date:	17-Jul-2014 13:48:30	Instrument ID:	CHC.i		
Lims ID:	ic				
Client ID:					
Operator ID:	wrd	ALS Bottle#:	3	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

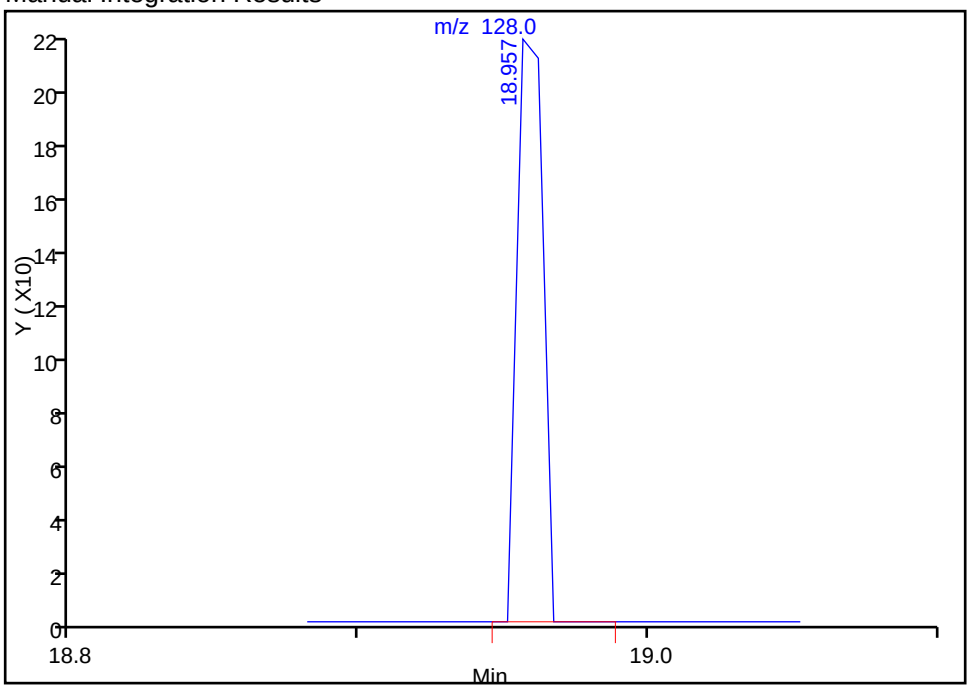
79 n-Nonane, CAS: 111-84-2

Processing Integration Results

RT: 18.96
Response: 0
Amount: 0.213867

Manual Integration Results

RT: 18.96
Response: 134
Amount: 0.213867



Reviewer: daiglep, 18-Jul-2014 11:21:17
Audit Action: Manually Integrated
Audit Reason: Peak not found by the data system

Manual Integration/User Assign Peak Report

TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\8605_004.D				
Injection Date:	17-Jul-2014 13:48:30	Instrument ID:	CHC.i		
Lims ID:	ic				
Client ID:					
Operator ID:	wrd	ALS Bottle#:	3	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

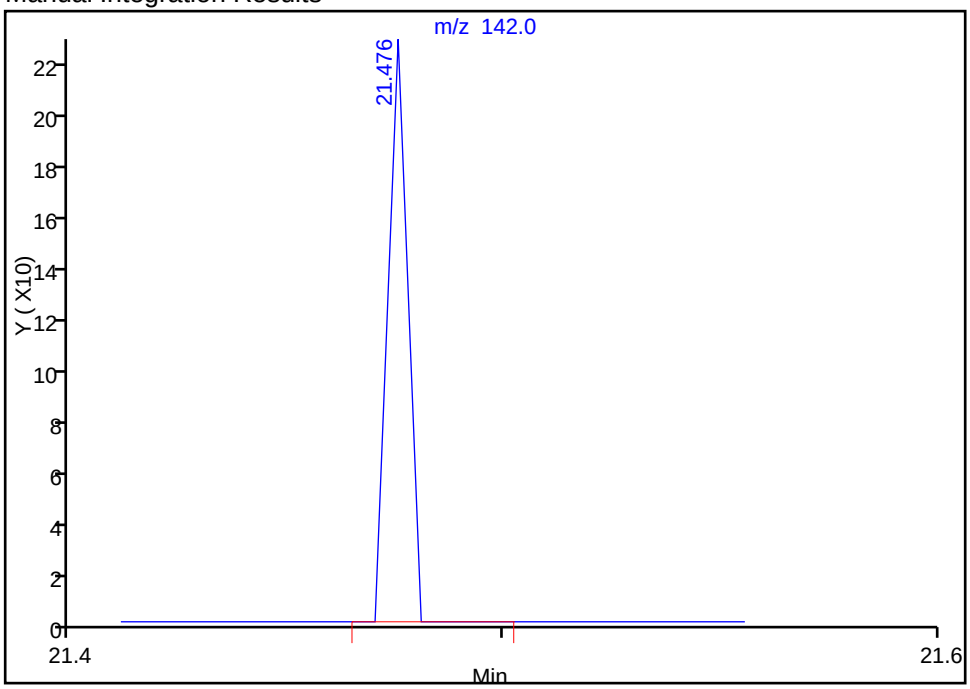
93 n-Decane, CAS: 124-18-5

Processing Integration Results

RT: 21.48
Response: 0
Amount: 0.241602

Manual Integration Results

RT: 21.48
Response: 72
Amount: 0.241602



Reviewer: daiglep, 18-Jul-2014 11:21:17
Audit Action: Manually Integrated
Audit Reason: Peak not found by the data system

Manual Integration/User Assign Peak Report

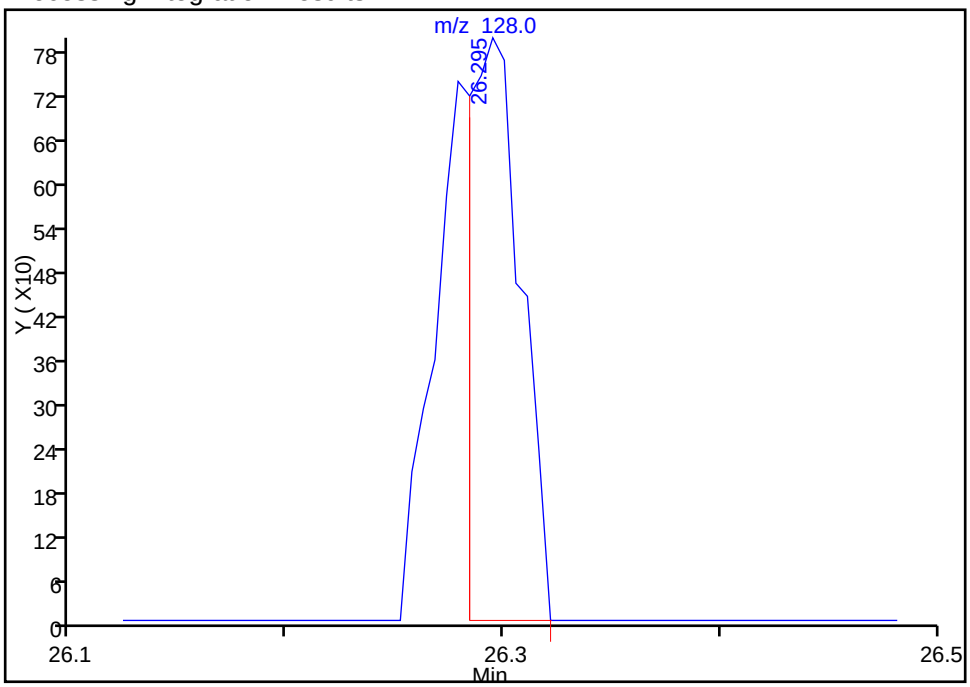
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\8605_004.D				
Injection Date:	17-Jul-2014 13:48:30	Instrument ID:	CHC.i		
Lims ID:	ic				
Client ID:					
Operator ID:	wrd	ALS Bottle#:	3	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

109 Naphthalene, CAS: 91-20-3

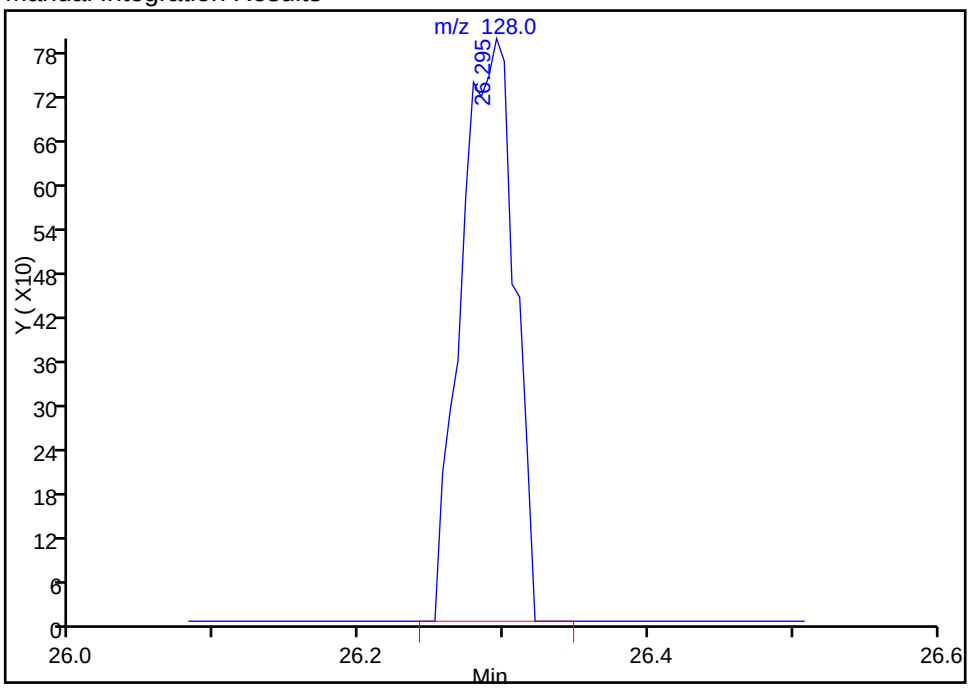
Processing Integration Results

RT: 26.29
Response: 1338
Amount: 0.023616



Manual Integration Results

RT: 26.29
Response: 2035
Amount: 0.036339



Reviewer: desjardinsb, 18-Jul-2014 08:08:47
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\8605_004.D				
Injection Date:	17-Jul-2014 13:48:30	Instrument ID:	CHC.i		
Lims ID:	ic				
Client ID:					
Operator ID:	wrd	ALS Bottle#:	3	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

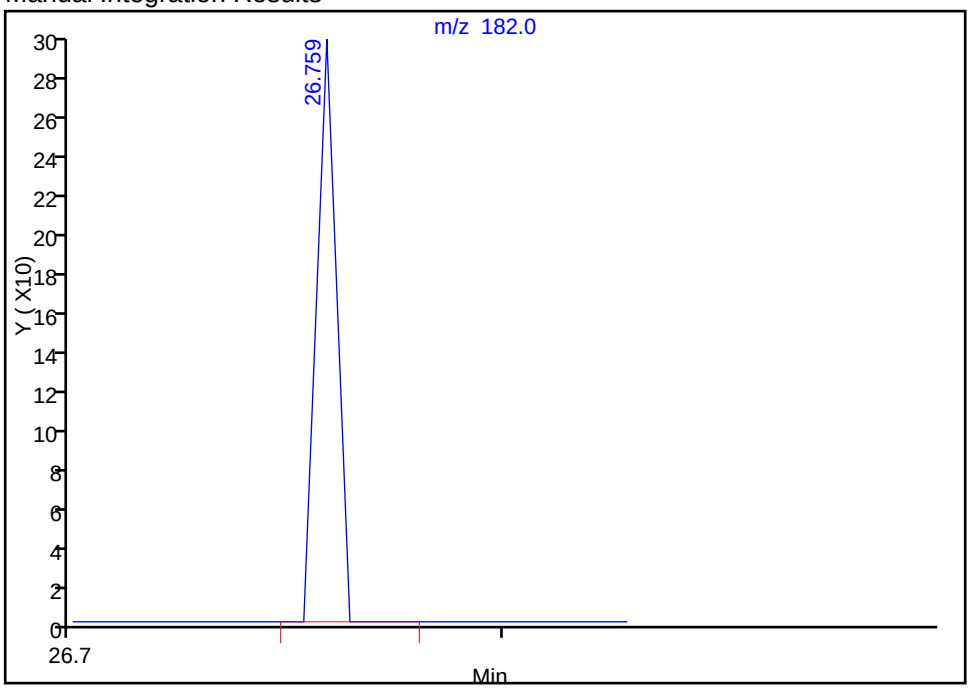
110 1,2,3-Trichlorobenzene, CAS: 87-61-6

Processing Integration Results

RT: 26.76
Response: 0
Amount: 0.016847

Manual Integration Results

RT: 26.76
Response: 95
Amount: 0.016847



Reviewer: daiglep, 18-Jul-2014 11:21:17
Audit Action: Manually Integrated
Audit Reason: Peak not found by the data system

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\8605_006.D
Lims ID: ic
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 17-Jul-2014 15:35:30 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0008605-006
Misc. Info.: ic-04
Operator ID: wrd Instrument ID: CHC.i
Sublist: chrom-TO15_LLNJ_TO3_CHC*sub2

Method: \\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\TO15_LLNJ_TO3_CHC.m
Limit Group: AI_TO15_ICAL
Last Update: 21-Jul-2014 11:27:42 Calib Date: 18-Jul-2014 09:36:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\8605_018.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK025

First Level Reviewer: desjardinsb Date: 18-Jul-2014 08:11:20

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	3.004	3.004	0.000	96	30992	4.99	5.69	
2 Dichlorodifluoromethane	85	3.079	3.074	0.005	99	159953	4.99	5.56	
6 Chlorodifluoromethane	51	3.133	3.132	0.000	96	76558	4.99	5.94	
7 1,2-Dichloro-1,1,2,2-tetra	85	3.351	3.351	0.000	94	128627	4.99	5.17	
8 Chloromethane	50	3.490	3.495	-0.005	99	38435	4.99	5.62	
9 Butane	43	3.698	3.698	0.000	96	62589	4.99	5.64	
10 Vinyl chloride	62	3.746	3.746	0.000	98	45691	4.99	5.45	
11 Butadiene	54	3.826	3.826	0.000	95	34551	4.99	5.49	
12 Bromomethane	94	4.536	4.536	0.000	98	42372	4.99	4.95	
13 Chloroethane	64	4.792	4.792	0.000	99	19074	4.99	5.22	
14 2-Methylbutane	43	4.862	4.862	0.000	89	36323	4.99	5.35	
15 Vinyl bromide	106	5.193	5.192	0.001	98	40826	4.99	4.85	
16 Trichlorofluoromethane	101	5.299	5.299	0.000	98	161446	4.99	5.25	
17 Pentane	43	5.449	5.449	0.000	94	64283	4.99	5.66	
19 Ethanol	45	5.950	5.945	0.005	98	23316	10.0	10.3	
21 Ethyl ether	59	6.004	6.004	0.000	94	27352	4.99	5.64	
22 Acrolein	56	6.409	6.409	0.000	98	11698	4.99	5.65	
23 1,1,2-Trichloro-1,2,2-trif	101	6.420	6.415	0.005	96	89441	4.99	5.20	
24 1,1-Dichloroethene	96	6.457	6.463	-0.006	97	41445	4.99	5.12	
25 Acetone	43	6.740	6.740	0.000	85	67956	4.99	6.07	
26 Carbon disulfide	76	6.842	6.842	0.000	100	111945	4.99	4.71	
27 Isopropyl alcohol	45	7.066	7.066	0.000	97	58078	4.99	6.51	
29 3-Chloro-1-propene	41	7.285	7.285	0.000	89	47136	4.99	5.54	
30 Acetonitrile	41	7.450	7.450	0.000	96	25346	4.99	5.86	
31 Methylene Chloride	49	7.594	7.589	0.005	92	44990	4.99	5.69	
32 2-Methyl-2-propanol	59	7.861	7.856	0.005	98	89788	4.99	6.10	
33 Methyl tert-butyl ether	73	8.010	8.005	0.005	96	126768	4.99	5.32	
34 trans-1,2-Dichloroethene	61	8.032	8.032	0.000	96	62537	4.99	5.57	
35 Acrylonitrile	53	8.224	8.219	0.006	95	25956	4.99	5.63	
36 Hexane	57	8.427	8.421	0.006	91	56569	4.99	5.49	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
37 1,1-Dichloroethane	63	8.934	8.934	0.000	100	84568	4.99	5.63	
38 Vinyl acetate	43	9.035	9.035	0.000	99	107639	4.99	5.76	
39 cis-1,2-Dichloroethene	96	10.081	10.076	0.005	95	55195	4.99	5.15	
40 2-Butanone (MEK)	72	10.151	10.156	-0.005	99	24921	4.99	5.05	
42 Ethyl acetate	88	10.193	10.193	0.000	99	3888	4.99	5.12	
S 41 1,2-Dichloroethene, Total	61				0		9.99	10.7	
* 43 Chlorobromomethane	128	10.556	10.551	0.005	91	92893	10.0	10.0	
44 Tetrahydrofuran	42	10.572	10.567	0.005	92	57226	4.99	6.09	
45 Chloroform	83	10.695	10.700	-0.005	99	136777	4.99	5.44	
46 Cyclohexane	84	10.914	10.914	0.000	93	74687	4.99	5.21	
47 1,1,1-Trichloroethane	97	10.956	10.962	-0.006	97	154742	4.99	5.19	
48 Carbon tetrachloride	117	11.207	11.207	0.000	100	163548	4.99	5.06	
51 Isooctane	57	11.656	11.655	0.001	99	315332	4.99	5.58	
50 Benzene	78	11.693	11.693	0.000	97	191581	4.99	5.27	
52 1,2-Dichloroethane	62	11.890	11.896	-0.006	98	110017	4.99	5.34	
53 n-Heptane	43	12.061	12.066	-0.005	93	124537	4.99	5.54	
* 54 1,4-Difluorobenzene	114	12.568	12.568	0.000	96	573668	10.0	10.0	
55 n-Butanol	56	13.022	13.011	0.011	88	44639	4.99	6.17	
56 Trichloroethene	95	13.032	13.032	0.000	95	104284	4.99	5.23	
A 57 GRO	1	13.171	(4.852-21.491)		0	25480806	4.99	0	
58 1,2-Dichloropropane	63	13.609	13.609	0.000	88	91216	4.99	5.05	
59 Methyl methacrylate	69	13.801	13.801	0.000	91	82542	4.99	4.99	
60 1,4-Dioxane	88	13.865	13.860	0.005	50	40572	4.99	6.03	
61 Dibromomethane	174	13.870	13.870	0.000	89	75215	4.99	4.70	
62 Dichlorobromomethane	83	14.180	14.180	0.000	100	194617	4.99	5.08	
A 63 TVOC as Toluene	1	14.884	(2.994-26.774)		0	46321450	4.99	1426.1	
64 cis-1,3-Dichloropropene	75	15.130	15.130	0.000	94	140237	4.99	5.06	
65 4-Methyl-2-pentanone (MIBK	43	15.439	15.434	0.005	97	188387	4.99	5.06	
A 67 Toluene Range	1	15.712	(15.672-15.752)		0	826640	NC	NC	
66 Toluene	92	15.712	15.712	0.000	94	162772	4.99	5.02	
68 n-Octane	43	15.770	15.770	0.000	93	211982	4.99	5.54	
A 69 C8 Range	1	15.813	(15.769-16.270)		0	883738	NC	NC	
70 trans-1,3-Dichloropropene	75	16.331	16.331	0.000	97	151426	4.99	4.75	
71 1,1,2-Trichloroethane	83	16.704	16.704	0.000	94	89848	4.99	5.16	
72 Tetrachloroethene	166	16.790	16.790	0.000	90	116564	4.99	4.68	
73 2-Hexanone	43	17.169	17.168	0.001	97	188057	4.99	5.16	
74 Chlorodibromomethane	129	17.462	17.462	0.000	98	182873	4.99	5.18	
75 Ethylene Dibromide	107	17.729	17.729	0.000	98	159498	4.99	5.10	
* 76 Chlorobenzene-d5	117	18.626	18.625	0.001	90	572258	10.0	10.0	
77 Chlorobenzene	112	18.684	18.684	0.000	90	210501	4.99	4.94	
78 Ethylbenzene	91	18.834	18.834	0.000	99	373145	4.99	5.17	
79 n-Nonane	57	18.956	18.956	0.000	91	202005	4.99	5.47	
81 m-Xylene & p-Xylene	106	19.085	19.090	-0.006	97	271228	9.99	10.1	
83 o-Xylene	106	19.922	19.928	-0.006	92	142910	4.99	5.11	
84 Styrene	104	19.981	19.981	0.000	92	208274	4.99	5.20	
S 82 Xylenes, Total	106				0		15.0	15.2	
85 Bromoform	173	20.397	20.397	0.000	93	163174	4.99	5.03	
86 Isopropylbenzene	105	20.600	20.595	0.005	97	403490	4.99	5.12	
$ 87 4-Bromofluorobenzene	95	20.963	20.963	0.000	80	461781	NC	NC	
88 1,1,2,2-Tetrachloroethane	83	21.251	21.251	0.000	97	235030	4.99	5.23	
90 N-Propylbenzene	91	21.310	21.310	0.000	98	520368	4.99	5.37	
89 1,2,3-Trichloropropane	75	21.342	21.347	-0.005	97	196960	4.99	5.34	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
93 n-Decane	57	21.481	21.481	0.000	89	255100	4.99	6.00	
91 4-Ethyltoluene	105	21.497	21.497	0.000	98	394705	4.99	5.35	
92 2-Chlorotoluene	91	21.502	21.507	-0.005	95	370199	4.99	5.38	
94 1,3,5-Trimethylbenzene	105	21.604	21.603	0.001	91	347063	4.99	5.13	
95 Alpha Methyl Styrene	118	21.966	21.966	0.000	86	164711	4.99	5.48	
96 tert-Butylbenzene	119	22.084	22.084	0.000	90	316476	4.99	5.09	
97 1,2,4-Trimethylbenzene	105	22.180	22.180	0.000	98	354705	4.99	5.27	
98 sec-Butylbenzene	105	22.404	22.409	-0.005	98	499569	4.99	5.36	
99 4-Isopropyltoluene	119	22.607	22.607	0.000	96	403114	4.99	5.31	
100 1,3-Dichlorobenzene	146	22.634	22.639	-0.005	92	211554	4.99	4.95	
101 1,4-Dichlorobenzene	146	22.772	22.772	0.000	91	217413	4.99	4.98	
102 Benzyl chloride	91	22.970	22.970	0.000	98	300738	4.99	5.04	
103 n-Butylbenzene	91	23.173	23.173	0.001	98	427028	4.99	5.76	
104 Undecane	57	23.194	23.194	0.000	95	291262	4.99	6.44	
105 1,2-Dichlorobenzene	146	23.301	23.301	0.000	92	208018	4.99	4.95	
106 Dodecane	57	24.774	24.779	-0.005	96	160828	4.99	4.59	
107 1,2,4-Trichlorobenzene	180	25.798	25.798	0.000	93	110095	4.99	4.40	
108 Hexachlorobutadiene	225	25.980	25.985	-0.005	90	136745	4.99	4.97	
109 Naphthalene	128	26.289	26.289	0.000	99	273749	4.99	4.88	
110 1,2,3-Trichlorobenzene	180	26.764	26.764	0.000	94	83282	4.99	4.70	

QC Flag Legend

Processing Flags
NC - Not Calibrated

Reagents:

ATTO15CAL3w_00130	Amount Added: 200.00	Units: mL	
ATTO15CISs_00006	Amount Added: 20.00	Units: mL	Run Reagent

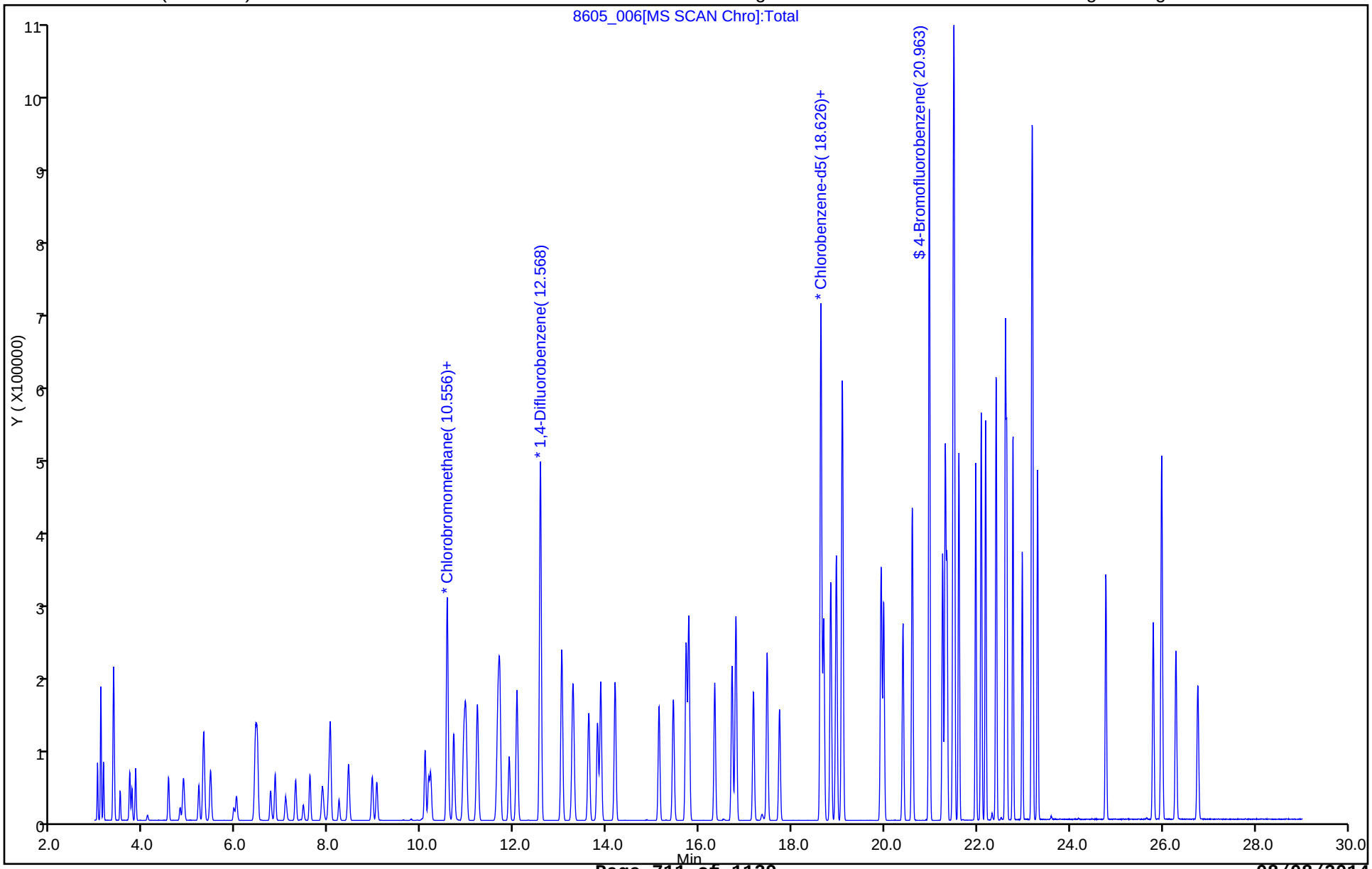
Report Date: 21-Jul-2014 11:27:43 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\8605_006.D

Injection Date:	17-Jul-2014 15:35:30	Instrument ID:	CHC.i	Operator ID:	wrd
Lims ID:	ic			Worklist Smp#:	6
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	5
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



TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\8605_007.D
Lims ID: icis
Client ID:
Sample Type: ICIS Calib Level: 5
Inject. Date: 17-Jul-2014 16:28:30 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0008605-007
Misc. Info.: icis-05
Operator ID: wrd Instrument ID: CHC.i
Sublist: chrom-TO15_LLNJ_TO3_CHC*sub2

Method: \\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\TO15_LLNJ_TO3_CHC.m
Limit Group: AI_TO15_ICAL
Last Update: 21-Jul-2014 11:26:23 Calib Date: 18-Jul-2014 09:36:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\8605_018.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK025

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	3.004	3.004	0.000	96	60115	10.0	10.5	
2 Dichlorodifluoromethane	85	3.074	3.074	0.000	88	326247	10.0	10.7	
6 Chlorodifluoromethane	51	3.132	3.132	0.000	75	150980	10.0	11.1	
7 1,2-Dichloro-1,1,2,2-tetra	85	3.351	3.351	0.000	90	270564	10.0	10.3	
8 Chloromethane	50	3.495	3.495	0.000	88	78048	10.0	10.8	
9 Butane	43	3.698	3.698	0.000	96	126534	10.0	10.8	
10 Vinyl chloride	62	3.746	3.746	0.000	82	94004	10.0	10.6	
11 Butadiene	54	3.826	3.826	0.000	93	71198	10.0	10.7	
12 Bromomethane	94	4.536	4.536	0.000	95	88159	10.0	9.76	
13 Chloroethane	64	4.792	4.792	0.000	93	39390	10.0	10.2	
14 2-Methylbutane	43	4.862	4.862	0.000	87	71899	10.0	10.0	
15 Vinyl bromide	106	5.192	5.192	0.000	89	85055	10.0	9.57	
16 Trichlorofluoromethane	101	5.299	5.299	0.000	99	330137	10.0	10.2	
17 Pentane	43	5.449	5.449	0.000	94	128405	10.0	10.7	
19 Ethanol	45	5.945	5.945	0.000	78	37157	15.0	15.6	
21 Ethyl ether	59	6.004	6.004	0.000	77	55494	10.0	10.8	
22 Acrolein	56	6.409	6.409	0.000	38	23206	10.0	10.6	
23 1,1,2-Trichloro-1,2,2-trif	101	6.415	6.415	0.000	96	182610	10.0	10.1	
24 1,1-Dichloroethene	96	6.463	6.463	0.000	99	86260	10.0	10.1	
25 Acetone	43	6.740	6.740	0.000	77	131551	10.0	11.1	
26 Carbon disulfide	76	6.842	6.842	0.000	99	231001	10.0	9.21	
27 Isopropyl alcohol	45	7.066	7.066	0.000	97	106622	10.0	11.3	
29 3-Chloro-1-propene	41	7.285	7.285	0.000	86	94689	10.0	10.5	
30 Acetonitrile	41	7.450	7.450	0.000	98	51196	10.0	11.2	
31 Methylene Chloride	49	7.589	7.589	0.000	87	88449	10.0	10.6	
32 2-Methyl-2-propanol	59	7.856	7.856	0.000	98	170690	10.0	11.0	
33 Methyl tert-butyl ether	73	8.005	8.005	0.000	95	257715	10.0	10.2	
34 trans-1,2-Dichloroethene	61	8.032	8.032	0.000	95	121595	10.0	10.3	
35 Acrylonitrile	53	8.219	8.219	0.000	93	53193	10.0	10.9	
36 Hexane	57	8.421	8.421	0.000	91	112843	10.0	10.4	
37 1,1-Dichloroethane	63	8.934	8.934	0.000	100	167490	10.0	10.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
38 Vinyl acetate	43	9.035	9.035	0.000	99	217178	10.0	11.0	
39 cis-1,2-Dichloroethene	96	10.076	10.076	0.000	95	112894	10.0	9.98	
40 2-Butanone (MEK)	72	10.156	10.156	0.000	99	50774	10.0	9.75	
42 Ethyl acetate	88	10.193	10.193	0.000	96	8499	10.0	10.6	
S 41 1,2-Dichloroethene, Total	61				0		20.0	20.2	
* 43 Chlorobromomethane	128	10.551	10.551	0.000	90	98016	10.0	10.0	
44 Tetrahydrofuran	42	10.567	10.567	0.000	91	111223	10.0	11.0	
45 Chloroform	83	10.700	10.700	0.000	98	280489	10.0	10.6	
46 Cyclohexane	84	10.914	10.914	0.000	91	155179	10.0	10.0	
47 1,1,1-Trichloroethane	97	10.962	10.962	0.000	90	320128	10.0	9.95	
48 Carbon tetrachloride	117	11.207	11.207	0.000	99	343948	10.0	9.86	
51 Isooctane	57	11.655	11.655	0.000	98	645621	10.0	10.6	
50 Benzene	78	11.693	11.693	0.000	97	392655	10.0	10.0	
52 1,2-Dichloroethane	62	11.896	11.896	0.000	99	231129	10.0	10.4	
53 n-Heptane	43	12.066	12.066	0.000	93	263232	10.0	10.9	
* 54 1,4-Difluorobenzene	114	12.568	12.568	0.000	96	618468	10.0	10.0	
55 n-Butanol	56	13.011	13.011	0.000	63	85009	10.0	10.9	
56 Trichloroethene	95	13.032	13.032	0.000	94	216994	10.0	10.1	
A 57 GRO	1	13.171	(4.852-21.491)		0	53225810	10.0	0	
58 1,2-Dichloropropane	63	13.609	13.609	0.000	89	196282	10.0	10.1	
59 Methyl methacrylate	69	13.801	13.801	0.000	90	182354	10.0	10.2	
60 1,4-Dioxane	88	13.860	13.860	0.000	43	79940	10.0	11.0	
61 Dibromomethane	174	13.870	13.870	0.000	89	163903	10.0	9.49	
62 Dichlorobromomethane	83	14.180	14.180	0.000	99	416424	10.0	10.1	
A 63 TVOC as Toluene	1	14.884	(2.994-26.774)		0	98793931	10.0	2821.2	
64 cis-1,3-Dichloropropene	75	15.130	15.130	0.000	94	299602	10.0	10.0	
65 4-Methyl-2-pentanone (MIBK	43	15.434	15.434	0.000	96	398074	10.0	9.91	
66 Toluene	92	15.712	15.712	0.000	91	342167	10.0	9.80	
A 67 Toluene Range	1	15.712	(15.672-15.752)		0	1365606	NC	NC	
68 n-Octane	43	15.770	15.770	0.000	93	423343	10.0	10.3	
A 69 C8 Range	1	16.010	(15.769-16.270)		0	1701073	NC	NC	
70 trans-1,3-Dichloropropene	75	16.331	16.331	0.000	96	322962	10.0	9.39	
71 1,1,2-Trichloroethane	83	16.704	16.704	0.000	90	191633	10.0	10.2	
72 Tetrachloroethene	166	16.790	16.790	0.000	85	255296	10.0	9.52	
73 2-Hexanone	43	17.168	17.168	0.000	96	391828	10.0	9.97	
74 Chlorodibromomethane	129	17.462	17.462	0.000	97	398031	10.0	10.5	
75 Ethylene Dibromide	107	17.729	17.729	0.000	98	340609	10.0	10.1	
* 76 Chlorobenzene-d5	117	18.625	18.625	0.000	71	616343	10.0	10.0	
77 Chlorobenzene	112	18.684	18.684	0.000	82	446276	10.0	9.72	
78 Ethylbenzene	91	18.834	18.834	0.000	98	774449	10.0	9.95	
79 n-Nonane	57	18.956	18.956	0.000	89	414560	10.0	10.4	
81 m-Xylene & p-Xylene	106	19.090	19.090	0.000	98	570160	20.0	19.7	
83 o-Xylene	106	19.928	19.928	0.000	90	301955	10.0	10.0	
84 Styrene	104	19.981	19.981	0.000	91	448906	10.0	10.4	
S 82 Xylenes, Total	106				0		30.0	29.7	
85 Bromoform	173	20.397	20.397	0.000	93	366701	10.0	10.5	
86 Isopropylbenzene	105	20.595	20.595	0.000	98	860784	10.0	10.1	
$ 87 4-Bromofluorobenzene	95	20.963	20.963	0.000	81	512543	NC	NC	
88 1,1,2,2-Tetrachloroethane	83	21.251	21.251	0.000	93	514751	10.0	10.6	
90 N-Propylbenzene	91	21.310	21.310	0.000	98	1098357	10.0	10.5	
89 1,2,3-Trichloropropane	75	21.347	21.347	0.000	91	423861	10.0	10.7	
93 n-Decane	57	21.481	21.481	0.000	88	523783	10.0	11.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
91 4-Ethyltoluene	105	21.497	21.497	0.000	88	819276	10.0	10.3	
92 2-Chlorotoluene	91	21.507	21.507	0.000	96	754900	10.0	10.2	
94 1,3,5-Trimethylbenzene	105	21.603	21.603	0.000	91	745029	10.0	10.2	
95 Alpha Methyl Styrene	118	21.966	21.966	0.000	84	364627	10.0	11.3	
96 tert-Butylbenzene	119	22.084	22.084	0.000	86	670172	10.0	10.0	
97 1,2,4-Trimethylbenzene	105	22.180	22.180	0.000	98	746843	10.0	10.3	
98 sec-Butylbenzene	105	22.409	22.409	0.000	97	1030515	10.0	10.3	
99 4-Isopropyltoluene	119	22.607	22.607	0.000	86	835076	10.0	10.2	
100 1,3-Dichlorobenzene	146	22.639	22.639	0.000	91	453260	10.0	9.85	
101 1,4-Dichlorobenzene	146	22.772	22.772	0.000	91	473569	10.0	10.1	
102 Benzyl chloride	91	22.970	22.970	0.000	97	651678	10.0	10.1	
103 n-Butylbenzene	91	23.173	23.173	0.000	99	861750	10.0	10.8	
104 Undecane	57	23.194	23.194	0.000	94	580927	10.0	11.9	
105 1,2-Dichlorobenzene	146	23.301	23.301	0.000	92	447603	10.0	9.89	
106 Dodecane	57	24.779	24.779	0.000	95	447896	10.0	11.9	
107 1,2,4-Trichlorobenzene	180	25.798	25.798	0.000	94	296233	10.0	11.0	
108 Hexachlorobutadiene	225	25.985	25.985	0.000	87	309134	10.0	10.4	
109 Naphthalene	128	26.289	26.289	0.000	99	723129	10.0	12.0	
110 1,2,3-Trichlorobenzene	180	26.764	26.764	0.000	95	245023	10.0	12.8	

QC Flag Legend

Processing Flags
NC - Not Calibrated

Reagents:

ATTO15CAL4w_00370	Amount Added: 200.00	Units: mL	
ATTO15CISs_00006	Amount Added: 20.00	Units: mL	Run Reagent

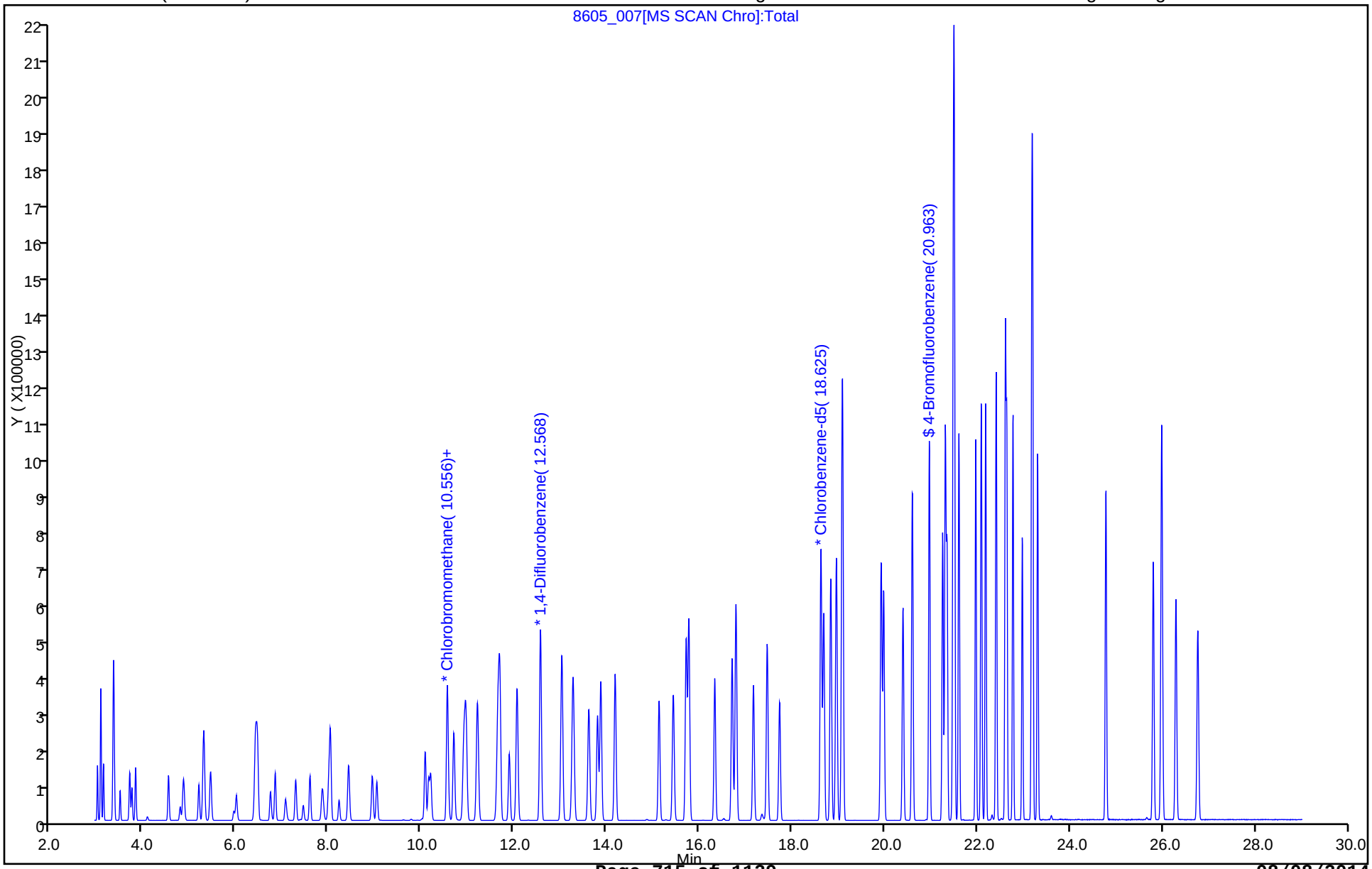
Report Date: 21-Jul-2014 11:26:23 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\8605_007.D

Injection Date:	17-Jul-2014 16:28:30	Instrument ID:	CHC.i	Operator ID:	wrd
Lims ID:	icis			Worklist Smp#:	7
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	6
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



TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\8605_008.D
Lims ID: ic
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 17-Jul-2014 17:21:30 ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0008605-008
Misc. Info.: ic-06
Operator ID: wrd Instrument ID: CHC.i
Sublist: chrom-TO15_LLNJ_TO3_CHC*sub2

Method: \\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\TO15_LLNJ_TO3_CHC.m
Limit Group: AI_TO15_ICAL
Last Update: 21-Jul-2014 11:27:44 Calib Date: 18-Jul-2014 09:36:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\8605_018.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK025

First Level Reviewer: desjardinsb Date: 18-Jul-2014 08:12:16

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	3.005	3.004	0.001	97	91147	15.0	14.5	
2 Dichlorodifluoromethane	85	3.074	3.074	0.000	88	499706	15.0	15.1	
6 Chlorodifluoromethane	51	3.133	3.132	0.001	64	222618	15.0	15.0	
7 1,2-Dichloro-1,1,2,2-tetra	85	3.351	3.351	0.000	89	422562	15.0	14.8	
8 Chloromethane	50	3.490	3.495	-0.005	88	117463	15.0	14.9	
9 Butane	43	3.698	3.698	0.000	96	186411	15.0	14.6	
10 Vinyl chloride	62	3.746	3.746	0.000	97	145276	15.0	15.1	
11 Butadiene	54	3.826	3.826	0.000	92	110418	15.0	15.3	
12 Bromomethane	94	4.536	4.536	0.000	97	145088	15.0	14.7	
13 Chloroethane	64	4.787	4.792	-0.005	99	62823	15.0	14.9	
14 2-Methylbutane	43	4.862	4.862	0.000	86	111096	15.0	14.2	
15 Vinyl bromide	106	5.193	5.192	0.001	94	135872	15.0	14.0	
16 Trichlorofluoromethane	101	5.299	5.299	0.000	98	515695	15.0	14.6	
17 Pentane	43	5.449	5.449	0.000	95	192463	15.0	14.7	
19 Ethanol	45	5.950	5.945	0.005	81	38688	20.0	14.9	
21 Ethyl ether	59	6.004	6.004	0.000	84	85691	15.0	15.4	
22 Acrolein	56	6.404	6.409	-0.005	42	35938	15.0	15.1	
23 1,1,2-Trichloro-1,2,2-trif	101	6.425	6.415	0.010	96	289442	15.0	14.6	
24 1,1-Dichloroethene	96	6.463	6.463	0.000	99	137122	15.0	14.7	
25 Acetone	43	6.735	6.740	-0.005	77	194361	15.0	15.1	
26 Carbon disulfide	76	6.842	6.842	0.000	99	355858	15.0	13.0	
27 Isopropyl alcohol	45	7.061	7.066	-0.005	97	144685	15.0	14.1	
29 3-Chloro-1-propene	41	7.285	7.285	0.000	84	141498	15.0	14.4	
30 Acetonitrile	41	7.445	7.450	-0.005	97	75423	15.0	15.1	
31 Methylene Chloride	49	7.589	7.589	0.000	89	132301	15.0	14.5	
32 2-Methyl-2-propanol	59	7.861	7.856	0.005	59	253281	15.0	14.9	
33 Methyl tert-butyl ether	73	8.005	8.005	0.000	95	403723	15.0	14.7	
34 trans-1,2-Dichloroethene	61	8.037	8.032	0.005	84	186596	15.0	14.4	
35 Acrylonitrile	53	8.219	8.219	0.001	93	80822	15.0	15.2	
36 Hexane	57	8.421	8.421	0.000	91	171300	15.0	14.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
37 1,1-Dichloroethane	63	8.939	8.934	0.005	100	256212	15.0	14.8	
38 Vinyl acetate	43	9.035	9.035	0.000	99	325295	15.0	15.1	
39 cis-1,2-Dichloroethene	96	10.076	10.076	0.000	97	180094	15.0	14.6	
40 2-Butanone (MEK)	72	10.151	10.156	-0.005	97	78901	15.0	13.9	
42 Ethyl acetate	88	10.193	10.193	0.000	94	13221	15.0	15.1	
S 41 1,2-Dichloroethene, Total	61				0		30.0	29.0	
* 43 Chlorobromomethane	128	10.556	10.551	0.005	83	106898	10.0	10.0	
44 Tetrahydrofuran	42	10.567	10.567	0.000	87	159958	15.0	14.8	
45 Chloroform	83	10.700	10.700	0.000	99	429524	15.0	14.8	
46 Cyclohexane	84	10.919	10.914	0.005	90	237310	15.0	14.3	
47 1,1,1-Trichloroethane	97	10.962	10.962	0.000	94	498255	15.0	14.5	
48 Carbon tetrachloride	117	11.207	11.207	0.000	99	544164	15.0	14.6	
51 Isooctane	57	11.656	11.655	0.001	98	931526	15.0	14.3	
50 Benzene	78	11.693	11.693	0.000	97	584280	15.0	13.9	
52 1,2-Dichloroethane	62	11.896	11.896	0.000	98	352759	15.0	14.8	
53 n-Heptane	43	12.067	12.066	0.001	92	377531	15.0	14.6	
* 54 1,4-Difluorobenzene	114	12.568	12.568	0.000	96	662299	10.0	10.0	
55 n-Butanol	56	13.011	13.011	0.000	59	120196	15.0	14.4	
56 Trichloroethene	95	13.033	13.032	0.001	95	350268	15.0	15.2	
A 57 GRO	1	13.171	(4.852-21.491)		0	84266447	15.0	0	
58 1,2-Dichloropropane	63	13.614	13.609	0.005	90	317677	15.0	15.2	
59 Methyl methacrylate	69	13.801	13.801	0.000	88	301873	15.0	15.8	
60 1,4-Dioxane	88	13.854	13.860	-0.006	47	113053	15.0	14.6	
61 Dibromomethane	174	13.876	13.870	0.006	91	276631	15.0	15.0	
62 Dichlorobromomethane	83	14.180	14.180	0.000	99	685207	15.0	15.5	
A 63 TVOC as Toluene	1	14.884	(2.994-26.774)		0	154773615	15.0	4127.3	
64 cis-1,3-Dichloropropene	75	15.130	15.130	0.000	93	497132	15.0	15.5	
65 4-Methyl-2-pentanone (MIBK	43	15.434	15.434	0.000	96	629407	15.0	14.6	
A 67 Toluene Range	1	15.712	(15.672-15.752)		0	2367213	NC	NC	
66 Toluene	92	15.717	15.712	0.005	93	556298	15.0	14.3	
68 n-Octane	43	15.770	15.770	0.000	92	656562	15.0	14.9	
A 69 C8 Range	1	15.787	(15.769-16.270)		0	2548184	NC	NC	
70 trans-1,3-Dichloropropene	75	16.331	16.331	0.000	96	530383	15.0	14.4	
71 1,1,2-Trichloroethane	83	16.704	16.704	0.000	83	312904	15.0	15.0	
72 Tetrachloroethene	166	16.790	16.790	0.000	86	423726	15.0	14.2	
73 2-Hexanone	43	17.169	17.168	0.001	95	616281	15.0	14.1	
74 Chlorodibromomethane	129	17.468	17.462	0.006	97	653644	15.0	15.4	
75 Ethylene Dibromide	107	17.734	17.729	0.005	98	556270	15.0	14.8	
* 76 Chlorobenzene-d5	117	18.626	18.625	0.001	62	686330	10.0	10.0	
77 Chlorobenzene	112	18.684	18.684	0.000	90	738341	15.0	14.4	
78 Ethylbenzene	91	18.839	18.834	0.005	98	1249703	15.0	14.4	
79 n-Nonane	57	18.957	18.956	0.001	89	645696	15.0	14.6	
81 m-Xylene & p-Xylene	106	19.090	19.090	0.000	99	912803	30.0	28.3	
83 o-Xylene	106	19.923	19.928	-0.006	93	489869	15.0	14.6	
84 Styrene	104	19.981	19.981	0.000	92	735141	15.0	15.3	
S 82 Xylenes, Total	106				0		45.0	42.9	
85 Bromoform	173	20.397	20.397	0.000	94	612785	15.0	15.8	
86 Isopropylbenzene	105	20.595	20.595	0.000	97	1365876	15.0	14.4	
$ 87 4-Bromofluorobenzene	95	20.963	20.963	0.000	82	556878	NC	NC	
88 1,1,2,2-Tetrachloroethane	83	21.251	21.251	0.000	95	791369	15.0	14.7	
90 N-Propylbenzene	91	21.310	21.310	0.000	98	1670270	15.0	14.4	
89 1,2,3-Trichloropropane	75	21.347	21.347	0.000	90	660241	15.0	14.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
93 n-Decane	57	21.476	21.481	-0.005	88	733858	15.0	14.4	
91 4-Ethyltoluene	105	21.497	21.497	0.000	88	1234215	15.0	13.9	
92 2-Chlorotoluene	91	21.508	21.507	0.001	96	1136109	15.0	13.8	
94 1,3,5-Trimethylbenzene	105	21.604	21.603	0.001	92	1179243	15.0	14.5	
95 Alpha Methyl Styrene	118	21.967	21.966	0.001	85	589939	15.0	16.4	
96 tert-Butylbenzene	119	22.089	22.084	0.005	91	1070850	15.0	14.4	
97 1,2,4-Trimethylbenzene	105	22.180	22.180	0.000	98	1168196	15.0	14.5	
98 sec-Butylbenzene	105	22.410	22.409	0.001	96	1586047	15.0	14.2	
99 4-Isopropyltoluene	119	22.607	22.607	0.000	93	1314396	15.0	14.4	
100 1,3-Dichlorobenzene	146	22.639	22.639	0.000	92	735538	15.0	14.4	
101 1,4-Dichlorobenzene	146	22.772	22.772	0.000	91	764797	15.0	14.6	
102 Benzyl chloride	91	22.970	22.970	0.000	98	1032590	15.0	14.4	
103 n-Butylbenzene	91	23.178	23.173	0.006	99	1296455	15.0	14.6	
104 Undecane	57	23.199	23.194	0.005	93	827381	15.0	15.3	
105 1,2-Dichlorobenzene	146	23.306	23.301	0.005	93	740274	15.0	14.7	
106 Dodecane	57	24.779	24.779	0.000	94	682397	15.0	16.3	
107 1,2,4-Trichlorobenzene	180	25.804	25.798	0.006	93	478893	15.0	16.0	
108 Hexachlorobutadiene	225	25.985	25.985	0.000	88	534506	15.0	16.2	
109 Naphthalene	128	26.289	26.289	0.000	99	1000971	15.0	14.9	
110 1,2,3-Trichlorobenzene	180	26.764	26.764	0.000	94	391619	15.0	18.4	

QC Flag Legend

Processing Flags
NC - Not Calibrated

Reagents:

ATTO15CAL5w_00046	Amount Added: 200.00	Units: mL	
ATTO15CISs_00006	Amount Added: 20.00	Units: mL	Run Reagent

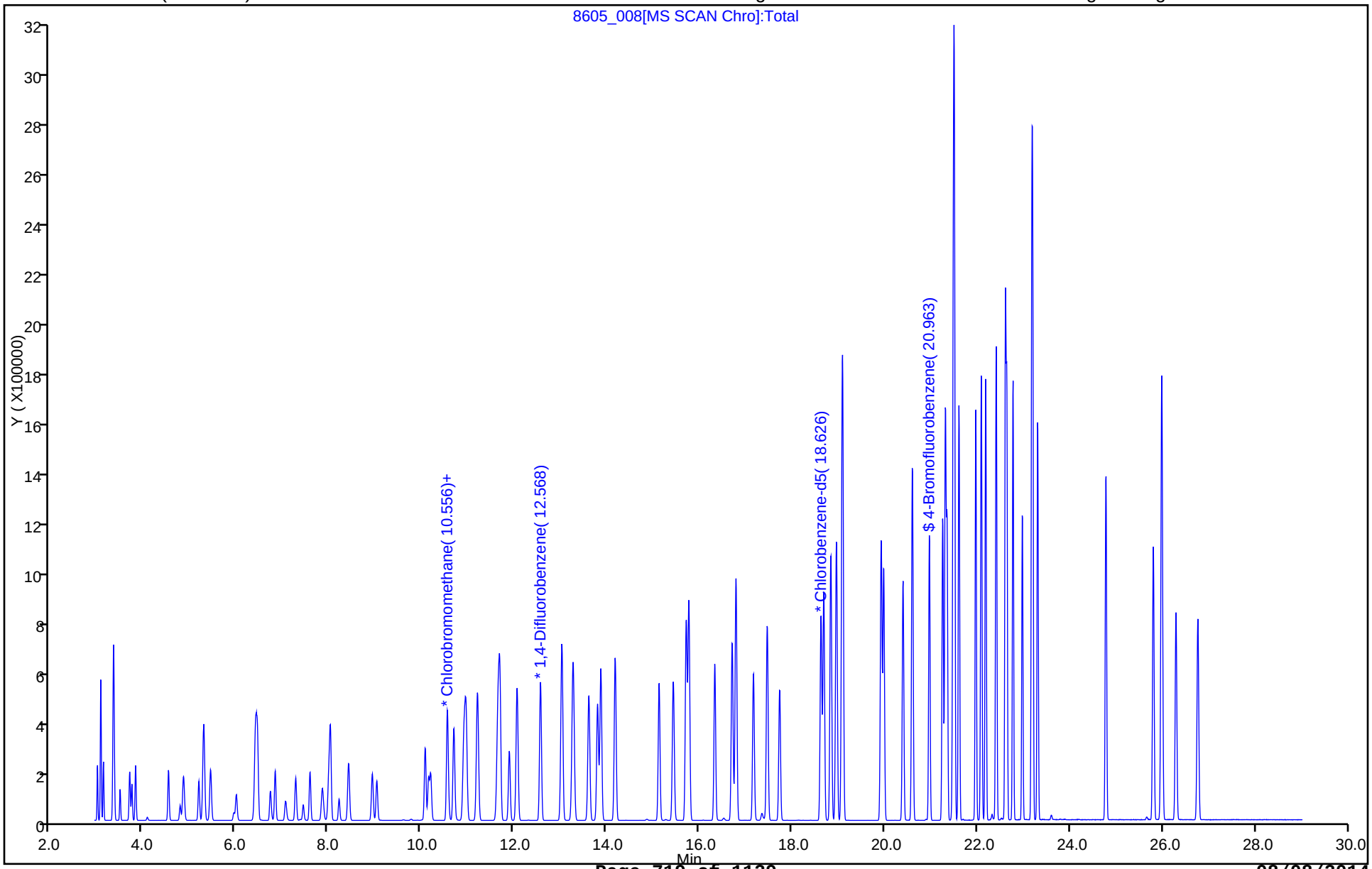
Report Date: 21-Jul-2014 11:27:44 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\8605_008.D

Injection Date:	17-Jul-2014 17:21:30	Instrument ID:	CHC.i	Operator ID:	wrd
Lims ID:	ic			Worklist Smp#:	8
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	7
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



TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\8605_009.D
Lims ID: ic
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 17-Jul-2014 18:14:30 ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0008605-009
Misc. Info.: ic-07
Operator ID: wrd Instrument ID: CHC.i
Sublist: chrom-TO15_LLNJ_TO3_CHC*sub2

Method: \\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\TO15_LLNJ_TO3_CHC.m
Limit Group: AI_TO15_ICAL
Last Update: 21-Jul-2014 11:27:46 Calib Date: 18-Jul-2014 09:36:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\8605_018.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK025

First Level Reviewer: desjardinsb Date: 18-Jul-2014 08:12:58

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	3.005	3.004	0.000	97	124366	20.0	18.0	
2 Dichlorodifluoromethane	85	3.074	3.074	0.000	98	696559	20.0	19.1	
6 Chlorodifluoromethane	51	3.133	3.132	0.001	96	307501	20.0	18.8	
7 1,2-Dichloro-1,1,2,2-tetra	85	3.351	3.351	0.000	96	600525	20.0	19.0	
8 Chloromethane	50	3.490	3.495	-0.005	98	162753	20.0	18.8	
9 Butane	43	3.698	3.698	0.000	97	253137	20.0	18.0	
10 Vinyl chloride	62	3.746	3.746	0.000	98	205692	20.0	19.4	
11 Butadiene	54	3.826	3.826	0.000	92	150656	20.0	18.9	
12 Bromomethane	94	4.536	4.536	0.000	99	217966	20.0	20.1	
13 Chloroethane	64	4.787	4.792	-0.005	99	91315	20.0	19.7	
14 2-Methylbutane	43	4.862	4.862	0.000	90	155056	20.0	18.0	
15 Vinyl bromide	106	5.193	5.192	0.001	98	206906	20.0	19.4	
16 Trichlorofluoromethane	101	5.299	5.299	0.000	99	736449	20.0	18.9	
17 Pentane	43	5.449	5.449	0.000	94	262702	20.0	18.3	
19 Ethanol	45	5.945	5.945	0.000	98	107276	40.0	37.5	
21 Ethyl ether	59	5.999	6.004	-0.006	90	120780	20.0	19.7	
22 Acrolein	56	6.404	6.409	-0.005	96	53108	20.0	20.2	
23 1,1,2-Trichloro-1,2,2-trif	101	6.425	6.415	0.010	98	421214	20.0	19.3	
24 1,1-Dichloroethene	96	6.457	6.463	-0.006	97	201033	20.0	19.6	
25 Acetone	43	6.735	6.740	-0.005	87	251822	20.0	17.8	
26 Carbon disulfide	76	6.842	6.842	0.000	99	510013	20.0	16.9	
27 Isopropyl alcohol	45	7.066	7.066	0.000	98	197724	20.0	17.5	
29 3-Chloro-1-propene	41	7.285	7.285	0.000	87	200030	20.0	18.5	
30 Acetonitrile	41	7.445	7.450	-0.005	97	96772	20.0	17.6	
31 Methylene Chloride	49	7.594	7.589	0.005	86	182858	20.0	18.2	
32 2-Methyl-2-propanol	59	7.861	7.856	0.005	99	331483	20.0	17.8	
33 Methyl tert-butyl ether	73	8.005	8.005	0.000	95	573397	20.0	19.0	
34 trans-1,2-Dichloroethene	61	8.032	8.032	0.000	91	259430	20.0	18.2	
35 Acrylonitrile	53	8.219	8.219	0.001	94	113337	20.0	19.4	
36 Hexane	57	8.427	8.421	0.006	91	243439	20.0	18.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
37 1,1-Dichloroethane	63	8.939	8.934	0.005	100	361268	20.0	19.0	
38 Vinyl acetate	43	9.035	9.035	0.000	99	449222	20.0	19.0	
39 cis-1,2-Dichloroethene	96	10.081	10.076	0.005	99	260755	20.0	19.2	
40 2-Butanone (MEK)	72	10.156	10.156	0.000	99	109559	20.0	17.5	
42 Ethyl acetate	88	10.204	10.193	0.011	99	19001	20.0	19.8	
S 41 1,2-Dichloroethene, Total	61				0		40.0	37.4	
* 43 Chlorobromomethane	128	10.556	10.551	0.005	85	117746	10.0	10.0	
44 Tetrahydrofuran	42	10.567	10.567	0.000	87	210918	20.0	18.2	
45 Chloroform	83	10.700	10.700	0.000	100	599592	20.0	18.8	
46 Cyclohexane	84	10.914	10.914	0.000	89	337385	20.0	19.1	
47 1,1,1-Trichloroethane	97	10.962	10.962	0.000	96	698162	20.0	19.0	
48 Carbon tetrachloride	117	11.207	11.207	0.000	99	774382	20.0	19.4	
51 Isooctane	57	11.656	11.655	0.001	99	1239576	20.0	17.8	
50 Benzene	78	11.693	11.693	0.000	96	810014	20.0	18.1	
52 1,2-Dichloroethane	62	11.896	11.896	0.000	99	478828	20.0	18.8	
53 n-Heptane	43	12.061	12.066	-0.005	90	490549	20.0	17.7	
* 54 1,4-Difluorobenzene	114	12.568	12.568	0.000	95	708019	10.0	10.0	
55 n-Butanol	56	13.011	13.011	0.000	87	171406	20.0	19.2	
56 Trichloroethene	95	13.033	13.032	0.001	97	484460	20.0	19.7	
A 57 GRO	1	13.171	(4.852-21.491)		0	116532444	20.0	0	
58 1,2-Dichloropropane	63	13.614	13.609	0.005	90	438725	20.0	19.7	
59 Methyl methacrylate	69	13.801	13.801	0.000	88	416306	20.0	20.4	
60 1,4-Dioxane	88	13.854	13.860	-0.006	91	151441	20.0	18.3	
61 Dibromomethane	174	13.876	13.870	0.006	94	402383	20.0	20.4	
62 Dichlorobromomethane	83	14.185	14.180	0.005	99	947379	20.0	20.1	
A 63 TVOC as Toluene	1	14.884	(2.994-26.774)		0	214771756	20.0	5357.4	
64 cis-1,3-Dichloropropene	75	15.130	15.130	0.000	92	693165	20.0	20.3	
65 4-Methyl-2-pentanone (MIBK	43	15.434	15.434	0.000	95	829876	20.0	18.0	
A 67 Toluene Range	1	15.712	(15.672-15.752)		0	3199499	NC	NC	
66 Toluene	92	15.717	15.712	0.005	94	772495	20.0	18.9	
68 n-Octane	43	15.776	15.770	0.006	90	848546	20.0	18.0	
A 69 C8 Range	1	15.787	(15.769-16.270)		0	3446130	NC	NC	
70 trans-1,3-Dichloropropene	75	16.331	16.331	0.000	96	737545	20.0	18.7	
71 1,1,2-Trichloroethane	83	16.710	16.704	0.006	95	424407	20.0	19.3	
72 Tetrachloroethene	166	16.790	16.790	0.000	93	605901	20.0	19.3	
73 2-Hexanone	43	17.169	17.168	0.001	95	810473	20.0	17.6	
74 Chlorodibromomethane	129	17.462	17.462	0.000	97	914416	20.0	20.5	
75 Ethylene Dibromide	107	17.734	17.729	0.005	99	778242	20.0	19.8	
* 76 Chlorobenzene-d5	117	18.626	18.625	0.001	88	721627	10.0	10.0	
77 Chlorobenzene	112	18.684	18.684	0.000	92	1035136	20.0	19.3	
78 Ethylbenzene	91	18.839	18.834	0.005	98	1696351	20.0	18.6	
79 n-Nonane	57	18.957	18.956	0.000	86	859207	20.0	18.4	
81 m-Xylene & p-Xylene	106	19.090	19.090	0.000	98	1256510	40.0	37.1	
83 o-Xylene	106	19.928	19.928	0.000	94	674503	20.0	19.1	
84 Styrene	104	19.981	19.981	0.000	93	1029784	20.0	20.4	
S 82 Xylenes, Total	106				0		60.0	56.2	
85 Bromoform	173	20.397	20.397	0.000	94	876341	20.0	21.4	
86 Isopropylbenzene	105	20.600	20.595	0.005	97	1845477	20.0	18.6	
$ 87 4-Bromofluorobenzene	95	20.963	20.963	0.000	94	577736	NC	NC	
88 1,1,2,2-Tetrachloroethane	83	21.251	21.251	0.000	97	1060469	20.0	18.7	
90 N-Propylbenzene	91	21.310	21.310	0.000	99	2187609	20.0	17.9	
89 1,2,3-Trichloropropane	75	21.347	21.347	0.000	96	882584	20.0	19.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
93 n-Decane	57	21.481	21.481	0.000	85	902967	20.0	16.8	
91 4-Ethyltoluene	105	21.502	21.497	0.005	97	1622218	20.0	17.4	
92 2-Chlorotoluene	91	21.508	21.507	0.001	96	1475390	20.0	17.0	
94 1,3,5-Trimethylbenzene	105	21.604	21.603	0.001	93	1584720	20.0	18.6	
95 Alpha Methyl Styrene	118	21.967	21.966	0.001	87	824175	20.0	21.7	
96 tert-Butylbenzene	119	22.089	22.084	0.005	91	1463567	20.0	18.7	
97 1,2,4-Trimethylbenzene	105	22.180	22.180	0.000	98	1584159	20.0	18.6	
98 sec-Butylbenzene	105	22.409	22.409	0.000	96	2104071	20.0	17.9	
99 4-Isopropyltoluene	119	22.607	22.607	0.000	94	1766708	20.0	18.5	
100 1,3-Dichlorobenzene	146	22.639	22.639	0.000	93	1048513	20.0	19.5	
101 1,4-Dichlorobenzene	146	22.772	22.772	0.000	91	1087854	20.0	19.8	
102 Benzyl chloride	91	22.975	22.970	0.005	99	1610524	20.0	21.4	
103 n-Butylbenzene	91	23.178	23.173	0.006	98	1689983	20.0	18.1	
104 Undecane	57	23.199	23.194	0.005	94	1032061	20.0	18.1	
105 1,2-Dichlorobenzene	146	23.306	23.301	0.005	93	1056396	20.0	19.9	
106 Dodecane	57	24.779	24.779	0.000	95	933862	20.0	21.2	
107 1,2,4-Trichlorobenzene	180	25.804	25.798	0.006	94	795256	20.0	25.2	
108 Hexachlorobutadiene	225	25.985	25.985	0.000	93	794271	20.0	22.9	
109 Naphthalene	128	26.289	26.289	0.000	98	1785273	20.0	25.2	
110 1,2,3-Trichlorobenzene	180	26.764	26.764	0.000	95	668097	20.0	29.9	

QC Flag Legend

Processing Flags
NC - Not Calibrated

Reagents:

ATTO15CAL6w_00092	Amount Added: 200.00	Units: mL	
ATTO15CISs_00006	Amount Added: 20.00	Units: mL	Run Reagent

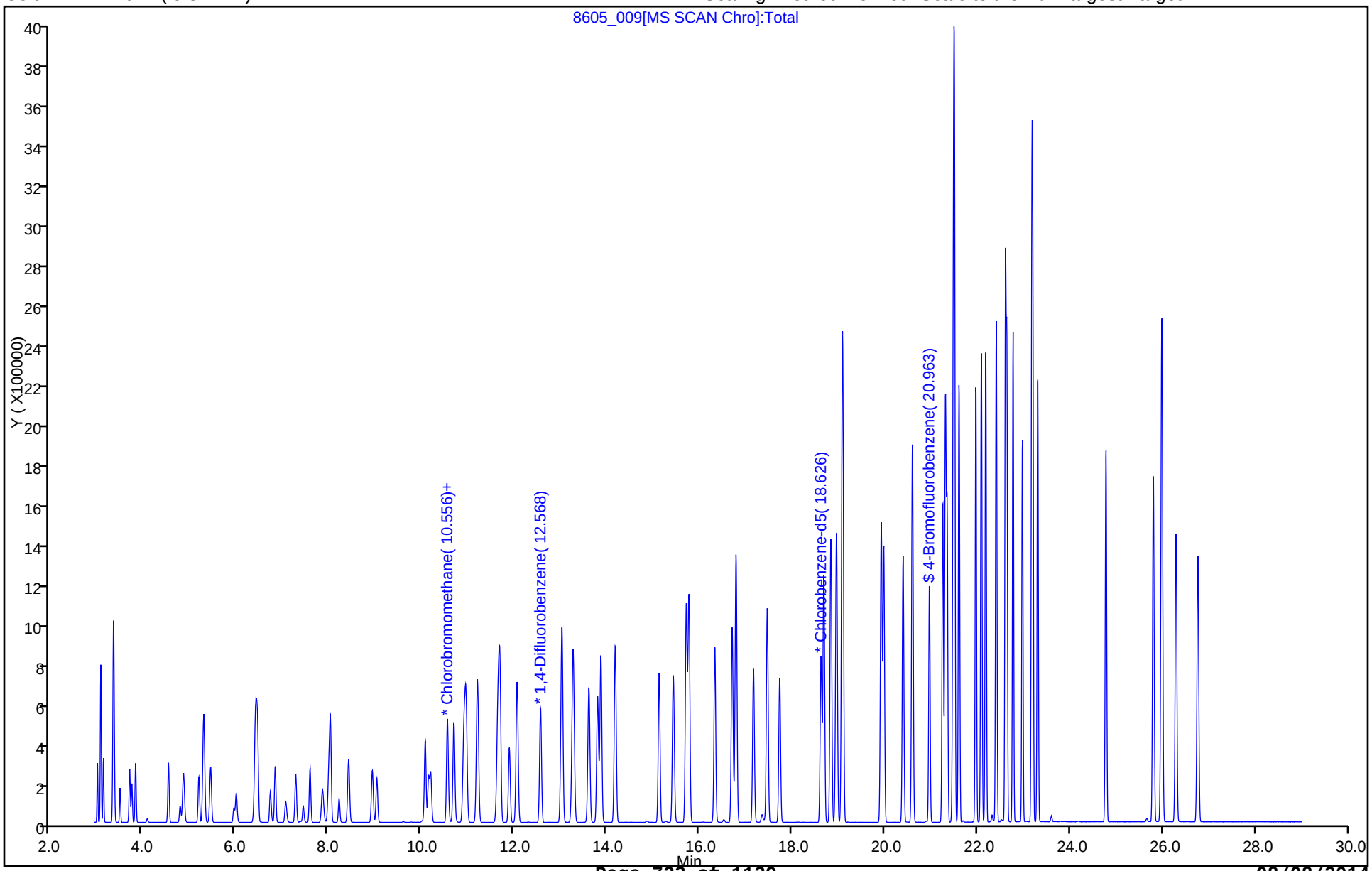
Report Date: 21-Jul-2014 11:27:46 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\8605_009.D

Injection Date:	17-Jul-2014 18:14:30	Instrument ID:	CHC.i	Operator ID:	wrd
Lims ID:	ic			Worklist Smp#:	9
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	8
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



TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\8605_010.D
Lims ID: ic
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 17-Jul-2014 19:07:30 ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0008605-010
Misc. Info.: ic-08
Operator ID: wrd Instrument ID: CHC.i
Sublist: chrom-TO15_LLNJ_TO3_CHC*sub2

Method: \\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\TO15_LLNJ_TO3_CHC.m
Limit Group: AI_TO15_ICAL
Last Update: 21-Jul-2014 11:27:47 Calib Date: 18-Jul-2014 09:36:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\8605_018.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK025

First Level Reviewer: desjardinsb Date: 18-Jul-2014 08:14:53

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	3.004	3.004	0.000	97	228574	40.0	29.2	
2 Dichlorodifluoromethane	85	3.074	3.074	0.000	87	1252865	40.0	30.3	
6 Chlorodifluoromethane	51	3.133	3.132	0.000	43	558518	40.0	30.2	
7 1,2-Dichloro-1,1,2,2-tetra	85	3.351	3.351	0.000	83	1122250	40.0	31.4	
8 Chloromethane	50	3.490	3.495	-0.005	88	304692	40.0	31.0	
9 Butane	43	3.698	3.698	0.000	97	466058	40.0	29.2	
10 Vinyl chloride	62	3.746	3.746	0.000	81	392494	40.0	32.6	
11 Butadiene	54	3.826	3.826	0.000	91	286874	40.0	31.8	
12 Bromomethane	94	4.536	4.536	0.000	99	442544	40.0	36.0	
13 Chloroethane	64	4.787	4.792	-0.005	94	180918	40.0	34.5	
14 2-Methylbutane	43	4.862	4.862	0.000	86	292688	40.0	30.0	
15 Vinyl bromide	106	5.193	5.192	0.001	90	441897	40.0	36.5	
16 Trichlorofluoromethane	101	5.299	5.299	0.000	98	1439288	40.0	32.6	
17 Pentane	43	5.449	5.449	0.000	93	492613	40.0	30.2	
19 Ethanol	45	5.956	5.945	0.011	98	372386	100.0	115.1	
21 Ethyl ether	59	5.998	6.004	-0.006	89	236530	40.0	34.0	
22 Acrolein	56	6.404	6.409	-0.005	43	93886	40.0	31.6	
23 1,1,2-Trichloro-1,2,2-trif	101	6.425	6.415	0.010	94	849899	40.0	34.4	
24 1,1-Dichloroethene	96	6.463	6.463	0.000	95	406513	40.0	35.0	
25 Acetone	43	6.735	6.740	-0.005	79	498653	40.0	31.0	
26 Carbon disulfide	76	6.842	6.842	0.000	98	1016612	40.0	29.8	
27 Isopropyl alcohol	45	7.071	7.066	0.005	98	385621	40.0	30.1	
29 3-Chloro-1-propene	41	7.285	7.285	0.000	85	371204	40.0	30.4	
30 Acetonitrile	41	7.450	7.450	0.000	97	202149	40.0	32.5	
31 Methylene Chloride	49	7.594	7.589	0.005	83	345359	40.0	30.4	
32 2-Methyl-2-propanol	59	7.866	7.856	0.010	17	672871	40.0	31.8	
33 Methyl tert-butyl ether	73	8.005	8.005	0.000	94	1122978	40.0	32.8	
34 trans-1,2-Dichloroethene	61	8.037	8.032	0.005	89	493186	40.0	30.6	
35 Acrylonitrile	53	8.224	8.219	0.006	93	227866	40.0	34.4	
36 Hexane	57	8.427	8.421	0.006	90	470122	40.0	31.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
37 1,1-Dichloroethane	63	8.939	8.934	0.005	99	701547	40.0	32.5	
38 Vinyl acetate	43	9.040	9.035	0.005	99	841223	40.0	31.4	
39 cis-1,2-Dichloroethene	96	10.081	10.076	0.005	96	527949	40.0	34.3	
40 2-Butanone (MEK)	72	10.156	10.156	0.000	97	219019	40.0	30.9	
42 Ethyl acetate	88	10.199	10.193	0.006	97	39837	40.0	36.6	
S 41 1,2-Dichloroethene, Total	61				0		80.0	64.9	
* 43 Chlorobromomethane	128	10.556	10.551	0.005	81	133343	10.0	10.0	
44 Tetrahydrofuran	42	10.561	10.567	-0.006	84	394917	40.0	31.5	
45 Chloroform	83	10.700	10.700	0.000	99	1159330	40.0	32.1	
46 Cyclohexane	84	10.919	10.914	0.005	87	663501	40.0	34.6	
47 1,1,1-Trichloroethane	97	10.962	10.962	0.000	94	1344419	40.0	33.7	
48 Carbon tetrachloride	117	11.213	11.207	0.006	99	1517785	40.0	35.1	
51 Isooctane	57	11.656	11.655	0.001	98	2205153	40.0	29.2	
50 Benzene	78	11.698	11.693	0.005	96	1518530	40.0	31.2	
52 1,2-Dichloroethane	62	11.901	11.896	0.005	99	902561	40.0	32.8	
53 n-Heptane	43	12.066	12.066	0.000	88	868104	40.0	28.9	
* 54 1,4-Difluorobenzene	114	12.573	12.568	0.005	94	766999	10.0	10.0	
55 n-Butanol	56	13.011	13.011	0.000	59	290550	40.0	30.1	
56 Trichloroethene	95	13.038	13.032	0.006	98	918195	40.0	34.5	
A 57 GRO	1	13.171	(4.852-21.491)		0	225893026	40.0	0	
58 1,2-Dichloropropane	63	13.614	13.609	0.005	89	811721	40.0	33.6	
59 Methyl methacrylate	69	13.806	13.801	0.005	85	791764	40.0	35.8	
60 1,4-Dioxane	88	13.860	13.860	0.000	48	289233	40.0	32.2	
61 Dibromomethane	174	13.876	13.870	0.006	96	836701	40.0	39.1	
62 Dichlorobromomethane	83	14.185	14.180	0.005	98	1775024	40.0	34.7	
A 63 TVOC as Toluene	1	14.884	(2.994-26.774)		0	397103415	40.0	9143.9	
64 cis-1,3-Dichloropropene	75	15.135	15.130	0.005	91	1307990	40.0	35.3	
65 4-Methyl-2-pentanone (MIBK	43	15.439	15.434	0.005	94	1473708	40.0	29.6	
A 67 Toluene Range	1	15.712	(15.672-15.752)		0	6116004	NC	NC	
66 Toluene	92	15.717	15.712	0.005	94	1466029	40.0	32.6	
68 n-Octane	43	15.776	15.770	0.006	86	1438601	40.0	28.1	
A 69 C8 Range	1	15.795	(15.769-16.270)		0	6004200	NC	NC	
70 trans-1,3-Dichloropropene	75	16.336	16.331	0.005	96	1387226	40.0	32.5	
71 1,1,2-Trichloroethane	83	16.710	16.704	0.006	92	810040	40.0	33.5	
72 Tetrachloroethene	166	16.795	16.790	0.005	88	1241236	40.0	35.9	
73 2-Hexanone	43	17.169	17.168	0.001	93	1435422	40.0	28.3	
74 Chlorodibromomethane	129	17.467	17.462	0.005	96	1778349	40.0	36.2	
75 Ethylene Dibromide	107	17.734	17.729	0.005	99	1501365	40.0	34.6	
* 76 Chlorobenzene-d5	117	18.631	18.625	0.006	60	794986	10.0	10.0	
77 Chlorobenzene	112	18.690	18.684	0.006	91	2002544	40.0	33.8	
78 Ethylbenzene	91	18.839	18.834	0.005	95	3037164	40.0	30.3	
79 n-Nonane	57	18.962	18.956	0.006	83	1481314	40.0	28.8	
81 m-Xylene & p-Xylene	106	19.095	19.090	0.005	93	2316456	80.0	62.1	
83 o-Xylene	106	19.933	19.928	0.005	95	1310135	40.0	33.7	
84 Styrene	104	19.981	19.981	0.000	92	1980260	40.0	35.6	
S 82 Xylenes, Total	106				0		120.0	95.8	
85 Bromoform	173	20.403	20.397	0.006	95	1783424	40.0	39.6	
86 Isopropylbenzene	105	20.600	20.595	0.005	97	3230814	40.0	29.5	
$ 87 4-Bromofluorobenzene	95	20.968	20.963	0.005	87	622329	NC	NC	
88 1,1,2,2-Tetrachloroethane	83	21.257	21.251	0.006	92	1856858	40.0	29.8	
90 N-Propylbenzene	91	21.315	21.310	0.005	94	3475040	40.0	25.8	
89 1,2,3-Trichloropropane	75	21.353	21.347	0.006	84	1543742	40.0	30.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
93 n-Decane	57	21.481	21.481	0.000	83	1289973	40.0	21.8	
91 4-Ethyltoluene	105	21.502	21.497	0.005	86	2652952	40.0	25.9	
92 2-Chlorotoluene	91	21.513	21.507	0.006	96	2362434	40.0	24.7	
94 1,3,5-Trimethylbenzene	105	21.609	21.603	0.006	95	2751280	40.0	29.3	
95 Alpha Methyl Styrene	118	21.972	21.966	0.006	86	1573981	40.0	37.7	
96 tert-Butylbenzene	119	22.089	22.084	0.005	86	2609316	40.0	30.2	
97 1,2,4-Trimethylbenzene	105	22.185	22.180	0.005	95	2687293	40.0	28.7	
98 sec-Butylbenzene	105	22.415	22.409	0.006	91	3390598	40.0	26.2	
99 4-Isopropyltoluene	119	22.612	22.607	0.005	88	2910200	40.0	27.6	
100 1,3-Dichlorobenzene	146	22.639	22.639	0.000	91	1960581	40.0	33.0	
101 1,4-Dichlorobenzene	146	22.772	22.772	0.000	90	2045769	40.0	33.8	
102 Benzyl chloride	91	22.975	22.970	0.005	97	2461395	40.0	29.7	
103 n-Butylbenzene	91	23.178	23.173	0.006	93	2633187	40.0	25.5	
104 Undecane	57	23.205	23.194	0.011	88	1489480	40.0	23.7	
105 1,2-Dichlorobenzene	146	23.306	23.301	0.005	91	1994362	40.0	34.2	
106 Dodecane	57	24.779	24.779	0.000	91	1458172	40.0	30.0	
107 1,2,4-Trichlorobenzene	180	25.804	25.798	0.006	95	1655381	40.0	47.7	
108 Hexachlorobutadiene	225	25.985	25.985	0.000	92	1694003	40.0	44.4	
109 Naphthalene	128	26.295	26.289	0.006	97	3105052	40.0	39.9	
110 1,2,3-Trichlorobenzene	180	26.764	26.764	0.000	94	1422982	40.0	57.8	

QC Flag Legend

Processing Flags
NC - Not Calibrated

Reagents:

ATTO15CAL7w_00047	Amount Added: 200.00	Units: mL	
ATTO15CISs_00006	Amount Added: 20.00	Units: mL	Run Reagent

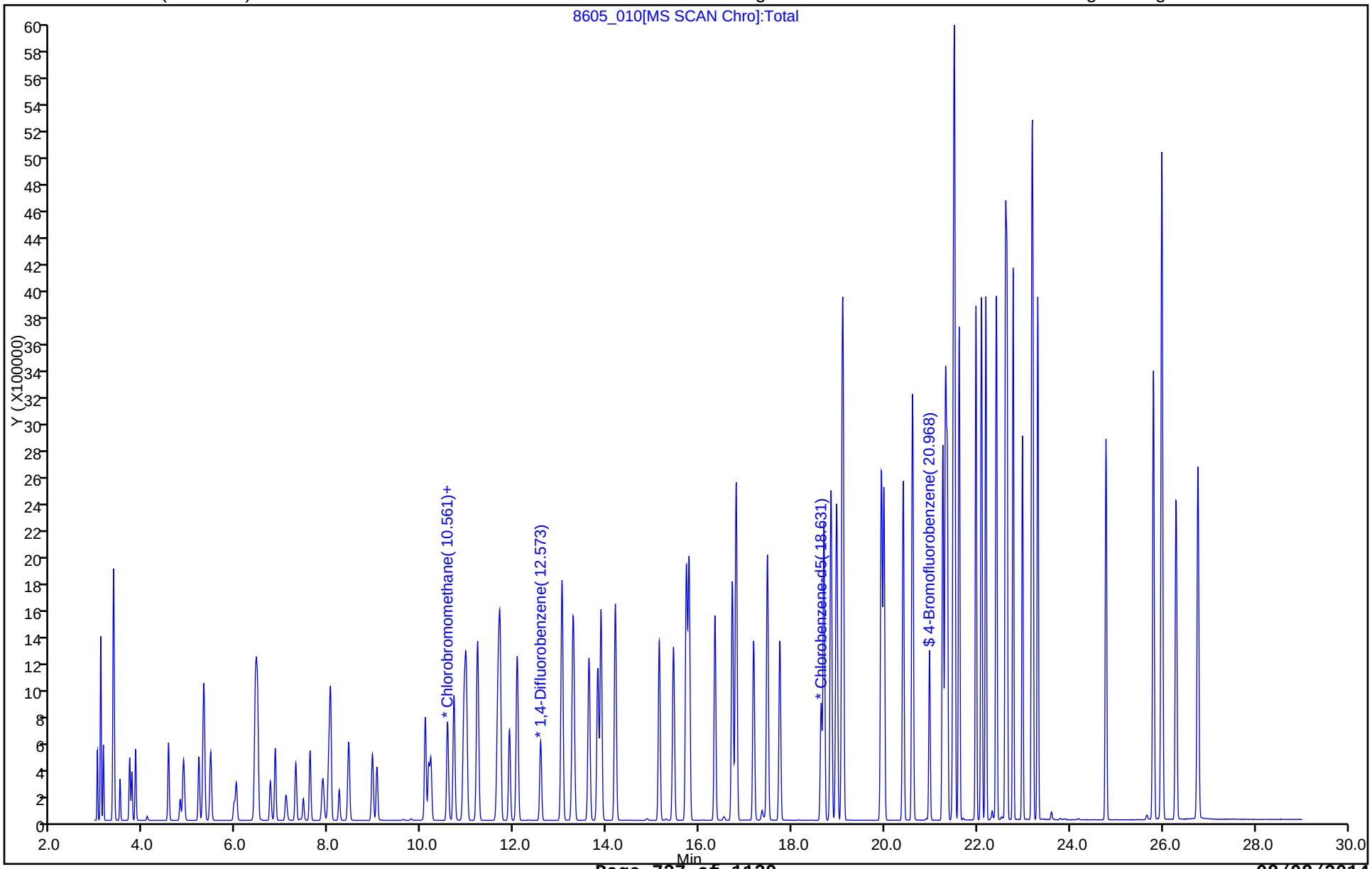
Report Date: 21-Jul-2014 11:27:47 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\8605_010.D

Injection Date:	17-Jul-2014 19:07:30	Instrument ID:	CHC.i	Operator ID:	wrd
Lims ID:	ic			Worklist Smp#:	10
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	9
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



TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\8605_018.D
Lims ID: ic
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 18-Jul-2014 09:36:30 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0008605-018
Misc. Info.: ic-03
Operator ID: wrd Instrument ID: CHC.i
Sublist: chrom-TO15_LLNJ_TO3_CHC*sub2

Method: \\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\TO15_LLNJ_TO3_CHC.m
Limit Group: AI_TO15_ICAL
Last Update: 21-Jul-2014 11:28:10 Calib Date: 18-Jul-2014 09:36:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\8605_018.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK025

First Level Reviewer: daiglep Date: 18-Jul-2014 11:25:10

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	3.004	3.004	0.000	95	4594	0.5005	0.6080	
2 Dichlorodifluoromethane	85	3.079	3.074	0.005	98	21806	0.5005	0.5465	
6 Chlorodifluoromethane	51	3.132	3.132	0.000	96	8940	0.5005	0.5005	
7 1,2-Dichloro-1,1,2,2-tetra	85	3.351	3.351	0.000	89	19023	0.5005	0.5512	
8 Chloromethane	50	3.490	3.495	-0.005	98	5159	0.5005	0.5436	
9 Butane	43	3.698	3.698	0.000	95	9155	0.5005	0.5945	
10 Vinyl chloride	62	3.752	3.746	0.006	97	6228	0.5005	0.5361	
11 Butadiene	54	3.826	3.826	0.000	90	4377	0.5005	0.5018	
12 Bromomethane	94	4.536	4.536	0.000	97	7132	0.5005	0.6008	
13 Chloroethane	64	4.792	4.792	0.000	95	2757	0.5005	0.5442	
14 2-Methylbutane	43	4.856	4.862	-0.006	92	5127	0.5005	0.5446	
15 Vinyl bromide	106	5.198	5.192	0.006	85	6815	0.5005	0.5834	
16 Trichlorofluoromethane	101	5.299	5.299	0.000	99	23367	0.5005	0.5478	
17 Pentane	43	5.443	5.449	-0.006	93	8995	0.5005	0.5715	
19 Ethanol	45	5.956	5.945	0.011	99	17088	5.01	5.47	
21 Ethyl ether	59	6.014	6.004	0.010	91	3483	0.5005	0.5180	M
22 Acrolein	56	6.420	6.409	0.011	81	2372	0.5005	0.8259	M
23 1,1,2-Trichloro-1,2,2-trif	101	6.425	6.415	0.010	96	13911	0.5005	0.5827	
24 1,1-Dichloroethene	96	6.463	6.463	0.000	95	6730	0.5005	0.5998	
25 Acetone	43	6.751	6.740	0.011	87	27795	0.5005	1.79	
26 Carbon disulfide	76	6.836	6.842	-0.006	99	27625	0.5005	0.8383	
27 Isopropyl alcohol	45	7.092	7.066	0.026	52	7179	0.5005	0.5798	M
29 3-Chloro-1-propene	41	7.285	7.285	0.000	86	5623	0.5005	0.4764	
30 Acetonitrile	41	7.455	7.450	0.005	93	3010	0.5005	0.5015	
31 Methylene Chloride	49	7.589	7.589	0.000	82	6355	0.5005	0.5795	
32 2-Methyl-2-propanol	59	7.882	7.856	0.026	98	10854	0.5005	0.5315	
33 Methyl tert-butyl ether	73	8.021	8.005	0.016	95	18359	0.5005	0.5552	
34 trans-1,2-Dichloroethene	61	8.032	8.032	0.000	88	8170	0.5005	0.5248	
35 Acrylonitrile	53	8.219	8.219	0.000	91	2994	0.5005	0.4680	
36 Hexane	57	8.421	8.421	0.000	90	7865	0.5005	0.5501	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
37 1,1-Dichloroethane	63	8.939	8.934	0.005	98	10765	0.5005	0.5165	
38 Vinyl acetate	43	9.035	9.035	0.000	99	12254	0.5005	0.4732	
39 cis-1,2-Dichloroethene	96	10.070	10.076	-0.006	97	8234	0.5005	0.5537	
40 2-Butanone (MEK)	72	10.161	10.156	0.005	98	4922	0.5005	0.7193	
42 Ethyl acetate	88		10.193					ND	
S 41 1,2-Dichloroethene, Total	61				0		1.00	1.08	
* 43 Chlorobromomethane	128	10.551	10.551	0.000	76	128825	10.0	10.0	
44 Tetrahydrofuran	42	10.588	10.567	0.021	83	7015	0.5005	0.5982	
45 Chloroform	83	10.695	10.700	-0.005	98	17591	0.5005	0.5046	
46 Cyclohexane	84	10.914	10.914	0.000	88	10023	0.5005	0.5600	
47 1,1,1-Trichloroethane	97	10.956	10.962	-0.006	96	20785	0.5005	0.5578	M
48 Carbon tetrachloride	117	11.207	11.207	0.000	97	22171	0.5005	0.5488	
51 Isooctane	57	11.650	11.655	-0.005	98	38003	0.5005	0.5389	
50 Benzene	78	11.687	11.693	-0.006	95	26287	0.5005	0.5790	
52 1,2-Dichloroethane	62	11.890	11.896	-0.006	98	13665	0.5005	0.5314	
53 n-Heptane	43	12.056	12.066	-0.010	86	14685	0.5005	0.5232	
* 54 1,4-Difluorobenzene	114	12.563	12.568	-0.005	95	716481	10.0	10.0	
55 n-Butanol	56	13.027	13.011	0.016	62	9037	0.5005	1.00	
56 Trichloroethene	95	13.032	13.032	0.000	98	14376	0.5005	0.5778	
A 57 GRO	1	13.171	(4.852-21.491)		0	3943013	0.5005	0	
58 1,2-Dichloropropane	63	13.609	13.609	0.000	90	12125	0.5005	0.5376	
59 Methyl methacrylate	69	13.801	13.801	0.000	79	10406	0.5005	0.5039	
60 1,4-Dioxane	88	13.881	13.860	0.021	47	5785	0.5005	0.6890	
61 Dibromomethane	174	13.870	13.870	0.000	94	12105	0.5005	0.6052	
62 Dichlorobromomethane	83	14.180	14.180	0.000	98	25544	0.5005	0.5343	
A 63 TVOC as Toluene	1	14.884	(2.994-26.774)		0	6671666	0.5005	164.5	
64 cis-1,3-Dichloropropene	75	15.124	15.130	-0.006	91	18938	0.5005	0.5469	
65 4-Methyl-2-pentanone (MIBK	43	15.439	15.434	0.005	95	32122	0.5005	0.6902	
A 67 Toluene Range	1	15.712	(15.672-15.752)		0	106659	NC	NC	
66 Toluene	92	15.706	15.712	-0.006	94	24014	0.5005	0.5964	
68 n-Octane	43	15.765	15.770	-0.005	91	27517	0.5005	0.5756	
A 69 C8 Range	1	15.784	(15.769-16.270)		0	102618	NC	NC	
70 trans-1,3-Dichloropropene	75	16.331	16.331	0.000	81	23302	0.5005	0.5848	
71 1,1,2-Trichloroethane	83	16.699	16.704	-0.005	94	12248	0.5005	0.5655	
72 Tetrachloroethene	166	16.790	16.790	0.000	93	18566	0.5005	0.6002	
73 2-Hexanone	43	17.168	17.168	0.000	94	32703	0.5005	0.7214	
74 Chlorodibromomethane	129	17.457	17.462	-0.005	97	23531	0.5005	0.5361	
75 Ethylene Dibromide	107	17.724	17.729	-0.005	99	21987	0.5005	0.5663	
* 76 Chlorobenzene-d5	117	18.620	18.625	-0.005	88	711147	10.0	10.0	
77 Chlorobenzene	112	18.684	18.684	0.000	93	32353	0.5005	0.6107	
78 Ethylbenzene	91	18.834	18.834	0.000	98	55300	0.5005	0.6160	
79 n-Nonane	57	18.956	18.956	0.000	86	27188	0.5005	0.5919	
81 m-Xylene & p-Xylene	106	19.084	19.090	-0.006	99	41908	1.00	1.26	
83 o-Xylene	106	19.922	19.928	-0.006	93	20653	0.5005	0.5937	
84 Styrene	104	19.976	19.981	-0.005	95	27081	0.5005	0.5438	
S 82 Xylenes, Total	106				0		1.50	1.85	
85 Bromoform	173	20.397	20.397	0.000	94	20277	0.5005	0.5035	
86 Isopropylbenzene	105	20.595	20.595	0.000	96	59967	0.5005	0.6119	
$ 87 4-Bromofluorobenzene	95	20.963	20.963	0.000	94	532522	NC	NC	
88 1,1,2,2-Tetrachloroethane	83	21.246	21.251	-0.005	97	32598	0.5005	0.5842	
90 N-Propylbenzene	91	21.310	21.310	0.000	99	75096	0.5005	0.6233	
89 1,2,3-Trichloropropane	75	21.342	21.347	-0.005	98	26863	0.5005	0.5856	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
93 n-Decane	57	21.475	21.481	-0.006	90	34562	0.5005	0.6541	
91 4-Ethyltoluene	105	21.497	21.497	0.000	97	59395	0.5005	0.6473	
92 2-Chlorotoluene	91	21.502	21.507	-0.005	95	55753	0.5005	0.6522	
94 1,3,5-Trimethylbenzene	105	21.598	21.603	-0.005	92	51280	0.5005	0.6103	
95 Alpha Methyl Styrene	118	21.966	21.966	0.000	90	16827	0.5005	0.4504	
96 tert-Butylbenzene	119	22.084	22.084	0.000	91	47603	0.5005	0.6165	
97 1,2,4-Trimethylbenzene	105	22.175	22.180	-0.006	98	51275	0.5005	0.6125	
98 sec-Butylbenzene	105	22.404	22.409	-0.005	99	73432	0.5005	0.6343	
99 4-Isopropyltoluene	119	22.607	22.607	0.000	97	60260	0.5005	0.6391	
100 1,3-Dichlorobenzene	146	22.633	22.639	-0.006	94	32538	0.5005	0.6128	
101 1,4-Dichlorobenzene	146	22.767	22.772	-0.005	93	32100	0.5005	0.5921	
102 Benzyl chloride	91	22.970	22.970	0.000	98	44518	0.5005	0.6003	
103 n-Butylbenzene	91	23.173	23.173	0.000	98	57090	0.5005	0.6192	
104 Undecane	57	23.194	23.194	0.000	95	32582	0.5005	0.5800	
105 1,2-Dichlorobenzene	146	23.301	23.301	0.000	92	30410	0.5005	0.5823	
106 Dodecane	57	24.779	24.779	0.000	93	4362	0.5005	0.1003	
107 1,2,4-Trichlorobenzene	180	25.798	25.798	0.000	92	7747	0.5005	0.2494	
108 Hexachlorobutadiene	225	25.980	25.985	-0.005	88	16322	0.5005	0.4777	
109 Naphthalene	128	26.289	26.289	0.000	98	19978	0.5005	0.2867	
110 1,2,3-Trichlorobenzene	180	26.759	26.764	-0.005	91	5708	0.5005	0.2593	

QC Flag Legend

Processing Flags
NC - Not Calibrated
ND - Not Detected or Marked ND

Review Flags
M - Manually Integrated

Reagents:

ATTO15CAL2w_00136	Amount Added: 200.00	Units: mL	
ATTO15CISs_00006	Amount Added: 20.00	Units: mL	Run Reagent

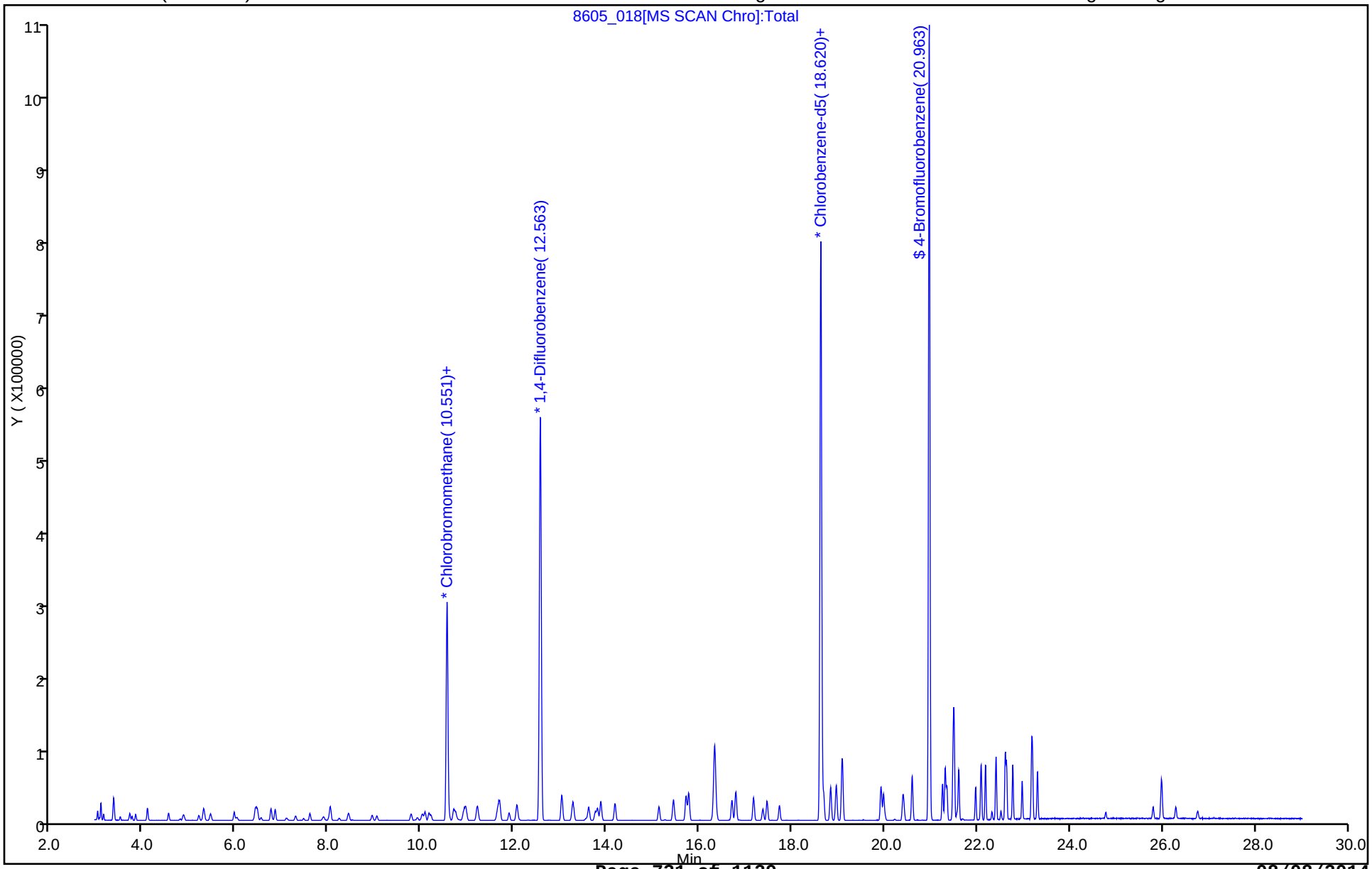
Report Date: 21-Jul-2014 11:28:11 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\8605_018.D

Injection Date:	18-Jul-2014 09:36:30	Instrument ID:	CHC.i	Operator ID:	wrd
Lims ID:	ic			Worklist Smp#:	18
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	17
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



Manual Integration/User Assign Peak Report

TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\8605_018.D				
Injection Date:	18-Jul-2014 09:36:30	Instrument ID:	CHC.i		
Lims ID:	ic				
Client ID:					
Operator ID:	wrd	ALS Bottle#:	17	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

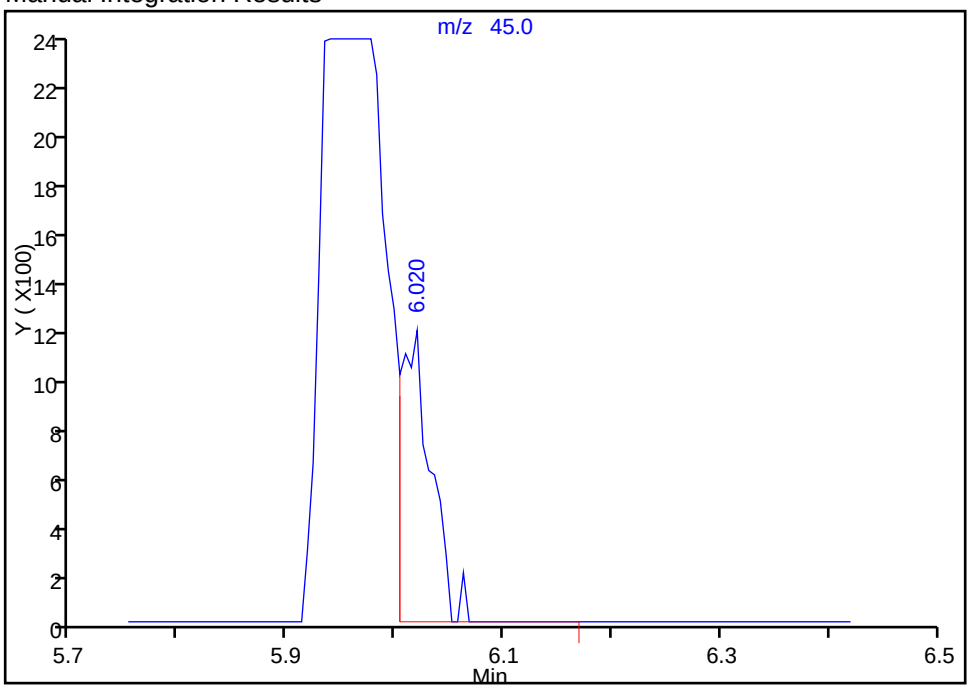
21 Ethyl ether, CAS: 60-29-7

Processing Integration Results

RT: 6.00
Response: 0
Amount: 0.518002

Manual Integration Results

RT: 6.02
Response: 2316
Amount: 0.518002



Reviewer: daiglep, 18-Jul-2014 11:25:10
Audit Action: Split an Integrated Peak
Audit Reason: Peak not found by the data system

Manual Integration/User Assign Peak Report

TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\8605_018.D				
Injection Date:	18-Jul-2014 09:36:30	Instrument ID:	CHC.i		
Lims ID:	ic				
Client ID:					
Operator ID:	wrd	ALS Bottle#:	17	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

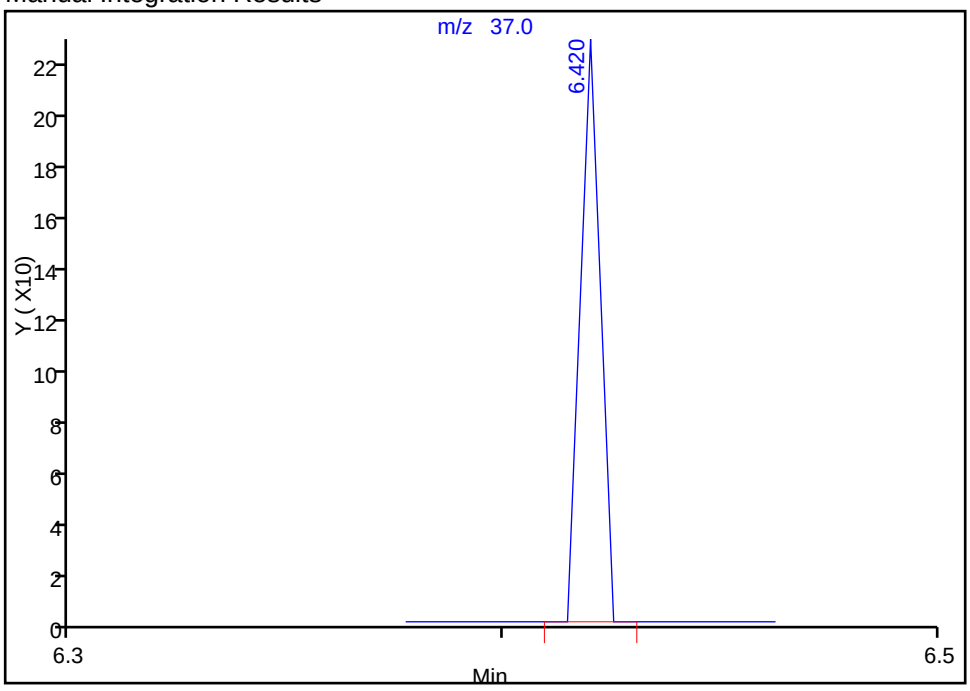
22 Acrolein, CAS: 107-02-8

Processing Integration Results

RT: 6.41
Response: 0
Amount: 0.745121

Manual Integration Results

RT: 6.42
Response: 73
Amount: 0.825874



Reviewer: daiglep, 18-Jul-2014 11:25:10
Audit Action: Manually Integrated
Audit Reason: Peak not found by the data system

Manual Integration/User Assign Peak Report

TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\8605_018.D				
Injection Date:	18-Jul-2014 09:36:30	Instrument ID:	CHC.i		
Lims ID:	ic				
Client ID:					
Operator ID:	wrd	ALS Bottle#:	17	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

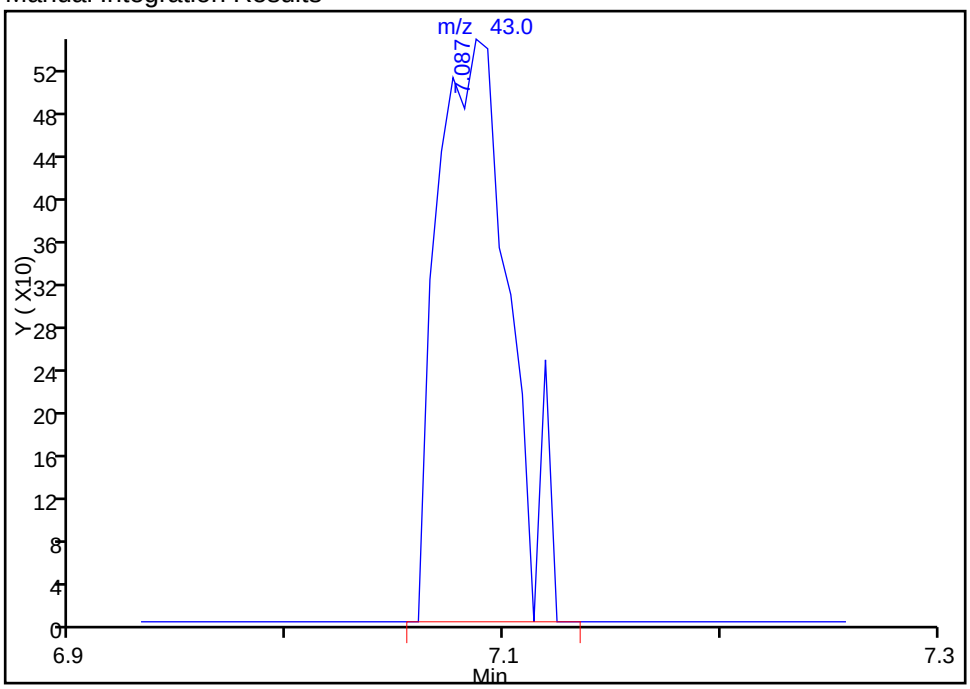
27 Isopropyl alcohol, CAS: 67-63-0

Processing Integration Results

RT: 7.07
Response: 0
Amount: 0.579844

Manual Integration Results

RT: 7.09
Response: 1263
Amount: 0.579844



Reviewer: daiglep, 18-Jul-2014 11:25:10
Audit Action: Manually Integrated
Audit Reason: Peak not found by the data system

Manual Integration/User Assign Peak Report

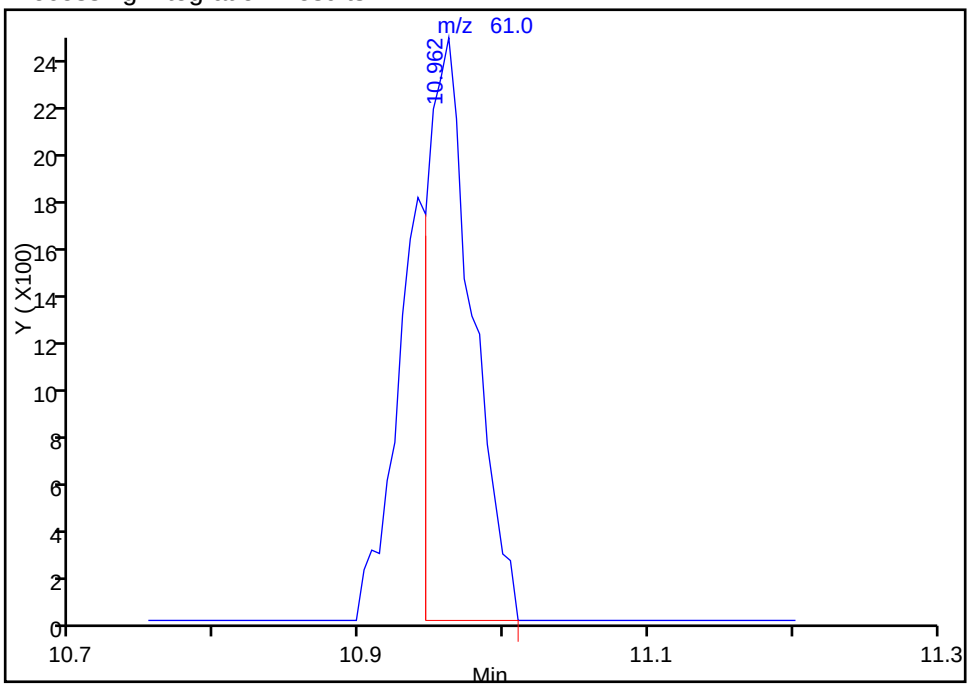
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\8605_018.D
Injection Date: 18-Jul-2014 09:36:30 Instrument ID: CHC.i
Lims ID: ic
Client ID:
Operator ID: wrd ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHC Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

47 1,1,1-Trichloroethane, CAS: 71-55-6

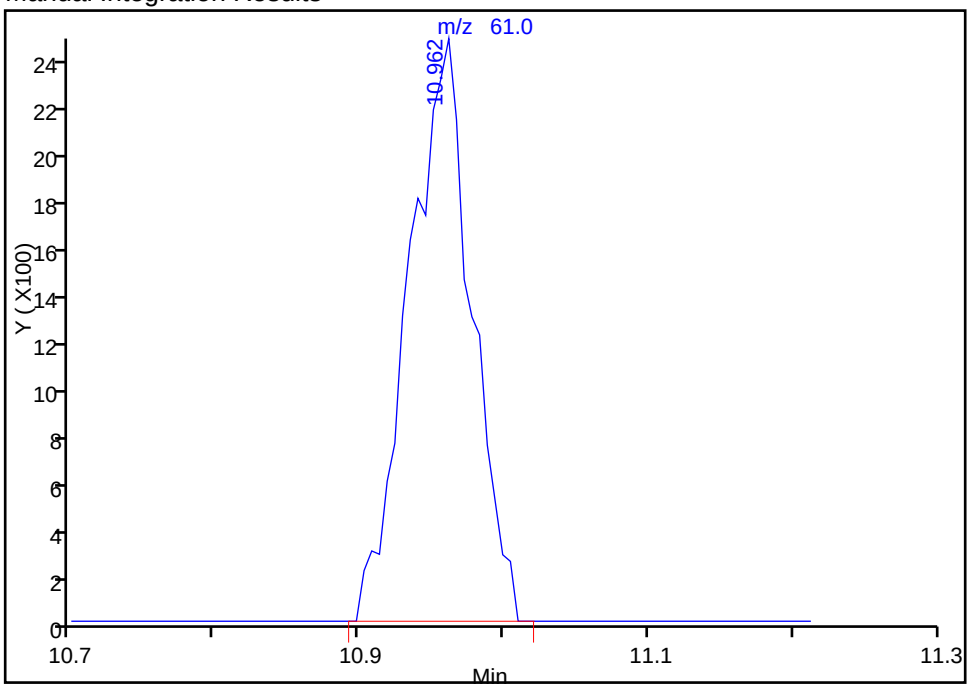
Processing Integration Results

RT: 10.96
Response: 5260
Amount: 0.557799



Manual Integration Results

RT: 10.96
Response: 7440
Amount: 0.557799



Reviewer: daiglep, 18-Jul-2014 11:25:10
Audit Action: Manually Integrated
Audit Reason: Baseline Event

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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1 Analy Batch No.: 74492

SDG No.:

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

Calibration Start Date: 07/02/2014 16:53 Calibration End Date: 07/02/2014 22:50 Calibration ID: 27459

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-74492/3	8394_003.D
Level 2	IC 200-74492/4	8394_004.D
Level 3	IC 200-74492/5	8394_005.D
Level 4	IC 200-74492/6	8394_006.D
Level 5	ICIS 200-74492/7	8394_007.D
Level 6	IC 200-74492/8	8394_008.D
Level 7	IC 200-74492/9	8394_009.D
Level 8	IC 200-74492/10	8394_010.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Propylene	+++++ 0.2221	+++++ 0.2215	0.2768 0.2077	0.2438	0.2310	Ave		0.2338				10.0		30.0			
Dichlorodifluoromethane	+++++ 1.8362	+++++ 1.8186	2.0429 1.6439	2.0002	1.8861	Ave		1.8713				7.6		30.0			
Freon 22	+++++ 0.6990	+++++ 0.6988	0.7730 0.6423	0.7845	0.7217	Ave		0.7199				7.3		30.0			
1,2-Dichlorotetrafluoroethane	+++++ 1.5484	1.8886 1.5238	1.7738 1.3774	1.7231	1.6006	Ave		1.6337				11.0		30.0			
Chloromethane	+++++ 0.3486	+++++ 0.3462	0.3926 0.3266	0.3826	0.3588	Ave		0.3592				6.8		30.0			
n-Butane	+++++ 0.4296	+++++ 0.4310	0.5139 0.3995	0.4844	0.4446	Ave		0.4505				9.2		30.0			
Vinyl chloride	0.6601 0.4622	0.5456 0.4627	0.5177 0.4337	0.5132	0.4752	Ave		0.5088				14.0		30.0			
1,3-Butadiene	+++++ 0.2812	0.3467 0.2807	0.3205 0.2616	0.3095	0.2877	Ave		0.2983				9.7		30.0			
Bromomethane	+++++ 0.6697	0.8043 0.6713	0.7225 0.6224	0.7255	0.6845	Ave		0.7000				8.3		30.0			
Chloroethane	+++++ 0.1712	+++++ 0.1722	0.1948 0.1631	0.1827	0.1740	Ave		0.1763				6.2		30.0			
Isopentane	+++++ 0.2618	0.3163 0.2589	0.2983 0.2438	0.2881	0.2693	Ave		0.2766				9.1		30.0			
Bromoethene(Vinyl Bromide)	+++++ 0.8023	0.8782 0.7973	0.8322 0.7483	0.8588	0.8108	Ave		0.8183				5.3		30.0			
Trichlorofluoromethane	+++++ 2.0092	2.3216 1.9991	2.2060 1.8584	2.1850	2.0592	Ave		2.0912				7.4		30.0			
n-Pentane	+++++ 0.4409	+++++ 0.4386	0.5323 0.4134	0.4930	0.4573	Ave		0.4626				9.3		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1 Analy Batch No.: 74492

SDG No.:

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

Calibration Start Date: 07/02/2014 16:53 Calibration End Date: 07/02/2014 22:50 Calibration ID: 27459

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Ethanol	+++++ 0.0987	+++++ 0.1196	0.1151 0.1036	0.1274	0.1017	Ave		0.1110				10.0		30.0			
Ethyl ether	+++++ 0.2305	0.2659 0.2333	0.2601 0.2205	0.2498	0.2387	Ave		0.2427				6.8		30.0			
Acrolein	+++++ 0.0991	+++++ 0.1051	+++++ 0.0901	0.1220	0.1018	Ave		0.1036				11.0		30.0			
Freon TF	+++++ 1.3183	1.4910 1.3097	1.4796 1.1963	1.4444	1.3595	Ave		1.3713				7.8		30.0			
1,1-Dichloroethene	+++++ 0.5667	0.6742 0.5674	0.6484 0.5215	0.6246	0.5873	Ave		0.5986				8.9		30.0			
Acetone	+++++ 0.4862	+++++ 0.4611	+++++ 0.4603	0.5204	0.5237	Ave		0.4904				6.3		30.0			
Carbon disulfide	+++++ 1.4275	+++++ 1.4350	2.1250 1.3500	1.5477	1.4619	Ave		1.5579				18.0		30.0			
Isopropyl alcohol	+++++ 0.4118	+++++ 0.3931	+++++ 0.4000	0.3944	0.4445	Ave		0.4088				5.2		30.0			
3-Chloropropene	+++++ 0.3514	0.4598 0.3588	0.4202 0.3342	0.3917	0.3585	Ave		0.3821				12.0		30.0			
Acetonitrile	+++++ 0.1938	+++++ 0.1858	+++++ 0.1858	0.2076	0.1982	Ave		0.1943				4.7		30.0			
Methylene Chloride	+++++ 0.4168	+++++ 0.4128	0.5094 0.3871	0.4633	0.4255	Ave		0.4358				10.0		30.0			
tert-Butyl alcohol	+++++ 0.7681	+++++ 0.7320	+++++ 0.7502	0.7194	0.8165	Ave		0.7572				5.0		30.0			
Methyl tert-butyl ether	+++++ 1.3262	1.4734 1.3303	1.4324 1.2467	1.4244	1.3454	Ave		1.3684				5.7		30.0			
trans-1,2-Dichloroethene	+++++ 0.6233	0.7348 0.6191	0.6746 0.5723	0.6828	0.6355	Ave		0.6489				8.2		30.0			
Acrylonitrile	+++++ 0.2364	+++++ 0.2363	0.2392 0.2266	0.2499	0.2392	Ave		0.2379				3.1		30.0			
n-Hexane	+++++ 0.4789	0.6062 0.4714	0.5187 0.4468	0.5137	0.4845	Ave		0.5029				10.0		30.0			
1,1-Dichloroethane	1.2649 0.8878	0.9770 0.8886	0.9375 0.8401	0.9476	0.9024	Ave		0.9557				14.0		30.0			
Vinyl acetate	+++++ 0.8599	+++++ 0.8687	+++++ 0.8131	0.9352	0.8681	Ave		0.8690				5.0		30.0			
cis-1,2-Dichloroethene	+++++ 0.8446	0.9592 0.8444	0.9232 0.7893	0.9063	0.8491	Ave		0.8737				6.7		30.0			
Methyl Ethyl Ketone	+++++ 0.2558	+++++ 0.2515	0.3148 0.2423	0.2812	0.2642	Ave		0.2683				9.8		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1 Analy Batch No.: 74492

SDG No.:

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

Calibration Start Date: 07/02/2014 16:53 Calibration End Date: 07/02/2014 22:50 Calibration ID: 27459

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Ethyl acetate	+++++ 0.0404	+++++ 0.0397	+++++ 0.0374	0.0421	0.0399	Ave		0.0399				4.2		30.0			
Tetrahydrofuran	+++++ 0.0671	+++++ 0.0658	+++++ 0.0622	0.0747	0.0689	Ave		0.0677				6.8		30.0			
Chloroform	+++++ 1.7444	1.9658 1.7493	1.8747 1.6206	1.8887	1.7845	Ave		1.8040				6.4		30.0			
Cyclohexane	+++++ 0.1514	0.1814 0.1503	0.1666 0.1384	0.1713	0.1566	Ave		0.1594				9.1		30.0			
1,1,1-Trichloroethane	+++++ 0.3517	0.4009 0.3481	0.3910 0.3205	0.3979	0.3592	Ave		0.3670				8.2		30.0			
Carbon tetrachloride	0.6067 0.4643	0.5130 0.4605	0.4953 0.4255	0.5177	0.4730	Ave		0.4945				11.0		30.0			
2,2,4-Trimethylpentane	+++++ 0.4623	0.5469 0.4522	0.5208 0.4044	0.5373	0.4805	Ave		0.4864				11.0		30.0			
Benzene	+++++ 0.4083	0.5395 0.4003	0.4882 0.3595	0.4769	0.4229	Ave		0.4422				14.0		30.0			
1,2-Dichloroethane	+++++ 0.2003	0.2247 0.1987	0.2174 0.1863	0.2255	0.2046	Ave		0.2082				7.1		30.0			
n-Heptane	+++++ 0.1502	0.1873 0.1469	0.1771 0.1315	0.1762	0.1562	Ave		0.1608				12.0		30.0			
n-Butanol	+++++ 0.0604	+++++ 0.0622	+++++ 0.0557	0.0643	0.0681	Ave		0.0621				7.4		30.0			
Trichloroethene	0.4193 0.2918	0.3449 0.2858	0.3289 0.2559	0.3312	0.3007	Ave		0.3198				15.0		30.0			
1,2-Dichloropropane	+++++ 0.1978	0.2165 0.1956	0.2086 0.1778	0.2185	0.2019	Ave		0.2024				6.9		30.0			
Methyl methacrylate	+++++ 0.1819	+++++ 0.1791	0.1812 0.1628	0.1951	0.1838	Ave		0.1806				5.8		30.0			
1,4-Dioxane	+++++ 0.0986	+++++ 0.0907	+++++ 0.0851	0.1047	0.1063	Ave		0.0971				9.4		30.0			
Dibromomethane	+++++ 0.4443	0.4962 0.4427	0.4663 0.4054	0.4896	0.4493	Ave		0.4563				6.8		30.0			
Bromodichloromethane	+++++ 0.5574	0.5765 0.5567	0.5552 0.5111	0.6097	0.5633	Ave		0.5614				5.2		30.0			
cis-1,3-Dichloropropene	+++++ 0.3980	0.4173 0.3954	0.3526 0.3638	0.4404	0.4022	Ave		0.3957				7.6		30.0			
methyl isobutyl ketone	+++++ 0.3252	+++++ 0.3168	0.4373 0.2861	0.3678	0.3349	Ave		0.3447				15.0		30.0			
Toluene	+++++ 0.4491	0.4762 0.4404	0.4389 0.3901	0.5498	0.4594	Ave		0.4577				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.: 280-58004-1 Analy Batch No.: 74492

SDG No.:

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

Calibration Start Date: 07/02/2014 16:53 Calibration End Date: 07/02/2014 22:50 Calibration ID: 27459

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
n-Octane	+++++ 0.3103	0.3415 0.2989	0.3209 0.2534	0.3742	0.3255	Ave		0.3178				12.0		30.0			
trans-1,3-Dichloropropene	+++++ 0.4187	0.3935 0.4149	0.3695 0.3826	0.4620	0.4232	Ave		0.4092				7.5		30.0			
1,1,2-Trichloroethane	+++++ 0.2426	0.2379 0.2333	0.2292 0.2186	0.2903	0.2494	Ave		0.2430				9.5		30.0			
Tetrachloroethene	0.8181 0.5641	0.6107 0.5679	0.5901 0.5297	0.6613	0.5686	Ave		0.6138				15.0		30.0			
Methyl Butyl Ketone (2-Hexanone)	+++++ 0.2726	+++++ 0.2649	0.3717 0.2350	0.3310	0.2795	Ave		0.2925				17.0		30.0			
Dibromochloromethane	+++++ 0.7088	0.6270 0.7096	0.6138 0.6615	0.8165	0.7150	Ave		0.6932				9.8		30.0			
1,2-Dibromoethane	+++++ 0.5404	0.5102 0.5332	0.5058 0.4895	0.6468	0.5498	Ave		0.5394				9.6		30.0			
Chlorobenzene	+++++ 0.7118	0.7728 0.7032	0.7156 0.6441	0.8542	0.7251	Ave		0.7324				9.0		30.0			
Ethylbenzene	+++++ 0.9362	0.9724 0.9197	0.9445 0.7970	1.1578	0.9667	Ave		0.9563				11.0		30.0			
n-Nonane	+++++ 0.3125	0.3313 0.3033	0.3111 0.2572	0.3997	0.3283	Ave		0.3205				13.0		30.0			
m,p-Xylene	+++++ 0.4017	0.4385 0.3878	0.4161 0.3446	0.5094	0.4247	Ave		0.4175				12.0		30.0			
Xylene, o-	+++++ 0.4352	0.4440 0.4259	0.4224 0.3727	0.5278	0.4474	Ave		0.4393				11.0		30.0			
Styrene	+++++ 0.6066	0.6086 0.5709	0.5796 0.5099	0.7771	0.6564	Ave		0.6156				14.0		30.0			
Bromoform	+++++ 0.8291	0.7182 0.8250	0.7223 0.7232	0.9577	0.8370	Ave		0.8018				11.0		30.0			
Cumene	+++++ 1.1377	1.1948 1.1256	1.1393 0.9853	1.3881	1.1780	Ave		1.1641				10.0		30.0			
1,1,2,2-Tetrachloroethane	+++++ 0.5984	0.5894 0.5845	0.5777 0.5034	0.7399	0.6233	Ave		0.6024				12.0		30.0			
n-Propylbenzene	+++++ 1.2687	1.3318 1.2360	1.3009 1.0280	1.5811	1.3209	Ave		1.2953				13.0		30.0			
1,2,3-Trichloropropane	+++++ 0.4153	+++++ 0.4023	0.4078 0.3519	0.5172	0.4307	Ave		0.4209				13.0		30.0			
n-Decane	+++++ 0.3514	+++++ 0.3219	0.3943 0.2365	0.4940	0.3884	Ave		0.3644				23.0		30.0			
4-Ethyltoluene	+++++ 1.0451	1.1744 0.9738	1.1309 0.7304	1.3470	1.1150	Ave		1.0738				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.: 280-58004-1 Analy Batch No.: 74492

SDG No.:

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

Calibration Start Date: 07/02/2014 16:53 Calibration End Date: 07/02/2014 22:50 Calibration ID: 27459

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
2-Chlorotoluene	+++++ 0.8084	0.9412 0.7457	0.9127 0.5708	1.0740	0.8708	Ave		0.8462				19.0		30.0			
1,3,5-Trimethylbenzene	+++++ 0.9300	0.9932 0.8773	0.9485 0.7714	1.1603	0.9817	Ave		0.9518				12.0		30.0			
Alpha Methyl Styrene	+++++ 0.5417	0.5146 0.5172	0.5058 0.4577	0.6658	0.5754	Ave		0.5397				12.0		30.0			
tert-Butylbenzene	+++++ 0.9034	1.0020 0.8529	0.9748 0.7730	1.1757	0.9871	Ave		0.9527				13.0		30.0			
1,2,4-Trimethylbenzene	+++++ 0.8661	0.9903 0.8381	0.9690 0.7491	1.1797	0.9560	Ave		0.9355				15.0		30.0			
sec-Butylbenzene	+++++ 1.2685	1.4460 1.1851	1.3826 0.9786	1.6963	1.3974	Ave		1.3363				17.0		30.0			
4-Isopropyltoluene	+++++ 1.1355	1.2745 1.0666	1.2437 0.8878	1.5052	1.2534	Ave		1.1953				16.0		30.0			
1,3-Dichlorobenzene	+++++ 0.7778	0.9271 0.7494	0.8746 0.6587	1.0399	0.8573	Ave		0.8407				15.0		30.0			
1,4-Dichlorobenzene	+++++ 0.8728	0.9233 0.8340	0.8999 0.7106	1.0558	0.9022	Ave		0.8855				12.0		30.0			
Benzyl chloride	+++++ 0.7124	0.7804 0.7916	0.7895 0.5995	1.0328	0.7770	Ave		0.7833				17.0		30.0			
n-Butylbenzene	+++++ 0.8752	0.9875 0.8159	1.0158 0.6759	1.2360	1.0040	Ave		0.9443				19.0		30.0			
n-Undecane	+++++ 0.3475	+++++ 0.3218	+++++ 0.2624	0.5403	0.3985	Ave		0.3741				28.0		30.0			
1,2-Dichlorobenzene	+++++ 0.7735	0.8976 0.7449	0.8567 0.6672	1.0006	0.8479	Ave		0.8269				13.0		30.0			
n-Dodecane	+++++ 0.2892	+++++ 0.2959	+++++ 0.2269	0.2546	0.2650	Ave		0.2663				10.0		30.0			
1,2,4-Trichlorobenzene	+++++ 0.7595	+++++ 0.7989	0.5140 0.6651	0.8390	0.7896	Ave		0.7277				16.0		30.0			
Hexachlorobutadiene	+++++ 0.6853	0.4991 0.6750	0.6211 0.5690	0.8001	0.6927	Ave		0.6489				15.0		30.0			
Naphthalene	+++++ 1.2656	+++++ 1.4078	0.8152 1.0672	1.4045	1.4291	Ave		1.2316				20.0		30.0			
1,2,3-Trichlorobenzene	+++++ 0.6653	0.0619 0.7211	0.2120 0.6060	0.6810	0.6687	Ave		0.5166				51.0	*	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.: 280-58004-1 Analy Batch No.: 74492

SDG No.:

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

Calibration Start Date: 07/02/2014 16:53 Calibration End Date: 07/02/2014 22:50 Calibration ID: 27459

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-74492/3	8394_003.D
Level 2	IC 200-74492/4	8394_004.D
Level 3	IC 200-74492/5	8394_005.D
Level 4	IC 200-74492/6	8394_006.D
Level 5	ICIS 200-74492/7	8394_007.D
Level 6	IC 200-74492/8	8394_008.D
Level 7	IC 200-74492/9	8394_009.D
Level 8	IC 200-74492/10	8394_010.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Propylene	BCM	Ave	+++++ 248238	+++++ 334533	10181 629961	80328	170098	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Dichlorodifluoromethane	BCM	Ave	+++++ 2052460	+++++ 2746723	75136 4986750	659036	1388924	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Freon 22	BCM	Ave	+++++ 781362	+++++ 1055477	28429 1948312	258482	531495	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,2-Dichlorotetrafluoroethane	BCM	Ave	+++++ 1730831	27887 2301387	65238 4178200	567744	1178683	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chloromethane	BCM	Ave	+++++ 389619	+++++ 522865	14441 990675	126051	264186	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Butane	BCM	Ave	+++++ 480180	+++++ 650927	18900 1211908	159615	327428	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Vinyl chloride	BCM	Ave	1960 516605	8056 698882	19041 1315601	169108	349959	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Butadiene	BCM	Ave	+++++ 314284	5120 423907	11789 793670	101988	211856	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromomethane	BCM	Ave	+++++ 748619	11877 1013830	26575 1887948	239046	504040	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chloroethane	BCM	Ave	+++++ 191365	+++++ 260103	7164 494901	60213	128119	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Isopentane	BCM	Ave	+++++ 292654	4671 391064	10970 739511	94913	198285	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromoethene(Vinyl Bromide)	BCM	Ave	+++++ 896832	12968 1204122	30607 2269898	282960	597098	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Trichlorofluoromethane	BCM	Ave	+++++ 2245848	34281 3019351	81134 5637436	719932	1516389	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Pentane	BCM	Ave	+++++ 492875	+++++ 662396	19578 1253971	162445	336759	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Ethanol	BCM	Ave	+++++ 147485	+++++ 361264	42403 785938	84040	112410	+++++ 20.0	+++++ 40.0	5.01 100.0	9.99	15.0

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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1 Analy Batch No.: 74492

SDG No.:

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

Calibration Start Date: 07/02/2014 16:53 Calibration End Date: 07/02/2014 22:50 Calibration ID: 27459

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Ethyl ether	BCM	Ave	+++++ 257695	3926 352366	9565 668853	82304	175759	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acrolein	BCM	Ave	+++++ 110757	+++++ 158749	+++++ 273249	40191	74954	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Freon TF	BCM	Ave	+++++ 1473574	22017 1978116	54420 3629111	475931	1001116	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1-Dichloroethene	BCM	Ave	+++++ 633456	9955 856937	23848 1581871	205789	432465	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acetone	BCM	Ave	+++++ 543463	+++++ 696447	+++++ 1396466	171477	385646	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Carbon disulfide	BCM	Ave	+++++ 1595637	+++++ 2167289	78156 4095371	509964	1076544	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Isopropyl alcohol	BCM	Ave	+++++ 460324	+++++ 593698	+++++ 1213520	129962	327317	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
3-Chloropropene	BCM	Ave	+++++ 392816	6790 541845	15454 1013681	129047	263998	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acetonitrile	BCM	Ave	+++++ 216661	+++++ 280622	+++++ 563737	68410	145956	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Methylene Chloride	BCM	Ave	+++++ 465923	+++++ 623529	18735 1174184	152647	313322	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
tert-Butyl alcohol	BCM	Ave	+++++ 858559	+++++ 1105577	+++++ 2275587	237024	601255	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Methyl tert-butyl ether	BCM	Ave	+++++ 1482379	21757 2009215	52683 3781742	469313	990784	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
trans-1,2-Dichloroethene	BCM	Ave	+++++ 696669	10851 935122	24810 1736064	224972	467993	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acrylonitrile	BCM	Ave	+++++ 264296	+++++ 356881	8796 687328	82334	176110	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Hexane	BCM	Ave	+++++ 535339	8951 711926	19077 1355462	169269	356751	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1-Dichloroethane	BCM	Ave	3756 992349	14427 1342070	34482 2548548	312223	664527	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Vinyl acetate	BCM	Ave	+++++ 961163	+++++ 1311958	+++++ 2466517	308138	639235	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
cis-1,2-Dichloroethene	BCM	Ave	+++++ 944053	14164 1275346	33954 2394412	298629	625255	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl Ethyl Ketone	BCM	Ave	+++++ 285885	+++++ 379857	11578 735076	92649	194570	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Ethyl acetate	BCM	Ave	+++++ 45214	+++++ 59932	+++++ 113515	13862	29405	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Tetrahydrofuran	DFB	Ave	+++++ 430719	+++++ 576204	+++++ 1106888	135743	290899	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00

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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1 Analy Batch No.: 74492

SDG No.:

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

Calibration Start Date: 07/02/2014 16:53 Calibration End Date: 07/02/2014 22:50 Calibration ID: 27459

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Chloroform	BCM	Ave	+++++ 1949887	29028 2641991	68952 4915950	622301	1314095	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Cyclohexane	DFB	Ave	+++++ 972806	15325 1316475	34830 2462409	311095	660836	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,1-Trichloroethane	DFB	Ave	+++++ 2259124	33861 3048069	81720 5702131	722761	1515770	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Carbon tetrachloride	DFB	Ave	10483 2982638	43332 4032530	103533 7570939	940346	1995966	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2,2,4-Trimethylpentane	DFB	Ave	+++++ 2969645	46201 3960383	108865 7195316	975981	2027474	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Benzene	DFB	Ave	+++++ 2622407	45568 3505680	102043 6395577	866366	1784486	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloroethane	DFB	Ave	+++++ 1286886	18984 1739793	45451 3314147	409558	863241	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Heptane	DFB	Ave	+++++ 964807	15822 1286239	37010 2340510	320065	659127	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Butanol	DFB	Ave	+++++ 387928	+++++ 544324	+++++ 990577	116839	287275	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Trichloroethene	DFB	Ave	7245 1874574	29130 2502989	68741 4552400	601665	1268564	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloropropane	DFB	Ave	+++++ 1270840	18291 1712858	43604 3164014	396923	851826	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl methacrylate	DFB	Ave	+++++ 1168433	+++++ 1568102	37868 2895793	354345	775397	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,4-Dioxane	DFB	Ave	+++++ 633593	+++++ 794147	+++++ 1513809	190151	448454	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Dibromomethane	DFB	Ave	+++++ 2853915	41918 3877032	97463 7212136	889445	1895687	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromodichloromethane	DFB	Ave	+++++ 3580395	48696 4874941	116055 9094120	1107576	2376718	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
cis-1,3-Dichloropropene	DFB	Ave	+++++ 2556635	35253 3462439	73709 6472768	800005	1696969	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
methyl isobutyl ketone	DFB	Ave	+++++ 2088690	+++++ 2774196	91397 5091128	668136	1412894	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Toluene	CBZ	Ave	+++++ 3405892	46684 4560578	106348 8223022	1091891	2285976	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Octane	DFB	Ave	+++++ 1993459	28850 2617124	67072 4508533	679811	1373381	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
trans-1,3-Dichloropropene	DFB	Ave	+++++ 2689208	33239 3633133	77239 6807440	839204	1785664	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2-Trichloroethane	CBZ	Ave	+++++ 1839935	23326 2415800	55540 4606487	576495	1240809	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1 Analy Batch No.: 74492

SDG No.:

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

Calibration Start Date: 07/02/2014 16:53 Calibration End Date: 07/02/2014 22:50 Calibration ID: 27459

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Tetrachloroethene	CBZ	Ave	16530 4277622	59866 5881274	142977 11164328	1313294	2829359	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl Butyl Ketone (2-Hexanone)	CBZ	Ave	+++++ 2067147	+++++ 2742915	90071 4954036	657345	1390936	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Dibromochloromethane	CBZ	Ave	+++++ 5374683	61464 7347985	148726 13941233	1621516	3557458	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dibromoethane	CBZ	Ave	+++++ 4097725	50013 5520975	122566 10316660	1284392	2735727	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chlorobenzene	CBZ	Ave	+++++ 5397449	75764 7281602	173403 13575617	1696224	3607841	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Ethylbenzene	CBZ	Ave	+++++ 7099201	95324 9524030	228858 16798557	2299201	4809938	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Nonane	CBZ	Ave	+++++ 2369525	32478 3141246	75385 5421533	793770	1633586	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
m,p-Xylene	CBZ	Ave	+++++ 6092796	85973 8031951	201629 14527284	2023026	4226010	+++++ 30.0	0.401 40.0	1.00 80.0	9.99	20.0
Xylene, o-	CBZ	Ave	+++++ 3299986	43531 4410067	102343 7856022	1048212	2225939	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Styrene	CBZ	Ave	+++++ 4600154	59660 5911640	140439 10747251	1543131	3266111	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromoform	CBZ	Ave	+++++ 6287112	70403 8543463	175025 15242409	1901837	4164584	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Cumene	CBZ	Ave	+++++ 8627384	117124 11655853	276053 20767873	2756567	5861433	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2,2-Tetrachloroethane	CBZ	Ave	+++++ 4538003	57781 6053126	139978 10610504	1469369	3101329	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Propylbenzene	CBZ	Ave	+++++ 9620625	130557 12799413	315206 21665918	3139875	6572073	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2,3-Trichloropropane	CBZ	Ave	+++++ 3149011	+++++ 4165677	98823 7417500	1027053	2143237	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Decane	CBZ	Ave	+++++ 2664452	+++++ 3333113	95538 4985061	980994	1932680	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
4-Ethyltoluene	CBZ	Ave	+++++ 7924974	115131 10084016	274011 15395459	2674878	5547856	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2-Chlorotoluene	CBZ	Ave	+++++ 6130377	92271 7722128	221154 12029937	2132794	4332664	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3,5-Trimethylbenzene	CBZ	Ave	+++++ 7052115	97367 9084821	229822 16258887	2304215	4884740	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Alpha Methyl Styrene	CBZ	Ave	+++++ 4107911	50445 5355795	122551 9646840	1322138	2862811	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
tert-Butylbenzene	CBZ	Ave	+++++ 6850331	98233 8831941	236192 16293364	2334681	4911360	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1 Analy Batch No.: 74492

SDG No.:

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

Calibration Start Date: 07/02/2014 16:53 Calibration End Date: 07/02/2014 22:50 Calibration ID: 27459

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,2,4-Trimethylbenzene	CBZ	Ave	+++++ 6567904	97086 8678723	234797 15788691	2342749	4756462	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
sec-Butylbenzene	CBZ	Ave	+++++ 9618961	141754 12272403	335004 20625130	3368522	6952758	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
4-Isopropyltoluene	CBZ	Ave	+++++ 8610591	124944 11044565	301362 18712796	2989165	6236657	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Dichlorobenzene	CBZ	Ave	+++++ 5898248	90887 7759937	211924 13883479	2065097	4265753	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,4-Dichlorobenzene	CBZ	Ave	+++++ 6618313	90509 8636137	218051 14976306	2096584	4489041	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Benzyl chloride	CBZ	Ave	+++++ 5402313	76506 8197057	191303 12635790	2050975	3866190	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Butylbenzene	CBZ	Ave	+++++ 6637133	96803 8448748	246135 14245155	2454528	4995441	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Undecane	CBZ	Ave	+++++ 2635136	+++++ 3331874	+++++ 5529599	1072885	1983037	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
1,2-Dichlorobenzene	CBZ	Ave	+++++ 5865567	87994 7713267	207591 14063424	1987125	4218686	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Dodecane	CBZ	Ave	+++++ 2193018	+++++ 3064336	+++++ 4782790	505603	1318300	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
1,2,4-Trichlorobenzene	CBZ	Ave	+++++ 5759291	+++++ 8272628	124545 14018212	1666134	3928763	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Hexachlorobutadiene	CBZ	Ave	+++++ 5196551	48930 6989540	150485 11992787	1588774	3446578	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Naphthalene	CBZ	Ave	+++++ 9597027	+++++ 14578294	197517 22492855	2789120	7110590	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,2,3-Trichlorobenzene	CBZ	Ave	+++++ 5044738	6067 7466788	51372 12772652	1352324	3327278	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

Curve Type Legend:
Ave = Average ISTD

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140702-8394.b\8394_003.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 02-Jul-2014 16:53:30 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0008394-003
Misc. Info.: ic-01
Operator ID: PAD Instrument ID: CHG.i
Sublist: chrom-TO15_LLNJ_TO3_G*sub3

Method: \\BTV-LIMS1\ChromData\CHG.i\20140702-8394.b\TO15_LLNJ_TO3_G.m
Limit Group: AI_TO15_ICAL
Last Update: 03-Jul-2014 12:48:08 Calib Date: 02-Jul-2014 22:50:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHG.i\20140702-8394.b\8394_010.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK017

First Level Reviewer: daiglep Date: 03-Jul-2014 11:45:37

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	2.758	2.758	0.000	91	2424	0.0401	0.1400	
2 Dichlorodifluoromethane	85	2.833	2.827	0.006	99	7841	0.0401	0.0566	
6 Chlorodifluoromethane	51	2.891	2.886	0.005	96	3513	0.0401	0.0659	
7 1,2-Dichloro-1,1,2,2-tetra	85	3.111	3.105	0.006	93	6954	0.0401	0.0575	
8 Chloromethane	50	3.250	3.244	0.006	97	2182	0.0401	0.0820	
9 Butane	43	3.458	3.453	0.005	93	2126	0.0401	0.0637	
10 Vinyl chloride	62	3.496	3.501	-0.005	94	1960	0.0401	0.0520	
11 Butadiene	54	3.587	3.581	0.006	89	1369	0.0401	0.0620	
12 Bromomethane	94	4.298	4.298	0.000	94	3188	0.0401	0.0615	
14 Chloroethane	64	4.566	4.560	0.006	1	802	0.0401	0.0614	
15 2-Methylbutane	43	4.641	4.635	0.006	46	3145	0.0401	0.1535	
16 Vinyl bromide	106	4.972	4.972	0.000	98	3444	0.0401	0.0568	
17 Trichlorofluoromethane	101	5.079	5.079	0.000	94	8347	0.0401	0.0539	
18 Pentane	43	5.229	5.235	-0.005	71	2845	0.0401	0.0830	
19 Ethanol	45	5.753	5.737	0.016	47	1219	0.0802	0.1482	
21 Ethyl ether	59	5.828	5.802	0.026	53	898	0.0401	0.0500	
22 Acrolein	56	6.224	6.224	0.000	32	1011	0.0401	0.1317	
23 1,1,2-Trichloro-1,2,2-trif	101	6.240	6.235	0.005	91	4109	0.0401	0.0405	
24 1,1-Dichloroethene	96	6.278	6.278	0.000	55	2849	0.0401	0.0643	
25 Acetone	43	6.567	6.556	0.011	85	13041	0.0401	0.3590	
26 Carbon disulfide	76	6.658	6.658	0.000	97	6364	0.0401	0.0552	
27 Isopropyl alcohol	45	6.914	6.888	0.026	71	2122	0.0401	0.0701	
29 3-Chloro-1-propene	41	7.128	7.123	0.005	78	1597	0.0401	0.0564	
30 Acetonitrile	41	7.310	7.294	0.016	66	1942	0.0401	0.1350	
31 Methylene Chloride	49	7.439	7.439	0.000	79	3439	0.0401	0.1065	
32 2-Methyl-2-propanol	59	7.733	7.706	0.027	91	3780	0.0401	0.0674	
33 Methyl tert-butyl ether	73	7.888	7.851	0.038	93	6111	0.0401	0.0603	
34 trans-1,2-Dichloroethene	61	7.888	7.883	0.005	83	2440	0.0401	0.0508	
35 Acrylonitrile	53	8.086	8.081	0.005	32	619	0.0401	0.0351	
36 Hexane	57	8.295	8.284	0.011	84	2132	0.0401	0.0572	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
37 1,1-Dichloroethane	63	8.803	8.808	-0.005	95	3756	0.0401	0.0531	
38 Vinyl acetate	43	8.904	8.910	-0.006	66	4184	0.0401	0.0650	
39 cis-1,2-Dichloroethene	96	9.948	9.958	-0.010	83	3756	0.0401	0.0580	
40 2-Butanone (MEK)	72	10.039	10.028	0.011	90	1608	0.0401	0.0809	
42 Ethyl acetate	88		10.076					ND	
S 41 1,2-Dichloroethene, Total	61				0		0.0802	0.1088	
44 Tetrahydrofuran	42	10.434	10.424	0.010	29	2213	0.0401	0.0758	
* 43 Chlorobromomethane	128	10.429	10.434	-0.005	67	740712	10.0	10.0	
45 Chloroform	83	10.568	10.579	-0.011	71	7129	0.0401	0.0534	
46 Cyclohexane	84	10.809	10.787	0.022	37	1343	0.0401	0.0195	
47 1,1,1-Trichloroethane	97	10.836	10.836	0.000	96	8619	0.0401	0.0545	
48 Carbon tetrachloride	117	11.071	11.082	-0.011	95	10483	0.0401	0.0492	
51 Isooctane	57	11.542	11.531	0.011	97	11629	0.0401	0.0555	
50 Benzene	78	11.563	11.569	-0.006	93	13764	0.0401	0.0722	
52 1,2-Dichloroethane	62	11.772	11.772	0.000	96	4935	0.0401	0.0550	
53 n-Heptane	43	11.927	11.938	-0.011	52	2016	0.0401	0.0291	
* 54 1,4-Difluorobenzene	114	12.441	12.441	0.000	90	4310557	10.0	10.0	
55 n-Butanol	56	12.874	12.863	0.011	34	2221	0.0401	0.0829	
56 Trichloroethene	95	12.895	12.895	0.000	91	7245	0.0401	0.0526	
A 57 GRO	1	13.074	(4.625-21.524)		0	1597902	0.0401	0	
58 1,2-Dichloropropane	63	13.478	13.473	0.005	73	3020	0.0401	0.0346	
59 Methyl methacrylate	69	13.666	13.660	0.006	72	4452	0.0401	0.0572	
60 1,4-Dioxane	88	13.757	13.698	0.059	34	3114	0.0401	0.0744	
61 Dibromomethane	174	13.735	13.730	0.005	89	7991	0.0401	0.0406	
62 Dichlorobromomethane	83	14.045	14.045	0.000	97	12821	0.0401	0.0530	
A 63 TVOC as Toluene	1	14.776	(2.748-26.804)		0	1751569	0.0401	0	
64 cis-1,3-Dichloropropene	75	15.024	15.024	0.000	54	5549	0.0401	0.0325	
65 4-Methyl-2-pentanone (MIBK	43	15.367	15.345	0.022	92	9610	0.0401	0.0647	
A 67 Toluene Range	1	15.634	(15.594-15.674)		0	46945	NC	NC	
66 Toluene	92	15.624	15.634	-0.010	95	14812	0.0401	0.0642	
A 68 C8 Range	1	15.712	(15.649-15.749)		0	42128	NC	NC	
69 n-Octane	43	15.704	15.699	0.005	81	8400	0.0401	0.0613	
70 trans-1,3-Dichloropropene	75	16.271	16.271	0.000	77	9613	0.0401	0.0545	
71 1,1,2-Trichloroethane	83	16.656	16.656	0.000	94	7366	0.0401	0.0601	
72 Tetrachloroethene	166	16.736	16.736	0.000	93	16530	0.0401	0.0534	
73 2-Hexanone	43	17.143	17.127	0.016	91	7570	0.0401	0.0513	
74 Chlorodibromomethane	129	17.432	17.432	0.000	97	17330	0.0401	0.0496	
75 Ethylene Dibromide	107	17.710	17.705	0.005	99	9440	0.0401	0.0347	
* 76 Chlorobenzene-d5	117	18.614	18.614	0.000	79	5040550	10.0	10.0	
77 Chlorobenzene	112	18.673	18.678	-0.005	96	20824	0.0401	0.0564	
78 Ethylbenzene	91	18.833	18.833	0.000	95	28797	0.0401	0.0597	
79 n-Nonane	57	18.962	18.962	0.000	82	10147	0.0401	0.0628	
80 m-Xylene & p-Xylene	106	19.085	19.090	-0.005	98	25998	0.0802	0.1235	
83 o-Xylene	106	19.941	19.941	0.000	95	12831	0.0401	0.0579	
84 Styrene	104	19.994	19.994	0.000	97	17802	0.0401	0.0574	
S 82 Xylenes, Total	106				0		0.1203	0.1815	
85 Bromoform	173	20.412	20.417	-0.005	97	18728	0.0401	0.0463	
86 Isopropylbenzene	105	20.626	20.626	0.000	94	30675	0.0401	0.0523	
* 87 4-Bromofluorobenzene	95	20.989	20.989	0.000	95	3065729	10.0	10.0	
88 1,1,2,2-Tetrachloroethane	83	21.284	21.284	0.000	96	15263	0.0401	0.0503	
90 N-Propylbenzene	91	21.342	21.342	0.000	99	34229	0.0401	0.0524	
89 1,2,3-Trichloropropane	75	21.380	21.375	0.005	93	11340	0.0401	0.0535	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
93 n-Decane	57	21.514	21.514	0.000	82	10558	0.0401	0.0575	
91 4-Ethyltoluene	105	21.530	21.530	0.000	89	28415	0.0401	0.0525	
92 2-Chlorotoluene	91	21.535	21.535	0.000	92	24074	0.0401	0.0564	
94 1,3,5-Trimethylbenzene	105	21.637	21.637	0.000	93	25126	0.0401	0.0524	
95 Alpha Methyl Styrene	118	22.001	22.000	0.000	92	12601	0.0401	0.0463	
96 tert-Butylbenzene	119	22.129	22.124	0.005	94	26881	0.0401	0.0560	
97 1,2,4-Trimethylbenzene	105	22.214	22.214	0.000	95	25107	0.0401	0.0532	
98 sec-Butylbenzene	105	22.445	22.444	0.001	99	35986	0.0401	0.0534	
99 4-Isopropyltoluene	119	22.642	22.642	0.000	97	31013	0.0401	0.0515	
100 1,3-Dichlorobenzene	146	22.669	22.669	0.000	99	22959	0.0401	0.0542	
101 1,4-Dichlorobenzene	146	22.803	22.803	0.000	98	23772	0.0401	0.0533	
102 Benzyl chloride	91	23.012	23.006	0.006	99	16838	0.0401	0.0426	
103 n-Butylbenzene	91	23.210	23.210	0.000	97	21132	0.0401	0.0444	
104 Undecane	57	23.236	23.231	0.005	89	6196	0.0401	0.0329	
105 1,2-Dichlorobenzene	146	23.333	23.333	0.000	98	22295	0.0401	0.0535	
106 Dodecane	57	24.868	24.804	0.064	1	343	0.0401	0.002555	
107 1,2,4-Trichlorobenzene	180	25.842	25.831	0.011	1	1152	0.0401	0.003141	
108 Hexachlorobutadiene	225	26.023	26.013	0.010	2	2312	0.0401	0.007069	
109 Naphthalene	128	26.312	26.323	-0.011	1	2124	0.0401	0.003422	
110 1,2,3-Trichlorobenzene	180	26.788	26.794	-0.006	1	178	0.0401	0.000684	

QC Flag Legend

Processing Flags
NC - Not Calibrated
ND - Not Detected or Marked ND

Reagents:

ATTO15CAL1w_00105	Amount Added: 40.00	Units: mL	
ATTO15GIS_00009	Amount Added: 20.00	Units: mL	Run Reagent

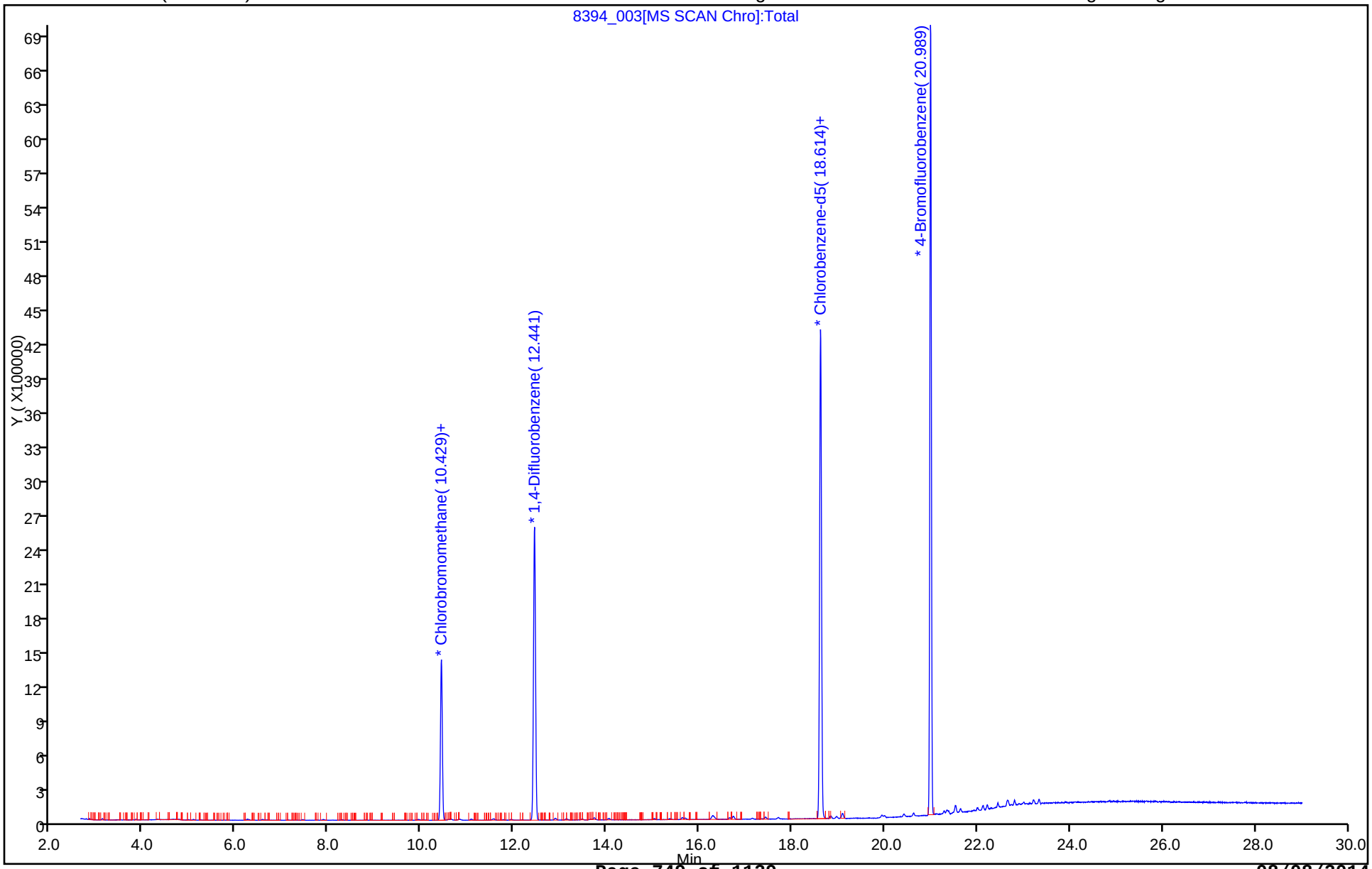
Report Date: 03-Jul-2014 12:48:08 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140702-8394.b\8394_003.D

Injection Date:	02-Jul-2014 16:53:30	Instrument ID:	CHG.i	Operator ID:	PAD
Lims ID:	IC			Worklist Smp#:	3
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	2
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



TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140702-8394.b\8394_004.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 02-Jul-2014 17:44:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0008394-004
Misc. Info.: ic-02
Operator ID: PAD Instrument ID: CHG.i
Sublist: chrom-TO15_LLNJ_TO3_G*sub3

Method: \\BTV-LIMS1\ChromData\CHG.i\20140702-8394.b\TO15_LLNJ_TO3_G.m
Limit Group: AI_TO15_ICAL
Last Update: 03-Jul-2014 12:48:10 Calib Date: 02-Jul-2014 22:50:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHG.i\20140702-8394.b\8394_010.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK017

First Level Reviewer: daiglep Date: 03-Jul-2014 11:48:02

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	2.758	2.758	0.000	97	4479	0.2004	0.2600	
2 Dichlorodifluoromethane	85	2.833	2.827	0.006	98	31075	0.2004	0.2254	
6 Chlorodifluoromethane	51	2.891	2.886	0.005	96	12501	0.2004	0.2357	
7 1,2-Dichloro-1,1,2,2-tetra	85	3.105	3.105	0.000	88	27887	0.2004	0.2317	
8 Chloromethane	50	3.250	3.244	0.006	97	6330	0.2004	0.2392	
9 Butane	43	3.453	3.453	0.000	98	8524	0.2004	0.2568	
10 Vinyl chloride	62	3.507	3.501	0.006	97	8056	0.2004	0.2149	
11 Butadiene	54	3.582	3.581	0.001	91	5120	0.2004	0.2330	
12 Bromomethane	94	4.309	4.298	0.011	98	11877	0.2004	0.2303	
14 Chloroethane	64	4.555	4.560	-0.005	63	3088	0.2004	0.2377	
15 2-Methylbutane	43	4.630	4.635	-0.005	88	4671	0.2004	0.2292	
16 Vinyl bromide	106	4.972	4.972	0.000	96	12968	0.2004	0.2151	
17 Trichlorofluoromethane	101	5.085	5.079	0.006	98	34281	0.2004	0.2225	
18 Pentane	43	5.240	5.235	0.006	90	8857	0.2004	0.2599	
19 Ethanol	45	5.753	5.737	0.016	91	5083	0.4009	0.6213	
21 Ethyl ether	59	5.818	5.802	0.016	93	3926	0.2004	0.2196	
22 Acrolein	56	6.224	6.224	0.000	36	2757	0.2004	0.3612	
23 1,1,2-Trichloro-1,2,2-trif	101	6.240	6.235	0.005	91	22017	0.2004	0.2179	
24 1,1-Dichloroethene	96	6.278	6.278	0.000	91	9955	0.2004	0.2258	
25 Acetone	43	6.567	6.556	0.011	87	41472	0.2004	1.15	
26 Carbon disulfide	76	6.658	6.658	0.000	98	23502	0.2004	0.2048	
27 Isopropyl alcohol	45	6.904	6.888	0.016	97	7119	0.2004	0.2364	
29 3-Chloro-1-propene	41	7.123	7.123	0.000	84	6790	0.2004	0.2412	
30 Acetonitrile	41	7.294	7.294	0.000	92	4172	0.2004	0.2915	
31 Methylene Chloride	49	7.444	7.439	0.005	90	8205	0.2004	0.2556	
32 2-Methyl-2-propanol	59	7.728	7.706	0.022	99	15123	0.2004	0.2711	
33 Methyl tert-butyl ether	73	7.872	7.851	0.022	94	21757	0.2004	0.2158	
34 trans-1,2-Dichloroethene	61	7.888	7.883	0.005	86	10851	0.2004	0.2270	
35 Acrylonitrile	53	8.086	8.081	0.005	92	4091	0.2004	0.2334	
36 Hexane	57	8.289	8.284	0.005	89	8951	0.2004	0.2416	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
37 1,1-Dichloroethane	63	8.803	8.808	-0.005	98	14427	0.2004	0.2049	
38 Vinyl acetate	43	8.904	8.910	-0.006	99	13841	0.2004	0.2162	
39 cis-1,2-Dichloroethene	96	9.953	9.958	-0.005	87	14164	0.2004	0.2200	
40 2-Butanone (MEK)	72	10.028	10.028	0.000	97	5888	0.2004	0.2979	
42 Ethyl acetate	88	10.092	10.076	0.016	63	541	0.2004	0.1840	
S 41 1,2-Dichloroethene, Total	61				0		0.4009	0.4470	
44 Tetrahydrofuran	42	10.451	10.424	0.027	30	7152	0.2004	0.2505	
* 43 Chlorobromomethane	128	10.429	10.434	-0.005	67	736697	10.0	10.0	
45 Chloroform	83	10.574	10.579	-0.005	98	29028	0.2004	0.2184	
46 Cyclohexane	84	10.772	10.787	-0.015	80	15325	0.2004	0.2281	M
47 1,1,1-Trichloroethane	97	10.836	10.836	0.000	96	33861	0.2004	0.2189	
48 Carbon tetrachloride	117	11.071	11.082	-0.011	96	43332	0.2004	0.2079	
51 Isooctane	57	11.531	11.531	0.000	99	46201	0.2004	0.2254	
50 Benzene	78	11.574	11.569	0.005	93	45568	0.2004	0.2445	
52 1,2-Dichloroethane	62	11.772	11.772	0.000	98	18984	0.2004	0.2163	
53 n-Heptane	43	11.938	11.938	0.000	81	15822	0.2004	0.2335	
* 54 1,4-Difluorobenzene	114	12.441	12.441	0.000	90	4214271	10.0	10.0	
55 n-Butanol	56	12.885	12.863	0.022	32	6843	0.2004	0.2614	
56 Trichloroethene	95	12.895	12.895	0.000	92	29130	0.2004	0.2161	
A 57 GRO	1	13.074	(4.625-21.524)		0	6356630	0.2004	0	
58 1,2-Dichloropropane	63	13.473	13.473	0.000	92	18291	0.2004	0.2144	
59 Methyl methacrylate	69	13.660	13.660	0.000	77	15917	0.2004	0.2091	
60 1,4-Dioxane	88	13.719	13.698	0.021	36	10052	0.2004	0.2457	
61 Dibromomethane	174	13.725	13.730	-0.005	90	41918	0.2004	0.2180	
62 Dichlorobromomethane	83	14.040	14.045	-0.005	97	48696	0.2004	0.2058	
A 63 TVOC as Toluene	1	14.776	(2.748-26.804)		0	10308331	0.2004	0	
64 cis-1,3-Dichloropropene	75	15.025	15.024	0.001	86	35253	0.2004	0.2114	
65 4-Methyl-2-pentanone (MIBK	43	15.351	15.345	0.006	93	28263	0.2004	0.1946	
A 67 Toluene Range	1	15.634	(15.594-15.674)		0	178887	NC	NC	
66 Toluene	92	15.634	15.634	0.000	94	46684	0.2004	0.2085	
A 68 C8 Range	1	15.715	(15.649-15.749)		0	122709	NC	NC	
69 n-Octane	43	15.699	15.699	0.000	84	28850	0.2004	0.2154	
70 trans-1,3-Dichloropropene	75	16.276	16.271	0.005	92	33239	0.2004	0.1928	
71 1,1,2-Trichloroethane	83	16.651	16.656	-0.005	95	23326	0.2004	0.1962	
72 Tetrachloroethene	166	16.731	16.736	-0.005	93	59866	0.2004	0.1994	
73 2-Hexanone	43	17.138	17.127	0.011	93	27688	0.2004	0.1936	
74 Chlorodibromomethane	129	17.432	17.432	0.000	96	61464	0.2004	0.1813	
75 Ethylene Dibromide	107	17.705	17.705	0.000	99	50013	0.2004	0.1896	
* 76 Chlorobenzene-d5	117	18.614	18.614	0.000	80	4890855	10.0	10.0	
77 Chlorobenzene	112	18.673	18.678	-0.005	98	75764	0.2004	0.2115	
78 Ethylbenzene	91	18.839	18.833	0.006	96	95324	0.2004	0.2038	
79 n-Nonane	57	18.957	18.962	-0.005	82	32478	0.2004	0.2072	
80 m-Xylene & p-Xylene	106	19.090	19.090	0.000	98	85973	0.4009	0.4210	
83 o-Xylene	106	19.941	19.941	0.000	96	43531	0.2004	0.2026	
84 Styrene	104	19.994	19.994	0.000	98	59660	0.2004	0.1982	
S 82 Xylenes, Total	106				0		0.6013	0.6236	
85 Bromoform	173	20.412	20.417	-0.005	98	70403	0.2004	0.1795	
86 Isopropylbenzene	105	20.620	20.626	-0.006	94	117124	0.2004	0.2057	
* 87 4-Bromofluorobenzene	95	20.989	20.989	0.000	95	2967989	10.0	10.0	
88 1,1,2,2-Tetrachloroethane	83	21.284	21.284	0.000	96	57781	0.2004	0.1961	
90 N-Propylbenzene	91	21.343	21.342	0.001	99	130557	0.2004	0.2061	
89 1,2,3-Trichloropropane	75	21.380	21.375	0.005	94	43312	0.2004	0.2104	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
93 n-Decane	57	21.514	21.514	0.000	83	39694	0.2004	0.2227	
91 4-Ethyltoluene	105	21.530	21.530	0.000	90	115131	0.2004	0.2192	
92 2-Chlorotoluene	91	21.535	21.535	0.000	94	92271	0.2004	0.2229	
94 1,3,5-Trimethylbenzene	105	21.637	21.637	0.000	95	97367	0.2004	0.2092	
95 Alpha Methyl Styrene	118	22.001	22.000	0.001	93	50445	0.2004	0.1911	
96 tert-Butylbenzene	119	22.118	22.124	-0.006	96	98233	0.2004	0.2108	
97 1,2,4-Trimethylbenzene	105	22.215	22.214	0.001	95	97086	0.2004	0.2122	
98 sec-Butylbenzene	105	22.445	22.444	0.001	99	141754	0.2004	0.2169	
99 4-Isopropyltoluene	119	22.643	22.642	0.000	97	124944	0.2004	0.2137	
100 1,3-Dichlorobenzene	146	22.669	22.669	0.000	99	90887	0.2004	0.2210	
101 1,4-Dichlorobenzene	146	22.803	22.803	0.000	97	90509	0.2004	0.2090	
102 Benzyl chloride	91	23.006	23.006	0.000	100	76506	0.2004	0.1997	
103 n-Butylbenzene	91	23.210	23.210	0.000	97	96803	0.2004	0.2096	
104 Undecane	57	23.226	23.231	-0.005	90	38847	0.2004	0.2123	
105 1,2-Dichlorobenzene	146	23.333	23.333	0.000	99	87994	0.2004	0.2176	
106 Dodecane	57	24.814	24.804	0.010	52	2813	0.2004	0.0216	
107 1,2,4-Trichlorobenzene	180	25.831	25.831	0.000	89	28209	0.2004	0.0793	
108 Hexachlorobutadiene	225	26.007	26.013	-0.006	96	48930	0.2004	0.1542	
109 Naphthalene	128	26.323	26.323	0.000	99	34857	0.2004	0.0579	
110 1,2,3-Trichlorobenzene	180	26.794	26.794	0.000	33	6067	0.2004	0.0240	

QC Flag Legend

Processing Flags
NC - Not Calibrated

Review Flags
M - Manually Integrated

Reagents:

ATTO15CAL1w_00105	Amount Added: 200.00	Units: mL	
ATTO15GIS_00009	Amount Added: 20.00	Units: mL	Run Reagent

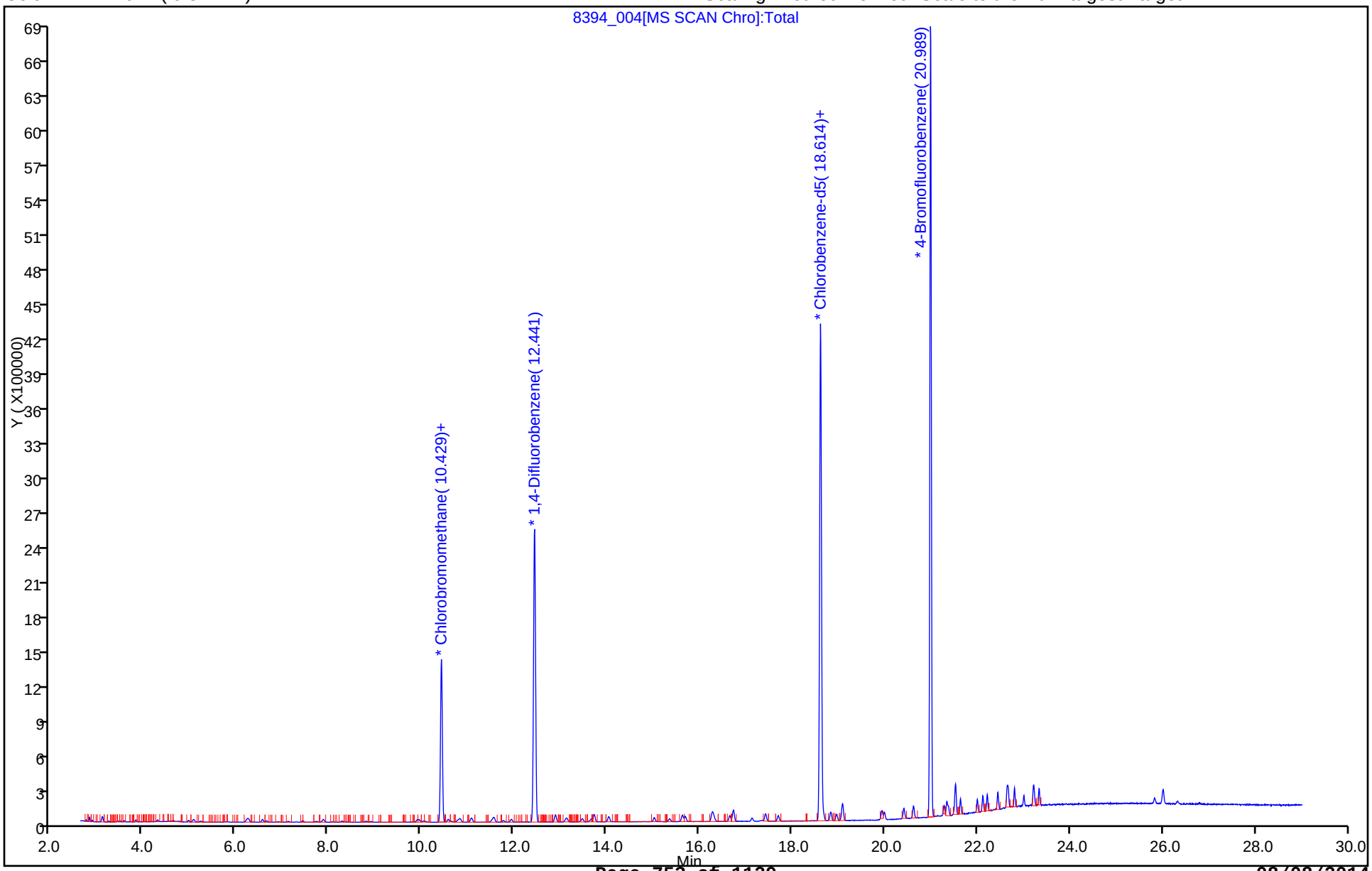
Report Date: 03-Jul-2014 12:48:10 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140702-8394.b\8394_004.D

Injection Date:	02-Jul-2014 17:44:30	Instrument ID:	CHG.i	Operator ID:	PAD
Lims ID:	IC			Worklist Smp#:	4
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
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



Manual Integration/User Assign Peak Report

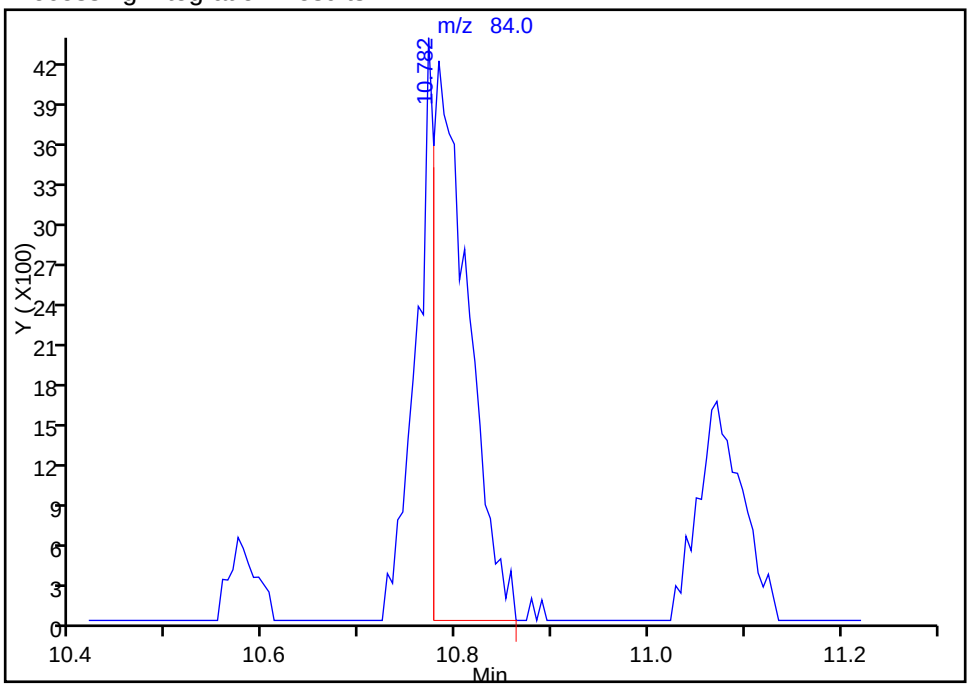
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHG.i\20140702-8394.b\8394_004.D				
Injection Date:	02-Jul-2014 17:44:30	Instrument ID:	CHG.i		
Lims ID:	IC				
Client ID:					
Operator ID:	PAD	ALS Bottle#:	3	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

46 Cyclohexane, CAS: 110-82-7

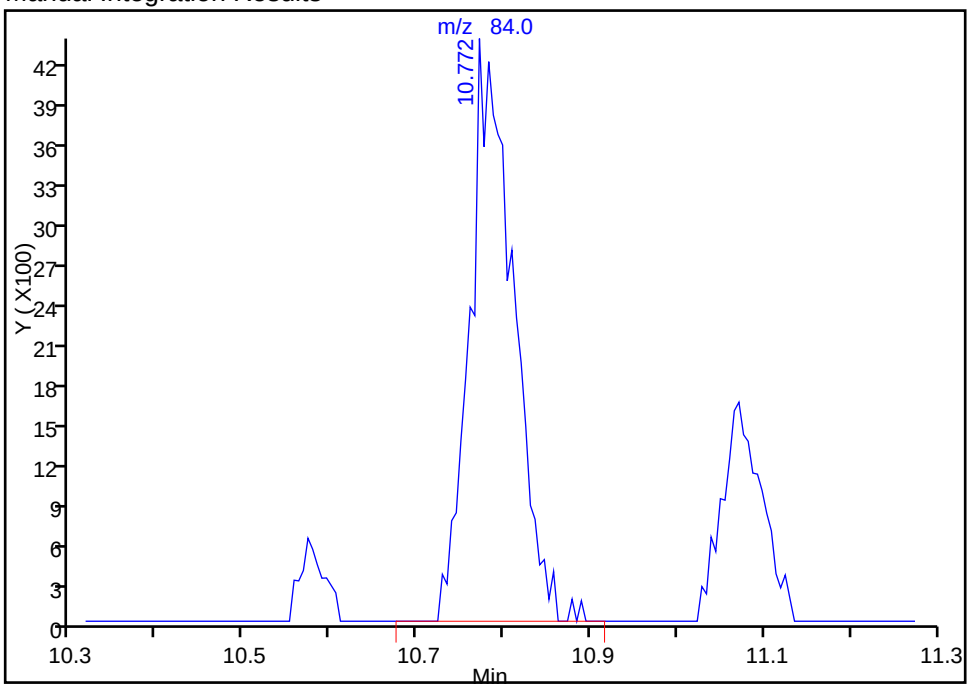
Processing Integration Results

RT: 10.78
Response: 10584
Amount: 0.174620



Manual Integration Results

RT: 10.77
Response: 15325
Amount: 0.228071



Reviewer: daiglep, 03-Jul-2014 11:48:02
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

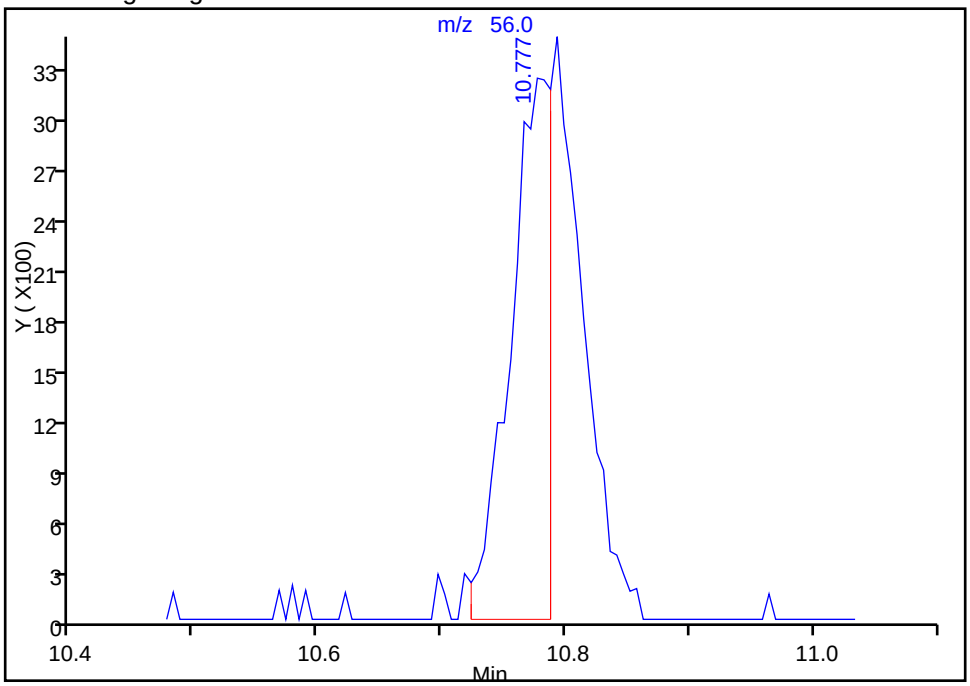
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140702-8394.b\8394_004.D
Injection Date: 02-Jul-2014 17:44:30 Instrument ID: CHG.i
Lims ID: IC
Client ID:
Operator ID: PAD ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_G Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

46 Cyclohexane, CAS: 110-82-7

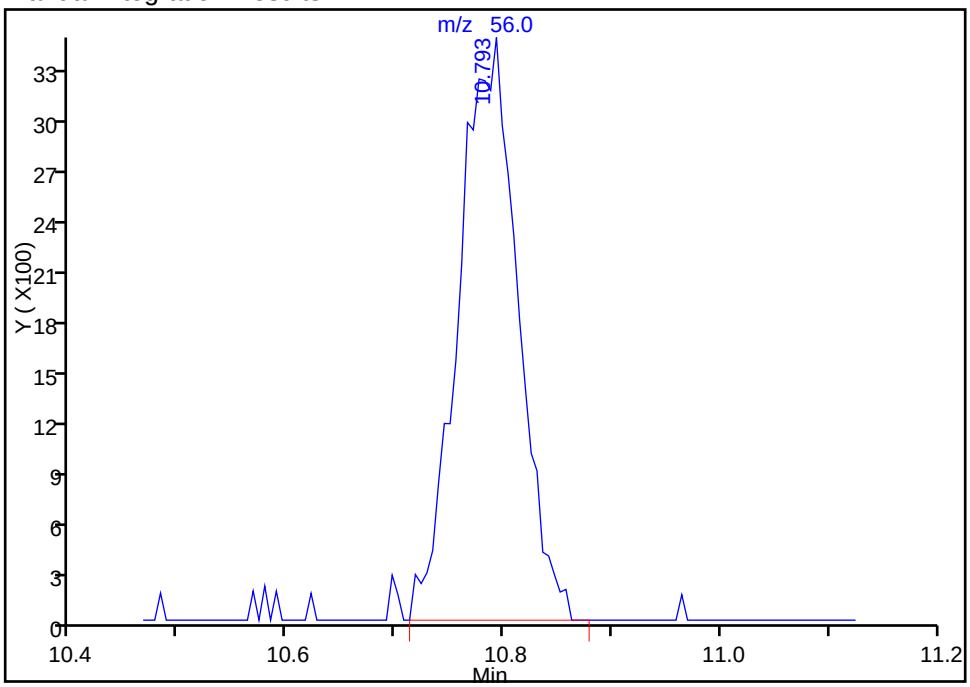
Processing Integration Results

RT: 10.78
Response: 7476
Amount: 0.174620



Manual Integration Results

RT: 10.79
Response: 13304
Amount: 0.228071



Reviewer: daiglep, 03-Jul-2014 11:48:02
Audit Action: Manually Integrated
Audit Reason: Baseline Event

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140702-8394.b\8394_005.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 02-Jul-2014 18:35:30 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0008394-005
Misc. Info.: ic-03
Operator ID: PAD Instrument ID: CHG.i
Sublist: chrom-TO15_LLNJ_TO3_G*sub3

Method: \\BTV-LIMS1\ChromData\CHG.i\20140702-8394.b\TO15_LLNJ_TO3_G.m
Limit Group: AI_TO15_ICAL
Last Update: 03-Jul-2014 12:48:13 Calib Date: 02-Jul-2014 22:50:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHG.i\20140702-8394.b\8394_010.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK017

First Level Reviewer: daiglep Date: 03-Jul-2014 11:49:17

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	2.758	2.758	0.000	97	10181	0.5005	0.5925	
2 Dichlorodifluoromethane	85	2.833	2.827	0.006	99	75136	0.5005	0.5463	
6 Chlorodifluoromethane	51	2.891	2.886	0.005	96	28429	0.5005	0.5373	
7 1,2-Dichloro-1,1,2,2-tetra	85	3.105	3.105	0.000	87	65238	0.5005	0.5434	
8 Chloromethane	50	3.250	3.244	0.006	98	14441	0.5005	0.5470	
9 Butane	43	3.453	3.453	0.000	97	18900	0.5005	0.5709	
10 Vinyl chloride	62	3.501	3.501	0.000	97	19041	0.5005	0.5092	
11 Butadiene	54	3.582	3.581	0.001	88	11789	0.5005	0.5378	
12 Bromomethane	94	4.304	4.298	0.006	98	26575	0.5005	0.5166	
14 Chloroethane	64	4.561	4.560	0.001	97	7164	0.5005	0.5528	
15 2-Methylbutane	43	4.625	4.635	-0.010	87	10970	0.5005	0.5396	
16 Vinyl bromide	106	4.967	4.972	-0.005	99	30607	0.5005	0.5090	
17 Trichlorofluoromethane	101	5.079	5.079	0.000	97	81134	0.5005	0.5279	
18 Pentane	43	5.235	5.235	0.001	94	19578	0.5005	0.5759	
19 Ethanol	45	5.738	5.737	0.001	96	42403	5.01	5.20	
21 Ethyl ether	59	5.812	5.802	0.010	93	9565	0.5005	0.5363	
22 Acrolein	56	6.230	6.224	0.006	35	5086	0.5005	0.6680	
23 1,1,2-Trichloro-1,2,2-trif	101	6.235	6.235	0.000	94	54420	0.5005	0.5400	
24 1,1-Dichloroethene	96	6.272	6.278	-0.006	83	23848	0.5005	0.5421	
25 Acetone	43	6.561	6.556	0.005	87	35390	0.5005	0.9820	
26 Carbon disulfide	76	6.652	6.658	-0.006	98	78156	0.5005	0.6826	
27 Isopropyl alcohol	45	6.898	6.888	0.010	97	16051	0.5005	0.5343	
29 3-Chloro-1-propene	41	7.123	7.123	0.000	83	15454	0.5005	0.5504	
30 Acetonitrile	41	7.294	7.294	0.000	98	9190	0.5005	0.6437	
31 Methylene Chloride	49	7.439	7.439	0.000	80	18735	0.5005	0.5849	
32 2-Methyl-2-propanol	59	7.728	7.706	0.022	98	29189	0.5005	0.5245	
33 Methyl tert-butyl ether	73	7.867	7.851	0.017	94	52683	0.5005	0.5239	
34 trans-1,2-Dichloroethene	61	7.883	7.883	0.000	85	24810	0.5005	0.5202	
35 Acrylonitrile	53	8.086	8.081	0.005	90	8796	0.5005	0.5031	
36 Hexane	57	8.284	8.284	0.000	86	19077	0.5005	0.5162	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
37 1,1-Dichloroethane	63	8.803	8.808	-0.005	99	34482	0.5005	0.4909	
38 Vinyl acetate	43	8.905	8.910	-0.005	99	33743	0.5005	0.5284	
39 cis-1,2-Dichloroethene	96	9.953	9.958	-0.005	89	33954	0.5005	0.5288	
40 2-Butanone (MEK)	72	10.033	10.028	0.005	97	11578	0.5005	0.5872	
42 Ethyl acetate	88	10.087	10.076	0.011	98	1654	0.5005	0.5639	
S 41 1,2-Dichloroethene, Total	61				0		1.00	1.05	
44 Tetrahydrofuran	42	10.429	10.424	0.005	31	17736	0.5005	0.6268	
* 43 Chlorobromomethane	128	10.429	10.434	-0.005	67	734925	10.0	10.0	
45 Chloroform	83	10.579	10.579	0.000	98	68952	0.5005	0.5201	
46 Cyclohexane	84	10.782	10.787	-0.005	83	34830	0.5005	0.5230	M
47 1,1,1-Trichloroethane	97	10.836	10.836	0.000	95	81720	0.5005	0.5331	
48 Carbon tetrachloride	117	11.082	11.082	0.000	96	103533	0.5005	0.5013	
51 Isooctane	57	11.537	11.531	0.006	99	108865	0.5005	0.5359	
50 Benzene	78	11.569	11.569	0.000	93	102043	0.5005	0.5525	
52 1,2-Dichloroethane	62	11.772	11.772	0.000	99	45451	0.5005	0.5226	
53 n-Heptane	43	11.938	11.938	0.000	82	37010	0.5005	0.5512	
* 54 1,4-Difluorobenzene	114	12.441	12.441	0.000	90	4176694	10.0	10.0	
55 n-Butanol	56	12.869	12.863	0.006	84	22751	0.5005	0.8768	
56 Trichloroethene	95	12.885	12.895	-0.010	93	68741	0.5005	0.5146	
A 57 GRO	1	13.074	(4.625-21.524)		0	15060686	0.5005	0	
58 1,2-Dichloropropane	63	13.468	13.473	-0.005	91	43604	0.5005	0.5158	
59 Methyl methacrylate	69	13.671	13.660	0.011	75	37868	0.5005	0.5020	
60 1,4-Dioxane	88	13.714	13.698	0.016	33	27259	0.5005	0.6723	
61 Dibromomethane	174	13.730	13.730	0.000	89	97463	0.5005	0.5114	
62 Dichlorobromomethane	83	14.046	14.045	0.001	97	116055	0.5005	0.4949	
A 63 TVOC as Toluene	1	14.776	(2.748-26.804)		0	26395216	0.5005	0	
64 cis-1,3-Dichloropropene	75	15.025	15.024	0.001	87	73709	0.5005	0.4460	
65 4-Methyl-2-pentanone (MIBK	43	15.346	15.345	0.001	92	91397	0.5005	0.6349	
A 67 Toluene Range	1	15.634	(15.594-15.674)		0	387884	NC	NC	
66 Toluene	92	15.624	15.634	-0.010	93	106348	0.5005	0.4799	
A 68 C8 Range	1	15.710	(15.649-15.749)		0	333297	NC	NC	
69 n-Octane	43	15.699	15.699	0.000	84	67072	0.5005	0.5053	
70 trans-1,3-Dichloropropene	75	16.271	16.271	0.000	92	77239	0.5005	0.4519	
71 1,1,2-Trichloroethane	83	16.656	16.656	0.000	94	55540	0.5005	0.4720	
72 Tetrachloroethene	166	16.736	16.736	0.000	93	142977	0.5005	0.4811	
73 2-Hexanone	43	17.132	17.127	0.005	92	90071	0.5005	0.6361	
74 Chlorodibromomethane	129	17.427	17.432	-0.005	97	148726	0.5005	0.4432	
75 Ethylene Dibromide	107	17.699	17.705	-0.006	98	122566	0.5005	0.4693	
* 76 Chlorobenzene-d5	117	18.614	18.614	0.000	80	4841724	10.0	10.0	
77 Chlorobenzene	112	18.678	18.678	0.000	95	173403	0.5005	0.4890	
78 Ethylbenzene	91	18.834	18.833	0.001	96	228858	0.5005	0.4943	
79 n-Nonane	57	18.962	18.962	0.000	82	75385	0.5005	0.4858	
80 m-Xylene & p-Xylene	106	19.090	19.090	0.000	99	201629	1.00	1.00	
83 o-Xylene	106	19.941	19.941	0.000	95	102343	0.5005	0.4811	
84 Styrene	104	19.994	19.994	0.000	98	140439	0.5005	0.4712	
S 82 Xylenes, Total	106				0		1.50	1.48	
85 Bromoform	173	20.417	20.417	0.000	98	175025	0.5005	0.4509	
86 Isopropylbenzene	105	20.620	20.626	-0.006	94	276053	0.5005	0.4898	
* 87 4-Bromofluorobenzene	95	20.990	20.989	0.001	95	2982344	10.0	10.0	
88 1,1,2,2-Tetrachloroethane	83	21.278	21.284	-0.006	97	139978	0.5005	0.4799	
90 N-Propylbenzene	91	21.343	21.342	0.001	100	315206	0.5005	0.5026	
89 1,2,3-Trichloropropane	75	21.380	21.375	0.005	93	98823	0.5005	0.4850	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
93 n-Decane	57	21.514	21.514	0.000	85	95538	0.5005	0.5415	
91 4-Ethyltoluene	105	21.530	21.530	0.000	98	274011	0.5005	0.5270	
92 2-Chlorotoluene	91	21.535	21.535	0.000	95	221154	0.5005	0.5398	
94 1,3,5-Trimethylbenzene	105	21.637	21.637	0.000	95	229822	0.5005	0.4987	
95 Alpha Methyl Styrene	118	22.001	22.000	0.001	93	122551	0.5005	0.4690	
96 tert-Butylbenzene	119	22.118	22.124	-0.006	94	236192	0.5005	0.5120	
97 1,2,4-Trimethylbenzene	105	22.215	22.214	0.001	95	234797	0.5005	0.5184	
98 sec-Butylbenzene	105	22.445	22.444	0.001	99	335004	0.5005	0.5178	
99 4-Isopropyltoluene	119	22.643	22.642	0.001	98	301362	0.5005	0.5207	
100 1,3-Dichlorobenzene	146	22.669	22.669	0.000	99	211924	0.5005	0.5206	
101 1,4-Dichlorobenzene	146	22.803	22.803	0.000	98	218051	0.5005	0.5086	
102 Benzyl chloride	91	23.006	23.006	0.000	100	191303	0.5005	0.5044	
103 n-Butylbenzene	91	23.210	23.210	0.000	97	246135	0.5005	0.5383	
104 Undecane	57	23.231	23.231	0.000	91	99565	0.5005	0.5497	
105 1,2-Dichlorobenzene	146	23.333	23.333	0.000	99	207591	0.5005	0.5185	
106 Dodecane	57	24.804	24.804	0.000	90	9056	0.5005	0.0702	
107 1,2,4-Trichlorobenzene	180	25.831	25.831	0.000	93	124545	0.5005	0.3535	
108 Hexachlorobutadiene	225	26.013	26.013	0.000	96	150485	0.5005	0.4790	
109 Naphthalene	128	26.323	26.323	0.000	99	197517	0.5005	0.3312	
110 1,2,3-Trichlorobenzene	180	26.799	26.794	0.005	94	51372	0.5005	0.2054	

QC Flag Legend

Processing Flags
NC - Not Calibrated

Review Flags
M - Manually Integrated

Reagents:

ATTO15CAL2w_00136	Amount Added: 200.00	Units: mL	
ATTO15GIS_00009	Amount Added: 20.00	Units: mL	Run Reagent

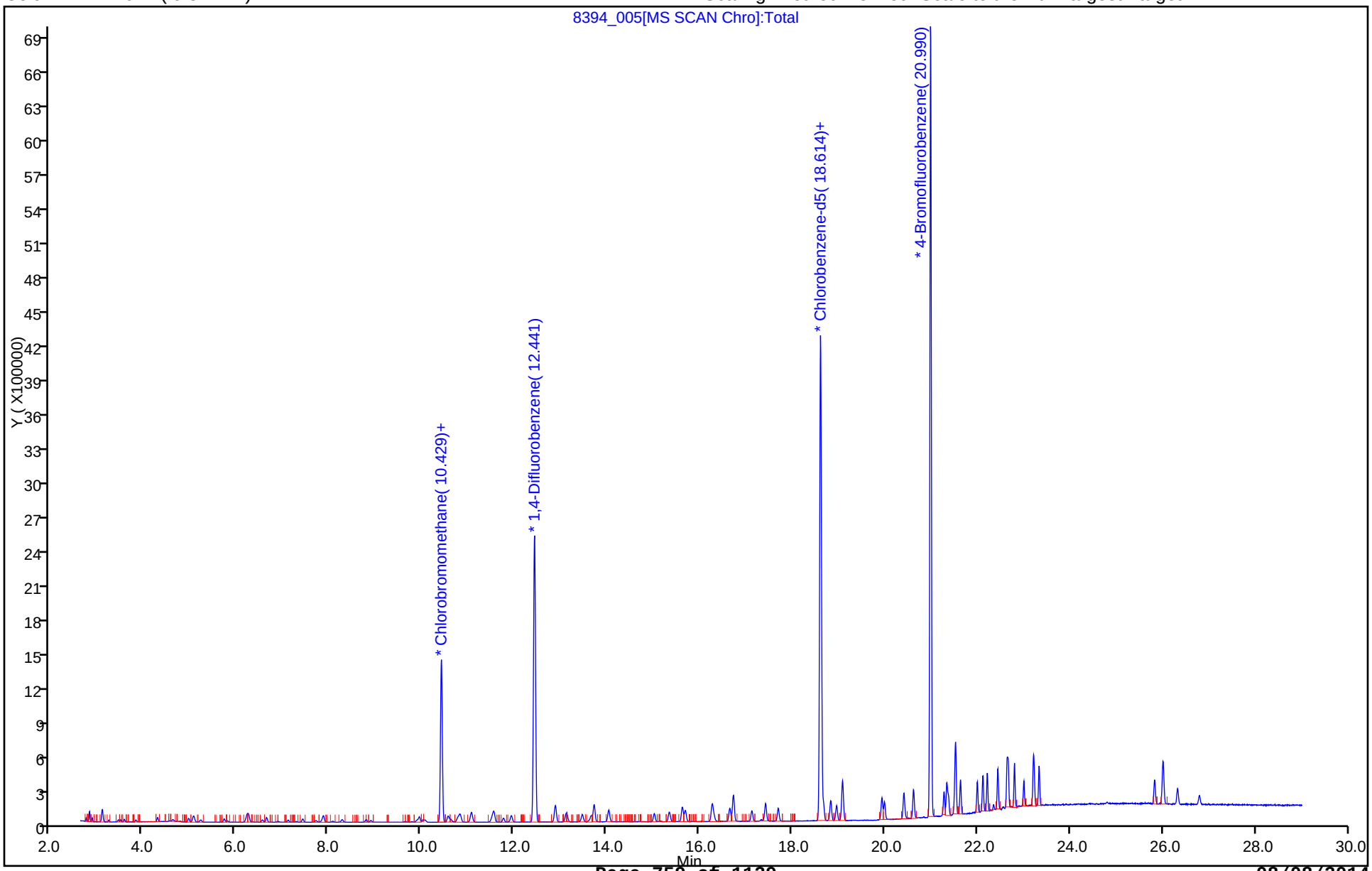
Report Date: 03-Jul-2014 12:48:13 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140702-8394.b\8394_005.D

Injection Date:	02-Jul-2014 18:35:30	Instrument ID:	CHG.i	Operator ID:	PAD
Lims ID:	IC			Worklist Smp#:	5
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	4
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



Manual Integration/User Assign Peak Report

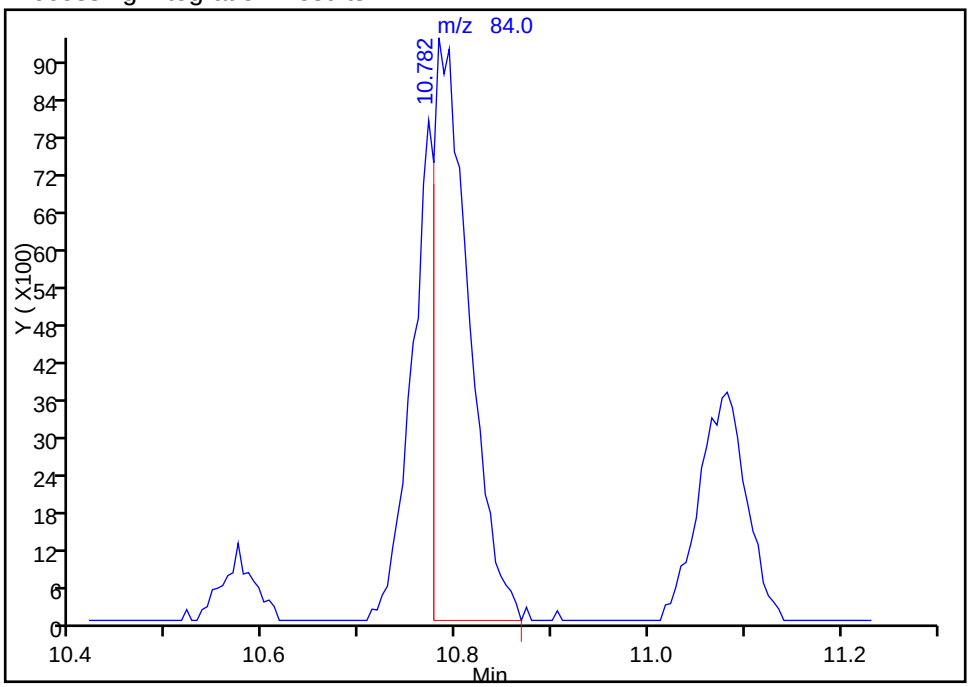
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140702-8394.b\8394_005.D
Injection Date: 02-Jul-2014 18:35:30 Instrument ID: CHG.i
Lims ID: IC
Client ID:
Operator ID: PAD ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_G Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

46 Cyclohexane, CAS: 110-82-7

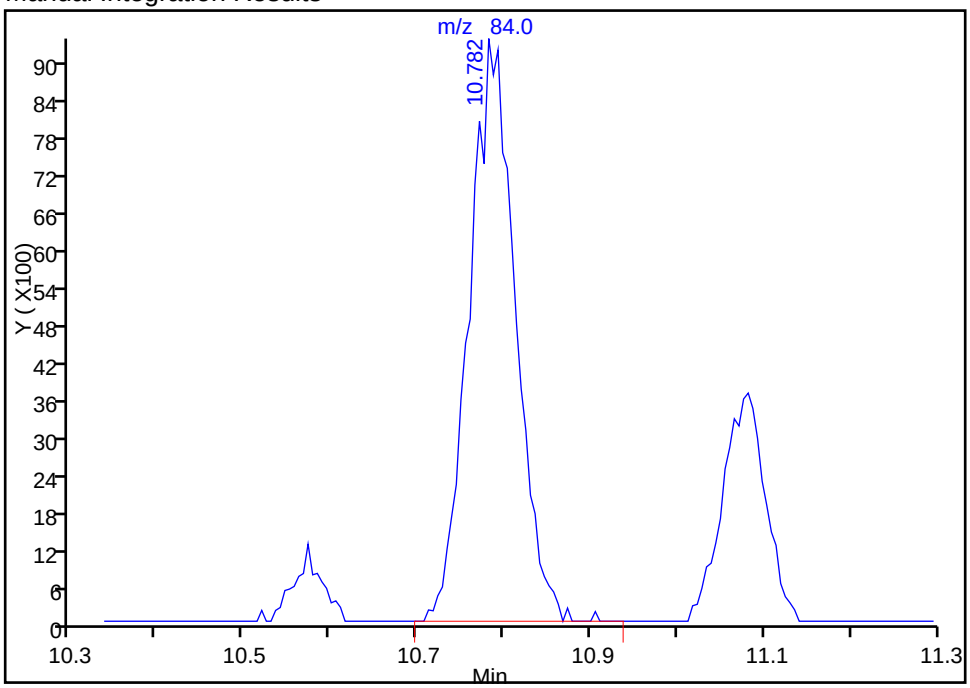
Processing Integration Results

RT: 10.78
Response: 23708
Amount: 0.373824



Manual Integration Results

RT: 10.78
Response: 34830
Amount: 0.523012



Reviewer: daiglep, 03-Jul-2014 11:49:17
Audit Action: Manually Integrated
Audit Reason: Baseline Event

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140702-8394.b\8394_006.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 02-Jul-2014 19:26:30 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0008394-006
Misc. Info.: ic-04
Operator ID: PAD Instrument ID: CHG.i
Sublist: chrom-TO15_LLNJ_TO3_G*sub3

Method: \\BTV-LIMS1\ChromData\CHG.i\20140702-8394.b\TO15_LLNJ_TO3_G.m
Limit Group: AI_TO15_ICAL
Last Update: 03-Jul-2014 12:48:15 Calib Date: 02-Jul-2014 22:50:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHG.i\20140702-8394.b\8394_010.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK017

First Level Reviewer: daiglep Date: 03-Jul-2014 11:42:22

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	2.758	2.758	0.000	97	80328	4.99	5.21	
2 Dichlorodifluoromethane	85	2.827	2.827	0.000	99	659036	4.99	5.34	
6 Chlorodifluoromethane	51	2.886	2.886	0.000	96	258482	4.99	5.44	
7 1,2-Dichloro-1,1,2,2-tetra	85	3.105	3.105	0.000	95	567744	4.99	5.27	
8 Chloromethane	50	3.244	3.244	0.000	99	126051	4.99	5.32	
9 Butane	43	3.453	3.453	0.000	97	159615	4.99	5.37	
10 Vinyl chloride	62	3.501	3.501	0.000	98	169108	4.99	5.04	
11 Butadiene	54	3.581	3.581	0.000	90	101988	4.99	5.18	
12 Bromomethane	94	4.298	4.298	0.000	98	239046	4.99	5.17	
14 Chloroethane	64	4.560	4.560	0.000	99	60213	4.99	5.17	
15 2-Methylbutane	43	4.630	4.635	-0.005	88	94913	4.99	5.20	
16 Vinyl bromide	106	4.972	4.972	0.000	98	282960	4.99	5.24	
17 Trichlorofluoromethane	101	5.079	5.079	0.000	98	719932	4.99	5.22	
18 Pentane	43	5.234	5.235	0.000	94	162445	4.99	5.32	
19 Ethanol	45	5.737	5.737	0.000	96	84040	10.0	11.5	
21 Ethyl ether	59	5.796	5.802	-0.006	93	82304	4.99	5.14	
22 Acrolein	56	6.219	6.224	-0.005	94	40191	4.99	5.88	
23 1,1,2-Trichloro-1,2,2-trif	101	6.235	6.235	0.000	94	475931	4.99	5.26	
24 1,1-Dichloroethene	96	6.272	6.278	-0.006	91	205789	4.99	5.21	
25 Acetone	43	6.556	6.556	0.000	87	171477	4.99	5.30	
26 Carbon disulfide	76	6.657	6.658	-0.001	98	509964	4.99	4.96	
27 Isopropyl alcohol	45	6.887	6.888	-0.001	98	129962	4.99	4.82	
29 3-Chloro-1-propene	41	7.118	7.123	-0.005	82	129047	4.99	5.12	
30 Acetonitrile	41	7.289	7.294	-0.005	98	68410	4.99	5.34	
31 Methylene Chloride	49	7.433	7.439	-0.006	81	152647	4.99	5.31	
32 2-Methyl-2-propanol	59	7.701	7.706	-0.005	98	237024	4.99	4.74	
33 Methyl tert-butyl ether	73	7.850	7.851	0.000	94	469313	4.99	5.20	
34 trans-1,2-Dichloroethene	61	7.888	7.883	0.005	86	224972	4.99	5.25	
35 Acrylonitrile	53	8.080	8.081	-0.001	93	82334	4.99	5.24	
36 Hexane	57	8.284	8.284	0.000	90	169269	4.99	5.10	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
37 1,1-Dichloroethane	63	8.808	8.808	0.000	99	312223	4.99	4.95	
38 Vinyl acetate	43	8.904	8.910	-0.006	99	308138	4.99	5.37	
39 cis-1,2-Dichloroethene	96	9.953	9.958	-0.005	90	298629	4.99	5.18	
40 2-Butanone (MEK)	72	10.028	10.028	0.000	94	92649	4.99	5.23	
42 Ethyl acetate	88	10.071	10.076	-0.005	99	13862	4.99	5.26	
S 41 1,2-Dichloroethene, Total	61				0		9.99	10.4	
44 Tetrahydrofuran	42	10.424	10.424	0.000	89	135743	4.99	5.51	
* 43 Chlorobromomethane	128	10.429	10.434	-0.005	73	659966	10.0	10.0	
45 Chloroform	83	10.573	10.579	-0.006	99	622301	4.99	5.23	
46 Cyclohexane	84	10.782	10.787	-0.005	81	311095	4.99	5.36	
47 1,1,1-Trichloroethane	97	10.836	10.836	0.000	95	722761	4.99	5.41	
48 Carbon tetrachloride	117	11.076	11.082	-0.006	96	940346	4.99	5.23	
51 Isooctane	57	11.531	11.531	0.000	99	975981	4.99	5.52	
50 Benzene	78	11.568	11.569	-0.001	93	866366	4.99	5.38	
52 1,2-Dichloroethane	62	11.772	11.772	0.000	99	409558	4.99	5.41	
53 n-Heptane	43	11.938	11.938	0.000	84	320065	4.99	5.47	
* 54 1,4-Difluorobenzene	114	12.440	12.441	-0.001	90	3638409	10.0	10.0	
55 n-Butanol	56	12.868	12.863	0.005	83	116839	4.99	5.17	
56 Trichloroethene	95	12.890	12.895	-0.005	92	601665	4.99	5.17	
A 57 GRO	1	13.074	(4.625-21.524)		0	137692284	4.99	0	
58 1,2-Dichloropropane	63	13.473	13.473	0.000	92	396923	4.99	5.39	
59 Methyl methacrylate	69	13.660	13.660	0.000	77	354345	4.99	5.39	
60 1,4-Dioxane	88	13.703	13.698	0.005	82	190151	4.99	5.38	
61 Dibromomethane	174	13.730	13.730	0.000	89	889445	4.99	5.36	
62 Dichlorobromomethane	83	14.045	14.045	0.000	97	1107576	4.99	5.42	
A 63 TVOC as Toluene	1	14.776	(2.748-26.804)		0	262891225	4.99	0	
64 cis-1,3-Dichloropropene	75	15.030	15.024	0.006	86	800005	4.99	5.56	
65 4-Methyl-2-pentanone (MIBK	43	15.345	15.345	0.000	94	668136	4.99	5.33	
A 67 Toluene Range	1	15.634	(15.594-15.674)		0	3982953	NC	NC	
66 Toluene	92	15.634	15.634	0.000	94	1091891	4.99	6.00	
A 68 C8 Range	1	15.712	(15.649-15.749)		0	3081050	NC	NC	
69 n-Octane	43	15.698	15.699	-0.001	86	679811	4.99	5.88	
70 trans-1,3-Dichloropropene	75	16.271	16.271	0.000	92	839204	4.99	5.64	
71 1,1,2-Trichloroethane	83	16.656	16.656	0.000	95	576495	4.99	5.96	
72 Tetrachloroethene	166	16.736	16.736	0.000	94	1313294	4.99	5.38	
73 2-Hexanone	43	17.127	17.127	0.000	91	657345	4.99	5.65	
74 Chlorodibromomethane	129	17.432	17.432	0.000	97	1621516	4.99	5.88	
75 Ethylene Dibromide	107	17.705	17.705	0.000	99	1284392	4.99	5.99	
* 76 Chlorobenzene-d5	117	18.614	18.614	0.000	80	3977603	10.0	10.0	
77 Chlorobenzene	112	18.678	18.678	0.000	99	1696224	4.99	5.82	
78 Ethylbenzene	91	18.833	18.833	0.000	96	2299201	4.99	6.04	
79 n-Nonane	57	18.962	18.962	0.000	82	793770	4.99	6.23	
80 m-Xylene & p-Xylene	106	19.090	19.090	0.000	98	2023026	9.99	12.2	
83 o-Xylene	106	19.941	19.941	0.000	96	1048212	4.99	6.00	
84 Styrene	104	19.994	19.994	0.000	99	1543131	4.99	6.30	
S 82 Xylenes, Total	106				0		15.0	18.2	
85 Bromoform	173	20.417	20.417	0.000	98	1901837	4.99	5.96	
86 Isopropylbenzene	105	20.626	20.626	0.000	94	2756567	4.99	5.95	
* 87 4-Bromofluorobenzene	95	20.989	20.989	0.000	96	2438335	10.0	10.0	
88 1,1,2,2-Tetrachloroethane	83	21.284	21.284	0.000	97	1469369	4.99	6.13	
90 N-Propylbenzene	91	21.342	21.342	0.000	100	3139875	4.99	6.09	
89 1,2,3-Trichloropropane	75	21.380	21.375	0.005	95	1027053	4.99	6.14	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
93 n-Decane	57	21.514	21.514	0.000	83	980994	4.99	6.77	
91 4-Ethyltoluene	105	21.530	21.530	0.000	98	2674878	4.99	6.26	
92 2-Chlorotoluene	91	21.535	21.535	0.000	93	2132794	4.99	6.34	
94 1,3,5-Trimethylbenzene	105	21.637	21.637	0.000	95	2304215	4.99	6.09	
95 Alpha Methyl Styrene	118	22.000	22.000	0.000	93	1322138	4.99	6.16	
96 tert-Butylbenzene	119	22.123	22.124	-0.001	95	2334681	4.99	6.16	
97 1,2,4-Trimethylbenzene	105	22.214	22.214	0.000	95	2342749	4.99	6.30	
98 sec-Butylbenzene	105	22.444	22.444	0.000	99	3368522	4.99	6.34	
99 4-Isopropyltoluene	119	22.642	22.642	0.000	97	2989165	4.99	6.29	
100 1,3-Dichlorobenzene	146	22.669	22.669	0.000	99	2065097	4.99	6.18	
101 1,4-Dichlorobenzene	146	22.803	22.803	0.000	97	2096584	4.99	5.95	
102 Benzyl chloride	91	23.006	23.006	0.000	99	2050975	4.99	6.58	
103 n-Butylbenzene	91	23.209	23.210	-0.001	98	2454528	4.99	6.53	
104 Undecane	57	23.231	23.231	0.000	90	1072885	4.99	7.21	
105 1,2-Dichlorobenzene	146	23.332	23.333	-0.001	100	1987125	4.99	6.04	
106 Dodecane	57	24.804	24.804	0.000	91	505603	4.99	4.77	
107 1,2,4-Trichlorobenzene	180	25.831	25.831	0.000	92	1666134	4.99	5.76	
108 Hexachlorobutadiene	225	26.013	26.013	0.000	94	1588774	4.99	6.16	
109 Naphthalene	128	26.323	26.323	0.000	99	2789120	4.99	5.69	
110 1,2,3-Trichlorobenzene	180	26.799	26.794	0.005	95	1352324	4.99	6.58	

QC Flag Legend

Processing Flags
NC - Not Calibrated

Reagents:

ATTO15CAL3w_00128	Amount Added: 200.00	Units: mL	
ATTO15GIS_00009	Amount Added: 20.00	Units: mL	Run Reagent

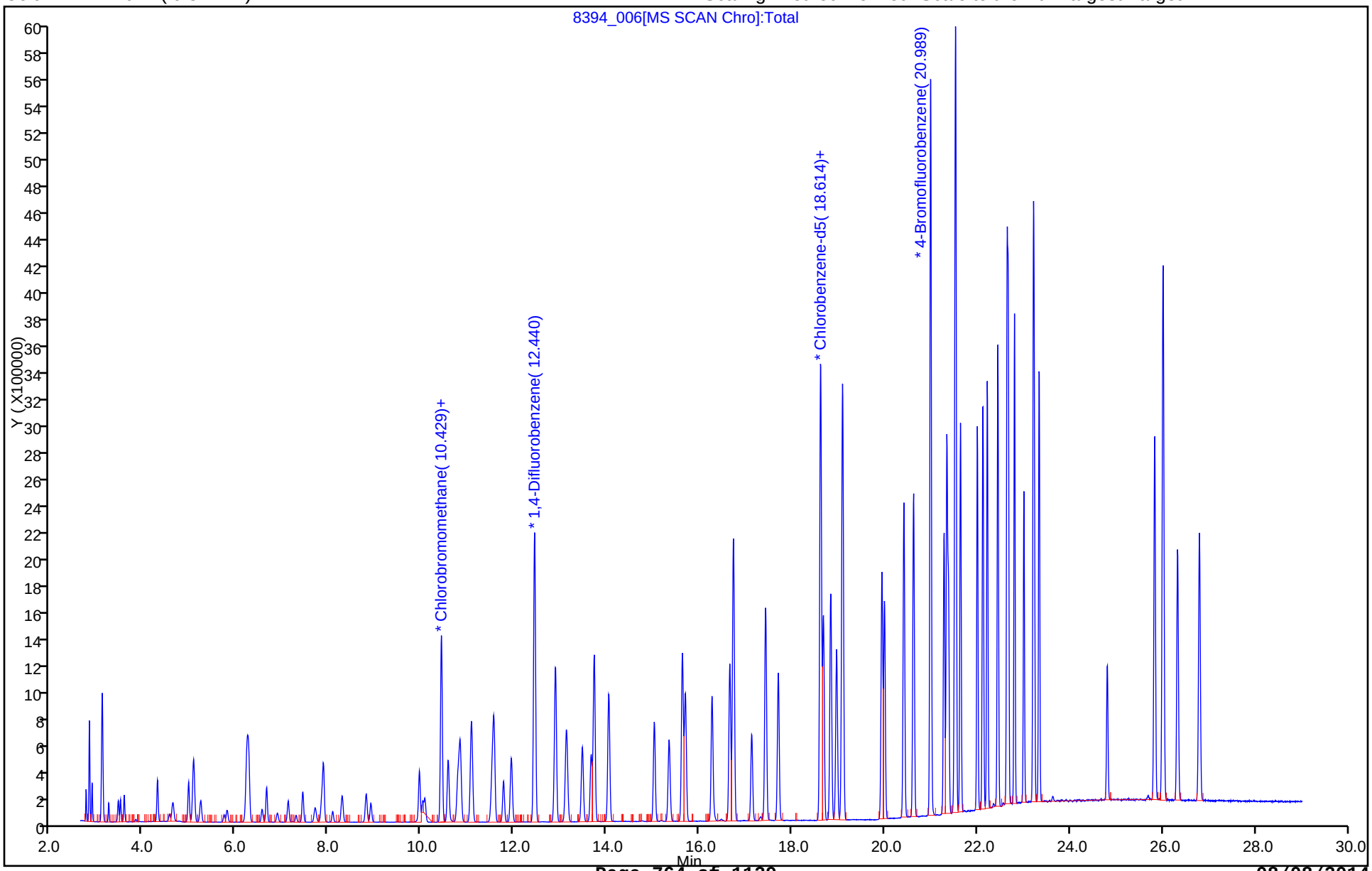
Report Date: 03-Jul-2014 12:48:15 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140702-8394.b\8394_006.D

Injection Date:	02-Jul-2014 19:26:30	Instrument ID:	CHG.i	Operator ID:	PAD
Lims ID:	IC			Worklist Smp#:	6
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



TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140702-8394.b\8394_007.D
Lims ID: ICIS
Client ID:
Sample Type: ICIS Calib Level: 5
Inject. Date: 02-Jul-2014 20:17:30 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0008394-007
Misc. Info.: icis-05
Operator ID: PAD Instrument ID: CHG.i
Sublist: chrom-TO15_LLNJ_TO3_G*sub3

Method: \\BTV-LIMS1\ChromData\CHG.i\20140702-8394.b\TO15_LLNJ_TO3_G.m
Limit Group: AI_TO15_ICAL
Last Update: 03-Jul-2014 12:48:16 Calib Date: 02-Jul-2014 22:50:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHG.i\20140702-8394.b\8394_010.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK017

First Level Reviewer: daiglep Date: 03-Jul-2014 10:34:24

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	2.758	2.758	0.000	96	170098	10.0	9.88	
2 Dichlorodifluoromethane	85	2.827	2.827	0.000	98	1388924	10.0	10.1	
6 Chlorodifluoromethane	51	2.886	2.886	0.000	96	531495	10.0	10.0	
7 1,2-Dichloro-1,1,2,2-tetra	85	3.105	3.105	0.000	95	1178683	10.0	9.80	
8 Chloromethane	50	3.244	3.244	0.000	99	264186	10.0	9.99	
9 Butane	43	3.453	3.453	0.000	97	327428	10.0	9.87	
10 Vinyl chloride	62	3.501	3.501	0.000	97	349959	10.0	9.34	
11 Butadiene	54	3.581	3.581	0.000	90	211856	10.0	9.64	
12 Bromomethane	94	4.298	4.298	0.000	98	504040	10.0	9.78	
14 Chloroethane	64	4.560	4.560	0.000	99	128119	10.0	9.86	
15 2-Methylbutane	43	4.635	4.635	0.000	87	198285	10.0	9.73	
16 Vinyl bromide	106	4.972	4.972	0.000	98	597098	10.0	9.91	
17 Trichlorofluoromethane	101	5.079	5.079	0.000	98	1516389	10.0	9.85	
18 Pentane	43	5.235	5.235	0.000	94	336759	10.0	9.88	
19 Ethanol	45	5.737	5.737	0.000	95	112410	15.0	13.7	
21 Ethyl ether	59	5.802	5.802	0.000	91	175759	10.0	9.83	
22 Acrolein	56	6.224	6.224	0.000	96	74954	10.0	9.82	
23 1,1,2-Trichloro-1,2,2-trif	101	6.235	6.235	0.000	93	1001116	10.0	9.91	
24 1,1-Dichloroethene	96	6.278	6.278	0.000	90	432465	10.0	9.81	
25 Acetone	43	6.556	6.556	0.000	87	385646	10.0	10.7	
26 Carbon disulfide	76	6.658	6.658	0.000	98	1076544	10.0	9.38	
27 Isopropyl alcohol	45	6.888	6.888	0.000	98	327317	10.0	10.9	
29 3-Chloro-1-propene	41	7.123	7.123	0.000	82	263998	10.0	9.38	
30 Acetonitrile	41	7.294	7.294	0.000	97	145956	10.0	10.2	
31 Methylene Chloride	49	7.439	7.439	0.000	80	313322	10.0	9.76	
32 2-Methyl-2-propanol	59	7.706	7.706	0.000	98	601255	10.0	10.8	
33 Methyl tert-butyl ether	73	7.851	7.851	0.000	94	990784	10.0	9.83	
34 trans-1,2-Dichloroethene	61	7.883	7.883	0.000	85	467993	10.0	9.79	
35 Acrylonitrile	53	8.081	8.081	0.000	96	176110	10.0	10.0	
36 Hexane	57	8.284	8.284	0.000	89	356751	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
37 1,1-Dichloroethane	63	8.808	8.808	0.000	99	664527	10.0	9.44	
38 Vinyl acetate	43	8.910	8.910	0.000	100	639235	10.0	9.99	
39 cis-1,2-Dichloroethene	96	9.958	9.958	0.000	90	625255	10.0	9.72	
40 2-Butanone (MEK)	72	10.028	10.028	0.000	96	194570	10.0	9.85	
42 Ethyl acetate	88	10.076	10.076	0.000	98	29405	10.0	10.0	
S 41 1,2-Dichloroethene, Total	61				0		20.0	19.5	
44 Tetrahydrofuran	42	10.424	10.424	0.000	79	290899	10.0	10.2	
* 43 Chlorobromomethane	128	10.434	10.434	0.000	66	736541	10.0	10.0	
45 Chloroform	83	10.579	10.579	0.000	98	1314095	10.0	9.89	
46 Cyclohexane	84	10.787	10.787	0.000	80	660836	10.0	9.82	
47 1,1,1-Trichloroethane	97	10.836	10.836	0.000	95	1515770	10.0	9.79	
48 Carbon tetrachloride	117	11.082	11.082	0.000	95	1995966	10.0	9.56	
51 Isooctane	57	11.531	11.531	0.000	99	2027474	10.0	9.88	
50 Benzene	78	11.569	11.569	0.000	93	1784486	10.0	9.56	
52 1,2-Dichloroethane	62	11.772	11.772	0.000	99	863241	10.0	9.82	
53 n-Heptane	43	11.938	11.938	0.000	84	659127	10.0	9.71	
* 54 1,4-Difluorobenzene	114	12.441	12.441	0.000	90	4220208	10.0	10.0	
55 n-Butanol	56	12.863	12.863	0.000	83	287275	10.0	11.0	
56 Trichloroethene	95	12.895	12.895	0.000	92	1268564	10.0	9.40	
A 57 GRO	1	13.074	(4.625-21.524)		0	290127649	10.0	0	
58 1,2-Dichloropropane	63	13.473	13.473	0.000	93	851826	10.0	9.97	
59 Methyl methacrylate	69	13.660	13.660	0.000	78	775397	10.0	10.2	
60 1,4-Dioxane	88	13.698	13.698	0.000	81	448454	10.0	10.9	
61 Dibromomethane	174	13.730	13.730	0.000	89	1895687	10.0	9.85	
62 Dichlorobromomethane	83	14.045	14.045	0.000	97	2376718	10.0	10.0	
A 63 TVOC as Toluene	1	14.776	(2.748-26.804)		0	556782059	10.0	0	
64 cis-1,3-Dichloropropene	75	15.024	15.024	0.000	86	1696969	10.0	10.2	
65 4-Methyl-2-pentanone (MIBK	43	15.345	15.345	0.000	91	1412894	10.0	9.71	
A 67 Toluene Range	1	15.634	(15.594-15.674)		0	8197741	NC	NC	
66 Toluene	92	15.634	15.634	0.000	94	2285976	10.0	10.0	
A 68 C8 Range	1	15.712	(15.649-15.749)		0	6360424	NC	NC	
69 n-Octane	43	15.699	15.699	0.000	83	1373381	10.0	10.2	
70 trans-1,3-Dichloropropene	75	16.271	16.271	0.000	92	1785664	10.0	10.3	
71 1,1,2-Trichloroethane	83	16.656	16.656	0.000	95	1240809	10.0	10.3	
72 Tetrachloroethene	166	16.736	16.736	0.000	94	2829359	10.0	9.26	
73 2-Hexanone	43	17.127	17.127	0.000	90	1390936	10.0	9.56	
74 Chlorodibromomethane	129	17.432	17.432	0.000	97	3557458	10.0	10.3	
75 Ethylene Dibromide	107	17.705	17.705	0.000	99	2735727	10.0	10.2	
* 76 Chlorobenzene-d5	117	18.614	18.614	0.000	79	4976595	10.0	10.0	
77 Chlorobenzene	112	18.678	18.678	0.000	99	3607841	10.0	9.90	
78 Ethylbenzene	91	18.833	18.833	0.000	96	4809938	10.0	10.1	
79 n-Nonane	57	18.962	18.962	0.000	82	1633586	10.0	10.2	
80 m-Xylene & p-Xylene	106	19.090	19.090	0.000	97	4226010	20.0	20.3	
83 o-Xylene	106	19.941	19.941	0.000	96	2225939	10.0	10.2	
84 Styrene	104	19.994	19.994	0.000	98	3266111	10.0	10.7	
S 82 Xylenes, Total	106				0		30.0	30.5	
85 Bromoform	173	20.417	20.417	0.000	98	4164584	10.0	10.4	
86 Isopropylbenzene	105	20.626	20.626	0.000	94	5861433	10.0	10.1	
* 87 4-Bromofluorobenzene	95	20.989	20.989	0.000	94	3101909	10.0	10.0	
88 1,1,2,2-Tetrachloroethane	83	21.284	21.284	0.000	97	3101329	10.0	10.3	
90 N-Propylbenzene	91	21.342	21.342	0.000	99	6572073	10.0	10.2	
89 1,2,3-Trichloropropane	75	21.375	21.375	0.000	93	2143237	10.0	10.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
93 n-Decane	57	21.514	21.514	0.000	83	1932680	10.0	10.7	
91 4-Ethyltoluene	105	21.530	21.530	0.000	97	5547856	10.0	10.4	
92 2-Chlorotoluene	91	21.535	21.535	0.000	93	4332664	10.0	10.3	
94 1,3,5-Trimethylbenzene	105	21.637	21.637	0.000	95	4884740	10.0	10.3	
95 Alpha Methyl Styrene	118	22.000	22.000	0.000	94	2862811	10.0	10.7	
96 tert-Butylbenzene	119	22.124	22.124	0.000	95	4911360	10.0	10.4	
97 1,2,4-Trimethylbenzene	105	22.214	22.214	0.000	95	4756462	10.0	10.2	
98 sec-Butylbenzene	105	22.444	22.444	0.000	99	6952758	10.0	10.5	
99 4-Isopropyltoluene	119	22.642	22.642	0.000	97	6236657	10.0	10.5	
100 1,3-Dichlorobenzene	146	22.669	22.669	0.000	99	4265753	10.0	10.2	
101 1,4-Dichlorobenzene	146	22.803	22.803	0.000	97	4489041	10.0	10.2	
102 Benzyl chloride	91	23.006	23.006	0.000	99	3866190	10.0	9.92	
103 n-Butylbenzene	91	23.210	23.210	0.000	98	4995441	10.0	10.6	
104 Undecane	57	23.231	23.231	0.000	90	1983037	10.0	10.7	
105 1,2-Dichlorobenzene	146	23.333	23.333	0.000	99	4218686	10.0	10.3	
106 Dodecane	57	24.804	24.804	0.000	91	1318300	10.0	9.95	
107 1,2,4-Trichlorobenzene	180	25.831	25.831	0.000	93	3928763	10.0	10.8	
108 Hexachlorobutadiene	225	26.013	26.013	0.000	97	3446578	10.0	10.7	
109 Naphthalene	128	26.323	26.323	0.000	99	7110590	10.0	11.6	
110 1,2,3-Trichlorobenzene	180	26.794	26.794	0.000	95	3327278	10.0	12.9	

QC Flag Legend

Processing Flags
NC - Not Calibrated

Reagents:

ATTO15CAL4w_00372	Amount Added: 200.00	Units: mL	
ATTO15GIS_00009	Amount Added: 20.00	Units: mL	Run Reagent

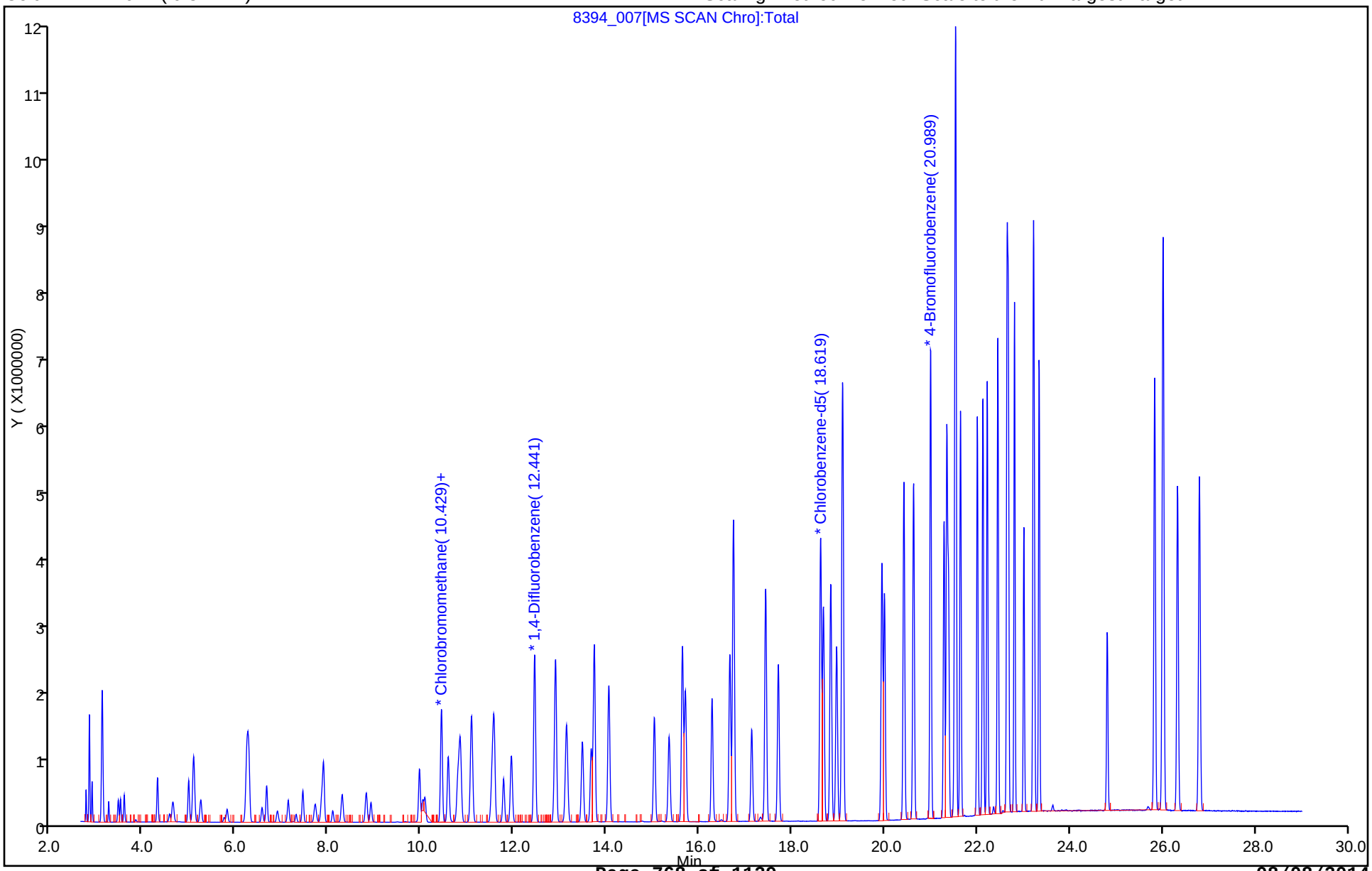
Report Date: 03-Jul-2014 12:48:17 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140702-8394.b\8394_007.D

Injection Date:	02-Jul-2014 20:17:30	Instrument ID:	CHG.i	Operator ID:	PAD
Lims ID:	ICIS			Worklist Smp#:	7
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	6
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



TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140702-8394.b\8394_008.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 02-Jul-2014 21:08:30 ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0008394-008
Misc. Info.: ic-06
Operator ID: PAD Instrument ID: CHG.i
Sublist: chrom-TO15_LLNJ_TO3_G*sub3

Method: \\BTV-LIMS1\ChromData\CHG.i\20140702-8394.b\TO15_LLNJ_TO3_G.m
Limit Group: AI_TO15_ICAL
Last Update: 03-Jul-2014 12:48:18 Calib Date: 02-Jul-2014 22:50:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHG.i\20140702-8394.b\8394_010.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK017

First Level Reviewer: daiglep Date: 03-Jul-2014 11:51:16

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	2.758	2.758	0.000	97	248238	15.0	14.3	
2 Dichlorodifluoromethane	85	2.833	2.827	0.006	99	2052460	15.0	14.7	
6 Chlorodifluoromethane	51	2.886	2.886	0.000	96	781362	15.0	14.6	
7 1,2-Dichloro-1,1,2,2-tetra	85	3.105	3.105	0.000	95	1730831	15.0	14.2	
8 Chloromethane	50	3.250	3.244	0.006	98	389619	15.0	14.6	
9 Butane	43	3.453	3.453	0.000	97	480180	15.0	14.3	
10 Vinyl chloride	62	3.501	3.501	0.000	97	516605	15.0	13.6	
11 Butadiene	54	3.582	3.581	0.001	90	314284	15.0	14.1	
12 Bromomethane	94	4.304	4.298	0.006	98	748619	15.0	14.4	
14 Chloroethane	64	4.561	4.560	0.001	99	191365	15.0	14.6	
15 2-Methylbutane	43	4.635	4.635	0.000	87	292654	15.0	14.2	
16 Vinyl bromide	106	4.972	4.972	0.000	98	896832	15.0	14.7	
17 Trichlorofluoromethane	101	5.079	5.079	0.000	98	2245848	15.0	14.4	
18 Pentane	43	5.235	5.235	0.001	93	492875	15.0	14.3	
19 Ethanol	45	5.743	5.737	0.006	95	147485	20.0	17.8	
21 Ethyl ether	59	5.802	5.802	0.000	92	257695	15.0	14.3	
22 Acrolein	56	6.224	6.224	0.000	96	110757	15.0	14.3	
23 1,1,2-Trichloro-1,2,2-trif	101	6.240	6.235	0.005	94	1473574	15.0	14.4	
24 1,1-Dichloroethene	96	6.278	6.278	0.000	91	633456	15.0	14.2	
25 Acetone	43	6.556	6.556	0.000	87	543463	15.0	14.9	
26 Carbon disulfide	76	6.658	6.658	0.000	98	1595637	15.0	13.7	
27 Isopropyl alcohol	45	6.888	6.888	0.000	98	460324	15.0	15.1	
29 3-Chloro-1-propene	41	7.123	7.123	0.000	82	392816	15.0	13.8	
30 Acetonitrile	41	7.294	7.294	0.000	98	216661	15.0	15.0	
31 Methylene Chloride	49	7.439	7.439	0.000	80	465923	15.0	14.3	
32 2-Methyl-2-propanol	59	7.706	7.706	0.000	98	858559	15.0	15.2	
33 Methyl tert-butyl ether	73	7.856	7.851	0.006	94	1482379	15.0	14.5	
34 trans-1,2-Dichloroethene	61	7.888	7.883	0.005	90	696669	15.0	14.4	
35 Acrylonitrile	53	8.086	8.081	0.005	93	264296	15.0	14.9	
36 Hexane	57	8.284	8.284	0.000	89	535339	15.0	14.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
37 1,1-Dichloroethane	63	8.808	8.808	0.000	99	992349	15.0	13.9	
38 Vinyl acetate	43	8.910	8.910	0.000	99	961163	15.0	14.8	
39 cis-1,2-Dichloroethene	96	9.958	9.958	0.000	89	944053	15.0	14.5	
40 2-Butanone (MEK)	72	10.028	10.028	0.000	97	285885	15.0	14.3	
42 Ethyl acetate	88	10.081	10.076	0.005	99	45214	15.0	15.2	
S 41 1,2-Dichloroethene, Total	61				0		30.0	28.9	
44 Tetrahydrofuran	42	10.424	10.424	0.000	88	430719	15.0	14.9	
* 43 Chlorobromomethane	128	10.434	10.434	0.000	68	745017	10.0	10.0	
45 Chloroform	83	10.579	10.579	0.000	98	1949887	15.0	14.5	
46 Cyclohexane	84	10.788	10.787	0.001	81	972806	15.0	14.3	
47 1,1,1-Trichloroethane	97	10.836	10.836	0.000	95	2259124	15.0	14.4	
48 Carbon tetrachloride	117	11.082	11.082	0.000	96	2982638	15.0	14.1	
51 Isooctane	57	11.537	11.531	0.006	99	2969645	15.0	14.3	
50 Benzene	78	11.569	11.569	0.000	93	2622407	15.0	13.9	
52 1,2-Dichloroethane	62	11.772	11.772	0.000	99	1286886	15.0	14.4	
53 n-Heptane	43	11.943	11.938	0.005	83	964807	15.0	14.0	
* 54 1,4-Difluorobenzene	114	12.446	12.441	0.005	90	4281270	10.0	10.0	
55 n-Butanol	56	12.869	12.863	0.006	83	387928	15.0	14.6	
56 Trichloroethene	95	12.895	12.895	0.000	91	1874574	15.0	13.7	
A 57 GRO	1	13.074	(4.625-21.524)		0	429099806	15.0	0	
58 1,2-Dichloropropane	63	13.473	13.473	0.000	92	1270840	15.0	14.7	
59 Methyl methacrylate	69	13.666	13.660	0.006	77	1168433	15.0	15.1	
60 1,4-Dioxane	88	13.703	13.698	0.005	86	633593	15.0	15.2	
61 Dibromomethane	174	13.735	13.730	0.005	88	2853915	15.0	14.6	
62 Dichlorobromomethane	83	14.046	14.045	0.001	96	3580395	15.0	14.9	
A 63 TVOC as Toluene	1	14.776	(2.748-26.804)		0	808683725	15.0	0	
64 cis-1,3-Dichloropropene	75	15.025	15.024	0.001	86	2556635	15.0	15.1	
65 4-Methyl-2-pentanone (MIBK	43	15.346	15.345	0.001	91	2088690	15.0	14.2	
A 67 Toluene Range	1	15.634	(15.594-15.674)		0	12692022	NC	NC	
66 Toluene	92	15.634	15.634	0.000	94	3405892	15.0	14.7	
A 68 C8 Range	1	15.715	(15.649-15.749)		0	8797744	NC	NC	
69 n-Octane	43	15.699	15.699	0.000	91	1993459	15.0	14.7	
70 trans-1,3-Dichloropropene	75	16.271	16.271	0.000	91	2689208	15.0	15.4	
71 1,1,2-Trichloroethane	83	16.656	16.656	0.000	94	1839935	15.0	15.0	
72 Tetrachloroethene	166	16.736	16.736	0.000	94	4277622	15.0	13.8	
73 2-Hexanone	43	17.127	17.127	0.000	90	2067147	15.0	14.0	
74 Chlorodibromomethane	129	17.432	17.432	0.000	97	5374683	15.0	15.3	
75 Ethylene Dibromide	107	17.705	17.705	0.000	99	4097725	15.0	15.0	
* 76 Chlorobenzene-d5	117	18.620	18.614	0.006	79	5054250	10.0	10.0	
77 Chlorobenzene	112	18.678	18.678	0.000	99	5397449	15.0	14.6	
78 Ethylbenzene	91	18.839	18.833	0.006	96	7099201	15.0	14.7	
79 n-Nonane	57	18.962	18.962	0.000	81	2369525	15.0	14.6	
80 m-Xylene & p-Xylene	106	19.090	19.090	0.000	97	6092796	30.0	28.9	
83 o-Xylene	106	19.941	19.941	0.000	96	3299986	15.0	14.9	
84 Styrene	104	19.994	19.994	0.000	99	4600154	15.0	14.8	
S 82 Xylenes, Total	106				0		45.0	43.7	
85 Bromoform	173	20.417	20.417	0.000	98	6287112	15.0	15.5	
86 Isopropylbenzene	105	20.626	20.626	0.000	94	8627384	15.0	14.7	
* 87 4-Bromofluorobenzene	95	20.995	20.989	0.006	94	3079243	10.0	10.0	
88 1,1,2,2-Tetrachloroethane	83	21.284	21.284	0.000	96	4538003	15.0	14.9	
90 N-Propylbenzene	91	21.343	21.342	0.001	99	9620625	15.0	14.7	
89 1,2,3-Trichloropropane	75	21.380	21.375	0.005	93	3149011	15.0	14.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
93 n-Decane	57	21.514	21.514	0.000	83	2664452	15.0	14.5	
91 4-Ethyltoluene	105	21.535	21.530	0.005	97	7924974	15.0	14.6	
92 2-Chlorotoluene	91	21.540	21.535	0.005	95	6130377	15.0	14.3	
94 1,3,5-Trimethylbenzene	105	21.637	21.637	0.000	95	7052115	15.0	14.7	
95 Alpha Methyl Styrene	118	22.001	22.000	0.001	94	4107911	15.0	15.1	
96 tert-Butylbenzene	119	22.124	22.124	0.000	95	6850331	15.0	14.2	
97 1,2,4-Trimethylbenzene	105	22.215	22.214	0.001	95	6567904	15.0	13.9	
98 sec-Butylbenzene	105	22.445	22.444	0.001	99	9618961	15.0	14.2	
99 4-Isopropyltoluene	119	22.643	22.642	0.001	97	8610591	15.0	14.3	
100 1,3-Dichlorobenzene	146	22.669	22.669	0.000	99	5898248	15.0	13.9	
101 1,4-Dichlorobenzene	146	22.803	22.803	0.000	97	6618313	15.0	14.8	
102 Benzyl chloride	91	23.006	23.006	0.000	99	5402313	15.0	13.6	
103 n-Butylbenzene	91	23.210	23.210	0.000	98	6637133	15.0	13.9	
104 Undecane	57	23.231	23.231	0.000	90	2635136	15.0	13.9	
105 1,2-Dichlorobenzene	146	23.338	23.333	0.005	99	5865567	15.0	14.0	
106 Dodecane	57	24.804	24.804	0.000	92	2193018	15.0	16.3	
107 1,2,4-Trichlorobenzene	180	25.831	25.831	0.000	93	5759291	15.0	15.7	
108 Hexachlorobutadiene	225	26.013	26.013	0.000	97	5196551	15.0	15.8	
109 Naphthalene	128	26.323	26.323	0.000	99	9597027	15.0	15.4	
110 1,2,3-Trichlorobenzene	180	26.799	26.794	0.005	95	5044738	15.0	19.3	

QC Flag Legend

Processing Flags
NC - Not Calibrated

Reagents:

ATTO15CAL5w_00046	Amount Added: 200.00	Units: mL	
ATTO15GIS_00009	Amount Added: 20.00	Units: mL	Run Reagent

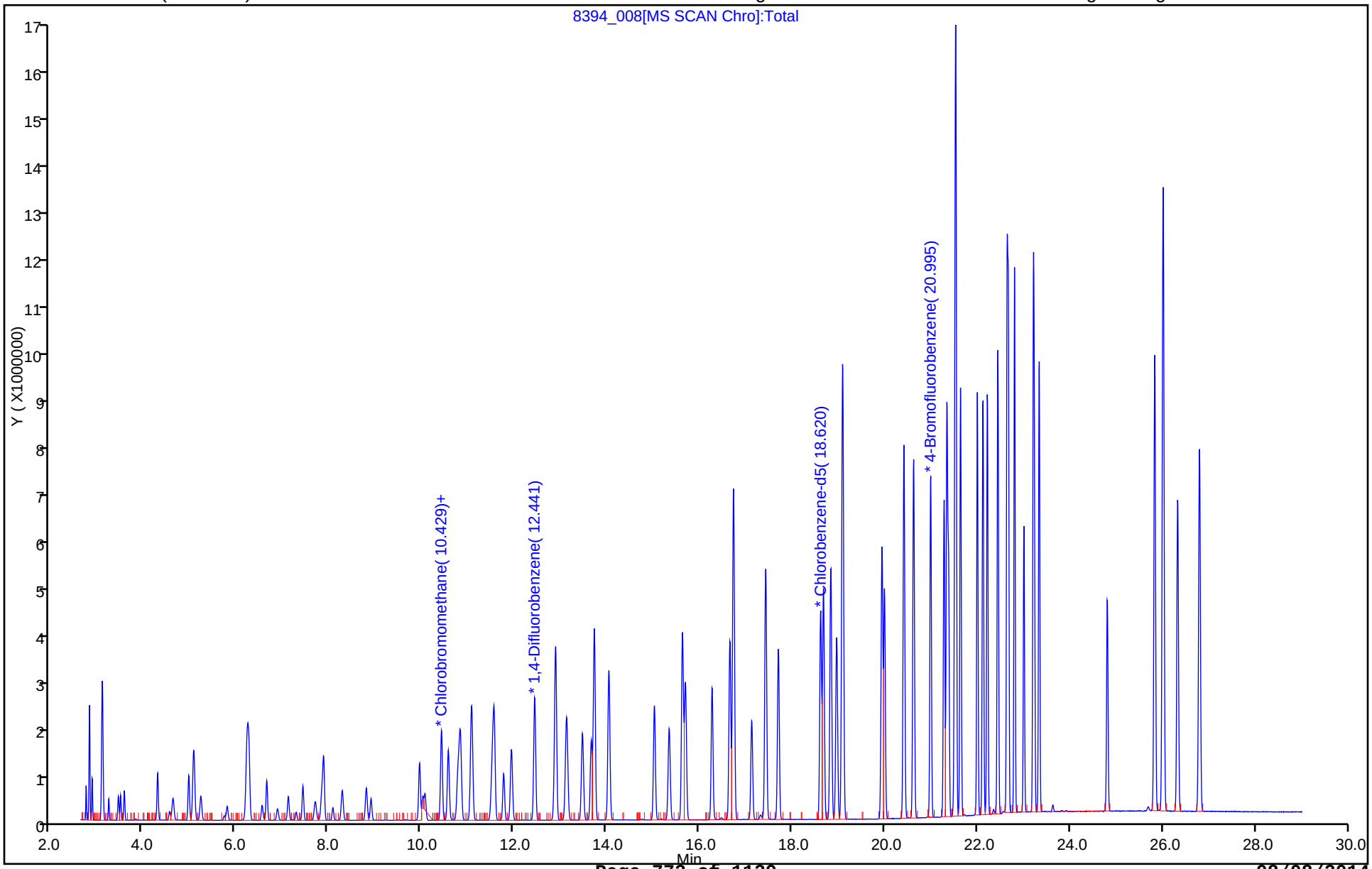
Report Date: 03-Jul-2014 12:48:19 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140702-8394.b\8394_008.D

Injection Date:	02-Jul-2014 21:08:30	Instrument ID:	CHG.i	Operator ID:	PAD
Lims ID:	IC			Worklist Smp#:	8
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	7
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



TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140702-8394.b\8394_009.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 02-Jul-2014 21:59:30 ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0008394-009
Misc. Info.: ic-07
Operator ID: PAD Instrument ID: CHG.i
Sublist: chrom-TO15_LLNJ_TO3_G*sub3

Method: \\BTV-LIMS1\ChromData\CHG.i\20140702-8394.b\TO15_LLNJ_TO3_G.m
Limit Group: AI_TO15_ICAL
Last Update: 03-Jul-2014 12:48:20 Calib Date: 02-Jul-2014 22:50:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHG.i\20140702-8394.b\8394_010.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK017

First Level Reviewer: daiglep Date: 03-Jul-2014 11:52:07

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	2.757	2.758	-0.001	96	334533	20.0	18.9	
2 Dichlorodifluoromethane	85	2.832	2.827	0.005	98	2746723	20.0	19.4	
6 Chlorodifluoromethane	51	2.886	2.886	0.000	96	1055477	20.0	19.4	
7 1,2-Dichloro-1,1,2,2-tetra	85	3.105	3.105	0.000	95	2301387	20.0	18.7	
8 Chloromethane	50	3.250	3.244	0.006	98	522865	20.0	19.3	
9 Butane	43	3.453	3.453	0.000	96	650927	20.0	19.1	
10 Vinyl chloride	62	3.501	3.501	0.000	97	698882	20.0	18.2	
11 Butadiene	54	3.581	3.581	0.000	90	423907	20.0	18.8	
12 Bromomethane	94	4.304	4.298	0.006	98	1013830	20.0	19.2	
14 Chloroethane	64	4.560	4.560	0.000	100	260103	20.0	19.5	
15 2-Methylbutane	43	4.635	4.635	0.000	86	391064	20.0	18.7	
16 Vinyl bromide	106	4.978	4.972	0.006	98	1204122	20.0	19.5	
17 Trichlorofluoromethane	101	5.085	5.079	0.006	98	3019351	20.0	19.1	
18 Pentane	43	5.234	5.235	0.000	94	662396	20.0	19.0	
19 Ethanol	45	5.743	5.737	0.006	95	361264	40.0	43.1	
21 Ethyl ether	59	5.807	5.802	0.005	91	352366	20.0	19.2	
22 Acrolein	56	6.224	6.224	0.000	96	158749	20.0	20.3	
23 1,1,2-Trichloro-1,2,2-trif	101	6.240	6.235	0.005	94	1978116	20.0	19.1	
24 1,1-Dichloroethene	96	6.278	6.278	0.000	91	856937	20.0	19.0	
25 Acetone	43	6.561	6.556	0.005	87	696447	20.0	18.8	
26 Carbon disulfide	76	6.657	6.658	-0.001	98	2167289	20.0	18.4	
27 Isopropyl alcohol	45	6.893	6.888	0.005	98	593698	20.0	19.2	
29 3-Chloro-1-propene	41	7.128	7.123	0.005	81	541845	20.0	18.8	
30 Acetonitrile	41	7.294	7.294	0.000	98	280622	20.0	19.1	
31 Methylene Chloride	49	7.438	7.439	-0.001	79	623529	20.0	18.9	
32 2-Methyl-2-propanol	59	7.711	7.706	0.005	98	1105577	20.0	19.3	
33 Methyl tert-butyl ether	73	7.856	7.851	0.006	94	2009215	20.0	19.4	
34 trans-1,2-Dichloroethene	61	7.888	7.883	0.005	86	935122	20.0	19.1	
35 Acrylonitrile	53	8.086	8.081	0.005	94	356881	20.0	19.9	
36 Hexane	57	8.289	8.284	0.005	89	711926	20.0	18.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
37 1,1-Dichloroethane	63	8.808	8.808	0.000	99	1342070	20.0	18.6	
38 Vinyl acetate	43	8.915	8.910	0.005	99	1311958	20.0	20.0	
39 cis-1,2-Dichloroethene	96	9.958	9.958	0.000	95	1275346	20.0	19.3	
40 2-Butanone (MEK)	72	10.033	10.028	0.005	97	379857	20.0	18.7	
42 Ethyl acetate	88	10.076	10.076	0.000	97	59932	20.0	19.9	
S 41 1,2-Dichloroethene, Total	61				0		40.0	38.4	
44 Tetrahydrofuran	42	10.424	10.424	0.000	95	576204	20.0	19.4	
* 43 Chlorobromomethane	128	10.434	10.434	0.000	77	755314	10.0	10.0	
45 Chloroform	83	10.579	10.579	0.000	99	2641991	20.0	19.4	
46 Cyclohexane	84	10.787	10.787	0.000	80	1316475	20.0	18.9	
47 1,1,1-Trichloroethane	97	10.841	10.836	0.005	95	3048069	20.0	19.0	
48 Carbon tetrachloride	117	11.082	11.082	0.000	96	4032530	20.0	18.6	
51 Isooctane	57	11.536	11.531	0.005	99	3960383	20.0	18.6	
50 Benzene	78	11.568	11.569	-0.001	93	3505680	20.0	18.1	
52 1,2-Dichloroethane	62	11.772	11.772	0.000	99	1739793	20.0	19.1	
53 n-Heptane	43	11.943	11.938	0.005	83	1286239	20.0	18.3	
* 54 1,4-Difluorobenzene	114	12.446	12.441	0.005	90	4379496	10.0	10.0	
55 n-Butanol	56	12.863	12.863	0.000	85	544324	20.0	20.0	
56 Trichloroethene	95	12.895	12.895	0.000	91	2502989	20.0	17.9	
A 57 GRO	1	13.074	(4.625-21.524)		0	575680656	20.0	0	
58 1,2-Dichloropropane	63	13.473	13.473	0.000	92	1712858	20.0	19.3	
59 Methyl methacrylate	69	13.660	13.660	0.000	76	1568102	20.0	19.8	
60 1,4-Dioxane	88	13.703	13.698	0.005	81	794147	20.0	18.7	
61 Dibromomethane	174	13.735	13.730	0.005	88	3877032	20.0	19.4	
62 Dichlorobromomethane	83	14.045	14.045	0.000	96	4874941	20.0	19.8	
A 63 TVOC as Toluene	1	14.776	(2.748-26.804)		0	1088336592	20.0	0	
64 cis-1,3-Dichloropropene	75	15.030	15.024	0.006	85	3462439	20.0	20.0	
65 4-Methyl-2-pentanone (MIBK	43	15.345	15.345	0.000	91	2774196	20.0	18.4	
A 67 Toluene Range	1	15.634	(15.594-15.674)		0	16839933	NC	NC	
66 Toluene	92	15.634	15.634	0.000	94	4560578	20.0	19.2	
A 68 C8 Range	1	15.715	(15.649-15.749)		0	11712869	NC	NC	
69 n-Octane	43	15.698	15.699	-0.001	83	2617124	20.0	18.8	
70 trans-1,3-Dichloropropene	75	16.271	16.271	0.000	92	3633133	20.0	20.3	
71 1,1,2-Trichloroethane	83	16.656	16.656	0.000	94	2415800	20.0	19.2	
72 Tetrachloroethene	166	16.736	16.736	0.000	93	5881274	20.0	18.5	
73 2-Hexanone	43	17.132	17.127	0.005	90	2742915	20.0	18.1	
74 Chlorodibromomethane	129	17.432	17.432	0.000	97	7347985	20.0	20.5	
75 Ethylene Dibromide	107	17.705	17.705	0.000	99	5520975	20.0	19.8	
* 76 Chlorobenzene-d5	117	18.619	18.614	0.005	79	5178674	10.0	10.0	
77 Chlorobenzene	112	18.678	18.678	0.000	99	7281602	20.0	19.2	
78 Ethylbenzene	91	18.839	18.833	0.006	95	9524030	20.0	19.2	
79 n-Nonane	57	18.962	18.962	0.000	81	3141246	20.0	18.9	
80 m-Xylene & p-Xylene	106	19.095	19.090	0.005	97	8031951	40.0	37.1	
83 o-Xylene	106	19.941	19.941	0.000	97	4410067	20.0	19.4	
84 Styrene	104	20.000	19.994	0.006	98	5911640	20.0	18.5	
S 82 Xylenes, Total	106				0		60.0	56.5	
85 Bromoform	173	20.417	20.417	0.000	98	8543463	20.0	20.6	
86 Isopropylbenzene	105	20.625	20.626	-0.001	93	11655853	20.0	19.3	
* 87 4-Bromofluorobenzene	95	20.989	20.989	0.000	94	3135214	10.0	10.0	
88 1,1,2,2-Tetrachloroethane	83	21.283	21.284	-0.001	96	6053126	20.0	19.4	
90 N-Propylbenzene	91	21.342	21.342	0.000	99	12799413	20.0	19.1	
89 1,2,3-Trichloropropane	75	21.380	21.375	0.005	94	4165677	20.0	19.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
93 n-Decane	57	21.514	21.514	0.000	81	3333113	20.0	17.7	
91 4-Ethyltoluene	105	21.535	21.530	0.005	97	10084016	20.0	18.1	
92 2-Chlorotoluene	91	21.540	21.535	0.005	95	7722128	20.0	17.6	
94 1,3,5-Trimethylbenzene	105	21.637	21.637	0.000	96	9084821	20.0	18.4	
95 Alpha Methyl Styrene	118	22.000	22.000	0.000	94	5355795	20.0	19.2	
96 tert-Butylbenzene	119	22.123	22.124	-0.001	95	8831941	20.0	17.9	
97 1,2,4-Trimethylbenzene	105	22.220	22.214	0.006	94	8678723	20.0	17.9	
98 sec-Butylbenzene	105	22.444	22.444	0.000	99	12272403	20.0	17.7	
99 4-Isopropyltoluene	119	22.642	22.642	0.000	97	11044565	20.0	17.8	
100 1,3-Dichlorobenzene	146	22.669	22.669	0.000	98	7759937	20.0	17.8	
101 1,4-Dichlorobenzene	146	22.803	22.803	0.000	96	8636137	20.0	18.8	
102 Benzyl chloride	91	23.006	23.006	0.000	99	8197057	20.0	20.2	
103 n-Butylbenzene	91	23.209	23.210	-0.001	97	8448748	20.0	17.3	
104 Undecane	57	23.231	23.231	0.000	88	3331874	20.0	17.2	
105 1,2-Dichlorobenzene	146	23.338	23.333	0.005	99	7713267	20.0	18.0	
106 Dodecane	57	24.804	24.804	0.000	90	3064336	20.0	22.2	
107 1,2,4-Trichlorobenzene	180	25.831	25.831	0.000	93	8272628	20.0	22.0	
108 Hexachlorobutadiene	225	26.013	26.013	0.000	96	6989540	20.0	20.8	
109 Naphthalene	128	26.323	26.323	0.000	99	14578294	20.0	22.9	
110 1,2,3-Trichlorobenzene	180	26.799	26.794	0.005	95	7466788	20.0	27.9	

QC Flag Legend

Processing Flags
NC - Not Calibrated

Reagents:

ATTO15CAL6w_00092	Amount Added: 200.00	Units: mL	
ATTO15GIS_00009	Amount Added: 20.00	Units: mL	Run Reagent

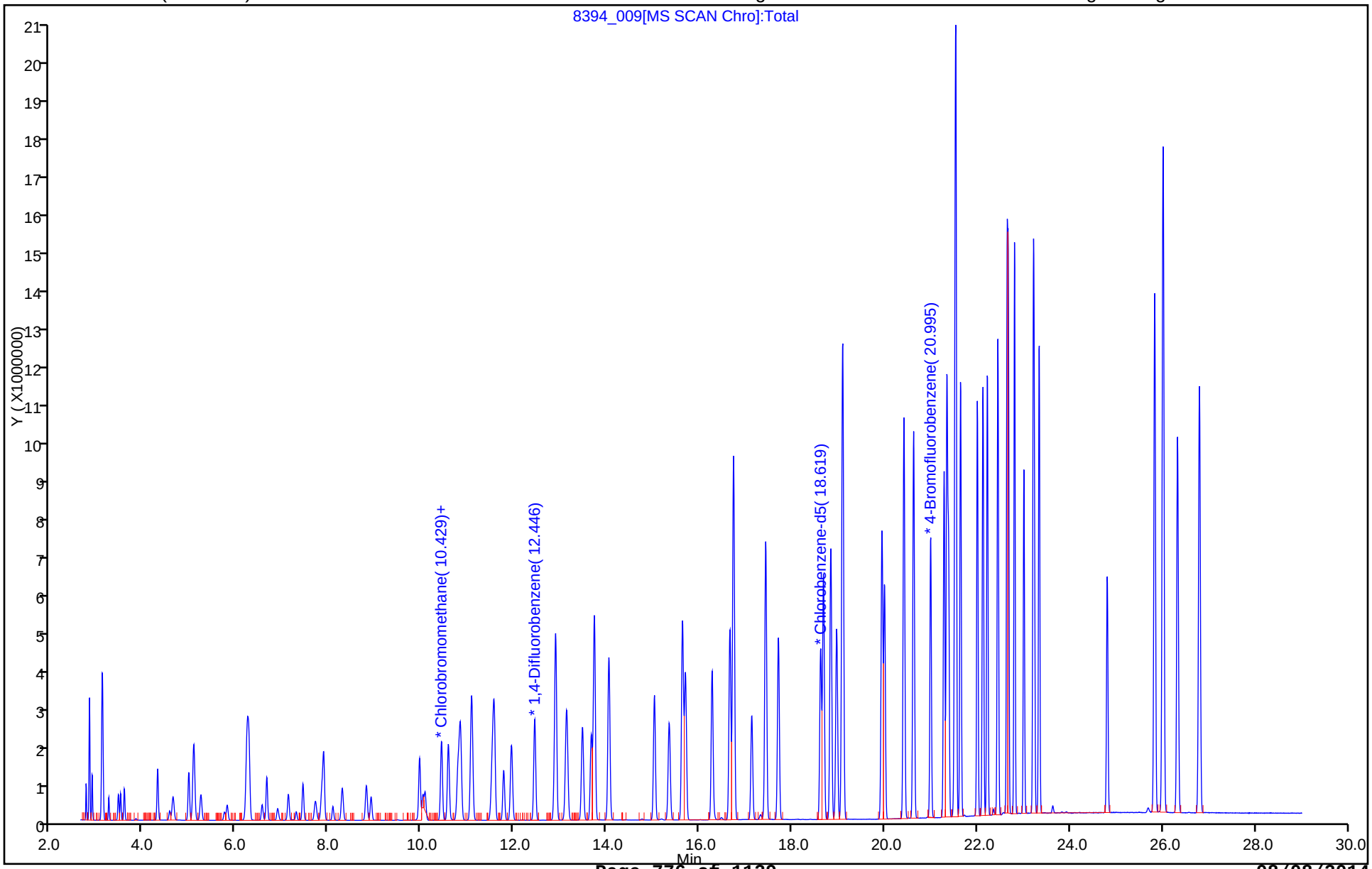
Report Date: 03-Jul-2014 12:48:20 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140702-8394.b\8394_009.D

Injection Date:	02-Jul-2014 21:59:30	Instrument ID:	CHG.i	Operator ID:	PAD
Lims ID:	IC			Worklist Smp#:	9
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	8
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



TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140702-8394.b\8394_010.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 02-Jul-2014 22:50:30 ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0008394-010
Misc. Info.: ic-08
Operator ID: PAD Instrument ID: CHG.i
Sublist: chrom-TO15_LLNJ_TO3_G*sub3

Method: \\BTV-LIMS1\ChromData\CHG.i\20140702-8394.b\TO15_LLNJ_TO3_G.m
Limit Group: AI_TO15_ICAL
Last Update: 03-Jul-2014 12:48:22 Calib Date: 02-Jul-2014 22:50:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHG.i\20140702-8394.b\8394_010.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK017

First Level Reviewer: daiglep Date: 03-Jul-2014 11:56:14

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	2.758	2.758	0.000	97	629961	40.0	35.5	
2 Dichlorodifluoromethane	85	2.832	2.827	0.005	98	4986750	40.0	35.1	
6 Chlorodifluoromethane	51	2.886	2.886	0.000	96	1948312	40.0	35.7	
7 1,2-Dichloro-1,1,2,2-tetra	85	3.105	3.105	0.000	96	4178200	40.0	33.7	
8 Chloromethane	50	3.250	3.244	0.006	98	990675	40.0	36.4	
9 Butane	43	3.453	3.453	0.000	96	1211908	40.0	35.5	
10 Vinyl chloride	62	3.501	3.501	0.000	97	1315601	40.0	34.1	
11 Butadiene	54	3.587	3.581	0.006	89	793670	40.0	35.1	
12 Bromomethane	94	4.304	4.298	0.006	98	1887948	40.0	35.6	
14 Chloroethane	64	4.566	4.560	0.006	99	494901	40.0	37.0	
15 2-Methylbutane	43	4.635	4.635	0.000	86	739511	40.0	35.2	
16 Vinyl bromide	106	4.978	4.972	0.006	98	2269898	40.0	36.6	
17 Trichlorofluoromethane	101	5.085	5.079	0.006	98	5637436	40.0	35.5	
18 Pentane	43	5.240	5.235	0.006	93	1253971	40.0	35.7	
19 Ethanol	45	5.753	5.737	0.016	95	785938	100.0	93.3	M
21 Ethyl ether	59	5.807	5.802	0.005	86	668853	40.0	36.3	M
22 Acrolein	56	6.224	6.224	0.000	95	273249	40.0	34.8	
23 1,1,2-Trichloro-1,2,2-trif	101	6.240	6.235	0.005	93	3629111	40.0	34.9	
24 1,1-Dichloroethene	96	6.283	6.278	0.005	94	1581871	40.0	34.8	
25 Acetone	43	6.561	6.556	0.005	87	1396466	40.0	37.5	
26 Carbon disulfide	76	6.663	6.658	0.005	98	4095371	40.0	34.7	
27 Isopropyl alcohol	45	6.904	6.888	0.016	98	1213520	40.0	39.1	
29 3-Chloro-1-propene	41	7.128	7.123	0.005	81	1013681	40.0	35.0	
30 Acetonitrile	41	7.299	7.294	0.005	98	563737	40.0	38.3	
31 Methylene Chloride	49	7.439	7.439	0.000	79	1174184	40.0	35.5	
32 2-Methyl-2-propanol	59	7.717	7.706	0.011	98	2275587	40.0	39.6	
33 Methyl tert-butyl ether	73	7.856	7.851	0.006	94	3781742	40.0	36.4	
34 trans-1,2-Dichloroethene	61	7.893	7.883	0.010	85	1736064	40.0	35.3	
35 Acrylonitrile	53	8.091	8.081	0.010	93	687328	40.0	38.1	
36 Hexane	57	8.289	8.284	0.005	89	1355462	40.0	35.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
37 1,1-Dichloroethane	63	8.813	8.808	0.005	99	2548548	40.0	35.2	
38 Vinyl acetate	43	8.915	8.910	0.005	99	2466517	40.0	37.4	
39 cis-1,2-Dichloroethene	96	9.958	9.958	0.000	89	2394412	40.0	36.1	
40 2-Butanone (MEK)	72	10.033	10.028	0.005	97	735076	40.0	36.1	
42 Ethyl acetate	88	10.087	10.076	0.011	98	113515	40.0	37.5	
S 41 1,2-Dichloroethene, Total	61				0		80.0	71.4	
44 Tetrahydrofuran	42	10.424	10.424	0.000	81	1106888	40.0	36.7	
* 43 Chlorobromomethane	128	10.434	10.434	0.000	70	758522	10.0	10.0	
45 Chloroform	83	10.584	10.579	0.005	98	4915950	40.0	35.9	
46 Cyclohexane	84	10.787	10.787	0.000	79	2462409	40.0	34.7	
47 1,1,1-Trichloroethane	97	10.841	10.836	0.005	95	5702131	40.0	34.9	
48 Carbon tetrachloride	117	11.082	11.082	0.000	95	7570939	40.0	34.4	
51 Isooctane	57	11.536	11.531	0.005	99	7195316	40.0	33.3	
50 Benzene	78	11.574	11.569	0.005	92	6395577	40.0	32.5	
52 1,2-Dichloroethane	62	11.777	11.772	0.005	99	3314147	40.0	35.8	
53 n-Heptane	43	11.943	11.938	0.005	82	2340510	40.0	32.7	
* 54 1,4-Difluorobenzene	114	12.446	12.441	0.005	90	4448895	10.0	10.0	
55 n-Butanol	56	12.868	12.863	0.005	84	990577	40.0	35.8	
56 Trichloroethene	95	12.901	12.895	0.006	91	4552400	40.0	32.0	
A 57 GRO	1	13.074	(4.625-21.524)		0	1054197934	40.0	0	
58 1,2-Dichloropropane	63	13.478	13.473	0.005	91	3164014	40.0	35.1	
59 Methyl methacrylate	69	13.666	13.660	0.006	82	2895793	40.0	36.0	
60 1,4-Dioxane	88	13.703	13.698	0.005	85	1513809	40.0	35.1	
61 Dibromomethane	174	13.735	13.730	0.005	87	7212136	40.0	35.5	
62 Dichlorobromomethane	83	14.051	14.045	0.006	96	9094120	40.0	36.4	
A 63 TVOC as Toluene	1	14.776	(2.748-26.804)		0	1932826589	40.0	0	
64 cis-1,3-Dichloropropene	75	15.030	15.024	0.006	85	6472768	40.0	36.8	
65 4-Methyl-2-pentanone (MIBK	43	15.351	15.345	0.006	90	5091128	40.0	33.2	
A 67 Toluene Range	1	15.634	(15.594-15.674)		0	29136882	NC	NC	
66 Toluene	92	15.640	15.634	0.006	95	8223022	40.0	34.1	
A 68 C8 Range	1	15.715	(15.649-15.749)		0	21473689	NC	NC	
69 n-Octane	43	15.698	15.699	-0.001	81	4508533	40.0	31.9	
70 trans-1,3-Dichloropropene	75	16.276	16.271	0.005	91	6807440	40.0	37.4	
71 1,1,2-Trichloroethane	83	16.661	16.656	0.005	93	4606487	40.0	36.0	
72 Tetrachloroethene	166	16.742	16.736	0.006	93	11164328	40.0	34.5	
73 2-Hexanone	43	17.132	17.127	0.005	90	4954036	40.0	32.1	
74 Chlorodibromomethane	129	17.437	17.432	0.005	97	13941233	40.0	38.2	
75 Ethylene Dibromide	107	17.710	17.705	0.005	100	10316660	40.0	36.3	
* 76 Chlorobenzene-d5	117	18.619	18.614	0.005	79	5270207	10.0	10.0	
77 Chlorobenzene	112	18.684	18.678	0.006	98	13575617	40.0	35.2	
78 Ethylbenzene	91	18.839	18.833	0.006	95	16798557	40.0	33.3	
79 n-Nonane	57	18.967	18.962	0.005	80	5421533	40.0	32.1	
80 m-Xylene & p-Xylene	106	19.096	19.090	0.006	95	14527284	80.0	66.0	
83 o-Xylene	106	19.946	19.941	0.005	97	7856022	40.0	33.9	
84 Styrene	104	20.000	19.994	0.006	98	10747251	40.0	33.1	
S 82 Xylenes, Total	106				0		120.0	99.9	
85 Bromoform	173	20.422	20.417	0.005	98	15242409	40.0	36.1	
86 Isopropylbenzene	105	20.631	20.626	0.005	93	20767873	40.0	33.9	
* 87 4-Bromofluorobenzene	95	20.995	20.989	0.006	94	3202061	10.0	10.0	
88 1,1,2,2-Tetrachloroethane	83	21.284	21.284	0.000	95	10610504	40.0	33.4	
90 N-Propylbenzene	91	21.342	21.342	0.000	97	21665918	40.0	31.7	
89 1,2,3-Trichloropropane	75	21.380	21.375	0.005	93	7417500	40.0	33.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
93 n-Decane	57	21.514	21.514	0.000	80	4985061	40.0	26.0	
91 4-Ethyltoluene	105	21.540	21.530	0.010	97	15395459	40.0	27.2	
92 2-Chlorotoluene	91	21.546	21.535	0.011	95	12029937	40.0	27.0	
94 1,3,5-Trimethylbenzene	105	21.642	21.637	0.005	97	16258887	40.0	32.4	
95 Alpha Methyl Styrene	118	22.006	22.000	0.006	94	9646840	40.0	33.9	
96 tert-Butylbenzene	119	22.123	22.124	-0.001	95	16293364	40.0	32.5	
97 1,2,4-Trimethylbenzene	105	22.220	22.214	0.006	93	15788691	40.0	32.0	
98 sec-Butylbenzene	105	22.439	22.444	-0.005	98	20625130	40.0	29.3	
99 4-Isopropyltoluene	119	22.642	22.642	0.000	95	18712796	40.0	29.7	
100 1,3-Dichlorobenzene	146	22.674	22.669	0.005	98	13883479	40.0	31.3	
101 1,4-Dichlorobenzene	146	22.808	22.803	0.005	95	14976306	40.0	32.1	
102 Benzyl chloride	91	23.006	23.006	0.000	99	12635790	40.0	30.6	
103 n-Butylbenzene	91	23.209	23.210	-0.001	97	14245155	40.0	28.6	
104 Undecane	57	23.236	23.231	0.005	87	5529599	40.0	28.0	
105 1,2-Dichlorobenzene	146	23.338	23.333	0.005	98	14063424	40.0	32.3	
106 Dodecane	57	24.809	24.804	0.005	89	4782790	40.0	34.1	
107 1,2,4-Trichlorobenzene	180	25.831	25.831	0.000	93	14018212	40.0	36.6	
108 Hexachlorobutadiene	225	26.013	26.013	0.000	96	11992787	40.0	35.1	
109 Naphthalene	128	26.328	26.323	0.005	99	22492855	40.0	34.7	
110 1,2,3-Trichlorobenzene	180	26.799	26.794	0.005	94	12772652	40.0	46.9	

QC Flag Legend

Processing Flags
NC - Not Calibrated

Review Flags
M - Manually Integrated

Reagents:

ATTO15CAL7w_00047	Amount Added: 200.00	Units: mL	
ATTO15GIS_00009	Amount Added: 20.00	Units: mL	Run Reagent

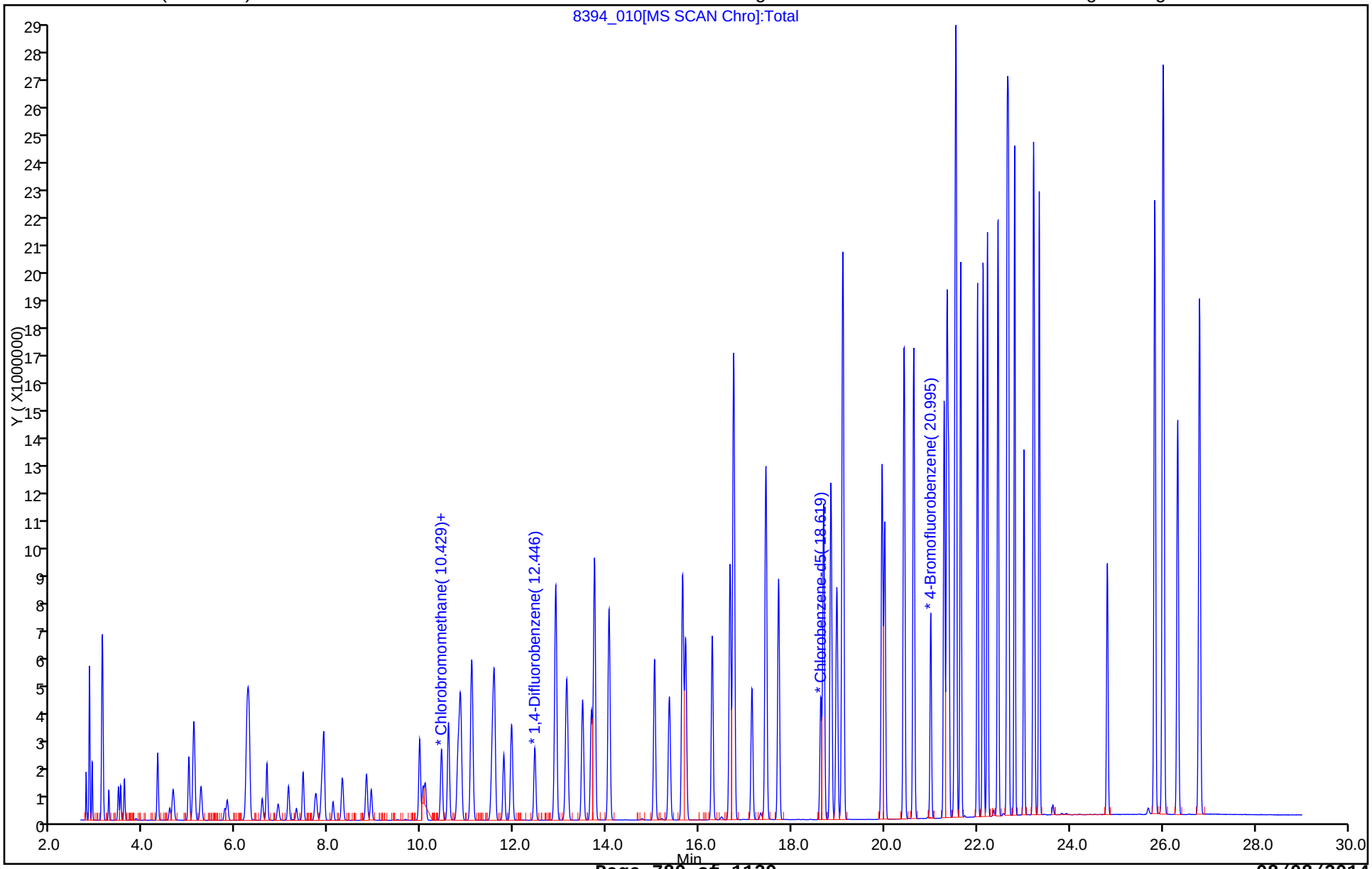
Report Date: 03-Jul-2014 12:48:22 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140702-8394.b\8394_010.D

Injection Date:	02-Jul-2014 22:50:30	Instrument ID:	CHG.i	Operator ID:	PAD
Lims ID:	IC			Worklist Smp#:	10
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	9
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



Manual Integration/User Assign Peak Report

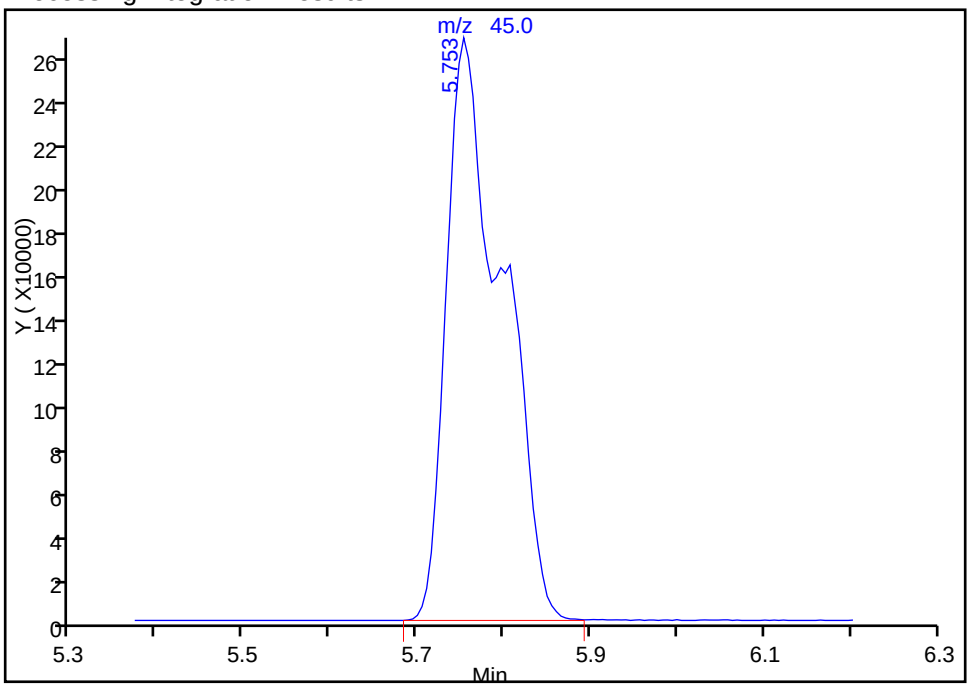
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHG.i\20140702-8394.b\8394_010.D				
Injection Date:	02-Jul-2014 22:50:30	Instrument ID:	CHG.i		
Lims ID:	IC				
Client ID:					
Operator ID:	PAD	ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

19 Ethanol, CAS: 64-17-5

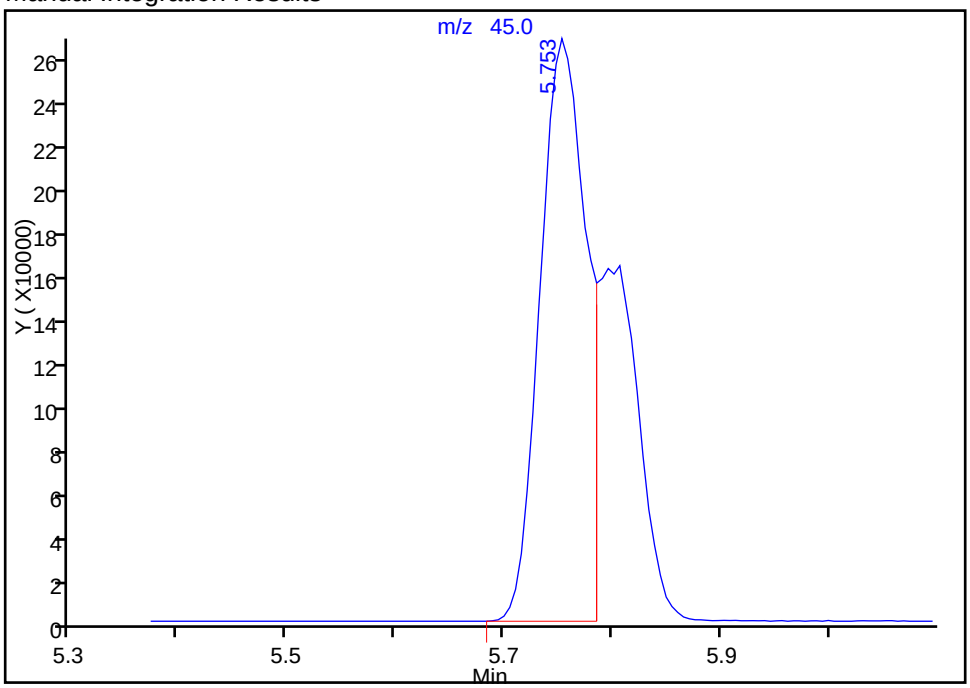
Processing Integration Results

RT: 5.75
Response: 1173533
Amount: 129.3978



Manual Integration Results

RT: 5.75
Response: 785938
Amount: 93.307770



Reviewer: daiglep, 03-Jul-2014 11:56:14
Audit Action: Split an Integrated Peak
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

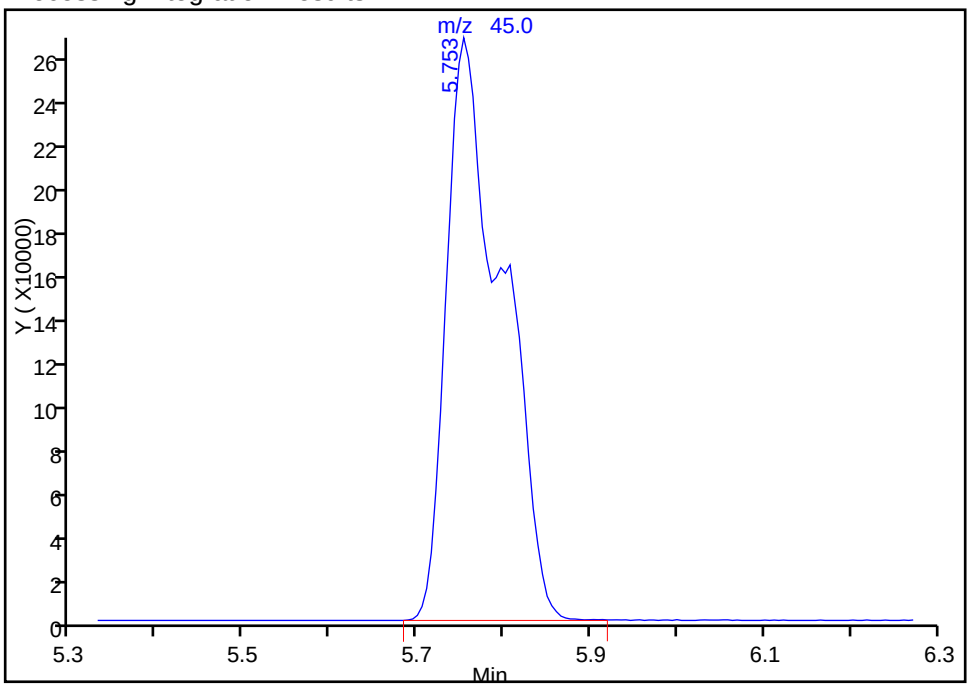
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHG.i\20140702-8394.b\8394_010.D				
Injection Date:	02-Jul-2014 22:50:30	Instrument ID:	CHG.i		
Lims ID:	IC				
Client ID:					
Operator ID:	PAD	ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

21 Ethyl ether, CAS: 60-29-7

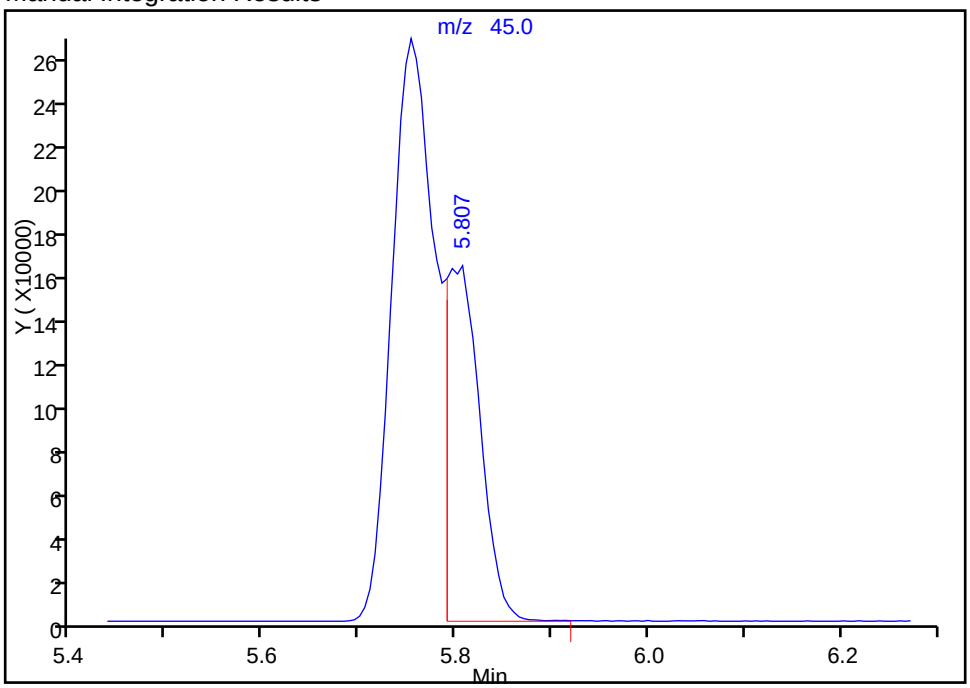
Processing Integration Results

RT: 5.75
Response: 1174064
Amount: 36.335825



Manual Integration Results

RT: 5.81
Response: 388159
Amount: 36.335825



Reviewer: daiglep, 03-Jul-2014 11:56:14
Audit Action: Split an Integrated Peak
Audit Reason: Baseline Event

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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1 Analy Batch No.: 73568

SDG No.:

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

Calibration Start Date: 06/14/2014 09:46 Calibration End Date: 06/15/2014 00:33 Calibration ID: 27113

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-73568/16	8058_016.d
Level 2	IC 200-73568/17	8058_017.d
Level 3	IC 200-73568/5	8058_005.d
Level 4	IC 200-73568/6	8058_006.d
Level 5	ICIS 200-73568/7	8058_007.d
Level 6	IC 200-73568/8	8058_008.d
Level 7	IC 200-73568/9	8058_009.d
Level 8	IC 200-73568/10	8058_010.d

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Propylene	+++++ 0.7161	+++++ 0.6867	0.9338 0.6142	0.7011	0.7558	Ave		0.7346				15.0		30.0			
Dichlorodifluoromethane	+++++ 3.0084	+++++ 2.9315	3.2075 2.6381	2.6485	3.1104	Ave		2.9241				8.1		30.0			
Freon 22	+++++ 1.4888	+++++ 1.4273	1.6583 1.2959	1.3543	1.5468	Ave		1.4619				9.0		30.0			
1,2-Dichlorotetrafluoroethane	+++++ 2.9549	3.2787 2.8863	3.1170 2.5828	2.6071	3.0559	Ave		2.9261				8.8		30.0			
Chloromethane	+++++ 0.8721	+++++ 0.8422	1.0103 0.7794	0.7881	0.8990	Ave		0.8652				9.8		30.0			
n-Butane	+++++ 1.4588	+++++ 1.4116	1.5577 1.2440	1.3849	1.5452	Ave		1.4337				8.1		30.0			
Vinyl chloride	1.0758 1.1074	1.1519 1.0829	1.1019 0.9882	0.9474	1.1412	Ave		1.0746				6.7		30.0			
1,3-Butadiene	+++++ 0.7948	0.7971 0.7801	0.7719 0.6968	0.6785	0.8278	Ave		0.7639				7.2		30.0			
Bromomethane	+++++ 1.0692	1.2500 1.0579	1.1548 0.9581	0.9514	1.1165	Ave		1.0797				9.8		30.0			
Chloroethane	+++++ 0.6306	+++++ 0.6045	0.6484 0.5770	0.5418	0.6388	Ave		0.6068				6.8		30.0			
Isopentane	+++++ 1.1041	1.4839 1.0428	1.2054 0.9562	1.0130	1.1496	Ave		1.1364				15.0		30.0			
Bromoethene(Vinyl Bromide)	+++++ 1.3616	1.4613 1.3631	1.3090 1.2762	1.1246	1.3622	Ave		1.3226				7.9		30.0			
Trichlorofluoromethane	+++++ 3.2730	3.6236 3.2320	3.3303 2.9582	2.8432	3.3247	Ave		3.2264				8.0		30.0			
n-Pentane	+++++ 1.6674	+++++ 1.5921	1.7843 1.4309	1.5794	1.7421	Ave		1.6327				7.8		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1 Analy Batch No.: 73568

SDG No.:

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

Calibration Start Date: 06/14/2014 09:46 Calibration End Date: 06/15/2014 00:33 Calibration ID: 27113

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Ethanol	+++++ 0.4072	+++++ 0.3815	0.4699 0.3230	0.4594	0.4536	Ave		0.4158				14.0		30.0			
Ethyl ether	+++++ 0.7535	0.7795 0.7341	0.7513 0.6800	0.6480	0.7697	Ave		0.7309				6.7		30.0			
Acrolein	+++++ 0.3223	+++++ 0.3370	+++++ 0.2854	0.2882	0.3216	Ave		0.3109				7.4		30.0			
Freon TF	+++++ 2.5254	2.8189 2.4974	2.4970 2.2858	2.1410	2.5455	Ave		2.4730				8.6		30.0			
1,1-Dichloroethene	+++++ 1.2418	1.3411 1.2394	1.2189 1.1621	1.0369	1.2485	Ave		1.2126				7.7		30.0			
Acetone	+++++ 1.5171	+++++ 1.4624	+++++ 1.1726	1.7194	1.7603	Ave		1.5263				15.0		30.0			
Carbon disulfide	+++++ 2.9759	+++++ 2.9215	3.9314 2.6770	2.5509	3.0745	Ave		3.0219				16.0		30.0			
Isopropyl alcohol	+++++ 1.3176	+++++ 1.2519	+++++ 1.0955	1.2309	1.5403	Ave		1.2873				13.0		30.0			
3-Chloropropene	+++++ 1.2026	1.1951 1.1564	1.2704 1.0474	1.0641	1.2102	Ave		1.1637				7.0		30.0			
Acetonitrile	+++++ 0.6831	+++++ 0.6430	+++++ 0.5795	0.6142	0.7346	Ave		0.6509				9.3		30.0			
Methylene Chloride	+++++ 1.0400	+++++ 1.0125	1.2589 0.9132	0.9787	1.0796	Ave		1.0471				11.0		30.0			
tert-Butyl alcohol	+++++ 1.9259	+++++ 1.8883	+++++ 1.6895	1.6225	2.1701	Ave		1.8593				12.0		30.0			
Methyl tert-butyl ether	+++++ 3.3653	3.4592 3.3181	3.2506 3.0523	2.8282	3.4122	Ave		3.2408				6.9		30.0			
trans-1,2-Dichloroethene	+++++ 1.4923	1.5928 1.4539	1.4855 1.3318	1.3037	1.5267	Ave		1.4552				7.1		30.0			
Acrylonitrile	+++++ 0.7363	+++++ 0.7227	0.7289 0.6687	0.6303	0.7621	Ave		0.7082				6.9		30.0			
n-Hexane	+++++ 1.6698	2.6653 1.6254	1.6990 1.4699	1.4978	1.7144	Ave		1.7631				23.0		30.0			
1,1-Dichloroethane	1.9116 1.9762	2.0887 1.9325	1.9840 1.7506	1.7153	2.0326	Ave		1.9239				6.8		30.0			
Vinyl acetate	+++++ 2.4974	+++++ 2.3841	+++++ 2.1287	2.1905	2.5835	Ave		2.3568				8.3		30.0			
cis-1,2-Dichloroethene	+++++ 1.3976	1.5045 1.3873	1.3897 1.2706	1.1755	1.4184	Ave		1.3634				7.9		30.0			
Methyl Ethyl Ketone	+++++ 0.6294	+++++ 0.6147	0.8806 0.5379	0.5563	0.6463	Ave		0.6442				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.: 280-58004-1 Analy Batch No.: 73568

SDG No.:

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

Calibration Start Date: 06/14/2014 09:46 Calibration End Date: 06/15/2014 00:33 Calibration ID: 27113

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Ethyl acetate	+++++ 0.1134	+++++ 0.1144	+++++ 0.1060	0.0917	0.1157	Ave		0.1082				9.2		30.0			
Tetrahydrofuran	+++++ 0.2230	+++++ 0.2123	+++++ 0.1967	0.1948	0.2335	Ave		0.2121				7.9		30.0			
Chloroform	+++++ 2.4375	2.5945 2.3964	2.4764 2.1993	2.0797	2.4811	Ave		2.3807				7.5		30.0			
Cyclohexane	+++++ 0.3865	0.4115 0.3777	0.3707 0.3454	0.3162	0.3868	Ave		0.3707				8.4		30.0			
1,1,1-Trichloroethane	+++++ 0.5496	0.5731 0.5425	0.5285 0.5054	0.4495	0.5500	Ave		0.5284				7.7		30.0			
Carbon tetrachloride	0.5798 0.6169	0.6021 0.5988	0.5490 0.5890	0.4870	0.6103	Ave		0.5791				7.4		30.0			
2,2,4-Trimethylpentane	+++++ 1.1448	1.2383 1.0972	1.1545 0.9700	0.9876	1.1779	Ave		1.1101				8.9		30.0			
Benzene	+++++ 0.8024	0.9150 0.7822	0.7958 0.7148	0.6739	0.8083	Ave		0.7846				9.8		30.0			
1,2-Dichloroethane	+++++ 0.2989	0.3126 0.2893	0.2953 0.2724	0.2540	0.3050	Ave		0.2897				7.0		30.0			
n-Heptane	+++++ 0.3806	0.6051 0.3589	0.4043 0.3163	0.3458	0.3961	Ave		0.4010				24.0		30.0			
n-Butanol	+++++ 0.1346	+++++ 0.1247	+++++ 0.1206	0.1063	0.1421	Ave		0.1256				11.0		30.0			
Trichloroethene	0.4137 0.3749	0.3902 0.3689	0.3678 0.3458	0.3047	0.3740	Ave		0.3675				8.7		30.0			
1,2-Dichloropropane	+++++ 0.2795	0.2898 0.2717	0.2733 0.2548	0.2340	0.2820	Ave		0.2693				7.0		30.0			
Methyl methacrylate	+++++ 0.2865	+++++ 0.2794	0.2470 0.2649	0.2295	0.2857	Ave		0.2655				8.7		30.0			
1,4-Dioxane	+++++ 0.1403	+++++ 0.1346	+++++ 0.1219	0.1181	0.1624	Ave		0.1355				13.0		30.0			
Dibromomethane	+++++ 0.4609	0.4704 0.4678	0.3995 0.4530	0.3503	0.4487	Ave		0.4358				10.0		30.0			
Bromodichloromethane	+++++ 0.5609	0.5254 0.5498	0.4956 0.5147	0.4537	0.5622	Ave		0.5232				7.5		30.0			
cis-1,3-Dichloropropene	+++++ 0.4393	0.3888 0.4333	0.3710 0.4102	0.3446	0.4368	Ave		0.4034				9.1		30.0			
methyl isobutyl ketone	+++++ 0.4854	+++++ 0.4591	0.4731 0.4112	0.4243	0.5134	Ave		0.4611				8.3		30.0			
n-Octane	+++++ 0.4954	0.7386 0.4500	0.5615 0.3536	0.4773	0.5338	Ave		0.5158				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.: 280-58004-1 Analy Batch No.: 73568

SDG No.:

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

Calibration Start Date: 06/14/2014 09:46 Calibration End Date: 06/15/2014 00:33 Calibration ID: 27113

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Toluene	+++++ 0.6872	0.8821 0.6641	0.8969 0.5693	0.5791	0.6959	Ave		0.7106				19.0		30.0			
trans-1,3-Dichloropropene	+++++ 0.4427	0.3670 0.4386	0.3570 0.4150	0.3458	0.4416	Ave		0.4011				11.0		30.0			
1,1,2-Trichloroethane	+++++ 0.3181	0.3313 0.3129	0.3092 0.2942	0.2603	0.3186	Ave		0.3064				7.6		30.0			
Tetrachloroethene	0.7757 0.7688	0.8034 0.7741	0.6946 0.7254	0.5951	0.7510	Ave		0.7360				9.0		30.0			
Methyl Butyl Ketone (2-Hexanone)	+++++ 0.5048	+++++ 0.4811	0.5012 0.4317	0.4407	0.5326	Ave		0.4820				8.1		30.0			
Dibromochloromethane	+++++ 0.7857	0.6642 0.7898	0.6074 0.7415	0.5913	0.7673	Ave		0.7067				12.0		30.0			
1,2-Dibromoethane	+++++ 0.6404	0.6092 0.6348	0.5702 0.5930	0.5085	0.6352	Ave		0.5988				7.9		30.0			
Chlorobenzene	+++++ 1.0186	1.0903 1.0063	0.9993 0.9121	0.8314	1.0171	Ave		0.9822				8.6		30.0			
Ethylbenzene	+++++ 1.4750	1.5757 1.4210	1.4583 1.2258	1.2404	1.4950	Ave		1.4130				9.3		30.0			
n-Nonane	+++++ 0.5984	0.8019 0.5666	0.6037 0.4747	0.5397	0.6204	Ave		0.6008				17.0		30.0			
m,p-Xylene	+++++ 0.6418	0.6699 0.6103	0.6108 0.4934	0.5457	0.6556	Ave		0.6039				11.0		30.0			
Xylene, o-	+++++ 0.6567	0.6498 0.6427	0.6040 0.5656	0.5381	0.6604	Ave		0.6168				7.9		30.0			
Styrene	+++++ 1.0061	0.8035 0.9399	0.8466 0.8483	0.8035	1.0157	Ave		0.8948				10.0		30.0			
Bromoform	+++++ 0.8922	0.6343 0.8931	0.5942 0.8150	0.6259	0.8554	Ave		0.7586				18.0		30.0			
Cumene	+++++ 1.7851	1.8964 1.6964	1.6995 1.3806	1.5161	1.8202	Ave		1.6849				11.0		30.0			
1,1,2,2-Tetrachloroethane	+++++ 0.8198	0.7999 0.7900	0.7951 0.6886	0.6969	0.8378	Ave		0.7754				7.6		30.0			
n-Propylbenzene	+++++ 1.9868	2.1239 1.8504	1.9791 1.4220	1.7411	2.0659	Ave		1.8813				13.0		30.0			
1,2,3-Trichloropropane	+++++ 0.6303	+++++ 0.6044	0.6457 0.5138	0.5428	0.6512	Ave		0.5980				9.6		30.0			
n-Decane	+++++ 0.7802	+++++ 0.7205	0.7911 0.5728	0.7134	0.8210	Ave		0.7332				12.0		30.0			
4-Ethyltoluene	+++++ 1.7906	1.8429 1.6884	1.7138 1.3265	1.5325	1.8452	Ave		1.6771				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.: 280-58004-1 Analy Batch No.: 73568

SDG No.:

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

Calibration Start Date: 06/14/2014 09:46 Calibration End Date: 06/15/2014 00:33 Calibration ID: 27113

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
2-Chlorotoluene	+++++ 1.4364	1.4882 1.3785	1.4333 1.1607	1.2263	1.4765	Ave		1.3714				9.3		30.0			
1,3,5-Trimethylbenzene	+++++ 1.5305	1.5387 1.4525	1.4627 1.1959	1.2838	1.5604	Ave		1.4321				9.7		30.0			
Alpha Methyl Styrene	+++++ 0.8677	0.5930 0.6429	0.6652 0.7617	0.6737	0.8671	Ave		0.7245				15.0		30.0			
tert-Butylbenzene	+++++ 1.5620	1.6396 1.4995	1.4698 1.2458	1.3126	1.5867	Ave		1.4737				9.9		30.0			
1,2,4-Trimethylbenzene	+++++ 1.5391	1.5285 1.4714	1.4588 1.2181	1.2908	1.5712	Ave		1.4397				9.3		30.0			
sec-Butylbenzene	+++++ 2.1742	2.3225 2.0315	2.1357 1.5870	1.8820	2.2499	Ave		2.0547				12.0		30.0			
4-Isopropyltoluene	+++++ 1.9681	1.9802 1.8458	1.8355 1.4650	1.6629	2.0167	Ave		1.8249				11.0		30.0			
1,3-Dichlorobenzene	+++++ 1.2257	1.0505 1.2077	1.0616 1.0492	0.9762	1.2346	Ave		1.1151				9.4		30.0			
1,4-Dichlorobenzene	+++++ 1.2124	0.9927 1.1987	0.9952 1.0516	0.9526	1.2254	Ave		1.0898				11.0		30.0			
Benzyl chloride	+++++ 1.1314	0.6066 1.1373	0.6306 1.0352	0.8219	1.0148	Ave		0.9111				25.0		30.0			
n-Undecane	+++++ 0.8161	+++++ 0.7086	+++++ 0.5342	0.7799	0.8993	Ave		0.7476				18.0		30.0			
n-Butylbenzene	+++++ 1.5698	1.5763 1.4472	1.5592 1.1047	1.3863	1.6533	Ave		1.4710				13.0		30.0			
1,2-Dichlorobenzene	+++++ 1.1715	1.0757 1.1570	1.0666 1.0309	0.9387	1.1723	Ave		1.0875				8.0		30.0			
n-Dodecane	+++++ 0.7676	+++++ 0.6403	+++++ 0.3633	0.7102	0.8832	Ave		0.6729				29.0		30.0			
1,2,4-Trichlorobenzene	+++++ 0.9576	+++++ 0.9572	0.7604 0.9265	0.6970	0.9887	Ave		0.8812				14.0		30.0			
Hexachlorobutadiene	+++++ 1.0137	0.9228 0.9710	0.8277 0.9472	0.7628	0.9964	Ave		0.9202				10.0		30.0			
Naphthalene	+++++ 1.7878	+++++ 1.7209	1.5991 1.6266	1.3908	2.0348	Ave		1.6933				13.0		30.0			
1,2,3-Trichlorobenzene	+++++ 0.8778	0.6172 0.8663	0.8222 0.8208	0.6840	0.9379	Ave		0.8037				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 RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 280-58004-1 Analy Batch No.: 73568

SDG No.:

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

Calibration Start Date: 06/14/2014 09:46 Calibration End Date: 06/15/2014 00:33 Calibration ID: 27113

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-73568/16	8058_016.d
Level 2	IC 200-73568/17	8058_017.d
Level 3	IC 200-73568/5	8058_005.d
Level 4	IC 200-73568/6	8058_006.d
Level 5	ICIS 200-73568/7	8058_007.d
Level 6	IC 200-73568/8	8058_008.d
Level 7	IC 200-73568/9	8058_009.d
Level 8	IC 200-73568/10	8058_010.d

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Propylene	BCM	Ave	+++++ 692857	+++++ 951503	28691 1771444	197892	469817	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Dichlorodifluoromethane	BCM	Ave	+++++ 2910832	+++++ 4061763	98548 7608629	747607	1933403	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Freon 22	BCM	Ave	+++++ 1440544	+++++ 1977624	50950 3737410	382300	961488	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,2-Dichlorotetrafluoroethane	BCM	Ave	+++++ 2859089	39355 3999205	95767 7449174	735932	1899518	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chloromethane	BCM	Ave	+++++ 843772	+++++ 1166980	31042 2247763	222466	558815	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Butane	BCM	Ave	+++++ 1411470	+++++ 1955904	47858 3587962	390938	960486	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Vinyl chloride	BCM	Ave	2909 1071516	13826 1500404	33855 2850110	267428	709375	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Butadiene	BCM	Ave	+++++ 769038	9568 1080934	23717 2009737	191528	514526	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromomethane	BCM	Ave	+++++ 1034511	15004 1465810	35479 2763377	268550	694003	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chloroethane	BCM	Ave	+++++ 610178	+++++ 837573	19920 1664221	152928	397081	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Isopentane	BCM	Ave	+++++ 1068305	17811 1444837	37034 2757769	285950	714580	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromoethene(Vinyl Bromide)	BCM	Ave	+++++ 1317386	17540 1888632	40219 3680703	317453	846732	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Trichlorofluoromethane	BCM	Ave	+++++ 3166856	43494 4478206	102321 8531996	802571	2066602	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Pentane	BCM	Ave	+++++ 1613354	+++++ 2205967	54820 4126826	445837	1082869	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Ethanol	BCM	Ave	+++++ 526428	+++++ 1057254	144553 2329022	259516	423144	+++++ 20.0	+++++ 40.0	5.01 100.0	9.99	15.0

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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1 Analy Batch No.: 73568

SDG No.:

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

Calibration Start Date: 06/14/2014 09:46 Calibration End Date: 06/15/2014 00:33 Calibration ID: 27113

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Ethyl ether	BCM	Ave	+++++ 729054	9356 1017137	23082 1961106	182930	478447	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acrolein	BCM	Ave	+++++ 311843	+++++ 466890	+++++ 823251	81340	199914	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Freon TF	BCM	Ave	+++++ 2443487	33835 3460270	76718 6592500	604357	1582240	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1-Dichloroethene	BCM	Ave	+++++ 1201494	16097 1717262	37448 3351521	292687	776062	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acetone	BCM	Ave	+++++ 1467844	+++++ 2026274	+++++ 3381803	485345	1094199	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Carbon disulfide	BCM	Ave	+++++ 2879345	+++++ 4047890	120790 7720723	720064	1911050	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Isopropyl alcohol	BCM	Ave	+++++ 1274876	+++++ 1734629	+++++ 3159644	347447	957457	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
3-Chloropropene	BCM	Ave	+++++ 1163542	14345 1602291	39032 3020811	300368	752218	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acetonitrile	BCM	Ave	+++++ 660902	+++++ 890921	+++++ 1671451	173374	456622	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Methylene Chloride	BCM	Ave	+++++ 1006237	+++++ 1402836	38678 2633913	276254	671046	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
tert-Butyl alcohol	BCM	Ave	+++++ 1863403	+++++ 2616375	+++++ 4872730	458005	1348885	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Methyl tert-butyl ether	BCM	Ave	+++++ 3256093	41521 4597376	99873 8803355	798346	2120966	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
trans-1,2-Dichloroethene	BCM	Ave	+++++ 1443844	19118 2014404	45642 3841124	368004	948948	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acrylonitrile	BCM	Ave	+++++ 712427	+++++ 1001401	22395 1928594	177908	473690	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Hexane	BCM	Ave	+++++ 1615681	31992 2252142	52199 4239416	422795	1065615	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1-Dichloroethane	BCM	Ave	5169 1912064	25071 2677573	60956 5048951	484195	1263420	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Vinyl acetate	BCM	Ave	+++++ 2416387	+++++ 3303385	+++++ 6139398	618341	1605843	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
cis-1,2-Dichloroethene	BCM	Ave	+++++ 1352225	18059 1922125	42698 3664569	331827	881650	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl Ethyl Ketone	BCM	Ave	+++++ 608947	+++++ 851760	27057 1551517	157025	401738	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Ethyl acetate	BCM	Ave	+++++ 109767	+++++ 158528	+++++ 305628	25885	71925	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Tetrahydrofuran	DFB	Ave	+++++ 1039410	+++++ 1422715	+++++ 2674556	272419	705701	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00

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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1 Analy Batch No.: 73568

SDG No.:

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

Calibration Start Date: 06/14/2014 09:46 Calibration End Date: 06/15/2014 00:33 Calibration ID: 27113

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Chloroform	BCM	Ave	+++++ 2358421	31142 3320360	76086 6343073	587069	1542191	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Cyclohexane	DFB	Ave	+++++ 1800908	24186 2530869	56284 4697055	442047	1168879	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,1-Trichloroethane	DFB	Ave	+++++ 2561294	33683 3634554	80247 6873978	628498	1662042	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Carbon tetrachloride	DFB	Ave	7713 2874816	35388 4012020	83365 8010150	680928	1844146	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2,2,4-Trimethylpentane	DFB	Ave	+++++ 5334952	72781 7351362	175299 13192719	1380918	3559291	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Benzene	DFB	Ave	+++++ 3739090	53777 5240982	120833 9720994	942298	2442468	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloroethane	DFB	Ave	+++++ 1393139	18375 1938565	44842 3704274	355115	921601	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Heptane	DFB	Ave	+++++ 1773580	35562 2404421	61388 4302203	483453	1196799	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Butanol	DFB	Ave	+++++ 627214	+++++ 835337	+++++ 1639585	148627	429267	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Trichloroethene	DFB	Ave	5503 1747105	22936 2472001	55843 4703106	426021	1130167	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloropropane	DFB	Ave	+++++ 1302619	17033 1820493	41500 3465686	327230	852063	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl methacrylate	DFB	Ave	+++++ 1335036	+++++ 1872071	37507 3602894	320907	863230	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,4-Dioxane	DFB	Ave	+++++ 653911	+++++ 901913	+++++ 1657574	165196	490757	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Dibromomethane	DFB	Ave	+++++ 2147639	27649 3134433	60656 6160960	489857	1355809	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromodichloromethane	DFB	Ave	+++++ 2613934	30880 3684023	75255 6999443	634319	1699009	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
cis-1,3-Dichloropropene	DFB	Ave	+++++ 2047179	22851 2903522	56329 5578997	481858	1319964	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
methyl isobutyl ketone	DFB	Ave	+++++ 2261803	+++++ 3076004	71834 5592620	593274	1551269	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Octane	DFB	Ave	+++++ 2308838	43409 3015372	85250 4809017	667434	1613015	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Toluene	CBZ	Ave	+++++ 2936589	46690 4054395	122842 7043017	740073	1935272	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
trans-1,3-Dichloropropene	DFB	Ave	+++++ 2063052	21571 2938865	54203 5644203	483487	1334289	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2-Trichloroethane	CBZ	Ave	+++++ 1359121	17536 1909935	42354 3639849	332673	886121	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1 Analy Batch No.: 73568

SDG No.:

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

Calibration Start Date: 06/14/2014 09:46 Calibration End Date: 06/15/2014 00:33 Calibration ID: 27113

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Tetrachloroethene	CBZ	Ave	9162 3285183	42526 4725517	95133 8974952	760503	2088563	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl Butyl Ketone (2-Hexanone)	CBZ	Ave	+++++ 2157179	+++++ 2937185	68643 5340909	563187	1481133	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Dibromochloromethane	CBZ	Ave	+++++ 3357225	35159 4821729	83194 9173337	755633	2133863	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dibromoethane	CBZ	Ave	+++++ 2736481	32249 3875155	78099 7336033	649919	1766627	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chlorobenzene	CBZ	Ave	+++++ 4352768	57712 6143539	136867 11284649	1062572	2828706	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Ethylbenzene	CBZ	Ave	+++++ 6302731	83407 8674873	199740 15165124	1585196	4157719	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Nonane	CBZ	Ave	+++++ 2556824	42449 3458850	82690 5873494	689710	1725249	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
m,p-Xylene	CBZ	Ave	+++++ 5485150	70917 7451684	167318 12208966	1394934	3646323	+++++ 30.0	0.401 40.0	1.00 80.0	9.99	20.0
Xylene, o-	CBZ	Ave	+++++ 2806217	34397 3923558	82736 6997225	687636	1836715	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Styrene	CBZ	Ave	+++++ 4299320	42532 5737755	115962 10494982	1026893	2824642	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromoform	CBZ	Ave	+++++ 3812482	33576 5452167	81382 10083003	799953	2378879	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Cumene	CBZ	Ave	+++++ 7628058	100381 10356587	232776 17080367	1937563	5061976	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2,2-Tetrachloroethane	CBZ	Ave	+++++ 3503138	42339 4823035	108909 8518880	890654	2329893	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Propylbenzene	CBZ	Ave	+++++ 8489813	112425 11296326	271077 17592520	2225165	5745350	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2,3-Trichloropropane	CBZ	Ave	+++++ 2693181	+++++ 3689873	88437 6356239	693732	1811073	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Decane	CBZ	Ave	+++++ 3334014	+++++ 4398332	108353 7086822	911682	2283318	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
4-Ethyltoluene	CBZ	Ave	+++++ 7651300	97551 10307652	234733 16411245	1958494	5131642	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2-Chlorotoluene	CBZ	Ave	+++++ 6137873	78772 8415712	196319 14360093	1567267	4106250	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3,5-Trimethylbenzene	CBZ	Ave	+++++ 6540016	81446 8867452	200347 14795627	1640731	4339590	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Alpha Methyl Styrene	CBZ	Ave	+++++ 3707868	31387 3925078	91112 9423340	860947	2411568	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
tert-Butylbenzene	CBZ	Ave	+++++ 6674529	86788 9154073	201317 15413556	1677467	4412729	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1 Analy Batch No.: 73568

SDG No.:

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

Calibration Start Date: 06/14/2014 09:46 Calibration End Date: 06/15/2014 00:33 Calibration ID: 27113

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,2,4-Trimethylbenzene	CBZ	Ave	+++++ 6576813	80906 8982477	199810 15069740	1649626	4369672	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
sec-Butylbenzene	CBZ	Ave	+++++ 9290663	122936 12402136	292530 19634253	2405166	6257024	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
4-Isopropyltoluene	CBZ	Ave	+++++ 8409771	104819 11268593	251401 18124664	2125241	5608679	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Dichlorobenzene	CBZ	Ave	+++++ 5237605	55608 7372882	145401 12980976	1247575	3433407	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,4-Dichlorobenzene	CBZ	Ave	+++++ 5180659	52544 7317633	136314 13010045	1217482	3407885	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Benzyl chloride	CBZ	Ave	+++++ 4834437	32111 6942988	86377 12807793	1050437	2822199	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Undecane	CBZ	Ave	+++++ 3487267	+++++ 4325990	+++++ 6609261	996662	2500936	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
n-Butylbenzene	CBZ	Ave	+++++ 6707811	83439 8834923	213563 13667013	1771724	4597886	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichlorobenzene	CBZ	Ave	+++++ 5006056	56937 7063418	146086 12754739	1199685	3260124	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Dodecane	CBZ	Ave	+++++ 3279874	+++++ 3909122	+++++ 4494545	907645	2456241	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
1,2,4-Trichlorobenzene	CBZ	Ave	+++++ 4092050	+++++ 5843441	104158 11463036	890796	2749600	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Hexachlorobutadiene	CBZ	Ave	+++++ 4331819	48847 5927691	113372 11719000	974898	2771121	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Naphthalene	CBZ	Ave	+++++ 7639569	+++++ 10505873	219022 20124744	1777404	5658932	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,2,3-Trichlorobenzene	CBZ	Ave	+++++ 3751034	32670 5288687	112610 10155190	874223	2608308	+++++ 15.0	0.200 20.0	0.500 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\20140613-8058.b\8058_005.d
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 14-Jun-2014 09:46:30 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0008058-005
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\20140613-8058.b\TO15_LLNJ_TO3_W_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 17-Jun-2014 09:22:19 Calib Date: 15-Jun-2014 00:33:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20140613-8058.b\8058_017.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK037

First Level Reviewer: daiglep Date: 16-Jun-2014 09:56:43

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	4.408	4.419	-0.011	96	28691	0.5005	0.6362	
2 Dichlorodifluoromethane	85	4.499	4.515	-0.016	88	98548	0.5005	0.5490	
6 Chlorodifluoromethane	51	4.563	4.579	-0.016	74	50950	0.5005	0.5677	
7 1,2-Dichloro-1,1,2,2-tetra	85	4.852	4.863	-0.011	91	95767	0.5005	0.5331	
8 Chloromethane	50	5.045	5.061	-0.016	88	31042	0.5005	0.5844	
9 Butane	43	5.307	5.323	-0.016	97	47858	0.5005	0.5437	
10 Vinyl chloride	62	5.366	5.376	-0.010	93	33855	0.5005	0.5132	
11 Butadiene	54	5.462	5.478	-0.016	92	23717	0.5005	0.5057	
12 Bromomethane	94	6.323	6.339	-0.016	94	35479	0.5005	0.5352	
13 BFB									
14 Chloroethane	64	6.612	6.623	-0.011	94	19920	0.5005	0.5347	
15 2-Methylbutane	43	6.698	6.708	-0.010	88	37034	0.5005	0.5308	
16 Vinyl bromide	106	7.083	7.099	-0.016	96	40219	0.5005	0.4953	
17 Trichlorofluoromethane	101	7.201	7.217	-0.017	85	102321	0.5005	0.5166	
18 Pentane	43	7.361	7.377	-0.016	97	54820	0.5005	0.5469	
19 Ethanol	45	7.810	7.832	-0.022	99	144553	5.01	5.66	
21 Ethyl ether	59	7.949	7.960	-0.011	92	23082	0.5005	0.5144	
22 Acrolein	56	8.415	8.426	-0.011	83	16702	0.5005	0.8751	
23 1,1,2-Trichloro-1,2,2-trif	101	8.447	8.458	-0.011	93	76718	0.5005	0.5053	
24 1,1-Dichloroethene	96	8.522	8.533	-0.011	82	37448	0.5005	0.5030	
25 Acetone	43	8.752	8.763	-0.011	89	176002	0.5005	1.88	
26 Carbon disulfide	76	9.009	9.019	-0.010	98	120790	0.5005	0.6511	
27 Isopropyl alcohol	45	9.035	9.057	-0.022	96	54231	0.5005	0.6862	
29 3-Chloro-1-propene	41	9.399	9.415	-0.016	91	39032	0.5005	0.5463	
30 Acetonitrile	41	9.533	9.549	-0.016	99	24510	0.5005	0.6134	
31 Methylene Chloride	49	9.731	9.747	-0.016	82	38678	0.5005	0.6017	
32 2-Methyl-2-propanol	59	9.902	9.929	-0.027	98	53309	0.5005	0.4670	
33 Methyl tert-butyl ether	73	10.164	10.170	-0.006	96	99873	0.5005	0.5020	
S 41 1,2-Dichloroethene, Total	61				0		1.00	1.02	
34 trans-1,2-Dichloroethene	61	10.228	10.244	-0.016	88	45642	0.5005	0.5109	

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	10.378	10.394	-0.016	98	22395	0.5005	0.5151	
36 Hexane	57	10.646	10.656	-0.010	89	52199	0.5005	0.4823	
37 1,1-Dichloroethane	63	11.191	11.202	-0.011	92	60956	0.5005	0.5161	
38 Vinyl acetate	43	11.229	11.240	-0.011	99	71975	0.5005	0.4974	
39 cis-1,2-Dichloroethene	96	12.374	12.379	-0.005	90	42698	0.5005	0.5101	
40 2-Butanone (MEK)	72	12.379	12.390	-0.011	99	27057	0.5005	0.6841	
42 Ethyl acetate	88	12.390	12.416	-0.026	96	3310	0.5005	0.4981	
44 Tetrahydrofuran	42	12.850	12.855	-0.005	32	36158	0.5005	0.5619	
* 43 Chlorobromomethane	128	12.850	12.860	-0.010	77	613925	10.0	10.0	
45 Chloroform	83	12.957	12.967	-0.010	94	76086	0.5005	0.5206	
46 Cyclohexane	84	13.256	13.267	-0.011	82	56284	0.5005	0.5005	
47 1,1,1-Trichloroethane	97	13.267	13.278	-0.011	90	80247	0.5005	0.5006	
48 Carbon tetrachloride	117	13.524	13.535	-0.011	89	83365	0.5005	0.4745	
51 Isooctane	57	13.914	13.920	-0.006	99	175299	0.5005	0.5205	
50 Benzene	78	13.979	13.984	-0.005	92	120833	0.5005	0.5076	
52 1,2-Dichloroethane	62	14.134	14.144	-0.010	90	44842	0.5005	0.5103	
53 n-Heptane	43	14.267	14.273	-0.006	88	61388	0.5005	0.5046	
* 54 1,4-Difluorobenzene	114	14.733	14.744	-0.011	92	3033970	10.0	10.0	
A 57 GRO	1	14.776	(6.698-22.853)		0	17498174	0.5005	0	
55 n-Butanol	56	15.027	15.027	0.000	83	24864	0.5005	0.6523	
56 Trichloroethene	95	15.198	15.209	-0.011	90	55843	0.5005	0.5008	
58 1,2-Dichloropropane	63	15.723	15.723	0.000	90	41500	0.5005	0.5079	
59 Methyl methacrylate	69	15.797	15.808	-0.011	83	37507	0.5005	0.4656	
60 1,4-Dioxane	88	15.899	15.899	0.000	89	21234	0.5005	0.5166	
61 Dibromomethane	174	15.963	15.969	-0.006	89	60656	0.5005	0.4587	
62 Dichlorobromomethane	83	16.215	16.215	0.000	94	75255	0.5005	0.4741	
A 63 TVOC as Toluene	92	16.637	(4.409-28.866)		0	28866752	0.5005	133.9	
64 cis-1,3-Dichloropropene	75	17.071	17.076	-0.005	84	56329	0.5005	0.4602	
65 4-Methyl-2-pentanone (MIBK	43	17.306	17.311	-0.005	94	71834	0.5005	0.5135	
A 68 C8 Range	1	17.643	(17.593-17.693)		0	818470	NC	NC	
69 n-Octane	43	17.638	17.643	-0.005	72	85250	0.5005	0.5448	
A 67 Toluene Range	92	17.648	(17.608-17.688)		0	818470	0.5005	4.21	
66 Toluene	92	17.643	17.648	-0.005	94	122842	0.5005	0.6316	
70 trans-1,3-Dichloropropene	75	18.178	18.183	-0.005	95	54203	0.5005	0.4454	
71 1,1,2-Trichloroethane	83	18.542	18.553	-0.011	94	42354	0.5005	0.5051	
72 Tetrachloroethene	166	18.681	18.686	-0.005	90	95133	0.5005	0.4723	
73 2-Hexanone	43	18.932	18.932	0.000	94	68643	0.5005	0.5203	
74 Chlorodibromomethane	129	19.307	19.307	0.000	95	83194	0.5005	0.4301	
75 Ethylene Dibromide	107	19.585	19.590	-0.005	98	78099	0.5005	0.4766	
S 82 Xylenes, Total	106				0		1.50	1.50	
* 76 Chlorobenzene-d5	117	20.430	20.430	0.000	81	2736912	10.0	10.0	
77 Chlorobenzene	112	20.484	20.489	-0.005	98	136867	0.5005	0.5092	
78 Ethylbenzene	91	20.596	20.601	-0.005	95	199740	0.5005	0.5165	
79 n-Nonane	57	20.655	20.655	0.000	86	82690	0.5005	0.5029	
80 m-Xylene & p-Xylene	106	20.816	20.821	-0.005	99	167318	1.00	1.01	
83 o-Xylene	106	21.527	21.532	-0.005	92	82736	0.5005	0.4901	
84 Styrene	104	21.570	21.570	0.000	98	115962	0.5005	0.4735	
85 Bromoform	173	21.950	21.950	0.000	99	81382	0.5005	0.3920	
86 Isopropylbenzene	105	22.094	22.094	0.000	95	232776	0.5005	0.5048	
$ 87 4-Bromofluorobenzene	95	22.431	22.436	-0.005	97	1806365	NC	NC	
88 1,1,2,2-Tetrachloroethane	83	22.656	22.661	-0.005	92	108909	0.5005	0.5132	
90 N-Propylbenzene	91	22.731	22.731	0.000	99	271077	0.5005	0.5265	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
89 1,2,3-Trichloropropane	75	22.757	22.763	-0.006	87	88437	0.5005	0.5403	
93 n-Decane	57	22.843	22.843	0.000	87	108353	0.5005	0.5400	
91 4-Ethyltoluene	105	22.897	22.897	0.000	85	234733	0.5005	0.5114	
92 2-Chlorotoluene	91	22.929	22.934	-0.005	93	196319	0.5005	0.5230	
94 1,3,5-Trimethylbenzene	105	22.987	22.987	0.000	85	200347	0.5005	0.5112	
95 Alpha Methyl Styrene	118	23.341	23.341	0.000	90	91112	0.5005	0.4595	
96 tert-Butylbenzene	119	23.464	23.469	-0.005	93	201317	0.5005	0.4991	
97 1,2,4-Trimethylbenzene	105	23.555	23.560	-0.005	96	199810	0.5005	0.5071	
98 sec-Butylbenzene	105	23.795	23.795	0.000	98	292530	0.5005	0.5202	
99 4-Isopropyltoluene	119	23.993	23.999	-0.006	85	251401	0.5005	0.5033	
100 1,3-Dichlorobenzene	146	24.068	24.068	0.000	98	145401	0.5005	0.4764	
101 1,4-Dichlorobenzene	146	24.213	24.213	0.000	96	136314	0.5005	0.4570	
102 Benzyl chloride	91	24.421	24.421	0.000	99	86377	0.5005	0.3464	
104 Undecane	57	24.608	24.608	0.000	93	117216	0.5005	0.5729	
103 n-Butylbenzene	91	24.635	24.635	0.000	97	213563	0.5005	0.5305	
105 1,2-Dichlorobenzene	146	24.817	24.817	0.000	98	146086	0.5005	0.4908	
106 Dodecane	57	26.411	26.406	0.005	94	94583	0.5005	0.5136	
107 1,2,4-Trichlorobenzene	180	27.701	27.706	-0.005	93	104158	0.5005	0.4319	
108 Hexachlorobutadiene	225	27.904	27.904	0.000	93	113372	0.5005	0.4501	
109 Naphthalene	128	28.289	28.289	0.000	99	219022	0.5005	0.4726	
110 1,2,3-Trichlorobenzene	180	28.851	28.856	-0.005	94	112610	0.5005	0.5119	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

ATTO15CAL2w_00131	Amount Added: 200.00	Units: mL	
ATTO15WISs_00003	Amount Added: 20.00	Units: mL	Run Reagent

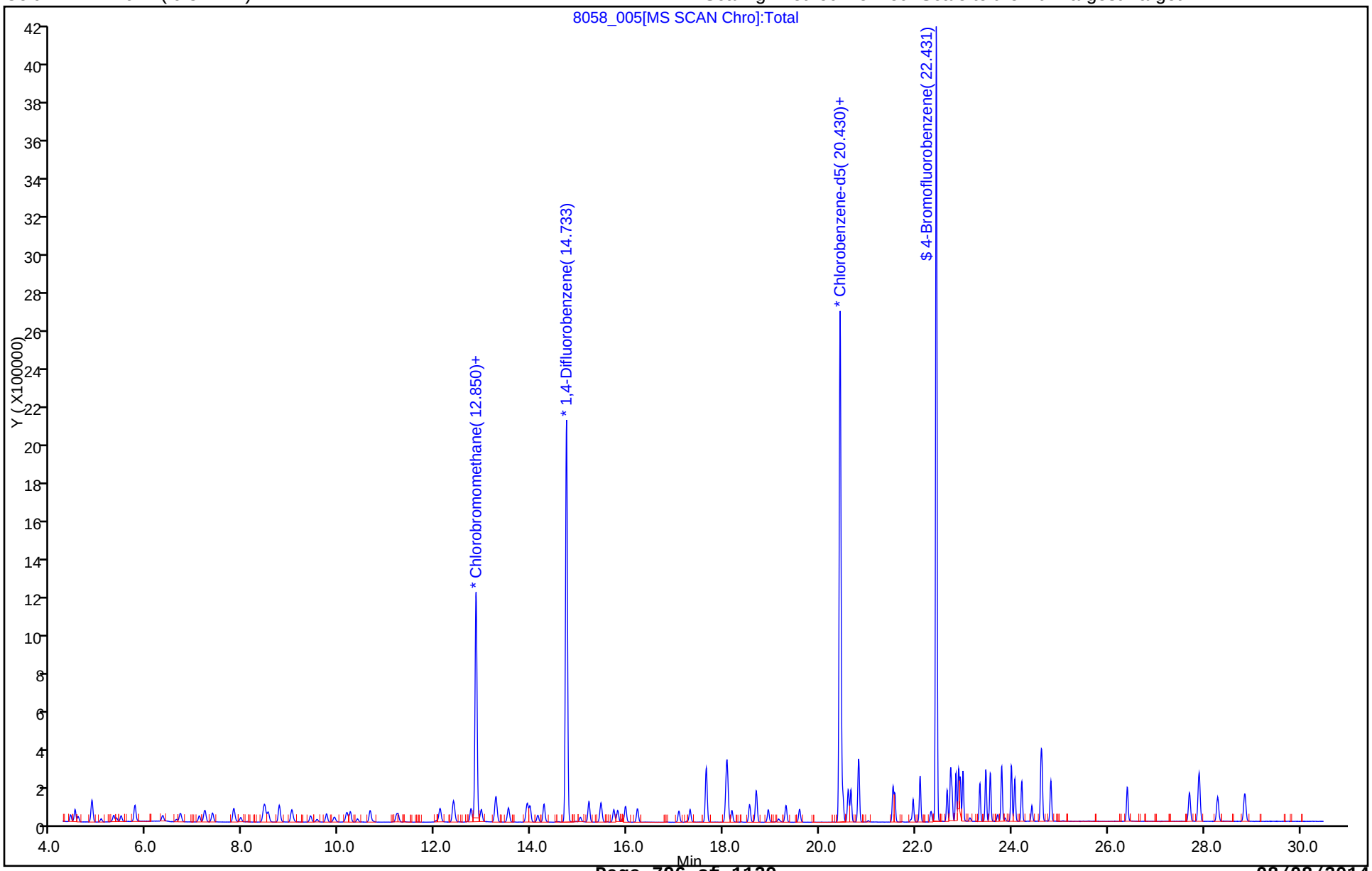
Report Date: 17-Jun-2014 09:22:20 Chrom Revision: 2.2 12-Jun-2014 08:49:30

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140613-8058.b\8058_005.d

Injection Date:	14-Jun-2014 09:46:30	Instrument ID:	CHW.i	Operator ID:	PAD
Lims ID:	IC			Worklist Smp#:	5
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\20140613-8058.b\8058_006.d
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 14-Jun-2014 10:36:30 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0008058-006
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\20140613-8058.b\TO15_LLNJ_TO3_W_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 16-Jun-2014 10:40:41 Calib Date: 15-Jun-2014 00:33:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20140613-8058.b\8058_017.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK030

First Level Reviewer: daiglep Date: 16-Jun-2014 09:57:53

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	4.413	4.419	-0.006	98	197892	4.99	4.76	
2 Dichlorodifluoromethane	85	4.504	4.515	-0.011	88	747607	4.99	4.52	
6 Chlorodifluoromethane	51	4.574	4.579	-0.005	76	382300	4.99	4.63	
7 1,2-Dichloro-1,1,2,2-tetra	85	4.852	4.863	-0.011	89	735932	4.99	4.45	
8 Chloromethane	50	5.050	5.061	-0.011	89	222466	4.99	4.55	
9 Butane	43	5.312	5.323	-0.011	98	390938	4.99	4.82	
10 Vinyl chloride	62	5.371	5.376	-0.005	82	267428	4.99	4.40	
11 Butadiene	54	5.467	5.478	-0.011	94	191528	4.99	4.43	
12 Bromomethane	94	6.328	6.339	-0.011	99	268550	4.99	4.40	
13 BFB									
14 Chloroethane	64	6.612	6.623	-0.011	96	152928	4.99	4.46	
15 2-Methylbutane	43	6.698	6.708	-0.010	92	285950	4.99	4.45	
16 Vinyl bromide	106	7.088	7.099	-0.011	97	317453	4.99	4.25	
17 Trichlorofluoromethane	101	7.206	7.217	-0.011	87	802571	4.99	4.40	
18 Pentane	43	7.372	7.377	-0.005	97	445837	4.99	4.83	
19 Ethanol	45	7.805	7.832	-0.027	99	259516	10.0	11.0	
21 Ethyl ether	59	7.949	7.960	-0.011	94	182930	4.99	4.43	
22 Acrolein	56	8.415	8.426	-0.011	94	81340	4.99	4.63	
23 1,1,2-Trichloro-1,2,2-trif	101	8.452	8.458	-0.006	93	604357	4.99	4.32	
24 1,1-Dichloroethene	96	8.527	8.533	-0.006	85	292687	4.99	4.27	
25 Acetone	43	8.757	8.763	-0.006	89	485345	4.99	5.62	
26 Carbon disulfide	76	9.014	9.019	-0.005	99	720064	4.99	4.21	
27 Isopropyl alcohol	45	9.035	9.057	-0.022	91	347447	4.99	4.77	
29 3-Chloro-1-propene	41	9.410	9.415	-0.005	90	300368	4.99	4.57	
30 Acetonitrile	41	9.544	9.549	-0.005	99	173374	4.99	4.71	
31 Methylene Chloride	49	9.736	9.747	-0.011	83	276254	4.99	4.67	
32 2-Methyl-2-propanol	59	9.902	9.929	-0.027	99	458005	4.99	4.36	
33 Methyl tert-butyl ether	73	10.159	10.170	-0.011	96	798346	4.99	4.36	
S 41 1,2-Dichloroethene, Total	61				0		9.99	8.78	
34 trans-1,2-Dichloroethene	61	10.234	10.244	-0.010	82	368004	4.99	4.47	

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	10.378	10.394	-0.016	97	177908	4.99	4.44	
36 Hexane	57	10.646	10.656	-0.010	91	422795	4.99	4.24	
37 1,1-Dichloroethane	63	11.197	11.202	-0.005	94	484195	4.99	4.45	
38 Vinyl acetate	43	11.234	11.240	-0.006	99	618341	4.99	4.64	
39 cis-1,2-Dichloroethene	96	12.374	12.379	-0.005	93	331827	4.99	4.30	
40 2-Butanone (MEK)	72	12.379	12.390	-0.011	99	157025	4.99	4.31	
42 Ethyl acetate	88	12.400	12.416	-0.016	97	25885	4.99	4.23	
44 Tetrahydrofuran	42	12.850	12.855	-0.005	92	272419	4.99	4.59	
* 43 Chlorobromomethane	128	12.850	12.860	-0.010	76	565399	10.0	10.0	
45 Chloroform	83	12.962	12.967	-0.005	94	587069	4.99	4.36	
46 Cyclohexane	84	13.262	13.267	-0.005	87	442047	4.99	4.26	
47 1,1,1-Trichloroethane	97	13.267	13.278	-0.011	93	628498	4.99	4.25	
48 Carbon tetrachloride	117	13.524	13.535	-0.011	89	680928	4.99	4.20	
51 Isooctane	57	13.914	13.920	-0.006	99	1380918	4.99	4.44	
50 Benzene	78	13.979	13.984	-0.005	93	942298	4.99	4.29	
52 1,2-Dichloroethane	62	14.134	14.144	-0.010	92	355115	4.99	4.38	
53 n-Heptane	43	14.267	14.273	-0.006	88	483453	4.99	4.30	
* 54 1,4-Difluorobenzene	114	14.738	14.744	-0.006	92	2800593	10.0	10.0	
A 57 GRO	1	14.776	(6.698-22.853)		0	121152619	4.99	0	
55 n-Butanol	56	15.016	15.027	-0.011	85	148627	4.99	4.22	
56 Trichloroethene	95	15.198	15.209	-0.011	90	426021	4.99	4.14	
58 1,2-Dichloropropane	63	15.717	15.723	-0.006	92	327230	4.99	4.34	
59 Methyl methacrylate	69	15.803	15.808	-0.005	82	320907	4.99	4.32	
60 1,4-Dioxane	88	15.894	15.899	-0.005	86	165196	4.99	4.35	
61 Dibromomethane	174	15.963	15.969	-0.006	89	489857	4.99	4.01	
62 Dichlorobromomethane	83	16.209	16.215	-0.006	95	634319	4.99	4.33	
A 63 TVOC as Toluene	92	16.637	(4.409-28.866)		0	211129759	4.99	1060.8	
64 cis-1,3-Dichloropropene	75	17.071	17.076	-0.005	85	481858	4.99	4.26	
65 4-Methyl-2-pentanone (MIBK	43	17.301	17.311	-0.010	95	593274	4.99	4.59	
69 n-Octane	43	17.638	17.643	-0.005	89	667434	4.99	4.62	
A 68 C8 Range	1	17.643	(17.593-17.693)		0	5563454	NC	NC	
66 Toluene	92	17.643	17.648	-0.005	93	740073	4.99	4.07	
A 67 Toluene Range	92	17.648	(17.608-17.688)		0	5563454	4.99	30.6	
70 trans-1,3-Dichloropropene	75	18.178	18.183	-0.005	93	483487	4.99	4.30	
71 1,1,2-Trichloroethane	83	18.547	18.553	-0.006	93	332673	4.99	4.24	
72 Tetrachloroethene	166	18.686	18.686	0.000	90	760503	4.99	4.04	
73 2-Hexanone	43	18.932	18.932	0.000	97	563187	4.99	4.56	
74 Chlorodibromomethane	129	19.302	19.307	-0.005	96	755633	4.99	4.18	
75 Ethylene Dibromide	107	19.585	19.590	-0.005	98	649919	4.99	4.24	
S 82 Xylenes, Total	106				0		15.0	13.4	
* 76 Chlorobenzene-d5	117	20.430	20.430	0.000	80	2559835	10.0	10.0	
77 Chlorobenzene	112	20.489	20.489	0.000	92	1062572	4.99	4.23	
78 Ethylbenzene	91	20.601	20.601	0.000	96	1585196	4.99	4.38	
79 n-Nonane	57	20.655	20.655	0.000	85	689710	4.99	4.48	
80 m-Xylene & p-Xylene	106	20.815	20.821	-0.006	98	1394934	9.99	9.02	
83 o-Xylene	106	21.532	21.532	0.000	95	687636	4.99	4.36	
84 Styrene	104	21.570	21.570	0.000	97	1026893	4.99	4.48	
85 Bromoform	173	21.950	21.950	0.000	99	799953	4.99	4.12	
86 Isopropylbenzene	105	22.094	22.094	0.000	94	1937563	4.99	4.49	
$ 87 4-Bromofluorobenzene	95	22.431	22.436	-0.005	98	1708281	NC	NC	
88 1,1,2,2-Tetrachloroethane	83	22.656	22.661	-0.005	93	890654	4.99	4.49	
90 N-Propylbenzene	91	22.731	22.731	0.000	99	2225165	4.99	4.62	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
89 1,2,3-Trichloropropane	75	22.757	22.763	-0.006	89	693732	4.99	4.53	
93 n-Decane	57	22.843	22.843	0.000	86	911682	4.99	4.86	
91 4-Ethyltoluene	105	22.897	22.897	-0.001	84	1958494	4.99	4.56	
92 2-Chlorotoluene	91	22.934	22.934	0.000	92	1567267	4.99	4.46	
94 1,3,5-Trimethylbenzene	105	22.987	22.987	0.000	86	1640731	4.99	4.48	
95 Alpha Methyl Styrene	118	23.341	23.341	0.000	90	860947	4.99	4.64	
96 tert-Butylbenzene	119	23.464	23.469	-0.005	95	1677467	4.99	4.45	
97 1,2,4-Trimethylbenzene	105	23.555	23.560	-0.005	96	1649626	4.99	4.48	
98 sec-Butylbenzene	105	23.795	23.795	0.000	98	2405166	4.99	4.57	
99 4-Isopropyltoluene	119	23.999	23.999	0.000	88	2125241	4.99	4.55	
100 1,3-Dichlorobenzene	146	24.068	24.068	0.000	98	1247575	4.99	4.37	
101 1,4-Dichlorobenzene	146	24.213	24.213	0.000	96	1217482	4.99	4.36	
102 Benzyl chloride	91	24.421	24.421	0.000	100	1050437	4.99	4.50	
104 Undecane	57	24.608	24.608	0.000	92	996662	4.99	5.21	
103 n-Butylbenzene	91	24.630	24.635	-0.005	97	1771724	4.99	4.71	
105 1,2-Dichlorobenzene	146	24.817	24.817	0.000	98	1199685	4.99	4.31	
106 Dodecane	57	26.406	26.406	0.000	94	907645	4.99	5.27	
107 1,2,4-Trichlorobenzene	180	27.706	27.706	0.000	92	890796	4.99	3.95	
108 Hexachlorobutadiene	225	27.904	27.904	0.000	94	974898	4.99	4.14	
109 Naphthalene	128	28.289	28.289	0.000	99	1777404	4.99	4.10	
110 1,2,3-Trichlorobenzene	180	28.851	28.856	-0.005	94	874223	4.99	4.25	

QC Flag Legend

Processing Flags
NC - Not Calibrated

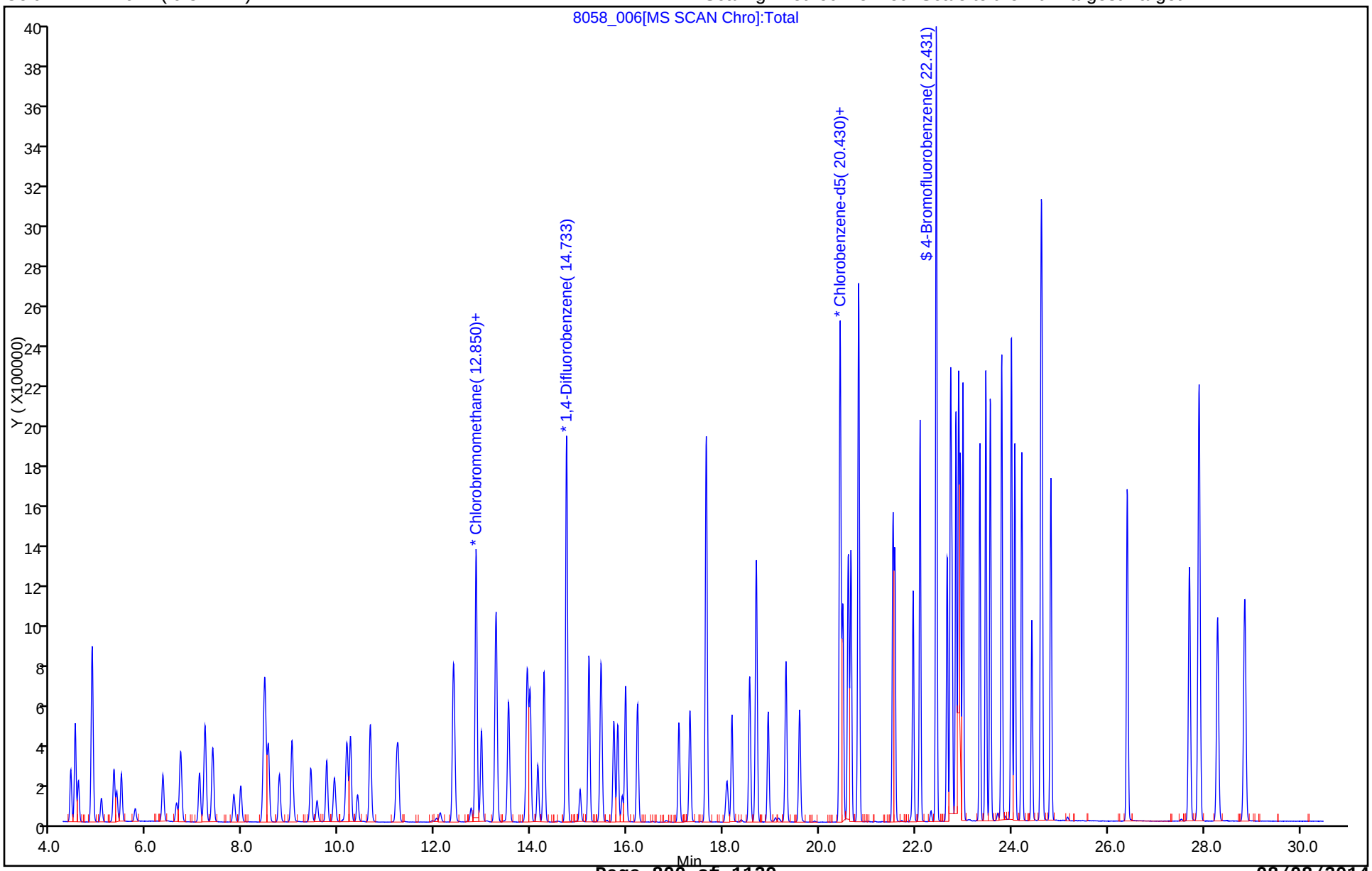
Report Date: 16-Jun-2014 10:40:41 Chrom Revision: 2.2 16-May-2014 10:46:48

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140613-8058.b\8058_006.d

Injection Date:	14-Jun-2014 10:36:30	Instrument ID:	CHW.i	Operator ID:	PAD
Lims ID:	IC			Worklist Smp#:	6
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\20140613-8058.b\8058_007.d
Lims ID: ICIS
Client ID:
Sample Type: ICIS Calib Level: 5
Inject. Date: 14-Jun-2014 11:26:30 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0008058-007
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\20140613-8058.b\TO15_LLNJ_TO3_W_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 17-Jun-2014 09:21:43 Calib Date: 15-Jun-2014 00:33:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20140613-8058.b\8058_017.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK037

First Level Reviewer: lyonsb Date: 17-Jun-2014 09:21:43

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	4.419	4.419	0.000	98	469817	10.0	10.3	
2 Dichlorodifluoromethane	85	4.515	4.515	0.000	88	1933403	10.0	10.6	
6 Chlorodifluoromethane	51	4.579	4.579	0.000	76	961488	10.0	10.6	
7 1,2-Dichloro-1,1,2,2-tetra	85	4.863	4.863	0.000	87	1899518	10.0	10.4	
8 Chloromethane	50	5.061	5.061	0.000	88	558815	10.0	10.4	
9 Butane	43	5.323	5.323	0.000	98	960486	10.0	10.8	
10 Vinyl chloride	62	5.376	5.376	0.000	81	709375	10.0	10.6	
11 Butadiene	54	5.478	5.478	0.000	93	514526	10.0	10.8	
12 Bromomethane	94	6.339	6.339	0.000	99	694003	10.0	10.3	
13 BFB									
14 Chloroethane	64	6.623	6.623	0.000	96	397081	10.0	10.5	
15 2-Methylbutane	43	6.708	6.708	0.000	91	714580	10.0	10.1	
16 Vinyl bromide	106	7.099	7.099	0.000	99	846732	10.0	10.3	
17 Trichlorofluoromethane	101	7.217	7.217	0.000	87	2066602	10.0	10.3	
18 Pentane	43	7.377	7.377	0.000	97	1082869	10.0	10.7	
19 Ethanol	45	7.832	7.832	0.000	99	423144	15.0	16.4	
21 Ethyl ether	59	7.960	7.960	0.000	94	478447	10.0	10.5	
22 Acrolein	56	8.426	8.426	0.000	95	199914	10.0	10.3	
23 1,1,2-Trichloro-1,2,2-trif	101	8.458	8.458	0.000	93	1582240	10.0	10.3	
24 1,1-Dichloroethene	96	8.533	8.533	0.000	85	776062	10.0	10.3	
25 Acetone	43	8.763	8.763	0.000	89	1094199	10.0	11.5	
26 Carbon disulfide	76	9.019	9.019	0.000	98	1911050	10.0	10.2	
27 Isopropyl alcohol	45	9.057	9.057	0.000	98	957457	10.0	12.0	
29 3-Chloro-1-propene	41	9.415	9.415	0.000	90	752218	10.0	10.4	
30 Acetonitrile	41	9.549	9.549	0.000	99	456622	10.0	11.3	
31 Methylene Chloride	49	9.747	9.747	0.000	81	671046	10.0	10.3	
32 2-Methyl-2-propanol	59	9.929	9.929	0.000	99	1348885	10.0	11.7	
33 Methyl tert-butyl ether	73	10.170	10.170	0.000	96	2120966	10.0	10.5	
S 41 1,2-Dichloroethene, Total	61				0		20.0	20.9	
34 trans-1,2-Dichloroethene	61	10.244	10.244	0.000	80	948948	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	10.394	10.394	0.000	96	473690	10.0	10.8	
36 Hexane	57	10.656	10.656	0.000	90	1065615	10.0	9.72	
37 1,1-Dichloroethane	63	11.202	11.202	0.000	94	1263420	10.0	10.6	
38 Vinyl acetate	43	11.240	11.240	0.000	99	1605843	10.0	11.0	
39 cis-1,2-Dichloroethene	96	12.379	12.379	0.000	93	881650	10.0	10.4	
40 2-Butanone (MEK)	72	12.390	12.390	0.000	99	401738	10.0	10.0	
42 Ethyl acetate	88	12.416	12.416	0.000	99	71925	10.0	10.7	
44 Tetrahydrofuran	42	12.855	12.855	0.000	91	705701	10.0	11.0	
* 43 Chlorobromomethane	128	12.860	12.860	0.000	76	621706	10.0	10.0	
45 Chloroform	83	12.967	12.967	0.000	94	1542191	10.0	10.4	
46 Cyclohexane	84	13.267	13.267	0.000	85	1168879	10.0	10.4	
47 1,1,1-Trichloroethane	97	13.278	13.278	0.000	93	1662042	10.0	10.4	
48 Carbon tetrachloride	117	13.535	13.535	0.000	89	1844146	10.0	10.5	
51 Isooctane	57	13.920	13.920	0.000	99	3559291	10.0	10.6	
50 Benzene	78	13.984	13.984	0.000	93	2442468	10.0	10.3	
52 1,2-Dichloroethane	62	14.144	14.144	0.000	92	921601	10.0	10.5	
53 n-Heptane	43	14.273	14.273	0.000	87	1196799	10.0	9.87	
* 54 1,4-Difluorobenzene	114	14.744	14.744	0.000	92	3022390	10.0	10.0	
A 57 GRO	1	14.776	(6.698-22.853)		0	314780732	10.0	0	
55 n-Butanol	56	15.027	15.027	0.000	84	429267	10.0	11.3	
56 Trichloroethene	95	15.209	15.209	0.000	89	1130167	10.0	10.2	
58 1,2-Dichloropropane	63	15.723	15.723	0.000	93	852063	10.0	10.5	
59 Methyl methacrylate	69	15.808	15.808	0.000	81	863230	10.0	10.8	
60 1,4-Dioxane	88	15.899	15.899	0.000	86	490757	10.0	12.0	
61 Dibromomethane	174	15.969	15.969	0.000	88	1355809	10.0	10.3	
62 Dichlorobromomethane	83	16.215	16.215	0.000	95	1699009	10.0	10.7	
A 63 TVOC as Toluene	92	16.637	(4.409-28.866)		0	557231860	10.0	2594.4	
64 cis-1,3-Dichloropropene	75	17.076	17.076	0.000	84	1319964	10.0	10.8	
65 4-Methyl-2-pentanone (MIBK	43	17.311	17.311	0.000	93	1551269	10.0	11.1	
69 n-Octane	43	17.643	17.643	0.000	87	1613015	10.0	10.3	
A 68 C8 Range	1	17.643	(17.593-17.693)		0	14038224	NC	NC	
66 Toluene	92	17.648	17.648	0.000	94	1935272	10.0	9.79	
A 67 Toluene Range	92	17.648	(17.608-17.688)		0	14038224	10.0	71.0	
70 trans-1,3-Dichloropropene	75	18.183	18.183	0.000	92	1334289	10.0	11.0	
71 1,1,2-Trichloroethane	83	18.553	18.553	0.000	93	886121	10.0	10.4	
72 Tetrachloroethene	166	18.686	18.686	0.000	89	2088563	10.0	10.2	
73 2-Hexanone	43	18.932	18.932	0.000	93	1481133	10.0	11.0	
74 Chlorodibromomethane	129	19.307	19.307	0.000	96	2133863	10.0	10.9	
75 Ethylene Dibromide	107	19.590	19.590	0.000	99	1766627	10.0	10.6	
S 82 Xylenes, Total	106				0		30.0	32.4	
* 76 Chlorobenzene-d5	117	20.430	20.430	0.000	80	2781609	10.0	10.0	
77 Chlorobenzene	112	20.489	20.489	0.000	98	2828706	10.0	10.4	
78 Ethylbenzene	91	20.601	20.601	0.000	95	4157719	10.0	10.6	
79 n-Nonane	57	20.655	20.655	0.000	83	1725249	10.0	10.3	
80 m-Xylene & p-Xylene	106	20.821	20.821	0.000	97	3646323	20.0	21.7	
83 o-Xylene	106	21.532	21.532	0.000	96	1836715	10.0	10.7	
84 Styrene	104	21.570	21.570	0.000	97	2824642	10.0	11.3	
85 Bromoform	173	21.950	21.950	0.000	99	2378879	10.0	11.3	
86 Isopropylbenzene	105	22.094	22.094	0.000	94	5061976	10.0	10.8	
$ 87 4-Bromofluorobenzene	95	22.436	22.436	0.000	97	1849758	NC	NC	
88 1,1,2,2-Tetrachloroethane	83	22.661	22.661	0.000	92	2329893	10.0	10.8	
90 N-Propylbenzene	91	22.731	22.731	0.000	98	5745350	10.0	11.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
89 1,2,3-Trichloropropane	75	22.763	22.763	0.000	94	1811073	10.0	10.9	
93 n-Decane	57	22.843	22.843	0.000	83	2283318	10.0	11.2	
91 4-Ethyltoluene	105	22.897	22.897	0.000	84	5131642	10.0	11.0	
92 2-Chlorotoluene	91	22.934	22.934	0.000	91	4106250	10.0	10.8	
94 1,3,5-Trimethylbenzene	105	22.987	22.987	0.000	86	4339590	10.0	10.9	
95 Alpha Methyl Styrene	118	23.341	23.341	0.000	90	2411568	10.0	12.0	
96 tert-Butylbenzene	119	23.469	23.469	0.000	92	4412729	10.0	10.8	
97 1,2,4-Trimethylbenzene	105	23.560	23.560	0.000	95	4369672	10.0	10.9	
98 sec-Butylbenzene	105	23.795	23.795	0.000	98	6257024	10.0	10.9	
99 4-Isopropyltoluene	119	23.999	23.999	0.000	94	5608679	10.0	11.0	
100 1,3-Dichlorobenzene	146	24.068	24.068	0.000	98	3433407	10.0	11.1	
101 1,4-Dichlorobenzene	146	24.213	24.213	0.000	96	3407885	10.0	11.2	
102 Benzyl chloride	91	24.421	24.421	0.000	100	2822199	10.0	11.1	
104 Undecane	57	24.608	24.608	0.000	91	2500936	10.0	12.0	
103 n-Butylbenzene	91	24.635	24.635	0.000	97	4597886	10.0	11.2	
105 1,2-Dichlorobenzene	146	24.817	24.817	0.000	98	3260124	10.0	10.8	
106 Dodecane	57	26.406	26.406	0.000	93	2456241	10.0	13.1	
107 1,2,4-Trichlorobenzene	180	27.706	27.706	0.000	92	2749600	10.0	11.2	
108 Hexachlorobutadiene	225	27.904	27.904	0.000	95	2771121	10.0	10.8	
109 Naphthalene	128	28.289	28.289	0.000	99	5658932	10.0	12.0	
110 1,2,3-Trichlorobenzene	180	28.856	28.856	0.000	94	2608308	10.0	11.7	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

ATTO15CAL4w_00362	Amount Added: 200.00	Units: mL	
ATTO15WISs_00003	Amount Added: 20.00	Units: mL	Run Reagent

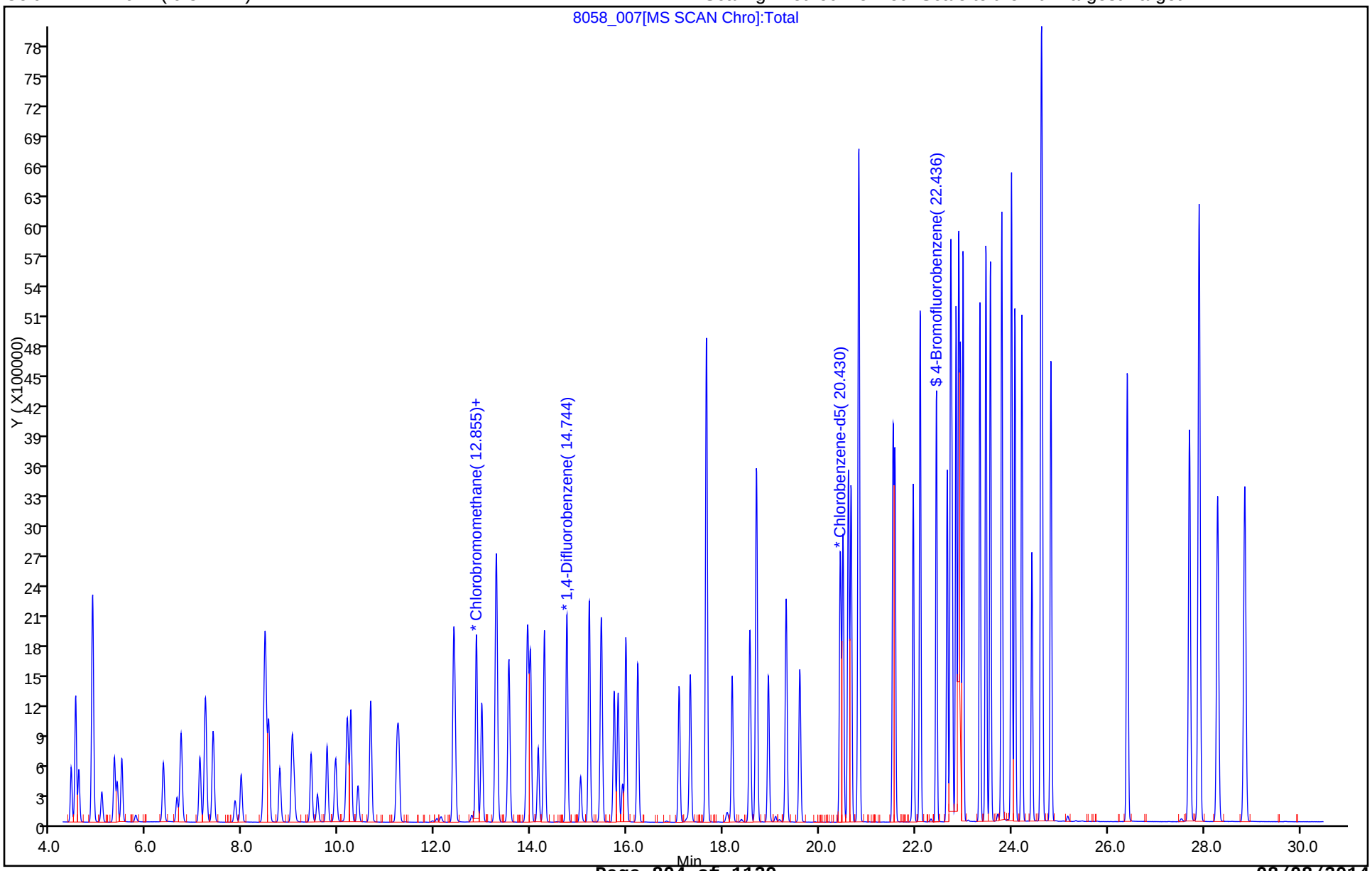
Report Date: 17-Jun-2014 09:21:44 Chrom Revision: 2.2 12-Jun-2014 08:49:30

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140613-8058.b\8058_007.d

Injection Date:	14-Jun-2014 11:26:30	Instrument ID:	CHW.i	Operator ID:	PAD
Lims ID:	ICIS			Worklist Smp#:	7
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\20140613-8058.b\8058_008.d
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 14-Jun-2014 12:16:30 ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0008058-008
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\20140613-8058.b\TO15_LLNJ_TO3_W_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 16-Jun-2014 10:40:43 Calib Date: 15-Jun-2014 00:33:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20140613-8058.b\8058_017.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK030

First Level Reviewer: daiglep Date: 16-Jun-2014 09:59:07

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	4.413	4.419	-0.006	98	692857	15.0	14.6	
2 Dichlorodifluoromethane	85	4.504	4.515	-0.011	88	2910832	15.0	15.4	
6 Chlorodifluoromethane	51	4.569	4.579	-0.010	76	1440544	15.0	15.3	
7 1,2-Dichloro-1,1,2,2-tetra	85	4.857	4.863	-0.006	87	2859089	15.0	15.2	
8 Chloromethane	50	5.050	5.061	-0.011	89	843772	15.0	15.1	
9 Butane	43	5.312	5.323	-0.011	98	1411470	15.0	15.3	
10 Vinyl chloride	62	5.371	5.376	-0.005	81	1071516	15.0	15.5	
11 Butadiene	54	5.467	5.478	-0.011	94	769038	15.0	15.6	
12 Bromomethane	94	6.334	6.339	-0.005	99	1034511	15.0	14.9	
13 BFB									
14 Chloroethane	64	6.618	6.623	-0.005	96	610178	15.0	15.6	
15 2-Methylbutane	43	6.698	6.708	-0.010	92	1068305	15.0	14.6	
16 Vinyl bromide	106	7.094	7.099	-0.005	98	1317386	15.0	15.4	
17 Trichlorofluoromethane	101	7.211	7.217	-0.006	87	3166856	15.0	15.2	
18 Pentane	43	7.366	7.377	-0.011	97	1613354	15.0	15.3	
19 Ethanol	45	7.810	7.832	-0.022	99	526428	20.0	19.6	
21 Ethyl ether	59	7.950	7.960	-0.010	94	729054	15.0	15.5	
22 Acrolein	56	8.415	8.426	-0.011	96	311843	15.0	15.6	
23 1,1,2-Trichloro-1,2,2-trif	101	8.447	8.458	-0.011	93	2443487	15.0	15.3	
24 1,1-Dichloroethene	96	8.527	8.533	-0.006	85	1201494	15.0	15.4	
25 Acetone	43	8.752	8.763	-0.011	91	1467844	15.0	14.9	
26 Carbon disulfide	76	9.014	9.019	-0.005	98	2879345	15.0	14.8	
27 Isopropyl alcohol	45	9.041	9.057	-0.016	97	1274876	15.0	15.4	
29 3-Chloro-1-propene	41	9.410	9.415	-0.005	90	1163542	15.0	15.5	
30 Acetonitrile	41	9.538	9.549	-0.011	100	660902	15.0	15.7	
31 Methylene Chloride	49	9.742	9.747	-0.005	81	1006237	15.0	14.9	
32 2-Methyl-2-propanol	59	9.908	9.929	-0.021	99	1863403	15.0	15.5	
33 Methyl tert-butyl ether	73	10.159	10.170	-0.011	96	3256093	15.0	15.6	
S 41 1,2-Dichloroethene, Total	61				0		30.0	30.8	
34 trans-1,2-Dichloroethene	61	10.239	10.244	-0.005	79	1443844	15.0	15.4	

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	10.384	10.394	-0.010	96	712427	15.0	15.6	
36 Hexane	57	10.651	10.656	-0.005	89	1615681	15.0	14.2	
37 1,1-Dichloroethane	63	11.197	11.202	-0.005	94	1912064	15.0	15.4	
38 Vinyl acetate	43	11.234	11.240	-0.006	99	2416387	15.0	15.9	
39 cis-1,2-Dichloroethene	96	12.374	12.379	-0.005	91	1352225	15.0	15.4	
40 2-Butanone (MEK)	72	12.384	12.390	-0.006	100	608947	15.0	14.7	
42 Ethyl acetate	88	12.406	12.416	-0.010	99	109767	15.0	15.7	
44 Tetrahydrofuran	42	12.845	12.855	-0.010	91	1039410	15.0	15.8	
* 43 Chlorobromomethane	128	12.855	12.860	-0.005	77	644888	10.0	10.0	
45 Chloroform	83	12.968	12.967	0.001	94	2358421	15.0	15.4	
46 Cyclohexane	84	13.262	13.267	-0.005	85	1800908	15.0	15.6	
47 1,1,1-Trichloroethane	97	13.273	13.278	-0.005	92	2561294	15.0	15.6	
48 Carbon tetrachloride	117	13.529	13.535	-0.006	89	2874816	15.0	16.0	
51 Isooctane	57	13.920	13.920	0.000	99	5334952	15.0	15.5	
50 Benzene	78	13.979	13.984	-0.005	92	3739090	15.0	15.3	
52 1,2-Dichloroethane	62	14.139	14.144	-0.005	91	1393139	15.0	15.5	
53 n-Heptane	43	14.268	14.273	-0.005	86	1773580	15.0	14.2	
* 54 1,4-Difluorobenzene	114	14.738	14.744	-0.006	92	3106006	10.0	10.0	
A 57 GRO	1	14.776	(6.698-22.853)		0	475383737	15.0	0	
55 n-Butanol	56	15.017	15.027	-0.010	84	627214	15.0	16.1	
56 Trichloroethene	95	15.204	15.209	-0.005	88	1747105	15.0	15.3	
58 1,2-Dichloropropane	63	15.723	15.723	0.000	93	1302619	15.0	15.6	
59 Methyl methacrylate	69	15.803	15.808	-0.005	80	1335036	15.0	16.2	
60 1,4-Dioxane	88	15.894	15.899	-0.005	85	653911	15.0	15.5	
61 Dibromomethane	174	15.969	15.969	0.000	87	2147639	15.0	15.9	
62 Dichlorobromomethane	83	16.215	16.215	0.000	95	2613934	15.0	16.1	
A 63 TVOC as Toluene	92	16.637	(4.409-28.866)		0	837017342	15.0	3792.1	
64 cis-1,3-Dichloropropene	75	17.076	17.076	0.000	83	2047179	15.0	16.3	
65 4-Methyl-2-pentanone (MIBK	43	17.306	17.311	-0.005	92	2261803	15.0	15.8	
69 n-Octane	43	17.638	17.643	-0.005	86	2308838	15.0	14.4	
A 68 C8 Range	1	17.643	(17.593-17.693)		0	20881099	NC	NC	
66 Toluene	92	17.649	17.648	0.001	94	2936589	15.0	14.5	
A 67 Toluene Range	92	17.648	(17.608-17.688)		0	20881099	15.0	103.2	
70 trans-1,3-Dichloropropene	75	18.178	18.183	-0.005	91	2063052	15.0	16.6	
71 1,1,2-Trichloroethane	83	18.547	18.553	-0.006	92	1359121	15.0	15.6	
72 Tetrachloroethene	166	18.686	18.686	0.000	89	3285183	15.0	15.7	
73 2-Hexanone	43	18.933	18.932	0.001	92	2157179	15.0	15.7	
74 Chlorodibromomethane	129	19.307	19.307	0.000	96	3357225	15.0	16.7	
75 Ethylene Dibromide	107	19.591	19.590	0.001	99	2736481	15.0	16.0	
S 82 Xylenes, Total	106				0		45.0	47.9	
* 76 Chlorobenzene-d5	117	20.430	20.430	0.000	80	2848051	10.0	10.0	
77 Chlorobenzene	112	20.489	20.489	0.000	97	4352768	15.0	15.6	
78 Ethylbenzene	91	20.602	20.601	0.001	95	6302731	15.0	15.7	
79 n-Nonane	57	20.655	20.655	0.000	83	2556824	15.0	14.9	
80 m-Xylene & p-Xylene	106	20.816	20.821	-0.005	97	5485150	30.0	31.9	
83 o-Xylene	106	21.532	21.532	0.000	96	2806217	15.0	16.0	
84 Styrene	104	21.570	21.570	0.000	98	4299320	15.0	16.9	
85 Bromoform	173	21.950	21.950	0.000	99	3812482	15.0	17.6	
86 Isopropylbenzene	105	22.094	22.094	0.000	94	7628058	15.0	15.9	
$ 87 4-Bromofluorobenzene	95	22.431	22.436	-0.005	97	1884923	NC	NC	
88 1,1,2,2-Tetrachloroethane	83	22.661	22.661	0.000	92	3503138	15.0	15.9	
90 N-Propylbenzene	91	22.731	22.731	0.000	96	8489813	15.0	15.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
89 1,2,3-Trichloropropane	75	22.763	22.763	0.000	86	2693181	15.0	15.8	
93 n-Decane	57	22.843	22.843	0.000	82	3334014	15.0	16.0	
91 4-Ethyltoluene	105	22.902	22.897	0.005	83	7651300	15.0	16.0	
92 2-Chlorotoluene	91	22.934	22.934	0.000	91	6137873	15.0	15.7	
94 1,3,5-Trimethylbenzene	105	22.993	22.987	0.006	87	6540016	15.0	16.0	
95 Alpha Methyl Styrene	118	23.341	23.341	0.000	90	3707868	15.0	18.0	
96 tert-Butylbenzene	119	23.469	23.469	0.000	92	6674529	15.0	15.9	
97 1,2,4-Trimethylbenzene	105	23.560	23.560	0.000	95	6576813	15.0	16.0	
98 sec-Butylbenzene	105	23.795	23.795	0.000	97	9290663	15.0	15.9	
99 4-Isopropyltoluene	119	23.999	23.999	0.000	93	8409771	15.0	16.2	
100 1,3-Dichlorobenzene	146	24.068	24.068	0.000	98	5237605	15.0	16.5	
101 1,4-Dichlorobenzene	146	24.213	24.213	0.000	96	5180659	15.0	16.7	
102 Benzyl chloride	91	24.421	24.421	0.000	99	4834437	15.0	18.6	
104 Undecane	57	24.609	24.608	0.001	90	3487267	15.0	16.4	
103 n-Butylbenzene	91	24.635	24.635	0.000	97	6707811	15.0	16.0	
105 1,2-Dichlorobenzene	146	24.823	24.817	0.006	98	5006056	15.0	16.2	
106 Dodecane	57	26.411	26.406	0.005	92	3279874	15.0	17.1	
107 1,2,4-Trichlorobenzene	180	27.706	27.706	0.000	92	4092050	15.0	16.3	
108 Hexachlorobutadiene	225	27.904	27.904	0.000	95	4331819	15.0	16.5	
109 Naphthalene	128	28.289	28.289	0.000	99	7639569	15.0	15.8	
110 1,2,3-Trichlorobenzene	180	28.856	28.856	0.000	94	3751034	15.0	16.4	

QC Flag Legend

Processing Flags
NC - Not Calibrated

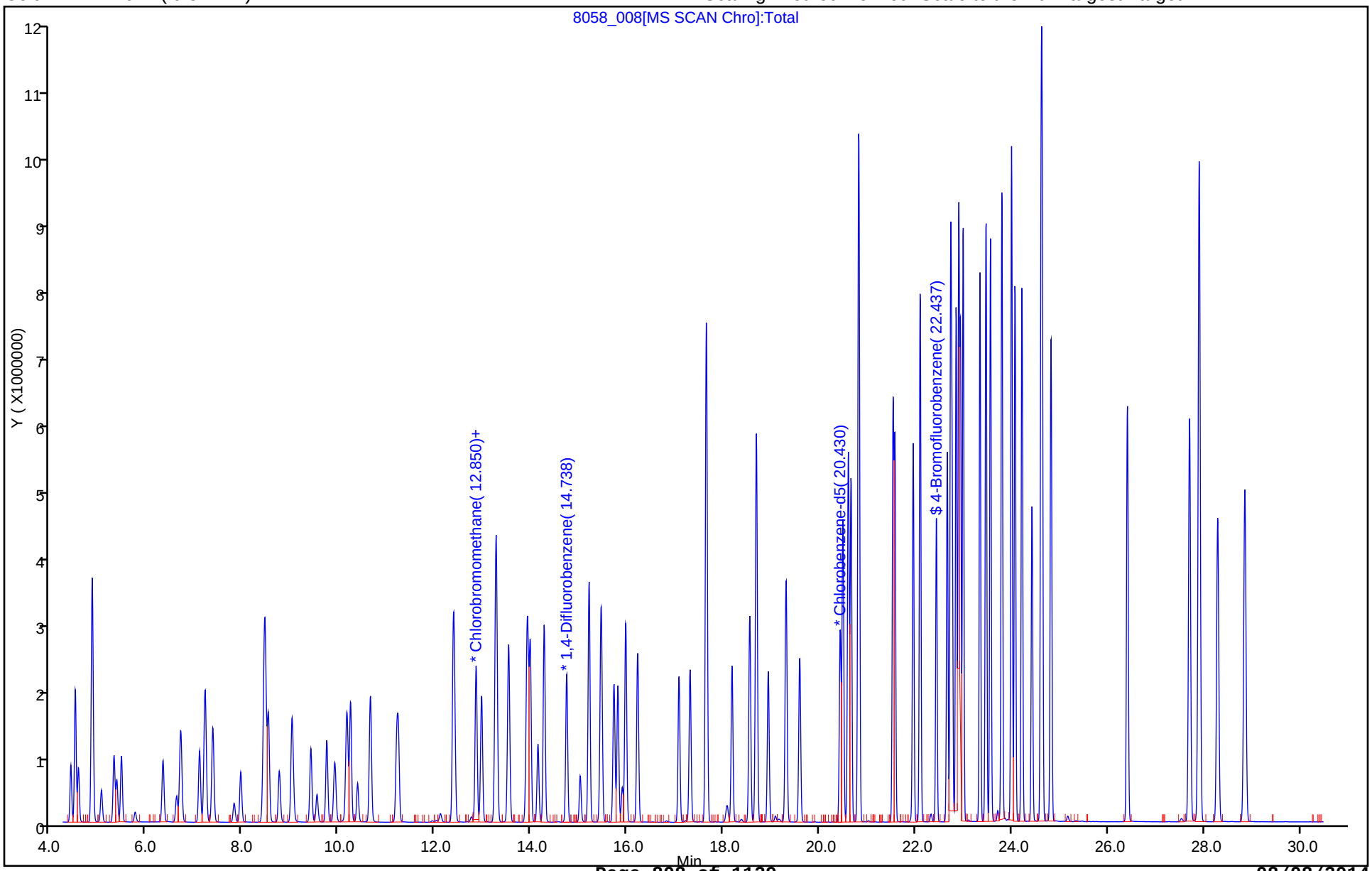
Report Date: 16-Jun-2014 10:40:43 Chrom Revision: 2.2 16-May-2014 10:46:48

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140613-8058.b\8058_008.d

Injection Date:	14-Jun-2014 12:16:30	Instrument ID:	CHW.i	Operator ID:	PAD
Lims ID:	IC			Worklist Smp#:	8
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\20140613-8058.b\8058_009.d
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 14-Jun-2014 13:06:30 ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0008058-009
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\20140613-8058.b\TO15_LLNJ_TO3_W_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 16-Jun-2014 10:40:44 Calib Date: 15-Jun-2014 00:33:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20140613-8058.b\8058_017.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK030

First Level Reviewer: daiglep Date: 16-Jun-2014 10:00:13

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	4.413	4.419	-0.006	98	951503	20.0	18.7	
2 Dichlorodifluoromethane	85	4.510	4.515	-0.005	88	4061763	20.0	20.0	
6 Chlorodifluoromethane	51	4.574	4.579	-0.005	76	1977624	20.0	19.5	
7 1,2-Dichloro-1,1,2,2-tetra	85	4.857	4.863	-0.006	85	3999205	20.0	19.7	
8 Chloromethane	50	5.055	5.061	-0.006	88	1166980	20.0	19.5	
9 Butane	43	5.317	5.323	-0.006	98	1955904	20.0	19.7	
10 Vinyl chloride	62	5.371	5.376	-0.005	81	1500404	20.0	20.2	
11 Butadiene	54	5.472	5.478	-0.006	92	1080934	20.0	20.4	
12 Bromomethane	94	6.334	6.339	-0.005	99	1465810	20.0	19.6	
13 BFB									
14 Chloroethane	64	6.617	6.623	-0.006	96	837573	20.0	19.9	
15 2-Methylbutane	43	6.703	6.708	-0.005	91	1444837	20.0	18.3	
16 Vinyl bromide	106	7.093	7.099	-0.006	99	1888632	20.0	20.6	
17 Trichlorofluoromethane	101	7.211	7.217	-0.006	86	4478206	20.0	20.0	
18 Pentane	43	7.372	7.377	-0.005	96	2205967	20.0	19.5	
19 Ethanol	45	7.832	7.832	0.000	99	1057254	40.0	36.7	
21 Ethyl ether	59	7.960	7.960	0.000	93	1017137	20.0	20.1	
22 Acrolein	56	8.420	8.426	-0.006	95	466890	20.0	21.7	
23 1,1,2-Trichloro-1,2,2-trif	101	8.452	8.458	-0.006	92	3460270	20.0	20.2	
24 1,1-Dichloroethene	96	8.533	8.533	-0.001	83	1717262	20.0	20.4	
25 Acetone	43	8.763	8.763	0.000	90	2026274	20.0	19.2	
26 Carbon disulfide	76	9.014	9.019	-0.005	98	4047890	20.0	19.3	
27 Isopropyl alcohol	45	9.062	9.057	0.005	99	1734629	20.0	19.4	
29 3-Chloro-1-propene	41	9.415	9.415	0.000	89	1602291	20.0	19.9	
30 Acetonitrile	41	9.544	9.549	-0.005	100	890921	20.0	19.8	
31 Methylene Chloride	49	9.747	9.747	0.000	79	1402836	20.0	19.3	
32 2-Methyl-2-propanol	59	9.934	9.929	0.005	99	2616375	20.0	20.3	
33 Methyl tert-butyl ether	73	10.170	10.170	0.000	96	4597376	20.0	20.5	
S 41 1,2-Dichloroethene, Total	61				0		40.0	40.3	
34 trans-1,2-Dichloroethene	61	10.239	10.244	-0.005	79	2014404	20.0	20.0	

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	10.389	10.394	-0.005	95	1001401	20.0	20.4	
36 Hexane	57	10.651	10.656	-0.005	88	2252142	20.0	18.4	
37 1,1-Dichloroethane	63	11.202	11.202	0.000	94	2677573	20.0	20.1	
38 Vinyl acetate	43	11.245	11.240	0.005	99	3303385	20.0	20.2	
39 cis-1,2-Dichloroethene	96	12.379	12.379	0.000	90	1922125	20.0	20.3	
40 2-Butanone (MEK)	72	12.395	12.390	0.005	99	851760	20.0	19.1	
42 Ethyl acetate	88	12.416	12.416	0.000	98	158528	20.0	21.1	
44 Tetrahydrofuran	42	12.855	12.855	0.000	89	1422715	20.0	20.0	
* 43 Chlorobromomethane	128	12.860	12.860	0.000	79	692916	10.0	10.0	
45 Chloroform	83	12.973	12.967	0.006	93	3320360	20.0	20.1	
46 Cyclohexane	84	13.262	13.267	-0.005	84	2530869	20.0	20.4	
47 1,1,1-Trichloroethane	97	13.278	13.278	0.000	92	3634554	20.0	20.5	
48 Carbon tetrachloride	117	13.534	13.535	-0.001	89	4012020	20.0	20.7	
51 Isooctane	57	13.925	13.920	0.005	99	7351362	20.0	19.8	
50 Benzene	78	13.984	13.984	0.000	92	5240982	20.0	19.9	
52 1,2-Dichloroethane	62	14.144	14.144	0.000	91	1938565	20.0	20.0	
53 n-Heptane	43	14.273	14.273	0.000	85	2404421	20.0	17.9	
* 54 1,4-Difluorobenzene	114	14.744	14.744	0.000	92	3350769	10.0	10.0	
A 57 GRO	1	14.776	(6.698-22.853)		0	663391564	20.0	0	
55 n-Butanol	56	15.027	15.027	0.000	83	835337	20.0	19.8	
56 Trichloroethene	95	15.209	15.209	0.000	88	2472001	20.0	20.1	
58 1,2-Dichloropropane	63	15.728	15.723	0.005	93	1820493	20.0	20.2	
59 Methyl methacrylate	69	15.808	15.808	0.000	79	1872071	20.0	21.0	
60 1,4-Dioxane	88	15.904	15.899	0.005	85	901913	20.0	19.9	
61 Dibromomethane	174	15.969	15.969	0.000	86	3134433	20.0	21.5	
62 Dichlorobromomethane	83	16.220	16.215	0.005	94	3684023	20.0	21.0	
A 63 TVOC as Toluene	92	16.637	(4.409-28.866)		0	1152666928	20.0	4840.7	
64 cis-1,3-Dichloropropene	75	17.081	17.076	0.005	82	2903522	20.0	21.5	
65 4-Methyl-2-pentanone (MIBK	43	17.311	17.311	0.000	92	3076004	20.0	19.9	
69 n-Octane	43	17.643	17.643	0.000	84	3015372	20.0	17.4	
A 68 C8 Range	1	17.643	(17.593-17.693)		0	28283497	NC	NC	
66 Toluene	92	17.654	17.648	0.006	94	4054395	20.0	18.7	
A 67 Toluene Range	92	17.648	(17.608-17.688)		0	28283497	20.0	130.4	
70 trans-1,3-Dichloropropene	75	18.183	18.183	0.000	91	2938865	20.0	21.9	
71 1,1,2-Trichloroethane	83	18.553	18.553	-0.001	92	1909935	20.0	20.4	
72 Tetrachloroethene	166	18.692	18.686	0.006	88	4725517	20.0	21.0	
73 2-Hexanone	43	18.938	18.932	0.006	91	2937185	20.0	20.0	
74 Chlorodibromomethane	129	19.307	19.307	0.000	96	4821729	20.0	22.3	
75 Ethylene Dibromide	107	19.590	19.590	0.000	99	3875155	20.0	21.2	
S 82 Xylenes, Total	106				0		60.0	61.3	
* 76 Chlorobenzene-d5	117	20.436	20.430	0.006	80	3053022	10.0	10.0	
77 Chlorobenzene	112	20.489	20.489	0.000	98	6143539	20.0	20.5	
78 Ethylbenzene	91	20.601	20.601	0.000	94	8674873	20.0	20.1	
79 n-Nonane	57	20.660	20.655	0.005	82	3458850	20.0	18.9	
80 m-Xylene & p-Xylene	106	20.821	20.821	0.000	96	7451684	40.0	40.4	
83 o-Xylene	106	21.538	21.532	0.006	97	3923558	20.0	20.8	
84 Styrene	104	21.575	21.570	0.005	98	5737755	20.0	21.0	
85 Bromoform	173	21.955	21.950	0.005	98	5452167	20.0	23.5	
86 Isopropylbenzene	105	22.099	22.094	0.005	94	10356587	20.0	20.1	
$ 87 4-Bromofluorobenzene	95	22.436	22.436	0.000	97	2009070	NC	NC	
88 1,1,2,2-Tetrachloroethane	83	22.661	22.661	0.000	91	4823035	20.0	20.4	
90 N-Propylbenzene	91	22.731	22.731	0.000	97	11296326	20.0	19.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
89 1,2,3-Trichloropropane	75	22.763	22.763	0.000	86	3689873	20.0	20.2	
93 n-Decane	57	22.843	22.843	0.000	81	4398332	20.0	19.6	
91 4-Ethyltoluene	105	22.896	22.897	-0.001	93	10307652	20.0	20.1	
92 2-Chlorotoluene	91	22.934	22.934	0.000	90	8415712	20.0	20.1	
94 1,3,5-Trimethylbenzene	105	22.993	22.987	0.006	87	8867452	20.0	20.3	
95 Alpha Methyl Styrene	118	23.340	23.341	-0.001	90	3925078	20.0	17.7	
96 tert-Butylbenzene	119	23.469	23.469	0.000	92	9154073	20.0	20.3	
97 1,2,4-Trimethylbenzene	105	23.560	23.560	0.000	95	8982477	20.0	20.4	
98 sec-Butylbenzene	105	23.795	23.795	0.000	96	12402136	20.0	19.8	
99 4-Isopropyltoluene	119	23.999	23.999	-0.001	91	11268593	20.0	20.2	
100 1,3-Dichlorobenzene	146	24.068	24.068	0.000	97	7372882	20.0	21.7	
101 1,4-Dichlorobenzene	146	24.212	24.213	-0.001	96	7317633	20.0	22.0	
102 Benzyl chloride	91	24.421	24.421	0.000	99	6942988	20.0	25.0	
104 Undecane	57	24.608	24.608	0.000	89	4325990	20.0	19.0	
103 n-Butylbenzene	91	24.635	24.635	0.000	97	8834923	20.0	19.7	
105 1,2-Dichlorobenzene	146	24.817	24.817	0.000	98	7063418	20.0	21.3	
106 Dodecane	57	26.411	26.406	0.005	91	3909122	20.0	19.0	
107 1,2,4-Trichlorobenzene	180	27.706	27.706	0.000	92	5843441	20.0	21.7	
108 Hexachlorobutadiene	225	27.904	27.904	0.000	95	5927691	20.0	21.1	
109 Naphthalene	128	28.289	28.289	0.000	99	10505873	20.0	20.3	
110 1,2,3-Trichlorobenzene	180	28.856	28.856	0.000	94	5288687	20.0	21.6	

QC Flag Legend

Processing Flags
NC - Not Calibrated

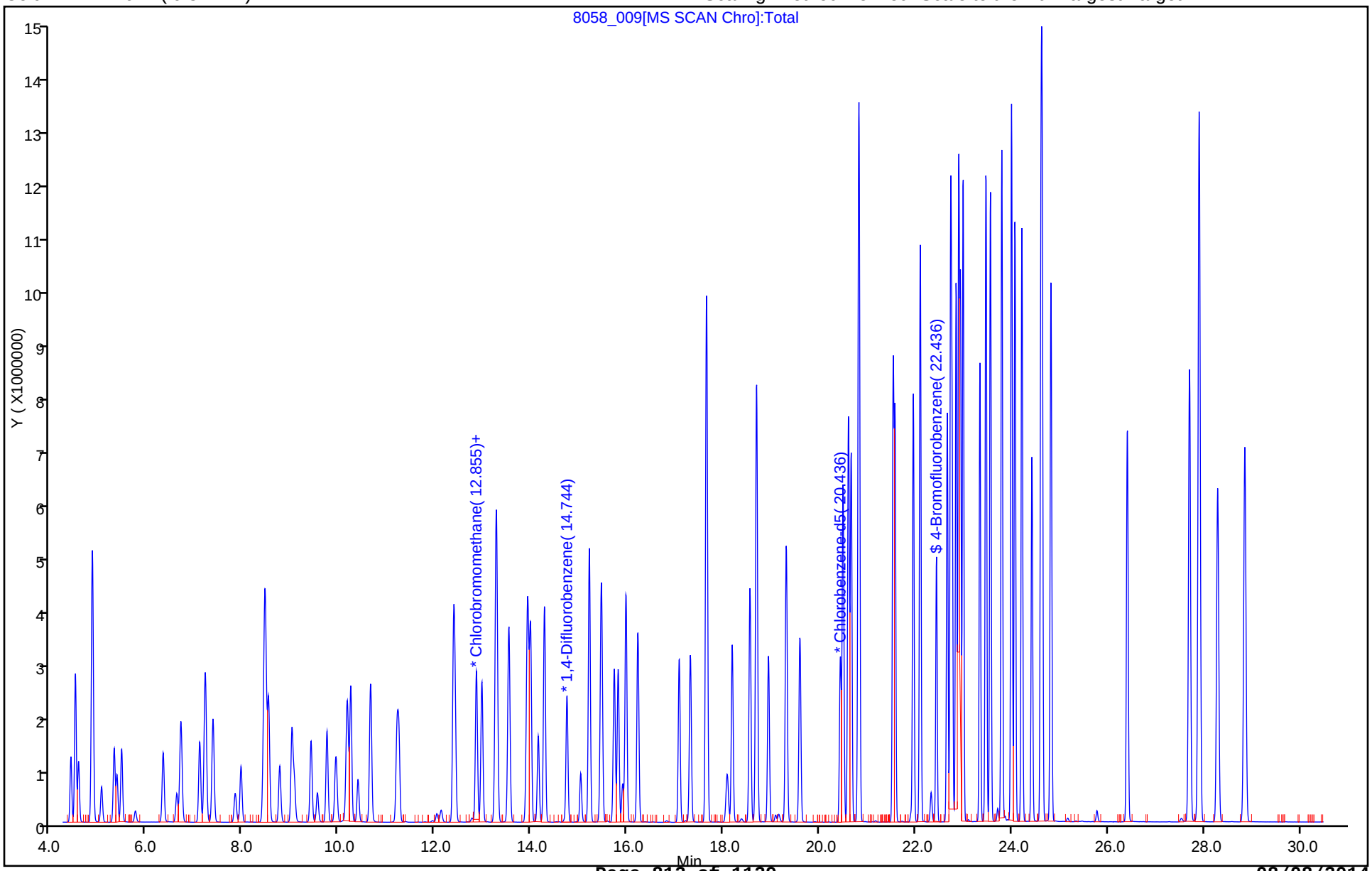
Report Date: 16-Jun-2014 10:40:44 Chrom Revision: 2.2 16-May-2014 10:46:48

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140613-8058.b\8058_009.d

Injection Date:	14-Jun-2014 13:06:30	Instrument ID:	CHW.i	Operator ID:	PAD
Lims ID:	IC			Worklist Smp#:	9
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



TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140613-8058.b\8058_010.d
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 14-Jun-2014 13:56:30 ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0008058-010
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\20140613-8058.b\TO15_LLNJ_TO3_W_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 16-Jun-2014 10:40:45 Calib Date: 15-Jun-2014 00:33:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20140613-8058.b\8058_017.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK030

First Level Reviewer: daiglep Date: 16-Jun-2014 10:01:21

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	4.408	4.419	-0.011	99	1771444	40.0	33.4	
2 Dichlorodifluoromethane	85	4.504	4.515	-0.011	87	7608629	40.0	36.1	
6 Chlorodifluoromethane	51	4.568	4.579	-0.011	76	3737410	40.0	35.4	
7 1,2-Dichloro-1,1,2,2-tetra	85	4.857	4.863	-0.006	83	7449174	40.0	35.3	
8 Chloromethane	50	5.050	5.061	-0.011	88	2247763	40.0	36.0	
9 Butane	43	5.312	5.323	-0.011	98	3587962	40.0	34.7	
10 Vinyl chloride	62	5.371	5.376	-0.005	81	2850110	40.0	36.8	
11 Butadiene	54	5.467	5.478	-0.011	92	2009737	40.0	36.5	
12 Bromomethane	94	6.334	6.339	-0.005	99	2763377	40.0	35.5	
13 BFB									
14 Chloroethane	64	6.612	6.623	-0.011	96	1664221	40.0	38.0	
15 2-Methylbutane	43	6.698	6.708	-0.010	91	2757769	40.0	33.6	
16 Vinyl bromide	106	7.093	7.099	-0.006	99	3680703	40.0	38.6	
17 Trichlorofluoromethane	101	7.211	7.217	-0.006	86	8531996	40.0	36.7	
18 Pentane	43	7.366	7.377	-0.011	96	4126826	40.0	35.0	
19 Ethanol	45	7.832	7.832	0.000	99	2329022	100.0	77.7	
21 Ethyl ether	59	7.949	7.960	-0.011	92	1961106	40.0	37.2	
22 Acrolein	56	8.415	8.426	-0.011	96	823251	40.0	36.7	
23 1,1,2-Trichloro-1,2,2-trif	101	8.452	8.458	-0.006	91	6592500	40.0	37.0	
24 1,1-Dichloroethene	96	8.527	8.533	-0.006	83	3351521	40.0	38.3	
25 Acetone	43	8.757	8.763	-0.006	90	3381803	40.0	30.7	
26 Carbon disulfide	76	9.014	9.019	-0.005	98	7720723	40.0	35.4	
27 Isopropyl alcohol	45	9.057	9.057	0.000	98	3159644	40.0	34.0	
29 3-Chloro-1-propene	41	9.410	9.415	-0.005	88	3020811	40.0	36.0	
30 Acetonitrile	41	9.544	9.549	-0.005	100	1671451	40.0	35.6	
31 Methylene Chloride	49	9.742	9.747	-0.005	78	2633913	40.0	34.9	
32 2-Methyl-2-propanol	59	9.929	9.929	0.000	99	4872730	40.0	36.3	
33 Methyl tert-butyl ether	73	10.164	10.170	-0.006	95	8803355	40.0	37.7	
S 41 1,2-Dichloroethene, Total	61				0		80.0	73.9	
34 trans-1,2-Dichloroethene	61	10.239	10.244	-0.005	77	3841124	40.0	36.6	

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	10.389	10.394	-0.005	96	1928594	40.0	37.8	
36 Hexane	57	10.651	10.656	-0.005	87	4239416	40.0	33.3	
37 1,1-Dichloroethane	63	11.202	11.202	0.000	94	5048951	40.0	36.4	
38 Vinyl acetate	43	11.239	11.240	-0.001	99	6139398	40.0	36.1	
39 cis-1,2-Dichloroethene	96	12.374	12.379	-0.005	90	3664569	40.0	37.3	
40 2-Butanone (MEK)	72	12.390	12.390	0.000	100	1551517	40.0	33.4	
42 Ethyl acetate	88	12.416	12.416	0.000	98	305628	40.0	39.1	
44 Tetrahydrofuran	42	12.850	12.855	-0.005	87	2674556	40.0	37.1	
* 43 Chlorobromomethane	128	12.860	12.860	0.000	69	721174	10.0	10.0	
45 Chloroform	83	12.967	12.967	0.000	93	6343073	40.0	36.9	
46 Cyclohexane	84	13.262	13.267	-0.005	83	4697055	40.0	37.3	
47 1,1,1-Trichloroethane	97	13.278	13.278	0.000	92	6873978	40.0	38.3	
48 Carbon tetrachloride	117	13.529	13.535	-0.006	90	8010150	40.0	40.7	
51 Isooctane	57	13.925	13.920	0.005	98	13192719	40.0	34.9	
50 Benzene	78	13.984	13.984	0.000	94	9720994	40.0	36.4	
52 1,2-Dichloroethane	62	14.144	14.144	0.000	91	3704274	40.0	37.6	
53 n-Heptane	43	14.273	14.273	0.000	83	4302203	40.0	31.5	
* 54 1,4-Difluorobenzene	114	14.738	14.744	-0.006	92	3400730	10.0	10.0	
A 57 GRO	1	14.776	(6.698-22.853)		0	1210764662	40.0	0	
55 n-Butanol	56	15.027	15.027	0.000	82	1639585	40.0	38.4	
56 Trichloroethene	95	15.209	15.209	0.000	88	4703106	40.0	37.6	
58 1,2-Dichloropropane	63	15.728	15.723	0.005	92	3465686	40.0	37.8	
59 Methyl methacrylate	69	15.808	15.808	0.000	78	3602894	40.0	39.9	
60 1,4-Dioxane	88	15.899	15.899	0.000	84	1657574	40.0	36.0	
61 Dibromomethane	174	15.969	15.969	0.000	85	6160960	40.0	41.6	
62 Dichlorobromomethane	83	16.220	16.215	0.005	94	6999443	40.0	39.3	
A 63 TVOC as Toluene	92	16.637	(4.409-28.866)		0	2089349569	40.0	8645.4	
64 cis-1,3-Dichloropropene	75	17.081	17.076	0.005	82	5578997	40.0	40.7	
65 4-Methyl-2-pentanone (MIBK	43	17.311	17.311	0.000	90	5592620	40.0	35.7	
69 n-Octane	43	17.643	17.643	0.000	81	4809017	40.0	27.4	
A 68 C8 Range	1	17.643	(17.593-17.693)		0	48119062	NC	NC	
66 Toluene	92	17.654	17.648	0.006	95	7043017	40.0	32.0	
A 67 Toluene Range	92	17.648	(17.608-17.688)		0	48119062	40.0	218.9	
70 trans-1,3-Dichloropropene	75	18.183	18.183	0.000	90	5644203	40.0	41.4	
71 1,1,2-Trichloroethane	83	18.552	18.553	-0.001	91	3639849	40.0	38.4	
72 Tetrachloroethene	166	18.692	18.686	0.006	88	8974952	40.0	39.4	
73 2-Hexanone	43	18.938	18.932	0.006	90	5340909	40.0	35.8	
74 Chlorodibromomethane	129	19.307	19.307	0.000	95	9173337	40.0	42.0	
75 Ethylene Dibromide	107	19.590	19.590	0.000	99	7336033	40.0	39.6	
S 82 Xylenes, Total	106				0		120.0	102.0	
* 76 Chlorobenzene-d5	117	20.436	20.430	0.006	75	3093600	10.0	10.0	
77 Chlorobenzene	112	20.489	20.489	0.000	97	11284649	40.0	37.1	
78 Ethylbenzene	91	20.607	20.601	0.006	93	15165124	40.0	34.7	
79 n-Nonane	57	20.660	20.655	0.005	79	5873494	40.0	31.6	
80 m-Xylene & p-Xylene	106	20.821	20.821	0.000	94	12208966	80.0	65.3	
83 o-Xylene	106	21.538	21.532	0.006	97	6997225	40.0	36.7	
84 Styrene	104	21.575	21.570	0.005	96	10494982	40.0	37.9	
85 Bromoform	173	21.955	21.950	0.005	96	10083003	40.0	43.0	
86 Isopropylbenzene	105	22.099	22.094	0.005	94	17080367	40.0	32.8	
$ 87 4-Bromofluorobenzene	95	22.436	22.436	0.000	97	2039606	NC	NC	
88 1,1,2,2-Tetrachloroethane	83	22.661	22.661	0.000	90	8518880	40.0	35.5	
90 N-Propylbenzene	91	22.731	22.731	0.000	94	17592520	40.0	30.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
89 1,2,3-Trichloropropane	75	22.763	22.763	0.000	84	6356239	40.0	34.4	
93 n-Decane	57	22.848	22.843	0.005	79	7086822	40.0	31.2	
91 4-Ethyltoluene	105	22.902	22.897	0.005	86	16411245	40.0	31.6	
92 2-Chlorotoluene	91	22.939	22.934	0.005	94	14360093	40.0	33.8	
94 1,3,5-Trimethylbenzene	105	22.993	22.987	0.006	88	14795627	40.0	33.4	
95 Alpha Methyl Styrene	118	23.340	23.341	-0.001	89	9423340	40.0	42.0	
96 tert-Butylbenzene	119	23.469	23.469	0.000	89	15413556	40.0	33.8	
97 1,2,4-Trimethylbenzene	105	23.560	23.560	0.000	94	15069740	40.0	33.8	
98 sec-Butylbenzene	105	23.801	23.795	0.006	93	19634253	40.0	30.9	
99 4-Isopropyltoluene	119	23.998	23.999	-0.001	89	18124664	40.0	32.1	
100 1,3-Dichlorobenzene	146	24.073	24.068	0.005	97	12980976	40.0	37.6	
101 1,4-Dichlorobenzene	146	24.218	24.213	0.005	94	13010045	40.0	38.6	
102 Benzyl chloride	91	24.426	24.421	0.005	98	12807793	40.0	45.4	
104 Undecane	57	24.608	24.608	0.000	87	6609261	40.0	28.6	
103 n-Butylbenzene	91	24.640	24.635	0.005	95	13667013	40.0	30.0	
105 1,2-Dichlorobenzene	146	24.822	24.817	0.005	96	12754739	40.0	37.9	
106 Dodecane	57	26.411	26.406	0.005	91	4494545	40.0	21.6	
107 1,2,4-Trichlorobenzene	180	27.706	27.706	0.000	92	11463036	40.0	42.0	
108 Hexachlorobutadiene	225	27.909	27.904	0.005	94	11719000	40.0	41.2	
109 Naphthalene	128	28.294	28.289	0.005	98	20124744	40.0	38.4	
110 1,2,3-Trichlorobenzene	180	28.856	28.856	0.000	94	10155190	40.0	40.8	

QC Flag Legend

Processing Flags
NC - Not Calibrated

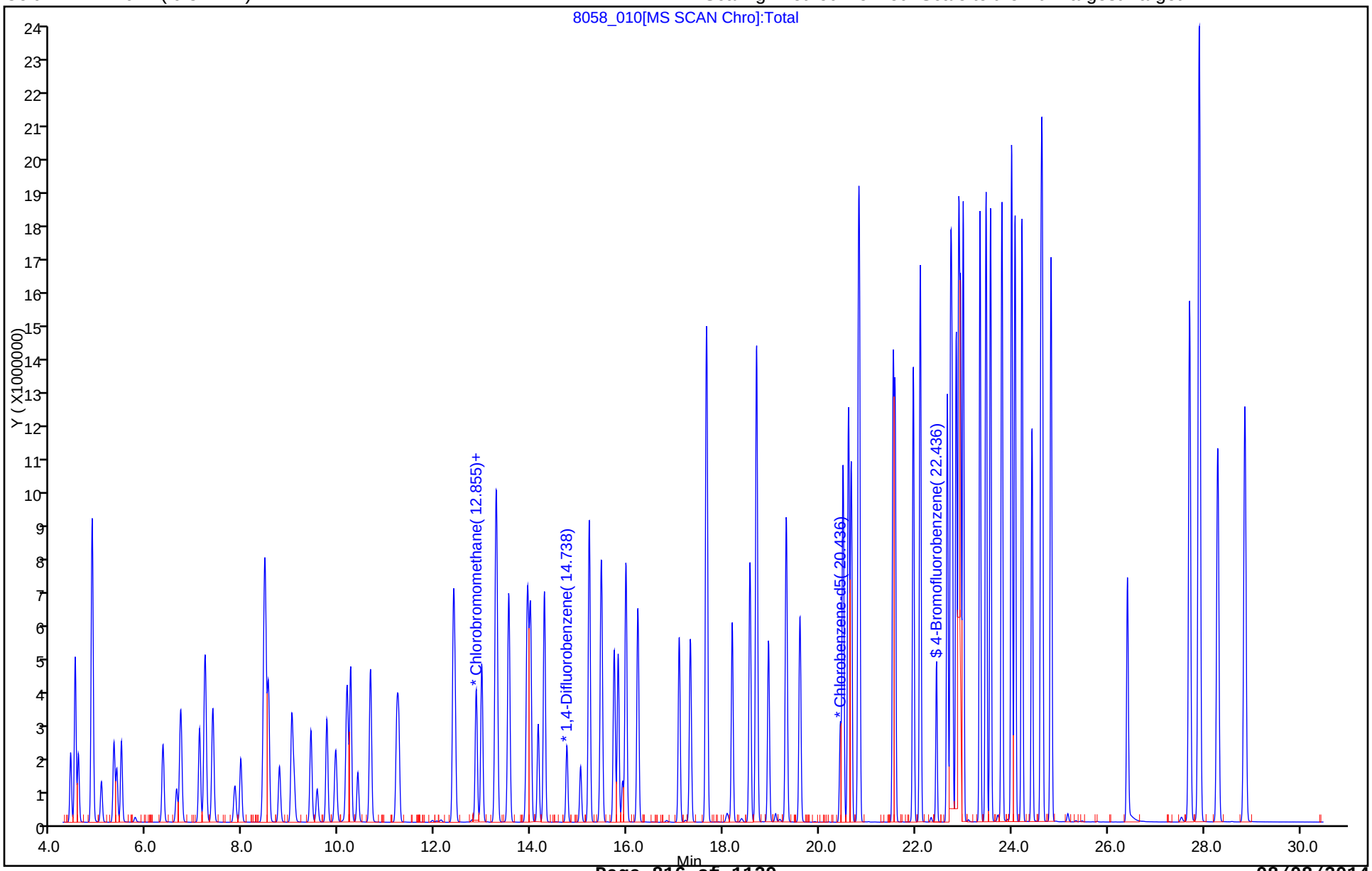
Report Date: 16-Jun-2014 10:40:46 Chrom Revision: 2.2 16-May-2014 10:46:48

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140613-8058.b\8058_010.d

Injection Date:	14-Jun-2014 13:56:30	Instrument ID:	CHW.i	Operator ID:	PAD
Lims ID:	IC			Worklist Smp#:	10
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	9
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\20140613-8058.b\8058_016.d
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 14-Jun-2014 23:41:30 ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0008058-016
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\20140613-8058.b\TO15_LLNJ_TO3_W_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 16-Jun-2014 10:40:57 Calib Date: 15-Jun-2014 00:33:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20140613-8058.b\8058_017.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK030

First Level Reviewer: daiglep Date: 16-Jun-2014 09:53:40

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	4.424	4.419	0.005	86	5215	0.0401	0.1052	
2 Dichlorodifluoromethane	85	4.510	4.515	-0.005	85	8868	0.0401	0.0450	
6 Chlorodifluoromethane	51	4.579	4.579	0.000	50	6440	0.0401	0.0653	
7 1,2-Dichloro-1,1,2,2-tetra	85	4.863	4.863	0.000	76	8523	0.0401	0.0432	
8 Chloromethane	50	5.061	5.061	0.000	40	2127	0.0401	0.0364	
9 Butane	43	5.307	5.323	-0.016	79	8577	0.0401	0.0887	
10 Vinyl chloride	62	5.376	5.376	0.000	27	2909	0.0401	0.0401	
11 Butadiene	54	5.462	5.478	-0.016	66	2302	0.0401	0.0447	
12 Bromomethane	94	6.339	6.339	0.000	86	3965	0.0401	0.0544	
13 BFB									
14 Chloroethane	64	6.612	6.623	-0.011	54	1816	0.0401	0.0444	
15 2-Methylbutane	43	6.698	6.708	-0.010	67	4664	0.0401	0.0608	
16 Vinyl bromide	106	7.104	7.099	0.005	68	4079	0.0401	0.0457	
17 Trichlorofluoromethane	101	7.211	7.217	-0.006	64	8846	0.0401	0.0406	
18 Pentane	43	7.377	7.377	0.000	84	8954	0.0401	0.0813	
19 Ethanol	45	7.826	7.832	-0.006	76	1070	0.0802	0.0382	
21 Ethyl ether	59	7.976	7.960	0.016	78	1203	0.0401	0.0244	
22 Acrolein	56	8.452	8.426	0.026	1	2963	0.0401	0.1413	
23 1,1,2-Trichloro-1,2,2-trif	101	8.458	8.458	0.000	74	6888	0.0401	0.0413	
24 1,1-Dichloroethene	96	8.527	8.533	-0.006	43	3455	0.0401	0.0422	
25 Acetone	43	8.779	8.763	0.016	89	53117	0.0401	0.5159	
26 Carbon disulfide	76	9.019	9.019	0.000	89	13095	0.0401	0.0642	
27 Isopropyl alcohol	45	9.068	9.057	0.011	90	17919	0.0401	0.2064	
29 3-Chloro-1-propene	41	9.410	9.415	-0.005	51	2662	0.0401	0.0339	
30 Acetonitrile	41	9.565	9.549	0.016	97	3726	0.0401	0.0849	
31 Methylene Chloride	49	9.736	9.747	-0.011	67	6997	0.0401	0.0991	
32 2-Methyl-2-propanol	59	9.934	9.929	0.005	76	6198	0.0401	0.0494	
33 Methyl tert-butyl ether	73	10.186	10.170	0.016	81	8657	0.0401	0.0396	
S 41 1,2-Dichloroethene, Total	61				0		0.0802	0.0662	
34 trans-1,2-Dichloroethene	61	10.239	10.244	-0.005	46	3806	0.0401	0.0388	

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	10.389	10.394	-0.005	71	854	0.0401	0.0179	
36 Hexane	57	10.646	10.656	-0.010	77	7705	0.0401	0.0648	
37 1,1-Dichloroethane	63	11.191	11.202	-0.011	16	5169	0.0401	0.0398	
38 Vinyl acetate	43	11.245	11.240	0.005	84	6651	0.0401	0.0418	
39 cis-1,2-Dichloroethene	96	12.379	12.379	0.000	61	2518	0.0401	0.0274	
40 2-Butanone (MEK)	72	12.406	12.390	0.016	91	4824	0.0401	0.1110	
42 Ethyl acetate	88	12.411	12.416	-0.005	72	58	0.0401	0.007943	
44 Tetrahydrofuran	42	12.882	12.855	0.027	28	3860	0.0401	0.0548	
* 43 Chlorobromomethane	128	12.855	12.860	-0.005	73	674539	10.0	10.0	
45 Chloroform	83	12.962	12.967	-0.005	56	4668	0.0401	0.0291	
46 Cyclohexane	84	13.267	13.267	0.000	69	3393	0.0401	0.0276	
47 1,1,1-Trichloroethane	97	13.278	13.278	0.000	66	6554	0.0401	0.0374	
48 Carbon tetrachloride	117	13.529	13.535	-0.006	74	7713	0.0401	0.0401	
51 Isooctane	57	13.920	13.920	0.000	94	15910	0.0401	0.0432	
50 Benzene	78	13.979	13.984	-0.005	75	14050	0.0401	0.0540	
52 1,2-Dichloroethane	62	14.144	14.144	0.000	57	3981	0.0401	0.0414	
53 n-Heptane	43	14.262	14.273	-0.011	75	5562	0.0401	0.0418	
* 54 1,4-Difluorobenzene	114	14.733	14.744	-0.011	92	3318433	10.0	10.0	
A 57 GRO	1	14.776	(6.698-22.853)		0	4257532	0.0401	0	
55 n-Butanol	56	15.038	15.027	0.011	65	4709	0.0401	0.1129	
56 Trichloroethene	95	15.204	15.209	-0.005	67	5503	0.0401	0.0451	M
58 1,2-Dichloropropane	63	15.723	15.723	0.000	63	3667	0.0401	0.0410	
59 Methyl methacrylate	69	15.808	15.808	0.000	73	3906	0.0401	0.0443	
60 1,4-Dioxane	88	15.915	15.899	0.016	63	5823	0.0401	0.1295	
61 Dibromomethane	174	15.969	15.969	0.000	74	6888	0.0401	0.0476	
62 Dichlorobromomethane	83	16.209	16.215	-0.006	74	6566	0.0401	0.0378	
A 63 TVOC as Toluene	92	16.637	(4.409-28.866)		0	6087392	0.0401	25.8	
64 cis-1,3-Dichloropropene	75	17.076	17.076	0.000	51	5029	0.0401	0.0376	
65 4-Methyl-2-pentanone (MIBK	43	17.317	17.311	0.006	74	6168	0.0401	0.0403	
69 n-Octane	43	17.643	17.643	0.000	77	11485	0.0401	0.0671	
A 68 C8 Range	1	17.643	(17.593-17.693)		0	90055	NC	NC	
66 Toluene	92	17.643	17.648	-0.005	80	11282	0.0401	0.0539	
A 67 Toluene Range	92	17.648	(17.608-17.688)		0	90055	0.0401	0.4301	
70 trans-1,3-Dichloropropene	75	18.173	18.183	-0.010	56	4709	0.0401	0.0354	
71 1,1,2-Trichloroethane	83		18.553					ND	
72 Tetrachloroethene	166	18.686	18.686	0.000	82	9162	0.0401	0.0422	
73 2-Hexanone	43	18.943	18.932	0.011	77	6364	0.0401	0.0448	
74 Chlorodibromomethane	129	19.302	19.307	-0.005	66	7388	0.0401	0.0355	
75 Ethylene Dibromide	107	19.596	19.590	0.006	75	7559	0.0401	0.0428	
S 82 Xylenes, Total	106				0		0.1203	0.1372	
* 76 Chlorobenzene-d5	117	20.430	20.430	0.000	80	2946392	10.0	10.0	
77 Chlorobenzene	112	20.489	20.489	0.000	53	13978	0.0401	0.0483	
78 Ethylbenzene	91	20.601	20.601	0.000	72	19856	0.0401	0.0477	
79 n-Nonane	57	20.655	20.655	0.000	80	11387	0.0401	0.0643	
80 m-Xylene & p-Xylene	106	20.821	20.821	0.000	99	16530	0.0802	0.0929	
83 o-Xylene	106	21.532	21.532	0.000	74	8059	0.0401	0.0443	
84 Styrene	104	21.570	21.570	0.000	87	10518	0.0401	0.0399	
85 Bromoform	173	21.955	21.950	0.005	90	8051	0.0401	0.0360	
86 Isopropylbenzene	105	22.099	22.094	0.005	78	22116	0.0401	0.0445	
$ 87 4-Bromofluorobenzene	95	22.431	22.436	-0.005	97	1870631	NC	NC	
88 1,1,2,2-Tetrachloroethane	83	22.661	22.661	0.000	82	12332	0.0401	0.0540	
90 N-Propylbenzene	91	22.725	22.731	-0.006	95	30692	0.0401	0.0554	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
89 1,2,3-Trichloropropane	75	22.757	22.763	-0.006	85	10444	0.0401	0.0593	
93 n-Decane	57	22.843	22.843	0.000	82	14919	0.0401	0.0691	
91 4-Ethyltoluene	105	22.897	22.897	0.000	78	28626	0.0401	0.0579	
92 2-Chlorotoluene	91	22.934	22.934	0.000	80	23490	0.0401	0.0581	
94 1,3,5-Trimethylbenzene	105	22.987	22.987	0.000	74	20171	0.0401	0.0478	
95 Alpha Methyl Styrene	118	23.335	23.341	-0.006	87	10653	0.0401	0.0499	
96 tert-Butylbenzene	119	23.464	23.469	-0.005	82	18691	0.0401	0.0430	
97 1,2,4-Trimethylbenzene	105	23.555	23.560	-0.005	85	22413	0.0401	0.0528	
98 sec-Butylbenzene	105	23.795	23.795	0.000	92	27940	0.0401	0.0462	
99 4-Isopropyltoluene	119	23.993	23.999	-0.006	77	24782	0.0401	0.0461	
100 1,3-Dichlorobenzene	146	24.063	24.068	-0.005	94	22180	0.0401	0.0675	
101 1,4-Dichlorobenzene	146	24.213	24.213	0.000	93	21769	0.0401	0.0678	
102 Benzyl chloride	91	24.416	24.421	-0.005	88	14840	0.0401	0.0553	
104 Undecane	57	24.608	24.608	0.000	86	15203	0.0401	0.0690	
103 n-Butylbenzene	91	24.635	24.635	0.000	90	29841	0.0401	0.0689	
105 1,2-Dichlorobenzene	146	24.817	24.817	0.000	94	25891	0.0401	0.0808	
106 Dodecane	57	26.406	26.406	0.000	86	13501	0.0401	0.0681	
107 1,2,4-Trichlorobenzene	180	27.706	27.706	0.000	87	41479	0.0401	0.1597	
108 Hexachlorobutadiene	225	27.898	27.904	-0.006	81	15364	0.0401	0.0567	
109 Naphthalene	128	28.289	28.289	0.000	97	61189	0.0401	0.1226	
110 1,2,3-Trichlorobenzene	180	28.851	28.856	-0.005	90	39293	0.0401	0.1659	

QC Flag Legend

Processing Flags
NC - Not Calibrated
ND - Not Detected or Marked ND

Review Flags
M - Manually Integrated

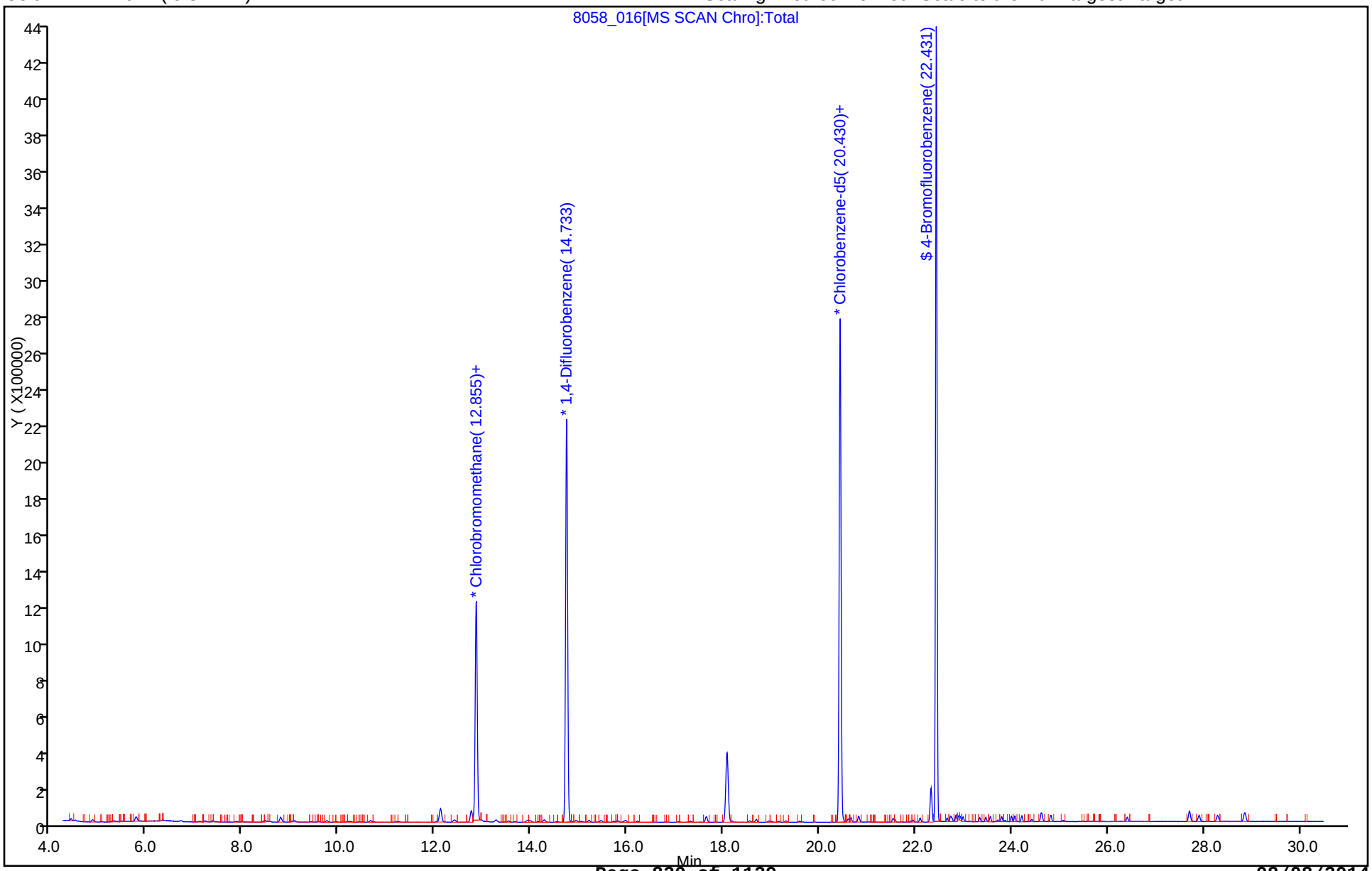
Report Date: 16-Jun-2014 10:40:57 Chrom Revision: 2.2 16-May-2014 10:46:48

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140613-8058.b\8058_016.d

Injection Date:	14-Jun-2014 23:41:30	Instrument ID:	CHW.i	Operator ID:	PAD
Lims ID:	IC			Worklist Smp#:	16
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	15
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



Manual Integration/User Assign Peak Report

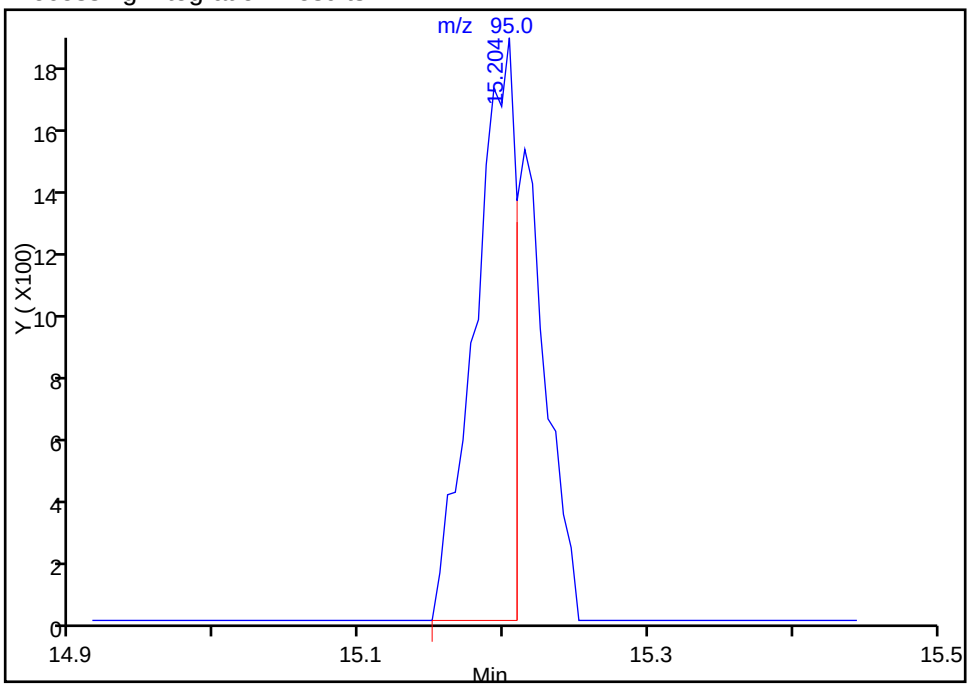
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140613-8058.b\8058_016.d
Injection Date: 14-Jun-2014 23:41:30 Instrument ID: CHW.i
Lims ID: IC
Client ID:
Operator ID: PAD ALS Bottle#: 15 Worklist Smp#: 16
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

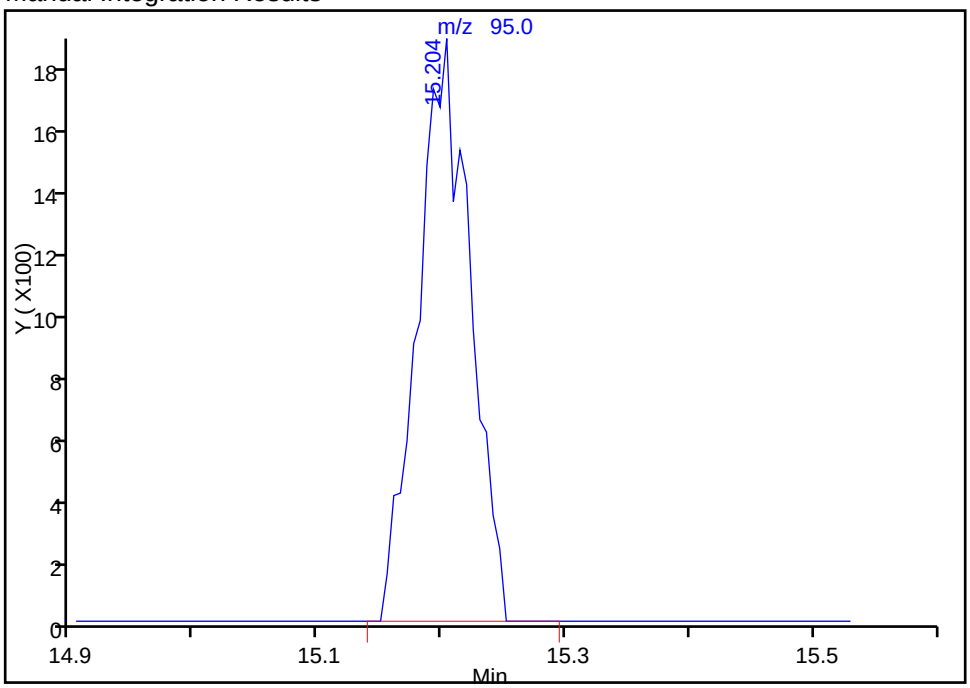
Processing Integration Results

RT: 15.20
Response: 3677
Amount: 0.031627



Manual Integration Results

RT: 15.20
Response: 5503
Amount: 0.045123



Reviewer: daiglep, 16-Jun-2014 09:53:40
Audit Action: Manually Integrated
Audit Reason: Baseline Event

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140613-8058.b\8058_017.d
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 15-Jun-2014 00:33:30 ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0008058-017
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\20140613-8058.b\TO15_LLNJ_TO3_W_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 17-Jun-2014 09:23:32 Calib Date: 15-Jun-2014 00:33:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20140613-8058.b\8058_017.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK037

First Level Reviewer: daiglep Date: 16-Jun-2014 09:54:59

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	4.419	4.419	0.000	93	15126	0.2004	0.3438	
2 Dichlorodifluoromethane	85	4.499	4.515	-0.016	86	40134	0.2004	0.2292	
6 Chlorodifluoromethane	51	4.569	4.579	-0.011	66	23149	0.2004	0.2644	
7 1,2-Dichloro-1,1,2,2-tetra	85	4.852	4.863	-0.011	88	39355	0.2004	0.2246	
8 Chloromethane	50	5.045	5.061	-0.016	82	14720	0.2004	0.2841	
9 Butane	43	5.307	5.323	-0.016	98	31995	0.2004	0.3727	
10 Vinyl chloride	62	5.371	5.376	-0.005	67	13826	0.2004	0.2149	
11 Butadiene	54	5.462	5.478	-0.016	90	9568	0.2004	0.2092	
12 Bromomethane	94	6.329	6.339	-0.010	90	15004	0.2004	0.2321	
13 BFB									
14 Chloroethane	64	6.612	6.623	-0.011	74	8470	0.2004	0.2331	
15 2-Methylbutane	43	6.703	6.708	-0.005	88	17811	0.2004	0.2617	
16 Vinyl bromide	106	7.094	7.099	-0.005	94	17540	0.2004	0.2215	
17 Trichlorofluoromethane	101	7.206	7.217	-0.011	83	43494	0.2004	0.2251	
18 Pentane	43	7.366	7.377	-0.011	96	35013	0.2004	0.3581	
19 Ethanol	45	7.821	7.832	-0.011	94	21750	0.4009	0.8736	
21 Ethyl ether	59	7.966	7.960	0.006	90	9356	0.2004	0.2138	
22 Acrolein	56	8.420	8.426	-0.006	76	9299	0.2004	0.4995	
23 1,1,2-Trichloro-1,2,2-trif	101	8.447	8.458	-0.011	92	33835	0.2004	0.2285	
24 1,1-Dichloroethene	96	8.522	8.533	-0.011	79	16097	0.2004	0.2217	
25 Acetone	43	8.763	8.763	0.000	89	151797	0.2004	1.66	
26 Carbon disulfide	76	9.009	9.019	-0.010	99	51147	0.2004	0.2826	
27 Isopropyl alcohol	45	9.041	9.057	-0.016	93	31827	0.2004	0.4129	
29 3-Chloro-1-propene	41	9.405	9.415	-0.010	86	14345	0.2004	0.2058	
30 Acetonitrile	41	9.549	9.549	0.000	97	16532	0.2004	0.4241	
31 Methylene Chloride	49	9.747	9.747	0.000	81	18228	0.2004	0.2907	
32 2-Methyl-2-propanol	59	9.908	9.929	-0.021	92	23844	0.2004	0.2142	
33 Methyl tert-butyl ether	73	10.159	10.170	-0.011	92	41521	0.2004	0.2139	
S 41 1,2-Dichloroethene, Total	61				0		0.4009	0.4406	
34 trans-1,2-Dichloroethene	61	10.234	10.244	-0.010	77	19118	0.2004	0.2194	

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	10.389	10.394	-0.005	92	8354	0.2004	0.1970	
36 Hexane	57	10.646	10.656	-0.010	85	31992	0.2004	0.3030	
37 1,1-Dichloroethane	63	11.191	11.202	-0.011	84	25071	0.2004	0.2176	
38 Vinyl acetate	43	11.234	11.240	-0.006	97	29014	0.2004	0.2056	
39 cis-1,2-Dichloroethene	96	12.374	12.379	-0.005	81	18059	0.2004	0.2212	
40 2-Butanone (MEK)	72	12.390	12.390	0.000	100	18756	0.2004	0.4862	
42 Ethyl acetate	88	12.411	12.416	-0.005	93	1524	0.2004	0.2351	
44 Tetrahydrofuran	42	12.861	12.855	0.006	50	15114	0.2004	0.2430	
* 43 Chlorobromomethane	128	12.850	12.860	-0.010	74	598838	10.0	10.0	
45 Chloroform	83	12.962	12.967	-0.005	97	31142	0.2004	0.2184	
46 Cyclohexane	84	13.256	13.267	-0.011	85	24186	0.2004	0.2225	
47 1,1,1-Trichloroethane	97	13.272	13.278	-0.006	89	33683	0.2004	0.2174	
48 Carbon tetrachloride	117	13.524	13.535	-0.011	89	35388	0.2004	0.2084	
51 Isooctane	57	13.920	13.920	0.000	97	72781	0.2004	0.2236	
50 Benzene	78	13.973	13.984	-0.011	90	53777	0.2004	0.2337	
52 1,2-Dichloroethane	62	14.139	14.144	-0.005	91	18375	0.2004	0.2163	
53 n-Heptane	43	14.268	14.273	-0.005	86	35562	0.2004	0.3025	
* 54 1,4-Difluorobenzene	114	14.733	14.744	-0.011	92	2932185	10.0	10.0	
A 57 GRO	1	14.776	(6.698-22.853)		0	11190872	0.2004	0	
55 n-Butanol	56	15.033	15.027	0.006	72	14717	0.2004	0.3995	
56 Trichloroethene	95	15.209	15.209	0.000	89	22936	0.2004	0.2128	
58 1,2-Dichloropropane	63	15.723	15.723	0.000	88	17033	0.2004	0.2157	
59 Methyl methacrylate	69	15.798	15.808	-0.010	81	15251	0.2004	0.1959	
60 1,4-Dioxane	88	15.905	15.899	0.006	80	14382	0.2004	0.3621	
61 Dibromomethane	174	15.963	15.969	-0.006	86	27649	0.2004	0.2164	
62 Dichlorobromomethane	83	16.209	16.215	-0.006	91	30880	0.2004	0.2013	
A 63 TVOC as Toluene	92	16.637	(4.409-28.866)		0	16014775	0.2004	76.9	
64 cis-1,3-Dichloropropene	75	17.076	17.076	0.000	79	22851	0.2004	0.1932	
65 4-Methyl-2-pentanone (MIBK	43	17.306	17.311	-0.005	90	27362	0.2004	0.2024	
A 68 C8 Range	1	17.643	(17.593-17.693)		0	354671	NC	NC	
69 n-Octane	43	17.643	17.643	0.000	79	43409	0.2004	0.2870	
A 67 Toluene Range	92	17.648	(17.608-17.688)		0	354671	0.2004	1.89	
66 Toluene	92	17.643	17.648	-0.005	92	46690	0.2004	0.2488	
70 trans-1,3-Dichloropropene	75	18.173	18.183	-0.010	88	21571	0.2004	0.1834	
71 1,1,2-Trichloroethane	83	18.547	18.553	-0.006	93	17536	0.2004	0.2167	
72 Tetrachloroethene	166	18.686	18.686	0.000	88	42526	0.2004	0.2188	
73 2-Hexanone	43	18.932	18.932	0.000	90	24457	0.2004	0.1921	
74 Chlorodibromomethane	129	19.302	19.307	-0.005	94	35159	0.2004	0.1884	
75 Ethylene Dibromide	107	19.585	19.590	-0.005	93	32249	0.2004	0.2039	
S 82 Xylenes, Total	106				0		0.6013	0.6558	
* 76 Chlorobenzene-d5	117	20.430	20.430	0.000	80	2640824	10.0	10.0	
77 Chlorobenzene	112	20.484	20.489	-0.005	43	57712	0.2004	0.2225	
78 Ethylbenzene	91	20.596	20.601	-0.005	95	83407	0.2004	0.2235	
79 n-Nonane	57	20.655	20.655	0.000	83	42449	0.2004	0.2676	
80 m-Xylene & p-Xylene	106	20.821	20.821	0.000	98	70917	0.4009	0.4447	
83 o-Xylene	106	21.527	21.532	-0.005	92	34397	0.2004	0.2112	
84 Styrene	104	21.570	21.570	0.000	97	42532	0.2004	0.1800	
85 Bromoform	173	21.944	21.950	-0.006	99	33576	0.2004	0.1676	
86 Isopropylbenzene	105	22.094	22.094	0.000	93	100381	0.2004	0.2256	
$ 87 4-Bromofluorobenzene	95	22.431	22.436	-0.005	97	1686620	NC	NC	
88 1,1,2,2-Tetrachloroethane	83	22.656	22.661	-0.005	90	42339	0.2004	0.2068	
90 N-Propylbenzene	91	22.731	22.731	0.000	99	112425	0.2004	0.2263	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
89 1,2,3-Trichloropropane	75	22.758	22.763	-0.005	91	35069	0.2004	0.2221	
93 n-Decane	57	22.838	22.843	-0.005	85	51638	0.2004	0.2667	
91 4-Ethyltoluene	105	22.897	22.897	0.000	85	97551	0.2004	0.2203	
92 2-Chlorotoluene	91	22.934	22.934	0.000	91	78772	0.2004	0.2175	
94 1,3,5-Trimethylbenzene	105	22.988	22.987	0.001	86	81446	0.2004	0.2154	
95 Alpha Methyl Styrene	118	23.335	23.341	-0.006	89	31387	0.2004	0.1641	
96 tert-Butylbenzene	119	23.464	23.469	-0.005	91	86788	0.2004	0.2230	
97 1,2,4-Trimethylbenzene	105	23.555	23.560	-0.005	95	80906	0.2004	0.2128	
98 sec-Butylbenzene	105	23.795	23.795	0.000	98	122936	0.2004	0.2266	
99 4-Isopropyltoluene	119	23.993	23.999	-0.006	89	104819	0.2004	0.2175	
100 1,3-Dichlorobenzene	146	24.068	24.068	0.000	98	55608	0.2004	0.1888	
101 1,4-Dichlorobenzene	146	24.213	24.213	0.000	96	52544	0.2004	0.1826	
102 Benzyl chloride	91	24.421	24.421	0.000	98	32111	0.2004	0.1335	
104 Undecane	57	24.603	24.608	-0.005	93	52531	0.2004	0.2661	
103 n-Butylbenzene	91	24.630	24.635	-0.005	97	83439	0.2004	0.2148	
105 1,2-Dichlorobenzene	146	24.817	24.817	0.000	97	56937	0.2004	0.1983	
106 Dodecane	57	26.411	26.406	0.005	93	38968	0.2004	0.2193	
107 1,2,4-Trichlorobenzene	180	27.711	27.706	0.005	84	29209	0.2004	0.1255	
108 Hexachlorobutadiene	225	27.904	27.904	0.000	90	48847	0.2004	0.2010	
109 Naphthalene	128	28.294	28.289	0.005	93	29760	0.2004	0.0666	
110 1,2,3-Trichlorobenzene	180	28.851	28.856	-0.005	87	32670	0.2004	0.1539	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

ATTO15CAL1w_00094	Amount Added: 200.00	Units: mL	
ATTO15WISs_00003	Amount Added: 20.00	Units: mL	Run Reagent

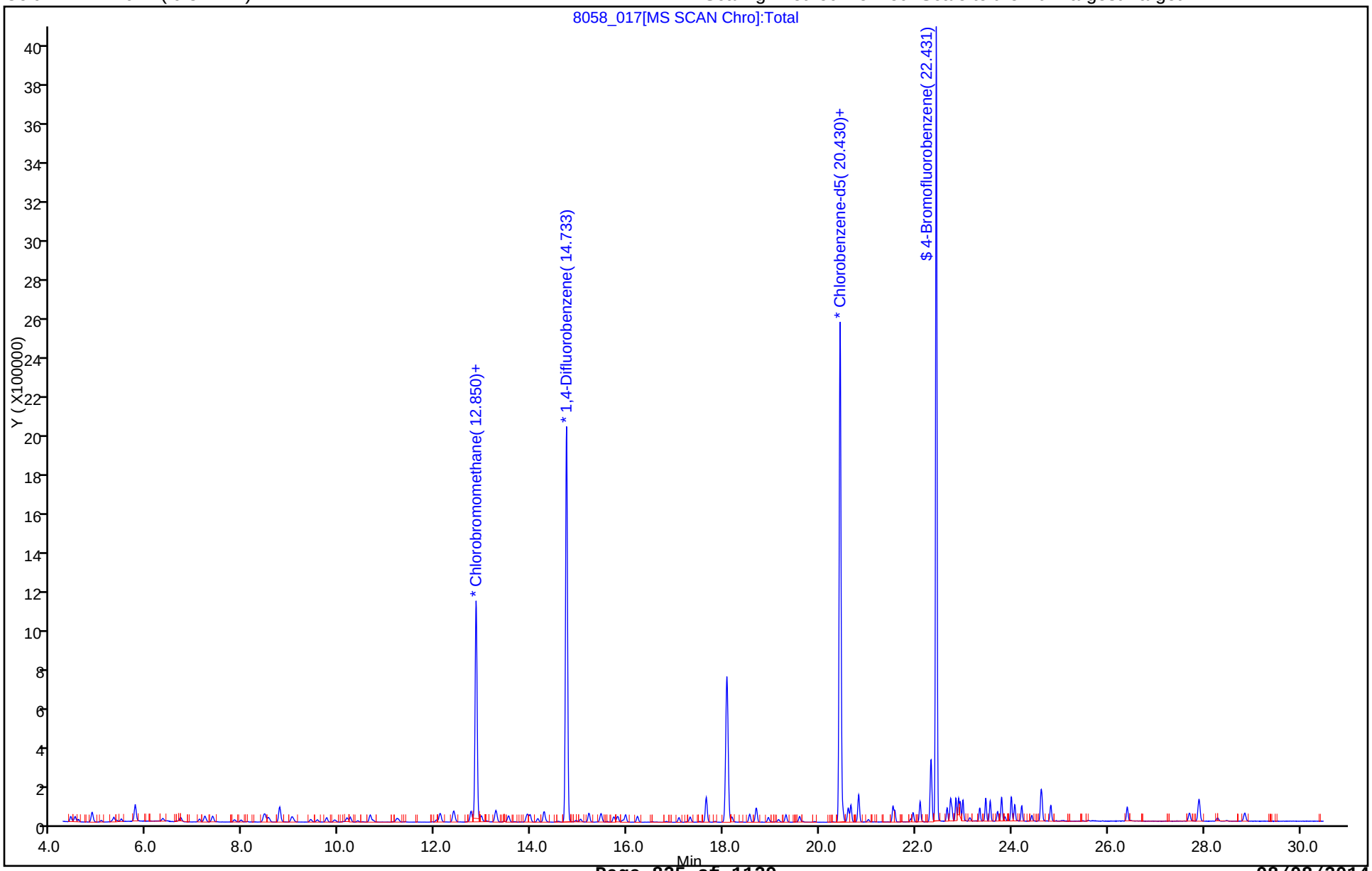
Report Date: 17-Jun-2014 09:23:32 Chrom Revision: 2.2 12-Jun-2014 08:49:30

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140613-8058.b\8058_017.d

Injection Date:	15-Jun-2014 00:33:30	Instrument ID:	CHW.i	Operator ID:	PAD
Lims ID:	IC			Worklist Smp#:	17
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	16
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.: 280-58004-1

SDG No.:

Lab Sample ID: ICV 200-75021/19 Calibration Date: 07/18/2014 10:29

Instrument ID: CHC.i Calib Start Date: 07/17/2014 12:55

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 07/18/2014 09:36

Lab File ID: 8605_019.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.5866	0.5377		9.16	10.0	-8.3	30.0
Dichlorodifluoromethane	Ave	3.097	3.060		9.88	10.0	-1.2	30.0
Freon 22	Ave	1.387	1.361		9.82	10.0	-1.8	30.0
1,2-Dichlorotetrafluoroethane	Ave	2.679	2.870		10.7	10.0	7.1	30.0
Chloromethane	Ave	0.7367	0.6925		9.40	10.0	-6.0	30.0
n-Butane	Ave	1.195	1.121		9.37	10.0	-6.2	30.0
Vinyl chloride	Ave	0.9018	0.8704		9.65	10.0	-3.5	30.0
1,3-Butadiene	Ave	0.6772	0.6333		9.35	10.0	-6.5	30.0
Bromomethane	Ave	0.9214	0.9063		9.83	10.0	-1.6	30.0
Chloroethane	Ave	0.3933	0.3873		9.85	10.0	-1.5	30.0
Isopentane	Ave	0.7308	0.7598		10.4	10.0	4.0	30.0
Bromoethene(Vinyl Bromide)	Ave	0.9068	0.8667		9.56	10.0	-4.4	30.0
Trichlorofluoromethane	Ave	3.311	3.190		9.63	10.0	-3.7	30.0
n-Pentane	Ave	1.222	1.313		10.7	10.0	7.5	30.0
Ethanol	Ave	0.2427	0.1995		12.3	15.0	-17.8	30.0
Ethyl ether	Ave	0.5219	0.5878		11.3	10.0	12.6	30.0
Acrolein	Ave	0.2229	0.2618		11.7	10.0	17.4	30.0
Freon TF	Ave	1.853	1.824		9.84	10.0	-1.6	30.0
1,1-Dichloroethene	Ave	0.8710	0.8384		9.62	10.0	-3.8	30.0
Acetone	Ave	1.205	1.254		10.4	10.0	4.1	30.0
Carbon disulfide	Ave	2.558	2.632		10.3	10.0	2.9	30.0
Isopropyl alcohol	Ave	0.9611	0.8044		8.37	10.0	-16.3	30.0
3-Chloropropene	Ave	0.9161	0.8269		9.02	10.0	-9.7	30.0
Acetonitrile	Ave	0.4659	0.4808		10.3	10.0	3.2	30.0
Methylene Chloride	Ave	0.8513	0.8274		9.72	10.0	-2.8	30.0
tert-Butyl alcohol	Ave	1.585	1.425		8.98	10.0	-10.1	30.0
Methyl tert-butyl ether	Ave	2.567	2.491		9.70	10.0	-2.9	30.0
trans-1,2-Dichloroethene	Ave	1.209	1.228		10.2	10.0	1.6	30.0
Acrylonitrile	Ave	0.4966	0.5202		10.5	10.0	4.8	30.0
n-Hexane	Ave	1.110	1.152		10.4	10.0	3.8	30.0
1,1-Dichloroethane	Ave	1.618	1.608		9.94	10.0	-0.6	30.0
Vinyl acetate	Ave	2.010	1.942		9.66	10.0	-3.4	30.0
cis-1,2-Dichloroethene	Ave	1.154	1.092		9.46	10.0	-5.4	30.0
Methyl Ethyl Ketone	Ave	0.5311	0.4835		9.10	10.0	-9.0	30.0
Ethyl acetate	Ave	0.0817	0.0857		10.5	10.0	4.9	30.0
Tetrahydrofuran	Ave	0.1637	0.1597		9.75	10.0	-2.4	30.0
Chloroform	Ave	2.706	2.654		9.81	10.0	-1.9	30.0
Cyclohexane	Ave	0.2498	0.2414		9.66	10.0	-3.4	30.0
1,1,1-Trichloroethane	Ave	0.5201	0.4981		9.58	10.0	-4.2	30.0
Carbon tetrachloride	Ave	0.5638	0.5408		9.59	10.0	-4.1	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Lab Sample ID: ICV 200-75021/19 Calibration Date: 07/18/2014 10:29

Instrument ID: CHC.i Calib Start Date: 07/17/2014 12:55

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 07/18/2014 09:36

Lab File ID: 8605_019.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,2,4-Trimethylpentane	Ave	0.9842	0.9343		9.49	10.0	-5.1	30.0
Benzene	Ave	0.6336	0.5949		9.39	10.0	-6.1	30.0
1,2-Dichloroethane	Ave	0.3589	0.3491		9.72	10.0	-2.8	30.0
n-Heptane	Ave	0.3917	0.3778		9.64	10.0	-3.5	30.0
n-Butanol	Ave	0.1260	0.1183		9.39	10.0	-6.1	30.0
Trichloroethene	Ave	0.3473	0.3506		10.1	10.0	0.9	30.0
1,2-Dichloropropane	Ave	0.3148	0.3128		9.93	10.0	-0.7	30.0
Methyl methacrylate	Ave	0.2882	0.3050		10.6	10.0	5.8	30.0
1,4-Dioxane	Ave	0.1172	0.1078		9.20	10.0	-8.0	30.0
Dibromomethane	Ave	0.2792	0.2714		9.72	10.0	-2.8	30.0
Bromodichloromethane	Ave	0.6672	0.6682		10.0	10.0	0.1	30.0
cis-1,3-Dichloropropene	Ave	0.4833	0.4923		10.2	10.0	1.9	30.0
methyl isobutyl ketone	Ave	0.6496	0.6115		9.41	10.0	-5.9	30.0
Toluene	Ave	0.5662	0.5581		9.86	10.0	-1.4	30.0
n-Octane	Ave	0.6672	0.6584		9.87	10.0	-1.3	30.0
trans-1,3-Dichloropropene	Ave	0.5562	0.5214		9.37	10.0	-6.3	30.0
1,1,2-Trichloroethane	Ave	0.3046	0.3068		10.1	10.0	0.7	30.0
Tetrachloroethene	Ave	0.4350	0.4128		9.49	10.0	-5.1	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.6374	0.5837		9.16	10.0	-8.4	30.0
Dibromochloromethane	Ave	0.6172	0.6048		9.80	10.0	-2.0	30.0
1,2-Dibromoethane	Ave	0.5460	0.5433		9.95	10.0	-0.5	30.0
Chlorobenzene	Ave	0.7449	0.7224		9.69	10.0	-3.0	30.0
Ethylbenzene	Ave	1.262	1.227		9.72	10.0	-2.8	30.0
n-Nonane	Ave	0.6459	0.6462		10.0	10.0	0.0	30.0
m,p-Xylene	Ave	0.4694	0.4484		19.1	20.0	-4.5	30.0
Xylene, o-	Ave	0.4892	0.4634		9.47	10.0	-5.3	30.0
Styrene	Ave	0.7003	0.6949		9.92	10.0	-0.8	30.0
Bromoform	Ave	0.5663	0.5554		9.81	10.0	-1.9	30.0
Cumene	Ave	1.378	1.312		9.52	10.0	-4.8	30.0
1,1,2,2-Tetrachloroethane	Ave	0.7846	0.7742		9.87	10.0	-1.3	30.0
n-Propylbenzene	Ave	1.694	1.644		9.70	10.0	-2.9	30.0
1,2,3-Trichloropropane	Ave	0.6451	0.6270		9.72	10.0	-2.8	30.0
n-Decane	Ave	0.7430	0.7541		10.1	10.0	1.5	30.0
4-Ethyltoluene	Ave	1.290	1.256		9.74	10.0	-2.6	30.0
2-Chlorotoluene	Ave	1.202	1.127		9.38	10.0	-6.2	30.0
1,3,5-Trimethylbenzene	Ave	1.182	1.138		9.63	10.0	-3.7	30.0
Alpha Methyl Styrene	Ave	0.5254	0.5581		10.6	10.0	6.2	30.0
tert-Butylbenzene	Ave	1.086	1.020		9.40	10.0	-6.0	30.0
1,2,4-Trimethylbenzene	Ave	1.177	1.126		9.56	10.0	-4.4	30.0
sec-Butylbenzene	Ave	1.628	1.548		9.51	10.0	-4.9	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Lab Sample ID: ICV 200-75021/19 Calibration Date: 07/18/2014 10:29

Instrument ID: CHC.i Calib Start Date: 07/17/2014 12:55

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 07/18/2014 09:36

Lab File ID: 8605_019.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Isopropyltoluene	Ave	1.326	1.272		9.59	10.0	-4.1	30.0
1,3-Dichlorobenzene	Ave	0.7467	0.7032		9.42	10.0	-5.8	30.0
1,4-Dichlorobenzene	Ave	0.7623	0.7288		9.56	10.0	-4.4	30.0
Benzyl chloride	Ave	1.043	0.9495		9.10	10.0	-9.0	30.0
n-Butylbenzene	Ave	1.297	1.282		9.89	10.0	-1.1	30.0
n-Undecane	Ave	0.7899	0.8608		10.9	10.0	9.0	30.0
1,2-Dichlorobenzene	Ave	0.7343	0.6915		9.41	10.0	-5.8	30.0
n-Dodecane	Ave	0.6117	0.6443		10.5	10.0	5.3	30.0
1,2,4-Trichlorobenzene	Ave	0.4368	0.4307		9.86	10.0	-1.4	30.0
Hexachlorobutadiene	Ave	0.4805	0.4803		9.99	10.0	-0.0	30.0
Naphthalene	Ave	0.9798	0.9275		9.46	10.0	-5.3	30.0
1,2,3-Trichlorobenzene	Ave	0.3095	0.3281		10.6	10.0	6.0	30.0

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\8605_019.D
Lims ID: icv
Client ID:
Sample Type: ICV
Inject. Date: 18-Jul-2014 10:29:30 ALS Bottle#: 18 Worklist Smp#: 19
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0008605-019
Misc. Info.: icv
Operator ID: wrd Instrument ID: CHC.i
Sublist:

Method: \\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\TO15_LLNJ_TO3_CHC.m
Limit Group: AI_TO15_ICAL
Last Update: 21-Jul-2014 11:28:10 Calib Date: 18-Jul-2014 09:36:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\8605_018.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK025

First Level Reviewer: daiglep Date: 18-Jul-2014 11:30:59

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	3.004	3.004	0.000	97	58682	10.0	9.16	
2 Dichlorodifluoromethane	85	3.074	3.074	0.000	88	333986	10.0	9.88	
6 Chlorodifluoromethane	51	3.132	3.132	0.000	83	148571	10.0	9.82	
7 1,2-Dichloro-1,1,2,2-tetra	85	3.351	3.351	0.000	93	313256	10.0	10.7	
8 Chloromethane	50	3.495	3.495	0.000	88	75579	10.0	9.40	
9 Butane	43	3.698	3.698	0.000	96	122328	10.0	9.37	
10 Vinyl chloride	62	3.746	3.746	0.000	82	95003	10.0	9.65	
11 Butadiene	54	3.826	3.826	0.000	92	69116	10.0	9.35	
18 BFB									
12 Bromomethane	94	4.536	4.536	0.000	96	98917	10.0	9.83	
13 Chloroethane	64	4.787	4.792	-0.005	93	42270	10.0	9.85	
14 2-Methylbutane	43	4.862	4.862	0.000	86	82925	10.0	10.4	
15 Vinyl bromide	106	5.192	5.192	0.000	96	94589	10.0	9.56	
16 Trichlorofluoromethane	101	5.299	5.299	0.000	98	348116	10.0	9.63	
17 Pentane	43	5.443	5.449	-0.006	95	143310	10.0	10.7	
19 Ethanol	45	5.945	5.945	0.000	69	32681	15.0	12.3	
21 Ethyl ether	59	6.004	6.004	0.000	79	64152	10.0	11.3	
22 Acrolein	56	6.409	6.409	0.000	41	28570	10.0	11.7	
23 1,1,2-Trichloro-1,2,2-trif	101	6.420	6.415	0.005	97	199110	10.0	9.84	
24 1,1-Dichloroethene	96	6.463	6.463	0.000	99	91501	10.0	9.62	
25 Acetone	43	6.740	6.740	0.000	77	136899	10.0	10.4	
26 Carbon disulfide	76	6.842	6.842	0.000	99	287225	10.0	10.3	
27 Isopropyl alcohol	45	7.066	7.066	0.000	97	87797	10.0	8.37	
29 3-Chloro-1-propene	41	7.285	7.285	0.000	84	90246	10.0	9.02	
30 Acetonitrile	41	7.445	7.450	-0.005	97	52476	10.0	10.3	
31 Methylene Chloride	49	7.589	7.589	0.000	89	90303	10.0	9.72	
32 2-Methyl-2-propanol	59	7.856	7.856	0.000	97	155492	10.0	8.98	
33 Methyl tert-butyl ether	73	8.005	8.005	0.000	95	271911	10.0	9.70	
34 trans-1,2-Dichloroethene	61	8.032	8.032	0.000	94	134036	10.0	10.2	
35 Acrylonitrile	53	8.218	8.219	0.000	92	56775	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
36 Hexane	57	8.421	8.421	0.000	91	125741	10.0	10.4	
37 1,1-Dichloroethane	63	8.934	8.934	0.000	94	175513	10.0	9.94	
38 Vinyl acetate	43	9.035	9.035	0.000	99	211983	10.0	9.66	
39 cis-1,2-Dichloroethene	96	10.081	10.076	0.005	98	119237	10.0	9.46	
40 2-Butanone (MEK)	72	10.150	10.156	-0.006	94	52771	10.0	9.10	
42 Ethyl acetate	88	10.198	10.193	0.005	94	9355	10.0	10.5	
S 41 1,2-Dichloroethene, Total	61				0		20.0	19.6	
* 43 Chlorobromomethane	128	10.551	10.551	0.000	85	109165	10.0	10.0	
44 Tetrahydrofuran	42	10.567	10.567	0.000	89	108005	10.0	9.75	
45 Chloroform	83	10.695	10.700	-0.005	99	289657	10.0	9.81	
46 Cyclohexane	84	10.914	10.914	0.000	91	163253	10.0	9.66	
47 1,1,1-Trichloroethane	97	10.956	10.962	-0.006	95	336904	10.0	9.58	
48 Carbon tetrachloride	117	11.207	11.207	0.000	99	365830	10.0	9.59	
51 Isooctane	57	11.655	11.655	0.000	98	631945	10.0	9.49	
50 Benzene	78	11.693	11.693	0.000	96	402368	10.0	9.39	
52 1,2-Dichloroethane	62	11.896	11.896	0.000	99	236104	10.0	9.72	
53 n-Heptane	43	12.061	12.066	-0.005	92	255560	10.0	9.64	
* 54 1,4-Difluorobenzene	114	12.568	12.568	0.000	95	676541	10.0	10.0	
55 n-Butanol	56	13.011	13.011	0.000	55	80045	10.0	9.39	
56 Trichloroethene	95	13.027	13.032	-0.005	95	237119	10.0	10.1	
A 57 GRO	1	13.171	(4.852-21.491)		0	54646419	10.0	0	
58 1,2-Dichloropropane	63	13.614	13.609	0.005	89	211544	10.0	9.93	
59 Methyl methacrylate	69	13.801	13.801	0.000	88	206330	10.0	10.6	
60 1,4-Dioxane	88	13.854	13.860	-0.006	42	72911	10.0	9.20	
61 Dibromomethane	174	13.876	13.870	0.006	90	183544	10.0	9.72	
62 Dichlorobromomethane	83	14.180	14.180	0.000	99	451980	10.0	10.0	
A 63 TVOC as Toluene	1	14.884	(2.994-26.774)		0	100799759	10.0	2631.4	
64 cis-1,3-Dichloropropene	75	15.130	15.130	0.000	92	333012	10.0	10.2	
65 4-Methyl-2-pentanone (MIBK	43	15.434	15.434	0.000	96	413620	10.0	9.41	
A 67 Toluene Range	1	15.712	(15.672-15.752)		0	1527258	NC	NC	
66 Toluene	92	15.711	15.712	-0.001	92	381633	10.0	9.86	
68 n-Octane	43	15.770	15.770	0.000	92	445375	10.0	9.87	
A 69 C8 Range	1	15.784	(15.769-16.270)		0	1810619	NC	NC	
70 trans-1,3-Dichloropropene	75	16.331	16.331	0.000	93	352667	10.0	9.37	
71 1,1,2-Trichloroethane	83	16.704	16.704	0.000	82	209754	10.0	10.1	
72 Tetrachloroethene	166	16.790	16.790	0.000	86	282282	10.0	9.49	
73 2-Hexanone	43	17.168	17.168	0.000	96	399126	10.0	9.16	
74 Chlorodibromomethane	129	17.462	17.462	0.000	97	413545	10.0	9.80	
75 Ethylene Dibromide	107	17.729	17.729	0.000	98	371493	10.0	9.95	
* 76 Chlorobenzene-d5	117	18.625	18.625	0.000	73	683893	10.0	10.0	
77 Chlorobenzene	112	18.684	18.684	0.000	82	493918	10.0	9.69	
78 Ethylbenzene	91	18.834	18.834	0.000	98	838956	10.0	9.72	
79 n-Nonane	57	18.956	18.956	0.000	88	441825	10.0	10.0	
81 m-Xylene & p-Xylene	106	19.084	19.090	-0.006	98	613217	20.0	19.1	
83 o-Xylene	106	19.922	19.928	-0.006	89	316872	10.0	9.47	
84 Styrene	104	19.976	19.981	-0.005	93	475155	10.0	9.92	
S 82 Xylenes, Total	106				0		30.0	28.6	
85 Bromoform	173	20.397	20.397	0.000	94	379774	10.0	9.81	
86 Isopropylbenzene	105	20.595	20.595	0.000	97	897288	10.0	9.52	
$ 87 4-Bromofluorobenzene	95	20.963	20.963	0.000	83	544336	NC	NC	
88 1,1,2,2-Tetrachloroethane	83	21.251	21.251	0.000	95	529355	10.0	9.87	
90 N-Propylbenzene	91	21.310	21.310	0.000	98	1124367	10.0	9.70	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
89 1,2,3-Trichloropropane	75	21.347	21.347	0.000	87	428739	10.0	9.72	
93 n-Decane	57	21.475	21.481	-0.006	88	515598	10.0	10.1	
91 4-Ethyltoluene	105	21.497	21.497	0.000	88	859054	10.0	9.74	
92 2-Chlorotoluene	91	21.502	21.507	-0.005	93	770862	10.0	9.38	
94 1,3,5-Trimethylbenzene	105	21.603	21.603	0.000	91	778204	10.0	9.63	
95 Alpha Methyl Styrene	118	21.966	21.966	0.000	85	381619	10.0	10.6	
96 tert-Butylbenzene	119	22.084	22.084	0.000	87	697753	10.0	9.40	
97 1,2,4-Trimethylbenzene	105	22.180	22.180	0.000	98	769701	10.0	9.56	
98 sec-Butylbenzene	105	22.404	22.409	-0.005	97	1058352	10.0	9.51	
99 4-Isopropyltoluene	119	22.607	22.607	0.000	91	869729	10.0	9.59	
100 1,3-Dichlorobenzene	146	22.633	22.639	-0.006	92	480797	10.0	9.42	
101 1,4-Dichlorobenzene	146	22.767	22.772	-0.005	91	498331	10.0	9.56	
102 Benzyl chloride	91	22.970	22.970	0.000	98	649236	10.0	9.10	
103 n-Butylbenzene	91	23.172	23.173	0.000	99	876871	10.0	9.89	
104 Undecane	57	23.194	23.194	0.000	94	588604	10.0	10.9	
105 1,2-Dichlorobenzene	146	23.301	23.301	0.000	92	472820	10.0	9.41	
106 Dodecane	57	24.774	24.779	-0.005	95	440530	10.0	10.5	
107 1,2,4-Trichlorobenzene	180	25.798	25.798	0.000	93	294488	10.0	9.86	
108 Hexachlorobutadiene	225	25.985	25.985	0.000	88	328384	10.0	10.0	
109 Naphthalene	128	26.289	26.289	0.000	99	634210	10.0	9.46	
110 1,2,3-Trichlorobenzene	180	26.759	26.764	-0.005	95	224311	10.0	10.6	

QC Flag Legend

Processing Flags
NC - Not Calibrated

Reagents:

ATTO15LCSW_00387	Amount Added: 200.00	Units: mL	
ATTO15CISs_00006	Amount Added: 20.00	Units: mL	Run Reagent

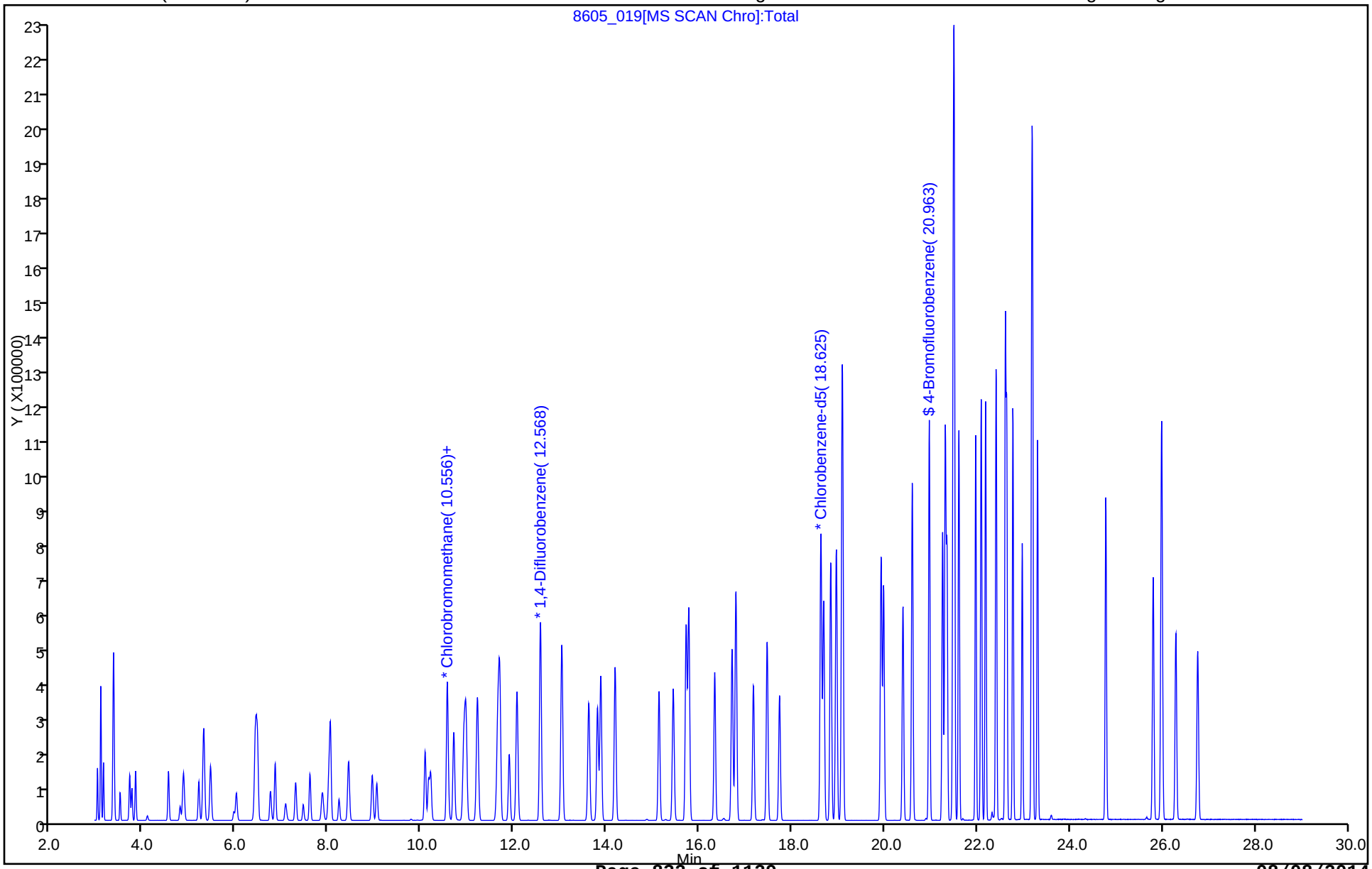
Report Date: 21-Jul-2014 11:28:12 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\8605_019.D

Injection Date:	18-Jul-2014 10:29:30	Instrument ID:	CHC.i	Operator ID:	wrd
Lims ID:	icv			Worklist Smp#:	19
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	18
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 VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Lab Sample ID: CCVIS 200-75211/2 Calibration Date: 07/23/2014 09:29

Instrument ID: CHC.i Calib Start Date: 07/17/2014 12:55

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 07/18/2014 09:36

Lab File ID: 8677_002.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.5866	0.6523		11.1	10.0	11.2	30.0
Dichlorodifluoromethane	Ave	3.097	3.584		11.6	10.0	15.7	30.0
Freon 22	Ave	1.387	1.631		11.8	10.0	17.7	30.0
1,2-Dichlorotetrafluoroethane	Ave	2.679	2.926		10.9	10.0	9.2	30.0
Chloromethane	Ave	0.7367	0.8177		11.1	10.0	11.0	30.0
n-Butane	Ave	1.195	1.319		11.0	10.0	10.3	30.0
Vinyl chloride	Ave	0.9018	0.9771		10.8	10.0	8.4	30.0
1,3-Butadiene	Ave	0.6772	0.7449		11.0	10.0	10.0	30.0
Bromomethane	Ave	0.9214	0.9161		9.94	10.0	-0.6	30.0
Chloroethane	Ave	0.3933	0.4084		10.4	10.0	3.8	30.0
Isopentane	Ave	0.7308	0.7494		10.3	10.0	2.5	30.0
Bromoethene(Vinyl Bromide)	Ave	0.9068	0.8737		9.63	10.0	-3.6	30.0
Trichlorofluoromethane	Ave	3.311	3.543		10.7	10.0	7.0	30.0
n-Pentane	Ave	1.222	1.270		10.4	10.0	3.9	30.0
Ethanol	Ave	0.2427	0.2332		14.4	15.0	-3.9	30.0
Ethyl ether	Ave	0.5219	0.5672		10.9	10.0	8.7	30.0
Acrolein	Ave	0.2229	0.2329		10.4	10.0	4.5	30.0
Freon TF	Ave	1.853	1.923		10.4	10.0	3.8	30.0
1,1-Dichloroethene	Ave	0.8710	0.8913		10.2	10.0	2.3	30.0
Acetone	Ave	1.205	1.346		11.2	10.0	11.7	30.0
Carbon disulfide	Ave	2.558	2.385		9.32	10.0	-6.8	30.0
Isopropyl alcohol	Ave	0.9611	1.111		11.6	10.0	15.6	30.0
3-Chloropropene	Ave	0.9161	0.9528		10.4	10.0	4.0	30.0
Acetonitrile	Ave	0.4659	0.5103		11.0	10.0	9.5	30.0
Methylene Chloride	Ave	0.8513	0.9000		10.6	10.0	5.7	30.0
tert-Butyl alcohol	Ave	1.585	1.825		11.5	10.0	15.1	30.0
Methyl tert-butyl ether	Ave	2.567	2.705		10.5	10.0	5.4	30.0
trans-1,2-Dichloroethene	Ave	1.209	1.273		10.5	10.0	5.3	30.0
Acrylonitrile	Ave	0.4966	0.5335		10.7	10.0	7.4	30.0
n-Hexane	Ave	1.110	1.136		10.2	10.0	2.3	30.0
1,1-Dichloroethane	Ave	1.618	1.721		10.6	10.0	6.3	30.0
Vinyl acetate	Ave	2.010	2.165		10.8	10.0	7.7	30.0
cis-1,2-Dichloroethene	Ave	1.154	1.137		9.84	10.0	-1.5	30.0
Methyl Ethyl Ketone	Ave	0.5311	0.5112		9.62	10.0	-3.7	30.0
Ethyl acetate	Ave	0.0817	0.0799		9.78	10.0	-2.2	30.0
Tetrahydrofuran	Ave	0.1637	0.1749		10.7	10.0	6.9	30.0
Chloroform	Ave	2.706	2.856		10.6	10.0	5.6	30.0
Cyclohexane	Ave	0.2498	0.2426		9.71	10.0	-2.9	30.0
1,1,1-Trichloroethane	Ave	0.5201	0.5352		10.3	10.0	2.9	30.0
Carbon tetrachloride	Ave	0.5638	0.5749		10.2	10.0	2.0	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Lab Sample ID: CCVIS 200-75211/2 Calibration Date: 07/23/2014 09:29

Instrument ID: CHC.i Calib Start Date: 07/17/2014 12:55

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 07/18/2014 09:36

Lab File ID: 8677_002.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,2,4-Trimethylpentane	Ave	0.9842	1.009		10.2	10.0	2.5	30.0
Benzene	Ave	0.6336	0.6213		9.80	10.0	-1.9	30.0
1,2-Dichloroethane	Ave	0.3589	0.3801		10.6	10.0	5.9	30.0
n-Heptane	Ave	0.3917	0.4140		10.6	10.0	5.7	30.0
n-Butanol	Ave	0.1260	0.1400		11.1	10.0	11.1	30.0
Trichloroethene	Ave	0.3473	0.3503		10.1	10.0	0.9	30.0
1,2-Dichloropropane	Ave	0.3148	0.3124		9.92	10.0	-0.8	30.0
Methyl methacrylate	Ave	0.2882	0.2893		10.0	10.0	0.4	30.0
1,4-Dioxane	Ave	0.1172	0.1322		11.3	10.0	12.8	30.0
Dibromomethane	Ave	0.2792	0.2668		9.55	10.0	-4.4	30.0
Bromodichloromethane	Ave	0.6672	0.6901		10.3	10.0	3.4	30.0
cis-1,3-Dichloropropene	Ave	0.4833	0.4843		10.0	10.0	0.2	30.0
methyl isobutyl ketone	Ave	0.6496	0.6402		9.85	10.0	-1.4	30.0
Toluene	Ave	0.5662	0.5502		9.71	10.0	-2.8	30.0
n-Octane	Ave	0.6672	0.6771		10.1	10.0	1.5	30.0
trans-1,3-Dichloropropene	Ave	0.5562	0.5189		9.33	10.0	-6.7	30.0
1,1,2-Trichloroethane	Ave	0.3046	0.3081		10.1	10.0	1.2	30.0
Tetrachloroethene	Ave	0.4350	0.4186		9.62	10.0	-3.8	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.6374	0.6255		9.81	10.0	-1.9	30.0
Dibromochloromethane	Ave	0.6172	0.6476		10.5	10.0	4.9	30.0
1,2-Dibromoethane	Ave	0.5460	0.5493		10.1	10.0	0.6	30.0
Chlorobenzene	Ave	0.7449	0.7175		9.63	10.0	-3.7	30.0
Ethylbenzene	Ave	1.262	1.260		9.98	10.0	-0.2	30.0
n-Nonane	Ave	0.6459	0.6594		10.2	10.0	2.1	30.0
m,p-Xylene	Ave	0.4694	0.4640		19.8	20.0	-1.2	30.0
Xylene, o-	Ave	0.4892	0.4948		10.1	10.0	1.2	30.0
Styrene	Ave	0.7003	0.7190		10.3	10.0	2.7	30.0
Bromoform	Ave	0.5663	0.5915		10.4	10.0	4.4	30.0
Cumene	Ave	1.378	1.418		10.3	10.0	2.9	30.0
1,1,2,2-Tetrachloroethane	Ave	0.7846	0.8242		10.5	10.0	5.0	30.0
n-Propylbenzene	Ave	1.694	1.807		10.7	10.0	6.7	30.0
1,2,3-Trichloropropane	Ave	0.6451	0.6920		10.7	10.0	7.3	30.0
n-Decane	Ave	0.7430	0.8410		11.3	10.0	13.2	30.0
4-Ethyltoluene	Ave	1.290	1.336		10.3	10.0	3.5	30.0
2-Chlorotoluene	Ave	1.202	1.256		10.4	10.0	4.5	30.0
1,3,5-Trimethylbenzene	Ave	1.182	1.237		10.5	10.0	4.7	30.0
Alpha Methyl Styrene	Ave	0.5254	0.5861		11.2	10.0	11.6	30.0
tert-Butylbenzene	Ave	1.086	1.109		10.2	10.0	2.1	30.0
1,2,4-Trimethylbenzene	Ave	1.177	1.228		10.4	10.0	4.3	30.0
sec-Butylbenzene	Ave	1.628	1.692		10.4	10.0	3.9	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Lab Sample ID: CCVIS 200-75211/2 Calibration Date: 07/23/2014 09:29

Instrument ID: CHC.i Calib Start Date: 07/17/2014 12:55

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 07/18/2014 09:36

Lab File ID: 8677_002.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Isopropyltoluene	Ave	1.326	1.373		10.4	10.0	3.6	30.0
1,3-Dichlorobenzene	Ave	0.7467	0.7402		9.91	10.0	-0.9	30.0
1,4-Dichlorobenzene	Ave	0.7623	0.7772		10.2	10.0	2.0	30.0
Benzyl chloride	Ave	1.043	1.075		10.3	10.0	3.1	30.0
n-Butylbenzene	Ave	1.297	1.422		11.0	10.0	9.7	30.0
n-Undecane	Ave	0.7899	0.9527		12.1	10.0	20.6	30.0
1,2-Dichlorobenzene	Ave	0.7343	0.7406		10.1	10.0	0.9	30.0
n-Dodecane	Ave	0.6117	0.9409		15.4	10.0	53.8*	30.0
1,2,4-Trichlorobenzene	Ave	0.4368	0.5388		12.3	10.0	23.4	30.0
Hexachlorobutadiene	Ave	0.4805	0.5318		11.1	10.0	10.7	30.0
Naphthalene	Ave	0.9798	1.346		13.7	10.0	37.3*	30.0
1,2,3-Trichlorobenzene	Ave	0.3095	0.4858		15.7	10.0	57.0*	30.0

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140723-8677.b\8677_002.D
Lims ID: ccvis
Client ID:
Sample Type: CCVIS
Inject. Date: 23-Jul-2014 09:29:30 ALS Bottle#: 2 Worklist Smp#: 2
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0008677-007
Misc. Info.: ccvis
Operator ID: bpl Instrument ID: CHC.i
Sublist: chrom-TO15_LLNJ_TO3_CHC*sub2

Method: \\BTV-LIMS1\ChromData\CHC.i\20140723-8677.b\TO15_LLNJ_TO3_CHC.m
Limit Group: AI_TO15_ICAL
Last Update: 23-Jul-2014 11:10:38 Calib Date: 18-Jul-2014 09:36:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\8605_018.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK001

First Level Reviewer: lyonsb Date: 23-Jul-2014 10:27:56

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	3.004	3.004	0.000	95	70652	10.0	11.1	
2 Dichlorodifluoromethane	85	3.079	3.079	0.000	99	388198	10.0	11.6	
6 Chlorodifluoromethane	51	3.132	3.132	0.000	96	176709	10.0	11.8	
7 1,2-Dichloro-1,1,2,2-tetra	85	3.351	3.351	0.000	93	316940	10.0	10.9	
8 Chloromethane	50	3.495	3.495	0.000	99	88577	10.0	11.1	
9 Butane	43	3.698	3.698	0.000	96	142836	10.0	11.0	
10 Vinyl chloride	62	3.746	3.746	0.000	98	105841	10.0	10.8	
11 Butadiene	54	3.832	3.832	0.000	93	80688	10.0	11.0	
12 Bromomethane	94	4.536	4.536	0.000	98	99234	10.0	9.94	
18 BFB									
13 Chloroethane	64	4.792	4.792	0.000	99	44234	10.0	10.4	
14 2-Methylbutane	43	4.862	4.862	0.000	89	81171	10.0	10.3	
15 Vinyl bromide	106	5.192	5.192	0.000	98	94641	10.0	9.63	
16 Trichlorofluoromethane	101	5.294	5.294	0.000	99	383803	10.0	10.7	
17 Pentane	43	5.443	5.443	0.000	93	137528	10.0	10.4	
19 Ethanol	45	5.950	5.950	0.000	99	37903	15.0	14.4	
21 Ethyl ether	59	6.004	6.004	0.000	94	61434	10.0	10.9	
22 Acrolein	56	6.409	6.409	0.000	36	25232	10.0	10.4	
23 1,1,2-Trichloro-1,2,2-trif	101	6.425	6.425	0.000	97	208300	10.0	10.4	
24 1,1-Dichloroethene	96	6.463	6.463	0.000	99	96541	10.0	10.2	
25 Acetone	43	6.740	6.740	0.000	86	145826	10.0	11.2	
26 Carbon disulfide	76	6.842	6.842	0.000	100	258343	10.0	9.32	
27 Isopropyl alcohol	45	7.071	7.071	0.000	98	120324	10.0	11.6	
29 3-Chloro-1-propene	41	7.285	7.285	0.000	88	103210	10.0	10.4	
30 Acetonitrile	41	7.445	7.445	0.000	97	55279	10.0	11.0	
31 Methylene Chloride	49	7.589	7.589	0.000	90	97491	10.0	10.6	
32 2-Methyl-2-propanol	59	7.861	7.861	0.000	99	197685	10.0	11.5	
33 Methyl tert-butyl ether	73	8.005	8.005	0.000	96	293056	10.0	10.5	
34 trans-1,2-Dichloroethene	61	8.037	8.037	0.000	94	137865	10.0	10.5	
35 Acrylonitrile	53	8.219	8.219	0.000	93	57790	10.0	10.7	

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	8.427	8.427	0.000	91	123015	10.0	10.2	
37 1,1-Dichloroethane	63	8.934	8.934	0.000	99	186387	10.0	10.6	
38 Vinyl acetate	43	9.035	9.035	0.000	99	234560	10.0	10.8	
39 cis-1,2-Dichloroethene	96	10.081	10.081	0.000	96	123114	10.0	9.84	
40 2-Butanone (MEK)	72	10.156	10.156	0.000	99	55378	10.0	9.62	
42 Ethyl acetate	88	10.199	10.199	0.000	99	8655	10.0	9.78	
S 41 1,2-Dichloroethene, Total	61				0		20.0	20.4	
* 43 Chlorobromomethane	128	10.551	10.551	0.000	89	108342	10.0	10.0	
44 Tetrahydrofuran	42	10.567	10.567	0.000	90	119262	10.0	10.7	
45 Chloroform	83	10.695	10.695	0.000	99	309392	10.0	10.6	
46 Cyclohexane	84	10.919	10.919	0.000	92	165415	10.0	9.71	
47 1,1,1-Trichloroethane	97	10.956	10.956	0.000	97	364823	10.0	10.3	
48 Carbon tetrachloride	117	11.207	11.207	0.000	99	391940	10.0	10.2	
51 Isooctane	57	11.655	11.655	0.000	98	687656	10.0	10.2	
50 Benzene	78	11.693	11.693	0.000	97	423574	10.0	9.80	
52 1,2-Dichloroethane	62	11.896	11.896	0.000	99	259136	10.0	10.6	
53 n-Heptane	43	12.061	12.061	0.000	92	282213	10.0	10.6	
* 54 1,4-Difluorobenzene	114	12.568	12.568	0.000	96	681851	10.0	10.0	
55 n-Butanol	56	13.016	13.016	0.000	90	95443	10.0	11.1	
56 Trichloroethene	95	13.032	13.032	0.000	94	238775	10.0	10.1	
A 57 GRO	1	13.168	(4.852-21.485)		0	59832237	10.0	0	
58 1,2-Dichloropropane	63	13.614	13.614	0.000	88	212973	10.0	9.92	
59 Methyl methacrylate	69	13.801	13.801	0.000	90	197191	10.0	10.0	
60 1,4-Dioxane	88	13.860	13.860	0.000	96	90130	10.0	11.3	
61 Dibromomethane	174	13.876	13.876	0.000	89	181865	10.0	9.55	
62 Dichlorobromomethane	83	14.180	14.180	0.000	100	470419	10.0	10.3	
A 63 TVOC as Toluene	1	14.882	(2.994-26.769)		0	113201319	10.0	2932.2	
64 cis-1,3-Dichloropropene	75	15.130	15.130	0.000	94	330133	10.0	10.0	
65 4-Methyl-2-pentanone (MIBK	43	15.434	15.434	0.000	97	436409	10.0	9.85	
A 67 Toluene Range	1	15.712	(15.672-15.752)		0	1548111	NC	NC	
66 Toluene	92	15.712	15.712	0.000	94	376162	10.0	9.71	
68 n-Octane	43	15.770	15.770	0.000	93	461616	10.0	10.1	
A 69 C8 Range	1	16.008	(15.769-16.270)		0	1838306	NC	NC	
70 trans-1,3-Dichloropropene	75	16.331	16.331	0.000	97	353760	10.0	9.33	
71 1,1,2-Trichloroethane	83	16.704	16.704	0.000	94	210659	10.0	10.1	
72 Tetrachloroethene	166	16.790	16.790	0.000	91	286188	10.0	9.62	
73 2-Hexanone	43	17.163	17.163	0.000	96	427679	10.0	9.81	
74 Chlorodibromomethane	129	17.462	17.462	0.000	97	442745	10.0	10.5	
75 Ethylene Dibromide	107	17.729	17.729	0.000	98	375573	10.0	10.1	
* 76 Chlorobenzene-d5	117	18.620	18.620	0.000	92	683845	10.0	10.0	
77 Chlorobenzene	112	18.684	18.684	0.000	90	490539	10.0	9.63	
78 Ethylbenzene	91	18.834	18.834	0.000	99	861284	10.0	9.98	
79 n-Nonane	57	18.956	18.956	0.000	90	450805	10.0	10.2	
81 m-Xylene & p-Xylene	106	19.084	19.084	0.000	98	634435	20.0	19.8	
83 o-Xylene	106	19.922	19.922	0.000	93	338321	10.0	10.1	
84 Styrene	104	19.976	19.976	0.000	93	491576	10.0	10.3	
S 82 Xylenes, Total	106				0		30.0	29.9	
85 Bromoform	173	20.392	20.392	0.000	93	404412	10.0	10.4	
86 Isopropylbenzene	105	20.595	20.595	0.000	98	969416	10.0	10.3	
$ 87 4-Bromofluorobenzene	95	20.963	20.963	0.000	81	578981	NC	NC	
88 1,1,2,2-Tetrachloroethane	83	21.251	21.251	0.000	97	563495	10.0	10.5	
90 N-Propylbenzene	91	21.310	21.310	0.000	98	1235441	10.0	10.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
89 1,2,3-Trichloropropane	75	21.342	21.342	0.000	97	473121	10.0	10.7	
93 n-Decane	57	21.475	21.475	0.000	89	574989	10.0	11.3	
91 4-Ethyltoluene	105	21.497	21.497	0.000	97	913171	10.0	10.3	
92 2-Chlorotoluene	91	21.502	21.502	0.000	95	859022	10.0	10.4	
94 1,3,5-Trimethylbenzene	105	21.603	21.603	0.000	91	845684	10.0	10.5	
95 Alpha Methyl Styrene	118	21.966	21.966	0.000	86	400707	10.0	11.2	
96 tert-Butylbenzene	119	22.084	22.084	0.000	89	758149	10.0	10.2	
97 1,2,4-Trimethylbenzene	105	22.180	22.180	0.000	99	839388	10.0	10.4	
98 sec-Butylbenzene	105	22.404	22.404	0.000	97	1156745	10.0	10.4	
99 4-Isopropyltoluene	119	22.607	22.607	0.000	95	938880	10.0	10.4	
100 1,3-Dichlorobenzene	146	22.633	22.633	0.000	92	506087	10.0	9.91	
101 1,4-Dichlorobenzene	146	22.772	22.772	0.000	90	531355	10.0	10.2	
102 Benzyl chloride	91	22.970	22.970	0.000	98	735152	10.0	10.3	
103 n-Butylbenzene	91	23.173	23.173	0.000	99	972039	10.0	11.0	
104 Undecane	57	23.194	23.194	0.000	94	651337	10.0	12.1	
105 1,2-Dichlorobenzene	146	23.301	23.301	0.000	92	506354	10.0	10.1	
106 Dodecane	57	24.774	24.774	0.000	96	643268	10.0	15.4	
107 1,2,4-Trichlorobenzene	180	25.798	25.798	0.000	93	368377	10.0	12.3	
108 Hexachlorobutadiene	225	25.980	25.980	0.000	87	363624	10.0	11.1	
109 Naphthalene	128	26.289	26.289	0.000	99	920053	10.0	13.7	
110 1,2,3-Trichlorobenzene	180	26.759	26.759	0.000	94	332169	10.0	15.7	

QC Flag Legend

Processing Flags
NC - Not Calibrated

Reagents:

ATTO15CAL4w_00370	Amount Added: 200.00	Units: mL	
ATTO15CISs_00006	Amount Added: 20.00	Units: mL	Run Reagent

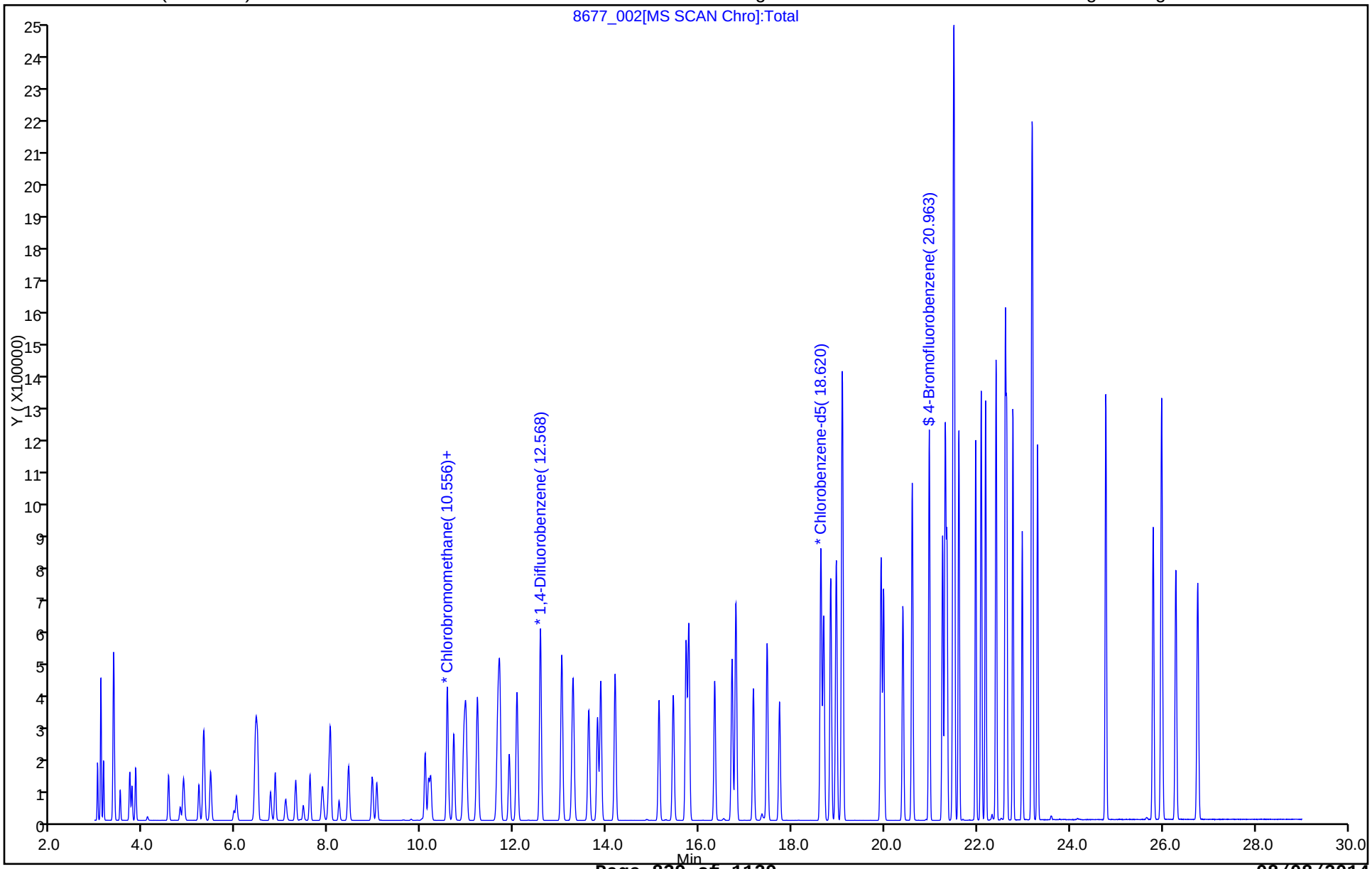
Report Date: 23-Jul-2014 11:10:39 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140723-8677.b\8677_002.D

Injection Date:	23-Jul-2014 09:29:30	Instrument ID:	CHC.i	Operator ID:	bpl
Lims ID:	ccvis			Worklist Smp#:	2
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	2
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 VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Lab Sample ID: CCVIS 200-75599/3 Calibration Date: 08/04/2014 10:32

Instrument ID: CHC.i Calib Start Date: 07/17/2014 12:55

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 07/18/2014 09:36

Lab File ID: 8834_003.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.5866	0.6835		11.7	10.0	16.5	30.0
Dichlorodifluoromethane	Ave	3.097	3.811		12.3	10.0	23.1	30.0
Freon 22	Ave	1.387	1.693		12.2	10.0	22.1	30.0
1,2-Dichlorotetrafluoroethane	Ave	2.679	3.079		11.5	10.0	14.9	30.0
Chloromethane	Ave	0.7367	0.8427		11.4	10.0	14.4	30.0
n-Butane	Ave	1.195	1.249		10.4	10.0	4.5	30.0
Vinyl chloride	Ave	0.9018	0.9597		10.6	10.0	6.4	30.0
1,3-Butadiene	Ave	0.6772	0.7058		10.4	10.0	4.2	30.0
Bromomethane	Ave	0.9214	0.8655		9.39	10.0	-6.1	30.0
Chloroethane	Ave	0.3933	0.3587		9.12	10.0	-8.8	30.0
Isopentane	Ave	0.7308	0.6482		8.87	10.0	-11.3	30.0
Bromoethene(Vinyl Bromide)	Ave	0.9068	0.8283		9.13	10.0	-8.6	30.0
Trichlorofluoromethane	Ave	3.311	3.559		10.7	10.0	7.5	30.0
n-Pentane	Ave	1.222	1.279		10.5	10.0	4.6	30.0
Ethanol	Ave	0.2427	0.2454		15.2	15.0	1.1	30.0
Ethyl ether	Ave	0.5219	0.5747		11.0	10.0	10.1	30.0
Acrolein	Ave	0.2229	0.2455		11.0	10.0	10.1	30.0
Freon TF	Ave	1.853	1.982		10.7	10.0	7.0	30.0
1,1-Dichloroethene	Ave	0.8710	0.9210		10.6	10.0	5.7	30.0
Acetone	Ave	1.205	1.439		11.9	10.0	19.4	30.0
Carbon disulfide	Ave	2.558	2.419		9.46	10.0	-5.4	30.0
Isopropyl alcohol	Ave	0.9611	0.9176		9.55	10.0	-4.5	30.0
3-Chloropropene	Ave	0.9161	0.9564		10.4	10.0	4.4	30.0
Acetonitrile	Ave	0.4659	0.4930		10.6	10.0	5.8	30.0
Methylene Chloride	Ave	0.8513	0.9152		10.7	10.0	7.5	30.0
tert-Butyl alcohol	Ave	1.585	1.588		10.0	10.0	0.2	30.0
Methyl tert-butyl ether	Ave	2.567	2.753		10.7	10.0	7.3	30.0
trans-1,2-Dichloroethene	Ave	1.209	1.277		10.6	10.0	5.7	30.0
Acrylonitrile	Ave	0.4966	0.5256		10.6	10.0	5.8	30.0
n-Hexane	Ave	1.110	1.149		10.4	10.0	3.5	30.0
1,1-Dichloroethane	Ave	1.618	1.719		10.6	10.0	6.3	30.0
Vinyl acetate	Ave	2.010	2.148		10.7	10.0	6.8	30.0
cis-1,2-Dichloroethene	Ave	1.154	1.159		10.0	10.0	0.4	30.0
Methyl Ethyl Ketone	Ave	0.5311	0.4889		9.20	10.0	-8.0	30.0
Ethyl acetate	Ave	0.0817	0.0826		10.1	10.0	1.1	30.0
Tetrahydrofuran	Ave	0.1637	0.1727		10.6	10.0	5.5	30.0
Chloroform	Ave	2.706	2.836		10.5	10.0	4.8	30.0
Cyclohexane	Ave	0.2498	0.2526		10.1	10.0	1.1	30.0
1,1,1-Trichloroethane	Ave	0.5201	0.5739		11.0	10.0	10.4	30.0
Carbon tetrachloride	Ave	0.5638	0.6225		11.0	10.0	10.4	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Lab Sample ID: CCVIS 200-75599/3 Calibration Date: 08/04/2014 10:32

Instrument ID: CHC.i Calib Start Date: 07/17/2014 12:55

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 07/18/2014 09:36

Lab File ID: 8834_003.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,2,4-Trimethylpentane	Ave	0.9842	1.012		10.3	10.0	2.8	30.0
Benzene	Ave	0.6336	0.6328		9.98	10.0	-0.1	30.0
1,2-Dichloroethane	Ave	0.3589	0.4194		11.7	10.0	16.8	30.0
n-Heptane	Ave	0.3917	0.4203		10.7	10.0	7.3	30.0
n-Butanol	Ave	0.1260	0.1238		9.82	10.0	-1.8	30.0
Trichloroethene	Ave	0.3473	0.3829		11.0	10.0	10.3	30.0
1,2-Dichloropropane	Ave	0.3148	0.3554		11.3	10.0	12.9	30.0
Methyl methacrylate	Ave	0.2882	0.3267		11.3	10.0	13.4	30.0
1,4-Dioxane	Ave	0.1172	0.1170		9.98	10.0	-0.2	30.0
Dibromomethane	Ave	0.2792	0.2862		10.2	10.0	2.5	30.0
Bromodichloromethane	Ave	0.6672	0.7905		11.8	10.0	18.5	30.0
cis-1,3-Dichloropropene	Ave	0.4833	0.5520		11.4	10.0	14.2	30.0
methyl isobutyl ketone	Ave	0.6496	0.7624		11.7	10.0	17.4	30.0
Toluene	Ave	0.5662	0.5788		10.2	10.0	2.2	30.0
n-Octane	Ave	0.6672	0.7773		11.6	10.0	16.5	30.0
trans-1,3-Dichloropropene	Ave	0.5562	0.6001		10.8	10.0	7.9	30.0
1,1,2-Trichloroethane	Ave	0.3046	0.3244		10.6	10.0	6.5	30.0
Tetrachloroethene	Ave	0.4350	0.4100		9.42	10.0	-5.7	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.6374	0.6900		10.8	10.0	8.2	30.0
Dibromochloromethane	Ave	0.6172	0.6628		10.7	10.0	7.4	30.0
1,2-Dibromoethane	Ave	0.5460	0.5668		10.4	10.0	3.8	30.0
Chlorobenzene	Ave	0.7449	0.7255		9.74	10.0	-2.6	30.0
Ethylbenzene	Ave	1.262	1.328		10.5	10.0	5.2	30.0
n-Nonane	Ave	0.6459	0.7058		10.9	10.0	9.3	30.0
m,p-Xylene	Ave	0.4694	0.4694		20.0	20.0	0.0	30.0
Xylene, o-	Ave	0.4892	0.4910		10.0	10.0	0.4	30.0
Styrene	Ave	0.7003	0.7226		10.3	10.0	3.2	30.0
Bromoform	Ave	0.5663	0.5904		10.4	10.0	4.2	30.0
Cumene	Ave	1.378	1.423		10.3	10.0	3.3	30.0
1,1,2,2-Tetrachloroethane	Ave	0.7846	0.8253		10.5	10.0	5.2	30.0
n-Propylbenzene	Ave	1.694	1.807		10.7	10.0	6.7	30.0
1,2,3-Trichloropropane	Ave	0.6451	0.7084		11.0	10.0	9.8	30.0
n-Decane	Ave	0.7430	0.8322		11.2	10.0	12.0	30.0
4-Ethyltoluene	Ave	1.290	1.323		10.2	10.0	2.5	30.0
2-Chlorotoluene	Ave	1.202	1.247		10.4	10.0	3.7	30.0
1,3,5-Trimethylbenzene	Ave	1.182	1.242		10.5	10.0	5.1	30.0
Alpha Methyl Styrene	Ave	0.5254	0.5741		10.9	10.0	9.3	30.0
tert-Butylbenzene	Ave	1.086	1.104		10.2	10.0	1.6	30.0
1,2,4-Trimethylbenzene	Ave	1.177	1.248		10.6	10.0	6.1	30.0
sec-Butylbenzene	Ave	1.628	1.695		10.4	10.0	4.1	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Lab Sample ID: CCVIS 200-75599/3 Calibration Date: 08/04/2014 10:32

Instrument ID: CHC.i Calib Start Date: 07/17/2014 12:55

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 07/18/2014 09:36

Lab File ID: 8834_003.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Isopropyltoluene	Ave	1.326	1.367		10.3	10.0	3.1	30.0
1,3-Dichlorobenzene	Ave	0.7467	0.7385		9.89	10.0	-1.1	30.0
1,4-Dichlorobenzene	Ave	0.7623	0.7649		10.0	10.0	0.3	30.0
Benzyl chloride	Ave	1.043	1.144		11.0	10.0	9.7	30.0
n-Butylbenzene	Ave	1.297	1.434		11.1	10.0	10.6	30.0
n-Undecane	Ave	0.7899	0.9534		12.1	10.0	20.7	30.0
1,2-Dichlorobenzene	Ave	0.7343	0.7268		9.90	10.0	-1.0	30.0
n-Dodecane	Ave	0.6117	0.6802		11.1	10.0	11.2	30.0
1,2,4-Trichlorobenzene	Ave	0.4368	0.4410		10.1	10.0	1.0	30.0
Hexachlorobutadiene	Ave	0.4805	0.5034		10.5	10.0	4.8	30.0
Naphthalene	Ave	0.9798	1.077		11.0	10.0	10.0	30.0
1,2,3-Trichlorobenzene	Ave	0.3095	0.3385		10.9	10.0	9.4	30.0

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140804-8834.b\8834_003.D
Lims ID: ccvis
Client ID:
Sample Type: CCVIS
Inject. Date: 04-Aug-2014 10:32:30 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0008834-003
Misc. Info.: ccvis
Operator ID: wrd Instrument ID: CHC.i
Sublist: chrom-TO15_LLNJ_TO3_CHC*sub2

Method: \\BTV-LIMS1\ChromData\CHC.i\20140804-8834.b\TO15_LLNJ_TO3_CHC.m
Limit Group: AI_TO15_ICAL
Last Update: 04-Aug-2014 13:39:50 Calib Date: 18-Jul-2014 09:36:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\8605_018.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK036

First Level Reviewer: desjardinsb Date: 04-Aug-2014 13:39:50

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	3.004	3.004	0.000	95	70693	10.0	11.7	
2 Dichlorodifluoromethane	85	3.074	3.074	0.000	99	394205	10.0	12.3	
6 Chlorodifluoromethane	51	3.132	3.132	0.000	96	175122	10.0	12.2	
7 1,2-Dichloro-1,1,2,2-tetra	85	3.351	3.351	0.000	92	318445	10.0	11.5	
8 Chloromethane	50	3.495	3.495	0.000	99	87162	10.0	11.4	
9 Butane	43	3.698	3.698	0.000	96	129183	10.0	10.4	
10 Vinyl chloride	62	3.746	3.746	0.000	98	99255	10.0	10.6	
11 Butadiene	54	3.826	3.826	0.000	93	72998	10.0	10.4	
18 BFB									
12 Bromomethane	94	4.536	4.536	0.000	98	89517	10.0	9.39	
13 Chloroethane	64	4.787	4.787	0.000	100	37104	10.0	9.12	
14 2-Methylbutane	43	4.851	4.851	0.000	86	67045	10.0	8.87	
15 Vinyl bromide	106	5.187	5.187	0.000	98	85674	10.0	9.13	
16 Trichlorofluoromethane	101	5.289	5.289	0.000	99	368080	10.0	10.7	
17 Pentane	43	5.438	5.438	0.000	93	132235	10.0	10.5	
19 Ethanol	45	5.950	5.950	0.000	98	38084	15.0	15.2	
21 Ethyl ether	59	5.998	5.998	0.000	90	59435	10.0	11.0	
22 Acrolein	56	6.404	6.404	0.000	53	25387	10.0	11.0	
23 1,1,2-Trichloro-1,2,2-trif	101	6.420	6.420	0.000	97	205037	10.0	10.7	
24 1,1-Dichloroethene	96	6.457	6.457	0.000	99	95256	10.0	10.6	
25 Acetone	43	6.735	6.735	0.000	86	148822	10.0	11.9	
26 Carbon disulfide	76	6.836	6.836	0.000	99	250227	10.0	9.46	
27 Isopropyl alcohol	45	7.060	7.060	0.000	97	94910	10.0	9.55	
29 3-Chloro-1-propene	41	7.279	7.279	0.000	87	98916	10.0	10.4	
30 Acetonitrile	41	7.439	7.439	0.000	98	50986	10.0	10.6	
31 Methylene Chloride	49	7.583	7.583	0.000	89	94653	10.0	10.7	
32 2-Methyl-2-propanol	59	7.856	7.856	0.000	99	164285	10.0	10.0	
33 Methyl tert-butyl ether	73	8.000	8.000	0.000	95	284771	10.0	10.7	
34 trans-1,2-Dichloroethene	61	8.026	8.026	0.000	93	132058	10.0	10.6	
35 Acrylonitrile	53	8.213	8.213	0.000	93	54361	10.0	10.6	

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	8.416	8.416	0.000	90	118824	10.0	10.4	
37 1,1-Dichloroethane	63	8.928	8.928	0.000	99	177818	10.0	10.6	
38 Vinyl acetate	43	9.030	9.030	0.000	99	222121	10.0	10.7	
39 cis-1,2-Dichloroethene	96	10.070	10.070	0.000	97	119886	10.0	10.0	
40 2-Butanone (MEK)	72	10.145	10.145	0.000	99	50563	10.0	9.20	
42 Ethyl acetate	88	10.193	10.193	0.000	99	8539	10.0	10.1	
S 41 1,2-Dichloroethene, Total	61				0		20.0	20.6	
* 43 Chlorobromomethane	128	10.545	10.545	0.000	85	103448	10.0	10.0	
44 Tetrahydrofuran	42	10.567	10.567	0.000	88	105081	10.0	10.6	
45 Chloroform	83	10.690	10.690	0.000	99	293272	10.0	10.5	
46 Cyclohexane	84	10.908	10.908	0.000	92	153629	10.0	10.1	
47 1,1,1-Trichloroethane	97	10.951	10.951	0.000	97	349118	10.0	11.0	
48 Carbon tetrachloride	117	11.197	11.197	0.000	99	378680	10.0	11.0	
51 Isooctane	57	11.650	11.650	0.000	98	615641	10.0	10.3	
50 Benzene	78	11.688	11.688	0.000	97	384911	10.0	9.98	
52 1,2-Dichloroethane	62	11.885	11.885	0.000	99	255124	10.0	11.7	
53 n-Heptane	43	12.056	12.056	0.000	92	255686	10.0	10.7	
* 54 1,4-Difluorobenzene	114	12.563	12.563	0.000	96	608433	10.0	10.0	
55 n-Butanol	56	13.000	13.000	0.000	92	75307	10.0	9.82	
56 Trichloroethene	95	13.022	13.022	0.000	92	232921	10.0	11.0	
A 57 GRO	1	13.160	(4.841-21.480)		0	58256057	10.0	0	
58 1,2-Dichloropropane	63	13.603	13.603	0.000	87	216172	10.0	11.3	
59 Methyl methacrylate	69	13.796	13.796	0.000	91	198749	10.0	11.3	
60 1,4-Dioxane	88	13.854	13.854	0.000	96	71150	10.0	9.98	
61 Dibromomethane	174	13.865	13.865	0.000	89	174091	10.0	10.2	
62 Dichlorobromomethane	83	14.175	14.175	0.000	100	480870	10.0	11.8	
A 63 TVOC as Toluene	1	14.879	(2.994-26.764)		0	106763590	10.0	3099.1	
64 cis-1,3-Dichloropropene	75	15.119	15.119	0.000	95	335791	10.0	11.4	
65 4-Methyl-2-pentanone (MIBK	43	15.429	15.429	0.000	97	463756	10.0	11.7	
66 Toluene	92	15.706	15.706	0.000	93	370922	10.0	10.2	
A 67 Toluene Range	1	15.706	(15.666-15.746)		0	1580690	NC	NC	
68 n-Octane	43	15.760	15.760	0.000	93	472858	10.0	11.6	
A 69 C8 Range	1	16.000	(15.759-16.260)		0	1850879	NC	NC	
70 trans-1,3-Dichloropropene	75	16.325	16.325	0.000	96	365040	10.0	10.8	
71 1,1,2-Trichloroethane	83	16.699	16.699	0.000	93	207858	10.0	10.6	
72 Tetrachloroethene	166	16.779	16.779	0.000	91	262742	10.0	9.42	
73 2-Hexanone	43	17.158	17.158	0.000	97	442156	10.0	10.8	
74 Chlorodibromomethane	129	17.457	17.457	0.000	97	424703	10.0	10.7	
75 Ethylene Dibromide	107	17.724	17.724	0.000	98	363234	10.0	10.4	
* 76 Chlorobenzene-d5	117	18.615	18.615	0.000	91	640928	10.0	10.0	
77 Chlorobenzene	112	18.674	18.674	0.000	88	464901	10.0	9.74	
78 Ethylbenzene	91	18.828	18.828	0.000	99	851067	10.0	10.5	
79 n-Nonane	57	18.946	18.946	0.000	91	452286	10.0	10.9	
81 m-Xylene & p-Xylene	106	19.079	19.079	0.000	97	601601	20.0	20.0	
83 o-Xylene	106	19.917	19.917	0.000	92	314606	10.0	10.0	
84 Styrene	104	19.970	19.970	0.000	92	463062	10.0	10.3	
S 82 Xylenes, Total	106				0		30.0	30.0	
85 Bromoform	173	20.387	20.387	0.000	92	378322	10.0	10.4	
86 Isopropylbenzene	105	20.589	20.589	0.000	98	911994	10.0	10.3	
$ 87 4-Bromofluorobenzene	95	20.958	20.958	0.000	80	531900	NC	NC	
88 1,1,2,2-Tetrachloroethane	83	21.246	21.246	0.000	97	528851	10.0	10.5	
90 N-Propylbenzene	91	21.299	21.299	0.000	98	1157898	10.0	10.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
89 1,2,3-Trichloropropane	75	21.337	21.337	0.000	97	453953	10.0	11.0	
93 n-Decane	57	21.470	21.470	0.000	88	533281	10.0	11.2	
91 4-Ethyltoluene	105	21.491	21.491	0.000	97	847591	10.0	10.2	
92 2-Chlorotoluene	91	21.497	21.497	0.000	95	799170	10.0	10.4	
94 1,3,5-Trimethylbenzene	105	21.593	21.593	0.000	91	795971	10.0	10.5	
95 Alpha Methyl Styrene	118	21.961	21.961	0.000	84	367909	10.0	10.9	
96 tert-Butylbenzene	119	22.078	22.078	0.000	89	707140	10.0	10.2	
97 1,2,4-Trimethylbenzene	105	22.175	22.175	0.000	98	799990	10.0	10.6	
98 sec-Butylbenzene	105	22.399	22.399	0.000	97	1086195	10.0	10.4	
99 4-Isopropyltoluene	119	22.601	22.601	0.000	95	876039	10.0	10.3	
100 1,3-Dichlorobenzene	146	22.628	22.628	0.000	91	473208	10.0	9.89	
101 1,4-Dichlorobenzene	146	22.762	22.762	0.000	90	490155	10.0	10.0	
102 Benzyl chloride	91	22.964	22.964	0.000	97	733351	10.0	11.0	
103 n-Butylbenzene	91	23.167	23.167	0.000	98	918749	10.0	11.1	
104 Undecane	57	23.189	23.189	0.000	94	610911	10.0	12.1	
105 1,2-Dichlorobenzene	146	23.295	23.295	0.000	91	465748	10.0	9.90	
106 Dodecane	57	24.768	24.768	0.000	96	435850	10.0	11.1	
107 1,2,4-Trichlorobenzene	180	25.793	25.793	0.000	92	282590	10.0	10.1	
108 Hexachlorobutadiene	225	25.974	25.974	0.000	90	322591	10.0	10.5	
109 Naphthalene	128	26.279	26.279	0.000	98	690365	10.0	11.0	
110 1,2,3-Trichlorobenzene	180	26.754	26.754	0.000	95	216939	10.0	10.9	

QC Flag Legend

Processing Flags
NC - Not Calibrated

Reagents:

ATTO15CAL4w_00370	Amount Added: 200.00	Units: mL	
ATTO15CISs_00006	Amount Added: 20.00	Units: mL	Run Reagent

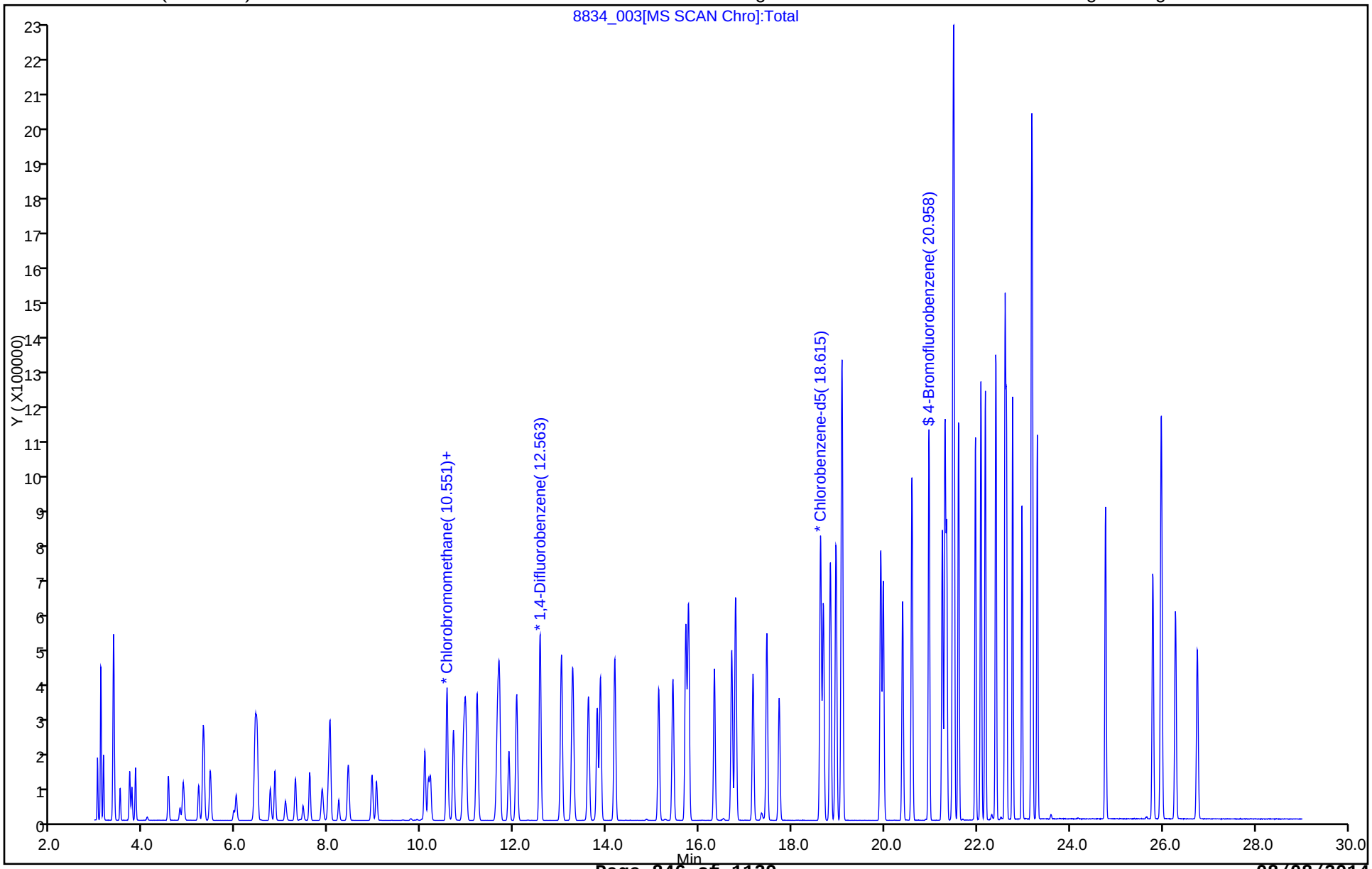
Report Date: 04-Aug-2014 13:39:51 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140804-8834.b\8834_003.D

Injection Date:	04-Aug-2014 10:32:30	Instrument ID:	CHC.i	Operator ID:	wrd
Lims ID:	ccvis			Worklist Smp#:	3
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	2
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 VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Lab Sample ID: CCVIS 200-75651/2 Calibration Date: 08/05/2014 11:05

Instrument ID: CHC.i Calib Start Date: 07/17/2014 12:55

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 07/18/2014 09:36

Lab File ID: 8862_002.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.5866	0.7065		12.0	10.0	20.4	30.0
Dichlorodifluoromethane	Ave	3.097	3.896		12.6	10.0	25.8	30.0
Freon 22	Ave	1.387	1.744		12.6	10.0	25.8	30.0
1,2-Dichlorotetrafluoroethane	Ave	2.679	3.166		11.8	10.0	18.2	30.0
Chloromethane	Ave	0.7367	0.8826		12.0	10.0	19.8	30.0
n-Butane	Ave	1.195	1.300		10.9	10.0	8.8	30.0
Vinyl chloride	Ave	0.9018	0.9718		10.8	10.0	7.8	30.0
1,3-Butadiene	Ave	0.6772	0.7354		10.9	10.0	8.6	30.0
Bromomethane	Ave	0.9214	0.8670		9.41	10.0	-5.9	30.0
Chloroethane	Ave	0.3933	0.3648		9.28	10.0	-7.2	30.0
Isopentane	Ave	0.7308	0.6764		9.25	10.0	-7.4	30.0
Bromoethene(Vinyl Bromide)	Ave	0.9068	0.7861		8.67	10.0	-13.3	30.0
Trichlorofluoromethane	Ave	3.311	3.579		10.8	10.0	8.1	30.0
n-Pentane	Ave	1.222	1.351		11.1	10.0	10.6	30.0
Ethanol	Ave	0.2427	0.2669		16.5	15.0	10.0	30.0
Ethyl ether	Ave	0.5219	0.5909		11.3	10.0	13.2	30.0
Acrolein	Ave	0.2229	0.2596		11.6	10.0	16.4	30.0
Freon TF	Ave	1.853	1.986		10.7	10.0	7.2	30.0
1,1-Dichloroethene	Ave	0.8710	0.9099		10.4	10.0	4.5	30.0
Acetone	Ave	1.205	1.517		12.6	10.0	25.9	30.0
Carbon disulfide	Ave	2.558	2.464		9.63	10.0	-3.7	30.0
Isopropyl alcohol	Ave	0.9611	0.9693		10.1	10.0	0.9	30.0
3-Chloropropene	Ave	0.9161	1.006		11.0	10.0	9.8	30.0
Acetonitrile	Ave	0.4659	0.5102		10.9	10.0	9.5	30.0
Methylene Chloride	Ave	0.8513	0.9680		11.4	10.0	13.7	30.0
tert-Butyl alcohol	Ave	1.585	1.637		10.3	10.0	3.3	30.0
Methyl tert-butyl ether	Ave	2.567	2.772		10.8	10.0	8.0	30.0
trans-1,2-Dichloroethene	Ave	1.209	1.312		10.9	10.0	8.6	30.0
Acrylonitrile	Ave	0.4966	0.5363		10.8	10.0	8.0	30.0
n-Hexane	Ave	1.110	1.177		10.6	10.0	6.0	30.0
1,1-Dichloroethane	Ave	1.618	1.758		10.9	10.0	8.7	30.0
Vinyl acetate	Ave	2.010	2.263		11.3	10.0	12.6	30.0
cis-1,2-Dichloroethene	Ave	1.154	1.150		9.96	10.0	-0.4	30.0
Methyl Ethyl Ketone	Ave	0.5311	0.5018		9.45	10.0	-5.5	30.0
Ethyl acetate	Ave	0.0817	0.0804		9.85	10.0	-1.5	30.0
Tetrahydrofuran	Ave	0.1637	0.1774		10.8	10.0	8.4	30.0
Chloroform	Ave	2.706	2.970		11.0	10.0	9.8	30.0
Cyclohexane	Ave	0.2498	0.2442		9.77	10.0	-2.3	30.0
1,1,1-Trichloroethane	Ave	0.5201	0.5567		10.7	10.0	7.0	30.0
Carbon tetrachloride	Ave	0.5638	0.6018		10.7	10.0	6.7	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Lab Sample ID: CCVIS 200-75651/2 Calibration Date: 08/05/2014 11:05

Instrument ID: CHC.i Calib Start Date: 07/17/2014 12:55

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 07/18/2014 09:36

Lab File ID: 8862_002.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,2,4-Trimethylpentane	Ave	0.9842	1.052		10.7	10.0	6.9	30.0
Benzene	Ave	0.6336	0.6388		10.1	10.0	0.8	30.0
1,2-Dichloroethane	Ave	0.3589	0.4246		11.8	10.0	18.3	30.0
n-Heptane	Ave	0.3917	0.4486		11.5	10.0	14.5	30.0
n-Butanol	Ave	0.1260	0.1331		10.6	10.0	5.6	30.0
Trichloroethene	Ave	0.3473	0.3903		11.2	10.0	12.4	30.0
1,2-Dichloropropane	Ave	0.3148	0.3682		11.7	10.0	17.0	30.0
Methyl methacrylate	Ave	0.2882	0.3339		11.6	10.0	15.9	30.0
1,4-Dioxane	Ave	0.1172	0.1187		10.1	10.0	1.3	30.0
Dibromomethane	Ave	0.2792	0.2808		10.1	10.0	0.6	30.0
Bromodichloromethane	Ave	0.6672	0.7859		11.8	10.0	17.8	30.0
cis-1,3-Dichloropropene	Ave	0.4833	0.5563		11.5	10.0	15.1	30.0
methyl isobutyl ketone	Ave	0.6496	0.7754		11.9	10.0	19.4	30.0
Toluene	Ave	0.5662	0.5655		9.99	10.0	-0.1	30.0
n-Octane	Ave	0.6672	0.8106		12.1	10.0	21.5	30.0
trans-1,3-Dichloropropene	Ave	0.5562	0.6063		10.9	10.0	9.0	30.0
1,1,2-Trichloroethane	Ave	0.3046	0.3261		10.7	10.0	7.1	30.0
Tetrachloroethene	Ave	0.4350	0.3978		9.14	10.0	-8.6	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.6374	0.6935		10.9	10.0	8.8	30.0
Dibromochloromethane	Ave	0.6172	0.6601		10.7	10.0	6.9	30.0
1,2-Dibromoethane	Ave	0.5460	0.5653		10.4	10.0	3.5	30.0
Chlorobenzene	Ave	0.7449	0.7156		9.60	10.0	-3.9	30.0
Ethylbenzene	Ave	1.262	1.312		10.4	10.0	3.9	30.0
n-Nonane	Ave	0.6459	0.7143		11.1	10.0	10.6	30.0
m,p-Xylene	Ave	0.4694	0.4637		19.8	20.0	-1.2	30.0
Xylene, o-	Ave	0.4892	0.4867		9.95	10.0	-0.5	30.0
Styrene	Ave	0.7003	0.7205		10.3	10.0	2.9	30.0
Bromoform	Ave	0.5663	0.5766		10.2	10.0	1.8	30.0
Cumene	Ave	1.378	1.408		10.2	10.0	2.1	30.0
1,1,2,2-Tetrachloroethane	Ave	0.7846	0.8436		10.8	10.0	7.5	30.0
n-Propylbenzene	Ave	1.694	1.817		10.7	10.0	7.2	30.0
1,2,3-Trichloropropane	Ave	0.6451	0.7179		11.1	10.0	11.3	30.0
n-Decane	Ave	0.7430	0.8585		11.6	10.0	15.5	30.0
4-Ethyltoluene	Ave	1.290	1.320		10.2	10.0	2.3	30.0
2-Chlorotoluene	Ave	1.202	1.256		10.4	10.0	4.5	30.0
1,3,5-Trimethylbenzene	Ave	1.182	1.239		10.5	10.0	4.9	30.0
Alpha Methyl Styrene	Ave	0.5254	0.5680		10.8	10.0	8.1	30.0
tert-Butylbenzene	Ave	1.086	1.102		10.1	10.0	1.5	30.0
1,2,4-Trimethylbenzene	Ave	1.177	1.234		10.5	10.0	4.8	30.0
sec-Butylbenzene	Ave	1.628	1.693		10.4	10.0	4.0	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Lab Sample ID: CCVIS 200-75651/2 Calibration Date: 08/05/2014 11:05

Instrument ID: CHC.i Calib Start Date: 07/17/2014 12:55

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 07/18/2014 09:36

Lab File ID: 8862_002.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Isopropyltoluene	Ave	1.326	1.355		10.2	10.0	2.2	30.0
1,3-Dichlorobenzene	Ave	0.7467	0.7175		9.61	10.0	-3.9	30.0
1,4-Dichlorobenzene	Ave	0.7623	0.7466		9.79	10.0	-2.1	30.0
Benzyl chloride	Ave	1.043	1.131		10.8	10.0	8.5	30.0
n-Butylbenzene	Ave	1.297	1.439		11.1	10.0	11.0	30.0
n-Undecane	Ave	0.7899	0.9684		12.3	10.0	22.6	30.0
1,2-Dichlorobenzene	Ave	0.7343	0.7179		9.77	10.0	-2.2	30.0
n-Dodecane	Ave	0.6117	0.6504		10.6	10.0	6.3	30.0
1,2,4-Trichlorobenzene	Ave	0.4368	0.4225		9.67	10.0	-3.3	30.0
Hexachlorobutadiene	Ave	0.4805	0.4861		10.1	10.0	1.2	30.0
Naphthalene	Ave	0.9798	1.046		10.7	10.0	6.7	30.0
1,2,3-Trichlorobenzene	Ave	0.3095	0.3218		10.4	10.0	4.0	30.0

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140805-8862.b\8862_002.D
Lims ID: ccvis
Client ID:
Sample Type: CCVIS
Inject. Date: 05-Aug-2014 11:05:30 ALS Bottle#: 2 Worklist Smp#: 2
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0008862-002
Misc. Info.: ccvis
Operator ID: wrd Instrument ID: CHC.i
Sublist: chrom-TO15_LLNJ_TO3_CHC*sub2

Method: \\BTV-LIMS1\ChromData\CHC.i\20140805-8862.b\TO15_LLNJ_TO3_CHC.m
Limit Group: AI_TO15_ICAL
Last Update: 05-Aug-2014 13:08:52 Calib Date: 18-Jul-2014 09:36:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\8605_018.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK011

First Level Reviewer: lyonsb Date: 05-Aug-2014 13:08:51

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	3.004	3.004	0.000	96	68772	10.0	12.0	
2 Dichlorodifluoromethane	85	3.079	3.079	0.000	88	379222	10.0	12.6	
6 Chlorodifluoromethane	51	3.132	3.132	0.000	79	169790	10.0	12.6	
7 1,2-Dichloro-1,1,2,2-tetra	85	3.351	3.351	0.000	90	308161	10.0	11.8	
8 Chloromethane	50	3.495	3.495	0.000	88	85914	10.0	12.0	
9 Butane	43	3.698	3.698	0.000	95	126555	10.0	10.9	
10 Vinyl chloride	62	3.746	3.746	0.000	82	94606	10.0	10.8	
11 Butadiene	54	3.826	3.826	0.000	93	71593	10.0	10.9	
12 Bromomethane	94	4.536	4.536	0.000	92	84404	10.0	9.41	
18 BFB									
13 Chloroethane	64	4.782	4.782	0.000	95	35516	10.0	9.28	
14 2-Methylbutane	43	4.856	4.856	0.000	90	65845	10.0	9.25	
15 Vinyl bromide	106	5.187	5.187	0.000	94	76525	10.0	8.67	
16 Trichlorofluoromethane	101	5.294	5.294	0.000	99	348440	10.0	10.8	
17 Pentane	43	5.438	5.438	0.000	94	131502	10.0	11.1	
19 Ethanol	45	5.950	5.950	0.000	82	38989	15.0	16.5	
21 Ethyl ether	59	5.998	5.998	0.000	74	57525	10.0	11.3	
22 Acrolein	56	6.409	6.409	0.000	41	25272	10.0	11.6	
23 1,1,2-Trichloro-1,2,2-trif	101	6.415	6.415	0.000	95	193375	10.0	10.7	
24 1,1-Dichloroethene	96	6.457	6.457	0.000	99	88580	10.0	10.4	
25 Acetone	43	6.740	6.740	0.000	77	147705	10.0	12.6	
26 Carbon disulfide	76	6.836	6.836	0.000	99	239896	10.0	9.63	
27 Isopropyl alcohol	45	7.066	7.066	0.000	97	94354	10.0	10.1	
29 3-Chloro-1-propene	41	7.279	7.279	0.000	86	97890	10.0	11.0	
30 Acetonitrile	41	7.439	7.439	0.000	98	49663	10.0	10.9	
31 Methylene Chloride	49	7.589	7.589	0.000	89	94235	10.0	11.4	
32 2-Methyl-2-propanol	59	7.856	7.856	0.000	98	159393	10.0	10.3	
33 Methyl tert-butyl ether	73	8.005	8.005	0.000	95	269874	10.0	10.8	
34 trans-1,2-Dichloroethene	61	8.032	8.032	0.000	94	127756	10.0	10.9	
35 Acrylonitrile	53	8.219	8.219	0.000	92	52203	10.0	10.8	

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	8.416	8.416	0.000	89	114541	10.0	10.6	
37 1,1-Dichloroethane	63	8.928	8.928	0.000	99	171174	10.0	10.9	
38 Vinyl acetate	43	9.030	9.030	0.000	99	220342	10.0	11.3	
39 cis-1,2-Dichloroethene	96	10.076	10.076	0.000	96	111920	10.0	9.96	
40 2-Butanone (MEK)	72	10.145	10.145	0.000	94	48849	10.0	9.45	
42 Ethyl acetate	88	10.193	10.193	0.000	93	7830	10.0	9.85	
S 41 1,2-Dichloroethene, Total	61				0		20.0	20.8	
* 43 Chlorobromomethane	128	10.545	10.545	0.000	89	97366	10.0	10.0	
44 Tetrahydrofuran	42	10.567	10.567	0.000	89	108436	10.0	10.8	
45 Chloroform	83	10.690	10.690	0.000	98	289124	10.0	11.0	
46 Cyclohexane	84	10.908	10.908	0.000	93	149262	10.0	9.77	
47 1,1,1-Trichloroethane	97	10.951	10.951	0.000	95	340291	10.0	10.7	
48 Carbon tetrachloride	117	11.202	11.202	0.000	99	367828	10.0	10.7	
51 Isooctane	57	11.650	11.650	0.000	98	643034	10.0	10.7	
50 Benzene	78	11.688	11.688	0.000	97	390438	10.0	10.1	
52 1,2-Dichloroethane	62	11.890	11.890	0.000	99	259559	10.0	11.8	
53 n-Heptane	43	12.056	12.056	0.000	93	274225	10.0	11.5	
* 54 1,4-Difluorobenzene	114	12.563	12.563	0.000	97	611371	10.0	10.0	
55 n-Butanol	56	13.000	13.000	0.000	69	81348	10.0	10.6	
56 Trichloroethene	95	13.022	13.022	0.000	91	238587	10.0	11.2	
A 57 GRO	1	13.163	(4.846-21.480)		0	59181279	10.0	0	
58 1,2-Dichloropropane	63	13.603	13.603	0.000	87	225061	10.0	11.7	
59 Methyl methacrylate	69	13.790	13.790	0.000	90	204104	10.0	11.6	
60 1,4-Dioxane	88	13.849	13.849	0.000	41	72581	10.0	10.1	
61 Dibromomethane	174	13.865	13.865	0.000	87	171643	10.0	10.1	
62 Dichlorobromomethane	83	14.175	14.175	0.000	99	480398	10.0	11.8	
A 63 TVOC as Toluene	1	14.876	(2.994-26.758)		0	108939376	10.0	3147.1	
64 cis-1,3-Dichloropropene	75	15.119	15.119	0.000	95	340015	10.0	11.5	
65 4-Methyl-2-pentanone (MIBK	43	15.429	15.429	0.000	97	473988	10.0	11.9	
A 67 Toluene Range	1	15.706	(15.666-15.746)		0	1609557	NC	NC	
66 Toluene	92	15.706	15.706	0.000	93	376569	10.0	9.99	
68 n-Octane	43	15.765	15.765	0.000	94	495464	10.0	12.1	
A 69 C8 Range	1	16.005	(15.764-16.265)		0	1922430	NC	NC	
70 trans-1,3-Dichloropropene	75	16.325	16.325	0.000	97	370620	10.0	10.9	
71 1,1,2-Trichloroethane	83	16.699	16.699	0.000	88	217172	10.0	10.7	
72 Tetrachloroethene	166	16.784	16.784	0.000	83	264885	10.0	9.14	
73 2-Hexanone	43	17.158	17.158	0.000	97	461847	10.0	10.9	
74 Chlorodibromomethane	129	17.457	17.457	0.000	97	439586	10.0	10.7	
75 Ethylene Dibromide	107	17.724	17.724	0.000	97	376472	10.0	10.4	
* 76 Chlorobenzene-d5	117	18.615	18.615	0.000	85	666058	10.0	10.0	
77 Chlorobenzene	112	18.679	18.679	0.000	87	476551	10.0	9.60	
78 Ethylbenzene	91	18.828	18.828	0.000	99	873645	10.0	10.4	
79 n-Nonane	57	18.951	18.951	0.000	89	475649	10.0	11.1	
81 m-Xylene & p-Xylene	106	19.079	19.079	0.000	97	617586	20.0	19.8	
83 o-Xylene	106	19.912	19.912	0.000	89	324113	10.0	9.95	
84 Styrene	104	19.970	19.970	0.000	90	479818	10.0	10.3	
S 82 Xylenes, Total	106				0		30.0	29.7	
85 Bromoform	173	20.387	20.387	0.000	91	383994	10.0	10.2	
86 Isopropylbenzene	105	20.589	20.589	0.000	98	937458	10.0	10.2	
$ 87 4-Bromofluorobenzene	95	20.958	20.958	0.000	79	566875	NC	NC	
88 1,1,2,2-Tetrachloroethane	83	21.246	21.246	0.000	95	561796	10.0	10.8	
90 N-Propylbenzene	91	21.299	21.299	0.000	98	1209713	10.0	10.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
89 1,2,3-Trichloropropane	75	21.337	21.337	0.000	93	478053	10.0	11.1	
93 n-Decane	57	21.470	21.470	0.000	88	571723	10.0	11.6	
91 4-Ethyltoluene	105	21.491	21.491	0.000	87	878707	10.0	10.2	
92 2-Chlorotoluene	91	21.497	21.497	0.000	95	836282	10.0	10.4	
94 1,3,5-Trimethylbenzene	105	21.593	21.593	0.000	90	825165	10.0	10.5	
95 Alpha Methyl Styrene	118	21.961	21.961	0.000	83	378241	10.0	10.8	
96 tert-Butylbenzene	119	22.078	22.078	0.000	88	733696	10.0	10.1	
97 1,2,4-Trimethylbenzene	105	22.175	22.175	0.000	98	821454	10.0	10.5	
98 sec-Butylbenzene	105	22.399	22.399	0.000	96	1127578	10.0	10.4	
99 4-Isopropyltoluene	119	22.601	22.601	0.000	91	902079	10.0	10.2	
100 1,3-Dichlorobenzene	146	22.628	22.628	0.000	90	477804	10.0	9.61	
101 1,4-Dichlorobenzene	146	22.762	22.762	0.000	90	497159	10.0	9.79	
102 Benzyl chloride	91	22.964	22.964	0.000	97	753239	10.0	10.8	
103 n-Butylbenzene	91	23.167	23.167	0.000	98	958366	10.0	11.1	
104 Undecane	57	23.189	23.189	0.000	95	644868	10.0	12.3	
105 1,2-Dichlorobenzene	146	23.295	23.295	0.000	90	478078	10.0	9.77	
106 Dodecane	57	24.768	24.768	0.000	96	433144	10.0	10.6	
107 1,2,4-Trichlorobenzene	180	25.788	25.788	0.000	91	281355	10.0	9.67	
108 Hexachlorobutadiene	225	25.974	25.974	0.000	84	323735	10.0	10.1	
109 Naphthalene	128	26.279	26.279	0.000	98	696234	10.0	10.7	
110 1,2,3-Trichlorobenzene	180	26.748	26.748	0.000	92	214261	10.0	10.4	

QC Flag Legend

Processing Flags
NC - Not Calibrated

Reagents:

ATTO15CAL4w_00370	Amount Added: 200.00	Units: mL	
ATTO15CISs_00006	Amount Added: 20.00	Units: mL	Run Reagent

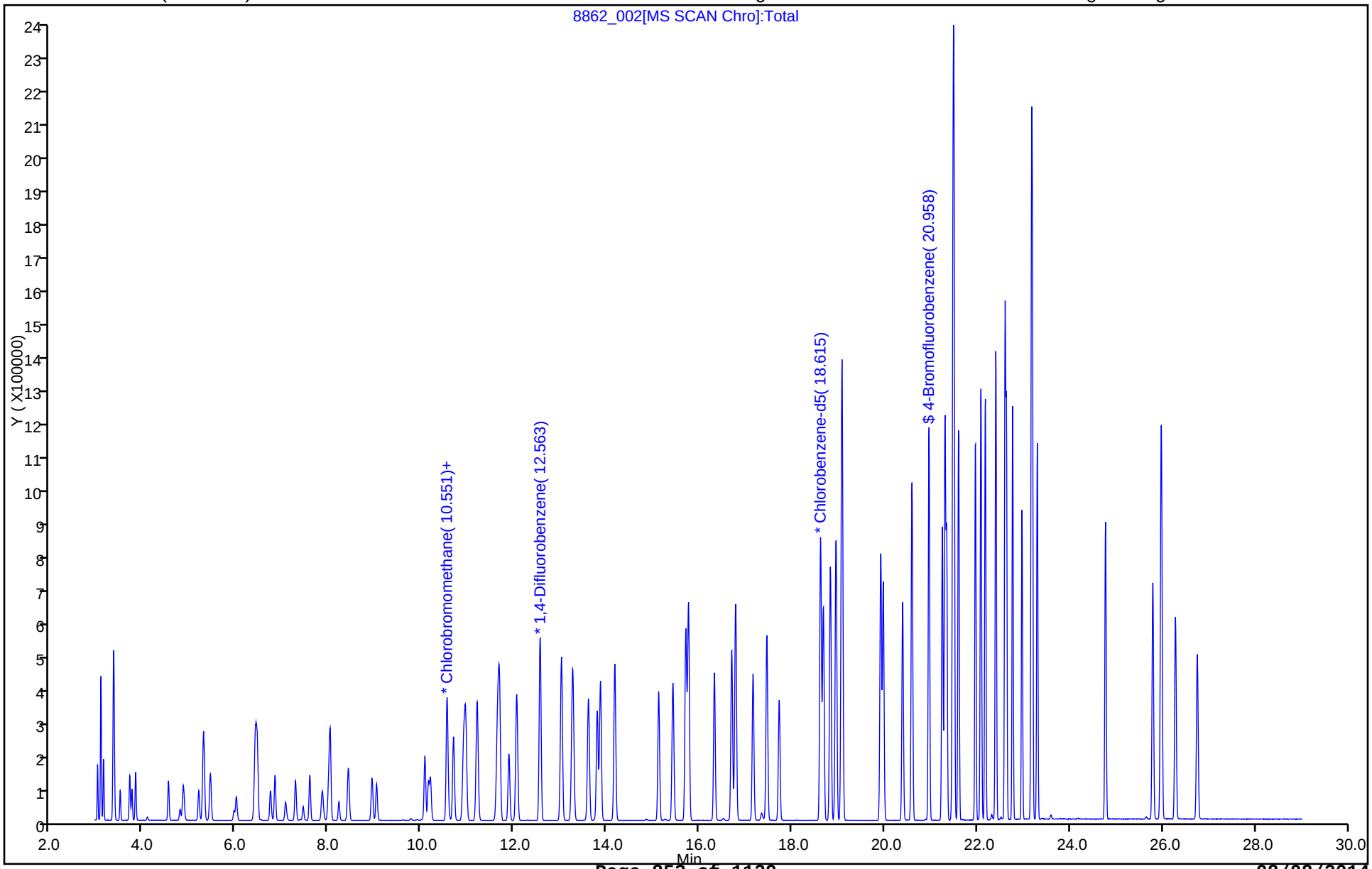
Report Date: 05-Aug-2014 13:08:52 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140805-8862.b\8862_002.D

Injection Date:	05-Aug-2014 11:05:30	Instrument ID:	CHC.i	Operator ID:	wrd
Lims ID:	ccvis			Worklist Smp#:	2
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	2
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 VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Lab Sample ID: ICV 200-74492/13 Calibration Date: 07/03/2014 01:24

Instrument ID: CHG.i Calib Start Date: 07/02/2014 16:53

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 07/02/2014 22:50

Lab File ID: 8394_013.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.2338	0.2141		9.16	10.0	-8.4	30.0
Dichlorodifluoromethane	Ave	1.871	1.815		9.70	10.0	-3.0	30.0
Freon 22	Ave	0.7199	0.7010		9.74	10.0	-2.6	30.0
1,2-Dichlorotetrafluoroethane	Ave	1.634	1.736		10.6	10.0	6.3	30.0
Chloromethane	Ave	0.3592	0.3410		9.49	10.0	-5.1	30.0
n-Butane	Ave	0.4505	0.4377		9.71	10.0	-2.8	30.0
Vinyl chloride	Ave	0.5088	0.4599		9.04	10.0	-9.6	30.0
1,3-Butadiene	Ave	0.2983	0.2720		9.12	10.0	-8.8	30.0
Bromomethane	Ave	0.7000	0.6762		9.66	10.0	-3.4	30.0
Chloroethane	Ave	0.1763	0.1670		9.47	10.0	-5.3	30.0
Isopentane	Ave	0.2766	0.2840		10.3	10.0	2.7	30.0
Bromoethene(Vinyl Bromide)	Ave	0.8183	0.8003		9.78	10.0	-2.2	30.0
Trichlorofluoromethane	Ave	2.091	2.003		9.58	10.0	-4.2	30.0
n-Pentane	Ave	0.4626	0.4918		10.6	10.0	6.3	30.0
Ethanol	Ave	0.1110	0.1309		17.7	15.0	17.9	30.0
Ethyl ether	Ave	0.2427	0.2588		10.7	10.0	6.6	30.0
Acrolein	Ave	0.1036	0.1091		10.5	10.0	5.3	30.0
Freon TF	Ave	1.371	1.353		9.86	10.0	-1.4	30.0
1,1-Dichloroethene	Ave	0.5986	0.5753		9.61	10.0	-3.9	30.0
Acetone	Ave	0.4904	0.5234		10.7	10.0	6.7	30.0
Carbon disulfide	Ave	1.558	1.906		12.2	10.0	22.4	30.0
Isopropyl alcohol	Ave	0.4088	0.3535		8.64	10.0	-13.5	30.0
3-Chloropropene	Ave	0.3821	0.3418		8.94	10.0	-10.5	30.0
Acetonitrile	Ave	0.1943	0.2046		10.5	10.0	5.3	30.0
Methylene Chloride	Ave	0.4358	0.4358		10.0	10.0	0.0	30.0
tert-Butyl alcohol	Ave	0.7572	0.6822		9.01	10.0	-9.9	30.0
Methyl tert-butyl ether	Ave	1.368	1.341		9.80	10.0	-2.0	30.0
trans-1,2-Dichloroethene	Ave	0.6489	0.6686		10.3	10.0	3.0	30.0
Acrylonitrile	Ave	0.2379	0.2476		10.4	10.0	4.1	30.0
n-Hexane	Ave	0.5029	0.5157		10.3	10.0	2.5	30.0
1,1-Dichloroethane	Ave	0.9557	0.8985		9.40	10.0	-6.0	30.0
Vinyl acetate	Ave	0.8690	0.8255		9.50	10.0	-5.0	30.0
cis-1,2-Dichloroethene	Ave	0.8737	0.8398		9.61	10.0	-3.9	30.0
Methyl Ethyl Ketone	Ave	0.2683	0.2606		9.71	10.0	-2.9	30.0
Ethyl acetate	Ave	0.0399	0.0431		10.8	10.0	8.1	30.0
Tetrahydrofuran	Ave	0.0677	0.0668		9.86	10.0	-1.4	30.0
Chloroform	Ave	1.804	1.781		9.87	10.0	-1.3	30.0
Cyclohexane	Ave	0.1594	0.1537		9.64	10.0	-3.6	30.0
1,1,1-Trichloroethane	Ave	0.3670	0.3563		9.71	10.0	-2.9	30.0
Carbon tetrachloride	Ave	0.4945	0.4639		9.38	10.0	-6.2	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Lab Sample ID: ICV 200-74492/13 Calibration Date: 07/03/2014 01:24

Instrument ID: CHG.i Calib Start Date: 07/02/2014 16:53

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 07/02/2014 22:50

Lab File ID: 8394_013.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,2,4-Trimethylpentane	Ave	0.4864	0.4621		9.50	10.0	-5.0	30.0
Benzene	Ave	0.4422	0.4153		9.39	10.0	-6.1	30.0
1,2-Dichloroethane	Ave	0.2082	0.2007		9.64	10.0	-3.6	30.0
n-Heptane	Ave	0.1608	0.1511		9.39	10.0	-6.0	30.0
n-Butanol	Ave	0.0621	0.0616		9.91	10.0	-0.9	30.0
Trichloroethene	Ave	0.3198	0.2981		9.32	10.0	-6.8	30.0
1,2-Dichloropropane	Ave	0.2024	0.1954		9.65	10.0	-3.4	30.0
Methyl methacrylate	Ave	0.1806	0.1869		10.3	10.0	3.5	30.0
1,4-Dioxane	Ave	0.0971	0.0946		9.75	10.0	-2.5	30.0
Dibromomethane	Ave	0.4563	0.4543		9.95	10.0	-0.4	30.0
Bromodichloromethane	Ave	0.5614	0.5512		9.82	10.0	-1.8	30.0
cis-1,3-Dichloropropene	Ave	0.3957	0.4004		10.1	10.0	1.2	30.0
methyl isobutyl ketone	Ave	0.3447	0.3167		9.19	10.0	-8.1	30.0
Toluene	Ave	0.4577	0.4628		10.1	10.0	1.1	30.0
n-Octane	Ave	0.3178	0.3170		9.97	10.0	-0.3	30.0
trans-1,3-Dichloropropene	Ave	0.4092	0.4210		10.3	10.0	2.9	30.0
1,1,2-Trichloroethane	Ave	0.2430	0.2466		10.1	10.0	1.4	30.0
Tetrachloroethene	Ave	0.6138	0.5878		9.57	10.0	-4.2	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.2925	0.2645		9.04	10.0	-9.6	30.0
Dibromochloromethane	Ave	0.6932	0.6887		9.93	10.0	-0.6	30.0
1,2-Dibromoethane	Ave	0.5394	0.5484		10.2	10.0	1.7	30.0
Chlorobenzene	Ave	0.7324	0.7259		9.91	10.0	-0.9	30.0
Ethylbenzene	Ave	0.9563	0.9594		10.0	10.0	0.3	30.0
n-Nonane	Ave	0.3205	0.3183		9.93	10.0	-0.7	30.0
m,p-Xylene	Ave	0.4175	0.4144		19.8	20.0	-0.8	30.0
Xylene, o-	Ave	0.4393	0.4362		9.93	10.0	-0.7	30.0
Styrene	Ave	0.6156	0.6317		10.3	10.0	2.6	30.0
Bromoform	Ave	0.8018	0.8161		10.2	10.0	1.8	30.0
Cumene	Ave	1.164	1.138		9.77	10.0	-2.3	30.0
1,1,2,2-Tetrachloroethane	Ave	0.6024	0.6122		10.2	10.0	1.6	30.0
n-Propylbenzene	Ave	1.295	1.271		9.81	10.0	-1.9	30.0
1,2,3-Trichloropropane	Ave	0.4209	0.4117		9.78	10.0	-2.2	30.0
n-Decane	Ave	0.3644	0.3681		10.1	10.0	1.0	30.0
4-Ethyltoluene	Ave	1.074	1.096		10.2	10.0	2.1	30.0
2-Chlorotoluene	Ave	0.8462	0.8329		9.84	10.0	-1.6	30.0
1,3,5-Trimethylbenzene	Ave	0.9518	0.9600		10.1	10.0	0.9	30.0
Alpha Methyl Styrene	Ave	0.5397	0.5470		10.1	10.0	1.3	30.0
tert-Butylbenzene	Ave	0.9527	0.9562		10.0	10.0	0.4	30.0
1,2,4-Trimethylbenzene	Ave	0.9355	0.9091		9.72	10.0	-2.8	30.0
sec-Butylbenzene	Ave	1.336	1.325		9.91	10.0	-0.9	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Lab Sample ID: ICV 200-74492/13 Calibration Date: 07/03/2014 01:24

Instrument ID: CHG.i Calib Start Date: 07/02/2014 16:53

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 07/02/2014 22:50

Lab File ID: 8394_013.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Isopropyltoluene	Ave	1.195	1.204		10.1	10.0	0.7	30.0
1,3-Dichlorobenzene	Ave	0.8407	0.8232		9.79	10.0	-2.1	30.0
1,4-Dichlorobenzene	Ave	0.8855	0.8930		10.1	10.0	0.8	30.0
Benzyl chloride	Ave	0.7833	0.7213		9.21	10.0	-7.9	30.0
n-Butylbenzene	Ave	0.9443	0.9436		9.99	10.0	-0.0	30.0
n-Undecane	Ave	0.3741	0.3781		10.1	10.0	1.1	30.0
1,2-Dichlorobenzene	Ave	0.8269	0.8277		10.0	10.0	0.1	30.0
n-Dodecane	Ave	0.2663	0.3125		11.7	10.0	17.3	30.0
1,2,4-Trichlorobenzene	Ave	0.7277	0.7837		10.8	10.0	7.7	30.0
Hexachlorobutadiene	Ave	0.6489	0.7157		11.0	10.0	10.3	30.0
Naphthalene	Ave	1.232	1.284		10.4	10.0	4.3	30.0
1,2,3-Trichlorobenzene	Ave	0.5166	0.6571		12.7	10.0	27.2	30.0

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140702-8394.b\8394_013.D
Lims ID: icv
Client ID:
Sample Type: ICV
Inject. Date: 03-Jul-2014 01:24:30 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0008394-013
Misc. Info.: icv
Operator ID: PAD Instrument ID: CHG.i
Sublist:

Method: \\BTV-LIMS1\ChromData\CHG.i\20140702-8394.b\TO15_LLNJ_TO3_G.m
Limit Group: AI_TO15_ICAL
Last Update: 03-Jul-2014 18:03:04 Calib Date: 02-Jul-2014 22:50:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHG.i\20140702-8394.b\8394_010.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK016

First Level Reviewer: daiglep Date: 03-Jul-2014 12:32:17

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	2.758	2.758	0.000	96	167327	10.0	9.16	
2 Dichlorodifluoromethane	85	2.833	2.827	0.006	98	1418483	10.0	9.70	
6 Chlorodifluoromethane	51	2.886	2.886	0.000	96	547792	10.0	9.74	
7 1,2-Dichloro-1,1,2,2-tetra	85	3.105	3.105	0.000	91	1356626	10.0	10.6	
8 Chloromethane	50	3.245	3.244	0.001	99	266496	10.0	9.49	
9 Butane	43	3.453	3.453	0.000	97	342046	10.0	9.71	
10 Vinyl chloride	62	3.501	3.501	0.000	98	359389	10.0	9.04	
11 Butadiene	54	3.582	3.581	0.001	91	212537	10.0	9.12	
12 Bromomethane	94	4.298	4.298	0.000	98	528452	10.0	9.66	
14 Chloroethane	64	4.561	4.560	0.001	99	130511	10.0	9.47	
15 2-Methylbutane	43	4.630	4.635	-0.005	85	221971	10.0	10.3	
16 Vinyl bromide	106	4.972	4.972	0.000	98	625418	10.0	9.78	
17 Trichlorofluoromethane	101	5.079	5.079	0.000	98	1565368	10.0	9.58	
18 Pentane	43	5.235	5.235	0.001	95	384355	10.0	10.6	
19 Ethanol	45	5.737	5.737	0.000	95	153486	15.0	17.7	
21 Ethyl ether	59	5.802	5.802	0.000	92	202256	10.0	10.7	
13 BFB									
22 Acrolein	56	6.219	6.224	-0.005	96	85288	10.0	10.5	
23 1,1,2-Trichloro-1,2,2-trif	101	6.240	6.235	0.005	94	1057079	10.0	9.86	
24 1,1-Dichloroethene	96	6.272	6.278	-0.006	90	449570	10.0	9.61	
25 Acetone	43	6.556	6.556	0.000	87	409014	10.0	10.7	
26 Carbon disulfide	76	6.658	6.658	0.000	98	1489658	10.0	12.2	
27 Isopropyl alcohol	45	6.888	6.888	0.000	98	276222	10.0	8.64	
29 3-Chloro-1-propene	41	7.123	7.123	0.000	82	267133	10.0	8.94	
30 Acetonitrile	41	7.294	7.294	0.000	98	159922	10.0	10.5	
31 Methylene Chloride	49	7.433	7.439	-0.006	79	340598	10.0	10.0	
32 2-Methyl-2-propanol	59	7.706	7.706	0.000	98	533102	10.0	9.01	
33 Methyl tert-butyl ether	73	7.851	7.851	0.001	94	1048161	10.0	9.80	
34 trans-1,2-Dichloroethene	61	7.888	7.883	0.005	86	522530	10.0	10.3	
35 Acrylonitrile	53	8.081	8.081	0.000	95	193473	10.0	10.4	

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	8.289	8.284	0.005	89	403025	10.0	10.3	
37 1,1-Dichloroethane	63	8.803	8.808	-0.005	99	702197	10.0	9.40	
38 Vinyl acetate	43	8.910	8.910	0.000	99	645111	10.0	9.50	
39 cis-1,2-Dichloroethene	96	9.953	9.958	-0.005	90	656290	10.0	9.61	
40 2-Butanone (MEK)	72	10.028	10.028	0.000	97	203629	10.0	9.71	
42 Ethyl acetate	88	10.081	10.076	0.005	98	33714	10.0	10.8	
S 41 1,2-Dichloroethene, Total	61				0		20.0	19.9	
44 Tetrahydrofuran	42	10.418	10.424	-0.006	78	304502	10.0	9.86	
* 43 Chlorobromomethane	128	10.435	10.434	0.001	66	781655	10.0	10.0	
45 Chloroform	83	10.579	10.579	0.000	99	1391709	10.0	9.87	
46 Cyclohexane	84	10.788	10.787	0.001	80	700679	10.0	9.64	
47 1,1,1-Trichloroethane	97	10.836	10.836	0.000	95	1623920	10.0	9.71	
48 Carbon tetrachloride	117	11.082	11.082	0.000	95	2114075	10.0	9.38	
51 Isooctane	57	11.531	11.531	0.000	99	2105955	10.0	9.50	
50 Benzene	78	11.569	11.569	0.000	93	1892904	10.0	9.39	
52 1,2-Dichloroethane	62	11.772	11.772	0.000	99	914571	10.0	9.64	
53 n-Heptane	43	11.938	11.938	0.000	88	688465	10.0	9.39	
* 54 1,4-Difluorobenzene	114	12.441	12.441	0.000	90	4558559	10.0	10.0	
55 n-Butanol	56	12.863	12.863	0.000	83	280672	10.0	9.91	
56 Trichloroethene	95	12.895	12.895	0.000	91	1358502	10.0	9.32	
A 57 GRO	1	13.074	(4.625-21.524)		0	303270390	10.0	0	
58 1,2-Dichloropropane	63	13.473	13.473	0.000	92	890681	10.0	9.65	
59 Methyl methacrylate	69	13.660	13.660	0.000	77	851908	10.0	10.3	
60 1,4-Dioxane	88	13.703	13.698	0.005	80	431279	10.0	9.75	
61 Dibromomethane	174	13.730	13.730	0.000	88	2070520	10.0	9.95	
62 Dichlorobromomethane	83	14.046	14.045	0.001	97	2512084	10.0	9.82	
A 63 TVOC as Toluene	1	14.776	(2.748-26.804)		0	582919608	10.0	0	
64 cis-1,3-Dichloropropene	75	15.025	15.024	0.001	85	1824654	10.0	10.1	
65 4-Methyl-2-pentanone (MIBK	43	15.346	15.345	0.001	91	1443490	10.0	9.19	
66 Toluene	92	15.634	15.634	0.000	94	2493261	10.0	10.1	
A 67 Toluene Range	1	15.634	(15.594-15.674)		0	8916941	NC	NC	
69 n-Octane	43	15.699	15.699	0.000	83	1444549	10.0	9.97	
A 68 C8 Range	1	15.713	(15.649-15.749)		0	6726212	NC	NC	
70 trans-1,3-Dichloropropene	75	16.271	16.271	0.000	91	1918644	10.0	10.3	
71 1,1,2-Trichloroethane	83	16.656	16.656	0.000	94	1328396	10.0	10.1	
72 Tetrachloroethene	166	16.736	16.736	0.000	93	3166713	10.0	9.57	
73 2-Hexanone	43	17.127	17.127	0.000	93	1425091	10.0	9.04	
74 Chlorodibromomethane	129	17.432	17.432	0.000	97	3710751	10.0	9.93	
75 Ethylene Dibromide	107	17.705	17.705	0.000	100	2954545	10.0	10.2	
* 76 Chlorobenzene-d5	117	18.620	18.614	0.006	79	5388793	10.0	10.0	
77 Chlorobenzene	112	18.678	18.678	0.000	99	3910806	10.0	9.91	
78 Ethylbenzene	91	18.834	18.833	0.001	96	5169008	10.0	10.0	
79 n-Nonane	57	18.962	18.962	0.000	82	1715090	10.0	9.93	
80 m-Xylene & p-Xylene	106	19.090	19.090	0.000	97	4465308	20.0	19.8	
83 o-Xylene	106	19.941	19.941	0.000	96	2350196	10.0	9.93	
84 Styrene	104	19.994	19.994	0.000	98	3403257	10.0	10.3	
S 82 Xylenes, Total	106				0		30.0	29.8	
85 Bromoform	173	20.417	20.417	0.000	98	4396982	10.0	10.2	
86 Isopropylbenzene	105	20.626	20.626	0.000	94	6129811	10.0	9.77	
* 87 4-Bromofluorobenzene	95	20.989	20.989	0.000	94	3209229	10.0	10.0	
88 1,1,2,2-Tetrachloroethane	83	21.284	21.284	0.000	97	3298214	10.0	10.2	
90 N-Propylbenzene	91	21.343	21.342	0.001	99	6849634	10.0	9.81	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
89 1,2,3-Trichloropropane	75	21.375	21.375	0.000	93	2217915	10.0	9.78	
93 n-Decane	57	21.514	21.514	0.000	81	1983269	10.0	10.1	
91 4-Ethyltoluene	105	21.530	21.530	0.000	97	5905460	10.0	10.2	
92 2-Chlorotoluene	91	21.535	21.535	0.000	94	4487678	10.0	9.84	
94 1,3,5-Trimethylbenzene	105	21.637	21.637	0.000	95	5172355	10.0	10.1	
95 Alpha Methyl Styrene	118	22.001	22.000	0.001	94	2947027	10.0	10.1	
96 tert-Butylbenzene	119	22.124	22.124	0.000	95	5151922	10.0	10.0	
97 1,2,4-Trimethylbenzene	105	22.215	22.214	0.001	95	4898115	10.0	9.72	
98 sec-Butylbenzene	105	22.439	22.444	-0.005	99	7136877	10.0	9.91	
99 4-Isopropyltoluene	119	22.643	22.642	0.001	97	6487334	10.0	10.1	
100 1,3-Dichlorobenzene	146	22.669	22.669	0.000	99	4435011	10.0	9.79	
101 1,4-Dichlorobenzene	146	22.803	22.803	0.000	97	4811207	10.0	10.1	
102 Benzyl chloride	91	23.006	23.006	0.000	99	3885976	10.0	9.21	
103 n-Butylbenzene	91	23.210	23.210	0.000	97	5083603	10.0	9.99	
104 Undecane	57	23.231	23.231	0.000	90	2037003	10.0	10.1	
105 1,2-Dichlorobenzene	146	23.333	23.333	0.000	99	4459571	10.0	10.0	
106 Dodecane	57	24.804	24.804	0.000	90	1683473	10.0	11.7	
107 1,2,4-Trichlorobenzene	180	25.831	25.831	0.000	93	4222294	10.0	10.8	
108 Hexachlorobutadiene	225	26.013	26.013	0.000	97	3856230	10.0	11.0	
109 Naphthalene	128	26.323	26.323	0.000	99	6917395	10.0	10.4	
110 1,2,3-Trichlorobenzene	180	26.794	26.794	0.000	95	3540504	10.0	12.7	

QC Flag Legend

Processing Flags
NC - Not Calibrated

Reagents:

ATTO15LCSW_00380	Amount Added: 200.00	Units: mL	
ATTO15GIS_00009	Amount Added: 20.00	Units: mL	Run Reagent

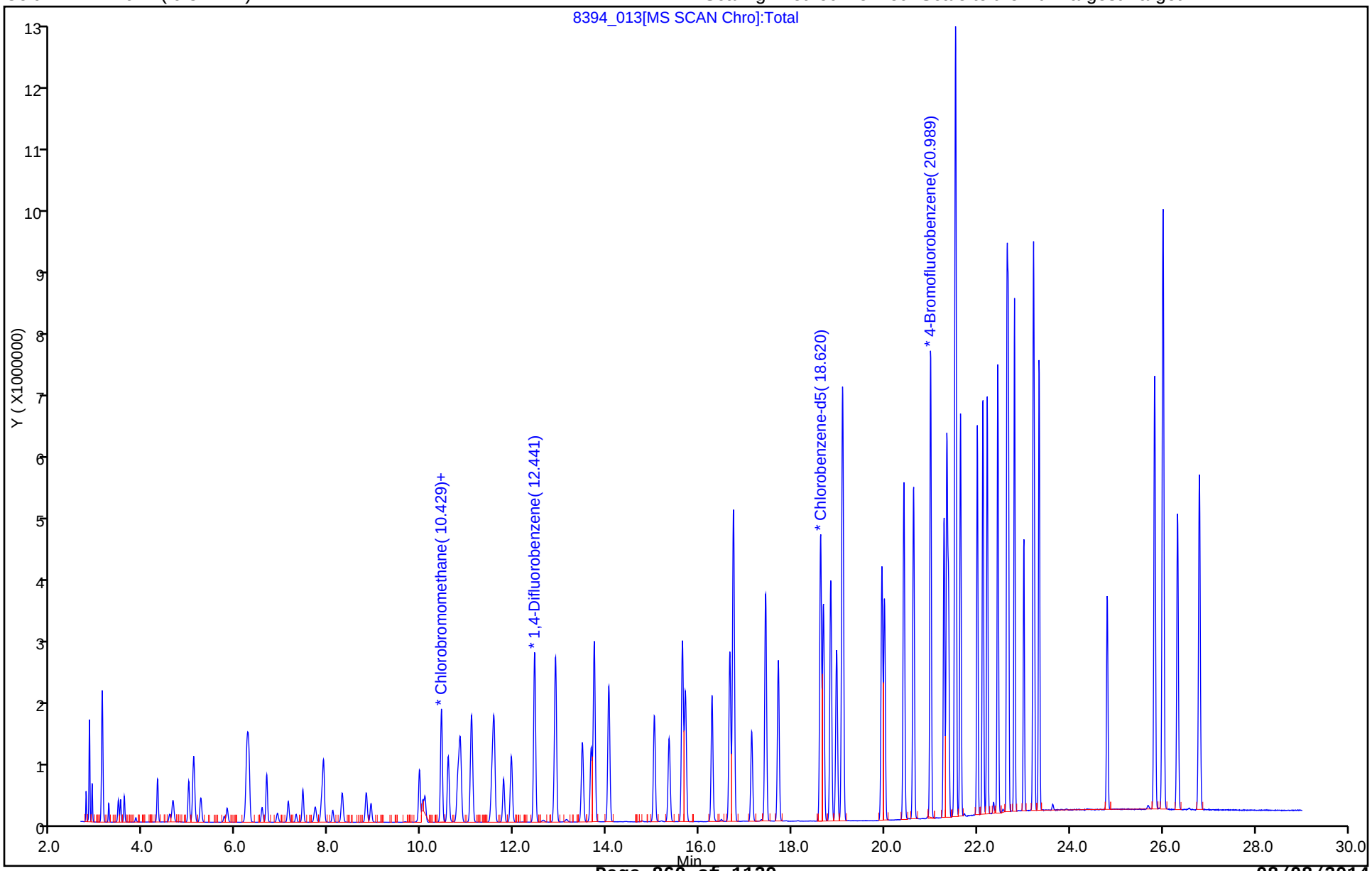
Report Date: 03-Jul-2014 18:03:04 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140702-8394.b\8394_013.D

Injection Date:	03-Jul-2014 01:24:30	Instrument ID:	CHG.i	Operator ID:	PAD
Lims ID:	icv			Worklist Smp#:	13
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	12
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 VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Lab Sample ID: CCVIS 200-75167/2 Calibration Date: 07/22/2014 10:46

Instrument ID: CHG.i Calib Start Date: 07/02/2014 16:53

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 07/02/2014 22:50

Lab File ID: 8660_002.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.2338	0.2667		11.4	10.0	14.1	30.0
Dichlorodifluoromethane	Ave	1.871	2.267		12.1	10.0	21.1	30.0
Freon 22	Ave	0.7199	0.8956		12.4	10.0	24.4	30.0
1,2-Dichlorotetrafluoroethane	Ave	1.634	1.884		11.5	10.0	15.3	30.0
Chloromethane	Ave	0.3592	0.4196		11.7	10.0	16.8	30.0
n-Butane	Ave	0.4505	0.5097		11.3	10.0	13.1	30.0
Vinyl chloride	Ave	0.5088	0.5443		10.7	10.0	7.0	30.0
1,3-Butadiene	Ave	0.2983	0.3271		11.0	10.0	9.7	30.0
Bromomethane	Ave	0.7000	0.7947		11.4	10.0	13.5	30.0
Chloroethane	Ave	0.1763	0.2035		11.5	10.0	15.4	30.0
Isopentane	Ave	0.2766	0.3019		10.9	10.0	9.1	30.0
Bromoethene(Vinyl Bromide)	Ave	0.8183	0.8912		10.9	10.0	8.9	30.0
Trichlorofluoromethane	Ave	2.091	2.372		11.3	10.0	13.4	30.0
n-Pentane	Ave	0.4626	0.5122		11.1	10.0	10.7	30.0
Ethanol	Ave	0.1110	0.1146		15.5	15.0	3.2	30.0
Ethyl ether	Ave	0.2427	0.2643		10.9	10.0	8.9	30.0
Acrolein	Ave	0.1036	0.1062		10.3	10.0	2.5	30.0
Freon TF	Ave	1.371	1.503		11.0	10.0	9.6	30.0
1,1-Dichloroethene	Ave	0.5986	0.6473		10.8	10.0	8.1	30.0
Acetone	Ave	0.4904	0.6053		12.3	10.0	23.4	30.0
Carbon disulfide	Ave	1.558	1.663		10.7	10.0	6.7	30.0
Isopropyl alcohol	Ave	0.4088	0.4656		11.4	10.0	13.9	30.0
3-Chloropropene	Ave	0.3821	0.4017		10.5	10.0	5.1	30.0
Acetonitrile	Ave	0.1943	0.2247		11.6	10.0	15.7	30.0
Methylene Chloride	Ave	0.4358	0.4923		11.3	10.0	12.9	30.0
tert-Butyl alcohol	Ave	0.7572	0.8420		11.1	10.0	11.2	30.0
Methyl tert-butyl ether	Ave	1.368	1.485		10.8	10.0	8.5	30.0
trans-1,2-Dichloroethene	Ave	0.6489	0.7336		11.3	10.0	13.1	30.0
Acrylonitrile	Ave	0.2379	0.2605		10.9	10.0	9.5	30.0
n-Hexane	Ave	0.5029	0.5260		10.5	10.0	4.6	30.0
1,1-Dichloroethane	Ave	0.9557	1.004		10.5	10.0	5.1	30.0
Vinyl acetate	Ave	0.8690	0.9431		10.9	10.0	8.5	30.0
cis-1,2-Dichloroethene	Ave	0.8737	0.8893		10.2	10.0	1.8	30.0
Methyl Ethyl Ketone	Ave	0.2683	0.2749		10.2	10.0	2.4	30.0
Ethyl acetate	Ave	0.0399	0.0410		10.3	10.0	2.6	30.0
Tetrahydrofuran	Ave	0.0677	0.0739		10.9	10.0	9.1	30.0
Chloroform	Ave	1.804	1.951		10.8	10.0	8.1	30.0
Cyclohexane	Ave	0.1594	0.1580		9.91	10.0	-0.9	30.0
1,1,1-Trichloroethane	Ave	0.3670	0.3902		10.6	10.0	6.3	30.0
Carbon tetrachloride	Ave	0.4945	0.4825		9.75	10.0	-2.4	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Lab Sample ID: CCVIS 200-75167/2 Calibration Date: 07/22/2014 10:46

Instrument ID: CHG.i Calib Start Date: 07/02/2014 16:53

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 07/02/2014 22:50

Lab File ID: 8660_002.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,2,4-Trimethylpentane	Ave	0.4864	0.4959		10.2	10.0	1.9	30.0
Benzene	Ave	0.4422	0.4369		9.88	10.0	-1.2	30.0
1,2-Dichloroethane	Ave	0.2082	0.2318		11.1	10.0	11.3	30.0
n-Heptane	Ave	0.1608	0.1674		10.4	10.0	4.1	30.0
n-Butanol	Ave	0.0621	0.0614		9.87	10.0	-1.2	30.0
Trichloroethene	Ave	0.3198	0.3135		9.80	10.0	-2.0	30.0
1,2-Dichloropropane	Ave	0.2024	0.2162		10.7	10.0	6.8	30.0
Methyl methacrylate	Ave	0.1806	0.1920		10.6	10.0	6.3	30.0
1,4-Dioxane	Ave	0.0971	0.1106		11.4	10.0	13.9	30.0
Dibromomethane	Ave	0.4563	0.4152		9.10	10.0	-9.0	30.0
Bromodichloromethane	Ave	0.5614	0.6405		11.4	10.0	14.1	30.0
cis-1,3-Dichloropropene	Ave	0.3957	0.4523		11.4	10.0	14.3	30.0
methyl isobutyl ketone	Ave	0.3447	0.3967		11.5	10.0	15.1	30.0
Toluene	Ave	0.4577	0.4770		10.4	10.0	4.2	30.0
n-Octane	Ave	0.3178	0.3850		12.1	10.0	21.1	30.0
trans-1,3-Dichloropropene	Ave	0.4092	0.4800		11.7	10.0	17.3	30.0
1,1,2-Trichloroethane	Ave	0.2430	0.2701		11.1	10.0	11.1	30.0
Tetrachloroethene	Ave	0.6138	0.4981		8.11	10.0	-18.8	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.2925	0.3213		11.0	10.0	9.9	30.0
Dibromochloromethane	Ave	0.6932	0.6869		9.91	10.0	-0.9	30.0
1,2-Dibromoethane	Ave	0.5394	0.5693		10.6	10.0	5.5	30.0
Chlorobenzene	Ave	0.7324	0.7061		9.64	10.0	-3.6	30.0
Ethylbenzene	Ave	0.9563	1.027		10.7	10.0	7.4	30.0
n-Nonane	Ave	0.3205	0.3592		11.2	10.0	12.1	30.0
m,p-Xylene	Ave	0.4175	0.4179		20.0	20.0	0.0	30.0
Xylene, o-	Ave	0.4393	0.4370		9.94	10.0	-0.5	30.0
Styrene	Ave	0.6156	0.6397		10.4	10.0	3.9	30.0
Bromoform	Ave	0.8018	0.7291		9.09	10.0	-9.1	30.0
Cumene	Ave	1.164	1.195		10.3	10.0	2.7	30.0
1,1,2,2-Tetrachloroethane	Ave	0.6024	0.7013		11.6	10.0	16.4	30.0
n-Propylbenzene	Ave	1.295	1.426		11.0	10.0	10.1	30.0
1,2,3-Trichloropropane	Ave	0.4209	0.4792		11.4	10.0	13.9	30.0
n-Decane	Ave	0.3644	0.4073		11.2	10.0	11.8	30.0
4-Ethyltoluene	Ave	1.074	1.115		10.4	10.0	3.8	30.0
2-Chlorotoluene	Ave	0.8462	0.9129		10.8	10.0	7.9	30.0
1,3,5-Trimethylbenzene	Ave	0.9518	0.998		10.5	10.0	4.9	30.0
Alpha Methyl Styrene	Ave	0.5397	0.5485		10.2	10.0	1.6	30.0
tert-Butylbenzene	Ave	0.9527	0.9627		10.1	10.0	1.1	30.0
1,2,4-Trimethylbenzene	Ave	0.9355	1.013		10.8	10.0	8.3	30.0
sec-Butylbenzene	Ave	1.336	1.469		11.0	10.0	10.0	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Lab Sample ID: CCVIS 200-75167/2 Calibration Date: 07/22/2014 10:46

Instrument ID: CHG.i Calib Start Date: 07/02/2014 16:53

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 07/02/2014 22:50

Lab File ID: 8660_002.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Isopropyltoluene	Ave	1.195	1.233		10.3	10.0	3.2	30.0
1,3-Dichlorobenzene	Ave	0.8407	0.8189		9.74	10.0	-2.6	30.0
1,4-Dichlorobenzene	Ave	0.8855	0.8466		9.56	10.0	-4.4	30.0
Benzyl chloride	Ave	0.7833	0.8411		10.7	10.0	7.4	30.0
n-Butylbenzene	Ave	0.9443	1.118		11.8	10.0	18.4	30.0
n-Undecane	Ave	0.3741	0.4687		12.5	10.0	25.3	30.0
1,2-Dichlorobenzene	Ave	0.8269	0.8066		9.75	10.0	-2.5	30.0
n-Dodecane	Ave	0.2663	0.2961		11.1	10.0	11.2	30.0
1,2,4-Trichlorobenzene	Ave	0.7277	0.6772		9.31	10.0	-6.9	30.0
Hexachlorobutadiene	Ave	0.6489	0.5607		8.64	10.0	-13.6	30.0
Naphthalene	Ave	1.232	1.425		11.6	10.0	15.7	30.0
1,2,3-Trichlorobenzene	Ave	0.5166	0.5803		11.2	10.0	12.3	30.0

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140722-8660.b\8660_002.D
Lims ID: ccvis
Client ID:
Sample Type: CCVIS
Inject. Date: 22-Jul-2014 10:46:30 ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0008660-002
Misc. Info.: ccvis
Operator ID: pad Instrument ID: CHG.i
Sublist: chrom-TO15_LLNJ_TO3_G*sub3

Method: \\BTV-LIMS1\ChromData\CHG.i\20140722-8660.b\TO15_LLNJ_TO3_G.m
Limit Group: AI_TO15_ICAL
Last Update: 23-Jul-2014 12:23:50 Calib Date: 02-Jul-2014 22:50:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHG.i\20140702-8394.b\8394_010.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK023

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	2.758	2.758	0.000	96	184189	10.0	11.4	
2 Dichlorodifluoromethane	85	2.827	2.827	0.000	99	1565492	10.0	12.1	
6 Chlorodifluoromethane	51	2.886	2.886	0.000	96	618549	10.0	12.4	
7 1,2-Dichloro-1,1,2,2-tetra	85	3.105	3.105	0.000	97	1300922	10.0	11.5	
8 Chloromethane	50	3.244	3.244	0.000	99	289809	10.0	11.7	
9 Butane	43	3.448	3.448	0.000	96	352006	10.0	11.3	
10 Vinyl chloride	62	3.496	3.496	0.000	98	375932	10.0	10.7	
11 Butadiene	54	3.576	3.576	0.000	90	225889	10.0	11.0	
13 BFB									
12 Bromomethane	94	4.293	4.293	0.000	99	548853	10.0	11.4	
14 Chloroethane	64	4.550	4.550	0.000	99	140558	10.0	11.5	
15 2-Methylbutane	43	4.625	4.625	0.000	85	208475	10.0	10.9	
16 Vinyl bromide	106	4.962	4.962	0.000	99	615446	10.0	10.9	
17 Trichlorofluoromethane	101	5.074	5.074	0.000	98	1637865	10.0	11.3	
18 Pentane	43	5.224	5.224	0.000	93	353749	10.0	11.1	
19 Ethanol	45	5.721	5.721	0.000	96	118791	15.0	15.5	
21 Ethyl ether	59	5.796	5.796	0.000	94	182523	10.0	10.9	
22 Acrolein	56	6.203	6.203	0.000	96	73366	10.0	10.3	
23 1,1,2-Trichloro-1,2,2-trif	101	6.230	6.230	0.000	98	1037866	10.0	11.0	
24 1,1-Dichloroethene	96	6.262	6.262	0.000	93	447046	10.0	10.8	
25 Acetone	43	6.540	6.540	0.000	86	418039	10.0	12.3	
26 Carbon disulfide	76	6.647	6.647	0.000	98	1148214	10.0	10.7	
27 Isopropyl alcohol	45	6.866	6.866	0.000	98	321551	10.0	11.4	
29 3-Chloro-1-propene	41	7.107	7.107	0.000	82	277437	10.0	10.5	
30 Acetonitrile	41	7.273	7.273	0.000	97	155200	10.0	11.6	
31 Methylene Chloride	49	7.423	7.423	0.000	81	339957	10.0	11.3	
32 2-Methyl-2-propanol	59	7.679	7.679	0.000	98	581481	10.0	11.1	
33 Methyl tert-butyl ether	73	7.840	7.840	0.000	94	1025484	10.0	10.8	
34 trans-1,2-Dichloroethene	61	7.872	7.872	0.000	87	506641	10.0	11.3	
35 Acrylonitrile	53	8.059	8.059	0.000	93	179876	10.0	10.9	
36 Hexane	57	8.273	8.273	0.000	90	363260	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
37 1,1-Dichloroethane	63	8.787	8.787	0.000	99	693691	10.0	10.5	
38 Vinyl acetate	43	8.888	8.888	0.000	99	651338	10.0	10.9	
39 cis-1,2-Dichloroethene	96	9.937	9.937	0.000	91	614170	10.0	10.2	
40 2-Butanone (MEK)	72	10.006	10.006	0.000	97	189821	10.0	10.2	
42 Ethyl acetate	88	10.055	10.055	0.000	97	28292	10.0	10.3	
S 41 1,2-Dichloroethene, Total	61				0		20.0	21.5	
44 Tetrahydrofuran	42	10.397	10.397	0.000	78	290910	10.0	10.9	
* 43 Chlorobromomethane	128	10.408	10.408	0.000	68	690754	10.0	10.0	
45 Chloroform	83	10.557	10.557	0.000	99	1347327	10.0	10.8	
46 Cyclohexane	84	10.771	10.771	0.000	83	621804	10.0	9.91	
47 1,1,1-Trichloroethane	97	10.814	10.814	0.000	95	1535957	10.0	10.6	
48 Carbon tetrachloride	117	11.060	11.060	0.000	97	1899009	10.0	9.75	
51 Isooctane	57	11.515	11.515	0.000	99	1951720	10.0	10.2	
50 Benzene	78	11.547	11.547	0.000	93	1719575	10.0	9.88	
52 1,2-Dichloroethane	62	11.745	11.745	0.000	99	912508	10.0	11.1	
53 n-Heptane	43	11.922	11.922	0.000	86	659084	10.0	10.4	
* 54 1,4-Difluorobenzene	114	12.419	12.419	0.000	91	3936913	10.0	10.0	
55 n-Butanol	56	12.836	12.836	0.000	86	241483	10.0	9.87	
56 Trichloroethene	95	12.869	12.869	0.000	95	1234035	10.0	9.80	
A 57 GRO	1	13.058	(4.615-21.502)		0	293119844	10.0	0	
58 1,2-Dichloropropane	63	13.446	13.446	0.000	91	850955	10.0	10.7	
59 Methyl methacrylate	69	13.634	13.634	0.000	84	755551	10.0	10.6	
60 1,4-Dioxane	88	13.676	13.676	0.000	83	435269	10.0	11.4	
61 Dibromomethane	174	13.703	13.703	0.000	93	1634355	10.0	9.10	
62 Dichlorobromomethane	83	14.019	14.019	0.000	97	2520980	10.0	11.4	
A 63 TVOC as Toluene	1	14.762	(2.748-26.777)		0	556506264	10.0	0	
64 cis-1,3-Dichloropropene	75	15.003	15.003	0.000	87	1780148	10.0	11.4	
65 4-Methyl-2-pentanone (MIBK	43	15.313	15.313	0.000	93	1561430	10.0	11.5	
66 Toluene	92	15.608	15.608	0.000	94	2295247	10.0	10.4	
A 67 Toluene Range	1	15.608	(15.568-15.648)		0	8660925	NC	NC	
69 n-Octane	43	15.677	15.677	0.000	85	1515285	10.0	12.1	
A 68 C8 Range	1	15.691	(15.627-15.727)		0	6244275	NC	NC	
70 trans-1,3-Dichloropropene	75	16.244	16.244	0.000	93	1889337	10.0	11.7	
71 1,1,2-Trichloroethane	83	16.629	16.629	0.000	97	1299951	10.0	11.1	
72 Tetrachloroethene	166	16.715	16.715	0.000	97	2397114	10.0	8.11	
73 2-Hexanone	43	17.100	17.100	0.000	92	1546149	10.0	11.0	
74 Chlorodibromomethane	129	17.400	17.400	0.000	97	3305350	10.0	9.91	
75 Ethylene Dibromide	107	17.678	17.678	0.000	99	2739481	10.0	10.6	
* 76 Chlorobenzene-d5	117	18.587	18.587	0.000	81	4813134	10.0	10.0	
77 Chlorobenzene	112	18.652	18.652	0.000	99	3397990	10.0	9.64	
78 Ethylbenzene	91	18.812	18.812	0.000	97	4941485	10.0	10.7	
79 n-Nonane	57	18.940	18.940	0.000	83	1728749	10.0	11.2	
80 m-Xylene & p-Xylene	106	19.064	19.064	0.000	99	4022295	20.0	20.0	
83 o-Xylene	106	19.914	19.914	0.000	95	2102683	10.0	9.94	
84 Styrene	104	19.968	19.968	0.000	98	3078448	10.0	10.4	
S 82 Xylenes, Total	106				0		30.0	30.0	
85 Bromoform	173	20.390	20.390	0.000	98	3508409	10.0	9.09	
86 Isopropylbenzene	105	20.599	20.599	0.000	95	5751514	10.0	10.3	
* 87 4-Bromofluorobenzene	95	20.963	20.963	0.000	98	3212125	10.0	10.0	
88 1,1,2,2-Tetrachloroethane	83	21.252	21.252	0.000	98	3374987	10.0	11.6	
90 N-Propylbenzene	91	21.321	21.321	0.000	100	6864230	10.0	11.0	
89 1,2,3-Trichloropropane	75	21.353	21.353	0.000	95	2306092	10.0	11.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
93 n-Decane	57	21.492	21.492	0.000	83	1959957	10.0	11.2	
91 4-Ethyltoluene	105	21.508	21.508	0.000	97	5364837	10.0	10.4	
92 2-Chlorotoluene	91	21.514	21.514	0.000	96	4393264	10.0	10.8	
94 1,3,5-Trimethylbenzene	105	21.615	21.615	0.000	94	4804031	10.0	10.5	
95 Alpha Methyl Styrene	118	21.979	21.979	0.000	93	2639458	10.0	10.2	
96 tert-Butylbenzene	119	22.102	22.102	0.000	93	4632843	10.0	10.1	
97 1,2,4-Trimethylbenzene	105	22.193	22.193	0.000	96	4873791	10.0	10.8	
98 sec-Butylbenzene	105	22.423	22.423	0.000	99	7070818	10.0	11.0	
99 4-Isopropyltoluene	119	22.621	22.621	0.000	97	5933529	10.0	10.3	
100 1,3-Dichlorobenzene	146	22.648	22.648	0.000	98	3940581	10.0	9.74	
101 1,4-Dichlorobenzene	146	22.782	22.782	0.000	96	4073860	10.0	9.56	
102 Benzyl chloride	91	22.985	22.985	0.000	99	4047497	10.0	10.7	
103 n-Butylbenzene	91	23.188	23.188	0.000	98	5381341	10.0	11.8	
104 Undecane	57	23.215	23.215	0.000	90	2255435	10.0	12.5	
105 1,2-Dichlorobenzene	146	23.317	23.317	0.000	99	3881475	10.0	9.75	
106 Dodecane	57	24.788	24.788	0.000	91	1424934	10.0	11.1	
107 1,2,4-Trichlorobenzene	180	25.804	25.804	0.000	94	3259019	10.0	9.31	
108 Hexachlorobutadiene	225	25.986	25.986	0.000	95	2697982	10.0	8.64	
109 Naphthalene	128	26.296	26.296	0.000	99	6859493	10.0	11.6	
110 1,2,3-Trichlorobenzene	180	26.767	26.767	0.000	96	2792535	10.0	11.2	

QC Flag Legend

Processing Flags
NC - Not Calibrated

Reagents:

ATTO15CAL4w_00369	Amount Added: 200.00	Units: mL	
ATTO15GIS_00009	Amount Added: 20.00	Units: mL	Run Reagent

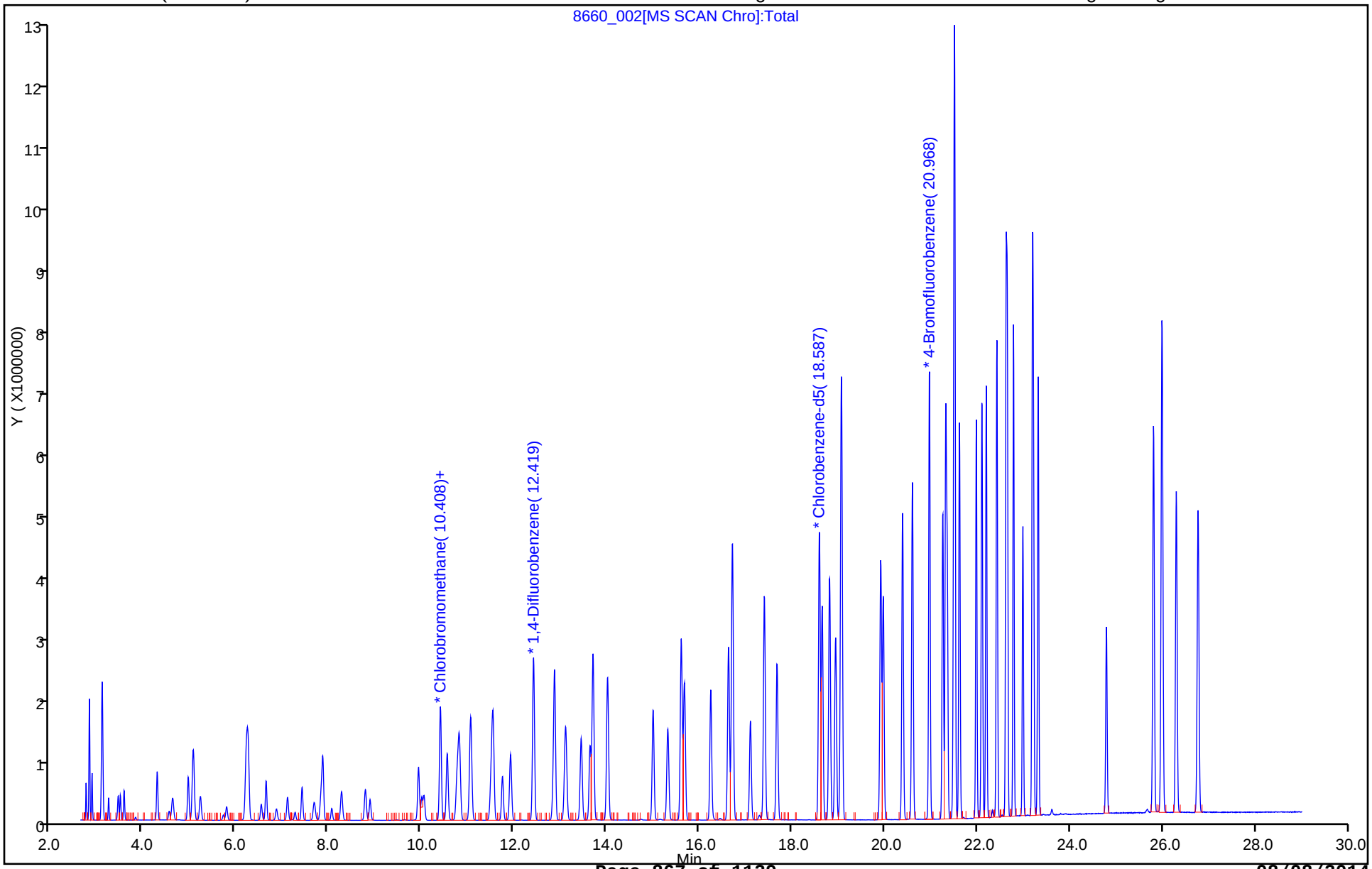
Report Date: 23-Jul-2014 12:23:51 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140722-8660.b\8660_002.D

Injection Date:	22-Jul-2014 10:46:30	Instrument ID:	CHG.i	Operator ID:	pad
Lims ID:	ccvis			Worklist Smp#:	2
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	1
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 VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Lab Sample ID: ICV 200-73568/19 Calibration Date: 06/15/2014 02:11

Instrument ID: CHW.i Calib Start Date: 06/14/2014 09:46

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 06/15/2014 00:33

Lab File ID: 8058_019.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.7346	0.7034		9.57	10.0	-4.2	30.0
Dichlorodifluoromethane	Ave	2.924	3.023		10.3	10.0	3.4	30.0
Freon 22	Ave	1.462	1.498		10.2	10.0	2.5	30.0
1,2-Dichlorotetrafluoroethane	Ave	2.926	3.348		11.4	10.0	14.4	30.0
Chloromethane	Ave	0.8652	0.8644		9.99	10.0	-0.0	30.0
n-Butane	Ave	1.434	1.464		10.2	10.0	2.1	30.0
Vinyl chloride	Ave	1.075	1.089		10.1	10.0	1.3	30.0
1,3-Butadiene	Ave	0.7639	0.7823		10.2	10.0	2.4	30.0
Bromomethane	Ave	1.080	1.107		10.3	10.0	2.5	30.0
Chloroethane	Ave	0.6068	0.6103		10.1	10.0	0.6	30.0
Isopentane	Ave	1.136	1.188		10.5	10.0	4.5	30.0
Bromoethene(Vinyl Bromide)	Ave	1.323	1.348		10.2	10.0	1.9	30.0
Trichlorofluoromethane	Ave	3.226	3.282		10.2	10.0	1.7	30.0
n-Pentane	Ave	1.633	1.862		11.4	10.0	14.0	30.0
Ethanol	Ave	0.4158	0.4073		14.7	15.0	-2.0	30.0
Ethyl ether	Ave	0.7309	0.8331		11.4	10.0	14.0	30.0
Acrolein	Ave	0.3109	0.3913		12.6	10.0	25.8	30.0
Freon TF	Ave	2.473	2.567		10.4	10.0	3.8	30.0
1,1-Dichloroethene	Ave	1.213	1.247		10.3	10.0	2.8	30.0
Acetone	Ave	1.526	1.745		11.4	10.0	14.3	30.0
Carbon disulfide	Ave	3.022	3.463		11.5	10.0	14.6	30.0
Isopropyl alcohol	Ave	1.287	1.223		9.50	10.0	-5.0	30.0
3-Chloropropene	Ave	1.164	1.159		9.95	10.0	-0.4	30.0
Acetonitrile	Ave	0.6509	0.6968		10.7	10.0	7.1	30.0
Methylene Chloride	Ave	1.047	1.064		10.2	10.0	1.6	30.0
tert-Butyl alcohol	Ave	1.859	1.866		10.0	10.0	0.4	30.0
Methyl tert-butyl ether	Ave	3.241	3.401		10.5	10.0	4.9	30.0
trans-1,2-Dichloroethene	Ave	1.455	1.607		11.0	10.0	10.4	30.0
Acrylonitrile	Ave	0.7082	0.7738		10.9	10.0	9.3	30.0
n-Hexane	Ave	1.763	1.822		10.3	10.0	3.3	30.0
1,1-Dichloroethane	Ave	1.924	2.033		10.6	10.0	5.7	30.0
Vinyl acetate	Ave	2.357	2.402		10.2	10.0	1.9	30.0
cis-1,2-Dichloroethene	Ave	1.363	1.398		10.3	10.0	2.6	30.0
Methyl Ethyl Ketone	Ave	0.6442	0.6493		10.1	10.0	0.8	30.0
Ethyl acetate	Ave	0.1082	0.1250		11.5	10.0	15.4	30.0
Tetrahydrofuran	Ave	0.2121	0.2299		10.8	10.0	8.4	30.0
Chloroform	Ave	2.381	2.495		10.5	10.0	4.8	30.0
Cyclohexane	Ave	0.3707	0.3922		10.6	10.0	5.8	30.0
1,1,1-Trichloroethane	Ave	0.5284	0.5583		10.6	10.0	5.7	30.0
Carbon tetrachloride	Ave	0.5791	0.6220		10.7	10.0	7.4	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Lab Sample ID: ICV 200-73568/19 Calibration Date: 06/15/2014 02:11

Instrument ID: CHW.i Calib Start Date: 06/14/2014 09:46

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 06/15/2014 00:33

Lab File ID: 8058_019.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,2,4-Trimethylpentane	Ave	1.110	1.162		10.5	10.0	4.7	30.0
Benzene	Ave	0.7846	0.8178		10.4	10.0	4.2	30.0
1,2-Dichloroethane	Ave	0.2897	0.3020		10.4	10.0	4.3	30.0
n-Heptane	Ave	0.4010	0.3860		9.63	10.0	-3.7	30.0
n-Butanol	Ave	0.1256	0.1263		10.0	10.0	0.5	30.0
Trichloroethene	Ave	0.3675	0.3796		10.3	10.0	3.3	30.0
1,2-Dichloropropane	Ave	0.2693	0.2786		10.3	10.0	3.5	30.0
Methyl methacrylate	Ave	0.2655	0.2897		10.9	10.0	9.1	30.0
1,4-Dioxane	Ave	0.1355	0.1362		10.1	10.0	0.6	30.0
Dibromomethane	Ave	0.4358	0.4557		10.5	10.0	4.6	30.0
Bromodichloromethane	Ave	0.5232	0.5583		10.7	10.0	6.7	30.0
cis-1,3-Dichloropropene	Ave	0.4034	0.4421		11.0	10.0	9.6	30.0
methyl isobutyl ketone	Ave	0.4611	0.4884		10.6	10.0	5.9	30.0
n-Octane	Ave	0.5158	0.5182		10.0	10.0	0.5	30.0
Toluene	Ave	0.7106	0.7024		9.88	10.0	-1.2	30.0
trans-1,3-Dichloropropene	Ave	0.4011	0.4413		11.0	10.0	10.0	30.0
1,1,2-Trichloroethane	Ave	0.3064	0.3240		10.6	10.0	5.7	30.0
Tetrachloroethene	Ave	0.7360	0.7747		10.5	10.0	5.3	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.4820	0.5076		10.5	10.0	5.3	30.0
Dibromochloromethane	Ave	0.7067	0.7593		10.7	10.0	7.4	30.0
1,2-Dibromoethane	Ave	0.5988	0.6410		10.7	10.0	7.1	30.0
Chlorobenzene	Ave	0.9822	1.032		10.5	10.0	5.1	30.0
Ethylbenzene	Ave	1.413	1.495		10.6	10.0	5.8	30.0
n-Nonane	Ave	0.6008	0.6151		10.2	10.0	2.4	30.0
m,p-Xylene	Ave	0.6039	0.6528		21.6	20.0	8.1	30.0
Xylene, o-	Ave	0.6168	0.6484		10.5	10.0	5.1	30.0
Styrene	Ave	0.8948	0.9678		10.8	10.0	8.2	30.0
Bromoform	Ave	0.7586	0.8602		11.3	10.0	13.4	30.0
Cumene	Ave	1.685	1.805		10.7	10.0	7.1	30.0
1,1,2,2-Tetrachloroethane	Ave	0.7754	0.8554		11.0	10.0	10.3	30.0
n-Propylbenzene	Ave	1.881	2.041		10.8	10.0	8.5	30.0
1,2,3-Trichloropropane	Ave	0.5980	0.6422		10.7	10.0	7.4	30.0
n-Decane	Ave	0.7332	0.8118		11.1	10.0	10.7	30.0
4-Ethyltoluene	Ave	1.677	1.874		11.2	10.0	11.8	30.0
2-Chlorotoluene	Ave	1.371	1.468		10.7	10.0	7.1	30.0
1,3,5-Trimethylbenzene	Ave	1.432	1.557		10.9	10.0	8.7	30.0
Alpha Methyl Styrene	Ave	0.7245	0.7078		9.77	10.0	-2.3	30.0
tert-Butylbenzene	Ave	1.474	1.594		10.8	10.0	8.2	30.0
1,2,4-Trimethylbenzene	Ave	1.440	1.570		10.9	10.0	9.0	30.0
sec-Butylbenzene	Ave	2.055	2.241		10.9	10.0	9.1	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Lab Sample ID: ICV 200-73568/19 Calibration Date: 06/15/2014 02:11

Instrument ID: CHW.i Calib Start Date: 06/14/2014 09:46

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 06/15/2014 00:33

Lab File ID: 8058_019.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Isopropyltoluene	Ave	1.825	2.025		11.1	10.0	11.0	30.0
1,3-Dichlorobenzene	Ave	1.115	1.250		11.2	10.0	12.1	30.0
1,4-Dichlorobenzene	Ave	1.090	1.228		11.3	10.0	12.7	30.0
Benzyl chloride	Ave	0.9111	1.082		11.9	10.0	18.8	30.0
n-Undecane	Ave	0.7476	0.8986		12.0	10.0	20.2	30.0
n-Butylbenzene	Ave	1.471	1.639		11.1	10.0	11.5	30.0
1,2-Dichlorobenzene	Ave	1.088	1.198		11.0	10.0	10.2	30.0
n-Dodecane	Ave	0.6729	0.8562		12.7	10.0	27.2	30.0
1,2,4-Trichlorobenzene	Ave	0.8812	0.9950		11.3	10.0	12.9	30.0
Hexachlorobutadiene	Ave	0.9202	1.042		11.3	10.0	13.2	30.0
Naphthalene	Ave	1.693	1.723		10.2	10.0	1.7	30.0
1,2,3-Trichlorobenzene	Ave	0.8037	0.9059		11.3	10.0	12.7	30.0

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140613-8058.b\8058_019.d
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 15-Jun-2014 02:11:30 ALS Bottle#: 18 Worklist Smp#: 19
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0008058-019
Misc. Info.: ICV
Operator ID: PAD Instrument ID: CHW.i
Sublist:

Method: \\BTV-LIMS1\ChromData\CHW.i\20140613-8058.b\TO15_LLNJ_TO3_W_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 16-Jun-2014 10:40:59 Calib Date: 15-Jun-2014 00:33:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20140613-8058.b\8058_017.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK030

First Level Reviewer: daiglep Date: 16-Jun-2014 10:37:01

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	4.413	4.419	-0.006	98	465841	10.0	9.57	
2 Dichlorodifluoromethane	85	4.510	4.515	-0.005	88	2001732	10.0	10.3	
6 Chlorodifluoromethane	51	4.574	4.579	-0.005	76	992349	10.0	10.2	
7 1,2-Dichloro-1,1,2,2-tetra	85	4.857	4.863	-0.006	90	2216988	10.0	11.4	
8 Chloromethane	50	5.050	5.061	-0.011	89	572439	10.0	9.99	
9 Butane	43	5.317	5.323	-0.006	98	969283	10.0	10.2	
10 Vinyl chloride	62	5.371	5.376	-0.005	81	720854	10.0	10.1	
11 Butadiene	54	5.467	5.478	-0.011	93	518091	10.0	10.2	
12 Bromomethane	94	6.339	6.339	0.000	99	733178	10.0	10.3	
13 BFB									
14 Chloroethane	64	6.617	6.623	-0.006	96	404155	10.0	10.1	
15 2-Methylbutane	43	6.703	6.708	-0.005	92	786743	10.0	10.5	
16 Vinyl bromide	106	7.093	7.099	-0.006	98	892909	10.0	10.2	
17 Trichlorofluoromethane	101	7.211	7.217	-0.006	87	2173294	10.0	10.2	
18 Pentane	43	7.372	7.377	-0.005	96	1233099	10.0	11.4	
19 Ethanol	45	7.826	7.832	-0.006	99	404791	15.0	14.7	
21 Ethyl ether	59	7.955	7.960	-0.005	94	551700	10.0	11.4	
22 Acrolein	56	8.415	8.426	-0.011	97	259102	10.0	12.6	
23 1,1,2-Trichloro-1,2,2-trif	101	8.452	8.458	-0.006	92	1700126	10.0	10.4	
24 1,1-Dichloroethene	96	8.527	8.533	-0.006	85	825945	10.0	10.3	
25 Acetone	43	8.757	8.763	-0.006	89	1155457	10.0	11.4	
26 Carbon disulfide	76	9.014	9.019	-0.005	98	2293366	10.0	11.5	
27 Isopropyl alcohol	45	9.051	9.057	-0.006	98	809979	10.0	9.50	
29 3-Chloro-1-propene	41	9.410	9.415	-0.005	90	767338	10.0	9.95	
30 Acetonitrile	41	9.544	9.549	-0.005	99	461455	10.0	10.7	
31 Methylene Chloride	49	9.742	9.747	-0.005	81	704720	10.0	10.2	
32 2-Methyl-2-propanol	59	9.918	9.929	-0.011	99	1235774	10.0	10.0	
33 Methyl tert-butyl ether	73	10.164	10.170	-0.006	96	2251990	10.0	10.5	
S 41 1,2-Dichloroethene, Total	61				0		20.0	21.3	
34 trans-1,2-Dichloroethene	61	10.239	10.244	-0.005	80	1064258	10.0	11.0	

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	10.389	10.394	-0.005	96	512471	10.0	10.9	
36 Hexane	57	10.651	10.656	-0.005	89	1206454	10.0	10.3	
37 1,1-Dichloroethane	63	11.202	11.202	0.000	94	1346382	10.0	10.6	
38 Vinyl acetate	43	11.234	11.240	-0.006	99	1590795	10.0	10.2	
39 cis-1,2-Dichloroethene	96	12.374	12.379	-0.005	92	926057	10.0	10.3	
40 2-Butanone (MEK)	72	12.390	12.390	0.000	99	429988	10.0	10.1	
42 Ethyl acetate	88	12.406	12.416	-0.010	97	82758	10.0	11.5	
44 Tetrahydrofuran	42	12.850	12.855	-0.005	89	738703	10.0	10.8	
* 43 Chlorobromomethane	128	12.855	12.860	-0.005	83	662374	10.0	10.0	
45 Chloroform	83	12.967	12.967	0.000	94	1652058	10.0	10.5	
46 Cyclohexane	84	13.262	13.267	-0.005	86	1260307	10.0	10.6	
47 1,1,1-Trichloroethane	97	13.272	13.278	-0.006	92	1793906	10.0	10.6	
48 Carbon tetrachloride	117	13.529	13.535	-0.006	89	1998496	10.0	10.7	
51 Isooctane	57	13.920	13.920	0.000	99	3733718	10.0	10.5	
50 Benzene	78	13.979	13.984	-0.005	92	2627776	10.0	10.4	
52 1,2-Dichloroethane	62	14.139	14.144	-0.005	91	970495	10.0	10.4	
53 n-Heptane	43	14.267	14.273	-0.006	86	1240396	10.0	9.63	
* 54 1,4-Difluorobenzene	114	14.738	14.744	-0.006	92	3213738	10.0	10.0	
A 57 GRO	1	14.776	(6.698-22.853)		0	328187431	10.0	0	
55 n-Butanol	56	15.022	15.027	-0.005	84	405709	10.0	10.0	
56 Trichloroethene	95	15.204	15.209	-0.005	89	1219593	10.0	10.3	
58 1,2-Dichloropropane	63	15.723	15.723	0.000	92	895297	10.0	10.3	
59 Methyl methacrylate	69	15.803	15.808	-0.005	80	930865	10.0	10.9	
60 1,4-Dioxane	88	15.899	15.899	0.000	85	437706	10.0	10.1	
61 Dibromomethane	174	15.969	15.969	0.000	87	1464096	10.0	10.5	
62 Dichlorobromomethane	83	16.215	16.215	0.000	95	1793984	10.0	10.7	
A 63 TVOC as Toluene	92	16.637	(4.409-28.866)		0	581153921	10.0	2544.7	
64 cis-1,3-Dichloropropene	75	17.076	17.076	0.000	83	1420366	10.0	11.0	
65 4-Methyl-2-pentanone (MIBK	43	17.306	17.311	-0.005	93	1569244	10.0	10.6	
69 n-Octane	43	17.643	17.643	0.000	86	1664934	10.0	10.0	
A 68 C8 Range	1	17.643	(17.593-17.693)		0	14814524	NC	NC	
66 Toluene	92	17.648	17.648	0.000	94	2069732	10.0	9.88	
A 67 Toluene Range	92	17.648	(17.608-17.688)		0	14814524	10.0	70.7	E
70 trans-1,3-Dichloropropene	75	18.178	18.183	-0.005	92	1417912	10.0	11.0	
71 1,1,2-Trichloroethane	83	18.547	18.553	-0.006	93	954666	10.0	10.6	
72 Tetrachloroethene	166	18.686	18.686	0.000	89	2282999	10.0	10.5	
73 2-Hexanone	43	18.932	18.932	0.000	92	1495867	10.0	10.5	
74 Chlorodibromomethane	129	19.307	19.307	0.000	96	2237438	10.0	10.7	
75 Ethylene Dibromide	107	19.590	19.590	0.000	99	1889053	10.0	10.7	
S 82 Xylenes, Total	106				0		30.0	32.1	
* 76 Chlorobenzene-d5	117	20.430	20.430	0.000	80	2947455	10.0	10.0	
77 Chlorobenzene	112	20.489	20.489	0.000	97	3041352	10.0	10.5	
78 Ethylbenzene	91	20.602	20.601	0.001	94	4404598	10.0	10.6	
79 n-Nonane	57	20.655	20.655	0.000	83	1812623	10.0	10.2	
80 m-Xylene & p-Xylene	106	20.815	20.821	-0.006	97	3847408	20.0	21.6	
83 o-Xylene	106	21.532	21.532	0.000	96	1910787	10.0	10.5	
84 Styrene	104	21.570	21.570	0.000	98	2852111	10.0	10.8	
85 Bromoform	173	21.950	21.950	0.000	99	2534933	10.0	11.3	
86 Isopropylbenzene	105	22.094	22.094	0.000	94	5318061	10.0	10.7	
$ 87 4-Bromofluorobenzene	95	22.431	22.436	-0.005	97	1926114	NC	NC	
88 1,1,2,2-Tetrachloroethane	83	22.656	22.661	-0.005	92	2520778	10.0	11.0	
90 N-Propylbenzene	91	22.731	22.731	0.000	97	6014634	10.0	10.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
89 1,2,3-Trichloropropane	75	22.757	22.763	-0.006	89	1892436	10.0	10.7	
93 n-Decane	57	22.843	22.843	0.000	83	2392257	10.0	11.1	
91 4-Ethyltoluene	105	22.897	22.897	0.000	88	5523647	10.0	11.2	
92 2-Chlorotoluene	91	22.929	22.934	-0.005	89	4326584	10.0	10.7	
94 1,3,5-Trimethylbenzene	105	22.987	22.987	0.000	87	4588653	10.0	10.9	
95 Alpha Methyl Styrene	118	23.341	23.341	0.000	91	2085657	10.0	9.77	
96 tert-Butylbenzene	119	23.464	23.469	-0.005	92	4697100	10.0	10.8	
97 1,2,4-Trimethylbenzene	105	23.555	23.560	-0.005	95	4625623	10.0	10.9	
98 sec-Butylbenzene	105	23.795	23.795	0.000	98	6604742	10.0	10.9	
99 4-Isopropyltoluene	119	23.993	23.999	-0.006	92	5967639	10.0	11.1	
100 1,3-Dichlorobenzene	146	24.068	24.068	0.000	98	3683198	10.0	11.2	
101 1,4-Dichlorobenzene	146	24.213	24.213	0.000	96	3618685	10.0	11.3	
102 Benzyl chloride	91	24.421	24.421	0.000	100	3188537	10.0	11.9	
104 Undecane	57	24.608	24.608	0.000	91	2648147	10.0	12.0	
103 n-Butylbenzene	91	24.630	24.635	-0.005	97	4831176	10.0	11.1	
105 1,2-Dichlorobenzene	146	24.817	24.817	0.000	98	3530256	10.0	11.0	
106 Dodecane	57	26.406	26.406	0.000	92	2523005	10.0	12.7	
107 1,2,4-Trichlorobenzene	180	27.701	27.706	-0.005	92	2932122	10.0	11.3	
108 Hexachlorobutadiene	225	27.904	27.904	0.000	95	3070314	10.0	11.3	
109 Naphthalene	128	28.289	28.289	0.000	99	5076066	10.0	10.2	
110 1,2,3-Trichlorobenzene	180	28.851	28.856	-0.005	94	2669682	10.0	11.3	

QC Flag Legend

Processing Flags
NC - Not Calibrated
E - Exceeded Maximum Amount

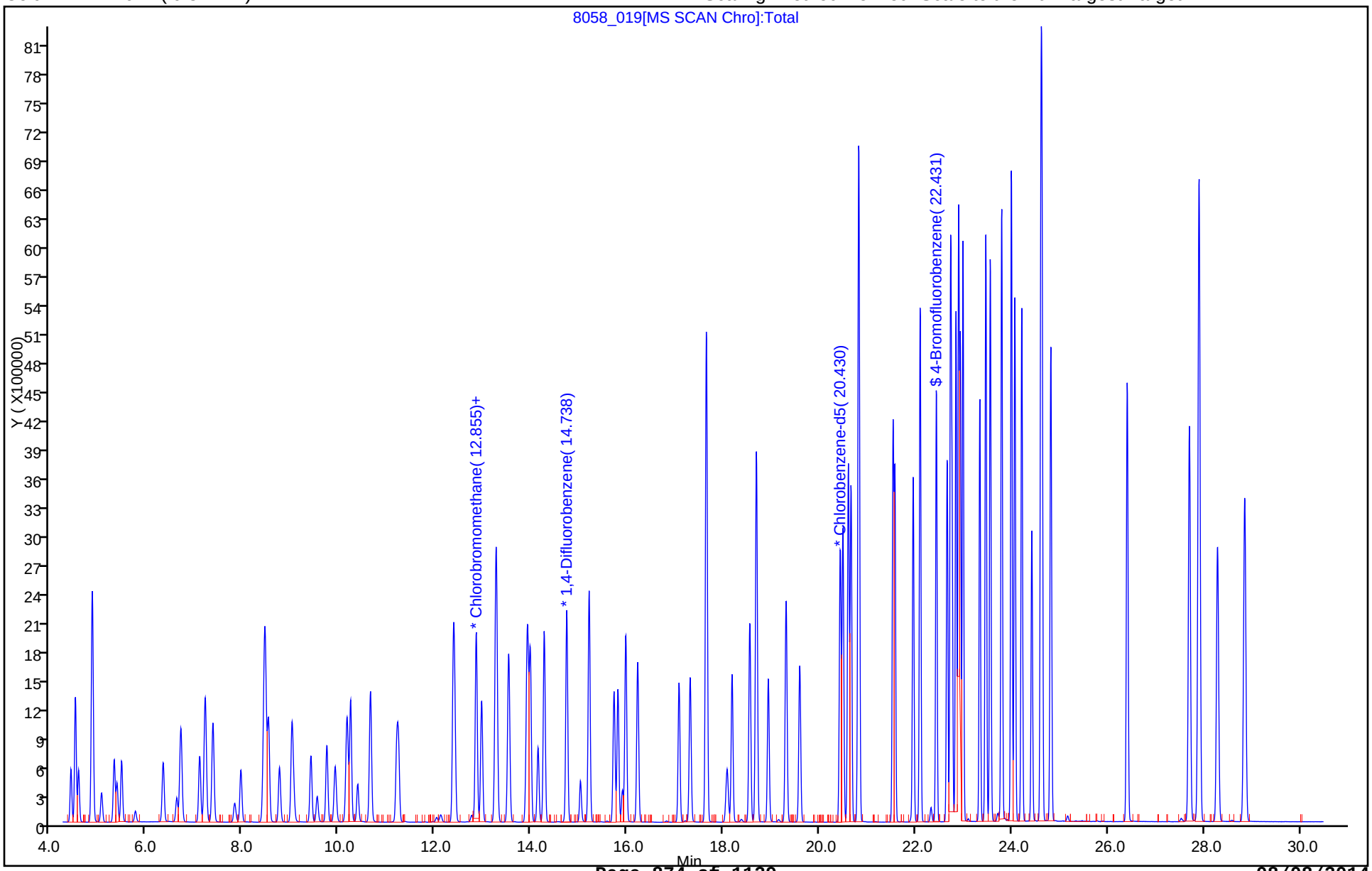
Report Date: 16-Jun-2014 10:41:04 Chrom Revision: 2.2 16-May-2014 10:46:48

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140613-8058.b\8058_019.d

Injection Date:	15-Jun-2014 02:11:30	Instrument ID:	CHW.i	Operator ID:	PAD
Lims ID:	ICV			Worklist Smp#:	19
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	18
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.: 280-58004-1

SDG No.:

Lab Sample ID: CCVIS 200-75709/2 Calibration Date: 08/06/2014 12:25

Instrument ID: CHW.i Calib Start Date: 06/14/2014 09:46

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 06/15/2014 00:33

Lab File ID: 8889_002.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.7346	0.7727		10.5	10.0	5.2	30.0
Dichlorodifluoromethane	Ave	2.924	3.430		11.7	10.0	17.3	30.0
Freon 22	Ave	1.462	1.630		11.1	10.0	11.5	30.0
1,2-Dichlorotetrafluoroethane	Ave	2.926	3.380		11.5	10.0	15.5	30.0
Chloromethane	Ave	0.8652	0.9229		10.7	10.0	6.7	30.0
n-Butane	Ave	1.434	1.488		10.4	10.0	3.8	30.0
Vinyl chloride	Ave	1.075	1.158		10.8	10.0	7.7	30.0
1,3-Butadiene	Ave	0.7639	0.8155		10.7	10.0	6.8	30.0
Bromomethane	Ave	1.080	1.210		11.2	10.0	12.1	30.0
Chloroethane	Ave	0.6068	0.6388		10.5	10.0	5.3	30.0
Isopentane	Ave	1.136	1.085		9.55	10.0	-4.5	30.0
Bromoethene(Vinyl Bromide)	Ave	1.323	1.419		10.7	10.0	7.3	30.0
Trichlorofluoromethane	Ave	3.226	3.448		10.7	10.0	6.9	30.0
n-Pentane	Ave	1.633	1.617		9.90	10.0	-0.9	30.0
Ethanol	Ave	0.4158	0.3303		11.9	15.0	-20.6	30.0
Ethyl ether	Ave	0.7309	0.7168		9.81	10.0	-1.9	30.0
Acrolein	Ave	0.3109	0.2751		8.85	10.0	-11.5	30.0
Freon TF	Ave	2.473	2.691		10.9	10.0	8.8	30.0
1,1-Dichloroethene	Ave	1.213	1.278		10.5	10.0	5.4	30.0
Acetone	Ave	1.526	1.525		9.99	10.0	-0.0	30.0
Carbon disulfide	Ave	3.022	3.253		10.8	10.0	7.7	30.0
Isopropyl alcohol	Ave	1.287	1.305		10.1	10.0	1.4	30.0
3-Chloropropene	Ave	1.164	1.097		9.43	10.0	-5.7	30.0
Acetonitrile	Ave	0.6509	0.6501		9.99	10.0	-0.1	30.0
Methylene Chloride	Ave	1.047	1.042		9.94	10.0	-0.5	30.0
tert-Butyl alcohol	Ave	1.859	1.974		10.6	10.0	6.2	30.0
Methyl tert-butyl ether	Ave	3.241	3.254		10.0	10.0	0.4	30.0
trans-1,2-Dichloroethene	Ave	1.455	1.495		10.3	10.0	2.7	30.0
Acrylonitrile	Ave	0.7082	0.7057		9.96	10.0	-0.4	30.0
n-Hexane	Ave	1.763	1.616		9.16	10.0	-8.3	30.0
1,1-Dichloroethane	Ave	1.924	1.972		10.2	10.0	2.5	30.0
Vinyl acetate	Ave	2.357	2.262		9.59	10.0	-4.0	30.0
cis-1,2-Dichloroethene	Ave	1.363	1.452		10.6	10.0	6.5	30.0
Methyl Ethyl Ketone	Ave	0.6442	0.6198		9.62	10.0	-3.8	30.0
Ethyl acetate	Ave	0.1082	0.1142		10.5	10.0	5.5	30.0
Tetrahydrofuran	Ave	0.2121	0.2166		10.2	10.0	2.1	30.0
Chloroform	Ave	2.381	2.540		10.7	10.0	6.7	30.0
Cyclohexane	Ave	0.3707	0.3866		10.4	10.0	4.3	30.0
1,1,1-Trichloroethane	Ave	0.5284	0.5733		10.8	10.0	8.5	30.0
Carbon tetrachloride	Ave	0.5791	0.6350		11.0	10.0	9.6	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Lab Sample ID: CCVIS 200-75709/2 Calibration Date: 08/06/2014 12:25

Instrument ID: CHW.i Calib Start Date: 06/14/2014 09:46

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 06/15/2014 00:33

Lab File ID: 8889_002.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,2,4-Trimethylpentane	Ave	1.110	1.128		10.2	10.0	1.6	30.0
Benzene	Ave	0.7846	0.8362		10.7	10.0	6.6	30.0
1,2-Dichloroethane	Ave	0.2897	0.2966		10.2	10.0	2.4	30.0
n-Heptane	Ave	0.4010	0.3687		9.19	10.0	-8.1	30.0
n-Butanol	Ave	0.1256	0.1193		9.49	10.0	-5.0	30.0
Trichloroethene	Ave	0.3675	0.3915		10.7	10.0	6.5	30.0
1,2-Dichloropropane	Ave	0.2693	0.2813		10.4	10.0	4.4	30.0
Methyl methacrylate	Ave	0.2655	0.2798		10.5	10.0	5.4	30.0
1,4-Dioxane	Ave	0.1355	0.1486		11.0	10.0	9.7	30.0
Dibromomethane	Ave	0.4358	0.4711		10.8	10.0	8.1	30.0
Bromodichloromethane	Ave	0.5232	0.5944		11.4	10.0	13.6	30.0
cis-1,3-Dichloropropene	Ave	0.4034	0.4322		10.7	10.0	7.1	30.0
methyl isobutyl ketone	Ave	0.4611	0.4832		10.5	10.0	4.8	30.0
n-Octane	Ave	0.5158	0.5122		9.93	10.0	-0.7	30.0
Toluene	Ave	0.7106	0.7105		10.0	10.0	-0.0	30.0
trans-1,3-Dichloropropene	Ave	0.4011	0.4449		11.1	10.0	10.9	30.0
1,1,2-Trichloroethane	Ave	0.3064	0.3234		10.6	10.0	5.6	30.0
Tetrachloroethene	Ave	0.7360	0.7547		10.3	10.0	2.5	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.4820	0.4792		9.94	10.0	-0.6	30.0
Dibromochloromethane	Ave	0.7067	0.8004		11.3	10.0	13.3	30.0
1,2-Dibromoethane	Ave	0.5988	0.6580		11.0	10.0	9.9	30.0
Chlorobenzene	Ave	0.9822	1.053		10.7	10.0	7.2	30.0
Ethylbenzene	Ave	1.413	1.553		11.0	10.0	9.9	30.0
n-Nonane	Ave	0.6008	0.5995		9.98	10.0	-0.2	30.0
m,p-Xylene	Ave	0.6039	0.6880		22.8	20.0	13.9	30.0
Xylene, o-	Ave	0.6168	0.6783		11.0	10.0	10.0	30.0
Styrene	Ave	0.8948	1.042		11.6	10.0	16.5	30.0
Bromoform	Ave	0.7586	0.9531		12.6	10.0	25.6	30.0
Cumene	Ave	1.685	1.947		11.6	10.0	15.6	30.0
1,1,2,2-Tetrachloroethane	Ave	0.7754	0.9016		11.6	10.0	16.3	30.0
n-Propylbenzene	Ave	1.881	2.229		11.8	10.0	18.5	30.0
1,2,3-Trichloropropane	Ave	0.5980	0.6761		11.3	10.0	13.1	30.0
n-Decane	Ave	0.7332	0.8083		11.0	10.0	10.2	30.0
4-Ethyltoluene	Ave	1.677	1.997		11.9	10.0	19.1	30.0
2-Chlorotoluene	Ave	1.371	1.589		11.6	10.0	15.8	30.0
1,3,5-Trimethylbenzene	Ave	1.432	1.680		11.7	10.0	17.3	30.0
Alpha Methyl Styrene	Ave	0.7245	0.8829		12.2	10.0	21.9	30.0
tert-Butylbenzene	Ave	1.474	1.722		11.7	10.0	16.9	30.0
1,2,4-Trimethylbenzene	Ave	1.440	1.698		11.8	10.0	17.9	30.0
sec-Butylbenzene	Ave	2.055	2.480		12.1	10.0	20.7	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Lab Sample ID: CCVIS 200-75709/2 Calibration Date: 08/06/2014 12:25

Instrument ID: CHW.i Calib Start Date: 06/14/2014 09:46

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 06/15/2014 00:33

Lab File ID: 8889_002.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Isopropyltoluene	Ave	1.825	2.215		12.1	10.0	21.4	30.0
1,3-Dichlorobenzene	Ave	1.115	1.330		11.9	10.0	19.2	30.0
1,4-Dichlorobenzene	Ave	1.090	1.298		11.9	10.0	19.1	30.0
Benzyl chloride	Ave	0.9111	1.123		12.3	10.0	23.2	30.0
n-Undecane	Ave	0.7476	0.8923		11.9	10.0	19.4	30.0
n-Butylbenzene	Ave	1.471	1.851		12.6	10.0	25.8	30.0
1,2-Dichlorobenzene	Ave	1.088	1.285		11.8	10.0	18.2	30.0
n-Dodecane	Ave	0.6729	0.7197		10.7	10.0	6.9	30.0
1,2,4-Trichlorobenzene	Ave	0.8812	0.8658		9.82	10.0	-1.8	30.0
Hexachlorobutadiene	Ave	0.9202	0.9785		10.6	10.0	6.3	30.0
Naphthalene	Ave	1.693	1.397		8.25	10.0	-17.5	30.0
1,2,3-Trichlorobenzene	Ave	0.8037	0.7793		9.69	10.0	-3.0	30.0

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140806-8889.b\8889_002.d
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 06-Aug-2014 12:25:30 ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0008889-002
Misc. Info.: CCVIS
Operator ID: BPL Instrument ID: CHW.i
Sublist: chrom-TO15_LLNJ_TO3_W_(v1)*sub2

Method: \\BTV-LIMS1\ChromData\CHW.i\20140806-8889.b\TO15_LLNJ_TO3_W_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 07-Aug-2014 09:53:44 Calib Date: 15-Jun-2014 00:33:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20140613-8058.b\8058_017.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK003

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	4.397	4.397	0.000	97	291673	10.0	10.5	
2 Dichlorodifluoromethane	85	4.488	4.488	0.000	99	1294855	10.0	11.7	
6 Chlorodifluoromethane	51	4.552	4.552	0.000	97	615388	10.0	11.1	
7 1,2-Dichloro-1,1,2,2-tetra	85	4.841	4.841	0.000	95	1275702	10.0	11.5	
8 Chloromethane	50	5.034	5.034	0.000	99	348362	10.0	10.7	
9 Butane	43	5.296	5.296	0.000	98	561595	10.0	10.4	
10 Vinyl chloride	62	5.355	5.355	0.000	97	437060	10.0	10.8	
11 Butadiene	54	5.451	5.451	0.000	93	307832	10.0	10.7	
13 BFB									
12 Bromomethane	94	6.318	6.318	0.000	99	456851	10.0	11.2	
14 Chloroethane	64	6.596	6.596	0.000	99	241119	10.0	10.5	
15 2-Methylbutane	43	6.681	6.681	0.000	92	409664	10.0	9.55	
16 Vinyl bromide	106	7.077	7.077	0.000	99	535667	10.0	10.7	
17 Trichlorofluoromethane	101	7.190	7.190	0.000	98	1301397	10.0	10.7	
18 Pentane	43	7.355	7.355	0.000	96	610503	10.0	9.90	
19 Ethanol	45	7.799	7.799	0.000	99	187078	15.0	11.9	
21 Ethyl ether	59	7.939	7.939	0.000	93	270578	10.0	9.81	
22 Acrolein	56	8.399	8.399	0.000	95	103836	10.0	8.85	
23 1,1,2-Trichloro-1,2,2-trif	101	8.436	8.436	0.000	94	1015825	10.0	10.9	
24 1,1-Dichloroethene	96	8.511	8.511	0.000	91	482547	10.0	10.5	
25 Acetone	43	8.741	8.741	0.000	90	575683	10.0	9.99	
26 Carbon disulfide	76	8.998	8.998	0.000	98	1228026	10.0	10.8	
27 Isopropyl alcohol	45	9.025	9.025	0.000	98	492494	10.0	10.1	
29 3-Chloro-1-propene	41	9.399	9.399	0.000	90	414111	10.0	9.43	
30 Acetonitrile	41	9.527	9.527	0.000	100	245384	10.0	9.99	
31 Methylene Chloride	49	9.731	9.731	0.000	83	393160	10.0	9.94	
32 2-Methyl-2-propanol	59	9.897	9.897	0.000	99	745039	10.0	10.6	
33 Methyl tert-butyl ether	73	10.148	10.148	0.000	96	1228257	10.0	10.0	
S 41 1,2-Dichloroethene, Total	61				0		20.0	20.9	
34 trans-1,2-Dichloroethene	61	10.223	10.223	0.000	87	564325	10.0	10.3	
35 Acrylonitrile	53	10.367	10.367	0.000	96	266378	10.0	9.96	

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	10.640	10.640	0.000	88	610018	10.0	9.16	
37 1,1-Dichloroethane	63	11.191	11.191	0.000	99	744440	10.0	10.2	
38 Vinyl acetate	43	11.223	11.223	0.000	99	853795	10.0	9.59	
39 cis-1,2-Dichloroethene	96	12.363	12.363	0.000	94	548165	10.0	10.6	
40 2-Butanone (MEK)	72	12.373	12.373	0.000	99	233963	10.0	9.62	
42 Ethyl acetate	88	12.395	12.395	0.000	97	43104	10.0	10.5	
44 Tetrahydrofuran	42	12.834	12.834	0.000	89	389672	10.0	10.2	
* 43 Chlorobromomethane	128	12.844	12.844	0.000	75	377553	10.0	10.0	
45 Chloroform	83	12.957	12.957	0.000	100	958676	10.0	10.7	
46 Cyclohexane	84	13.251	13.251	0.000	85	695550	10.0	10.4	
47 1,1,1-Trichloroethane	97	13.262	13.262	0.000	96	1031264	10.0	10.8	
48 Carbon tetrachloride	117	13.518	13.518	0.000	97	1142322	10.0	11.0	
51 Isooctane	57	13.909	13.909	0.000	99	2028432	10.0	10.2	
50 Benzene	78	13.968	13.968	0.000	93	1504248	10.0	10.7	
52 1,2-Dichloroethane	62	14.128	14.128	0.000	97	533553	10.0	10.2	
53 n-Heptane	43	14.257	14.257	0.000	86	663272	10.0	9.19	
* 54 1,4-Difluorobenzene	114	14.727	14.727	0.000	92	1799333	10.0	10.0	
A 57 GRO	1	14.757	(6.671-22.842)		0	193099115	10.0	0	
55 n-Butanol	56	15.011	15.011	0.000	84	214611	10.0	9.49	
56 Trichloroethene	95	15.193	15.193	0.000	93	704365	10.0	10.7	
58 1,2-Dichloropropane	63	15.712	15.712	0.000	94	505998	10.0	10.4	
59 Methyl methacrylate	69	15.797	15.797	0.000	80	503297	10.0	10.5	
60 1,4-Dioxane	88	15.883	15.883	0.000	87	267307	10.0	11.0	
61 Dibromomethane	174	15.958	15.958	0.000	89	847550	10.0	10.8	
62 Dichlorobromomethane	83	16.204	16.204	0.000	98	1069361	10.0	11.4	
A 63 TVOC as Toluene	92	16.621	(4.387-28.855)		0	343661038	10.0	2687.6	
64 cis-1,3-Dichloropropene	75	17.065	17.065	0.000	88	777488	10.0	10.7	
65 4-Methyl-2-pentanone (MIBK	43	17.295	17.295	0.000	93	869335	10.0	10.5	
69 n-Octane	43	17.632	17.632	0.000	86	921368	10.0	9.93	
A 68 C8 Range	1	17.632	(17.582-17.682)		0	8619530	NC	NC	
A 67 Toluene Range	92	17.638	(17.598-17.678)		0	8619530	10.0	70.9	E
66 Toluene	92	17.638	17.638	0.000	93	1216086	10.0	10.0	
70 trans-1,3-Dichloropropene	75	18.173	18.173	0.000	93	800304	10.0	11.1	
71 1,1,2-Trichloroethane	83	18.536	18.536	0.000	94	553560	10.0	10.6	
72 Tetrachloroethene	166	18.681	18.681	0.000	95	1291655	10.0	10.3	
73 2-Hexanone	43	18.922	18.922	0.000	92	820183	10.0	9.94	
74 Chlorodibromomethane	129	19.296	19.296	0.000	97	1370008	10.0	11.3	
75 Ethylene Dibromide	107	19.580	19.580	0.000	99	1126194	10.0	11.0	
S 82 Xylenes, Total	106				0		30.0	33.8	
* 76 Chlorobenzene-d5	117	20.425	20.425	0.000	81	1711935	10.0	10.0	
77 Chlorobenzene	112	20.478	20.478	0.000	99	1802059	10.0	10.7	
78 Ethylbenzene	91	20.591	20.591	0.000	96	2658106	10.0	11.0	
79 n-Nonane	57	20.649	20.649	0.000	82	1026043	10.0	9.98	
80 m-Xylene & p-Xylene	106	20.810	20.810	0.000	98	2355230	20.0	22.8	
83 o-Xylene	106	21.521	21.521	0.000	96	1161010	10.0	11.0	
84 Styrene	104	21.564	21.564	0.000	98	1783944	10.0	11.6	
85 Bromoform	173	21.944	21.944	0.000	99	1631261	10.0	12.6	
86 Isopropylbenzene	105	22.089	22.089	0.000	94	3333109	10.0	11.6	
$ 87 4-Bromofluorobenzene	95	22.426	22.426	0.000	97	1134305	NC	NC	
88 1,1,2,2-Tetrachloroethane	83	22.650	22.650	0.000	97	1543134	10.0	11.6	
90 N-Propylbenzene	91	22.725	22.725	0.000	99	3815206	10.0	11.8	
89 1,2,3-Trichloropropane	75	22.752	22.752	0.000	95	1157176	10.0	11.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
93 n-Decane	57	22.832	22.832	0.000	83	1383413	10.0	11.0	
91 4-Ethyltoluene	105	22.891	22.891	0.000	97	3417450	10.0	11.9	
92 2-Chlorotoluene	91	22.923	22.923	0.000	95	2718997	10.0	11.6	
94 1,3,5-Trimethylbenzene	105	22.982	22.982	0.000	95	2874836	10.0	11.7	
95 Alpha Methyl Styrene	118	23.335	23.335	0.000	92	1511215	10.0	12.2	
96 tert-Butylbenzene	119	23.458	23.458	0.000	96	2948183	10.0	11.7	
97 1,2,4-Trimethylbenzene	105	23.549	23.549	0.000	95	2906109	10.0	11.8	
98 sec-Butylbenzene	105	23.790	23.790	0.000	98	4245618	10.0	12.1	
99 4-Isopropyltoluene	119	23.988	23.988	0.000	97	3790378	10.0	12.1	
100 1,3-Dichlorobenzene	146	24.063	24.063	0.000	99	2275856	10.0	11.9	
101 1,4-Dichlorobenzene	146	24.207	24.207	0.000	97	2221318	10.0	11.9	
102 Benzyl chloride	91	24.416	24.416	0.000	99	1921422	10.0	12.3	
104 Undecane	57	24.603	24.603	0.000	90	1527330	10.0	11.9	
103 n-Butylbenzene	91	24.624	24.624	0.000	97	3167801	10.0	12.6	
105 1,2-Dichlorobenzene	146	24.812	24.812	0.000	99	2200059	10.0	11.8	
106 Dodecane	57	26.395	26.395	0.000	92	1231749	10.0	10.7	
107 1,2,4-Trichlorobenzene	180	27.690	27.690	0.000	93	1481824	10.0	9.82	
108 Hexachlorobutadiene	225	27.893	27.893	0.000	97	1674839	10.0	10.6	
109 Naphthalene	128	28.278	28.278	0.000	99	2391859	10.0	8.25	
110 1,2,3-Trichlorobenzene	180	28.845	28.845	0.000	95	1333878	10.0	9.69	

QC Flag Legend

Processing Flags
NC - Not Calibrated
E - Exceeded Maximum Amount

Reagents:

ATTO15CAL4w_00367	Amount Added: 200.00	Units: mL	
ATTO15WISs_00003	Amount Added: 20.00	Units: mL	Run Reagent

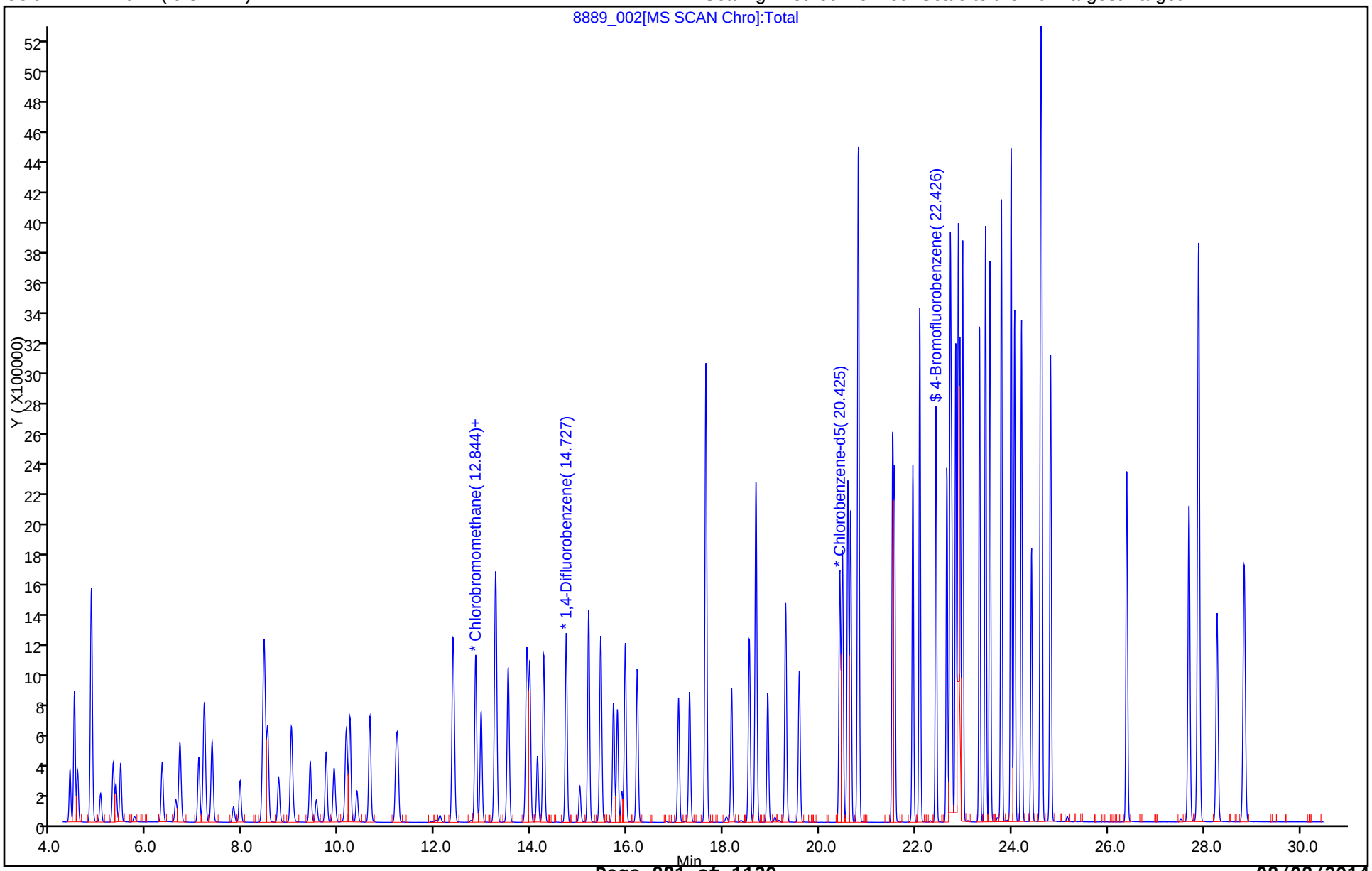
Report Date: 07-Aug-2014 09:53:45 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140806-8889.b\8889_002.d

Injection Date:	06-Aug-2014 12:25:30	Instrument ID:	CHW.i	Operator ID:	BPL
Lims ID:	CCVIS			Worklist Smp#:	2
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	1
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\CHC.i\20140717-8605.b\8605_001.D				
Lims ID:	bfb				
Client ID:					
Sample Type:	BFB				
Inject. Date:	17-Jul-2014 11:15:30	ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	0.0	Dil. Factor:	1.0000		
Sample Info:	200-0008605-001				
Misc. Info.:	bfb				
Operator ID:	wrd	Instrument ID:	CHC.i		
Method:	\\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\TO15_LLNJ_TO3_CHC.m				
Limit Group:	AI_TO15_ICAL				
Last Update:	21-Jul-2014 11:27:30	Calib Date:	18-Jul-2014 09:36:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal/External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\8605_018.D				
Column 1 :	RTX-624 (0.32 mm)		Det: MS SCAN		
Process Host:	XAWRK025				
First Level Reviewer: desjardinsb		Date:	17-Jul-2014 11:30:10		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
18 BFB									
* 43 Chlorobromomethane	128		10.551					0	
* 54 1,4-Difluorobenzene	114		12.568					0	
* 76 Chlorobenzene-d5	117		18.625					0	
$ 87 4-Bromofluorobenzene	95		20.963					ND	

QC Flag Legend

Processing Flags
ND - Not Detected or Marked ND

Reagents:

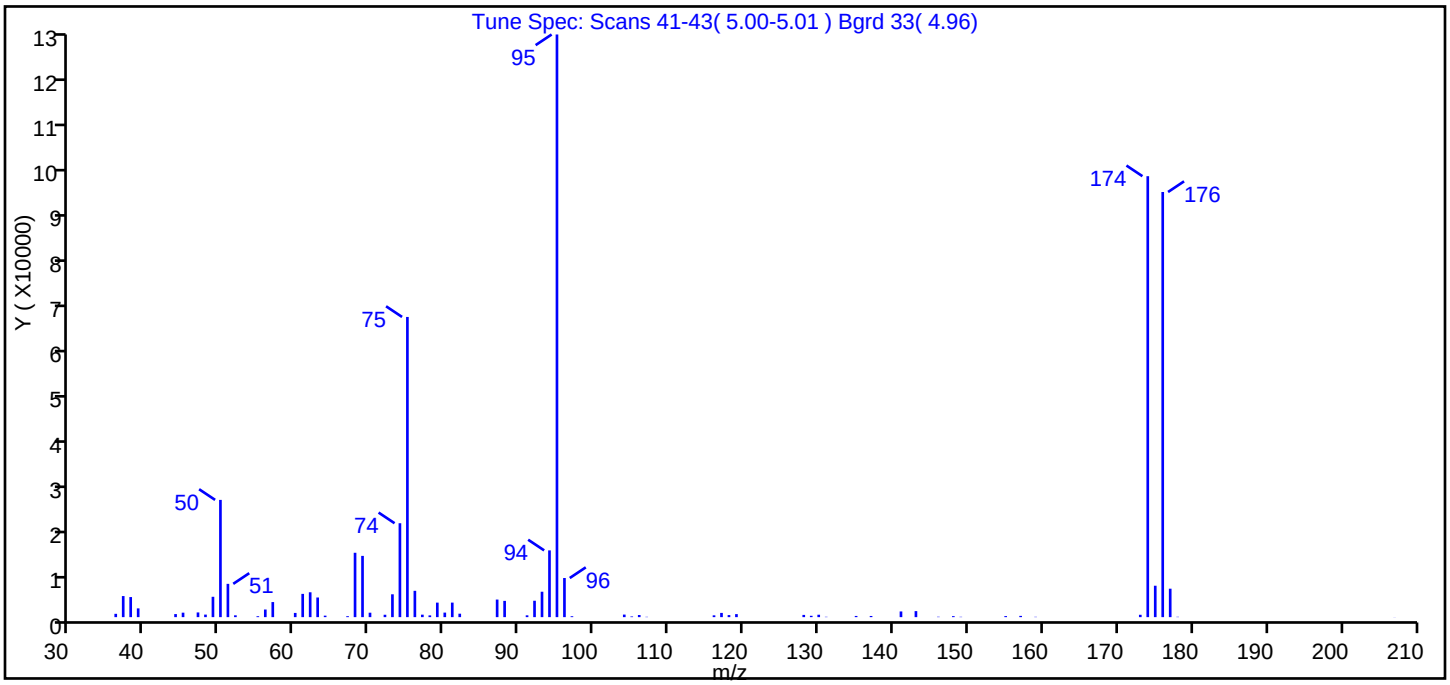
ATTO15CISs_00006 Amount Added: 20.00 Units: mL Run Reagent

MS Tune Report

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\8605_001.D
Injection Date: 17-Jul-2014 11:15:30 Instrument ID: CHC.i
Lims ID: bfb
Client ID:
Operator ID: wrd ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 0.0 Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHC Limit Group: AI_TO15_ICAL
Tune Method: BFB Method TO-15

18 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	20.10
75	30.00 - 66.00% of mass 95	51.50
96	5.00 - 9.00% of mass 95	6.70
173	Less than 2.00% of mass 174	0.40 (0.50)
174	50.00 - 120.00% of mass 95	75.70
175	4.00 - 9.00% of mass 174	5.40 (7.10)
176	93.00 - 101.00% of mass 174	73.00 (96.40)
177	5.00 - 9.00% of mass 176	4.90 (6.70)

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\8605_001.D\TO15_LLNJ_TO3_CHC.rslt\spectra.d
Injection Date: 17-Jul-2014 11:15:30
Spectrum: Tune Spec: Scans 41-43(5.00-5.01) Bgrd 33(4.96)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 73

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	690	64.00	310	92.00	3412	137.00	243
37.00	4386	67.00	196	93.00	5287	141.00	1185
38.00	4177	68.00	13391	94.00	13887	143.00	1254
39.00	1823	69.00	12743	95.00	121208	146.00	82
44.00	637	70.00	925	96.00	8140	148.00	205
45.00	931	72.00	498	97.00	186	149.00	70
47.00	978	73.00	4753	104.00	534	155.00	221
48.00	530	74.00	19536	105.00	142	157.00	262
49.00	4235	75.00	62448	106.00	443	159.00	67
50.00	24392	76.00	5477	107.00	66	173.00	491
51.00	6927	77.00	516	116.00	376	174.00	91728
52.00	380	78.00	365	117.00	881	175.00	6534
55.00	190	79.00	3020	118.00	430	176.00	88440
56.00	1588	80.00	945	119.00	631	177.00	5918
57.00	3136	81.00	3025	128.00	465	178.00	72
60.00	877	82.00	718	129.00	281	207.00	20
61.00	4840	87.00	3658	130.00	501		
62.00	5174	88.00	3383	131.00	72		
63.00	4088	91.00	378	135.00	248		

TestAmerica Burlington
Target Compound Quantitation Report

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140723-8677.b\8677_001.D				
Lims ID:	bfb				
Client ID:					
Sample Type:	BFB				
Inject. Date:	23-Jul-2014 08:42:30	ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	0.0	Dil. Factor:	1.0000		
Sample Info:	200-0008677-001				
Misc. Info.:	bfb				
Operator ID:	bpl	Instrument ID:	CHC.i		
Method:	\\BTV-LIMS1\ChromData\CHC.i\20140723-8677.b\TO15_LLNJ_TO3_CHC.m				
Limit Group:	AI_TO15_ICAL				
Last Update:	23-Jul-2014 11:10:38	Calib Date:	18-Jul-2014 09:36:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal/External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\8605_018.D				
Column 1 :	RTX-624 (0.32 mm)		Det: MS SCAN		
Process Host:	XAWRK001				

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
18 BFB									
* 43 Chlorobromomethane	128		10.551					0	
* 54 1,4-Difluorobenzene	114		12.568					0	
* 76 Chlorobenzene-d5	117		18.620					0	
$ 87 4-Bromofluorobenzene	95		20.963					ND	

QC Flag Legend

Processing Flags
ND - Not Detected or Marked ND

Reagents:

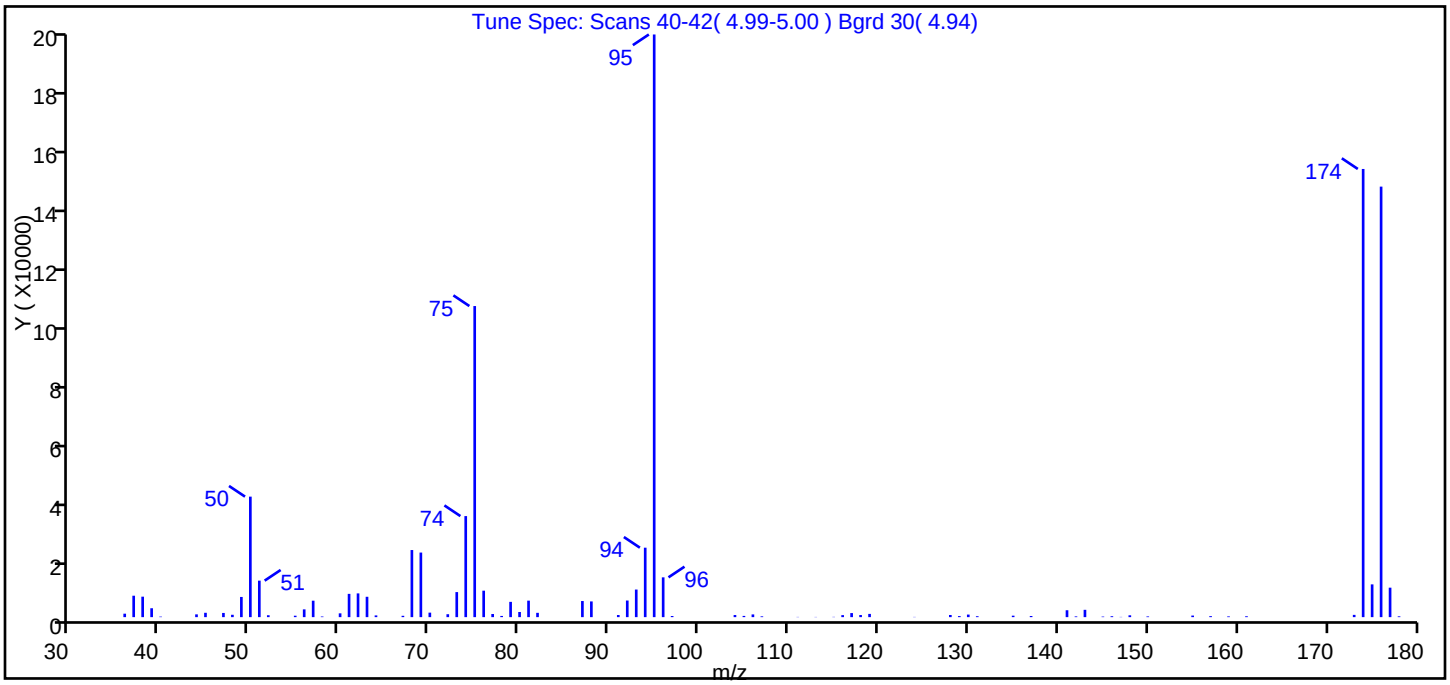
ATTO15CISs_00006 Amount Added: 20.00 Units: mL Run Reagent

MS Tune Report

TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140723-8677.b\8677_001.D				
Injection Date:	23-Jul-2014 08:42:30	Instrument ID:	CHC.i		
Lims ID:	bfb				
Client ID:					
Operator ID:	bpl	ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	0.0	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Tune Method:	BFB Method TO-15				

18 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	20.70
75	30.00 - 66.00% of mass 95	53.40
96	5.00 - 9.00% of mass 95	6.80
173	Less than 2.00% of mass 174	0.40 (0.50)
174	50.00 - 120.00% of mass 95	76.90
175	4.00 - 9.00% of mass 174	5.60 (7.30)
176	93.00 - 101.00% of mass 174	73.90 (96.10)
177	5.00 - 9.00% of mass 176	5.10 (6.80)

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140723-8677.b\8677_001.D\TO15_LLNJ_TO3_CHC.rslt\spectra.d
Injection Date: 23-Jul-2014 08:42:30
Spectrum: Tune Spec: Scans 40-42(4.99-5.00) Bgrd 30(4.94)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 82

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1154	64.00	579	94.00	23168	137.00	382
37.00	7147	67.00	447	95.00	194368	141.00	2302
38.00	6829	68.00	22384	96.00	13277	142.00	249
39.00	2972	69.00	21544	97.00	374	143.00	2443
40.00	174	70.00	1504	104.00	705	145.00	188
44.00	929	72.00	977	105.00	409	146.00	303
45.00	1453	73.00	8358	106.00	912	147.00	76
47.00	1399	74.00	33712	107.00	263	148.00	612
48.00	790	75.00	103776	111.00	73	150.00	238
49.00	6735	76.00	8827	113.00	68	155.00	528
50.00	40200	77.00	1050	115.00	90	157.00	331
51.00	12174	78.00	403	116.00	674	159.00	247
52.00	637	79.00	5098	117.00	1359	161.00	296
55.00	476	80.00	1717	118.00	703	173.00	757
56.00	2596	81.00	5504	119.00	1083	174.00	149504
57.00	5489	82.00	1439	124.00	75	175.00	10931
58.00	214	87.00	5373	128.00	717	176.00	143616
60.00	1270	88.00	5246	129.00	350	177.00	9832
61.00	7764	91.00	708	130.00	857	178.00	270
62.00	7922	92.00	5544	131.00	309		
63.00	6793	93.00	9206	135.00	489		

TestAmerica Burlington
Target Compound Quantitation Report

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140804-8834.b\8834_001.D				
Lims ID:	bfb				
Client ID:					
Sample Type:	BFB				
Inject. Date:	04-Aug-2014 08:48:30	ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	0.0	Dil. Factor:	1.0000		
Sample Info:	200-0008834-001				
Misc. Info.:	bfb				
Operator ID:	wrd	Instrument ID:	CHC.i		
Method:	\\BTV-LIMS1\ChromData\CHC.i\20140804-8834.b\TO15_LLNJ_TO3_CHC.m				
Limit Group:	AI_TO15_ICAL				
Last Update:	04-Aug-2014 09:00:58	Calib Date:	18-Jul-2014 09:36:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal/External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\8605_018.D				
Column 1 :	RTX-624 (0.32 mm)		Det: MS SCAN		
Process Host:	XAWRK036				
First Level Reviewer: desjardinsb		Date:	04-Aug-2014 09:00:58		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
18 BFB									
* 43 Chlorobromomethane	128		10.546					0	
* 54 1,4-Difluorobenzene	114		12.558					0	
* 76 Chlorobenzene-d5	117		18.615					0	
$ 87 4-Bromofluorobenzene	95		20.958					ND	

QC Flag Legend

Processing Flags
ND - Not Detected or Marked ND

Reagents:

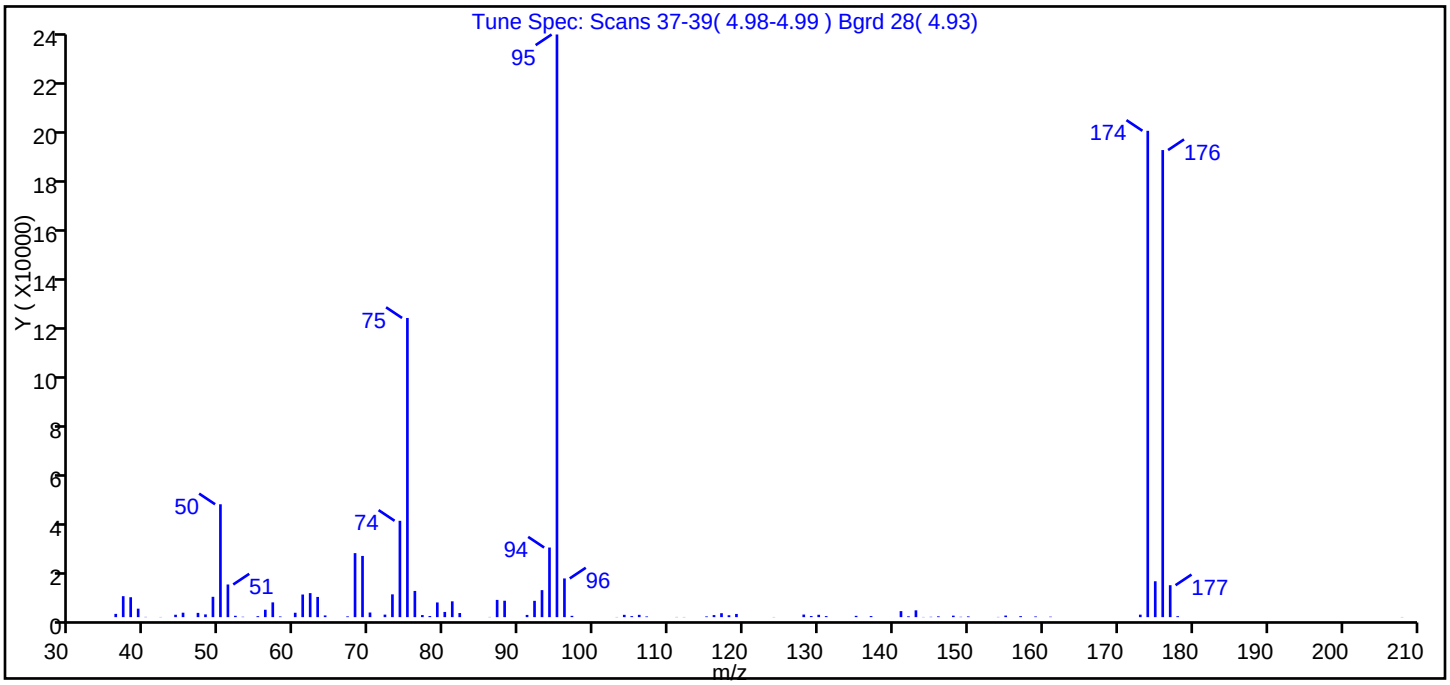
ATTO15CISs_00006 Amount Added: 20.00 Units: mL Run Reagent

MS Tune Report

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140804-8834.b\8834_001.D
Injection Date: 04-Aug-2014 08:48:30 Instrument ID: CHC.i
Lims ID: bfb
Client ID:
Operator ID: wrd ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 0.0 Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHC Limit Group: AI_TO15_ICAL
Tune Method: BFB Method TO-15

18 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	19.40
75	30.00 - 66.00% of mass 95	51.30
96	5.00 - 9.00% of mass 95	6.60
173	Less than 2.00% of mass 174	0.40 (0.50)
174	50.00 - 120.00% of mass 95	83.50
175	4.00 - 9.00% of mass 174	6.20 (7.40)
176	93.00 - 101.00% of mass 174	80.20 (96.00)
177	5.00 - 9.00% of mass 176	5.50 (6.80)

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140804-8834.b\8834_001.D\TO15_LLNJ_TO3_CHC.rslt\spectra.d
Injection Date: 04-Aug-2014 08:48:30
Spectrum: Tune Spec: Scans 37-39(4.98-4.99) Bgrd 28(4.93)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 89

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1336	64.00	694	95.00	238080	142.00	329
37.00	8568	67.00	312	96.00	15818	143.00	2782
38.00	8135	68.00	26152	97.00	534	144.00	76
39.00	3471	69.00	25008	103.00	71	145.00	137
40.00	100	70.00	1893	104.00	944	146.00	328
42.00	71	72.00	1034	105.00	409	148.00	607
44.00	980	73.00	9312	106.00	945	149.00	135
45.00	1817	74.00	39368	107.00	284	150.00	305
47.00	1740	75.00	122240	111.00	80	154.00	88
48.00	1121	76.00	10709	112.00	68	155.00	640
49.00	8307	77.00	844	115.00	300	157.00	405
50.00	46120	78.00	452	116.00	841	159.00	285
51.00	13345	79.00	6005	117.00	1607	161.00	185
52.00	553	80.00	2124	118.00	780	173.00	1015
53.00	152	81.00	6460	119.00	1307	174.00	198720
55.00	396	82.00	1677	124.00	67	175.00	14658
56.00	3029	86.00	78	128.00	1059	176.00	190848
57.00	6036	87.00	7046	129.00	447	177.00	13047
58.00	267	88.00	6706	130.00	966	178.00	386
60.00	1797	91.00	912	131.00	432	208.00	67
61.00	9247	92.00	6665	135.00	528		
62.00	9815	93.00	11035	137.00	436		
63.00	8262	94.00	28440	141.00	2460		

TestAmerica Burlington
Target Compound Quantitation Report

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140805-8862.b\8862_001.D				
Lims ID:	bfb				
Client ID:					
Sample Type:	BFB				
Inject. Date:	05-Aug-2014 10:17:30	ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	0.0	Dil. Factor:	1.0000		
Sample Info:	200-0008862-001				
Misc. Info.:	bfb				
Operator ID:	wrd	Instrument ID:	CHC.i		
Method:	\\BTV-LIMS1\ChromData\CHC.i\20140805-8862.b\TO15_LLNJ_TO3_CHC.m				
Limit Group:	AI_TO15_ICAL				
Last Update:	05-Aug-2014 10:33:43	Calib Date:	18-Jul-2014 09:36:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal/External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\8605_018.D				
Column 1 :	RTX-624 (0.32 mm)		Det: MS SCAN		
Process Host:	XAWRK013				
First Level Reviewer: desjardinsb		Date:	05-Aug-2014 10:33:43		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
18 BFB									
* 43 Chlorobromomethane	128		10.545					0	
* 54 1,4-Difluorobenzene	114		12.563					0	
* 76 Chlorobenzene-d5	117		18.615					0	
$ 87 4-Bromofluorobenzene	95		20.958					ND	

QC Flag Legend

Processing Flags
ND - Not Detected or Marked ND

Reagents:

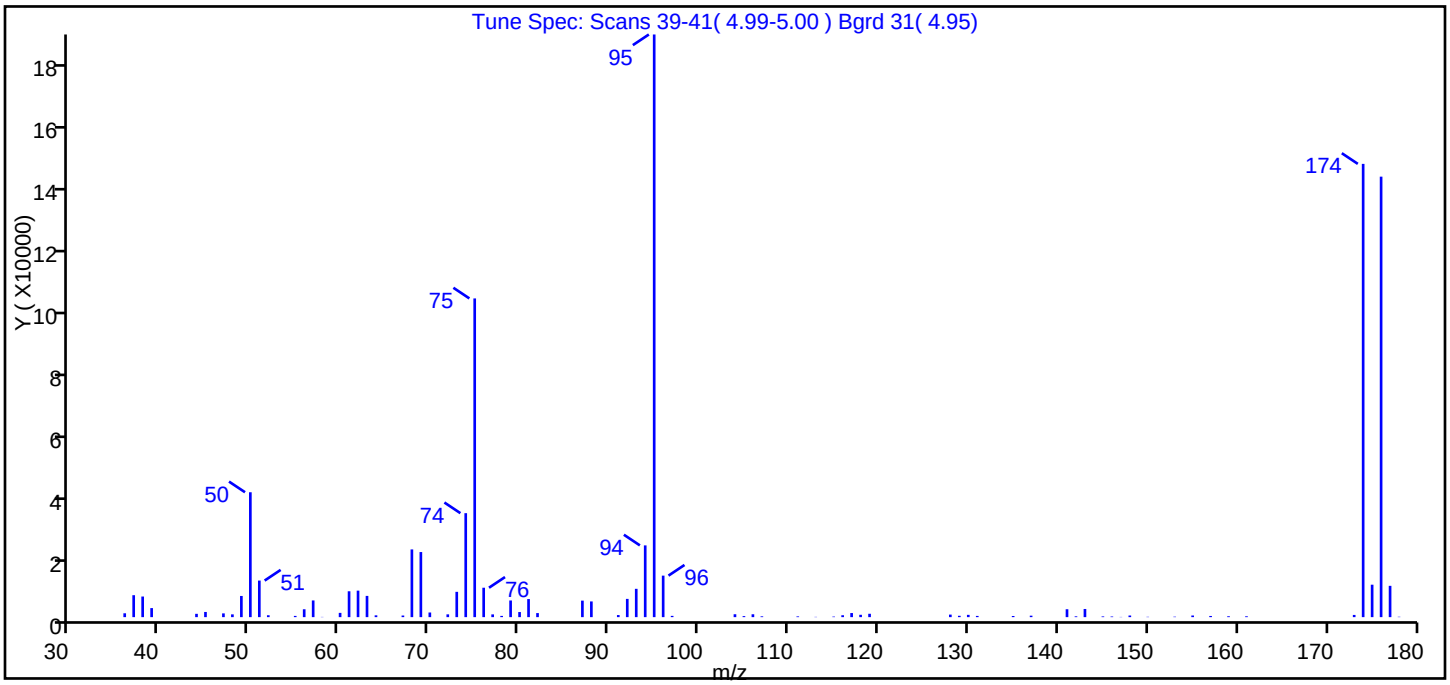
ATTO15CISs_00006 Amount Added: 20.00 Units: mL Run Reagent

MS Tune Report

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140805-8862.b\8862_001.D
Injection Date: 05-Aug-2014 10:17:30 Instrument ID: CHC.i
Lims ID: bfb
Client ID:
Operator ID: wrd ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 0.0 Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHC Limit Group: AI_TO15_ICAL
Tune Method: BFB Method TO-15

18 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	21.40
75	30.00 - 66.00% of mass 95	54.70
96	5.00 - 9.00% of mass 95	7.10
173	Less than 2.00% of mass 174	0.40 (0.50)
174	50.00 - 120.00% of mass 95	77.80
175	4.00 - 9.00% of mass 174	5.60 (7.20)
176	93.00 - 101.00% of mass 174	75.60 (97.20)
177	5.00 - 9.00% of mass 176	5.40 (7.10)

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140805-8862.b\8862_001.D\TO15_LLNJ_TO3_CHC.rslt\spectra.d
Injection Date: 05-Aug-2014 10:17:30
Spectrum: Tune Spec: Scans 39-41(4.99-5.00) Bgrd 31(4.95)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 81

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1256	67.00	525	95.00	189632	142.00	267
37.00	7143	68.00	22040	96.00	13511	143.00	2657
38.00	6709	69.00	21184	97.00	417	145.00	236
39.00	2947	70.00	1514	104.00	946	146.00	207
44.00	1081	72.00	909	105.00	334	147.00	68
45.00	1688	73.00	8236	106.00	940	148.00	528
47.00	1225	74.00	33840	107.00	261	150.00	106
48.00	906	75.00	103728	111.00	242	153.00	148
49.00	6892	76.00	9574	113.00	85	155.00	533
50.00	40648	77.00	900	115.00	181	157.00	384
51.00	11903	78.00	408	116.00	621	159.00	286
52.00	618	79.00	5424	117.00	1335	161.00	279
55.00	404	80.00	1659	118.00	767	173.00	719
56.00	2567	81.00	5881	119.00	1098	174.00	147520
57.00	5437	82.00	1322	128.00	827	175.00	10560
58.00	73	87.00	5375	129.00	440	176.00	143360
60.00	1391	88.00	5114	130.00	746	177.00	10189
61.00	8421	91.00	678	131.00	398	178.00	124
62.00	8627	92.00	5941	135.00	371		
63.00	6913	93.00	9216	137.00	478		
64.00	590	94.00	23352	141.00	2574		

TestAmerica Burlington
Target Compound Quantitation Report

Data File:	\\BTV-LIMS1\ChromData\CHG.i\20140702-8394.b\8394_001.D				
Lims ID:	BFB				
Client ID:					
Sample Type:	BFB				
Inject. Date:	02-Jul-2014 15:15:30	ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	0.0	Dil. Factor:	1.0000		
Sample Info:	200-0008394-001				
Misc. Info.:	bfb				
Operator ID:	PAD	Instrument ID:	CHG.i		
Method:	\\BTV-LIMS1\ChromData\CHG.i\20140702-8394.b\TO15_LLNJ_TO3_G.m				
Limit Group:	AI_TO15_ICAL				
Last Update:	03-Jul-2014 12:48:04	Calib Date:	02-Jul-2014 22:50:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal/External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\BTV-LIMS1\ChromData\CHG.i\20140702-8394.b\8394_010.D				
Column 1 :	RTX-624 (0.32 mm)		Det: MS SCAN		
Process Host:	XAWRK017				
First Level Reviewer: daiglep		Date:	02-Jul-2014 15:36:36		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
13 BFB									
* 43 Chlorobromomethane	128		10.434					0	
* 54 1,4-Difluorobenzene	114		12.441					0	
* 76 Chlorobenzene-d5	117		18.614					0	
* 87 4-Bromofluorobenzene	95		20.989					0	

Reagents:

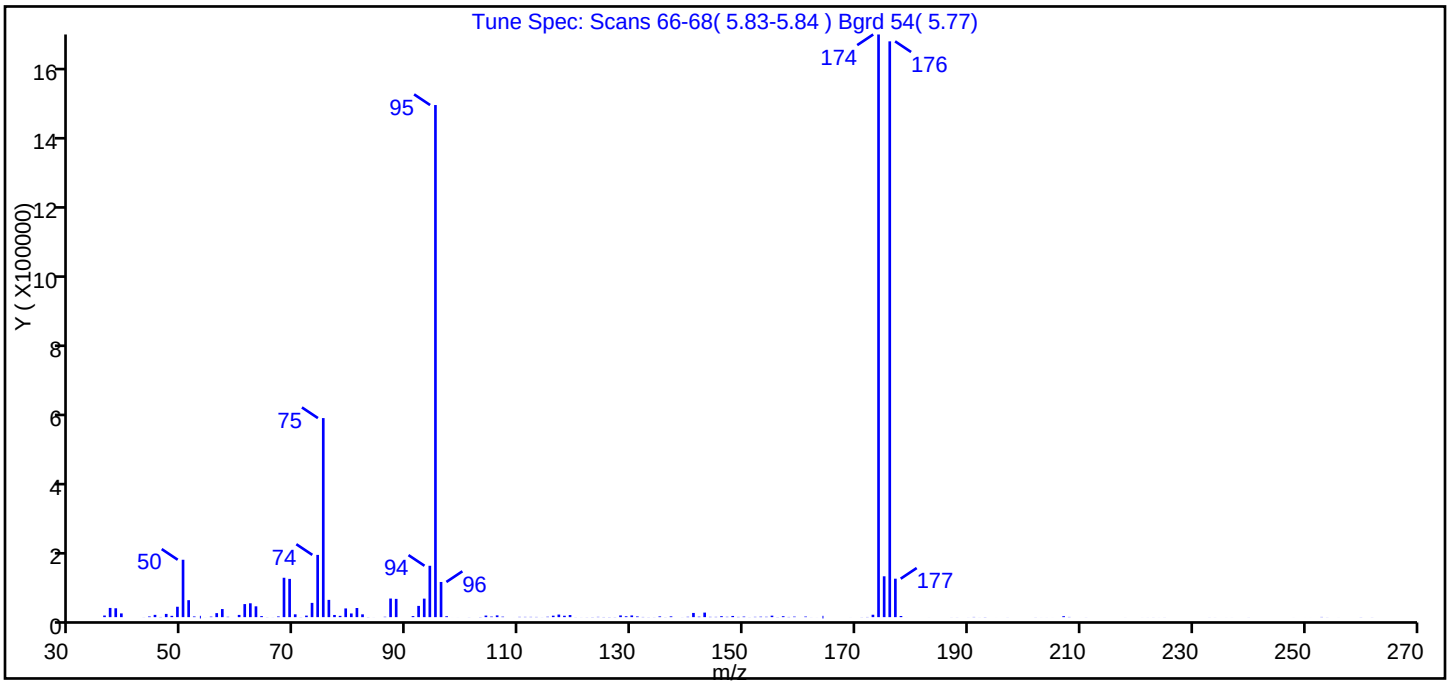
ATTO15GIS_00009 Amount Added: 20.00 Units: mL Run Reagent

MS Tune Report

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140702-8394.b\8394_001.D
Injection Date: 02-Jul-2014 15:15:30 Instrument ID: CHG.i
Lims ID: BFB
Client ID:
Operator ID: PAD ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 0.0 Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_G 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	11.20
75	30.00 - 66.00% of mass 95	38.90
96	5.00 - 9.00% of mass 95	6.90
173	Less than 2.00% of mass 174	0.50 (0.40)
174	50.00 - 120.00% of mass 95	113.80
175	4.00 - 9.00% of mass 174	8.00 (7.00)
176	93.00 - 101.00% of mass 174	112.40 (98.80)
177	5.00 - 9.00% of mass 176	7.50 (6.70)

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140702-8394.b\8394_001.D\TO15_LLNJ_TO3_G.rslt\spectra.d
Injection Date: 02-Jul-2014 15:15:30
Spectrum: Tune Spec: Scans 66-68(5.83-5.84) Bgrd 54(5.77)
Base Peak: 174.00
Minimum % Base Peak: 0
Number of Points: 165

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	4471	82.00	7747	130.00	4704	178.00	3126
37.00	25400	83.00	312	131.00	1919	179.00	49
38.00	24488	84.00	88	132.00	533	183.00	53
39.00	10354	86.00	999	133.00	266	187.00	126
43.00	170	87.00	51344	134.00	223	188.00	149
44.00	1845	88.00	50376	135.00	2068	190.00	94
45.00	6278	91.00	2863	136.00	230	191.00	553
46.00	471	92.00	31008	137.00	2135	192.00	112
47.00	8934	93.00	51048	138.00	12	193.00	376
48.00	3569	94.00	141632	139.00	150	195.00	32
49.00	28656	95.00	1412096	140.00	941	197.00	128
50.00	158272	96.00	97000	141.00	11600	202.00	184
51.00	46792	97.00	2511	142.00	1242	203.00	62
52.00	1881	98.00	33	143.00	12512	204.00	79
53.00	2	99.00	63	144.00	787	205.00	40
54.00	72	101.00	162	145.00	735	207.00	2586
55.00	1425	103.00	408	146.00	2620	208.00	555
56.00	11081	104.00	4356	147.00	938	210.00	24
57.00	22304	105.00	1554	148.00	3298	211.00	131
58.00	1020	106.00	4861	149.00	653	218.00	69
60.00	6139	107.00	1331	150.00	1538	221.00	61
61.00	35968	109.00	35	151.00	185	222.00	84
62.00	38208	110.00	752	152.00	816	223.00	126
63.00	29824	111.00	712	153.00	1251	224.00	64
64.00	2852	112.00	718	154.00	976	225.00	116
65.00	229	113.00	595	155.00	4077	233.00	120
66.00	112	114.00	138	156.00	329	234.00	90
67.00	1935	115.00	1062	157.00	2601	235.00	14
68.00	108608	116.00	4051	158.00	551	236.00	57
69.00	105480	117.00	7087	159.00	1463	237.00	64
70.00	7797	118.00	3865	161.00	1618	240.00	115
71.00	286	119.00	5854	162.00	111	248.00	55
72.00	4244	120.00	183	163.00	68	250.00	18

Report Date: 03-Jul-2014 12:48:04 Chrom Revision: 2.2 24-Jun-2014 07:21:42
Data File: \\BTV-LIMS1\ChromData\CHG.i\20140702-8394.b\8394_001.D\TO15_LLNJ_TO3_G.rslt\spectra.d
Injection Date: 02-Jul-2014 15:15:30
Spectrum: Tune Spec: Scans 66-68(5.83-5.84) Bgrd 54(5.77)
Base Peak: 174.00
Minimum % Base Peak: 0
Number of Points: 165

m/z	Y	m/z	Y	m/z	Y	m/z	Y
73.00	39312	121.00	126	164.00	2	251.00	27
74.00	171648	122.00	218	169.00	60	253.00	560
75.00	548864	123.00	384	171.00	243	254.00	169
76.00	47624	124.00	756	172.00	478	256.00	55
77.00	5972	125.00	430	173.00	6633	260.00	244
78.00	3531	126.00	368	174.00	1606656	262.00	166
79.00	24040	127.00	316	175.00	112648		
80.00	10174	128.00	4736	176.00	1587712		
81.00	25192	129.00	2376	177.00	106024		

TestAmerica Burlington
Target Compound Quantitation Report

Data File:	\\BTV-LIMS1\ChromData\CHG.i\20140722-8660.b\8660_001.D				
Lims ID:	bfb				
Client ID:					
Sample Type:	BFB				
Inject. Date:	22-Jul-2014 09:59:30	ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	0.0 mL	Dil. Factor:	1.0000		
Sample Info:	200-0008660-001				
Misc. Info.:	bfb				
Operator ID:	pad	Instrument ID:	CHG.i		
Method:	\\BTV-LIMS1\ChromData\CHG.i\20140722-8660.b\TO15_LLNJ_TO3_G.m				
Limit Group:	AI_TO15_ICAL				
Last Update:	23-Jul-2014 12:23:50	Calib Date:	02-Jul-2014 22:50:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal/External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\BTV-LIMS1\ChromData\CHG.i\20140702-8394.b\8394_010.D				
Column 1 :	RTX-624 (0.32 mm)		Det: MS SCAN		
Process Host:	XAWRK023				

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
13 BFB									
* 43 Chlorobromomethane	128		10.408					0	
* 54 1,4-Difluorobenzene	114		12.419					0	
* 76 Chlorobenzene-d5	117		18.587					0	
* 87 4-Bromofluorobenzene	95		20.963					0	

Reagents:

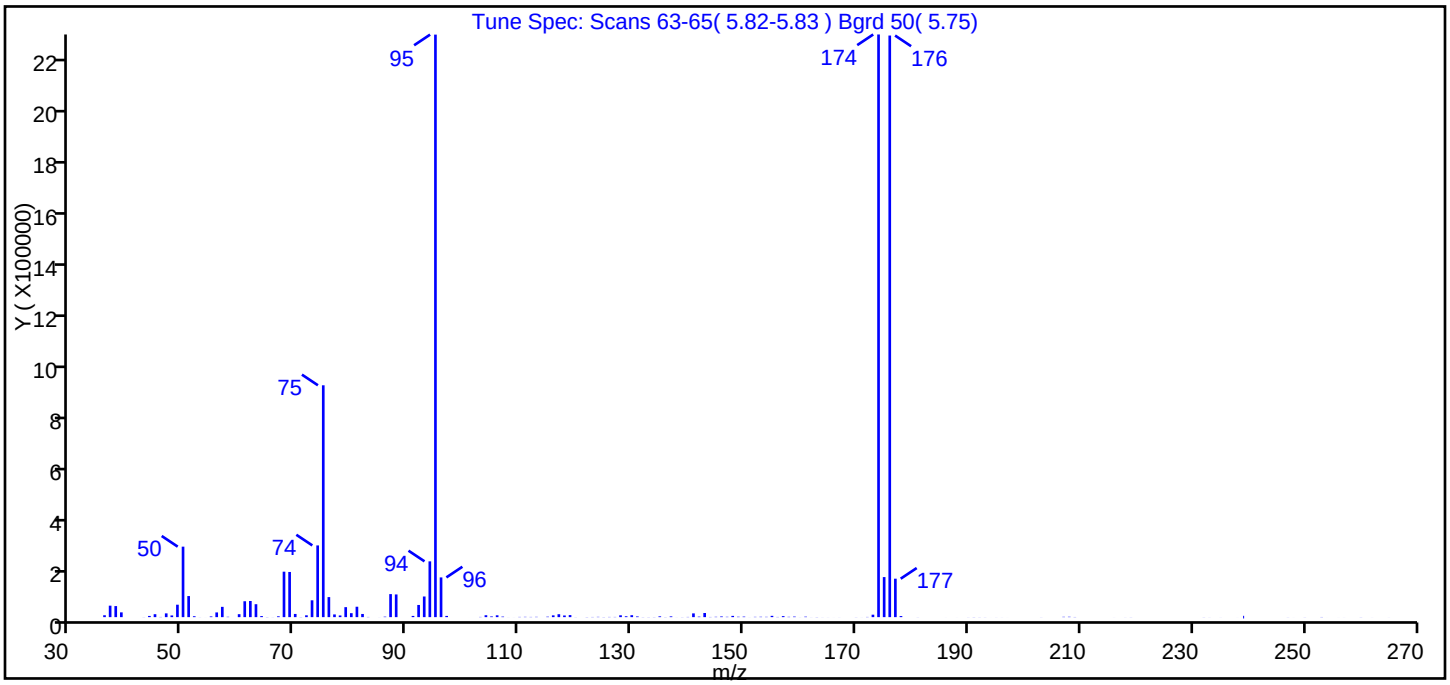
ATTO15GIS_00009 Amount Added: 20.00 Units: mL Run Reagent

MS Tune Report

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140722-8660.b\8660_001.D
Injection Date: 22-Jul-2014 09:59:30 Instrument ID: CHG.i
Lims ID: bfb
Client ID:
Operator ID: pad ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 0.0 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_G 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	12.10
75	30.00 - 66.00% of mass 95	39.80
96	5.00 - 9.00% of mass 95	6.80
173	Less than 2.00% of mass 174	0.40 (0.40)
174	50.00 - 120.00% of mass 95	100.00
175	4.00 - 9.00% of mass 174	6.90 (6.90)
176	93.00 - 101.00% of mass 174	99.80 (99.80)
177	5.00 - 9.00% of mass 176	6.60 (6.60)

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140722-8660.b\8660_001.D\TO15_LLNJ_TO3_G.rslt\spectra.d
Injection Date: 22-Jul-2014 09:59:30
Spectrum: Tune Spec: Scans 63-65(5.82-5.83) Bgrd 50(5.75)
Base Peak: 174.00
Minimum % Base Peak: 0
Number of Points: 162

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	7337	81.00	40112	130.00	7501	173.00	9459
37.00	44216	82.00	12242	131.00	2628	174.00	2245120
38.00	42632	83.00	753	132.00	408	175.00	154368
39.00	18424	85.00	144	133.00	402	176.00	2241024
43.00	310	86.00	1824	134.00	459	177.00	148160
44.00	4638	87.00	88760	135.00	3065	178.00	4128
45.00	11381	88.00	87488	136.00	437	181.00	227
46.00	721	91.00	4711	137.00	2914	186.00	77
47.00	14542	92.00	46936	138.00	124	188.00	64
48.00	6511	93.00	79568	139.00	349	190.00	215
49.00	47936	94.00	214976	140.00	795	191.00	410
50.00	271616	95.00	2244608	141.00	14479	192.00	293
51.00	81280	96.00	153088	142.00	1909	193.00	225
52.00	3485	97.00	4705	143.00	15961	194.00	47
53.00	216	98.00	14	144.00	705	195.00	146
54.00	61	101.00	28	145.00	1300	196.00	115
55.00	2755	103.00	808	146.00	2637	197.00	59
56.00	18168	104.00	7335	147.00	1293	203.00	220
57.00	39648	105.00	2750	148.00	4844	207.00	1237
58.00	1394	106.00	7118	149.00	1519	208.00	1443
60.00	11401	107.00	2084	150.00	2042	209.00	625
61.00	61248	108.00	136	151.00	151	216.00	99
62.00	62216	109.00	108	152.00	1100	218.00	161
63.00	49856	110.00	856	153.00	1419	219.00	281
64.00	4079	111.00	1140	154.00	1174	232.00	301
65.00	500	112.00	806	155.00	5023	233.00	174
66.00	208	113.00	1133	156.00	748	235.00	123
67.00	3214	115.00	1735	157.00	3915	238.00	73
68.00	175168	116.00	6894	158.00	1200	239.00	4
69.00	174080	117.00	11251	159.00	2112	247.00	234
70.00	12337	118.00	6428	160.00	174	248.00	77
71.00	531	119.00	7917	161.00	1809	250.00	266
72.00	7068	120.00	277	162.00	166	253.00	634

Report Date: 23-Jul-2014 12:23:50 Chrom Revision: 2.2 24-Jun-2014 07:21:42
Data File: \\BTV-LIMS1\ChromData\CHG.i\20140722-8660.b\8660_001.D\TO15_LLNJ_TO3_G.rslt\spectra.d
Injection Date: 22-Jul-2014 09:59:30
Spectrum: Tune Spec: Scans 63-65(5.82-5.83) Bgrd 50(5.75)
Base Peak: 174.00
Minimum % Base Peak: 0
Number of Points: 162

m/z	Y	m/z	Y	m/z	Y	m/z	Y
73.00	64896	122.00	504	163.00	455	254.00	37
74.00	276352	123.00	690	164.00	178	256.00	74
75.00	893376	124.00	1093	165.00	152	257.00	102
76.00	77224	125.00	503	166.00	76	260.00	325
77.00	10475	126.00	794	167.00	140	262.00	95
78.00	6454	127.00	770	170.00	298	265.00	111
79.00	38504	128.00	7091	171.00	120		
80.00	15301	129.00	3355	172.00	769		

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140613-8058.b\8058_001.d
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 14-Jun-2014 06:27:30 ALS Bottle#: 1 Worklist Smp#: 1
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0008058-001
Misc. Info.: BFB
Operator ID: PAD Instrument ID: CHW.i

Method: \\BTV-LIMS1\ChromData\CHW.i\20140613-8058.b\TO15_LLNJ_TO3_W_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 16-Jun-2014 10:40:23 Calib Date: 15-Jun-2014 00:33:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20140613-8058.b\8058_017.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK030

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
13 BFB									
* 43 Chlorobromomethane	128		12.860					0	
* 54 1,4-Difluorobenzene	114		14.744					0	
* 76 Chlorobenzene-d5	117		20.430					0	
$ 87 4-Bromofluorobenzene	95		22.436					ND	

QC Flag Legend

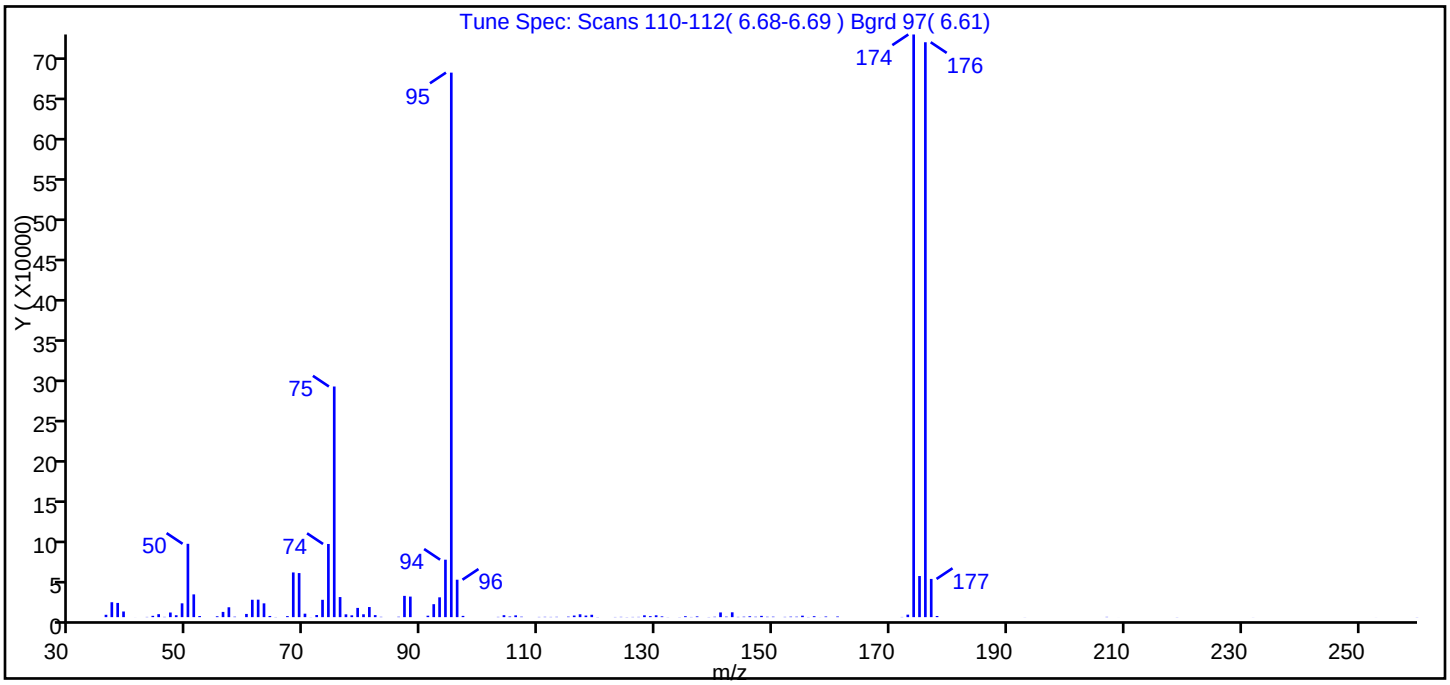
Processing Flags
ND - Not Detected or Marked ND

MS Tune Report

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140613-8058.b\8058_001.d
Injection Date: 14-Jun-2014 06:27:30 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	13.50
75	30.00 - 66.00% of mass 95	42.40
96	5.00 - 9.00% of mass 95	6.90
173	Less than 2.00% of mass 174	0.50 (0.40)
174	50.00 - 120.00% of mass 95	107.00
175	4.00 - 9.00% of mass 174	7.60 (7.10)
176	93.00 - 101.00% of mass 174	105.60 (98.70)
177	5.00 - 9.00% of mass 176	7.00 (6.60)

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140613-8058.b\8058_001.d\TO15_LLNJ_TO3_W_(v1).rslt\spectra.d
Injection Date: 14-Jun-2014 06:27:30
Spectrum: Tune Spec: Scans 110-112(6.68-6.69) Bgrd 97(6.61)
Base Peak: 174.00
Minimum % Base Peak: 0
Number of Points: 116

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	2946	71.00	122	111.00	393	145.00	554
37.00	18568	72.00	2627	112.00	287	146.00	1084
38.00	17688	73.00	21600	113.00	390	147.00	495
39.00	7032	74.00	91080	115.00	623	148.00	1600
41.00	47	75.00	287104	116.00	2002	149.00	467
43.00	279	76.00	25000	117.00	3552	150.00	561
44.00	1637	77.00	3490	118.00	1973	152.00	339
45.00	3691	78.00	2258	119.00	2950	153.00	611
46.00	329	79.00	11496	120.00	167	154.00	544
47.00	5763	80.00	3552	123.00	216	155.00	1815
48.00	2368	81.00	12579	124.00	347	156.00	208
49.00	17200	82.00	2516	125.00	179	157.00	1169
50.00	91296	83.00	390	126.00	269	158.00	53
51.00	28344	86.00	483	127.00	316	159.00	803
52.00	1364	87.00	26480	128.00	2289	161.00	809
55.00	1083	88.00	25592	129.00	1204	172.00	238
56.00	6516	91.00	1791	130.00	2287	173.00	3100
57.00	12292	92.00	16132	131.00	951	174.00	725312
58.00	553	93.00	24672	132.00	117	175.00	51176
60.00	4011	94.00	71520	134.00	153	176.00	715648
61.00	21640	95.00	677824	135.00	1177	177.00	47576
62.00	21760	96.00	46592	136.00	224	178.00	1420
63.00	17168	97.00	1579	137.00	933	193.00	80
64.00	1456	103.00	324	139.00	189	207.00	332
65.00	195	104.00	2423	140.00	486	209.00	22
67.00	1285	105.00	771	141.00	5861	219.00	129
68.00	55640	106.00	2199	142.00	608	232.00	65
69.00	54856	107.00	550	143.00	6029	253.00	41
70.00	4324	110.00	279	144.00	325	260.00	132

TestAmerica Burlington
Target Compound Quantitation Report

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140806-8889.b\8889_001.d				
Lims ID:	BFB				
Client ID:					
Sample Type:	BFB				
Inject. Date:	06-Aug-2014 11:25:30	ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	0.0 mL	Dil. Factor:	1.0000		
Sample Info:	200-0008889-001				
Misc. Info.:	BFB				
Operator ID:	BPL	Instrument ID:	CHW.i		
Method:	\\BTV-LIMS1\ChromData\CHW.i\20140806-8889.b\TO15_LLNJ_TO3_W_(v1).m				
Limit Group:	AI_TO15_ICAL				
Last Update:	07-Aug-2014 09:53:44	Calib Date:	15-Jun-2014 00:33:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\BTV-LIMS1\ChromData\CHW.i\20140613-8058.b\8058_017.d				
Column 1 :	RTX-624 (0.32 mm)		Det: MS SCAN		
Process Host:	XAWRK003				

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
13 BFB									
* 43 Chlorobromomethane	128		12.844					0	
* 54 1,4-Difluorobenzene	114		14.727					0	
* 76 Chlorobenzene-d5	117		20.425					0	
$ 87 4-Bromofluorobenzene	95		22.426					ND	

QC Flag Legend

Processing Flags
ND - Not Detected or Marked ND

Reagents:

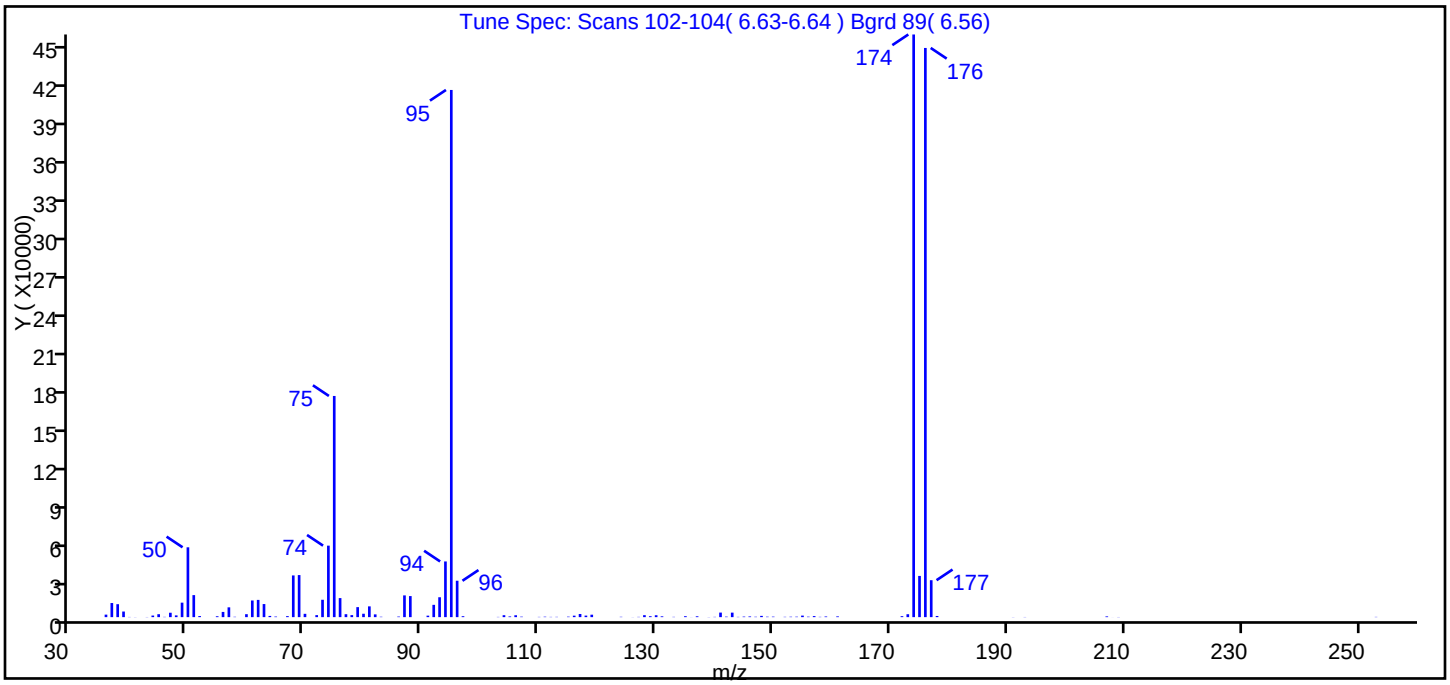
ATTO15WISs_00003 Amount Added: 20.00 Units: mL Run Reagent

MS Tune Report

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140806-8889.b\8889_001.d
Injection Date: 06-Aug-2014 11:25:30 Instrument ID: CHW.i
Lims ID: BFB
Client ID:
Operator ID: BPL ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 0.0 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	13.20
75	30.00 - 66.00% of mass 95	42.00
96	5.00 - 9.00% of mass 95	6.90
173	Less than 2.00% of mass 174	0.60 (0.50)
174	50.00 - 120.00% of mass 95	110.50
175	4.00 - 9.00% of mass 174	7.80 (7.10)
176	93.00 - 101.00% of mass 174	108.00 (97.70)
177	5.00 - 9.00% of mass 176	7.00 (6.50)

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140806-8889.b\8889_001.d\TO15_LLNJ_TO3_W_(v1).rslt\spectra.d
Injection Date: 06-Aug-2014 11:25:30
Spectrum: Tune Spec: Scans 102-104(6.63-6.64) Bgrd 89(6.56)
Base Peak: 174.00
Minimum % Base Peak: 0
Number of Points: 111

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1957	69.00	32752	107.00	372	146.00	547
37.00	10993	70.00	2588	110.00	196	147.00	303
38.00	10086	72.00	1568	111.00	348	148.00	988
39.00	4374	73.00	13537	112.00	194	149.00	343
40.00	150	74.00	55672	113.00	225	150.00	384
41.00	84	75.00	172224	115.00	379	152.00	246
43.00	119	76.00	14835	116.00	1155	153.00	329
44.00	1237	77.00	2288	117.00	2453	154.00	358
45.00	2287	78.00	1564	118.00	1203	155.00	1198
46.00	212	79.00	7795	119.00	1909	156.00	363
47.00	3431	80.00	2653	124.00	267	157.00	817
48.00	1369	81.00	8396	126.00	64	158.00	231
49.00	11282	82.00	2156	127.00	207	159.00	513
50.00	54384	83.00	303	128.00	1529	161.00	585
51.00	17152	86.00	448	129.00	711	172.00	746
52.00	836	87.00	16936	130.00	1474	173.00	2271
55.00	695	88.00	16400	131.00	624	174.00	453696
56.00	4060	91.00	1153	133.00	217	175.00	32096
57.00	7638	92.00	9583	135.00	727	176.00	443200
58.00	276	93.00	15495	136.00	51	177.00	28768
60.00	2306	94.00	43368	137.00	658	178.00	900
61.00	12974	95.00	410496	139.00	101	191.00	88
62.00	13427	96.00	28344	140.00	213	193.00	125
63.00	10190	97.00	721	141.00	3547	207.00	584
64.00	946	103.00	182	142.00	389	208.00	28
65.00	446	104.00	1508	143.00	3512	209.00	121
67.00	793	105.00	539	144.00	208	253.00	200
68.00	32480	106.00	1462	145.00	428		

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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-75167/4

Matrix: Air Lab File ID: 8660_004.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 07/22/2014 12:28

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.: 75167 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.: 280-58004-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-75167/4

Matrix: Air Lab File ID: 8660_004.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 07/22/2014 12:28

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.: 75167 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.: 280-58004-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-75167/4

Matrix: Air Lab File ID: 8660_004.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 07/22/2014 12:28

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.: 75167 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.: 280-58004-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-75167/4

Matrix: Air Lab File ID: 8660_004.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 07/22/2014 12:28

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.: 75167 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.: 280-58004-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-75167/4

Matrix: Air Lab File ID: 8660_004.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 07/22/2014 12:28

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.: 75167 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.: 280-58004-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-75167/4

Matrix: Air Lab File ID: 8660_004.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 07/22/2014 12:28

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.: 75167 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\CHG.i\20140722-8660.b\8660_004.D
Lims ID: mb
Client ID:
Sample Type: MB
Inject. Date: 22-Jul-2014 12:28:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0008660-004
Misc. Info.: mb
Operator ID: pad Instrument ID: CHG.i

Method: \\BTV-LIMS1\ChromData\CHG.i\20140722-8660.b\TO15_LLNJ_TO3_G.m
Limit Group: AI_TO15_ICAL
Last Update: 23-Jul-2014 12:23:50 Calib Date: 02-Jul-2014 22:50:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHG.i\20140702-8394.b\8394_010.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK023

First Level Reviewer: daiglep Date: 23-Jul-2014 10:35:53

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		2.758					ND	
2 Dichlorodifluoromethane	85		2.827					ND	
6 Chlorodifluoromethane	51		2.886					ND	
7 1,2-Dichloro-1,1,2,2-tetra	85		3.105					ND	
8 Chloromethane	50		3.244					ND	
9 Butane	43		3.448					ND	
10 Vinyl chloride	62		3.496					ND	
11 Butadiene	54		3.576					ND	
12 Bromomethane	94		4.293					ND	
14 Chloroethane	64		4.550					ND	
15 2-Methylbutane	43		4.625					ND	
16 Vinyl bromide	106		4.962					ND	
17 Trichlorofluoromethane	101		5.074					ND	
18 Pentane	43		5.224					ND	
19 Ethanol	45		5.721					ND	
21 Ethyl ether	59		5.796					ND	
22 Acrolein	56		6.203					ND	
23 1,1,2-Trichloro-1,2,2-trif	101		6.230					ND	
24 1,1-Dichloroethene	96		6.262					ND	
25 Acetone	43		6.540					ND	
26 Carbon disulfide	76		6.647					ND	
27 Isopropyl alcohol	45		6.866					ND	
29 3-Chloro-1-propene	41		7.107					ND	
30 Acetonitrile	41		7.273					ND	
31 Methylene Chloride	49		7.423					ND	
32 2-Methyl-2-propanol	59		7.679					ND	
33 Methyl tert-butyl ether	73		7.840					ND	
34 trans-1,2-Dichloroethene	61		7.872					ND	
35 Acrylonitrile	53		8.059					ND	
36 Hexane	57		8.273					ND	
37 1,1-Dichloroethane	63		8.787					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
38 Vinyl acetate	43		8.888					ND	
39 cis-1,2-Dichloroethene	96		9.937					ND	
40 2-Butanone (MEK)	72		10.006					ND	
42 Ethyl acetate	88		10.055					ND	
S 41 1,2-Dichloroethene, Total	61		10.200					0	
44 Tetrahydrofuran	42		10.397					ND	
* 43 Chlorobromomethane	128	10.402	10.408	-0.006	67	687568	10.0	10.0	
45 Chloroform	83		10.557					ND	
46 Cyclohexane	84		10.771					ND	
47 1,1,1-Trichloroethane	97		10.814					ND	
48 Carbon tetrachloride	117		11.060					ND	
51 Isooctane	57		11.515					ND	
50 Benzene	78	11.542	11.547	-0.005	1	1073		0.006186	
52 1,2-Dichloroethane	62		11.745					ND	
53 n-Heptane	43		11.922					ND	
* 54 1,4-Difluorobenzene	114	12.414	12.419	-0.005	91	3922698	10.0	10.0	
55 n-Butanol	56		12.836					ND	
56 Trichloroethene	95		12.869					ND	
A 57 GRO	1	13.058	(4.615-21.502)		0	907570		0	
58 1,2-Dichloropropane	63		13.446					ND	
59 Methyl methacrylate	69		13.634					ND	
60 1,4-Dioxane	88		13.676					ND	
61 Dibromomethane	174		13.703					ND	
62 Dichlorobromomethane	83		14.019					ND	
A 63 TVOC as Toluene	1	14.762	(2.748-26.777)		0	989501		0	
64 cis-1,3-Dichloropropene	75		15.003					ND	
65 4-Methyl-2-pentanone (MIBK	43		15.313					ND	
66 Toluene	92	15.602	15.608	-0.006	20	503		0.002259	
A 67 Toluene Range	1	15.608	(15.568-15.648)		0	5577		NC	
69 n-Octane	43	15.666	15.677	-0.011	1	813		0.006521	
A 68 C8 Range	1	15.696	(15.627-15.727)		0	3010		NC	
70 trans-1,3-Dichloropropene	75		16.244					ND	
71 1,1,2-Trichloroethane	83		16.629					ND	
72 Tetrachloroethene	166		16.715					ND	
73 2-Hexanone	43		17.100					ND	
74 Chlorodibromomethane	129		17.400					ND	
75 Ethylene Dibromide	107		17.678					ND	
* 76 Chlorobenzene-d5	117	18.587	18.587	0.000	81	4865277	10.0	10.0	
77 Chlorobenzene	112		18.652					ND	
78 Ethylbenzene	91	18.817	18.812	0.005	1	976		0.002098	
79 n-Nonane	57		18.940					ND	
80 m-Xylene & p-Xylene	106	19.058	19.064	-0.006	37	541		0.002663	
83 o-Xylene	106		19.914					ND	
84 Styrene	104		19.968					ND	
S 82 Xylenes, Total	106				0			0.002663	
85 Bromoform	173		20.390					ND	
86 Isopropylbenzene	105		20.599					ND	
* 87 4-Bromofluorobenzene	95	20.963	20.963	0.000	98	2830983	10.0	10.0	
88 1,1,2,2-Tetrachloroethane	83		21.252					ND	
90 N-Propylbenzene	91		21.321					ND	
89 1,2,3-Trichloropropane	75		21.353					ND	
93 n-Decane	57		21.492					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
91 4-Ethyltoluene	105		21.508					ND	
92 2-Chlorotoluene	91		21.514					ND	
94 1,3,5-Trimethylbenzene	105		21.615					ND	
95 Alpha Methyl Styrene	118		21.979					ND	
96 tert-Butylbenzene	119		22.102					ND	
97 1,2,4-Trimethylbenzene	105		22.193					ND	
98 sec-Butylbenzene	105		22.423					ND	
99 4-Isopropyltoluene	119		22.621					ND	
100 1,3-Dichlorobenzene	146		22.648					ND	
101 1,4-Dichlorobenzene	146		22.782					ND	
102 Benzyl chloride	91		22.985					ND	
103 n-Butylbenzene	91		23.188					ND	
104 Undecane	57		23.215					ND	
105 1,2-Dichlorobenzene	146		23.317					ND	
106 Dodecane	57		24.788					ND	
107 1,2,4-Trichlorobenzene	180		25.804					ND	
108 Hexachlorobutadiene	225		25.986					ND	
109 Naphthalene	128		26.296					ND	
110 1,2,3-Trichlorobenzene	180		26.767					ND	

QC Flag Legend

Processing Flags
NC - Not Calibrated
ND - Not Detected or Marked ND

Reagents:

ATTO15GIS_00009 Amount Added: 20.00 Units: mL Run Reagent

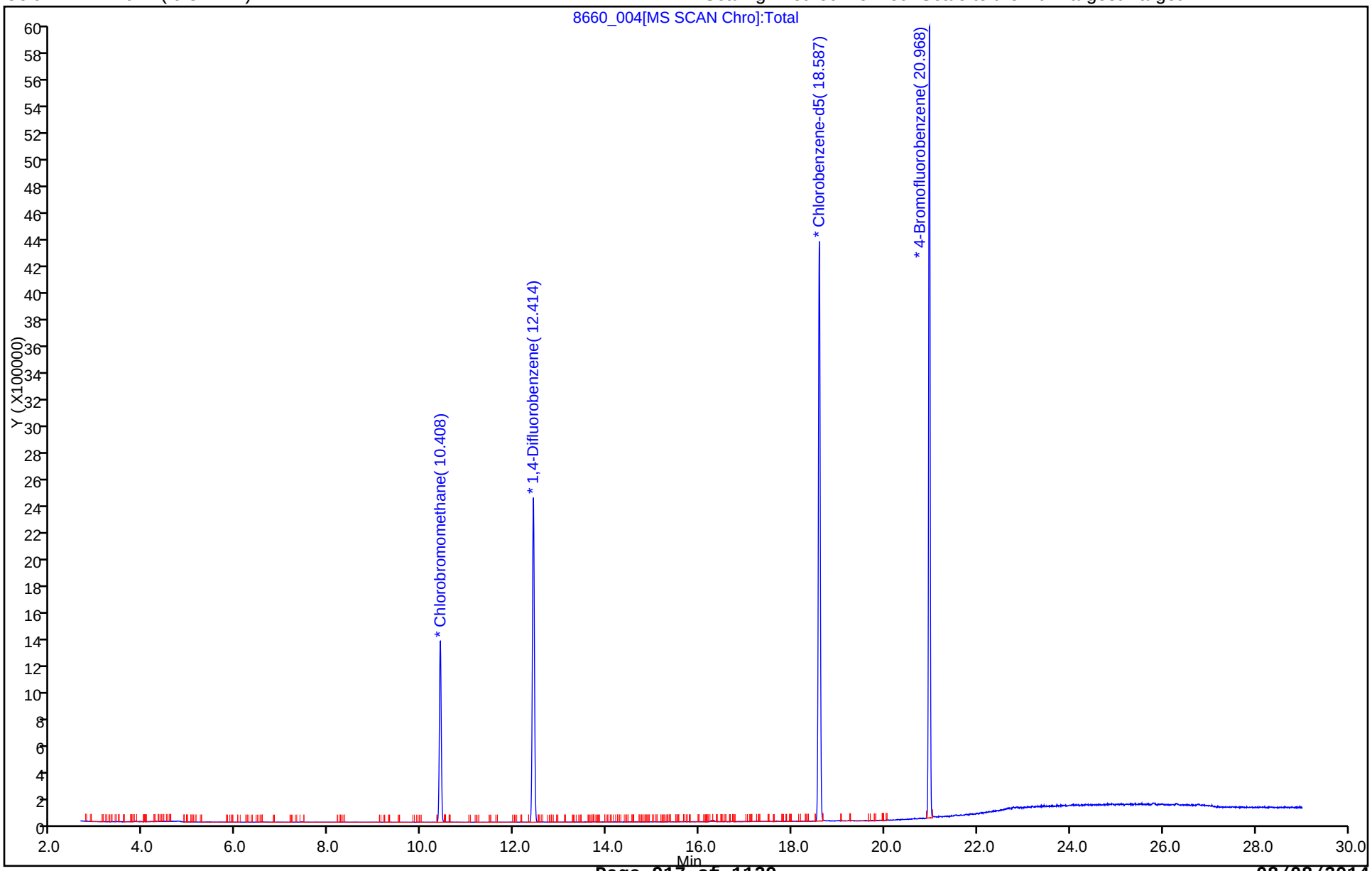
Report Date: 23-Jul-2014 12:23:52 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140722-8660.b\8660_004.D

Injection Date:	22-Jul-2014 12:28:30	Instrument ID:	CHG.i	Operator ID:	pad
Lims ID:	mb			Worklist Smp#:	4
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
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 I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-75211/4

Matrix: Air Lab File ID: 8677_004.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 07/23/2014 11:15

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75211 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.: 280-58004-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-75211/4

Matrix: Air Lab File ID: 8677_004.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 07/23/2014 11:15

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75211 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.: 280-58004-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-75211/4

Matrix: Air Lab File ID: 8677_004.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 07/23/2014 11:15

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75211 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.: 280-58004-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-75211/4

Matrix: Air Lab File ID: 8677_004.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 07/23/2014 11:15

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75211 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.: 280-58004-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-75211/4

Matrix: Air Lab File ID: 8677_004.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 07/23/2014 11:15

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75211 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.: 280-58004-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-75211/4

Matrix: Air Lab File ID: 8677_004.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 07/23/2014 11:15

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75211 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\CHC.i\20140723-8677.b\8677_004.D
Lims ID: mb
Client ID:
Sample Type: MB
Inject. Date: 23-Jul-2014 11:15:30 ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0008677-009
Misc. Info.: mb
Operator ID: bpl Instrument ID: CHC.i

Method: \\BTV-LIMS1\ChromData\CHC.i\20140723-8677.b\TO15_LLNJ_TO3_CHC.m
Limit Group: AI_TO15_ICAL
Last Update: 24-Jul-2014 10:20:24 Calib Date: 18-Jul-2014 09:36:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\8605_018.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK034

First Level Reviewer: lyonsb Date: 24-Jul-2014 09:06:09

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		3.004					ND	
2 Dichlorodifluoromethane	85		3.079					ND	
6 Chlorodifluoromethane	51		3.132					ND	
3 Difluoroethane TIC	51		3.150					ND	
4 Chlorotrifluoroethene TIC	116		3.162					ND	
5 Freon 115 TIC	85		3.180					ND	
7 1,2-Dichloro-1,1,2,2-tetra	85		3.351					ND	
8 Chloromethane	50		3.495					ND	
9 Butane	43		3.698					ND	
10 Vinyl chloride	62		3.746					ND	
11 Butadiene	54		3.832					ND	
12 Bromomethane	94		4.536					ND	
13 Chloroethane	64		4.792					ND	
14 2-Methylbutane	43		4.862					ND	
15 Vinyl bromide	106		5.192					ND	
16 Trichlorofluoromethane	101		5.294					ND	
17 Pentane	43		5.443					ND	
19 Ethanol	45		5.950					ND	
20 1,1,1-Trifluoro-2,2-dichlo	83		6.000					ND	
21 Ethyl ether	59		6.004					ND	
22 Acrolein	56		6.409					ND	
23 1,1,2-Trichloro-1,2,2-trif	101		6.425					ND	
24 1,1-Dichloroethene	96		6.463					ND	
25 Acetone	43		6.740					ND	
26 Carbon disulfide	76		6.842					ND	
27 Isopropyl alcohol	45		7.071					ND	
28 Methyl Acetate TIC	43		7.200					ND	
29 3-Chloro-1-propene	41		7.285					ND	
30 Acetonitrile	41		7.445					ND	
31 Methylene Chloride	49		7.589					ND	
32 2-Methyl-2-propanol	59		7.861					ND	

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		8.005					ND	
34 trans-1,2-Dichloroethene	61		8.037					ND	
35 Acrylonitrile	53		8.219					ND	
36 Hexane	57		8.427					ND	
37 1,1-Dichloroethane	63		8.934					ND	
38 Vinyl acetate	43		9.035					ND	
39 cis-1,2-Dichloroethene	96		10.081					ND	
40 2-Butanone (MEK)	72		10.156					ND	
42 Ethyl acetate	88		10.199					ND	
S 41 1,2-Dichloroethene, Total	61		10.200					0	
* 43 Chlorobromomethane	128	10.551	10.551	0.000	81	117946	10.0	10.0	
44 Tetrahydrofuran	42		10.567					ND	
45 Chloroform	83		10.695					ND	
46 Cyclohexane	84		10.919					ND	
47 1,1,1-Trichloroethane	97		10.956					ND	
48 Carbon tetrachloride	117		11.207					ND	
49 Methyl cyclohexane TIC	55		11.500					ND	
51 Isooctane	57		11.655					ND	
50 Benzene	78		11.693					ND	
52 1,2-Dichloroethane	62		11.896					ND	
53 n-Heptane	43		12.061					ND	
* 54 1,4-Difluorobenzene	114	12.563	12.568	-0.005	96	723978	10.0	10.0	
55 n-Butanol	56		13.016					ND	
56 Trichloroethene	95		13.032					ND	
A 57 GRO	1	13.168	(4.852-21.485)		0	40951		0	
58 1,2-Dichloropropane	63		13.614					ND	
59 Methyl methacrylate	69		13.801					ND	
60 1,4-Dioxane	88		13.860					ND	
61 Dibromomethane	174		13.876					ND	
62 Dichlorobromomethane	83		14.180					ND	
A 63 TVOC as Toluene	1	14.882	(2.994-26.769)		0	210263		5.13	
64 cis-1,3-Dichloropropene	75		15.130					ND	
65 4-Methyl-2-pentanone (MIBK	43		15.434					ND	
A 67 Toluene Range	1	15.712	(15.672-15.752)		0	1180		NC	
66 Toluene	92		15.712					ND	
68 n-Octane	43		15.770					ND	
A 69 C8 Range	1		(16.255-16.235)					ND	
70 trans-1,3-Dichloropropene	75		16.331					ND	
71 1,1,2-Trichloroethane	83		16.704					ND	
72 Tetrachloroethene	166		16.790					ND	
73 2-Hexanone	43		17.163					ND	
74 Chlorodibromomethane	129		17.462					ND	
75 Ethylene Dibromide	107		17.729					ND	
* 76 Chlorobenzene-d5	117	18.620	18.620	0.000	90	708230	10.0	10.0	
80 1,2-Dibromo-3-Chloropropan	75	18.625	18.652	-0.027	33	12574		NC	
77 Chlorobenzene	112		18.684					ND	
78 Ethylbenzene	91		18.834					ND	
79 n-Nonane	57		18.956					ND	
81 m-Xylene & p-Xylene	106		19.084					ND	
83 o-Xylene	106		19.922					ND	
84 Styrene	104		19.976					ND	
S 82 Xylenes, Total	106		20.100					0	

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		20.392					ND	
86 Isopropylbenzene	105		20.595					ND	
$ 87 4-Bromofluorobenzene	95	20.958	20.963	-0.005	93	399031	NC	NC	
88 1,1,2,2-Tetrachloroethane	83		21.251					ND	
90 N-Propylbenzene	91		21.310					ND	
89 1,2,3-Trichloropropane	75		21.342					ND	
93 n-Decane	57		21.475					ND	
91 4-Ethyltoluene	105		21.497					ND	
92 2-Chlorotoluene	91		21.502					ND	
94 1,3,5-Trimethylbenzene	105		21.603					ND	
95 Alpha Methyl Styrene	118		21.966					ND	
96 tert-Butylbenzene	119		22.084					ND	
97 1,2,4-Trimethylbenzene	105		22.180					ND	
98 sec-Butylbenzene	105		22.404					ND	
99 4-Isopropyltoluene	119		22.607					ND	
100 1,3-Dichlorobenzene	146		22.633					ND	
101 1,4-Dichlorobenzene	146		22.772					ND	
102 Benzyl chloride	91		22.970					ND	
103 n-Butylbenzene	91		23.173					ND	
104 Undecane	57		23.194					ND	
105 1,2-Dichlorobenzene	146		23.301					ND	
106 Dodecane	57		24.774					ND	
107 1,2,4-Trichlorobenzene	180	25.793	25.798	-0.005	1	727		0.0235	
108 Hexachlorobutadiene	225		25.980					ND	
109 Naphthalene	128		26.289					ND	
110 1,2,3-Trichlorobenzene	180		26.759					ND	
111 Total Alkanes	1		0.000					ND	

QC Flag Legend

Processing Flags
NC - Not Calibrated
ND - Not Detected or Marked ND

Reagents:

ATTO15CISs_00006 Amount Added: 20.00 Units: mL Run Reagent

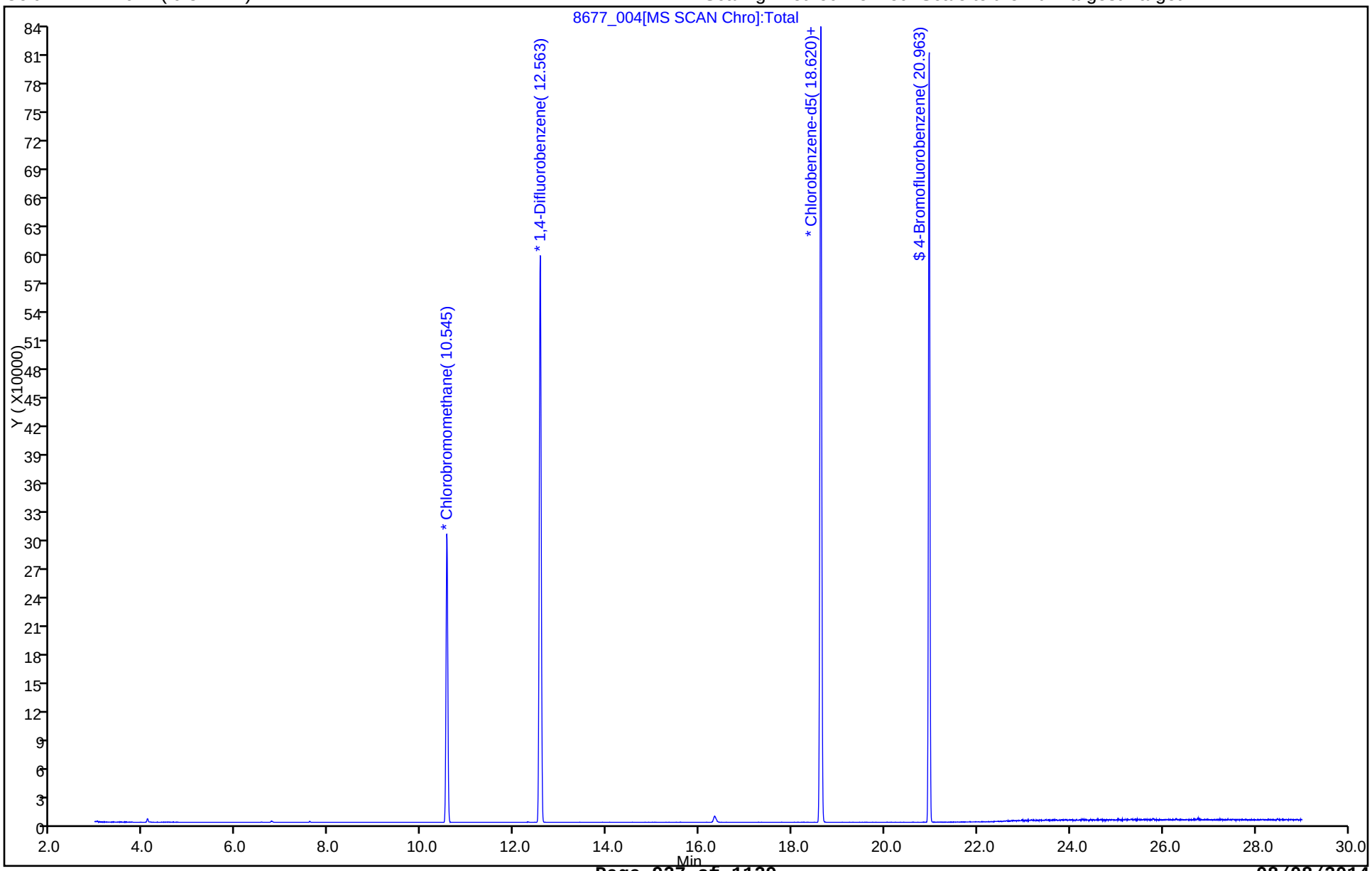
Report Date: 24-Jul-2014 10:20:25 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140723-8677.b\8677_004.D

Injection Date:	23-Jul-2014 11:15:30	Instrument ID:	CHC.i	Operator ID:	bpl
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 I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-75599/5

Matrix: Air Lab File ID: 8834_005.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 08/04/2014 12:18

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.: 75599 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.: 280-58004-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 200-75599/5

Matrix: Air | Lab File ID: 8834_005.D

Analysis Method: TO-15 | Date Collected:

Sample wt/vol: 200(mL) | Date Analyzed: 08/04/2014 12:18

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.: 75599 | 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.: 280-58004-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-75599/5

Matrix: Air Lab File ID: 8834_005.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 08/04/2014 12:18

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.: 75599 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.: 280-58004-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-75599/5

Matrix: Air Lab File ID: 8834_005.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 08/04/2014 12:18

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.: 75599 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.: 280-58004-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-75599/5

Matrix: Air Lab File ID: 8834_005.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 08/04/2014 12:18

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.: 75599 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.: 280-58004-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-75599/5

Matrix: Air Lab File ID: 8834_005.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 08/04/2014 12:18

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.: 75599 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\CHC.i\20140804-8834.b\8834_005.D
Lims ID: mb
Client ID:
Sample Type: MB
Inject. Date: 04-Aug-2014 12:18:30 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0008834-005
Misc. Info.: mb
Operator ID: wrd Instrument ID: CHC.i

Method: \\BTV-LIMS1\ChromData\CHC.i\20140804-8834.b\TO15_LLNJ_TO3_CHC.m
Limit Group: AI_TO15_ICAL
Last Update: 04-Aug-2014 13:41:25 Calib Date: 18-Jul-2014 09:36:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\8605_018.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK036

First Level Reviewer: desjardinsb Date: 04-Aug-2014 13:41:25

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		3.004					ND	
5 Freon 115 TIC	85		3.074					ND	
2 Dichlorodifluoromethane	85		3.074					ND	
3 Difluoroethane TIC	51		3.132					ND	
6 Chlorodifluoromethane	51		3.132					ND	
4 Chlorotrifluoroethene TIC	116		3.346					ND	
7 1,2-Dichloro-1,1,2,2-tetra	85		3.351					ND	
8 Chloromethane	50		3.490					ND	
9 Butane	43		3.698					ND	
10 Vinyl chloride	62		3.746					ND	
11 Butadiene	54		3.826					ND	
12 Bromomethane	94		4.536					ND	
13 Chloroethane	64		4.787					ND	
14 2-Methylbutane	43		4.851					ND	
15 Vinyl bromide	106		5.187					ND	
16 Trichlorofluoromethane	101		5.294					ND	
17 Pentane	43		5.443					ND	
19 Ethanol	45		5.950					ND	
21 Ethyl ether	59		5.998					ND	
20 1,1,1-Trifluoro-2,2-dichlo	83		6.000					ND	
22 Acrolein	56		6.404					ND	
23 1,1,2-Trichloro-1,2,2-trif	101		6.415					ND	
24 1,1-Dichloroethene	96		6.452					ND	
25 Acetone	43		6.735					0	
26 Carbon disulfide	76		6.836					ND	
27 Isopropyl alcohol	45		7.066					ND	
28 Methyl Acetate TIC	43		7.071					ND	
29 3-Chloro-1-propene	41		7.279					ND	
30 Acetonitrile	41		7.445					ND	
31 Methylene Chloride	49		7.589					0	
32 2-Methyl-2-propanol	59		7.856					ND	

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		8.000					ND	
34 trans-1,2-Dichloroethene	61		8.026					ND	
35 Acrylonitrile	53		8.219					ND	
36 Hexane	57		8.416					ND	
37 1,1-Dichloroethane	63		8.928					ND	
38 Vinyl acetate	43		9.030					ND	
39 cis-1,2-Dichloroethene	96		10.076					ND	
40 2-Butanone (MEK)	72		10.145					ND	
42 Ethyl acetate	88		10.188					ND	
S 41 1,2-Dichloroethene, Total	61		10.200					0	
* 43 Chlorobromomethane	128	10.545	10.545	0.000	87	99057	10.0	10.0	
44 Tetrahydrofuran	42		10.561					ND	
45 Chloroform	83		10.690					ND	
46 Cyclohexane	84		10.914					ND	
47 1,1,1-Trichloroethane	97		10.951					ND	
48 Carbon tetrachloride	117		11.197					ND	
49 Methyl cyclohexane TIC	55		11.650					ND	
51 Isooctane	57		11.650					ND	
50 Benzene	78		11.688					ND	
52 1,2-Dichloroethane	62		11.890					ND	
53 n-Heptane	43		12.050					ND	
* 54 1,4-Difluorobenzene	114	12.557	12.557	0.000	96	615108	10.0	10.0	
55 n-Butanol	56		13.000					ND	
56 Trichloroethene	95		13.022					ND	
A 57 GRO	1	13.160	(4.841-21.480)		0	30487		0	
58 1,2-Dichloropropane	63		13.603					ND	
59 Methyl methacrylate	69		13.790					ND	
60 1,4-Dioxane	88		13.854					ND	
61 Dibromomethane	174		13.865					ND	
62 Dichlorobromomethane	83		14.175					ND	
A 63 TVOC as Toluene	1	14.879	(2.994-26.764)		0	225607		6.48	
64 cis-1,3-Dichloropropene	75		15.119					ND	
65 4-Methyl-2-pentanone (MIBK	43		15.429					ND	
A 67 Toluene Range	1		(15.666-15.746)					ND	
66 Toluene	92		15.706					ND	
68 n-Octane	43		15.765					ND	
A 69 C8 Range	1		(15.764-12.633)					ND	
70 trans-1,3-Dichloropropene	75		16.325					ND	
71 1,1,2-Trichloroethane	83		16.699					ND	
72 Tetrachloroethene	166		16.784					ND	
73 2-Hexanone	43		17.158					ND	
74 Chlorodibromomethane	129		17.457					ND	
75 Ethylene Dibromide	107		17.724					ND	
* 76 Chlorobenzene-d5	117	18.615	18.615	0.000	92	613739	10.0	10.0	
80 1,2-Dibromo-3-Chloropropan	75	18.620	18.615	0.005	35	11876		NC	
77 Chlorobenzene	112		18.674					ND	
78 Ethylbenzene	91		18.828					ND	
79 n-Nonane	57		18.946					ND	
81 m-Xylene & p-Xylene	106		19.079					ND	
83 o-Xylene	106		19.912					ND	
84 Styrene	104		19.970					ND	
S 82 Xylenes, Total	106		20.100					0	

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		20.387					ND	
86 Isopropylbenzene	105		20.589					ND	
$ 87 4-Bromofluorobenzene	95	20.952	20.958	-0.006	82	390937	NC	NC	
88 1,1,2,2-Tetrachloroethane	83		21.246					ND	
90 N-Propylbenzene	91		21.299					ND	
89 1,2,3-Trichloropropane	75		21.337					ND	
93 n-Decane	57		21.470					ND	
91 4-Ethyltoluene	105		21.491					ND	
92 2-Chlorotoluene	91		21.497					ND	
94 1,3,5-Trimethylbenzene	105		21.598					ND	
95 Alpha Methyl Styrene	118		21.961					ND	
96 tert-Butylbenzene	119		22.078					ND	
97 1,2,4-Trimethylbenzene	105		22.175					ND	
98 sec-Butylbenzene	105		22.399					ND	
99 4-Isopropyltoluene	119		22.601					ND	
100 1,3-Dichlorobenzene	146		22.628					ND	
101 1,4-Dichlorobenzene	146		22.767					ND	
102 Benzyl chloride	91		22.964					0	
103 n-Butylbenzene	91		23.167					0	
104 Undecane	57		23.189					ND	
105 1,2-Dichlorobenzene	146		23.295					ND	
106 Dodecane	57		24.768					ND	
107 1,2,4-Trichlorobenzene	180	25.793	25.793	0.000	1	629		0.0235	
108 Hexachlorobutadiene	225		25.974					ND	
109 Naphthalene	128		26.279					0	
110 1,2,3-Trichlorobenzene	180		26.754					0	
111 Total Alkanes	1		0.000					ND	

QC Flag Legend

Processing Flags
NC - Not Calibrated
ND - Not Detected or Marked ND

Reagents:

ATTO15CISs_00006 Amount Added: 20.00 Units: mL Run Reagent

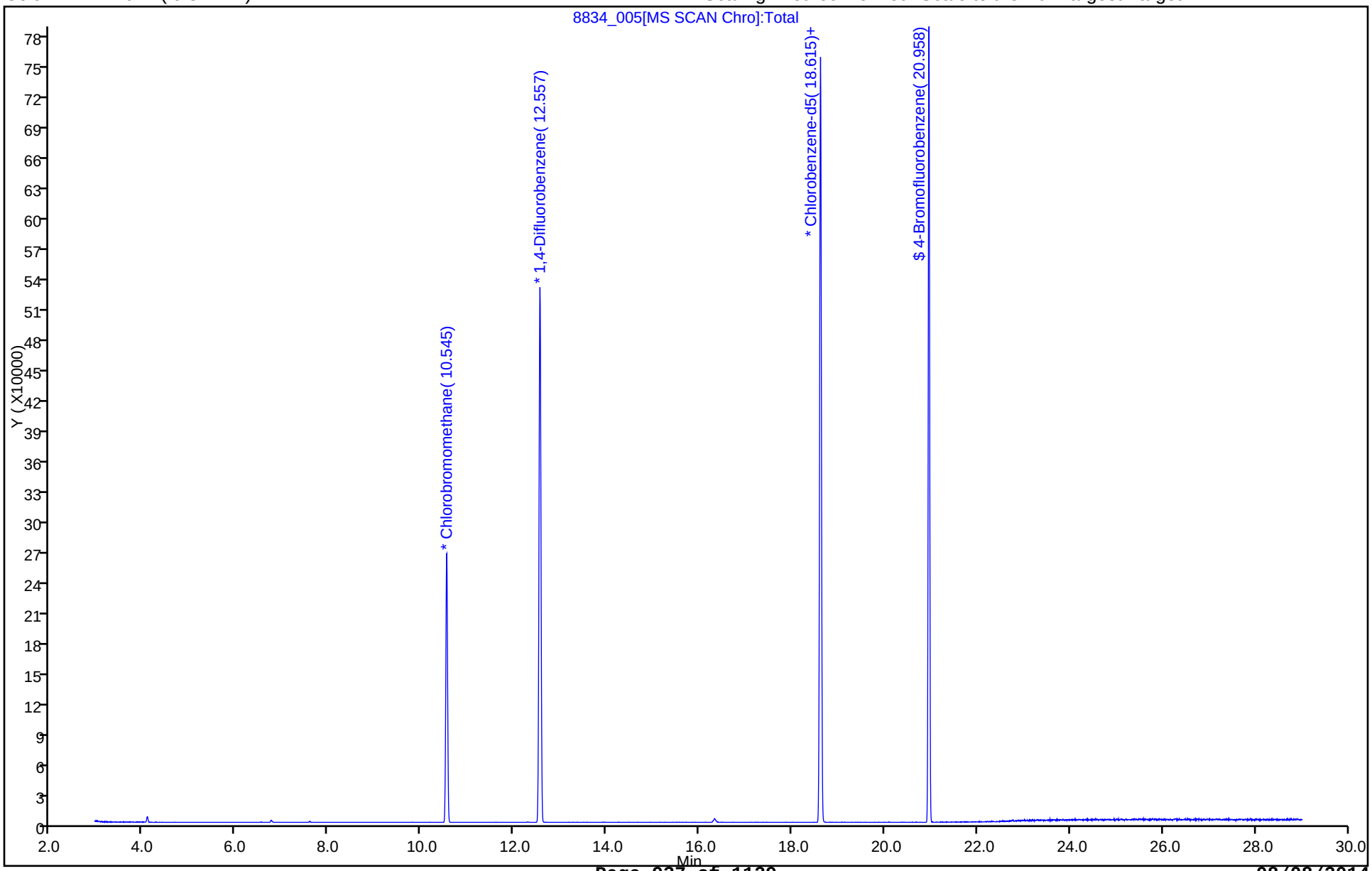
Report Date: 04-Aug-2014 13:41:26 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140804-8834.b\8834_005.D

Injection Date:	04-Aug-2014 12:18:30	Instrument ID:	CHC.i	Operator ID:	wrd
Lims ID:	mb			Worklist Smp#:	5
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 I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-75651/5

Matrix: Air Lab File ID: 8862_005.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 08/05/2014 12:56

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75651 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.: 280-58004-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-75651/5

Matrix: Air Lab File ID: 8862_005.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 08/05/2014 12:56

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75651 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.: 280-58004-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-75651/5

Matrix: Air Lab File ID: 8862_005.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 08/05/2014 12:56

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75651 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.: 280-58004-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-75651/5

Matrix: Air Lab File ID: 8862_005.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 08/05/2014 12:56

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75651 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.: 280-58004-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-75651/5

Matrix: Air Lab File ID: 8862_005.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 08/05/2014 12:56

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75651 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.: 280-58004-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-75651/5

Matrix: Air Lab File ID: 8862_005.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 08/05/2014 12:56

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75651 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\CHC.i\20140805-8862.b\8862_005.D
Lims ID: mb
Client ID:
Sample Type: MB
Inject. Date: 05-Aug-2014 12:56:30 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0008862-005
Misc. Info.: mb
Operator ID: wrd Instrument ID: CHC.i

Method: \\BTV-LIMS1\ChromData\CHC.i\20140805-8862.b\TO15_LLNJ_TO3_CHC.m
Limit Group: AI_TO15_ICAL
Last Update: 05-Aug-2014 16:08:18 Calib Date: 18-Jul-2014 09:36:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\8605_018.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK010

First Level Reviewer: desjardinsb Date: 05-Aug-2014 16:08:18

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		2.999					ND	
2 Dichlorodifluoromethane	85		3.074					ND	
5 Freon 115 TIC	85		3.074					ND	
6 Chlorodifluoromethane	51		3.127					ND	
3 Difluoroethane TIC	51		3.132					ND	
7 1,2-Dichloro-1,1,2,2-tetra	85		3.346					ND	
4 Chlorotrifluoroethene TIC	116		3.346					ND	
8 Chloromethane	50		3.490					0	
9 Butane	43		3.698					ND	
10 Vinyl chloride	62		3.741					ND	
11 Butadiene	54		3.821					ND	
12 Bromomethane	94		4.531					ND	
13 Chloroethane	64		4.782					ND	
14 2-Methylbutane	43		4.851					ND	
15 Vinyl bromide	106		5.187					ND	
16 Trichlorofluoromethane	101		5.289					ND	
17 Pentane	43		5.438					ND	
19 Ethanol	45		5.945					ND	
21 Ethyl ether	59		5.998					ND	
20 1,1,1-Trifluoro-2,2-dichlo	83		6.000					ND	
22 Acrolein	56		6.404					ND	
23 1,1,2-Trichloro-1,2,2-trif	101		6.415					ND	
24 1,1-Dichloroethene	96		6.452					ND	
25 Acetone	43		6.735					0	
26 Carbon disulfide	76		6.836					ND	
27 Isopropyl alcohol	45		7.060					ND	
28 Methyl Acetate TIC	43		7.071					ND	
29 3-Chloro-1-propene	41		7.279					ND	
30 Acetonitrile	41		7.439					ND	
31 Methylene Chloride	49	7.589	7.583	0.006	29	627		0.0723	
32 2-Methyl-2-propanol	59		7.856					ND	

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		8.005					ND	
34 trans-1,2-Dichloroethene	61		8.026					ND	
35 Acrylonitrile	53		8.213					ND	
36 Hexane	57		8.421					ND	
37 1,1-Dichloroethane	63		8.928					ND	
38 Vinyl acetate	43		9.030					ND	
39 cis-1,2-Dichloroethene	96		10.070					ND	
40 2-Butanone (MEK)	72		10.145					ND	
42 Ethyl acetate	88		10.188					ND	
S 41 1,2-Dichloroethene, Total	61		10.200					0	
* 43 Chlorobromomethane	128	10.545	10.545	0.000	85	101817	10.0	10.0	
44 Tetrahydrofuran	42		10.561					ND	
45 Chloroform	83		10.689					ND	
46 Cyclohexane	84		10.908					ND	
47 1,1,1-Trichloroethane	97		10.951					ND	
48 Carbon tetrachloride	117		11.196					ND	
51 Isooctane	57		11.645					ND	
49 Methyl cyclohexane TIC	55		11.650					ND	
50 Benzene	78		11.682					ND	
52 1,2-Dichloroethane	62		11.885					ND	
53 n-Heptane	43		12.050					ND	
* 54 1,4-Difluorobenzene	114	12.557	12.563	-0.006	97	635096	10.0	10.0	
55 n-Butanol	56		13.000					ND	
56 Trichloroethene	95		13.022					ND	
A 57 GRO	1	13.160	(4.841-21.480)		0	39204		0	
58 1,2-Dichloropropane	63		13.603					ND	
59 Methyl methacrylate	69		13.790					ND	
60 1,4-Dioxane	88		13.849					ND	
61 Dibromomethane	174		13.865					ND	
62 Dichlorobromomethane	83		14.169					ND	
A 63 TVOC as Toluene	1	14.876	(2.989-26.764)		0	219601		6.11	
64 cis-1,3-Dichloropropene	75		15.119					ND	
65 4-Methyl-2-pentanone (MIBK	43		15.429					ND	
A 67 Toluene Range	1	15.706	(15.666-15.746)		0	2260		NC	
66 Toluene	92		15.706					ND	
68 n-Octane	43		15.765					ND	
A 69 C8 Range	1		(16.276-16.265)					ND	
70 trans-1,3-Dichloropropene	75		16.320					ND	
71 1,1,2-Trichloroethane	83		16.699					ND	
72 Tetrachloroethene	166		16.779					ND	
73 2-Hexanone	43		17.158					ND	
74 Chlorodibromomethane	129		17.457					ND	
75 Ethylene Dibromide	107		17.724					ND	
* 76 Chlorobenzene-d5	117	18.615	18.615	0.000	92	631452	10.0	10.0	
80 1,2-Dibromo-3-Chloropropan	75	18.609	18.615	-0.006	34	12516		NC	
77 Chlorobenzene	112		18.673					ND	
78 Ethylbenzene	91		18.828					ND	
79 n-Nonane	57		18.951					ND	
81 m-Xylene & p-Xylene	106		19.079					ND	
83 o-Xylene	106		19.917					ND	
84 Styrene	104		19.970					ND	
S 82 Xylenes, Total	106		20.100					0	

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		20.387					ND	
86 Isopropylbenzene	105		20.589					ND	
$ 87 4-Bromofluorobenzene	95	20.958	20.958	0.000	81	400895	NC	NC	
88 1,1,2,2-Tetrachloroethane	83		21.246					ND	
90 N-Propylbenzene	91		21.299					ND	
89 1,2,3-Trichloropropane	75		21.337					ND	
93 n-Decane	57		21.470					ND	
91 4-Ethyltoluene	105		21.491					ND	
92 2-Chlorotoluene	91		21.497					ND	
94 1,3,5-Trimethylbenzene	105		21.593					ND	
95 Alpha Methyl Styrene	118		21.961					ND	
96 tert-Butylbenzene	119		22.078					ND	
97 1,2,4-Trimethylbenzene	105		22.175					ND	
98 sec-Butylbenzene	105		22.399					ND	
99 4-Isopropyltoluene	119		22.601					ND	
100 1,3-Dichlorobenzene	146		22.628					0	
101 1,4-Dichlorobenzene	146		22.762					0	
102 Benzyl chloride	91		22.964					0	
103 n-Butylbenzene	91		23.167					0	
104 Undecane	57		23.189					ND	
105 1,2-Dichlorobenzene	146		23.295					0	
106 Dodecane	57		24.768					0	
107 1,2,4-Trichlorobenzene	180		25.793					0	
108 Hexachlorobutadiene	225		25.974					ND	
109 Naphthalene	128		26.279					0	
110 1,2,3-Trichlorobenzene	180		26.754					ND	
111 Total Alkanes	1		0.000					ND	

QC Flag Legend

Processing Flags
NC - Not Calibrated
ND - Not Detected or Marked ND

Reagents:

ATTO15CISs_00006 Amount Added: 20.00 Units: mL Run Reagent

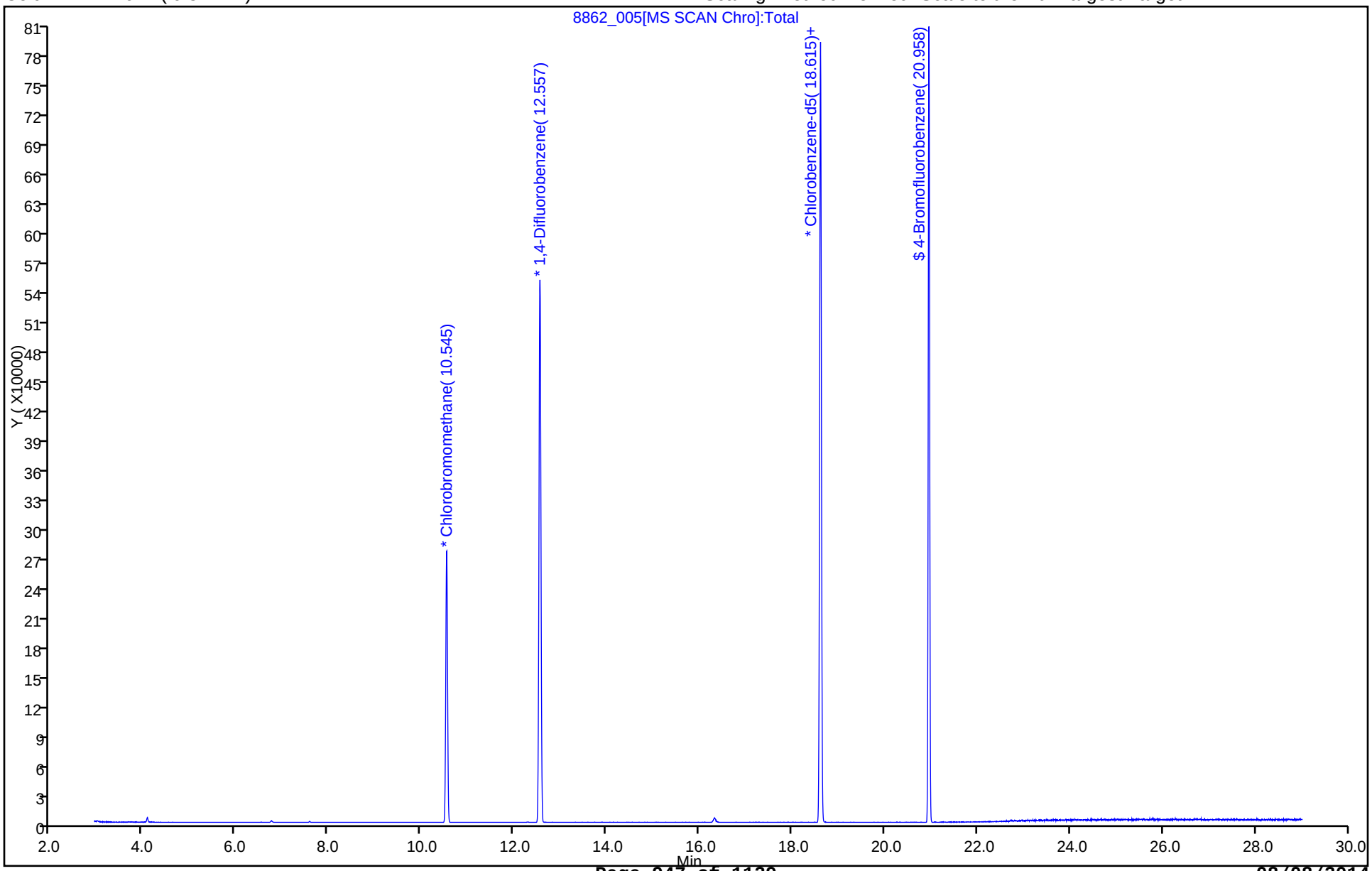
Report Date: 05-Aug-2014 16:08:18 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140805-8862.b\8862_005.D

Injection Date:	05-Aug-2014 12:56:30	Instrument ID:	CHC.i	Operator ID:	wrd
Lims ID:	mb			Worklist Smp#:	5
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 I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-75709/4

Matrix: Air Lab File ID: 8889_004.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 08/06/2014 14:05

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75709 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.: 280-58004-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-75709/4

Matrix: Air Lab File ID: 8889_004.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 08/06/2014 14:05

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75709 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	0.0383	J	0.20	0.014
106-46-7	1,4-Dichlorobenzene	147.00	0.0403	J	0.20	0.014

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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-75709/4

Matrix: Air Lab File ID: 8889_004.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 08/06/2014 14:05

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75709 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	0.0397	J	0.20	0.014
120-82-1	1,2,4-Trichlorobenzene	181.45	0.0685	J	0.50	0.027
87-68-3	Hexachlorobutadiene	260.76	0.0301	J	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.: 280-58004-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-75709/4

Matrix: Air Lab File ID: 8889_004.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 08/06/2014 14:05

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75709 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.: 280-58004-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-75709/4

Matrix: Air Lab File ID: 8889_004.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 08/06/2014 14:05

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75709 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	0.230	J	1.2	0.084
106-46-7	1,4-Dichlorobenzene	147.00	0.242	J	1.2	0.084

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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-75709/4

Matrix: Air Lab File ID: 8889_004.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 08/06/2014 14:05

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75709 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	0.239	J	1.2	0.084
120-82-1	1,2,4-Trichlorobenzene	181.45	0.508	J	3.7	0.20
87-68-3	Hexachlorobutadiene	260.76	0.321	J	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\20140806-8889.b\8889_004.d
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 06-Aug-2014 14:05:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0008889-004
Misc. Info.: MB
Operator ID: BPL Instrument ID: CHW.i

Method: \\BTV-LIMS1\ChromData\CHW.i\20140806-8889.b\TO15_LLNJ_TO3_W_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 07-Aug-2014 09:53:44 Calib Date: 15-Jun-2014 00:33:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20140613-8058.b\8058_017.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK003

First Level Reviewer: lyonsb Date: 06-Aug-2014 16:52:22

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
3 Difluoroethane TIC	51		3.150					ND	
4 Chlorotrifluoroethene TIC	116		3.162					ND	
5 Freon 115 TIC	85		3.180					ND	
1 Propene	41		4.397					ND	
2 Dichlorodifluoromethane	85		4.488					ND	
6 Chlorodifluoromethane	51		4.552					ND	
7 1,2-Dichloro-1,1,2,2-tetra	85		4.841					ND	
8 Chloromethane	50		5.034					0	
9 Butane	43		5.296					ND	
10 Vinyl chloride	62		5.355					ND	
11 Butadiene	54		5.451					ND	
20 1,1,1-Trifluoro-2,2-dichlo	83		6.000					ND	
12 Bromomethane	94		6.318					ND	
14 Chloroethane	64		6.596					ND	
15 2-Methylbutane	43		6.681					ND	
16 Vinyl bromide	106		7.077					ND	
17 Trichlorofluoromethane	101		7.190					ND	
18 Pentane	43		7.355					ND	
28 Methyl Acetate TIC	43		7.366					ND	
19 Ethanol	45		7.799					ND	
21 Ethyl ether	59		7.939					ND	
22 Acrolein	56		8.399					ND	
23 1,1,2-Trichloro-1,2,2-trif	101		8.436					ND	
24 1,1-Dichloroethene	96		8.511					ND	
25 Acetone	43		8.741					ND	
26 Carbon disulfide	76		8.998					ND	
27 Isopropyl alcohol	45		9.025					ND	
29 3-Chloro-1-propene	41		9.399					ND	
30 Acetonitrile	41		9.527					ND	
31 Methylene Chloride	49		9.731					ND	
32 2-Methyl-2-propanol	59		9.897					ND	

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		10.148					ND	
S 41 1,2-Dichloroethene, Total	61		10.200					0	
34 trans-1,2-Dichloroethene	61		10.223					ND	
35 Acrylonitrile	53		10.367					ND	
36 Hexane	57		10.640					ND	
37 1,1-Dichloroethane	63		11.191					ND	
38 Vinyl acetate	43		11.223					ND	
49 Methyl cyclohexane TIC	55		11.500					ND	
39 cis-1,2-Dichloroethene	96		12.363					ND	
40 2-Butanone (MEK)	72		12.373					ND	
42 Ethyl acetate	88		12.395					ND	
44 Tetrahydrofuran	42		12.834					ND	
* 43 Chlorobromomethane	128	12.839	12.844	-0.005	72	445095	10.0	10.0	
45 Chloroform	83		12.957					ND	
46 Cyclohexane	84		13.251					ND	
47 1,1,1-Trichloroethane	97		13.262					ND	
48 Carbon tetrachloride	117		13.518					ND	
51 Isooctane	57		13.909					ND	
50 Benzene	78		13.968					ND	
52 1,2-Dichloroethane	62		14.128					ND	
53 n-Heptane	43		14.257					ND	
* 54 1,4-Difluorobenzene	114	14.722	14.727	-0.005	91	2182689	10.0	10.0	
A 57 GRO	1	14.757	(6.671-22.842)		0	536132		0	
55 n-Butanol	56		15.011					ND	
56 Trichloroethene	95		15.193					ND	
58 1,2-Dichloropropane	63		15.712					ND	
59 Methyl methacrylate	69		15.797					ND	
60 1,4-Dioxane	88		15.883					ND	
61 Dibromomethane	174		15.958					ND	
62 Dichlorobromomethane	83		16.204					ND	
A 63 TVOC as Toluene	92		(4.387-28.855)					0	
64 cis-1,3-Dichloropropene	75		17.065					ND	
65 4-Methyl-2-pentanone (MIBK	43		17.295					ND	
69 n-Octane	43		17.632					ND	
A 68 C8 Range	1	17.646	(17.582-17.682)		0	4573		NC	
A 67 Toluene Range	92		(17.598-17.678)					0	
66 Toluene	92		17.638					ND	
70 trans-1,3-Dichloropropene	75		18.173					ND	
71 1,1,2-Trichloroethane	83		18.536					ND	
72 Tetrachloroethene	166		18.681					ND	
73 2-Hexanone	43		18.922					ND	
81 1,2-Dibromo-3-Chloropropan	75		19.178					ND	
74 Chlorodibromomethane	129		19.296					ND	
75 Ethylene Dibromide	107		19.580					ND	
S 82 Xylenes, Total	106				0			0.0162	
* 76 Chlorobenzene-d5	117	20.425	20.425	0.000	81	1937084	10.0	10.0	
77 Chlorobenzene	112		20.478					ND	
78 Ethylbenzene	91		20.591					ND	
79 n-Nonane	57		20.649					ND	
80 m-Xylene & p-Xylene	106	20.810	20.810	0.000	96	1411		0.0121	
83 o-Xylene	106	21.516	21.521	-0.005	1	496		0.004152	
84 Styrene	104		21.564					ND	

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		21.944					ND	
86 Isopropylbenzene	105		22.089					ND	
$ 87 4-Bromofluorobenzene	95	22.426	22.426	0.000	97	1148178	NC	NC	
88 1,1,2,2-Tetrachloroethane	83		22.650					ND	
90 N-Propylbenzene	91		22.725					ND	
89 1,2,3-Trichloropropane	75		22.752					ND	
93 n-Decane	57		22.832					ND	
91 4-Ethyltoluene	105		22.891					ND	
92 2-Chlorotoluene	91		22.923					ND	
94 1,3,5-Trimethylbenzene	105		22.982					ND	
95 Alpha Methyl Styrene	118		23.335					ND	
96 tert-Butylbenzene	119		23.458					ND	
97 1,2,4-Trimethylbenzene	105		23.549					ND	
98 sec-Butylbenzene	105		23.790					ND	
99 4-Isopropyltoluene	119		23.988					ND	
100 1,3-Dichlorobenzene	146	24.063	24.063	0.000	98	8275		0.0383	
101 1,4-Dichlorobenzene	146	24.202	24.207	-0.005	95	8508		0.0403	
102 Benzyl chloride	91		24.416					ND	
104 Undecane	57		24.603					ND	
103 n-Butylbenzene	91		24.624					ND	
105 1,2-Dichlorobenzene	146	24.812	24.812	0.000	97	8372		0.0397	
106 Dodecane	57		26.395					ND	
107 1,2,4-Trichlorobenzene	180	27.701	27.690	0.011	93	11685		0.0685	
108 Hexachlorobutadiene	225	27.888	27.893	-0.005	94	5361		0.0301	
109 Naphthalene	128		28.278					ND	
110 1,2,3-Trichlorobenzene	180		28.845					ND	

QC Flag Legend

Processing Flags
NC - Not Calibrated
ND - Not Detected or Marked ND

Reagents:

ATTO15WISs_00003 Amount Added: 20.00 Units: mL Run Reagent

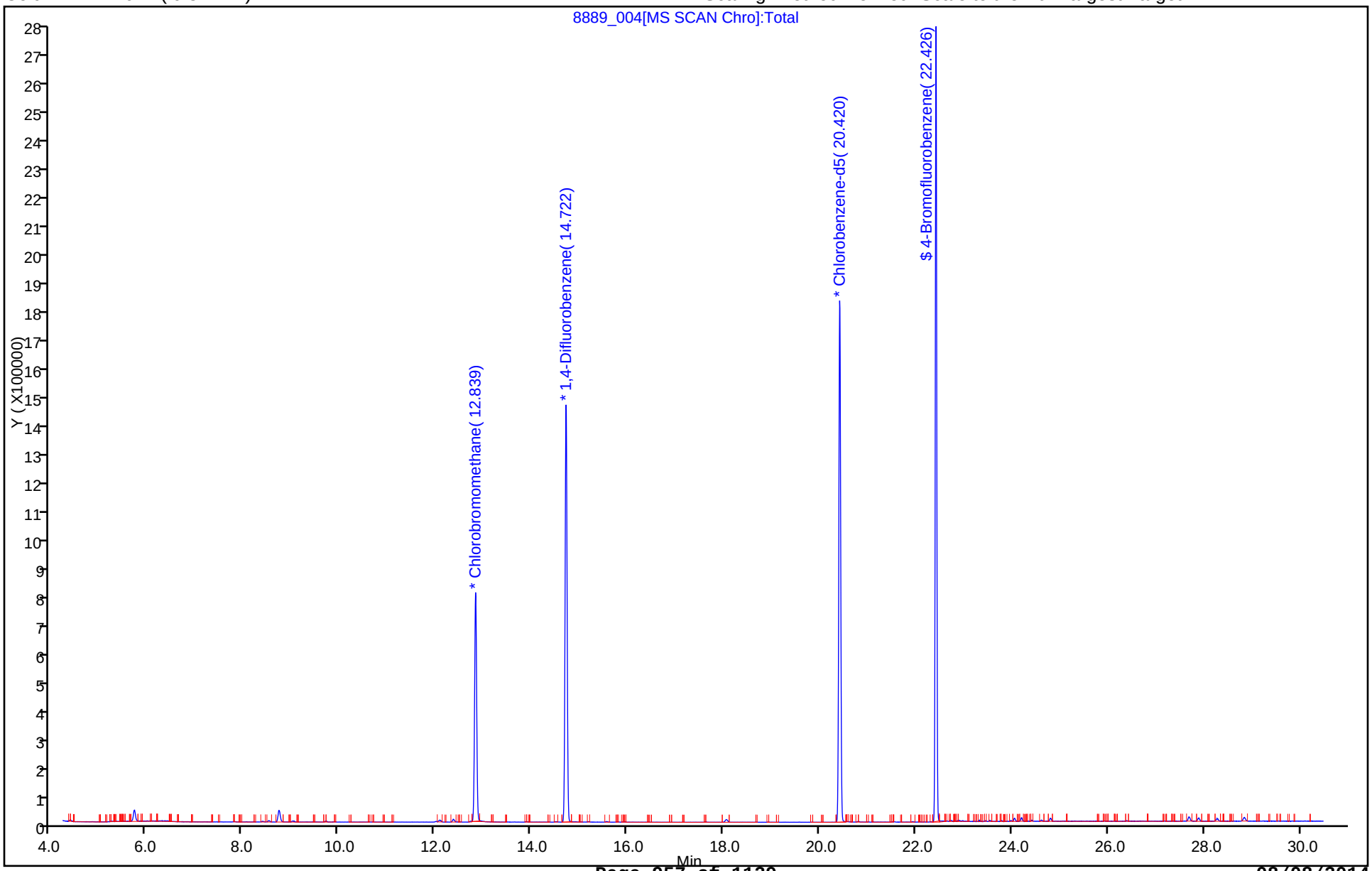
Report Date: 07-Aug-2014 09:53:46 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140806-8889.b\8889_004.d

Injection Date:	06-Aug-2014 14:05:30	Instrument ID:	CHW.i	Operator ID:	BPL
Lims ID:	MB			Worklist Smp#:	4
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



Report Date: 07-Aug-2014 09:53:46 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140806-8889.b\8889_004.d

Injection Date: 06-Aug-2014 14:05:30 Instrument ID: CHW.i

Lims ID: MB

Client ID:

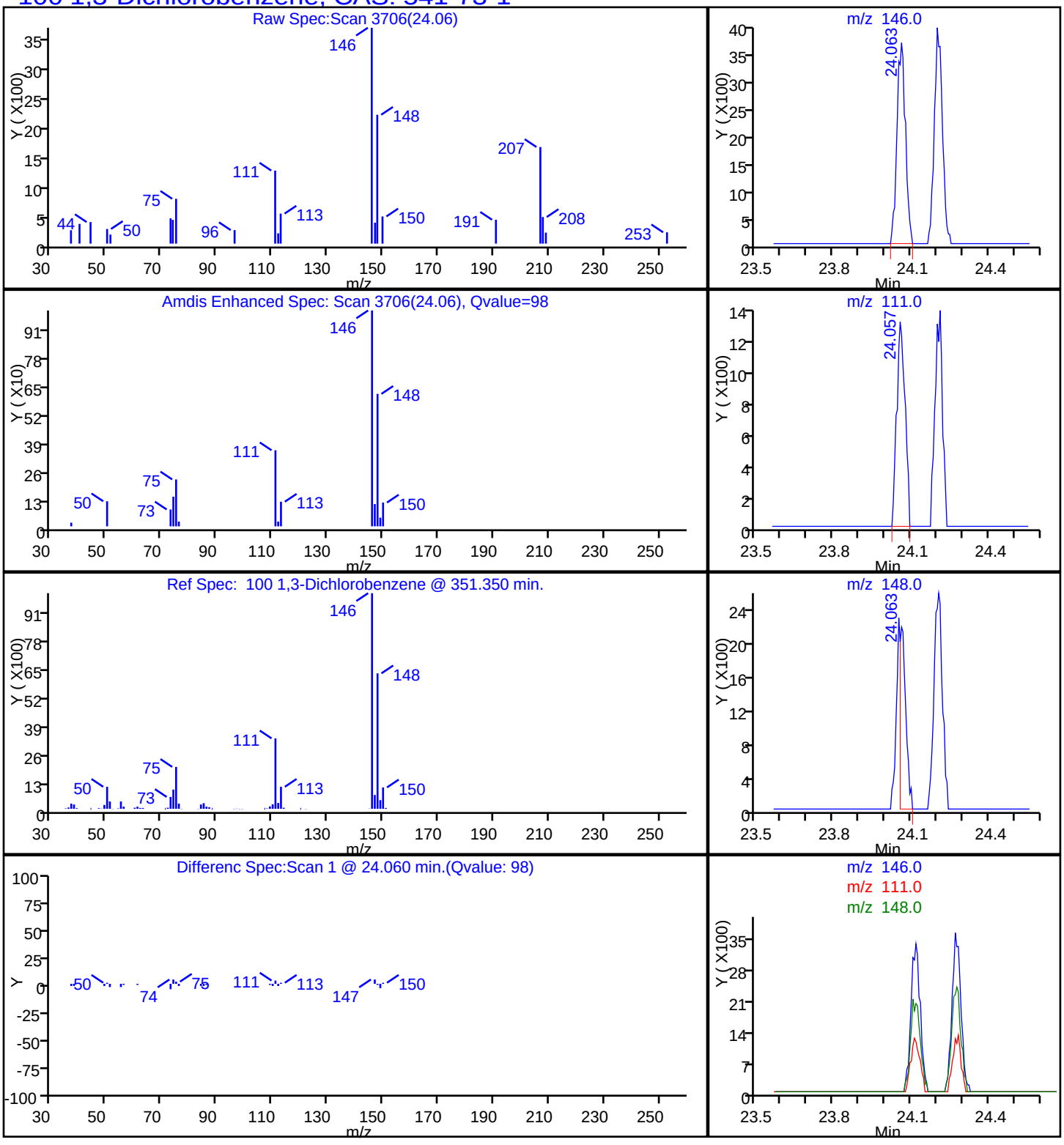
Operator ID: BPL ALS Bottle#: 3 Worklist Smp#: 4

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

100 1,3-Dichlorobenzene, CAS: 541-73-1



Report Date: 07-Aug-2014 09:53:47 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140806-8889.b\8889_004.d

Injection Date: 06-Aug-2014 14:05:30 Instrument ID: CHW.i

Lims ID: MB

Client ID:

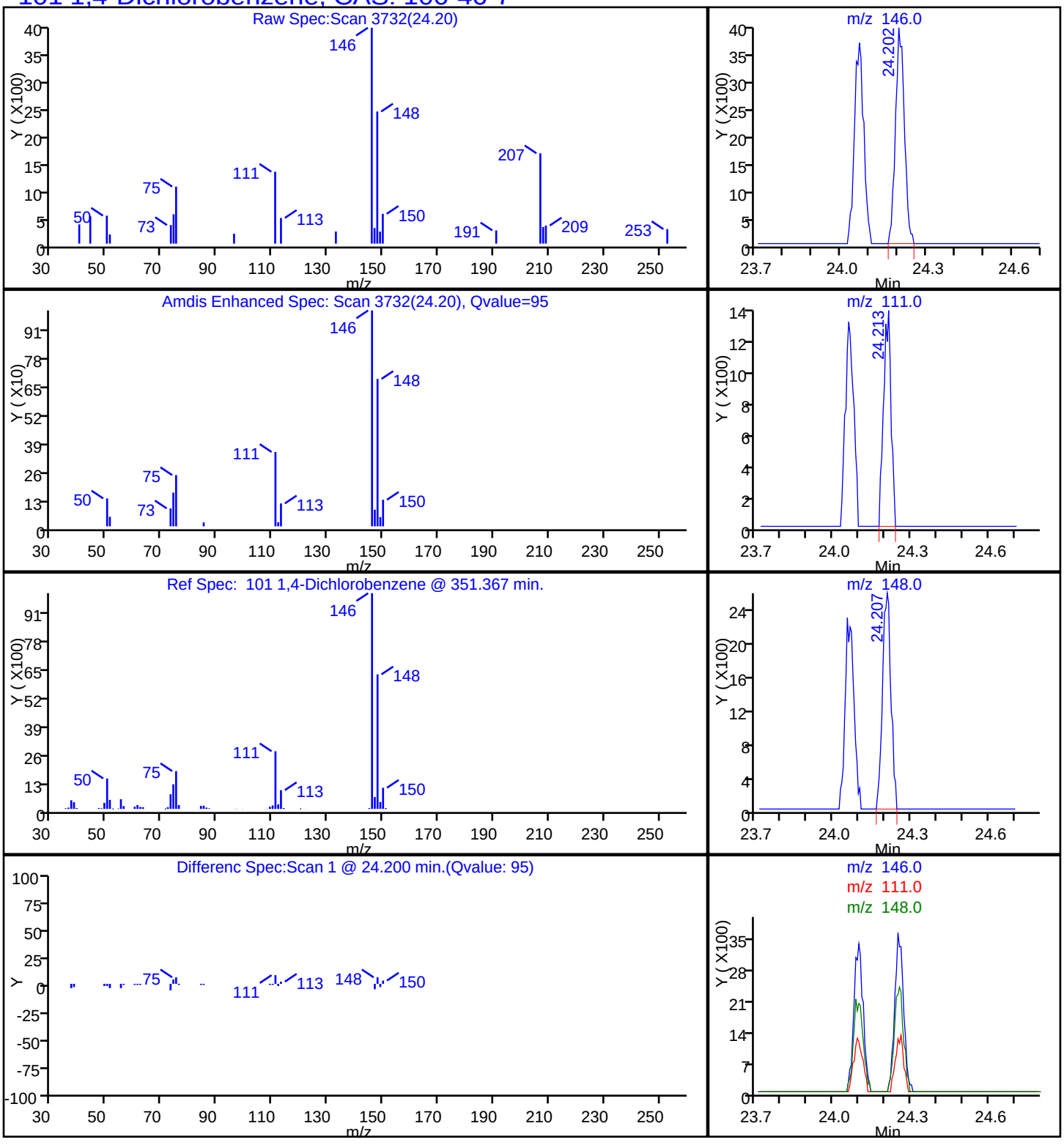
Operator ID: BPL ALS Bottle#: 3 Worklist Smp#: 4

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

101 1,4-Dichlorobenzene, CAS: 106-46-7



Report Date: 07-Aug-2014 09:53:47 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140806-8889.b\8889_004.d

Injection Date: 06-Aug-2014 14:05:30 Instrument ID: CHW.i

Lims ID: MB

Client ID:

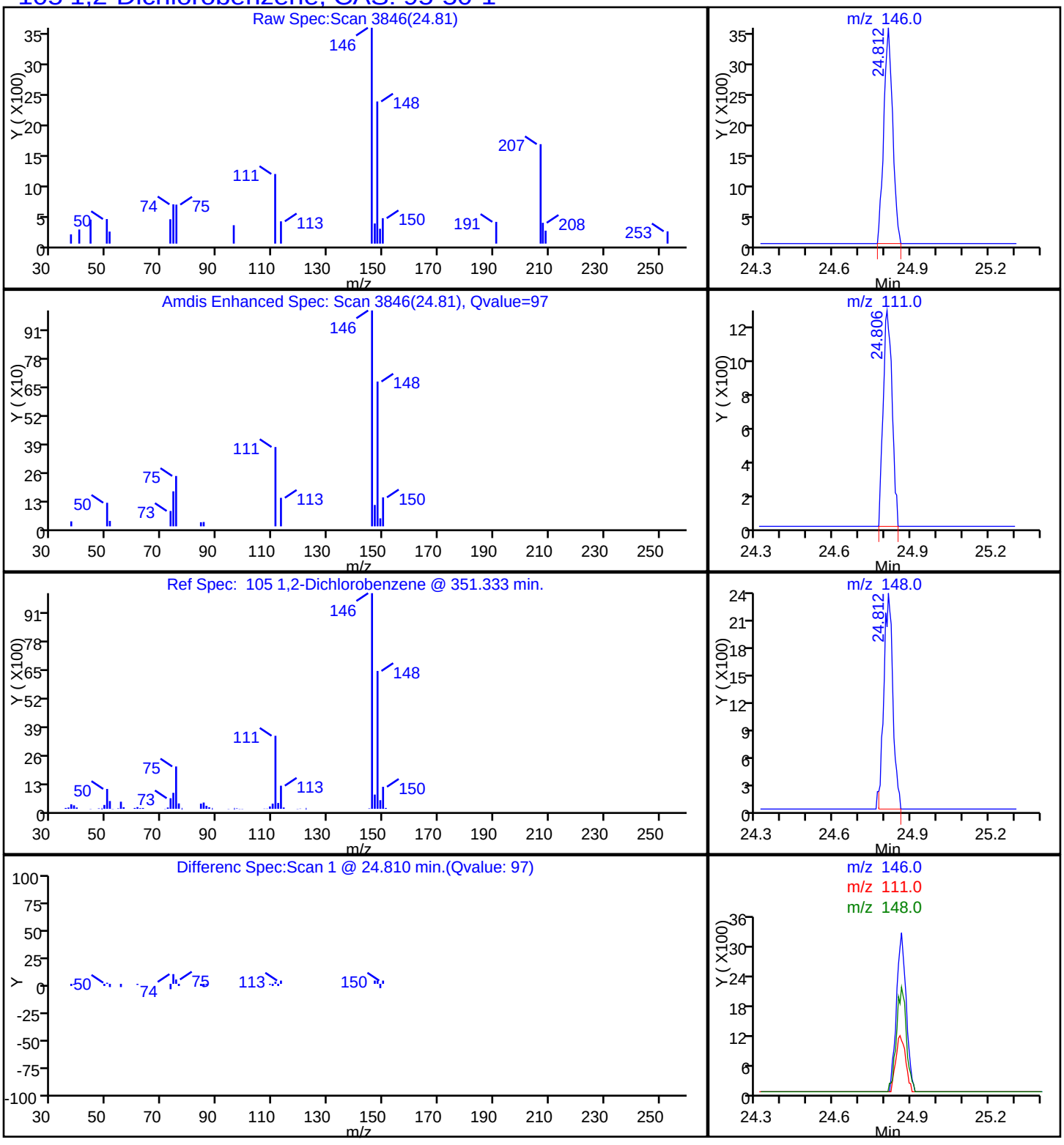
Operator ID: BPL ALS Bottle#: 3 Worklist Smp#: 4

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

105 1,2-Dichlorobenzene, CAS: 95-50-1



Report Date: 07-Aug-2014 09:53:47 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140806-8889.b\8889_004.d

Injection Date: 06-Aug-2014 14:05:30 Instrument ID: CHW.i

Lims ID: MB

Client ID:

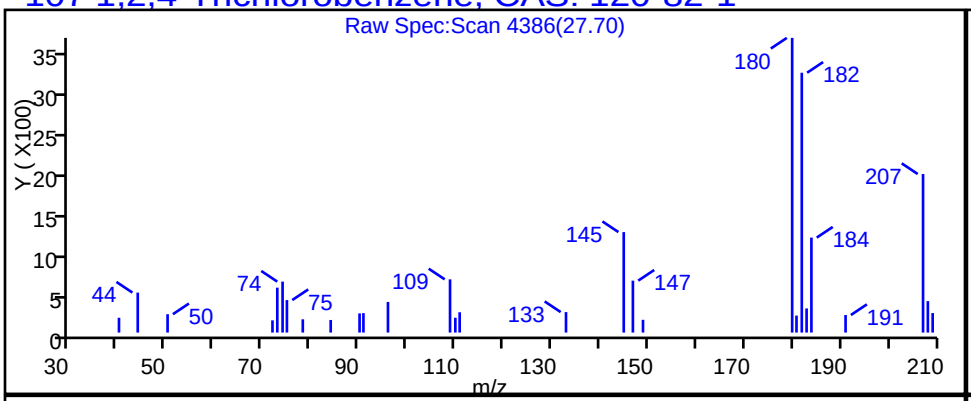
Operator ID: BPL ALS Bottle#: 3 Worklist Smp#: 4

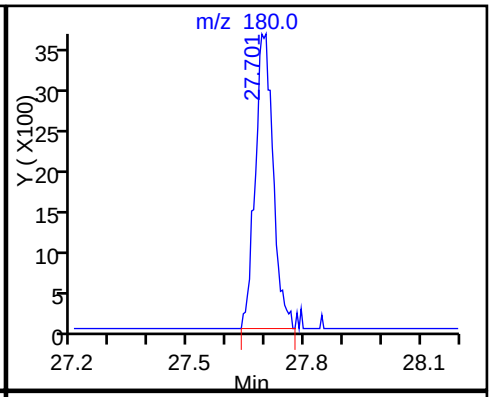
Purge Vol: 200.000 mL Dil. Factor: 1.0000

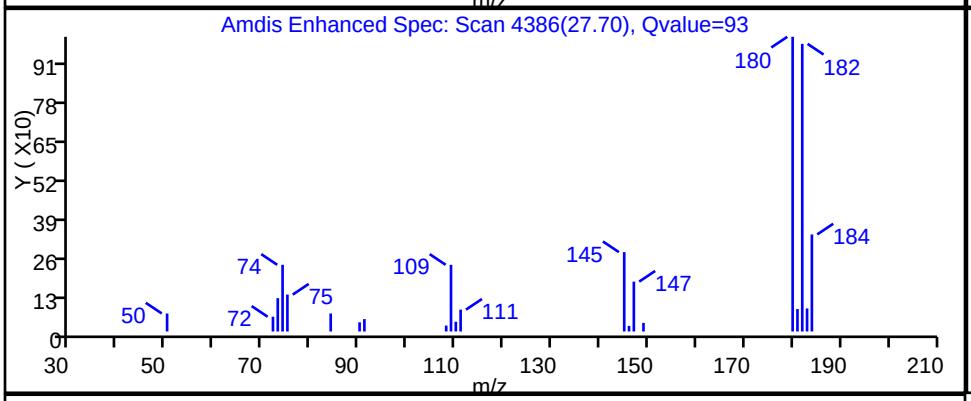
Method: TO15_LLNJ_TO3_W_(v1) Limit Group: AI_TO15_ICAL

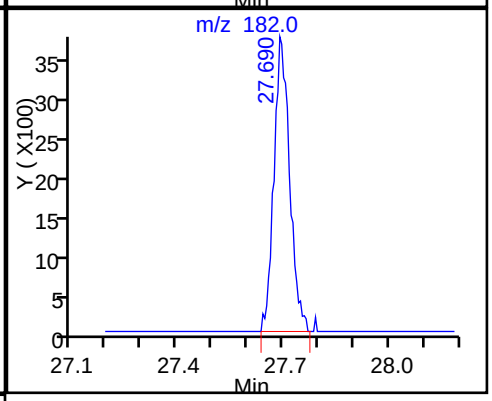
Column: RTX-624 (0.32 mm) Detector MS SCAN

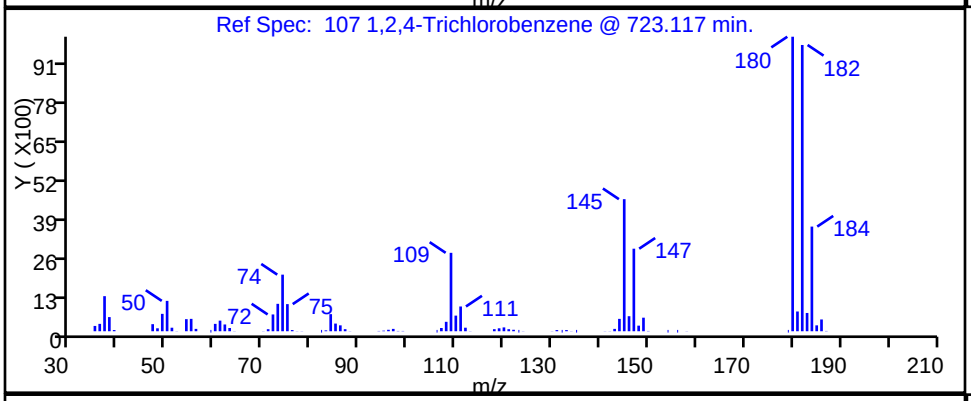
107 1,2,4-Trichlorobenzene, CAS: 120-82-1

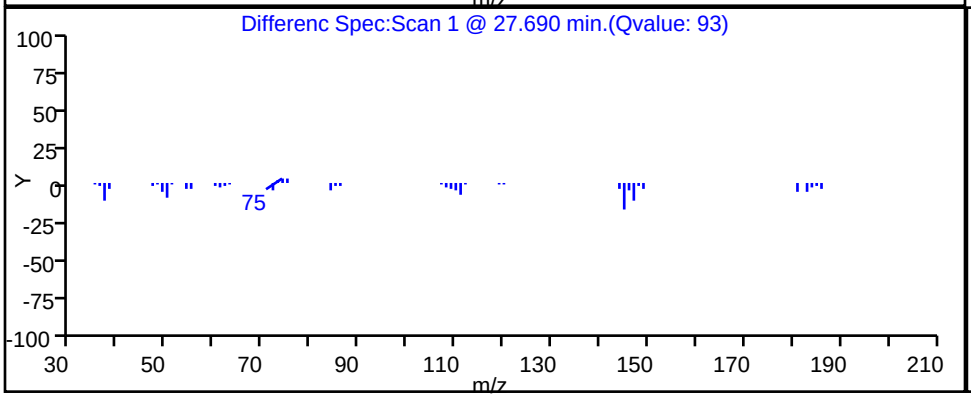


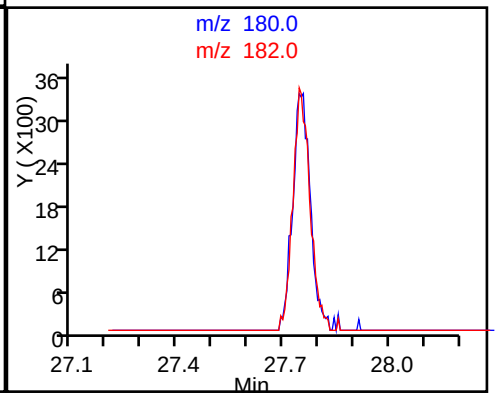








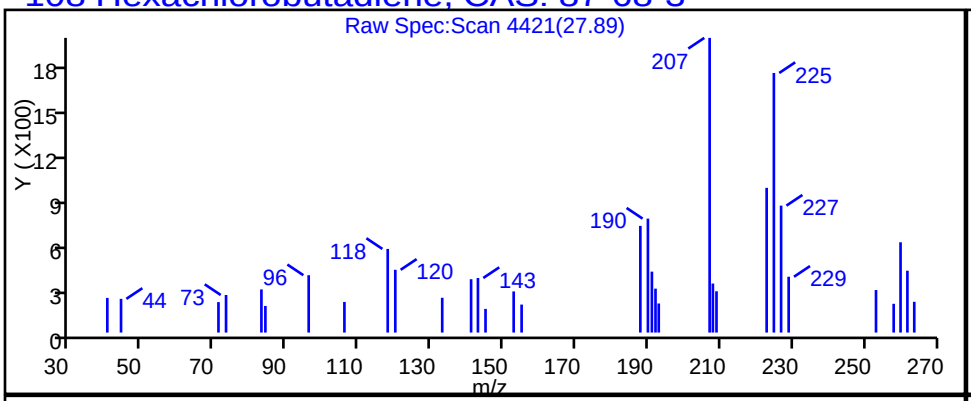


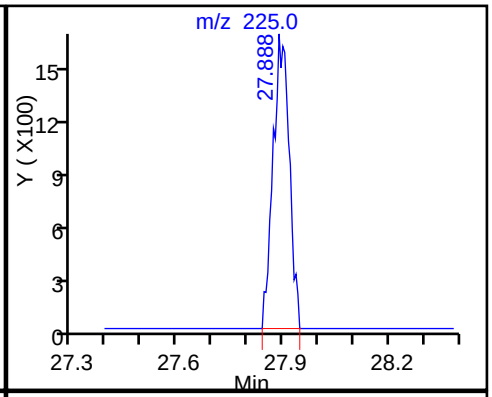


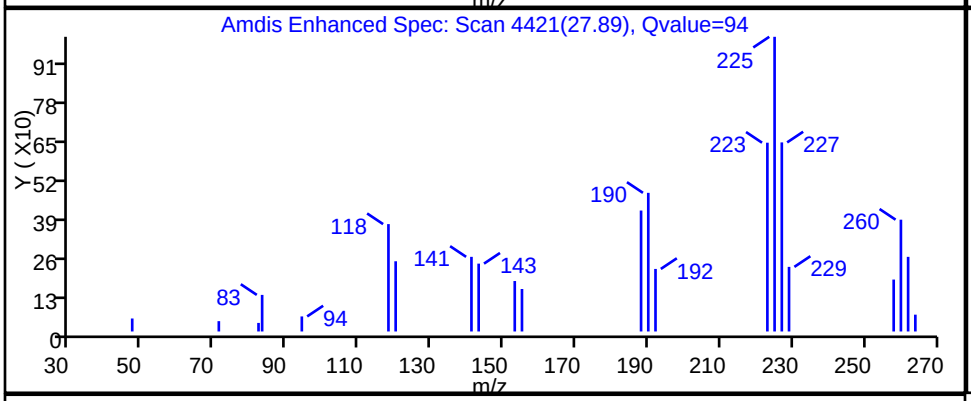
TestAmerica Burlington

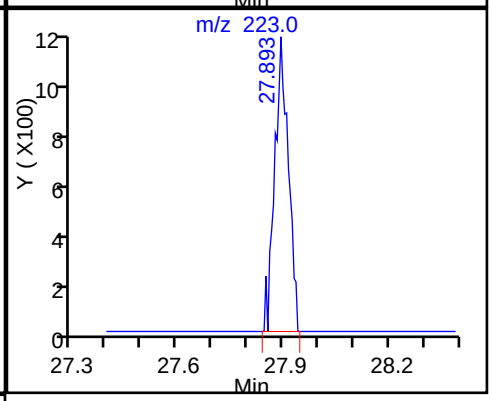
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140806-8889.b\8889_004.d
Injection Date: 06-Aug-2014 14:05:30 Instrument ID: CHW.i
Lims ID: MB
Client ID:
Operator ID: BPL ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_W_(v1) Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

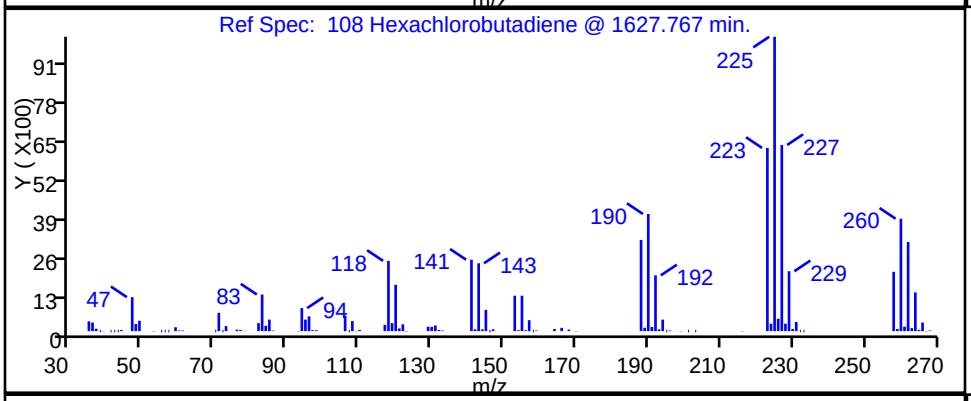
108 Hexachlorobutadiene, CAS: 87-68-3

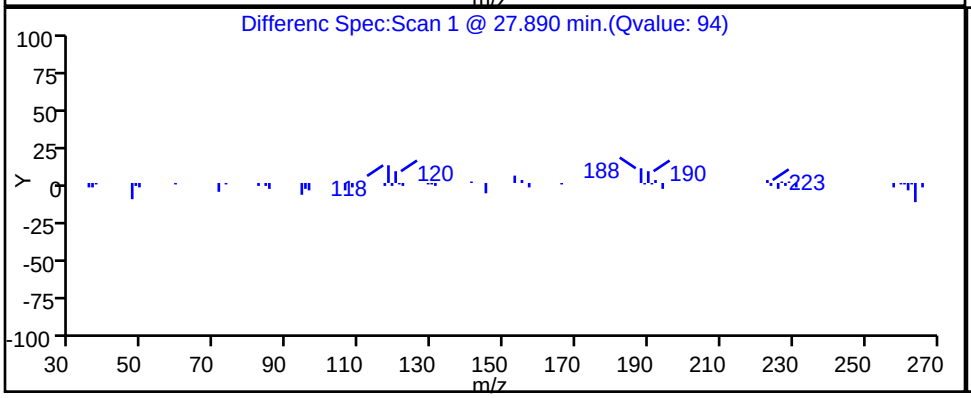


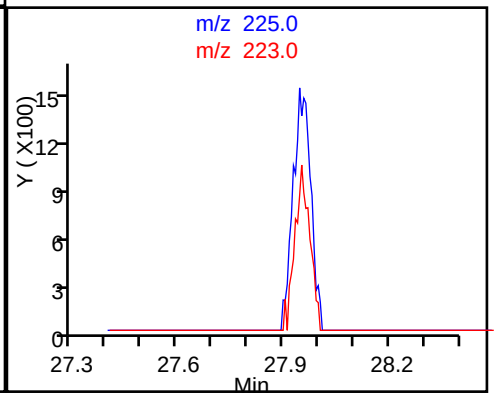












FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 200-75167/3

Matrix: Air Lab File ID: 8660_003.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 07/22/2014 11:37

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75167 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	11.2		0.50	0.030
75-45-6	Freon 22	86.47	11.8		0.50	0.048
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	12.6		0.20	0.035
74-87-3	Chloromethane	50.49	10.6		0.50	0.14
106-97-8	n-Butane	58.12	10.6		0.50	0.28
75-01-4	Vinyl chloride	62.50	9.96		0.20	0.038
106-99-0	1,3-Butadiene	54.09	9.99		0.20	0.042
74-83-9	Bromomethane	94.94	11.0		0.20	0.028
75-00-3	Chloroethane	64.52	10.8		0.50	0.030
593-60-2	Bromoethene(Vinyl Bromide)	106.96	10.7		0.20	0.030
75-69-4	Trichlorofluoromethane	137.37	11.2		0.20	0.030
76-13-1	Freon TF	187.38	11.0		0.20	0.018
75-35-4	1,1-Dichloroethene	96.94	10.6		0.20	0.024
67-64-1	Acetone	58.08	11.9		5.0	1.3
67-63-0	Isopropyl alcohol	60.10	9.02		5.0	0.22
75-15-0	Carbon disulfide	76.14	11.8		0.50	0.066
107-05-1	3-Chloropropene	76.53	9.55		0.50	0.034
75-09-2	Methylene Chloride	84.93	11.0		0.50	0.13
75-65-0	tert-Butyl alcohol	74.12	9.87		5.0	0.33
1634-04-4	Methyl tert-butyl ether	88.15	10.8		0.20	0.022
156-60-5	trans-1,2-Dichloroethene	96.94	11.8		0.20	0.029
110-54-3	n-Hexane	86.17	11.0		0.20	0.034
75-34-3	1,1-Dichloroethane	98.96	10.4		0.20	0.038
78-93-3	Methyl Ethyl Ketone	72.11	10.0		0.50	0.24
156-59-2	cis-1,2-Dichloroethene	96.94	9.89		0.20	0.038
540-59-0	1,2-Dichloroethene, Total	96.94	21.7		0.20	0.064
67-66-3	Chloroform	119.38	10.9		0.20	0.025
109-99-9	Tetrahydrofuran	72.11	10.6		5.0	0.046
71-55-6	1,1,1-Trichloroethane	133.41	10.8		0.20	0.021
110-82-7	Cyclohexane	84.16	10.0		0.20	0.025
56-23-5	Carbon tetrachloride	153.81	9.98		0.20	0.021
540-84-1	2,2,4-Trimethylpentane	114.23	10.0		0.20	0.027
71-43-2	Benzene	78.11	9.85		0.20	0.019
107-06-2	1,2-Dichloroethane	98.96	11.1		0.20	0.017

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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 200-75167/3

Matrix: Air Lab File ID: 8660_003.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 07/22/2014 11:37

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75167 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
142-82-5	n-Heptane	100.21	10.2		0.20	0.046
79-01-6	Trichloroethene	131.39	10.4		0.20	0.024
80-62-6	Methyl methacrylate	100.12	10.9		0.50	0.030
78-87-5	1,2-Dichloropropane	112.99	10.4		0.20	0.032
123-91-1	1,4-Dioxane	88.11	10.0		5.0	0.20
75-27-4	Bromodichloromethane	163.83	11.3		0.20	0.017
10061-01-5	cis-1,3-Dichloropropene	110.97	11.7		0.20	0.028
108-10-1	methyl isobutyl ketone	100.16	11.1		0.50	0.027
108-88-3	Toluene	92.14	11.2		0.20	0.017
10061-02-6	trans-1,3-Dichloropropene	110.97	12.1		0.20	0.022
79-00-5	1,1,2-Trichloroethane	133.41	11.9		0.20	0.017
127-18-4	Tetrachloroethene	165.83	8.99		0.20	0.016
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	11.1		0.50	0.20
124-48-1	Dibromochloromethane	208.29	10.3		0.20	0.020
106-93-4	1,2-Dibromoethane	187.87	11.4		0.20	0.020
108-90-7	Chlorobenzene	112.56	10.5		0.20	0.0081
100-41-4	Ethylbenzene	106.17	11.5		0.20	0.013
179601-23-1	m,p-Xylene	106.17	21.4		0.50	0.023
95-47-6	Xylene, o-	106.17	10.6		0.20	0.016
1330-20-7	Xylene (total)	106.17	32.0		0.20	0.034
100-42-5	Styrene	104.15	11.2		0.20	0.018
75-25-2	Bromoform	252.75	9.47		0.20	0.010
98-82-8	Cumene	120.19	10.9		0.20	0.016
79-34-5	1,1,2,2-Tetrachloroethane	167.85	11.8		0.20	0.016
103-65-1	n-Propylbenzene	120.19	11.6		0.20	0.080
622-96-8	4-Ethyltoluene	120.20	11.2		0.20	0.018
108-67-8	1,3,5-Trimethylbenzene	120.20	11.3		0.20	0.012
95-49-8	2-Chlorotoluene	126.59	11.4		0.20	0.013
98-06-6	tert-Butylbenzene	134.22	10.8		0.20	0.017
95-63-6	1,2,4-Trimethylbenzene	120.20	11.6		0.20	0.014
135-98-8	sec-Butylbenzene	134.22	11.7		0.20	0.080
99-87-6	4-Isopropyltoluene	134.22	11.0		0.20	0.080
541-73-1	1,3-Dichlorobenzene	147.00	10.6		0.20	0.014
106-46-7	1,4-Dichlorobenzene	147.00	10.3		0.20	0.014

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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 200-75167/3

Matrix: Air Lab File ID: 8660_003.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 07/22/2014 11:37

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75167 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	11.1		0.20	0.080
104-51-8	n-Butylbenzene	134.22	12.5		0.20	0.080
95-50-1	1,2-Dichlorobenzene	147.00	10.6		0.20	0.014
120-82-1	1,2,4-Trichlorobenzene	181.45	9.75		0.50	0.027
87-68-3	Hexachlorobutadiene	260.76	9.39		0.20	0.022
91-20-3	Naphthalene	128.17	11.1		0.50	0.20

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140722-8660.b\8660_003.D
Lims ID: lcs
Client ID:
Sample Type: LCS
Inject. Date: 22-Jul-2014 11:37:30 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0008660-003
Misc. Info.: lcs
Operator ID: pad Instrument ID: CHG.i

Method: \\BTV-LIMS1\ChromData\CHG.i\20140722-8660.b\TO15_LLNJ_TO3_G.m
Limit Group: AI_TO15_ICAL
Last Update: 23-Jul-2014 12:23:50 Calib Date: 02-Jul-2014 22:50:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHG.i\20140702-8394.b\8394_010.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK023

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	2.758	2.758	0.000	96	152593	10.0	10.0	
2 Dichlorodifluoromethane	85	2.827	2.827	0.000	99	1364758	10.0	11.2	
6 Chlorodifluoromethane	51	2.886	2.886	0.000	96	550576	10.0	11.8	
7 1,2-Dichloro-1,1,2,2-tetra	85	3.100	3.105	-0.005	95	1336997	10.0	12.6	
8 Chloromethane	50	3.244	3.244	0.000	99	246717	10.0	10.6	
9 Butane	43	3.448	3.448	0.000	96	309221	10.0	10.6	
10 Vinyl chloride	62	3.496	3.496	0.000	98	329230	10.0	9.96	
11 Butadiene	54	3.576	3.576	0.000	90	193626	10.0	10.0	
13 BFB									
12 Bromomethane	94	4.293	4.293	0.000	98	498985	10.0	11.0	
14 Chloroethane	64	4.550	4.550	0.000	99	123471	10.0	10.8	
15 2-Methylbutane	43	4.630	4.625	0.005	89	202126	10.0	11.2	
16 Vinyl bromide	106	4.962	4.962	0.000	99	568564	10.0	10.7	
17 Trichlorofluoromethane	101	5.069	5.074	-0.005	98	1519749	10.0	11.2	
18 Pentane	43	5.224	5.224	0.000	93	341185	10.0	11.4	
19 Ethanol	45	5.721	5.721	0.000	95	109331	15.0	15.2	
21 Ethyl ether	59	5.791	5.796	-0.005	96	180987	10.0	11.5	
22 Acrolein	56	6.208	6.203	0.005	96	80652	10.0	12.0	
23 1,1,2-Trichloro-1,2,2-trif	101	6.224	6.230	-0.006	97	978109	10.0	11.0	
24 1,1-Dichloroethene	96	6.262	6.262	0.000	92	413556	10.0	10.6	
25 Acetone	43	6.540	6.540	0.000	86	379340	10.0	11.9	
26 Carbon disulfide	76	6.641	6.647	-0.006	98	1198150	10.0	11.8	
27 Isopropyl alcohol	45	6.871	6.866	0.005	98	239549	10.0	9.02	
29 3-Chloro-1-propene	41	7.107	7.107	0.000	80	237104	10.0	9.55	
30 Acetonitrile	41	7.273	7.273	0.000	97	139182	10.0	11.0	
31 Methylene Chloride	49	7.417	7.423	-0.006	80	310577	10.0	11.0	
32 2-Methyl-2-propanol	59	7.685	7.679	0.006	98	485766	10.0	9.87	
33 Methyl tert-butyl ether	73	7.840	7.840	0.000	94	960434	10.0	10.8	
34 trans-1,2-Dichloroethene	61	7.872	7.872	0.000	86	496826	10.0	11.8	
35 Acrylonitrile	53	8.059	8.059	0.000	93	170317	10.0	11.0	
36 Hexane	57	8.273	8.273	0.000	89	359945	10.0	11.0	
37 1,1-Dichloroethane	63	8.787	8.787	0.000	99	645453	10.0	10.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
38 Vinyl acetate	43	8.888	8.888	0.000	99	574410	10.0	10.2	
39 cis-1,2-Dichloroethene	96	9.937	9.937	0.000	91	561588	10.0	9.89	
40 2-Butanone (MEK)	72	10.006	10.006	0.000	97	174312	10.0	10.0	
42 Ethyl acetate	88	10.060	10.055	0.005	99	29058	10.0	11.2	
S 41 1,2-Dichloroethene, Total	61				0		20.0	21.7	
44 Tetrahydrofuran	42	10.402	10.397	0.005	79	265109	10.0	10.6	
* 43 Chlorobromomethane	128	10.408	10.408	0.000	68	649718	10.0	10.0	
45 Chloroform	83	10.552	10.557	-0.005	99	1271857	10.0	10.9	
46 Cyclohexane	84	10.766	10.771	-0.005	82	587375	10.0	10.0	
47 1,1,1-Trichloroethane	97	10.814	10.814	0.000	95	1463735	10.0	10.8	
48 Carbon tetrachloride	117	11.060	11.060	0.000	97	1817189	10.0	9.98	
51 Isooctane	57	11.515	11.515	0.000	98	1792502	10.0	10.0	
50 Benzene	78	11.547	11.547	0.000	94	1603321	10.0	9.85	
52 1,2-Dichloroethane	62	11.745	11.745	0.000	99	853554	10.0	11.1	
53 n-Heptane	43	11.922	11.922	0.000	86	601375	10.0	10.2	
* 54 1,4-Difluorobenzene	114	12.419	12.419	0.000	91	3682177	10.0	10.0	
55 n-Butanol	56	12.831	12.836	-0.005	86	209634	10.0	9.16	
56 Trichloroethene	95	12.874	12.869	0.005	94	1226146	10.0	10.4	
A 57 GRO	1	13.058	(4.615-21.502)		0	272874324	10.0	0	
58 1,2-Dichloropropane	63	13.446	13.446	0.000	92	776985	10.0	10.4	
59 Methyl methacrylate	69	13.633	13.634	-0.001	78	724807	10.0	10.9	
60 1,4-Dioxane	88	13.671	13.676	-0.005	82	357407	10.0	10.0	
61 Dibromomethane	174	13.703	13.703	0.000	92	1567806	10.0	9.33	
62 Dichlorobromomethane	83	14.013	14.019	-0.006	97	2340163	10.0	11.3	
A 63 TVOC as Toluene	1	14.762	(2.748-26.777)		0	524883997	10.0	0	
64 cis-1,3-Dichloropropene	75	15.003	15.003	0.000	87	1704453	10.0	11.7	
65 4-Methyl-2-pentanone (MIBK	43	15.319	15.313	0.006	92	1409834	10.0	11.1	
66 Toluene	92	15.608	15.608	0.000	94	2237494	10.0	11.2	
A 67 Toluene Range	1	15.608	(15.568-15.648)		0	8352454	NC	NC	
69 n-Octane	43	15.677	15.677	0.000	85	1409970	10.0	12.0	
A 68 C8 Range	1	15.691	(15.627-15.727)		0	5887274	NC	NC	
70 trans-1,3-Dichloropropene	75	16.244	16.244	0.000	93	1819124	10.0	12.1	
71 1,1,2-Trichloroethane	83	16.629	16.629	0.000	95	1260752	10.0	11.9	
72 Tetrachloroethene	166	16.715	16.715	0.000	97	2402490	10.0	8.99	
73 2-Hexanone	43	17.100	17.100	0.000	93	1414144	10.0	11.1	
74 Chlorodibromomethane	129	17.400	17.400	0.000	97	3116133	10.0	10.3	
75 Ethylene Dibromide	107	17.678	17.678	0.000	99	2686177	10.0	11.4	
* 76 Chlorobenzene-d5	117	18.593	18.587	0.006	81	4353538	10.0	10.0	
77 Chlorobenzene	112	18.651	18.652	-0.001	99	3363843	10.0	10.5	
78 Ethylbenzene	91	18.807	18.812	-0.005	96	4802176	10.0	11.5	
79 n-Nonane	57	18.940	18.940	0.000	82	1641896	10.0	11.8	
80 m-Xylene & p-Xylene	106	19.063	19.064	-0.001	99	3890846	20.0	21.4	
83 o-Xylene	106	19.914	19.914	0.000	95	2036425	10.0	10.6	
84 Styrene	104	19.973	19.968	0.005	98	3012530	10.0	11.2	
S 82 Xylenes, Total	106				0		30.0	32.1	
85 Bromoform	173	20.385	20.390	-0.005	98	3305192	10.0	9.47	
86 Isopropylbenzene	105	20.599	20.599	0.000	95	5523346	10.0	10.9	
* 87 4-Bromofluorobenzene	95	20.968	20.963	0.005	98	2805632	10.0	10.0	
88 1,1,2,2-Tetrachloroethane	83	21.257	21.252	0.005	98	3105719	10.0	11.8	
90 N-Propylbenzene	91	21.321	21.321	0.000	100	6533647	10.0	11.6	
89 1,2,3-Trichloropropane	75	21.353	21.353	0.000	95	2178461	10.0	11.9	
93 n-Decane	57	21.492	21.492	0.000	83	1856495	10.0	11.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
91 4-Ethyltoluene	105	21.508	21.508	0.000	97	5256865	10.0	11.2	
92 2-Chlorotoluene	91	21.514	21.514	0.000	96	4202053	10.0	11.4	
94 1,3,5-Trimethylbenzene	105	21.615	21.615	0.000	94	4673592	10.0	11.3	
95 Alpha Methyl Styrene	118	21.979	21.979	0.000	92	2606719	10.0	11.1	
96 tert-Butylbenzene	119	22.102	22.102	0.000	93	4486496	10.0	10.8	
97 1,2,4-Trimethylbenzene	105	22.193	22.193	0.000	96	4726267	10.0	11.6	
98 sec-Butylbenzene	105	22.423	22.423	0.000	99	6804905	10.0	11.7	
99 4-Isopropyltoluene	119	22.621	22.621	0.000	97	5743556	10.0	11.0	
100 1,3-Dichlorobenzene	146	22.648	22.648	0.000	99	3863997	10.0	10.6	
101 1,4-Dichlorobenzene	146	22.781	22.782	-0.001	97	3988249	10.0	10.3	
102 Benzyl chloride	91	22.985	22.985	0.000	100	3801000	10.0	11.1	
103 n-Butylbenzene	91	23.188	23.188	0.000	98	5153453	10.0	12.5	
104 Undecane	57	23.215	23.215	0.000	90	2188249	10.0	13.4	
105 1,2-Dichlorobenzene	146	23.316	23.317	-0.001	99	3802779	10.0	10.6	
106 Dodecane	57	24.788	24.788	0.000	91	1613268	10.0	13.9	
107 1,2,4-Trichlorobenzene	180	25.804	25.804	0.000	94	3090275	10.0	9.75	
108 Hexachlorobutadiene	225	25.991	25.986	0.005	95	2653986	10.0	9.39	
109 Naphthalene	128	26.296	26.296	0.000	99	5942131	10.0	11.1	
110 1,2,3-Trichlorobenzene	180	26.767	26.767	0.000	96	2557080	10.0	11.4	

QC Flag Legend

Processing Flags
NC - Not Calibrated

Reagents:

ATTO15LCSW_00386	Amount Added: 200.00	Units: mL	
ATTO15GIS_00009	Amount Added: 20.00	Units: mL	Run Reagent

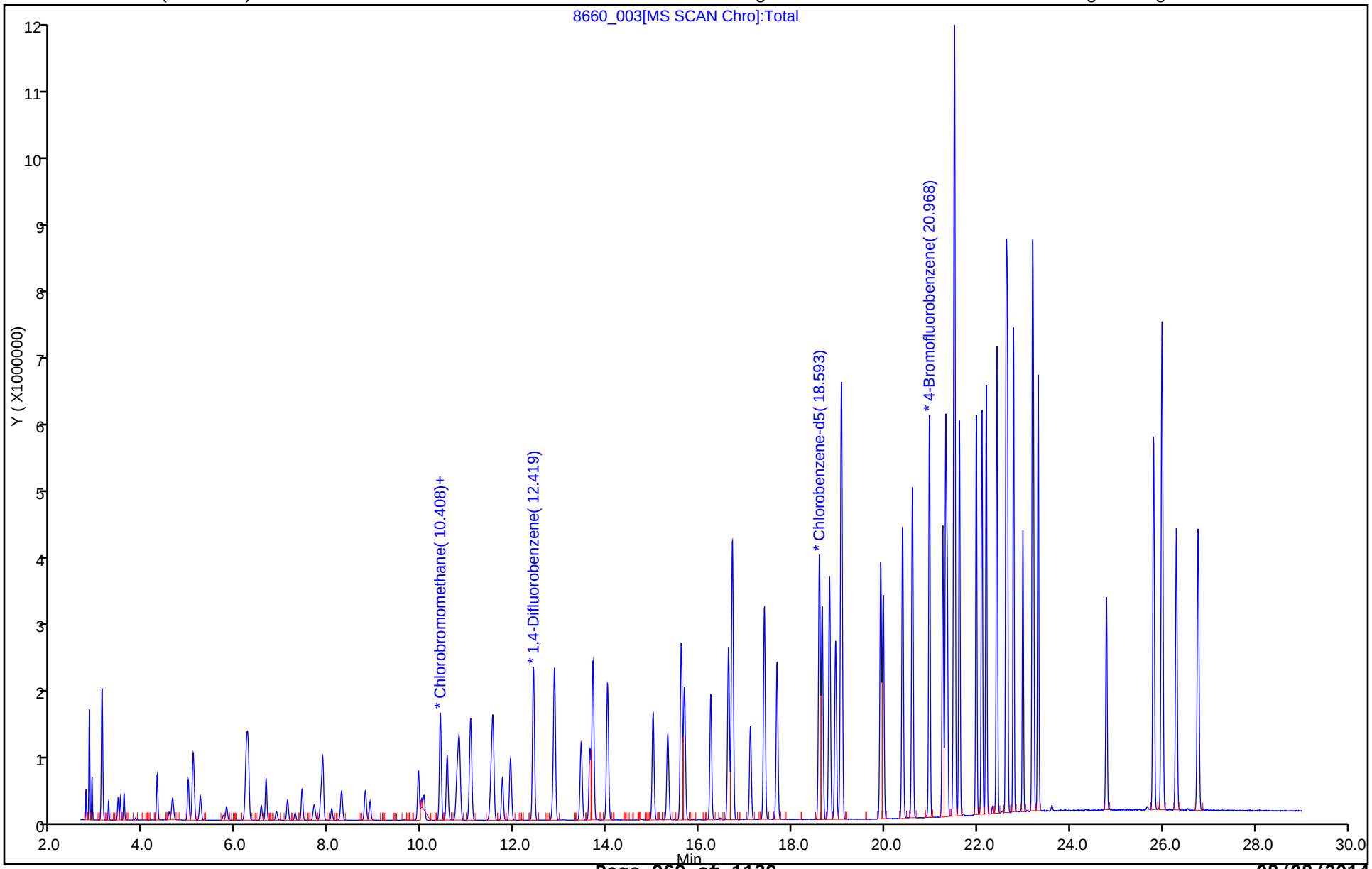
Report Date: 23-Jul-2014 12:23:52 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140722-8660.b\8660_003.D

Injection Date:	22-Jul-2014 11:37:30	Instrument ID:	CHG.i	Operator ID:	pad
Lims ID:	lcs			Worklist Smp#:	3
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	2
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 I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 200-75211/3

Matrix: Air Lab File ID: 8677_003.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 07/23/2014 10:22

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75211 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	10.7		0.50	0.030
75-45-6	Freon 22	86.47	10.6		0.50	0.048
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	11.3		0.20	0.035
74-87-3	Chloromethane	50.49	9.77		0.50	0.14
106-97-8	n-Butane	58.12	9.87		0.50	0.28
75-01-4	Vinyl chloride	62.50	9.84		0.20	0.038
106-99-0	1,3-Butadiene	54.09	9.69		0.20	0.042
74-83-9	Bromomethane	94.94	9.64		0.20	0.028
75-00-3	Chloroethane	64.52	9.48		0.50	0.030
593-60-2	Bromoethene(Vinyl Bromide)	106.96	9.38		0.20	0.030
75-69-4	Trichlorofluoromethane	137.37	10.0		0.20	0.030
76-13-1	Freon TF	187.38	10.1		0.20	0.018
75-35-4	1,1-Dichloroethene	96.94	9.71		0.20	0.024
67-64-1	Acetone	58.08	10.4		5.0	1.3
67-63-0	Isopropyl alcohol	60.10	8.69		5.0	0.22
75-15-0	Carbon disulfide	76.14	10.3		0.50	0.066
107-05-1	3-Chloropropene	76.53	8.81		0.50	0.034
75-09-2	Methylene Chloride	84.93	9.66		0.50	0.13
75-65-0	tert-Butyl alcohol	74.12	9.43		5.0	0.33
1634-04-4	Methyl tert-butyl ether	88.15	9.86		0.20	0.022
156-60-5	trans-1,2-Dichloroethene	96.94	10.2		0.20	0.029
110-54-3	n-Hexane	86.17	10.2		0.20	0.034
75-34-3	1,1-Dichloroethane	98.96	9.85		0.20	0.038
78-93-3	Methyl Ethyl Ketone	72.11	8.92		0.50	0.24
156-59-2	cis-1,2-Dichloroethene	96.94	9.37		0.20	0.038
540-59-0	1,2-Dichloroethene, Total	96.94	19.6		0.20	0.064
67-66-3	Chloroform	119.38	9.95		0.20	0.025
109-99-9	Tetrahydrofuran	72.11	9.53		5.0	0.046
71-55-6	1,1,1-Trichloroethane	133.41	9.87		0.20	0.021
110-82-7	Cyclohexane	84.16	9.46		0.20	0.025
56-23-5	Carbon tetrachloride	153.81	10.0		0.20	0.021
540-84-1	2,2,4-Trimethylpentane	114.23	9.31		0.20	0.027
71-43-2	Benzene	78.11	9.22		0.20	0.019
107-06-2	1,2-Dichloroethane	98.96	10.1		0.20	0.017

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

Lab Name: TestAmerica Burlington | Job No.: 280-58004-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 200-75211/3

Matrix: Air | Lab File ID: 8677_003.D

Analysis Method: TO-15 | Date Collected:

Sample wt/vol: 200(mL) | Date Analyzed: 07/23/2014 10:22

Soil Aliquot Vol: | Dilution Factor: 1

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

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

Analysis Batch No.: 75211 | Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
142-82-5	n-Heptane	100.21	9.47		0.20	0.046
79-01-6	Trichloroethene	131.39	10.2		0.20	0.024
80-62-6	Methyl methacrylate	100.12	10.5		0.50	0.030
78-87-5	1,2-Dichloropropane	112.99	9.94		0.20	0.032
123-91-1	1,4-Dioxane	88.11	9.84		5.0	0.20
75-27-4	Bromodichloromethane	163.83	10.3		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	9.52		0.50	0.027
108-88-3	Toluene	92.14	9.79		0.20	0.017
10061-02-6	trans-1,3-Dichloropropene	110.97	9.67		0.20	0.022
79-00-5	1,1,2-Trichloroethane	133.41	9.88		0.20	0.017
127-18-4	Tetrachloroethene	165.83	9.43		0.20	0.016
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	9.24		0.50	0.20
124-48-1	Dibromochloromethane	208.29	9.79		0.20	0.020
106-93-4	1,2-Dibromoethane	187.87	9.91		0.20	0.020
108-90-7	Chlorobenzene	112.56	9.53		0.20	0.0081
100-41-4	Ethylbenzene	106.17	9.80		0.20	0.013
179601-23-1	m,p-Xylene	106.17	19.0		0.50	0.023
95-47-6	Xylene, o-	106.17	9.54		0.20	0.016
1330-20-7	Xylene (total)	106.17	28.5		0.20	0.034
100-42-5	Styrene	104.15	9.71		0.20	0.018
75-25-2	Bromoform	252.75	9.78		0.20	0.010
98-82-8	Cumene	120.19	9.65		0.20	0.016
79-34-5	1,1,2,2-Tetrachloroethane	167.85	9.81		0.20	0.016
103-65-1	n-Propylbenzene	120.19	9.85		0.20	0.080
622-96-8	4-Ethyltoluene	120.20	9.91		0.20	0.018
108-67-8	1,3,5-Trimethylbenzene	120.20	9.79		0.20	0.012
95-49-8	2-Chlorotoluene	126.59	9.58		0.20	0.013
98-06-6	tert-Butylbenzene	134.22	9.67		0.20	0.017
95-63-6	1,2,4-Trimethylbenzene	120.20	9.80		0.20	0.014
135-98-8	sec-Butylbenzene	134.22	9.69		0.20	0.080
99-87-6	4-Isopropyltoluene	134.22	9.78		0.20	0.080
541-73-1	1,3-Dichlorobenzene	147.00	9.56		0.20	0.014
106-46-7	1,4-Dichlorobenzene	147.00	9.70		0.20	0.014

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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 200-75211/3

Matrix: Air Lab File ID: 8677_003.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 07/23/2014 10:22

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75211 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	9.30		0.20	0.080
104-51-8	n-Butylbenzene	134.22	10.2		0.20	0.080
95-50-1	1,2-Dichlorobenzene	147.00	9.61		0.20	0.014
120-82-1	1,2,4-Trichlorobenzene	181.45	11.4		0.50	0.027
87-68-3	Hexachlorobutadiene	260.76	10.7		0.20	0.022
91-20-3	Naphthalene	128.17	11.1		0.50	0.20

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140723-8677.b\8677_003.D
Lims ID: lcs
Client ID:
Sample Type: LCS
Inject. Date: 23-Jul-2014 10:22:30 ALS Bottle#: 3 Worklist Smp#: 3
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0008677-008
Misc. Info.: lcs
Operator ID: bpl Instrument ID: CHC.i

Method: \\BTV-LIMS1\ChromData\CHC.i\20140723-8677.b\TO15_LLNJ_TO3_CHC.m
Limit Group: AI_TO15_ICAL
Last Update: 23-Jul-2014 11:10:38 Calib Date: 18-Jul-2014 09:36:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\8605_018.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK001

First Level Reviewer: lyonsb Date: 23-Jul-2014 11:10:26

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	3.004	3.004	0.000	95	62909	10.0	9.39	
2 Dichlorodifluoromethane	85	3.074	3.079	-0.005	99	378766	10.0	10.7	
6 Chlorodifluoromethane	51	3.132	3.132	0.000	96	167991	10.0	10.6	
7 1,2-Dichloro-1,1,2,2-tetra	85	3.351	3.351	0.000	98	345071	10.0	11.3	
8 Chloromethane	50	3.495	3.495	0.000	100	82248	10.0	9.77	
9 Butane	43	3.698	3.698	0.000	97	134808	10.0	9.87	
10 Vinyl chloride	62	3.746	3.746	0.000	98	101417	10.0	9.84	
11 Butadiene	54	3.826	3.832	-0.006	92	74918	10.0	9.69	
12 Bromomethane	94	4.536	4.536	0.000	98	101435	10.0	9.64	
18 BFB									
13 Chloroethane	64	4.792	4.792	0.000	100	42577	10.0	9.48	
14 2-Methylbutane	43	4.862	4.862	0.000	88	81550	10.0	9.77	
15 Vinyl bromide	106	5.192	5.192	0.000	98	97125	10.0	9.38	
16 Trichlorofluoromethane	101	5.299	5.294	0.005	99	378309	10.0	10.0	
17 Pentane	43	5.443	5.443	0.000	94	143078	10.0	10.3	
19 Ethanol	45	5.945	5.950	-0.005	99	34877	15.0	12.6	
21 Ethyl ether	59	5.998	6.004	-0.006	92	67004	10.0	11.2	
22 Acrolein	56	6.409	6.409	0.000	38	28240	10.0	11.1	
23 1,1,2-Trichloro-1,2,2-trif	101	6.415	6.425	-0.010	97	213828	10.0	10.1	
24 1,1-Dichloroethene	96	6.457	6.463	-0.006	99	96577	10.0	9.71	
25 Acetone	43	6.735	6.740	-0.005	86	142739	10.0	10.4	
26 Carbon disulfide	76	6.842	6.842	0.000	99	301333	10.0	10.3	
27 Isopropyl alcohol	45	7.060	7.071	-0.011	98	95441	10.0	8.69	
29 3-Chloro-1-propene	41	7.279	7.285	-0.006	87	92191	10.0	8.81	
30 Acetonitrile	41	7.445	7.445	0.000	96	53304	10.0	10.0	
31 Methylene Chloride	49	7.589	7.589	0.000	88	93891	10.0	9.66	
32 2-Methyl-2-propanol	59	7.856	7.861	-0.005	98	170770	10.0	9.43	
33 Methyl tert-butyl ether	73	8.005	8.005	0.000	95	289202	10.0	9.86	
34 trans-1,2-Dichloroethene	61	8.032	8.037	-0.005	92	140910	10.0	10.2	
35 Acrylonitrile	53	8.218	8.219	-0.001	94	57256	10.0	10.1	
36 Hexane	57	8.427	8.427	0.000	90	129025	10.0	10.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
37 1,1-Dichloroethane	63	8.939	8.934	0.005	100	182149	10.0	9.85	
38 Vinyl acetate	43	9.035	9.035	0.000	99	216744	10.0	9.44	
39 cis-1,2-Dichloroethene	96	10.076	10.081	-0.005	97	123629	10.0	9.37	
40 2-Butanone (MEK)	72	10.150	10.156	-0.006	99	54135	10.0	8.92	
42 Ethyl acetate	88	10.204	10.199	0.006	99	9284	10.0	9.95	
S 41 1,2-Dichloroethene, Total	61				0		20.0	19.6	
* 43 Chlorobromomethane	128	10.551	10.551	0.000	85	114234	10.0	10.0	
44 Tetrahydrofuran	42	10.572	10.567	0.005	87	110384	10.0	9.53	
45 Chloroform	83	10.695	10.695	0.000	99	307476	10.0	9.95	
46 Cyclohexane	84	10.908	10.919	-0.011	91	167122	10.0	9.46	
47 1,1,1-Trichloroethane	97	10.956	10.956	0.000	96	363220	10.0	9.87	
48 Carbon tetrachloride	117	11.207	11.207	0.000	99	399327	10.0	10.0	
51 Isooctane	57	11.650	11.655	-0.005	98	648573	10.0	9.31	
50 Benzene	78	11.687	11.693	-0.006	97	413541	10.0	9.22	
52 1,2-Dichloroethane	62	11.890	11.896	-0.006	99	257094	10.0	10.1	
53 n-Heptane	43	12.066	12.061	0.005	92	262547	10.0	9.47	
* 54 1,4-Difluorobenzene	114	12.568	12.568	0.000	96	707502	10.0	10.0	
55 n-Butanol	56	13.011	13.016	-0.005	89	86999	10.0	9.76	
56 Trichloroethene	95	13.032	13.032	0.000	94	251132	10.0	10.2	
A 57 GRO	1	13.168	(4.852-21.485)		0	58879636	10.0	0	
58 1,2-Dichloropropane	63	13.609	13.614	-0.005	89	221282	10.0	9.94	
59 Methyl methacrylate	69	13.801	13.801	0.000	89	214587	10.0	10.5	
60 1,4-Dioxane	88	13.854	13.860	-0.006	95	81620	10.0	9.84	
61 Dibromomethane	174	13.870	13.876	-0.006	92	191301	10.0	9.68	
62 Dichlorobromomethane	83	14.180	14.180	0.000	99	484350	10.0	10.3	
A 63 TVOC as Toluene	1	14.882	(2.994-26.769)		0	110912470	10.0	2768.7	
64 cis-1,3-Dichloropropene	75	15.124	15.130	-0.006	94	353060	10.0	10.3	
65 4-Methyl-2-pentanone (MIBK	43	15.429	15.434	-0.005	97	437517	10.0	9.52	
A 67 Toluene Range	1	15.712	(15.672-15.752)		0	1648836	NC	NC	
66 Toluene	92	15.717	15.712	0.005	94	404816	10.0	9.79	
68 n-Octane	43	15.770	15.770	0.000	92	470751	10.0	9.97	
A 69 C8 Range	1	16.000	(15.769-16.270)		0	1912029	NC	NC	
70 trans-1,3-Dichloropropene	75	16.331	16.331	0.000	96	380510	10.0	9.67	
71 1,1,2-Trichloroethane	83	16.704	16.704	0.000	94	219711	10.0	9.88	
72 Tetrachloroethene	166	16.790	16.790	0.000	92	299495	10.0	9.43	
73 2-Hexanone	43	17.168	17.163	0.005	96	430394	10.0	9.24	
74 Chlorodibromomethane	129	17.462	17.462	0.000	97	441464	10.0	9.79	
75 Ethylene Dibromide	107	17.729	17.729	0.000	99	395332	10.0	9.91	
* 76 Chlorobenzene-d5	117	18.625	18.620	0.005	90	730439	10.0	10.0	
77 Chlorobenzene	112	18.684	18.684	0.000	91	518513	10.0	9.53	
78 Ethylbenzene	91	18.834	18.834	0.000	99	903604	10.0	9.80	
79 n-Nonane	57	18.956	18.956	0.000	89	466255	10.0	9.88	
81 m-Xylene & p-Xylene	106	19.084	19.084	0.000	98	651345	20.0	19.0	
83 o-Xylene	106	19.922	19.922	0.000	92	340859	10.0	9.54	
84 Styrene	104	19.976	19.976	0.000	94	496823	10.0	9.71	
S 82 Xylenes, Total	106				0		30.0	28.5	
85 Bromoform	173	20.397	20.392	0.005	94	404781	10.0	9.78	
86 Isopropylbenzene	105	20.595	20.595	0.000	98	971389	10.0	9.65	
$ 87 4-Bromofluorobenzene	95	20.963	20.963	0.000	82	591081	NC	NC	
88 1,1,2,2-Tetrachloroethane	83	21.251	21.251	0.000	97	562262	10.0	9.81	
90 N-Propylbenzene	91	21.310	21.310	0.000	98	1219055	10.0	9.85	
89 1,2,3-Trichloropropane	75	21.342	21.342	0.000	98	465346	10.0	9.88	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
93 n-Decane	57	21.475	21.475	0.000	88	551025	10.0	10.2	
91 4-Ethyltoluene	105	21.497	21.497	0.000	96	933814	10.0	9.91	
92 2-Chlorotoluene	91	21.502	21.502	0.000	95	841293	10.0	9.58	
94 1,3,5-Trimethylbenzene	105	21.603	21.603	0.000	92	844795	10.0	9.79	
95 Alpha Methyl Styrene	118	21.966	21.966	0.000	86	410740	10.0	10.7	
96 tert-Butylbenzene	119	22.084	22.084	0.000	96	766525	10.0	9.67	
97 1,2,4-Trimethylbenzene	105	22.180	22.180	0.000	99	842180	10.0	9.80	
98 sec-Butylbenzene	105	22.404	22.404	0.000	97	1151786	10.0	9.69	
99 4-Isopropyltoluene	119	22.607	22.607	0.000	95	947159	10.0	9.78	
100 1,3-Dichlorobenzene	146	22.633	22.633	0.000	92	521312	10.0	9.56	
101 1,4-Dichlorobenzene	146	22.772	22.772	0.000	91	540182	10.0	9.70	
102 Benzyl chloride	91	22.970	22.970	0.000	98	708520	10.0	9.30	
103 n-Butylbenzene	91	23.172	23.173	-0.001	99	968842	10.0	10.2	
104 Undecane	57	23.194	23.194	0.000	94	642117	10.0	11.1	
105 1,2-Dichlorobenzene	146	23.301	23.301	0.000	92	515288	10.0	9.61	
106 Dodecane	57	24.774	24.774	0.000	95	618089	10.0	13.8	
107 1,2,4-Trichlorobenzene	180	25.798	25.798	0.000	93	362230	10.0	11.4	
108 Hexachlorobutadiene	225	25.980	25.980	0.000	90	374415	10.0	10.7	
109 Naphthalene	128	26.284	26.289	-0.005	99	795211	10.0	11.1	
110 1,2,3-Trichlorobenzene	180	26.759	26.759	0.000	94	301711	10.0	13.3	

QC Flag Legend

Processing Flags
NC - Not Calibrated

Reagents:

ATTO15LCSW_00387	Amount Added: 200.00	Units: mL	
ATTO15CISs_00006	Amount Added: 20.00	Units: mL	Run Reagent

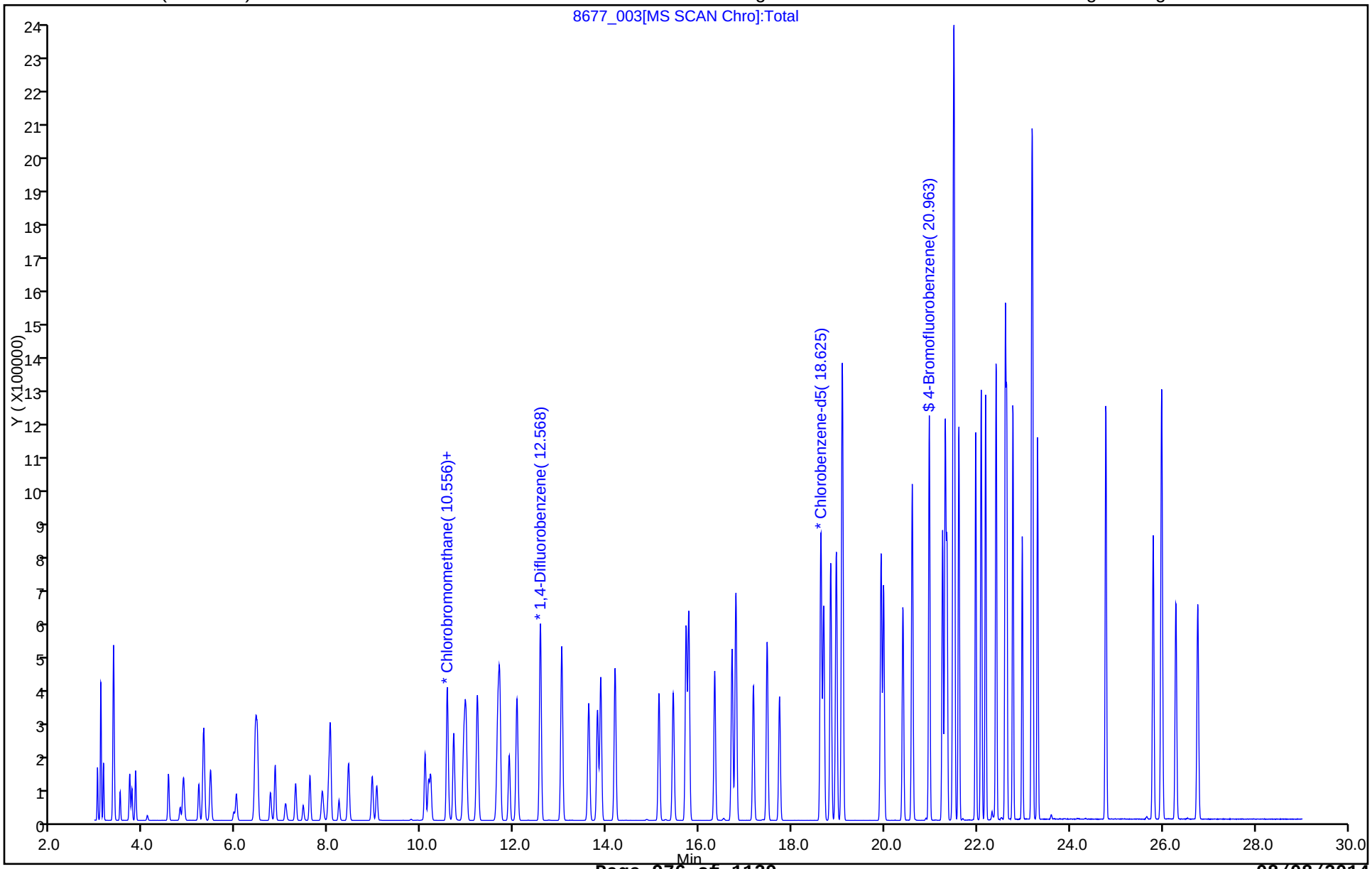
Report Date: 23-Jul-2014 11:10:40 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140723-8677.b\8677_003.D

Injection Date:	23-Jul-2014 10:22:30	Instrument ID:	CHC.i	Operator ID:	bpl
Lims ID:	lcs			Worklist Smp#:	3
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
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 I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 200-75599/4

Matrix: Air Lab File ID: 8834_004.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 08/04/2014 11:25

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.: 75599 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	11.1		0.50	0.030
75-45-6	Freon 22	86.47	11.0		0.50	0.048
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	11.6		0.20	0.035
74-87-3	Chloromethane	50.49	10.2		0.50	0.14
106-97-8	n-Butane	58.12	9.30		0.50	0.28
75-01-4	Vinyl chloride	62.50	9.38		0.20	0.038
106-99-0	1,3-Butadiene	54.09	8.97		0.20	0.042
74-83-9	Bromomethane	94.94	8.42		0.20	0.028
75-00-3	Chloroethane	64.52	8.07		0.50	0.030
593-60-2	Bromoethene(Vinyl Bromide)	106.96	8.12		0.20	0.030
75-69-4	Trichlorofluoromethane	137.37	9.74		0.20	0.030
76-13-1	Freon TF	187.38	10.0		0.20	0.018
75-35-4	1,1-Dichloroethene	96.94	9.55		0.20	0.024
67-64-1	Acetone	58.08	12.0		5.0	1.3
67-63-0	Isopropyl alcohol	60.10	8.94		5.0	0.22
75-15-0	Carbon disulfide	76.14	10.0		0.50	0.066
107-05-1	3-Chloropropene	76.53	8.81		0.50	0.034
75-09-2	Methylene Chloride	84.93	10.3		0.50	0.13
75-65-0	tert-Butyl alcohol	74.12	9.54		5.0	0.33
1634-04-4	Methyl tert-butyl ether	88.15	9.90		0.20	0.022
156-60-5	trans-1,2-Dichloroethene	96.94	10.3		0.20	0.029
110-54-3	n-Hexane	86.17	10.2		0.20	0.034
75-34-3	1,1-Dichloroethane	98.96	9.85		0.20	0.038
78-93-3	Methyl Ethyl Ketone	72.11	9.06		0.50	0.24
156-59-2	cis-1,2-Dichloroethene	96.94	9.04		0.20	0.038
540-59-0	1,2-Dichloroethene, Total	96.94	19.3		0.20	0.064
67-66-3	Chloroform	119.38	9.84		0.20	0.025
109-99-9	Tetrahydrofuran	72.11	9.91		5.0	0.046
71-55-6	1,1,1-Trichloroethane	133.41	10.1		0.20	0.021
110-82-7	Cyclohexane	84.16	9.33		0.20	0.025
56-23-5	Carbon tetrachloride	153.81	10.1		0.20	0.021
540-84-1	2,2,4-Trimethylpentane	114.23	9.58		0.20	0.027
71-43-2	Benzene	78.11	9.31		0.20	0.019
107-06-2	1,2-Dichloroethane	98.96	11.0		0.20	0.017

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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 200-75599/4

Matrix: Air Lab File ID: 8834_004.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 08/04/2014 11:25

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.: 75599 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
142-82-5	n-Heptane	100.21	10.1		0.20	0.046
79-01-6	Trichloroethene	131.39	10.4		0.20	0.024
80-62-6	Methyl methacrylate	100.12	10.8		0.50	0.030
78-87-5	1,2-Dichloropropane	112.99	10.6		0.20	0.032
123-91-1	1,4-Dioxane	88.11	10.0		5.0	0.20
75-27-4	Bromodichloromethane	163.83	10.9		0.20	0.017
10061-01-5	cis-1,3-Dichloropropene	110.97	10.7		0.20	0.028
108-10-1	methyl isobutyl ketone	100.16	10.6		0.50	0.027
108-88-3	Toluene	92.14	9.72		0.20	0.017
10061-02-6	trans-1,3-Dichloropropene	110.97	9.91		0.20	0.022
79-00-5	1,1,2-Trichloroethane	133.41	10.2		0.20	0.017
127-18-4	Tetrachloroethene	165.83	8.83		0.20	0.016
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	10.2		0.50	0.20
124-48-1	Dibromochloromethane	208.29	9.77		0.20	0.020
106-93-4	1,2-Dibromoethane	187.87	9.90		0.20	0.020
108-90-7	Chlorobenzene	112.56	9.24		0.20	0.0081
100-41-4	Ethylbenzene	106.17	9.90		0.20	0.013
179601-23-1	m,p-Xylene	106.17	18.6		0.50	0.023
95-47-6	Xylene, o-	106.17	9.29		0.20	0.016
1330-20-7	Xylene (total)	106.17	27.9		0.20	0.034
100-42-5	Styrene	104.15	9.61		0.20	0.018
75-25-2	Bromoform	252.75	9.19		0.20	0.010
98-82-8	Cumene	120.19	9.50		0.20	0.016
79-34-5	1,1,2,2-Tetrachloroethane	167.85	10.2		0.20	0.016
103-65-1	n-Propylbenzene	120.19	9.94		0.20	0.080
622-96-8	4-Ethyltoluene	120.20	9.70		0.20	0.018
108-67-8	1,3,5-Trimethylbenzene	120.20	9.73		0.20	0.012
95-49-8	2-Chlorotoluene	126.59	9.78		0.20	0.013
98-06-6	tert-Butylbenzene	134.22	9.43		0.20	0.017
95-63-6	1,2,4-Trimethylbenzene	120.20	9.86		0.20	0.014
135-98-8	sec-Butylbenzene	134.22	9.67		0.20	0.080
99-87-6	4-Isopropyltoluene	134.22	9.63		0.20	0.080
541-73-1	1,3-Dichlorobenzene	147.00	9.05		0.20	0.014
106-46-7	1,4-Dichlorobenzene	147.00	9.09		0.20	0.014

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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 200-75599/4

Matrix: Air Lab File ID: 8834_004.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 08/04/2014 11:25

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.: 75599 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	8.21		0.20	0.080
104-51-8	n-Butylbenzene	134.22	10.3		0.20	0.080
95-50-1	1,2-Dichlorobenzene	147.00	9.16		0.20	0.014
120-82-1	1,2,4-Trichlorobenzene	181.45	9.33		0.50	0.027
87-68-3	Hexachlorobutadiene	260.76	9.85		0.20	0.022
91-20-3	Naphthalene	128.17	9.33		0.50	0.20

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140804-8834.b\8834_004.D
Lims ID: lcs
Client ID:
Sample Type: LCS
Inject. Date: 04-Aug-2014 11:25:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0008834-004
Misc. Info.: lcs
Operator ID: wrd Instrument ID: CHC.i

Method: \\BTV-LIMS1\ChromData\CHC.i\20140804-8834.b\TO15_LLNJ_TO3_CHC.m
Limit Group: AI_TO15_ICAL
Last Update: 04-Aug-2014 13:40:38 Calib Date: 18-Jul-2014 09:36:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\8605_018.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK036

First Level Reviewer: desjardinsb Date: 04-Aug-2014 13:40:38

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	3.004	3.004	0.000	96	60035	10.0	10.2	
2 Dichlorodifluoromethane	85	3.074	3.074	0.000	99	347544	10.0	11.1	
6 Chlorodifluoromethane	51	3.132	3.132	0.000	96	154161	10.0	11.0	
7 1,2-Dichloro-1,1,2,2-tetra	85	3.351	3.351	0.000	96	313372	10.0	11.6	
8 Chloromethane	50	3.490	3.490	0.000	99	75592	10.0	10.2	
9 Butane	43	3.698	3.698	0.000	96	112023	10.0	9.30	
10 Vinyl chloride	62	3.746	3.746	0.000	98	85237	10.0	9.38	
11 Butadiene	54	3.826	3.826	0.000	93	61231	10.0	8.97	
18 BFB									
12 Bromomethane	94	4.536	4.536	0.000	97	78179	10.0	8.42	
13 Chloroethane	64	4.787	4.787	0.000	100	31975	10.0	8.07	
14 2-Methylbutane	43	4.851	4.851	0.000	90	65028	10.0	8.83	
15 Vinyl bromide	106	5.187	5.187	0.000	97	74205	10.0	8.12	
16 Trichlorofluoromethane	101	5.294	5.294	0.000	99	325155	10.0	9.74	
17 Pentane	43	5.443	5.443	0.000	94	130914	10.0	10.6	
19 Ethanol	45	5.950	5.950	0.000	97	41869	15.0	17.1	
21 Ethyl ether	59	5.998	5.998	0.000	91	59454	10.0	11.3	
22 Acrolein	56	6.404	6.404	0.000	42	24144	10.0	10.7	
23 1,1,2-Trichloro-1,2,2-trif	101	6.415	6.415	0.000	97	186709	10.0	10.0	
24 1,1-Dichloroethene	96	6.452	6.452	0.000	99	83842	10.0	9.55	
25 Acetone	43	6.735	6.735	0.000	85	145917	10.0	12.0	
26 Carbon disulfide	76	6.836	6.836	0.000	100	258480	10.0	10.0	
27 Isopropyl alcohol	45	7.066	7.066	0.000	97	86654	10.0	8.94	
29 3-Chloro-1-propene	41	7.279	7.279	0.000	87	81312	10.0	8.81	
30 Acetonitrile	41	7.445	7.445	0.000	97	50444	10.0	10.7	
31 Methylene Chloride	49	7.589	7.589	0.000	93	88253	10.0	10.3	
32 2-Methyl-2-propanol	59	7.856	7.856	0.000	99	152533	10.0	9.54	
33 Methyl tert-butyl ether	73	8.000	8.000	0.000	95	256178	10.0	9.90	
34 trans-1,2-Dichloroethene	61	8.026	8.026	0.000	94	125129	10.0	10.3	
35 Acrylonitrile	53	8.219	8.219	0.000	94	50557	10.0	10.1	
36 Hexane	57	8.416	8.416	0.000	90	114499	10.0	10.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
37 1,1-Dichloroethane	63	8.928	8.928	0.000	100	160659	10.0	9.85	
38 Vinyl acetate	43	9.030	9.030	0.000	99	193033	10.0	9.53	
39 cis-1,2-Dichloroethene	96	10.076	10.076	0.000	97	105173	10.0	9.04	
40 2-Butanone (MEK)	72	10.145	10.145	0.000	99	48519	10.0	9.06	
42 Ethyl acetate	88	10.188	10.188	0.000	99	7870	10.0	9.56	
S 41 1,2-Dichloroethene, Total	61				0		20.0	19.3	
* 43 Chlorobromomethane	128	10.545	10.545	0.000	88	100802	10.0	10.0	
44 Tetrahydrofuran	42	10.561	10.561	0.000	88	98021	10.0	9.91	
45 Chloroform	83	10.690	10.690	0.000	99	268373	10.0	9.84	
46 Cyclohexane	84	10.914	10.914	0.000	93	140842	10.0	9.33	
47 1,1,1-Trichloroethane	97	10.951	10.951	0.000	97	317291	10.0	10.1	
48 Carbon tetrachloride	117	11.197	11.197	0.000	100	342821	10.0	10.1	
51 Isooctane	57	11.650	11.650	0.000	98	569845	10.0	9.58	
50 Benzene	78	11.688	11.688	0.000	97	356766	10.0	9.31	
52 1,2-Dichloroethane	62	11.890	11.890	0.000	99	239390	10.0	11.0	
53 n-Heptane	43	12.050	12.050	0.000	94	239100	10.0	10.1	
* 54 1,4-Difluorobenzene	114	12.557	12.557	0.000	96	604562	10.0	10.0	
55 n-Butanol	56	13.000	13.000	0.000	92	72797	10.0	9.56	
56 Trichloroethene	95	13.022	13.022	0.000	92	218928	10.0	10.4	
A 57 GRO	1	13.160	(4.841-21.480)		0	52235711	10.0	0	
58 1,2-Dichloropropane	63	13.603	13.603	0.000	88	202299	10.0	10.6	
59 Methyl methacrylate	69	13.790	13.790	0.000	91	188829	10.0	10.8	
60 1,4-Dioxane	88	13.854	13.854	0.000	98	70890	10.0	10.0	
61 Dibromomethane	174	13.865	13.865	0.000	87	155830	10.0	9.23	
62 Dichlorobromomethane	83	14.175	14.175	0.000	100	440696	10.0	10.9	
A 63 TVOC as Toluene	1	14.879	(2.994-26.764)		0	96589668	10.0	2821.7	
64 cis-1,3-Dichloropropene	75	15.119	15.119	0.000	95	313252	10.0	10.7	
65 4-Methyl-2-pentanone (MIBK	43	15.429	15.429	0.000	98	415909	10.0	10.6	
66 Toluene	92	15.706	15.706	0.000	94	345055	10.0	9.72	
A 67 Toluene Range	1	15.706	(15.666-15.746)		0	1475376	NC	NC	
68 n-Octane	43	15.765	15.765	0.000	93	446556	10.0	11.1	
A 69 C8 Range	1	15.992	(15.764-16.265)		0	1729435	NC	NC	
70 trans-1,3-Dichloropropene	75	16.325	16.325	0.000	97	333308	10.0	9.91	
71 1,1,2-Trichloroethane	83	16.699	16.699	0.000	93	194941	10.0	10.2	
72 Tetrachloroethene	166	16.784	16.784	0.000	88	240580	10.0	8.83	
73 2-Hexanone	43	17.158	17.158	0.000	97	407567	10.0	10.2	
74 Chlorodibromomethane	129	17.457	17.457	0.000	97	377979	10.0	9.77	
75 Ethylene Dibromide	107	17.724	17.724	0.000	98	338622	10.0	9.90	
* 76 Chlorobenzene-d5	117	18.615	18.615	0.000	92	626716	10.0	10.0	
77 Chlorobenzene	112	18.674	18.674	0.000	88	431224	10.0	9.24	
78 Ethylbenzene	91	18.828	18.828	0.000	99	783086	10.0	9.90	
79 n-Nonane	57	18.946	18.946	0.000	91	425237	10.0	10.5	
81 m-Xylene & p-Xylene	106	19.079	19.079	0.000	97	546926	20.0	18.6	
83 o-Xylene	106	19.912	19.912	0.000	91	284769	10.0	9.29	
84 Styrene	104	19.970	19.970	0.000	90	421966	10.0	9.61	
S 82 Xylenes, Total	106				0		30.0	27.9	
85 Bromoform	173	20.387	20.387	0.000	95	326169	10.0	9.19	
86 Isopropylbenzene	105	20.589	20.589	0.000	98	820529	10.0	9.50	
$ 87 4-Bromofluorobenzene	95	20.958	20.958	0.000	79	519366	NC	NC	
88 1,1,2,2-Tetrachloroethane	83	21.246	21.246	0.000	97	499170	10.0	10.2	
90 N-Propylbenzene	91	21.299	21.299	0.000	98	1055157	10.0	9.94	
89 1,2,3-Trichloropropane	75	21.337	21.337	0.000	97	415006	10.0	10.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
93 n-Decane	57	21.470	21.470	0.000	89	506307	10.0	10.9	
91 4-Ethyltoluene	105	21.491	21.491	0.000	97	784463	10.0	9.70	
92 2-Chlorotoluene	91	21.497	21.497	0.000	95	737124	10.0	9.78	
94 1,3,5-Trimethylbenzene	105	21.598	21.598	0.000	91	720765	10.0	9.73	
95 Alpha Methyl Styrene	118	21.961	21.961	0.000	87	335332	10.0	10.2	
96 tert-Butylbenzene	119	22.078	22.078	0.000	89	641352	10.0	9.43	
97 1,2,4-Trimethylbenzene	105	22.175	22.175	0.000	98	727040	10.0	9.86	
98 sec-Butylbenzene	105	22.399	22.399	0.000	97	986718	10.0	9.67	
99 4-Isopropyltoluene	119	22.601	22.601	0.000	95	800540	10.0	9.63	
100 1,3-Dichlorobenzene	146	22.628	22.628	0.000	91	423478	10.0	9.05	
101 1,4-Dichlorobenzene	146	22.767	22.767	0.000	90	434445	10.0	9.09	
102 Benzyl chloride	91	22.964	22.964	0.000	97	536530	10.0	8.21	
103 n-Butylbenzene	91	23.167	23.167	0.000	98	838653	10.0	10.3	
104 Undecane	57	23.189	23.189	0.000	95	589070	10.0	11.9	
105 1,2-Dichlorobenzene	146	23.295	23.295	0.000	91	421436	10.0	9.16	
106 Dodecane	57	24.768	24.768	0.000	96	478657	10.0	12.5	
107 1,2,4-Trichlorobenzene	180	25.793	25.793	0.000	92	255290	10.0	9.33	
108 Hexachlorobutadiene	225	25.974	25.974	0.000	89	296462	10.0	9.85	
109 Naphthalene	128	26.279	26.279	0.000	98	572901	10.0	9.33	
110 1,2,3-Trichlorobenzene	180	26.754	26.754	0.000	93	199835	10.0	10.3	

QC Flag Legend

Processing Flags
NC - Not Calibrated

Reagents:

ATTO15LCSW_00394	Amount Added: 200.00	Units: mL	
ATTO15CISs_00006	Amount Added: 20.00	Units: mL	Run Reagent

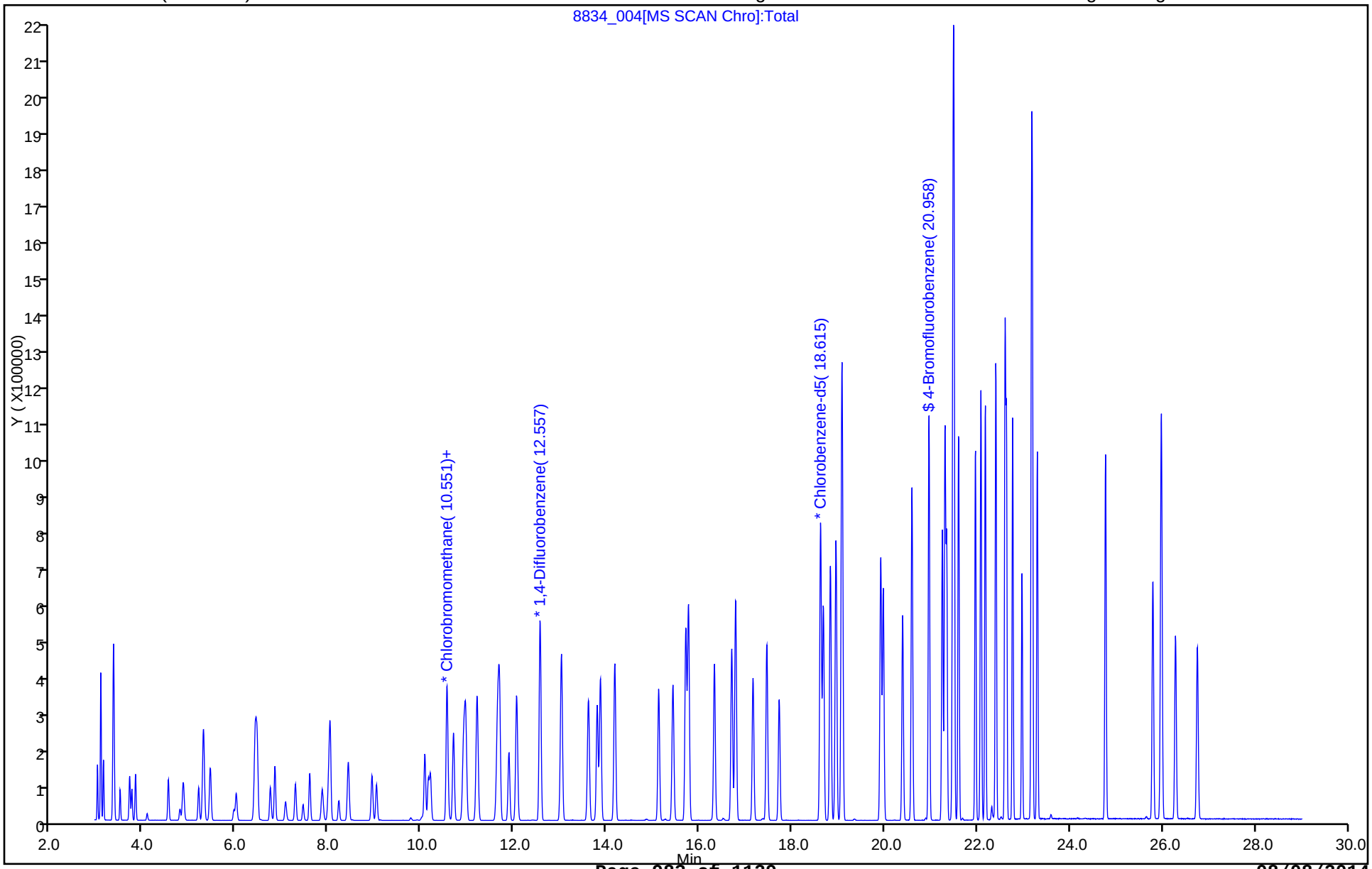
Report Date: 04-Aug-2014 13:40:38 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140804-8834.b\8834_004.D

Injection Date:	04-Aug-2014 11:25:30	Instrument ID:	CHC.i	Operator ID:	wrd
Lims ID:	lcs			Worklist Smp#:	4
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
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 I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 200-75651/4

Matrix: Air Lab File ID: 8862_004.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 08/05/2014 12:03

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.: 75651 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	11.2		0.50	0.030
75-45-6	Freon 22	86.47	11.3		0.50	0.048
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	11.7		0.20	0.035
74-87-3	Chloromethane	50.49	10.5		0.50	0.14
106-97-8	n-Butane	58.12	9.35		0.50	0.28
75-01-4	Vinyl chloride	62.50	9.36		0.20	0.038
106-99-0	1,3-Butadiene	54.09	9.21		0.20	0.042
74-83-9	Bromomethane	94.94	8.42		0.20	0.028
75-00-3	Chloroethane	64.52	7.98		0.50	0.030
593-60-2	Bromoethene(Vinyl Bromide)	106.96	7.98		0.20	0.030
75-69-4	Trichlorofluoromethane	137.37	9.89		0.20	0.030
76-13-1	Freon TF	187.38	9.96		0.20	0.018
75-35-4	1,1-Dichloroethene	96.94	9.84		0.20	0.024
67-64-1	Acetone	58.08	12.3		5.0	1.3
67-63-0	Isopropyl alcohol	60.10	9.04		5.0	0.22
75-15-0	Carbon disulfide	76.14	10.0		0.50	0.066
107-05-1	3-Chloropropene	76.53	9.01		0.50	0.034
75-09-2	Methylene Chloride	84.93	10.1		0.50	0.13
75-65-0	tert-Butyl alcohol	74.12	9.65		5.0	0.33
1634-04-4	Methyl tert-butyl ether	88.15	9.81		0.20	0.022
156-60-5	trans-1,2-Dichloroethene	96.94	10.4		0.20	0.029
110-54-3	n-Hexane	86.17	10.4		0.20	0.034
75-34-3	1,1-Dichloroethane	98.96	9.98		0.20	0.038
78-93-3	Methyl Ethyl Ketone	72.11	9.23		0.50	0.24
156-59-2	cis-1,2-Dichloroethene	96.94	9.17		0.20	0.038
540-59-0	1,2-Dichloroethene, Total	96.94	19.6		0.20	0.064
67-66-3	Chloroform	119.38	10.1		0.20	0.025
109-99-9	Tetrahydrofuran	72.11	9.95		5.0	0.046
71-55-6	1,1,1-Trichloroethane	133.41	10.0		0.20	0.021
110-82-7	Cyclohexane	84.16	9.16		0.20	0.025
56-23-5	Carbon tetrachloride	153.81	10.0		0.20	0.021
540-84-1	2,2,4-Trimethylpentane	114.23	9.67		0.20	0.027
71-43-2	Benzene	78.11	9.38		0.20	0.019
107-06-2	1,2-Dichloroethane	98.96	11.1		0.20	0.017

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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 200-75651/4

Matrix: Air Lab File ID: 8862_004.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 08/05/2014 12:03

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.: 75651 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
142-82-5	n-Heptane	100.21	10.4		0.20	0.046
79-01-6	Trichloroethene	131.39	10.5		0.20	0.024
80-62-6	Methyl methacrylate	100.12	10.9		0.50	0.030
78-87-5	1,2-Dichloropropane	112.99	10.6		0.20	0.032
123-91-1	1,4-Dioxane	88.11	9.99		5.0	0.20
75-27-4	Bromodichloromethane	163.83	10.8		0.20	0.017
10061-01-5	cis-1,3-Dichloropropene	110.97	10.6		0.20	0.028
108-10-1	methyl isobutyl ketone	100.16	10.6		0.50	0.027
108-88-3	Toluene	92.14	9.71		0.20	0.017
10061-02-6	trans-1,3-Dichloropropene	110.97	9.90		0.20	0.022
79-00-5	1,1,2-Trichloroethane	133.41	10.3		0.20	0.017
127-18-4	Tetrachloroethene	165.83	8.86		0.20	0.016
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	10.3		0.50	0.20
124-48-1	Dibromochloromethane	208.29	9.87		0.20	0.020
106-93-4	1,2-Dibromoethane	187.87	9.93		0.20	0.020
108-90-7	Chlorobenzene	112.56	9.22		0.20	0.0081
100-41-4	Ethylbenzene	106.17	9.91		0.20	0.013
179601-23-1	m,p-Xylene	106.17	18.6		0.50	0.023
95-47-6	Xylene, o-	106.17	9.25		0.20	0.016
1330-20-7	Xylene (total)	106.17	27.9		0.20	0.034
100-42-5	Styrene	104.15	9.62		0.20	0.018
75-25-2	Bromoform	252.75	9.35		0.20	0.010
98-82-8	Cumene	120.19	9.60		0.20	0.016
79-34-5	1,1,2,2-Tetrachloroethane	167.85	10.3		0.20	0.016
103-65-1	n-Propylbenzene	120.19	10.1		0.20	0.080
622-96-8	4-Ethyltoluene	120.20	9.82		0.20	0.018
108-67-8	1,3,5-Trimethylbenzene	120.20	9.81		0.20	0.012
95-49-8	2-Chlorotoluene	126.59	9.87		0.20	0.013
98-06-6	tert-Butylbenzene	134.22	9.52		0.20	0.017
95-63-6	1,2,4-Trimethylbenzene	120.20	9.89		0.20	0.014
135-98-8	sec-Butylbenzene	134.22	9.82		0.20	0.080
99-87-6	4-Isopropyltoluene	134.22	9.73		0.20	0.080
541-73-1	1,3-Dichlorobenzene	147.00	9.04		0.20	0.014
106-46-7	1,4-Dichlorobenzene	147.00	9.13		0.20	0.014

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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 200-75651/4

Matrix: Air Lab File ID: 8862_004.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 08/05/2014 12:03

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.: 75651 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	8.28		0.20	0.080
104-51-8	n-Butylbenzene	134.22	10.5		0.20	0.080
95-50-1	1,2-Dichlorobenzene	147.00	9.19		0.20	0.014
120-82-1	1,2,4-Trichlorobenzene	181.45	9.08		0.50	0.027
87-68-3	Hexachlorobutadiene	260.76	9.80		0.20	0.022
91-20-3	Naphthalene	128.17	9.10		0.50	0.20

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140805-8862.b\8862_004.D
Lims ID: lcs
Client ID:
Sample Type: LCS
Inject. Date: 05-Aug-2014 12:03:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0008862-004
Misc. Info.: lcs
Operator ID: wrd Instrument ID: CHC.i

Method: \\BTV-LIMS1\ChromData\CHC.i\20140805-8862.b\TO15_LLNJ_TO3_CHC.m
Limit Group: AI_TO15_ICAL
Last Update: 05-Aug-2014 13:43:34 Calib Date: 18-Jul-2014 09:36:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\8605_018.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK010

First Level Reviewer: desjardinsb Date: 05-Aug-2014 13:43:34

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	2.999	2.999	0.000	95	59407	10.0	10.3	
2 Dichlorodifluoromethane	85	3.074	3.074	0.000	88	340767	10.0	11.2	
6 Chlorodifluoromethane	51	3.127	3.127	0.000	75	154439	10.0	11.3	
7 1,2-Dichloro-1,1,2,2-tetra	85	3.346	3.346	0.000	95	307913	10.0	11.7	
8 Chloromethane	50	3.490	3.490	0.000	99	76292	10.0	10.5	
9 Butane	43	3.698	3.698	0.000	96	110081	10.0	9.35	
10 Vinyl chloride	62	3.741	3.741	0.000	82	83154	10.0	9.36	
11 Butadiene	54	3.821	3.821	0.000	93	61442	10.0	9.21	
12 Bromomethane	94	4.531	4.531	0.000	91	76392	10.0	8.42	
18 BFB									
13 Chloroethane	64	4.782	4.782	0.000	94	30925	10.0	7.98	
14 2-Methylbutane	43	4.851	4.851	0.000	90	60960	10.0	8.47	
15 Vinyl bromide	106	5.187	5.187	0.000	94	71237	10.0	7.98	
16 Trichlorofluoromethane	101	5.289	5.289	0.000	98	322589	10.0	9.89	
17 Pentane	43	5.438	5.438	0.000	94	130082	10.0	10.8	
19 Ethanol	45	5.945	5.945	0.000	90	39608	15.0	16.6	
21 Ethyl ether	59	5.998	5.998	0.000	80	58403	10.0	11.4	
22 Acrolein	56	6.404	6.404	0.000	44	23326	10.0	10.6	
23 1,1,2-Trichloro-1,2,2-trif	101	6.415	6.415	0.000	96	181775	10.0	9.96	
24 1,1-Dichloroethene	96	6.452	6.452	0.000	100	84418	10.0	9.84	
25 Acetone	43	6.735	6.735	0.000	77	146128	10.0	12.3	
26 Carbon disulfide	76	6.836	6.836	0.000	99	253131	10.0	10.0	
27 Isopropyl alcohol	45	7.060	7.060	0.000	96	85535	10.0	9.04	
29 3-Chloro-1-propene	41	7.279	7.279	0.000	86	81316	10.0	9.01	
30 Acetonitrile	41	7.439	7.439	0.000	95	50557	10.0	11.0	
31 Methylene Chloride	49	7.583	7.583	0.000	89	84902	10.0	10.1	
32 2-Methyl-2-propanol	59	7.856	7.856	0.000	98	150703	10.0	9.65	
33 Methyl tert-butyl ether	73	8.005	8.005	0.000	95	248046	10.0	9.81	
34 trans-1,2-Dichloroethene	61	8.026	8.026	0.000	94	123931	10.0	10.4	
35 Acrylonitrile	53	8.213	8.213	0.000	96	50099	10.0	10.2	
36 Hexane	57	8.421	8.421	0.000	90	113403	10.0	10.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
37 1,1-Dichloroethane	63	8.928	8.928	0.000	99	159031	10.0	9.98	
38 Vinyl acetate	43	9.030	9.030	0.000	99	192094	10.0	9.70	
39 cis-1,2-Dichloroethene	96	10.070	10.070	0.000	95	104217	10.0	9.17	
40 2-Butanone (MEK)	72	10.145	10.145	0.000	97	48310	10.0	9.23	
42 Ethyl acetate	88	10.188	10.188	0.000	94	8032	10.0	9.98	
S 41 1,2-Dichloroethene, Total	61				0		20.0	19.6	
* 43 Chlorobromomethane	128	10.545	10.545	0.000	85	98496	10.0	10.0	
44 Tetrahydrofuran	42	10.561	10.561	0.000	87	99704	10.0	9.95	
45 Chloroform	83	10.689	10.689	0.000	99	269110	10.0	10.1	
46 Cyclohexane	84	10.908	10.908	0.000	93	140065	10.0	9.16	
47 1,1,1-Trichloroethane	97	10.951	10.951	0.000	95	318573	10.0	10.0	
48 Carbon tetrachloride	117	11.196	11.196	0.000	99	346119	10.0	10.0	
51 Isooctane	57	11.645	11.645	0.000	98	582674	10.0	9.67	
50 Benzene	78	11.682	11.682	0.000	98	363893	10.0	9.38	
52 1,2-Dichloroethane	62	11.885	11.885	0.000	99	243188	10.0	11.1	
53 n-Heptane	43	12.050	12.050	0.000	93	248410	10.0	10.4	
* 54 1,4-Difluorobenzene	114	12.563	12.563	0.000	97	612150	10.0	10.0	
55 n-Butanol	56	13.000	13.000	0.000	66	76965	10.0	9.98	
56 Trichloroethene	95	13.022	13.022	0.000	91	222497	10.0	10.5	
A 57 GRO	1	13.160	(4.841-21.480)		0	52688864	10.0	0	
58 1,2-Dichloropropane	63	13.603	13.603	0.000	88	205080	10.0	10.6	
59 Methyl methacrylate	69	13.790	13.790	0.000	89	192358	10.0	10.9	
60 1,4-Dioxane	88	13.849	13.849	0.000	41	71659	10.0	9.99	
61 Dibromomethane	174	13.865	13.865	0.000	85	154577	10.0	9.04	
62 Dichlorobromomethane	83	14.169	14.169	0.000	99	441788	10.0	10.8	
A 63 TVOC as Toluene	1	14.876	(2.989-26.764)		0	97106443	10.0	2801.7	
64 cis-1,3-Dichloropropene	75	15.119	15.119	0.000	89	313488	10.0	10.6	
65 4-Methyl-2-pentanone (MIBK	43	15.429	15.429	0.000	97	419810	10.0	10.6	
66 Toluene	92	15.706	15.706	0.000	92	344524	10.0	9.71	
A 67 Toluene Range	1	15.706	(15.666-15.746)		0	1711959	NC	NC	
68 n-Octane	43	15.765	15.765	0.000	94	453748	10.0	11.1	
A 69 C8 Range	1	15.989	(15.764-16.265)		0	1627756	NC	NC	
70 trans-1,3-Dichloropropene	75	16.320	16.320	0.000	94	336984	10.0	9.90	
71 1,1,2-Trichloroethane	83	16.699	16.699	0.000	81	197375	10.0	10.3	
72 Tetrachloroethene	166	16.779	16.779	0.000	83	241315	10.0	8.86	
73 2-Hexanone	43	17.158	17.158	0.000	97	409871	10.0	10.3	
74 Chlorodibromomethane	129	17.457	17.457	0.000	97	381608	10.0	9.87	
75 Ethylene Dibromide	107	17.724	17.724	0.000	98	339530	10.0	9.93	
* 76 Chlorobenzene-d5	117	18.615	18.615	0.000	89	626513	10.0	10.0	
77 Chlorobenzene	112	18.673	18.673	0.000	86	430365	10.0	9.22	
78 Ethylbenzene	91	18.828	18.828	0.000	99	783351	10.0	9.91	
79 n-Nonane	57	18.951	18.951	0.000	89	425585	10.0	10.5	
81 m-Xylene & p-Xylene	106	19.079	19.079	0.000	97	548411	20.0	18.6	
83 o-Xylene	106	19.917	19.917	0.000	74	283479	10.0	9.25	
84 Styrene	104	19.970	19.970	0.000	89	422211	10.0	9.62	
S 82 Xylenes, Total	106				0		30.0	27.9	
85 Bromoform	173	20.387	20.387	0.000	92	331930	10.0	9.35	
86 Isopropylbenzene	105	20.589	20.589	0.000	98	829125	10.0	9.60	
$ 87 4-Bromofluorobenzene	95	20.958	20.958	0.000	79	519220	NC	NC	
88 1,1,2,2-Tetrachloroethane	83	21.246	21.246	0.000	93	507679	10.0	10.3	
90 N-Propylbenzene	91	21.299	21.299	0.000	98	1069805	10.0	10.1	
89 1,2,3-Trichloropropane	75	21.337	21.337	0.000	87	422047	10.0	10.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
93 n-Decane	57	21.470	21.470	0.000	89	508618	10.0	10.9	
91 4-Ethyltoluene	105	21.491	21.491	0.000	87	794208	10.0	9.82	
92 2-Chlorotoluene	91	21.497	21.497	0.000	94	743427	10.0	9.87	
94 1,3,5-Trimethylbenzene	105	21.593	21.593	0.000	90	726477	10.0	9.81	
95 Alpha Methyl Styrene	118	21.961	21.961	0.000	82	336744	10.0	10.2	
96 tert-Butylbenzene	119	22.078	22.078	0.000	88	647447	10.0	9.52	
97 1,2,4-Trimethylbenzene	105	22.175	22.175	0.000	98	729366	10.0	9.89	
98 sec-Butylbenzene	105	22.399	22.399	0.000	97	1001230	10.0	9.82	
99 4-Isopropyltoluene	119	22.601	22.601	0.000	91	807896	10.0	9.73	
100 1,3-Dichlorobenzene	146	22.628	22.628	0.000	88	422725	10.0	9.04	
101 1,4-Dichlorobenzene	146	22.762	22.762	0.000	89	435876	10.0	9.13	
102 Benzyl chloride	91	22.964	22.964	0.000	97	541002	10.0	8.28	
103 n-Butylbenzene	91	23.167	23.167	0.000	98	853276	10.0	10.5	
104 Undecane	57	23.189	23.189	0.000	94	599330	10.0	12.1	
105 1,2-Dichlorobenzene	146	23.295	23.295	0.000	90	422969	10.0	9.19	
106 Dodecane	57	24.768	24.768	0.000	96	463872	10.0	12.1	
107 1,2,4-Trichlorobenzene	180	25.793	25.793	0.000	91	248399	10.0	9.08	
108 Hexachlorobutadiene	225	25.974	25.974	0.000	84	295048	10.0	9.80	
109 Naphthalene	128	26.279	26.279	0.000	98	558432	10.0	9.10	
110 1,2,3-Trichlorobenzene	180	26.754	26.754	0.000	92	193257	10.0	9.97	

QC Flag Legend

Processing Flags
NC - Not Calibrated

Reagents:

ATTO15LCSW_00394	Amount Added: 200.00	Units: mL	
ATTO15CISs_00006	Amount Added: 20.00	Units: mL	Run Reagent

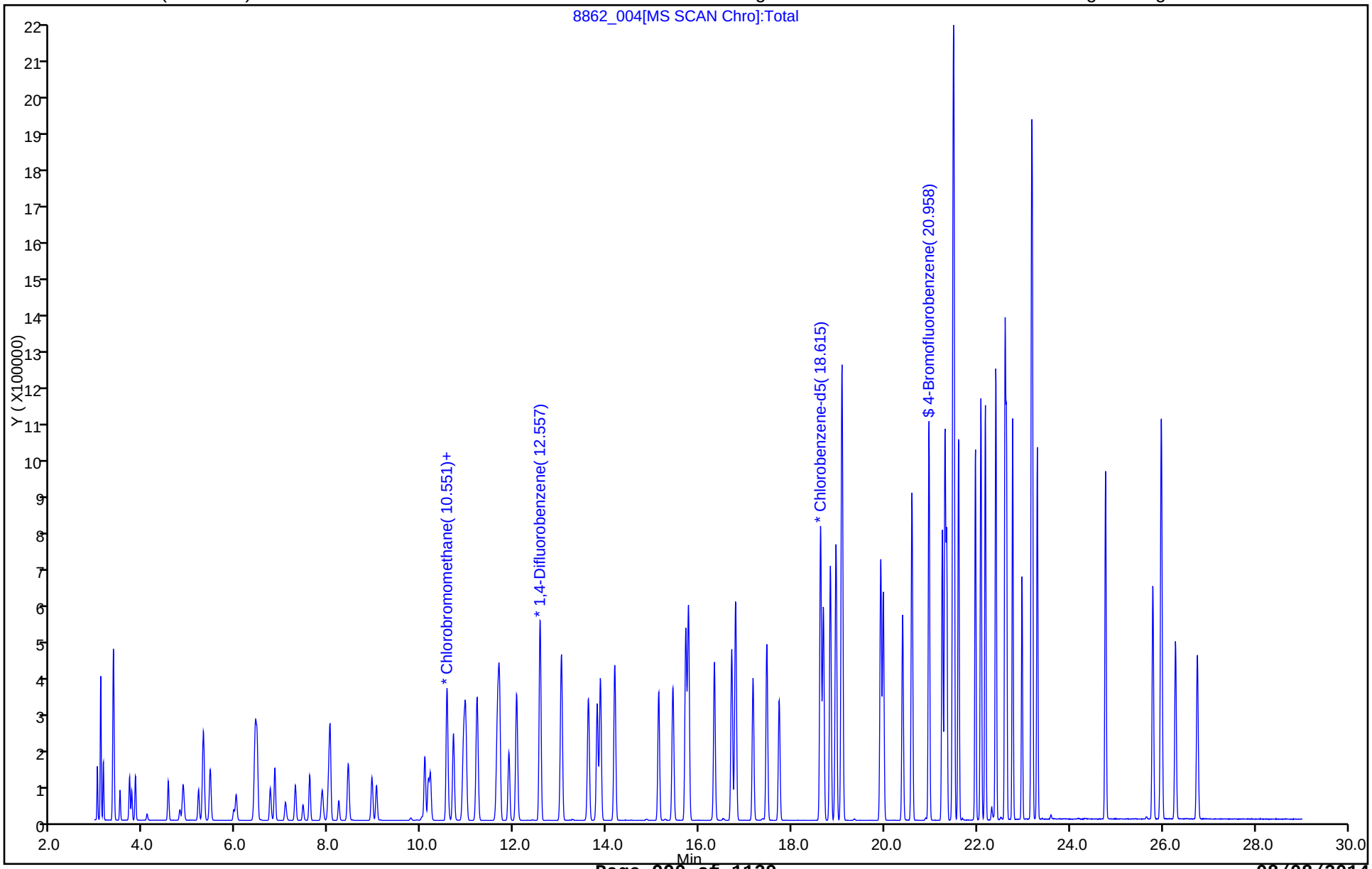
Report Date: 05-Aug-2014 13:43:35 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140805-8862.b\8862_004.D

Injection Date:	05-Aug-2014 12:03:30	Instrument ID:	CHC.i	Operator ID:	wrd
Lims ID:	lcs			Worklist Smp#:	4
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
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 I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 200-75709/3

Matrix: Air Lab File ID: 8889_003.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 08/06/2014 13:16

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.: 75709 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	10.9		0.50	0.030
75-45-6	Freon 22	86.47	10.0		0.50	0.048
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	12.2		0.20	0.035
74-87-3	Chloromethane	50.49	9.46		0.50	0.14
106-97-8	n-Butane	58.12	9.21		0.50	0.28
75-01-4	Vinyl chloride	62.50	9.64		0.20	0.038
106-99-0	1,3-Butadiene	54.09	8.97		0.20	0.042
74-83-9	Bromomethane	94.94	10.1		0.20	0.028
75-00-3	Chloroethane	64.52	10.1		0.50	0.030
593-60-2	Bromoethene(Vinyl Bromide)	106.96	10.7		0.20	0.030
75-69-4	Trichlorofluoromethane	137.37	10.4		0.20	0.030
76-13-1	Freon TF	187.38	10.9		0.20	0.018
75-35-4	1,1-Dichloroethene	96.94	10.7		0.20	0.024
67-64-1	Acetone	58.08	9.51		5.0	1.3
67-63-0	Isopropyl alcohol	60.10	8.49		5.0	0.22
75-15-0	Carbon disulfide	76.14	11.5		0.50	0.066
107-05-1	3-Chloropropene	76.53	8.17		0.50	0.034
75-09-2	Methylene Chloride	84.93	9.52		0.50	0.13
75-65-0	tert-Butyl alcohol	74.12	10.0		5.0	0.33
1634-04-4	Methyl tert-butyl ether	88.15	10.1		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	9.59		0.20	0.034
75-34-3	1,1-Dichloroethane	98.96	10.2		0.20	0.038
78-93-3	Methyl Ethyl Ketone	72.11	9.67		0.50	0.24
156-59-2	cis-1,2-Dichloroethene	96.94	10.6		0.20	0.038
540-59-0	1,2-Dichloroethene, Total	96.94	21.2		0.20	0.064
67-66-3	Chloroform	119.38	10.6		0.20	0.025
109-99-9	Tetrahydrofuran	72.11	9.81		5.0	0.046
71-55-6	1,1,1-Trichloroethane	133.41	10.9		0.20	0.021
110-82-7	Cyclohexane	84.16	10.7		0.20	0.025
56-23-5	Carbon tetrachloride	153.81	11.1		0.20	0.021
540-84-1	2,2,4-Trimethylpentane	114.23	9.90		0.20	0.027
71-43-2	Benzene	78.11	10.7		0.20	0.019
107-06-2	1,2-Dichloroethane	98.96	10.1		0.20	0.017

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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 200-75709/3

Matrix: Air Lab File ID: 8889_003.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 08/06/2014 13:16

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.: 75709 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
142-82-5	n-Heptane	100.21	8.69		0.20	0.046
79-01-6	Trichloroethene	131.39	10.8		0.20	0.024
80-62-6	Methyl methacrylate	100.12	10.6		0.50	0.030
78-87-5	1,2-Dichloropropane	112.99	10.1		0.20	0.032
123-91-1	1,4-Dioxane	88.11	10.2		5.0	0.20
75-27-4	Bromodichloromethane	163.83	11.0		0.20	0.017
10061-01-5	cis-1,3-Dichloropropene	110.97	10.8		0.20	0.028
108-10-1	methyl isobutyl ketone	100.16	9.70		0.50	0.027
108-88-3	Toluene	92.14	10.1		0.20	0.017
10061-02-6	trans-1,3-Dichloropropene	110.97	10.9		0.20	0.022
79-00-5	1,1,2-Trichloroethane	133.41	10.8		0.20	0.017
127-18-4	Tetrachloroethene	165.83	10.8		0.20	0.016
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	9.50		0.50	0.20
124-48-1	Dibromochloromethane	208.29	11.2		0.20	0.020
106-93-4	1,2-Dibromoethane	187.87	11.3		0.20	0.020
108-90-7	Chlorobenzene	112.56	10.9		0.20	0.0081
100-41-4	Ethylbenzene	106.17	11.0		0.20	0.013
179601-23-1	m,p-Xylene	106.17	22.5		0.50	0.023
95-47-6	Xylene, o-	106.17	10.8		0.20	0.016
1330-20-7	Xylene (total)	106.17	33.3		0.20	0.034
100-42-5	Styrene	104.15	11.5		0.20	0.018
75-25-2	Bromoform	252.75	12.1		0.20	0.010
98-82-8	Cumene	120.19	11.2		0.20	0.016
79-34-5	1,1,2,2-Tetrachloroethane	167.85	11.4		0.20	0.016
103-65-1	n-Propylbenzene	120.19	11.5		0.20	0.080
622-96-8	4-Ethyltoluene	120.20	11.8		0.20	0.018
108-67-8	1,3,5-Trimethylbenzene	120.20	11.3		0.20	0.012
95-49-8	2-Chlorotoluene	126.59	11.1		0.20	0.013
98-06-6	tert-Butylbenzene	134.22	11.3		0.20	0.017
95-63-6	1,2,4-Trimethylbenzene	120.20	11.3		0.20	0.014
135-98-8	sec-Butylbenzene	134.22	11.5		0.20	0.080
99-87-6	4-Isopropyltoluene	134.22	11.7		0.20	0.080
541-73-1	1,3-Dichlorobenzene	147.00	11.8		0.20	0.014
106-46-7	1,4-Dichlorobenzene	147.00	11.8		0.20	0.014

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

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 200-75709/3

Matrix: Air Lab File ID: 8889_003.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 08/06/2014 13:16

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.: 75709 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	10.2		0.20	0.080
104-51-8	n-Butylbenzene	134.22	11.9		0.20	0.080
95-50-1	1,2-Dichlorobenzene	147.00	11.6		0.20	0.014
120-82-1	1,2,4-Trichlorobenzene	181.45	10.4		0.50	0.027
87-68-3	Hexachlorobutadiene	260.76	10.5		0.20	0.022
91-20-3	Naphthalene	128.17	8.97		0.50	0.20

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140806-8889.b\8889_003.d
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 06-Aug-2014 13:16:30 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0008889-003
Misc. Info.: LCS
Operator ID: BPL Instrument ID: CHW.i

Method: \\BTV-LIMS1\ChromData\CHW.i\20140806-8889.b\TO15_LLNJ_TO3_W_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 07-Aug-2014 09:53:44 Calib Date: 15-Jun-2014 00:33:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20140613-8058.b\8058_017.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK003

First Level Reviewer: lyonsb Date: 06-Aug-2014 16:11:09

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	4.387	4.397	-0.010	98	278701	10.0	9.00	
2 Dichlorodifluoromethane	85	4.483	4.488	-0.005	98	1348772	10.0	10.9	
6 Chlorodifluoromethane	51	4.547	4.552	-0.005	97	617328	10.0	10.0	
7 1,2-Dichloro-1,1,2,2-tetra	85	4.831	4.841	-0.010	97	1502983	10.0	12.2	
8 Chloromethane	50	5.029	5.034	-0.005	99	345262	10.0	9.46	
9 Butane	43	5.291	5.296	-0.005	98	556949	10.0	9.21	
10 Vinyl chloride	62	5.350	5.355	-0.005	98	437019	10.0	9.64	
11 Butadiene	54	5.446	5.451	-0.005	92	289104	10.0	8.97	
13 BFB									
12 Bromomethane	94	6.307	6.318	-0.011	99	461152	10.0	10.1	
14 Chloroethane	64	6.596	6.596	0.000	98	258927	10.0	10.1	
15 2-Methylbutane	43	6.676	6.681	-0.005	91	471606	10.0	9.84	
16 Vinyl bromide	106	7.072	7.077	-0.005	99	597583	10.0	10.7	
17 Trichlorofluoromethane	101	7.190	7.190	0.000	98	1420396	10.0	10.4	
18 Pentane	43	7.350	7.355	-0.005	98	709274	10.0	10.3	
19 Ethanol	45	7.794	7.799	-0.005	99	220486	15.0	12.6	
21 Ethyl ether	59	7.933	7.939	-0.006	92	335795	10.0	10.9	
22 Acrolein	56	8.399	8.399	0.000	97	138598	10.0	10.6	
23 1,1,2-Trichloro-1,2,2-trif	101	8.436	8.436	0.000	94	1137938	10.0	10.9	
24 1,1-Dichloroethene	96	8.511	8.511	0.000	90	545505	10.0	10.7	
25 Acetone	43	8.736	8.741	-0.005	90	612215	10.0	9.51	
26 Carbon disulfide	76	8.998	8.998	0.000	98	1468740	10.0	11.5	
27 Isopropyl alcohol	45	9.019	9.025	-0.006	98	461010	10.0	8.49	
29 3-Chloro-1-propene	41	9.394	9.399	-0.005	89	400733	10.0	8.17	
30 Acetonitrile	41	9.528	9.527	0.001	100	279535	10.0	10.2	
31 Methylene Chloride	49	9.726	9.731	-0.005	82	420564	10.0	9.52	
32 2-Methyl-2-propanol	59	9.891	9.897	-0.006	99	784581	10.0	10.0	
33 Methyl tert-butyl ether	73	10.143	10.148	-0.005	96	1374808	10.0	10.1	
S 41 1,2-Dichloroethene, Total	61				0		20.0	21.2	
34 trans-1,2-Dichloroethene	61	10.223	10.223	0.000	86	650410	10.0	10.6	
35 Acrylonitrile	53	10.368	10.367	0.001	96	305105	10.0	10.2	

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	10.635	10.640	-0.005	88	713377	10.0	9.59	
37 1,1-Dichloroethane	63	11.186	11.191	-0.005	99	827136	10.0	10.2	
38 Vinyl acetate	43	11.224	11.223	0.001	99	912467	10.0	9.18	
39 cis-1,2-Dichloroethene	96	12.363	12.363	0.000	91	609460	10.0	10.6	
40 2-Butanone (MEK)	72	12.368	12.373	-0.005	100	262770	10.0	9.67	
42 Ethyl acetate	88	12.390	12.395	-0.005	98	52918	10.0	11.6	
44 Tetrahydrofuran	42	12.834	12.834	0.000	87	417864	10.0	9.81	
* 43 Chlorobromomethane	128	12.845	12.844	0.001	73	421705	10.0	10.0	
45 Chloroform	83	12.952	12.957	-0.005	99	1062825	10.0	10.6	
46 Cyclohexane	84	13.251	13.251	0.000	84	795615	10.0	10.7	
47 1,1,1-Trichloroethane	97	13.262	13.262	0.000	97	1159362	10.0	10.9	
48 Carbon tetrachloride	117	13.519	13.518	0.001	96	1295924	10.0	11.1	
51 Isooctane	57	13.909	13.909	0.000	99	2209091	10.0	9.90	
50 Benzene	78	13.968	13.968	0.000	93	1682819	10.0	10.7	
52 1,2-Dichloroethane	62	14.128	14.128	0.000	97	587972	10.0	10.1	
53 n-Heptane	43	14.257	14.257	0.000	85	699853	10.0	8.69	
* 54 1,4-Difluorobenzene	114	14.728	14.727	0.001	91	2009169	10.0	10.0	
A 57 GRO	1	14.757	(6.671-22.842)		0	204691565	10.0	0	
55 n-Butanol	56	15.006	15.011	-0.005	83	225971	10.0	8.95	
56 Trichloroethene	95	15.193	15.193	0.000	92	798732	10.0	10.8	
58 1,2-Dichloropropane	63	15.712	15.712	0.000	93	543941	10.0	10.1	
59 Methyl methacrylate	69	15.792	15.797	-0.005	79	565658	10.0	10.6	
60 1,4-Dioxane	88	15.883	15.883	0.000	86	277601	10.0	10.2	
61 Dibromomethane	174	15.958	15.958	0.000	88	978438	10.0	11.2	
62 Dichlorobromomethane	83	16.204	16.204	0.000	98	1159005	10.0	11.0	
A 63 TVOC as Toluene	92	16.621	(4.387-28.855)		0	365970829	10.0	2563.2	
64 cis-1,3-Dichloropropene	75	17.065	17.065	0.000	87	874464	10.0	10.8	
65 4-Methyl-2-pentanone (MIBK	43	17.295	17.295	0.000	92	898647	10.0	9.70	
69 n-Octane	43	17.633	17.632	0.000	84	961112	10.0	9.28	
A 68 C8 Range	1	17.632	(17.582-17.682)		0	9316836	NC	NC	
A 67 Toluene Range	92	17.638	(17.598-17.678)		0	9316836	10.0	70.1	E
66 Toluene	92	17.638	17.638	0.000	93	1341950	10.0	10.1	
70 trans-1,3-Dichloropropene	75	18.167	18.173	-0.006	93	882259	10.0	10.9	
71 1,1,2-Trichloroethane	83	18.537	18.536	0.001	94	620795	10.0	10.8	
72 Tetrachloroethene	166	18.676	18.681	-0.005	95	1487136	10.0	10.8	
73 2-Hexanone	43	18.922	18.922	0.000	92	856805	10.0	9.50	
74 Chlorodibromomethane	129	19.296	19.296	0.000	98	1484236	10.0	11.2	
75 Ethylene Dibromide	107	19.580	19.580	0.000	99	1266576	10.0	11.3	
S 82 Xylenes, Total	106				0		30.0	33.3	
* 76 Chlorobenzene-d5	117	20.420	20.425	-0.005	80	1870641	10.0	10.0	
77 Chlorobenzene	112	20.479	20.478	0.001	99	2007999	10.0	10.9	
78 Ethylbenzene	91	20.591	20.591	0.000	96	2908868	10.0	11.0	
79 n-Nonane	57	20.650	20.649	0.001	82	1087518	10.0	9.68	
80 m-Xylene & p-Xylene	106	20.810	20.810	0.000	98	2546086	20.0	22.5	
83 o-Xylene	106	21.522	21.521	0.001	96	1247250	10.0	10.8	
84 Styrene	104	21.565	21.564	0.001	98	1931277	10.0	11.5	
85 Bromoform	173	21.944	21.944	0.000	99	1715053	10.0	12.1	
86 Isopropylbenzene	105	22.089	22.089	0.000	94	3518951	10.0	11.2	
$ 87 4-Bromofluorobenzene	95	22.426	22.426	0.000	97	1204170	NC	NC	
88 1,1,2,2-Tetrachloroethane	83	22.651	22.650	0.001	97	1650830	10.0	11.4	
90 N-Propylbenzene	91	22.720	22.725	-0.005	99	4030988	10.0	11.5	
89 1,2,3-Trichloropropane	75	22.752	22.752	0.000	93	1207677	10.0	10.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
93 n-Decane	57	22.832	22.832	0.000	82	1435562	10.0	10.5	
91 4-Ethyltoluene	105	22.891	22.891	0.000	97	3693111	10.0	11.8	
92 2-Chlorotoluene	91	22.923	22.923	0.000	93	2845929	10.0	11.1	
94 1,3,5-Trimethylbenzene	105	22.982	22.982	0.000	95	3037210	10.0	11.3	
95 Alpha Methyl Styrene	118	23.330	23.335	-0.005	92	1680015	10.0	12.4	
96 tert-Butylbenzene	119	23.458	23.458	0.000	96	3111917	10.0	11.3	
97 1,2,4-Trimethylbenzene	105	23.549	23.549	0.000	95	3050595	10.0	11.3	
98 sec-Butylbenzene	105	23.785	23.790	-0.005	98	4427250	10.0	11.5	
99 4-Isopropyltoluene	119	23.988	23.988	0.000	97	3996316	10.0	11.7	
100 1,3-Dichlorobenzene	146	24.063	24.063	0.000	99	2460377	10.0	11.8	
101 1,4-Dichlorobenzene	146	24.207	24.207	0.000	97	2400029	10.0	11.8	
102 Benzyl chloride	91	24.411	24.416	-0.005	99	1740765	10.0	10.2	
104 Undecane	57	24.603	24.603	0.000	90	1619228	10.0	11.6	
103 n-Butylbenzene	91	24.625	24.624	0.001	97	3277006	10.0	11.9	
105 1,2-Dichlorobenzene	146	24.812	24.812	0.000	99	2350896	10.0	11.6	
106 Dodecane	57	26.395	26.395	0.000	91	1481381	10.0	11.8	
107 1,2,4-Trichlorobenzene	180	27.695	27.690	0.005	92	1717173	10.0	10.4	
108 Hexachlorobutadiene	225	27.893	27.893	0.000	98	1805332	10.0	10.5	
109 Naphthalene	128	28.278	28.278	0.000	99	2842297	10.0	8.97	
110 1,2,3-Trichlorobenzene	180	28.845	28.845	0.000	95	1555187	10.0	10.3	

QC Flag Legend

Processing Flags
NC - Not Calibrated
E - Exceeded Maximum Amount

Reagents:

ATTO15LCSW_00389	Amount Added: 200.00	Units: mL	
ATTO15WISs_00003	Amount Added: 20.00	Units: mL	Run Reagent

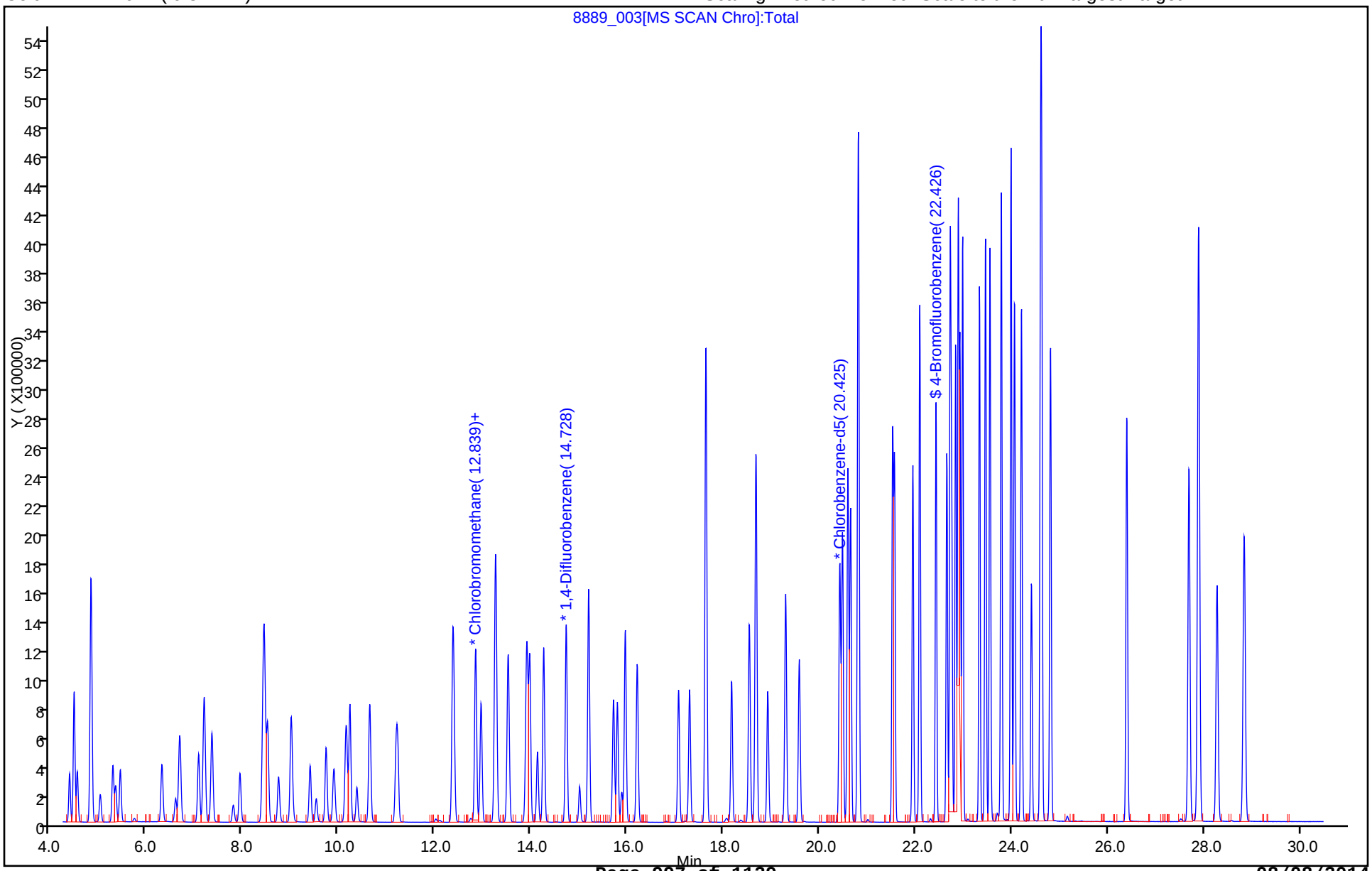
Report Date: 07-Aug-2014 09:53:46 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140806-8889.b\8889_003.d

Injection Date:	06-Aug-2014 13:16:30	Instrument ID:	CHW.i	Operator ID:	BPL
Lims ID:	LCS			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



AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Instrument ID: CHC.i Start Date: 07/17/2014 11:15

Analysis Batch Number: 75021 End Date: 07/18/2014 10:29

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-75021/1		07/17/2014 11:15	1	8605_001.D	RTX-624 0.32(mm)
VIBLK 200-75021/2		07/17/2014 12:02	1		RTX-624 0.32(mm)
IC 200-75021/3		07/17/2014 12:55	1	8605_003.D	RTX-624 0.32(mm)
IC 200-75021/4		07/17/2014 13:48	1	8605_004.D	RTX-624 0.32(mm)
ZZZZZ		07/17/2014 14:42	1		RTX-624 0.32(mm)
IC 200-75021/6		07/17/2014 15:35	1	8605_006.D	RTX-624 0.32(mm)
ICIS 200-75021/7		07/17/2014 16:28	1	8605_007.D	RTX-624 0.32(mm)
IC 200-75021/8		07/17/2014 17:21	1	8605_008.D	RTX-624 0.32(mm)
IC 200-75021/9		07/17/2014 18:14	1	8605_009.D	RTX-624 0.32(mm)
IC 200-75021/10		07/17/2014 19:07	1	8605_010.D	RTX-624 0.32(mm)
VIBLK 200-75021/11		07/17/2014 20:00	1		RTX-624 0.32(mm)
VIBLK 200-75021/12		07/17/2014 20:53	1		RTX-624 0.32(mm)
ZZZZZ		07/17/2014 21:46	1		RTX-624 0.32(mm)
VIBLK 200-75021/14		07/17/2014 22:39	1		RTX-624 0.32(mm)
ZZZZZ		07/17/2014 23:33	1		RTX-624 0.32(mm)
VIBLK 200-75021/16		07/18/2014 00:26	1		RTX-624 0.32(mm)
IC 200-75021/18		07/18/2014 09:36	1	8605_018.D	RTX-624 0.32(mm)
ICV 200-75021/19		07/18/2014 10:29	1	8605_019.D	RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Instrument ID: CHC.i Start Date: 07/23/2014 08:42

Analysis Batch Number: 75211 End Date: 07/24/2014 03:20

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-75211/1		07/23/2014 08:42	1	8677_001.D	RTX-624 0.32(mm)
CCVIS 200-75211/2		07/23/2014 09:29	1	8677_002.D	RTX-624 0.32(mm)
LCS 200-75211/3		07/23/2014 10:22	1	8677_003.D	RTX-624 0.32(mm)
MB 200-75211/4		07/23/2014 11:15	1	8677_004.D	RTX-624 0.32(mm)
ZZZZZ		07/23/2014 12:14	0.2		RTX-624 0.32(mm)
ZZZZZ		07/23/2014 13:07	10		RTX-624 0.32(mm)
ZZZZZ		07/23/2014 14:01	1		RTX-624 0.32(mm)
ZZZZZ		07/23/2014 14:54	1		RTX-624 0.32(mm)
ZZZZZ		07/23/2014 15:47	1		RTX-624 0.32(mm)
ZZZZZ		07/23/2014 16:41	1		RTX-624 0.32(mm)
ZZZZZ		07/23/2014 17:34	1		RTX-624 0.32(mm)
ZZZZZ		07/23/2014 18:27	1		RTX-624 0.32(mm)
ZZZZZ		07/23/2014 19:21	1		RTX-624 0.32(mm)
ZZZZZ		07/23/2014 20:14	1		RTX-624 0.32(mm)
ZZZZZ		07/23/2014 21:08	1		RTX-624 0.32(mm)
ZZZZZ		07/23/2014 22:01	1		RTX-624 0.32(mm)
ZZZZZ		07/23/2014 22:54	1		RTX-624 0.32(mm)
ZZZZZ		07/23/2014 23:48	19.8		RTX-624 0.32(mm)
ZZZZZ		07/24/2014 00:41	4		RTX-624 0.32(mm)
ZZZZZ		07/24/2014 01:34	4		RTX-624 0.32(mm)
ZZZZZ		07/24/2014 02:27	24.2		RTX-624 0.32(mm)
280-58004-6	785786OA09	07/24/2014 03:20	1	8677_024.D	RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Instrument ID: CHC.i Start Date: 08/04/2014 08:48

Analysis Batch Number: 75599 End Date: 08/05/2014 08:53

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-75599/1		08/04/2014 08:48	1	8834_001.D	RTX-624 0.32(mm)
CCVIS 200-75599/2		08/04/2014 09:39	1		RTX-624 0.32(mm)
CCVIS 200-75599/3		08/04/2014 10:32	1	8834_003.D	RTX-624 0.32(mm)
LCS 200-75599/4		08/04/2014 11:25	1	8834_004.D	RTX-624 0.32(mm)
MB 200-75599/5		08/04/2014 12:18	1	8834_005.D	RTX-624 0.32(mm)
ZZZZZ		08/04/2014 13:17	0.2		RTX-624 0.32(mm)
ZZZZZ		08/04/2014 14:10	1		RTX-624 0.32(mm)
ZZZZZ		08/04/2014 15:08	0.2		RTX-624 0.32(mm)
ZZZZZ		08/04/2014 16:02	1.25		RTX-624 0.32(mm)
ZZZZZ		08/04/2014 16:55	2		RTX-624 0.32(mm)
ZZZZZ		08/04/2014 17:48	1.5		RTX-624 0.32(mm)
ZZZZZ		08/04/2014 18:41	1		RTX-624 0.32(mm)
ZZZZZ		08/04/2014 19:35	6.06		RTX-624 0.32(mm)
ZZZZZ		08/04/2014 20:28	1		RTX-624 0.32(mm)
ZZZZZ		08/04/2014 21:21	1		RTX-624 0.32(mm)
ZZZZZ		08/04/2014 22:15	1		RTX-624 0.32(mm)
ZZZZZ		08/04/2014 23:08	1		RTX-624 0.32(mm)
ZZZZZ		08/05/2014 00:01	13.8		RTX-624 0.32(mm)
ZZZZZ		08/05/2014 00:55	1		RTX-624 0.32(mm)
ZZZZZ		08/05/2014 01:47	1		RTX-624 0.32(mm)
ZZZZZ		08/05/2014 02:41	3.51		RTX-624 0.32(mm)
ZZZZZ		08/05/2014 03:34	3.51		RTX-624 0.32(mm)
ZZZZZ		08/05/2014 04:27	5		RTX-624 0.32(mm)
ZZZZZ		08/05/2014 05:20	8		RTX-624 0.32(mm)
ZZZZZ		08/05/2014 06:14	1		RTX-624 0.32(mm)
280-58004-2	786VMP0302LA	08/05/2014 07:07	1	8834_026.D	RTX-624 0.32(mm)
ZZZZZ		08/05/2014 08:01	6.06		RTX-624 0.32(mm)
ZZZZZ		08/05/2014 08:53	1		RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Instrument ID: CHC.i Start Date: 08/05/2014 10:17

Analysis Batch Number: 75651 End Date: 08/06/2014 09:33

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-75651/1		08/05/2014 10:17	1	8862_001.D	RTX-624 0.32(mm)
CCVIS 200-75651/2		08/05/2014 11:05	1	8862_002.D	RTX-624 0.32(mm)
LCS 200-75651/4		08/05/2014 12:03	1	8862_004.D	RTX-624 0.32(mm)
MB 200-75651/5		08/05/2014 12:56	1	8862_005.D	RTX-624 0.32(mm)
ZZZZZ		08/05/2014 13:59	1		RTX-624 0.32(mm)
ZZZZZ		08/05/2014 14:52	1		RTX-624 0.32(mm)
ZZZZZ		08/05/2014 15:46	1		RTX-624 0.32(mm)
280-58004-10	785VMP0202MC	08/05/2014 16:39	1	8862_009.D	RTX-624 0.32(mm)
ZZZZZ		08/05/2014 17:31	142		RTX-624 0.32(mm)
ZZZZZ		08/05/2014 18:25	159		RTX-624 0.32(mm)
ZZZZZ		08/05/2014 19:18	2.99		RTX-624 0.32(mm)
ZZZZZ		08/05/2014 20:11	2.99		RTX-624 0.32(mm)
ZZZZZ		08/05/2014 21:04	2		RTX-624 0.32(mm)
ZZZZZ		08/05/2014 21:57	2		RTX-624 0.32(mm)
ZZZZZ		08/05/2014 22:50	8		RTX-624 0.32(mm)
ZZZZZ		08/05/2014 23:43	25.1		RTX-624 0.32(mm)
ZZZZZ		08/06/2014 00:36	4		RTX-624 0.32(mm)
ZZZZZ		08/06/2014 01:29	2		RTX-624 0.32(mm)
ZZZZZ		08/06/2014 02:22	2		RTX-624 0.32(mm)
ZZZZZ		08/06/2014 03:15	1		RTX-624 0.32(mm)
ZZZZZ		08/06/2014 04:08	1		RTX-624 0.32(mm)
ZZZZZ		08/06/2014 05:01	1		RTX-624 0.32(mm)
ZZZZZ		08/06/2014 05:54	1		RTX-624 0.32(mm)
ZZZZZ		08/06/2014 06:48	1		RTX-624 0.32(mm)
ZZZZZ		08/06/2014 07:46	0.2		RTX-624 0.32(mm)
ZZZZZ		08/06/2014 08:40	0.2		RTX-624 0.32(mm)
ZZZZZ		08/06/2014 09:33	2.99		RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Instrument ID: CHG.i Start Date: 07/02/2014 15:15

Analysis Batch Number: 74492 End Date: 07/03/2014 03:58

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-74492/1		07/02/2014 15:15	1	8394_001.D	RTX-624 0.32(mm)
VIBLK 200-74492/2		07/02/2014 16:01	1		RTX-624 0.32(mm)
IC 200-74492/3		07/02/2014 16:53	1	8394_003.D	RTX-624 0.32(mm)
IC 200-74492/4		07/02/2014 17:44	1	8394_004.D	RTX-624 0.32(mm)
IC 200-74492/5		07/02/2014 18:35	1	8394_005.D	RTX-624 0.32(mm)
IC 200-74492/6		07/02/2014 19:26	1	8394_006.D	RTX-624 0.32(mm)
ICIS 200-74492/7		07/02/2014 20:17	1	8394_007.D	RTX-624 0.32(mm)
IC 200-74492/8		07/02/2014 21:08	1	8394_008.D	RTX-624 0.32(mm)
IC 200-74492/9		07/02/2014 21:59	1	8394_009.D	RTX-624 0.32(mm)
IC 200-74492/10		07/02/2014 22:50	1	8394_010.D	RTX-624 0.32(mm)
VIBLK 200-74492/11		07/02/2014 23:41	1		RTX-624 0.32(mm)
VIBLK 200-74492/12		07/03/2014 00:33	1		RTX-624 0.32(mm)
ICV 200-74492/13		07/03/2014 01:24	1	8394_013.D	RTX-624 0.32(mm)
ZZZZZ		07/03/2014 02:15	1		RTX-624 0.32(mm)
ZZZZZ		07/03/2014 03:07	1		RTX-624 0.32(mm)
ZZZZZ		07/03/2014 03:58	1		RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Instrument ID: CHG.i Start Date: 07/22/2014 09:59

Analysis Batch Number: 75167 End Date: 07/23/2014 08:38

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-75167/1		07/22/2014 09:59	1	8660_001.D	RTX-624 0.32(mm)
CCVIS 200-75167/2		07/22/2014 10:46	1	8660_002.D	RTX-624 0.32(mm)
LCS 200-75167/3		07/22/2014 11:37	1	8660_003.D	RTX-624 0.32(mm)
MB 200-75167/4		07/22/2014 12:28	1	8660_004.D	RTX-624 0.32(mm)
ZZZZZ		07/22/2014 13:20	10		RTX-624 0.32(mm)
ZZZZZ		07/22/2014 14:11	10		RTX-624 0.32(mm)
ZZZZZ		07/22/2014 15:02	12.5		RTX-624 0.32(mm)
ZZZZZ		07/22/2014 15:53	17.1		RTX-624 0.32(mm)
ZZZZZ		07/22/2014 16:44	13.1		RTX-624 0.32(mm)
ZZZZZ		07/22/2014 17:35	31.4		RTX-624 0.32(mm)
ZZZZZ		07/22/2014 18:26	1		RTX-624 0.32(mm)
ZZZZZ		07/22/2014 19:17	1		RTX-624 0.32(mm)
ZZZZZ		07/22/2014 20:08	1		RTX-624 0.32(mm)
ZZZZZ		07/22/2014 20:59	1		RTX-624 0.32(mm)
ZZZZZ		07/22/2014 21:50	378		RTX-624 0.32(mm)
ZZZZZ		07/22/2014 22:41	21.3		RTX-624 0.32(mm)
ZZZZZ		07/22/2014 23:32	500		RTX-624 0.32(mm)
ZZZZZ		07/23/2014 00:24	127		RTX-624 0.32(mm)
ZZZZZ		07/23/2014 01:15	1		RTX-624 0.32(mm)
ZZZZZ		07/23/2014 02:06	1		RTX-624 0.32(mm)
ZZZZZ		07/23/2014 02:57	1		RTX-624 0.32(mm)
ZZZZZ		07/23/2014 03:48	186		RTX-624 0.32(mm)
ZZZZZ		07/23/2014 04:40	4810		RTX-624 0.32(mm)
280-58004-4	785IA13	07/23/2014 05:31	1	8660_024.D	RTX-624 0.32(mm)
ZZZZZ		07/23/2014 06:22	1		RTX-624 0.32(mm)
ZZZZZ		07/23/2014 07:47	1		RTX-624 0.32(mm)
280-58004-5	786IA12	07/23/2014 08:38	1	8660_027.D	RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Instrument ID: CHW.i Start Date: 06/14/2014 06:27

Analysis Batch Number: 73568 End Date: 06/15/2014 03:49

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-73568/1		06/14/2014 06:27	1	8058_001.d	RTX-624 0.32(mm)
VIBLK 200-73568/2		06/14/2014 07:17	1		RTX-624 0.32(mm)
ZZZZZ		06/14/2014 08:06	1		RTX-624 0.32(mm)
ZZZZZ		06/14/2014 08:56	1		RTX-624 0.32(mm)
IC 200-73568/5		06/14/2014 09:46	1	8058_005.d	RTX-624 0.32(mm)
IC 200-73568/6		06/14/2014 10:36	1	8058_006.d	RTX-624 0.32(mm)
ICIS 200-73568/7		06/14/2014 11:26	1	8058_007.d	RTX-624 0.32(mm)
IC 200-73568/8		06/14/2014 12:16	1	8058_008.d	RTX-624 0.32(mm)
IC 200-73568/9		06/14/2014 13:06	1	8058_009.d	RTX-624 0.32(mm)
IC 200-73568/10		06/14/2014 13:56	1	8058_010.d	RTX-624 0.32(mm)
VIBLK 200-73568/11		06/14/2014 14:44	1		RTX-624 0.32(mm)
VIBLK 200-73568/12		06/14/2014 15:34	1		RTX-624 0.32(mm)
ICV 200-73568/13		06/14/2014 16:24	1		RTX-624 0.32(mm)
ZZZZZ		06/14/2014 17:15	1		RTX-624 0.32(mm)
VIBLK 200-73568/15		06/14/2014 18:05	1		RTX-624 0.32(mm)
IC 200-73568/16		06/14/2014 23:41	1	8058_016.d	RTX-624 0.32(mm)
IC 200-73568/17		06/15/2014 00:33	1	8058_017.d	RTX-624 0.32(mm)
VIBLK 200-73568/18		06/15/2014 01:21	1		RTX-624 0.32(mm)
ICV 200-73568/19		06/15/2014 02:11	1	8058_019.d	RTX-624 0.32(mm)
ZZZZZ		06/15/2014 03:00	1		RTX-624 0.32(mm)
VIBLK 200-73568/21		06/15/2014 03:49	1		RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 280-58004-1

SDG No.:

Instrument ID: CHW.i Start Date: 08/06/2014 11:25

Analysis Batch Number: 75709 End Date: 08/07/2014 09:27

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-75709/1		08/06/2014 11:25	1	8889_001.d	RTX-624 0.32(mm)
CCVIS 200-75709/2		08/06/2014 12:25	1	8889_002.d	RTX-624 0.32(mm)
LCS 200-75709/3		08/06/2014 13:16	1	8889_003.d	RTX-624 0.32(mm)
MB 200-75709/4		08/06/2014 14:05	1	8889_004.d	RTX-624 0.32(mm)
ZZZZZ		08/06/2014 14:54	2.5		RTX-624 0.32(mm)
280-58004-3	786VMP0102LA	08/06/2014 16:10	2	8889_006.d	RTX-624 0.32(mm)
280-58004-7	785VMP0202MA	08/06/2014 16:59	2	8889_007.d	RTX-624 0.32(mm)
ZZZZZ		08/06/2014 17:48	248		RTX-624 0.32(mm)
280-58004-9	785VMP0401LA	08/06/2014 18:36	396	8889_009.d	RTX-624 0.32(mm)
280-58004-1	786VMP0202LA	08/06/2014 19:24	4	8889_010.d	RTX-624 0.32(mm)
ZZZZZ		08/06/2014 20:13	5		RTX-624 0.32(mm)
ZZZZZ		08/06/2014 21:01	5		RTX-624 0.32(mm)
ZZZZZ		08/06/2014 21:49	10		RTX-624 0.32(mm)
ZZZZZ		08/06/2014 22:37	10		RTX-624 0.32(mm)
ZZZZZ		08/06/2014 23:26	10		RTX-624 0.32(mm)
ZZZZZ		08/07/2014 00:14	10		RTX-624 0.32(mm)
ZZZZZ		08/07/2014 01:03	10		RTX-624 0.32(mm)
ZZZZZ		08/07/2014 01:51	10		RTX-624 0.32(mm)
ZZZZZ		08/07/2014 02:41	1		RTX-624 0.32(mm)
ZZZZZ		08/07/2014 03:32	1		RTX-624 0.32(mm)
ZZZZZ		08/07/2014 04:22	1		RTX-624 0.32(mm)
ZZZZZ		08/07/2014 05:13	1		RTX-624 0.32(mm)
ZZZZZ		08/07/2014 06:03	1		RTX-624 0.32(mm)
ZZZZZ		08/07/2014 06:54	1		RTX-624 0.32(mm)
ZZZZZ		08/07/2014 07:45	1		RTX-624 0.32(mm)
280-58004-8	785VMP0501JA	08/07/2014 08:39	104	8889_026.d	RTX-624 0.32(mm)
ZZZZZ		08/07/2014 09:27	10		RTX-624 0.32(mm)

Post-Sampling Air Canister Pressure Check Record

Client ID	TALS Job	Date	Time (Military)	Lab BP ("Hg)	Lab Temp (°C)	Pressure Gague ID	Analyst
EPM	280-58004	7/22/14	1130	29.8	22	G9	BL

Sampling Information and Return Equipment Check	Yes	No	Comments
(1) Is a Field Test Data Sheet (FTDS) or similar sampling documentation present?	✓		
(2) Is the flow controller ID used for each canister recorded?	✓		
(3) MA MCP: Check return flow rate for flow controllers		✓	
(4) Is visible sign of damage to canister and/or flow controller (FC) present?		✓	

If damage observed, list equipment IDs and describe condition:

Post-Sampling Return Pressure Check

Lab ID	Canister ID	Pressure[1] ("Hg)	Anomaly[2] (Y/N)	FC ID[3]	FC Return (Y/N)	Can Cert Batch ID		Comments
58004 -1	2545	-4.1	N	5594	Y	4820	8512	
-2	4084	-4.5		5593				
-3	4337	-8.3		5594				
-4	5725	-8.5		4042		4324	8499	
-5	4348	-8.5		3223		4820	8512	
-6	4292	-10.6		3776		2573	8501	
-7	5039	-5.7		5592		4820	8512	
-8	5630	-1.8		5102		4324	8499	
-9	5075	-4.5		5595		4820	8512	
-10	5647	-8.0		5823		4324	8499	200mL/min

BL 7/22/14

[1] Criteria: Return Pressure should be between -1 and -10 ("Hg)

[2] If return pressure is not within criteria, initiate anomaly report.

[3] Record the ID of the FC used for sampling if information is provided, otherwise leave blank.

Internal Use Only: Flow Controller Date and Page # 59/82, 81, 79, 61

200-23084-A-7
2573
Location: Air-Storage
Bottle: Summa Canister 6L
Sampled: 7/3/2014 12:00 AM 200-676500

Loc: 200
23084
#7
A

Pre-Shipment Clean Canister Certification Repor

Certification Type: ☐ Batch ☐ Individual

Canister Cleaning & Pre-Shipment Leak Test

System ID	# Cycles	Cleaning Date	Technician	Canister Size		
Dilon TOP 7/8/14 Reclean	25	7/3/14	ME	(6L)	1L	3L

Port	Can ID	Leak Test: Initial[1] ("Hg)	Final ("Hg)	Adjusted Initial[2] ("Hg)	Difference[3]
1	4292	-30.0	-30.0	-30.4	+0.4
2	5719		-30.3		+0.1
3	3243		-30.0		+0.4
4	5033		-30.3		+0.1
5	5619		-30.3		+0.1
6	4545		LEAKS		
7	2573			LEAKS	
8	3338		-30.3		+0.1
9	5714		LEAKS		
10	3510		-30.3		+0.1
11	4791		-30.2		+0.2
12	5029		LEAKS		

Initial Reading			Final Reading		
Gauge ID:	613	G13	Gauge ID:	613	
Date:	7/5/14	7/8/14	Date:	7/12/14	7/15/14
Time:	950	0945	Time:	1315	1345
Tech:	ME	VS	Tech:	ME	
BP:	29.8	29.5 ("Hg)	BP:	29.9	29.5 ("Hg)
Temp	22	22 (°C)	Temp:	22	22 (°C)

[3]Acceptance Criteria:
(1) The difference must be less than or equal to + 0.5
(2) Pressure readings must be at least 24 hours apart.
If time frame was not met, the PM must authorize shipment of canister:
PM Authorization:

Signature Date

[1] Batch Certification: The reading is taken on the "batch" canister and this value is used as the initial pressure for all canisters in the batch.

[2] To calculate Adjusted Initial Pressure, subtract Final BP from Initial BP and add the result (positive or negative) to the initial pressure reading.

[3] To calculate Difference, subtract the Adjusted Initial Pressure from the Final Pressure (See Acceptance Criteria)

Clean Canister Certification Analysis & Authorization of Release to Inventory

Test Method: ☐TO15 Routine ☐ TO15 LL ☐ NJDEP-LL TO15

Can ID	Date	Sequence	Analyst	Inventory Level 1	2	3	4	Limited	Secondary Review: Review Date	Reviewer
2573	7/11/14	8501	PAD		✓				7/11/14	ANL

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:

BR-FAI023:10.19.09:7
TestAmerica

200-23111-A-11
4324
Location: Air-Storage
Bottle: Summa Canister 6L
Sampled: 7/8/2014 12:00 AM 200-677032

Loc: 200
23111
#11
A

Pre-Shipment Clean Canister Certification Rep

Certification Type: ☒ Batch ☐ Individual

Canister Cleaning & Pre-Shipment Leak Test

System ID	# Cycles	Cleaning Date	Technician	Canister Size
Oven 3/4	20	7/8/14	MS	(6L) 1L 3L

Port	Can ID	Leak Test: Initial[1] ("Hg)	Final ("Hg)	Adjusted Initial[2] ("Hg)	Difference[3]
1	5647	-30.2	-30.3	-30.6	+0.3
2	2679		-30.2		+0.4
3	5725		-30.4		+0.2
4	5731		-30.1		+0.5
5	5133		LEAKS		
6	5637		-29.7	-30.2	+0.5
7	5409		LEAKS		
8	4356		-29.7	-30.2	+0.5
9	5630		-30.4		+0.2
10	5022		-30.4		+0.2
11	4324		LEAKS		
12	4378	↓	-30.3	↓	+0.3

Initial Reading	Final Reading	
Gauge ID: A13	Gauge ID: G13	G13
Date: 7/9/14	Date: 7/12/14	7/15/14
Time: 1045	Time: 1210	1330
Tech: VS	Tech: MS	(2)
BP: 29.5 ("Hg)	BP: 29.9	29.5 ("Hg)
Temp 22 (℃)	Temp: 22	22 (℃)

[3]Acceptance Criteria:
(1) The difference must be less than or equal to + 0.5
(2) Pressure readings must be at least 24 hours apart.
If time frame was not met, the PM must authorize shipment of canister:
PM Authorization:

Signature Date

[1] Batch Certification: The reading is taken on the "batch" canister and this value is used as the initial pressure for all canisters in the batch.

[2] To calculate Adjusted Initial Pressure, subtract Final BP from Initial BP and add the result (positive or negative) to the initial pressure reading.

[3] To calculate Difference, subtract the Adjusted Initial Pressure from the Final Pressure (See Acceptance Criteria)

Clean Canister Certification Analysis & Authorization of Release to Inventory

Test Method: ☐ TO15 Routine ☐ TO15 LL ☐ NJDEP-LL TO15

Can ID	Date	Sequence	Analyst	Inventory Level 1	2	3	4	Limited	Secondary Review: Review Date	Reviewer
4324	7/10/14	8499	BL		✓				7/11/14	ANI

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:

BR-FAI023:10.19.09:7
TestAmerica

200-23144-A-2
4820
Location: Air-Storage
Bottle: Summa Canister 6L
Sampled: 7/10/2014 12:00 AM 200-677677

Loc: 200
23144
#2
A

Pre-Shipment Clean Canister Certification Re

Certification Type: ☒ Batch ☐ Individual

Canister Cleaning & Pre-Shipment Leak Test

System ID	# Cycles	Cleaning Date	Technician	Canister Size
TO15	15	7/10/14	MT	6L (1L) 3L

Port	Can ID	Leak Test Initial[1] ("Hg)	Leak Test Final ("Hg)	Adjusted Initial[2] ("Hg)	Difference[3]
1	4084	-9	-29.5	-30.0	+0.5
2	4820	-30.0	-29.6	-29.6	0
3	4555		-30.3	-30.0	-0.3
4	5039		-30.2		-0.2
5	4473		-30.3		-0.3
6	5061		-30.1		-0.1
7	5075		-30.3		-0.3
8	4811		-30.3		0
9	5420		-30.2		-0.2
10	2345		-30.3		-0.3
11	4337		-30.4		-0.4
12	4348	(-30.3)	-30.3	✓	-0.3

	Initial Reading	Final Reading
Gauge ID:	613	613 / *
Date:	7/11/14	7/12/14 / 7/15/14
Time:	1303	1345 / 1630
Tech:	KM	MT / MT
BP:	29.9 ("Hg)	29.9 / 29.5 ("Hg)
Temp	22 (°C)	22 / 22 (°C)

[3]Acceptance Criteria:
(1) The difference must be less than or equal to + 0.5
(2) Pressure readings must be at least 24 hours apart.
If time frame was not met, the PM must authorize shipment of canister:
PM Authorization:

Signature Date

[1] Batch Certification: The reading is taken on the "batch" canister and this value is used as the initial pressure for all canisters in the batch.

[2] To calculate Adjusted Initial Pressure, subtract Final BP from Initial BP and add the result (positive or negative) to the initial pressure reading.

[3] To calculate Difference, subtract the Adjusted Initial Pressure from the Final Pressure (See Acceptance Criteria)

Clean Canister Certification Analysis & Authorization of Release to Inventory

Test Method: ☐TO15 Routine ☐ TO15 LL ☐ NJDEP-LL TO15

Can ID	Date	Sequence	Analyst	Inventory Level 1	2	3	4	Limited	Secondary Review Date	Reviewer
4820	7/11/14	8512	WD		✓				7/14/14	ANI

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

BR-FAI023:10.19.09:7
TestAmerica

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

Lab Name: TestAmerica Burlington Job No.: 200-23084-1

SDG No.:

Matrix: Air Level: Low Lab File ID: 8501_003.D

Lab ID: LCS 200-74747/3 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Propylene	10.0	8.61	86	70-130	
Dichlorodifluoromethane	10.0	10.9	109	70-130	
Freon 22	10.0	10.3	103	70-130	
1,2-Dichlorotetrafluoroethane	10.0	11.4	114	70-130	
Chloromethane	10.0	9.25	92	70-130	
n-Butane	10.0	9.16	92	70-130	
Vinyl chloride	10.0	9.06	91	70-130	
1,3-Butadiene	10.0	9.03	90	70-130	
Bromomethane	10.0	10.2	102	70-130	
Chloroethane	10.0	9.69	97	70-130	
Bromoethene(Vinyl Bromide)	10.0	9.91	99	70-130	
Trichlorofluoromethane	10.0	10.4	104	70-130	
Ethanol	15.0	13.4	90	70-130	
Freon TF	10.0	10.2	102	70-130	
1,1-Dichloroethene	10.0	9.75	97	70-130	
Acetone	10.0	9.98	100	70-130	
Isopropyl alcohol	10.0	7.94	79	70-130	
Carbon disulfide	10.0	10.8	108	70-130	
3-Chloropropene	10.0	8.18	82	70-130	
Methylene Chloride	10.0	9.61	96	70-130	
tert-Butyl alcohol	10.0	9.00	90	70-130	
Methyl tert-butyl ether	10.0	10.2	102	70-130	
trans-1,2-Dichloroethene	10.0	10.7	107	70-130	
n-Hexane	10.0	9.82	98	70-130	
1,1-Dichloroethane	10.0	9.45	94	70-130	
Vinyl acetate	10.0	8.82	88	70-130	
Ethyl acetate	10.0	10.5	105	70-130	
Methyl Ethyl Ketone	10.0	9.20	92	70-130	
cis-1,2-Dichloroethene	10.0	9.50	95	70-130	
Chloroform	10.0	10.1	101	70-130	
Tetrahydrofuran	10.0	8.89	89	70-130	
1,1,1-Trichloroethane	10.0	9.94	99	70-130	
Cyclohexane	10.0	9.25	92	70-130	
Carbon tetrachloride	10.0	9.35	94	70-130	
2,2,4-Trimethylpentane	10.0	8.87	89	70-130	
Benzene	10.0	9.14	91	70-130	
1,2-Dichloroethane	10.0	9.93	99	70-130	
n-Heptane	10.0	8.69	87	70-130	
Trichloroethene	10.0	9.56	96	70-130	
Methyl methacrylate	10.0	10.1	101	70-130	
1,2-Dichloropropane	10.0	9.52	95	70-130	
1,4-Dioxane	10.0	9.48	95	70-130	

Column to be used to flag recovery and RPD values

FORM III TO-15

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

Lab Name: TestAmerica Burlington Job No.: 200-23084-1

SDG No.:

Matrix: Air Level: Low Lab File ID: 8501_003.D

Lab ID: LCS 200-74747/3 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Bromodichloromethane	10.0	10.5	105	70-130	
cis-1,3-Dichloropropene	10.0	10.6	106	70-130	
methyl isobutyl ketone	10.0	9.12	91	70-130	
Toluene	10.0	9.82	98	70-130	
trans-1,3-Dichloropropene	10.0	10.9	109	70-130	
1,1,2-Trichloroethane	10.0	9.99	100	70-130	
Tetrachloroethene	10.0	8.62	86	70-130	
Methyl Butyl Ketone (2-Hexanone)	10.0	8.35	84	70-130	
Dibromochloromethane	10.0	9.31	93	70-130	
1,2-Dibromoethane	10.0	10.1	101	70-130	
Chlorobenzene	10.0	9.57	96	70-130	
Ethylbenzene	10.0	9.98	100	70-130	
m,p-Xylene	20.0	19.3	97	70-130	
Xylene, o-	10.0	9.59	96	70-130	
Styrene	10.0	10.1	101	70-130	
Bromoform	10.0	8.97	90	70-130	
Cumene	10.0	9.66	97	70-130	
1,1,2,2-Tetrachloroethane	10.0	10.3	103	70-130	
n-Propylbenzene	10.0	9.99	100	70-130	
4-Ethyltoluene	10.0	9.90	99	70-130	
1,3,5-Trimethylbenzene	10.0	10.1	101	70-130	
2-Chlorotoluene	10.0	9.78	98	70-130	
tert-Butylbenzene	10.0	9.86	99	70-130	
1,2,4-Trimethylbenzene	10.0	10.2	102	70-130	
sec-Butylbenzene	10.0	10.3	103	70-130	
4-Isopropyltoluene	10.0	9.98	100	70-130	
1,3-Dichlorobenzene	10.0	9.82	98	70-130	
1,4-Dichlorobenzene	10.0	9.70	97	70-130	
Benzyl chloride	10.0	9.63	96	70-130	
n-Butylbenzene	10.0	10.6	106	70-130	
1,2-Dichlorobenzene	10.0	9.93	99	70-130	
1,2,4-Trichlorobenzene	10.0	9.60	96	70-130	
Hexachlorobutadiene	10.0	8.81	88	70-130	
Naphthalene	10.0	10.5	105	70-130	

Column to be used to flag recovery and RPD values

FORM III TO-15

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

Lab Name: TestAmerica Burlington Job No.: 200-23111-1

SDG No.:

Matrix: Air Level: Low Lab File ID: 8499_003.d

Lab ID: LCS 200-74743/3 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Propylene	10.0	8.37	84	70-130	
Dichlorodifluoromethane	10.0	9.91	99	70-130	
Freon 22	10.0	9.25	92	70-130	
1,2-Dichlorotetrafluoroethane	10.0	11.0	110	70-130	
Chloromethane	10.0	8.87	89	70-130	
n-Butane	10.0	8.81	88	70-130	
Vinyl chloride	10.0	9.16	92	70-130	
1,3-Butadiene	10.0	8.57	86	70-130	
Bromomethane	10.0	8.74	87	70-130	
Chloroethane	10.0	9.66	97	70-130	
Bromoethene(Vinyl Bromide)	10.0	9.85	99	70-130	
Trichlorofluoromethane	10.0	9.70	97	70-130	
Ethanol	15.0	10.8	72	70-130	
Freon TF	10.0	9.99	100	70-130	
1,1-Dichloroethene	10.0	9.77	98	70-130	
Acetone	10.0	8.71	87	70-130	
Isopropyl alcohol	10.0	7.98	80	70-130	
Carbon disulfide	10.0	10.8	108	70-130	
3-Chloropropene	10.0	8.28	83	70-130	
Methylene Chloride	10.0	9.07	91	70-130	
tert-Butyl alcohol	10.0	9.16	92	70-130	
Methyl tert-butyl ether	10.0	9.68	97	70-130	
trans-1,2-Dichloroethene	10.0	10.0	100	70-130	
n-Hexane	10.0	9.14	91	70-130	
1,1-Dichloroethane	10.0	9.57	96	70-130	
Vinyl acetate	10.0	8.84	88	70-130	
Ethyl acetate	10.0	10.7	107	70-130	
Methyl Ethyl Ketone	10.0	9.03	90	70-130	
cis-1,2-Dichloroethene	10.0	9.70	97	70-130	
Chloroform	10.0	9.80	98	70-130	
Tetrahydrofuran	10.0	9.40	94	70-130	
1,1,1-Trichloroethane	10.0	9.91	99	70-130	
Cyclohexane	10.0	9.93	99	70-130	
Carbon tetrachloride	10.0	10.2	102	70-130	
2,2,4-Trimethylpentane	10.0	9.25	93	70-130	
Benzene	10.0	9.71	97	70-130	
1,2-Dichloroethane	10.0	9.34	93	70-130	
n-Heptane	10.0	8.24	82	70-130	
Trichloroethene	10.0	9.88	99	70-130	
Methyl methacrylate	10.0	10.1	101	70-130	
1,2-Dichloropropane	10.0	9.27	93	70-130	
1,4-Dioxane	10.0	9.05	90	70-130	

Column to be used to flag recovery and RPD values

FORM III TO-15

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

Lab Name: TestAmerica Burlington Job No.: 200-23111-1

SDG No.:

Matrix: Air Level: Low Lab File ID: 8499_003.d

Lab ID: LCS 200-74743/3 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Bromodichloromethane	10.0	9.91	99	70-130	
cis-1,3-Dichloropropene	10.0	10.1	101	70-130	
methyl isobutyl ketone	10.0	9.35	94	70-130	
Toluene	10.0	9.16	92	70-130	
trans-1,3-Dichloropropene	10.0	10.4	104	70-130	
1,1,2-Trichloroethane	10.0	10.0	100	70-130	
Tetrachloroethene	10.0	9.73	97	70-130	
Methyl Butyl Ketone (2-Hexanone)	10.0	9.32	93	70-130	
Dibromochloromethane	10.0	10.3	103	70-130	
1,2-Dibromoethane	10.0	10.3	103	70-130	
Chlorobenzene	10.0	10.1	101	70-130	
Ethylbenzene	10.0	10.1	101	70-130	
m,p-Xylene	20.0	20.5	103	70-130	
Xylene, o-	10.0	10.0	100	70-130	
Styrene	10.0	10.5	105	70-130	
Bromoform	10.0	10.9	109	70-130	
Cumene	10.0	10.4	104	70-130	
1,1,2,2-Tetrachloroethane	10.0	10.5	105	70-130	
n-Propylbenzene	10.0	10.7	107	70-130	
4-Ethyltoluene	10.0	11.0	110	70-130	
1,3,5-Trimethylbenzene	10.0	10.6	106	70-130	
2-Chlorotoluene	10.0	10.4	104	70-130	
tert-Butylbenzene	10.0	10.6	106	70-130	
1,2,4-Trimethylbenzene	10.0	10.7	107	70-130	
sec-Butylbenzene	10.0	10.8	108	70-130	
4-Isopropyltoluene	10.0	11.0	110	70-130	
1,3-Dichlorobenzene	10.0	10.9	109	70-130	
1,4-Dichlorobenzene	10.0	11.0	110	70-130	
Benzyl chloride	10.0	11.2	112	70-130	
n-Butylbenzene	10.0	11.0	110	70-130	
1,2-Dichlorobenzene	10.0	10.7	107	70-130	
1,2,4-Trichlorobenzene	10.0	10.4	104	70-130	
Hexachlorobutadiene	10.0	9.84	98	70-130	
Naphthalene	10.0	10.4	104	70-130	

Column to be used to flag recovery and RPD values

FORM III TO-15

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

Lab Name: TestAmerica Burlington Job No.: 200-23144-1

SDG No.:

Matrix: Air Level: Low Lab File ID: 8512_003.D

Lab ID: LCS 200-74788/3 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Propylene	10.0	8.88	89	70-130	
Dichlorodifluoromethane	10.0	11.0	110	70-130	
Freon 22	10.0	10.5	105	70-130	
1,2-Dichlorotetrafluoroethane	10.0	11.5	115	70-130	
Chloromethane	10.0	9.23	92	70-130	
n-Butane	10.0	9.21	92	70-130	
Vinyl chloride	10.0	9.11	91	70-130	
1,3-Butadiene	10.0	9.04	90	70-130	
Bromomethane	10.0	10.3	103	70-130	
Chloroethane	10.0	9.74	97	70-130	
Bromoethene(Vinyl Bromide)	10.0	9.99	100	70-130	
Trichlorofluoromethane	10.0	10.5	105	70-130	
Ethanol	15.0	13.5	90	70-130	
Freon TF	10.0	10.4	104	70-130	
1,1-Dichloroethene	10.0	9.91	99	70-130	
Acetone	10.0	10.3	103	70-130	
Isopropyl alcohol	10.0	7.97	80	70-130	
Carbon disulfide	10.0	10.9	109	70-130	
3-Chloropropene	10.0	8.38	84	70-130	
Methylene Chloride	10.0	9.74	97	70-130	
tert-Butyl alcohol	10.0	9.26	93	70-130	
Methyl tert-butyl ether	10.0	10.3	103	70-130	
trans-1,2-Dichloroethene	10.0	10.9	109	70-130	
n-Hexane	10.0	10.1	101	70-130	
1,1-Dichloroethane	10.0	9.59	96	70-130	
Vinyl acetate	10.0	9.00	90	70-130	
Ethyl acetate	10.0	10.6	106	70-130	
Methyl Ethyl Ketone	10.0	9.23	92	70-130	
cis-1,2-Dichloroethene	10.0	9.48	95	70-130	
Chloroform	10.0	10.2	102	70-130	
Tetrahydrofuran	10.0	9.03	90	70-130	
1,1,1-Trichloroethane	10.0	10.1	101	70-130	
Cyclohexane	10.0	9.36	94	70-130	
Carbon tetrachloride	10.0	9.36	94	70-130	
2,2,4-Trimethylpentane	10.0	8.90	89	70-130	
Benzene	10.0	9.17	92	70-130	
1,2-Dichloroethane	10.0	10.0	100	70-130	
n-Heptane	10.0	8.75	87	70-130	
Trichloroethene	10.0	9.57	96	70-130	
Methyl methacrylate	10.0	10.1	101	70-130	
1,2-Dichloropropane	10.0	9.52	95	70-130	
1,4-Dioxane	10.0	9.41	94	70-130	

Column to be used to flag recovery and RPD values

FORM III TO-15

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

Lab Name: TestAmerica Burlington Job No.: 200-23144-1

SDG No.:

Matrix: Air Level: Low Lab File ID: 8512_003.D

Lab ID: LCS 200-74788/3 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Bromodichloromethane	10.0	10.6	106	70-130	
cis-1,3-Dichloropropene	10.0	11.1	111	70-130	
methyl isobutyl ketone	10.0	9.52	95	70-130	
Toluene	10.0	9.77	98	70-130	
trans-1,3-Dichloropropene	10.0	11.4	114	70-130	
1,1,2-Trichloroethane	10.0	9.92	99	70-130	
Tetrachloroethene	10.0	8.54	85	70-130	
Methyl Butyl Ketone (2-Hexanone)	10.0	8.41	84	70-130	
Dibromochloromethane	10.0	9.25	92	70-130	
1,2-Dibromoethane	10.0	10.0	100	70-130	
Chlorobenzene	10.0	9.54	95	70-130	
Ethylbenzene	10.0	9.88	99	70-130	
m,p-Xylene	20.0	19.0	95	70-130	
Xylene, o-	10.0	9.48	95	70-130	
Styrene	10.0	9.91	99	70-130	
Bromoform	10.0	8.73	87	70-130	
Cumene	10.0	9.58	96	70-130	
1,1,2,2-Tetrachloroethane	10.0	10.0	100	70-130	
n-Propylbenzene	10.0	9.80	98	70-130	
4-Ethyltoluene	10.0	9.59	96	70-130	
1,3,5-Trimethylbenzene	10.0	9.87	99	70-130	
2-Chlorotoluene	10.0	9.46	95	70-130	
tert-Butylbenzene	10.0	9.65	97	70-130	
1,2,4-Trimethylbenzene	10.0	9.99	100	70-130	
sec-Butylbenzene	10.0	9.98	100	70-130	
4-Isopropyltoluene	10.0	9.70	97	70-130	
1,3-Dichlorobenzene	10.0	9.52	95	70-130	
1,4-Dichlorobenzene	10.0	9.44	94	70-130	
Benzyl chloride	10.0	9.57	96	70-130	
n-Butylbenzene	10.0	10.3	103	70-130	
1,2-Dichlorobenzene	10.0	9.72	97	70-130	
1,2,4-Trichlorobenzene	10.0	9.44	94	70-130	
Hexachlorobutadiene	10.0	8.70	87	70-130	
Naphthalene	10.0	10.4	104	70-130	

Column to be used to flag recovery and RPD values

FORM III TO-15

FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-23084-1

SDG No.:

Lab File ID: 8501_004.D Lab Sample ID: MB 200-74747/4

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

Instrument ID: CHG.i Date Analyzed: 07/10/2014 13:30

GC Column: RTX-624 ID: 0.32(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 200-74747/3	8501_003.D	07/10/2014 12:39
2573	200-23084-7	8501_006.D	07/10/2014 15:18

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

Lab Name: TestAmerica Burlington | Job No.: 200-23084-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 200-74747/4

Matrix: Air | Lab File ID: 8501_004.D

Analysis Method: TO-15 | Date Collected:

Sample wt/vol: 200(mL) | Date Analyzed: 07/10/2014 13:30

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.: 74747 | 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.: 200-23084-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-74747/4

Matrix: Air Lab File ID: 8501_004.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 07/10/2014 13:30

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.: 74747 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.: 200-23084-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-74747/4

Matrix: Air Lab File ID: 8501_004.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 07/10/2014 13:30

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.: 74747 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\20140710-8501.b\8501_004.D
Lims ID: mb
Client ID:
Sample Type: MB
Inject. Date: 10-Jul-2014 13:30:30 ALS Bottle#: 5 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0008501-004
Misc. Info.: mb
Operator ID: PAD Instrument ID: CHG.i

Method: \\BTV-LIMS1\ChromData\CHG.i\20140710-8501.b\TO15_LLNJ_TO3_G.m
Limit Group: AI_TO15_ICAL
Last Update: 11-Jul-2014 11:01:18 Calib Date: 02-Jul-2014 22:50:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHG.i\20140702-8394.b\8394_010.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK036

First Level Reviewer: daiglep Date: 11-Jul-2014 09:19:04

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		2.758					ND	
2 Dichlorodifluoromethane	85		2.833					ND	
6 Chlorodifluoromethane	51		2.886					ND	
7 1,2-Dichloro-1,1,2,2-tetra	85		3.105					ND	
8 Chloromethane	50		3.244					ND	
9 Butane	43		3.453					ND	
10 Vinyl chloride	62		3.501					ND	
11 Butadiene	54		3.582					ND	
12 Bromomethane	94		4.298					ND	
14 Chloroethane	64		4.555					ND	
15 2-Methylbutane	43		4.625					ND	
16 Vinyl bromide	106		4.967					ND	
17 Trichlorofluoromethane	101		5.079					ND	
18 Pentane	43		5.229					ND	
19 Ethanol	45		5.732					ND	
21 Ethyl ether	59		5.796					ND	
22 Acrolein	56		6.219					ND	
23 1,1,2-Trichloro-1,2,2-trif	101		6.235					ND	
24 1,1-Dichloroethene	96		6.267					ND	
25 Acetone	43		6.545					ND	
26 Carbon disulfide	76		6.652					ND	
27 Isopropyl alcohol	45		6.882					ND	
29 3-Chloro-1-propene	41		7.118					ND	
30 Acetonitrile	41		7.284					ND	
31 Methylene Chloride	49		7.433					ND	
32 2-Methyl-2-propanol	59		7.695					ND	
33 Methyl tert-butyl ether	73		7.851					ND	
34 trans-1,2-Dichloroethene	61		7.877					ND	
35 Acrylonitrile	53		8.075					ND	
36 Hexane	57		8.279					ND	
37 1,1-Dichloroethane	63		8.803					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
38 Vinyl acetate	43		8.904					ND	
39 cis-1,2-Dichloroethene	96		9.948					ND	
40 2-Butanone (MEK)	72		10.017					ND	
42 Ethyl acetate	88		10.065					ND	
S 41 1,2-Dichloroethene, Total	61		10.200					0	
44 Tetrahydrofuran	42		10.408					ND	
* 43 Chlorobromomethane	128	10.418	10.424	-0.006	63	687257	10.0	10.0	
45 Chloroform	83		10.568					ND	
46 Cyclohexane	84		10.782					ND	
47 1,1,1-Trichloroethane	97		10.825					ND	
48 Carbon tetrachloride	117		11.071					ND	
51 Isooctane	57		11.531					ND	
50 Benzene	78		11.563					ND	
52 1,2-Dichloroethane	62		11.761					ND	
53 n-Heptane	43		11.932					ND	
* 54 1,4-Difluorobenzene	114	12.430	12.435	-0.005	90	4027213	10.0	10.0	
55 n-Butanol	56		12.847					ND	
56 Trichloroethene	95		12.885					ND	
A 57 GRO	1	13.064	(4.615-21.513)		0	834672		0	
58 1,2-Dichloropropane	63		13.462					ND	
59 Methyl methacrylate	69		13.655					ND	
60 1,4-Dioxane	88		13.687					ND	
61 Dibromomethane	174		13.719					ND	
62 Dichlorobromomethane	83		14.035					ND	
A 63 TVOC as Toluene	1	14.770	(2.748-26.793)		0	948339		0	
64 cis-1,3-Dichloropropene	75		15.014					ND	
65 4-Methyl-2-pentanone (MIBK	43		15.335					ND	
66 Toluene	92	15.634	15.624	0.010	1	525		0.002233	
A 67 Toluene Range	1	15.624	(15.584-15.664)		0	7293		NC	
69 n-Octane	43	15.693	15.688	0.005	1	360		0.002813	
A 68 C8 Range	1	15.718	(15.638-15.738)		0	3776		NC	
70 trans-1,3-Dichloropropene	75		16.260					ND	
71 1,1,2-Trichloroethane	83		16.645					ND	
72 Tetrachloroethene	166		16.726					ND	
73 2-Hexanone	43		17.116					ND	
74 Chlorodibromomethane	129		17.416					ND	
75 Ethylene Dibromide	107		17.694					ND	
* 76 Chlorobenzene-d5	117	18.603	18.603	0.000	78	5135744	10.0	10.0	
77 Chlorobenzene	112		18.668					ND	
78 Ethylbenzene	91	18.823	18.823	0.000	1	1269		0.002584	
79 n-Nonane	57		18.957					ND	
80 m-Xylene & p-Xylene	106	19.085	19.080	0.005	1	885		0.004127	
83 o-Xylene	106		19.930					ND	
84 Styrene	104		19.984					ND	
S 82 Xylenes, Total	106				0			0.004127	
85 Bromoform	173		20.401					ND	
86 Isopropylbenzene	105		20.615					ND	
* 87 4-Bromofluorobenzene	95	20.979	20.979	0.000	96	2940473	10.0	10.0	
88 1,1,2,2-Tetrachloroethane	83		21.268					ND	
90 N-Propylbenzene	91		21.332					ND	
89 1,2,3-Trichloropropane	75		21.364					ND	
93 n-Decane	57		21.503					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
91 4-Ethyltoluene	105		21.519					ND	
92 2-Chlorotoluene	91		21.524					ND	
94 1,3,5-Trimethylbenzene	105		21.626					ND	
95 Alpha Methyl Styrene	118		21.990					ND	
96 tert-Butylbenzene	119		22.113					ND	
97 1,2,4-Trimethylbenzene	105		22.204					ND	
98 sec-Butylbenzene	105		22.434					ND	
99 4-Isopropyltoluene	119		22.632					ND	
100 1,3-Dichlorobenzene	146		22.659					ND	
101 1,4-Dichlorobenzene	146		22.792					ND	
102 Benzyl chloride	91		22.996					ND	
103 n-Butylbenzene	91		23.199					ND	
104 Undecane	57		23.220					ND	
105 1,2-Dichlorobenzene	146		23.327					ND	
106 Dodecane	57		24.798					ND	
107 1,2,4-Trichlorobenzene	180		25.820					ND	
108 Hexachlorobutadiene	225		25.997					ND	
109 Naphthalene	128		26.312					ND	
110 1,2,3-Trichlorobenzene	180		26.783					ND	

QC Flag Legend

Processing Flags
NC - Not Calibrated
ND - Not Detected or Marked ND

Reagents:

ATTO15GIS_00009 Amount Added: 20.00 Units: mL Run Reagent

Report Date: 11-Jul-2014 11:01:21 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140710-8501.b\8501_004.D

Injection Date:	10-Jul-2014 13:30:30	Instrument ID:	CHG.i	Operator ID:	PAD
Lims ID:	mb			Worklist Smp#:	4
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 IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-23111-1

SDG No.:

Lab File ID: 8499_004.d Lab Sample ID: MB 200-74743/4

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

Instrument ID: CHW.i Date Analyzed: 07/10/2014 13:26

GC Column: RTX-624 ID: 0.32(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 200-74743/3	8499_003.d	07/10/2014 12:37
4324	200-23111-11	8499_006.d	07/10/2014 15:43

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

Lab Name: TestAmerica Burlington Job No.: 200-23111-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-74743/4

Matrix: Air Lab File ID: 8499_004.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 07/10/2014 13:26

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.: 74743 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.: 200-23111-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 200-74743/4

Matrix: Air | Lab File ID: 8499_004.d

Analysis Method: TO-15 | Date Collected:

Sample wt/vol: 200(mL) | Date Analyzed: 07/10/2014 13:26

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.: 74743 | 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.: 200-23111-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-74743/4

Matrix: Air Lab File ID: 8499_004.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 07/10/2014 13:26

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.: 74743 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\CHW.i\20140710-8499.b\8499_004.d
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 10-Jul-2014 13:26:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0008499-004
Misc. Info.: MB
Operator ID: bl Instrument ID: CHW.i

Method: \\BTV-LIMS1\ChromData\CHW.i\20140710-8499.b\TO15_LLNJ_TO3_W_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 10-Jul-2014 14:13:54 Calib Date: 15-Jun-2014 00:33:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20140613-8058.b\8058_017.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK037

First Level Reviewer: lyonsb Date: 10-Jul-2014 14:13:47

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
3 Difluoroethane TIC	51		3.150					ND	
4 Chlorotrifluoroethene TIC	116		3.162					ND	
5 Freon 115 TIC	85		3.180					ND	
1 Propene	41		4.392					0	
2 Dichlorodifluoromethane	85		4.483					ND	
6 Chlorodifluoromethane	51		4.547					ND	
7 1,2-Dichloro-1,1,2,2-tetra	85		4.831					ND	
8 Chloromethane	50		5.029					ND	
9 Butane	43		5.291					ND	
10 Vinyl chloride	62		5.344					ND	
11 Butadiene	54		5.446					ND	
20 1,1,1-Trifluoro-2,2-dichlo	83		6.000					ND	
12 Bromomethane	94		6.313					ND	
14 Chloroethane	64		6.596					ND	
15 2-Methylbutane	43		6.682					ND	
16 Vinyl bromide	106		7.072					ND	
17 Trichlorofluoromethane	101		7.190					ND	
28 Methyl Acetate TIC	43		7.342					ND	
18 Pentane	43		7.356					ND	
19 Ethanol	45		7.794					ND	
21 Ethyl ether	59		7.934					ND	
22 Acrolein	56		8.399					ND	
23 1,1,2-Trichloro-1,2,2-trif	101		8.436					ND	
24 1,1-Dichloroethene	96		8.511					ND	
25 Acetone	43		8.736					ND	
26 Carbon disulfide	76		8.998					ND	
27 Isopropyl alcohol	45		9.025					ND	
29 3-Chloro-1-propene	41		9.394					ND	
30 Acetonitrile	41		9.522					ND	
31 Methylene Chloride	49		9.726					ND	
32 2-Methyl-2-propanol	59		9.892					ND	

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		10.148					ND	
S 41 1,2-Dichloroethene, Total	61		10.200					0	
34 trans-1,2-Dichloroethene	61		10.223					ND	
35 Acrylonitrile	53		10.368					ND	
36 Hexane	57		10.635					ND	
37 1,1-Dichloroethane	63		11.186					ND	
38 Vinyl acetate	43		11.224					ND	
49 Methyl cyclohexane TIC	55		11.500					ND	
39 cis-1,2-Dichloroethene	96		12.363					ND	
40 2-Butanone (MEK)	72		12.374					ND	
42 Ethyl acetate	88		12.401					ND	
44 Tetrahydrofuran	42		12.839					ND	
* 43 Chlorobromomethane	128	12.845	12.845	-0.001	72	487198	10.0	10.0	
45 Chloroform	83		12.957					ND	
46 Cyclohexane	84		13.257					ND	
47 1,1,1-Trichloroethane	97		13.267					ND	
48 Carbon tetrachloride	117		13.519					ND	
51 Isooctane	57		13.909					ND	
50 Benzene	78		13.973					ND	
52 1,2-Dichloroethane	62		14.134					ND	
53 n-Heptane	43		14.257					ND	
* 54 1,4-Difluorobenzene	114	14.728	14.728	0.000	92	2386131	10.0	10.0	
A 57 GRO	1	14.760	(6.672-22.848)		0	394373		0	
55 n-Butanol	56		15.011					ND	
56 Trichloroethene	95		15.193					ND	
58 1,2-Dichloropropane	63		15.712					ND	
59 Methyl methacrylate	69		15.792					ND	
60 1,4-Dioxane	88		15.889					ND	
61 Dibromomethane	174		15.958					ND	
62 Dichlorobromomethane	83		16.204					ND	
A 63 TVOC as Toluene	92		(4.382-28.856)					0	
64 cis-1,3-Dichloropropene	75		17.071					ND	
65 4-Methyl-2-pentanone (MIBK	43		17.296					ND	
69 n-Octane	43		17.638					ND	
A 68 C8 Range	1	17.632	(17.588-17.676)		0	4788		NC	
66 Toluene	92		17.643					ND	
A 67 Toluene Range	92		(17.603-17.683)					0	
70 trans-1,3-Dichloropropene	75		18.173					ND	
71 1,1,2-Trichloroethane	83		18.542					ND	
72 Tetrachloroethene	166		18.681					ND	
73 2-Hexanone	43		18.927					ND	
74 Chlorodibromomethane	129		19.296					ND	
81 1,2-Dibromo-3-Chloropropan	75		19.300					ND	
75 Ethylene Dibromide	107		19.580					ND	
S 82 Xylenes, Total	106				0			0.0196	
* 76 Chlorobenzene-d5	117	20.425	20.425	0.000	79	2124767	10.0	10.0	
77 Chlorobenzene	112		20.484					ND	
78 Ethylbenzene	91		20.596					ND	
79 n-Nonane	57		20.650					ND	
80 m-Xylene & p-Xylene	106	20.816	20.810	0.006	23	1834		0.0143	
83 o-Xylene	106	21.532	21.527	0.005	21	702		0.005357	
84 Styrene	104		21.565					ND	

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		21.944					ND	
86 Isopropylbenzene	105		22.094					ND	
$ 87 4-Bromofluorobenzene	95	22.431	22.431	0.000	97	1293446	NC	NC	
88 1,1,2,2-Tetrachloroethane	83		22.656					ND	
90 N-Propylbenzene	91		22.725					ND	
89 1,2,3-Trichloropropane	75		22.758					ND	
93 n-Decane	57		22.838					ND	
91 4-Ethyltoluene	105		22.891					ND	
92 2-Chlorotoluene	91		22.929					ND	
94 1,3,5-Trimethylbenzene	105	22.988	22.982	0.006	15	2589		0.008509	7
95 Alpha Methyl Styrene	118		23.335					ND	
96 tert-Butylbenzene	119		23.458					ND	
97 1,2,4-Trimethylbenzene	105		23.555					ND	
98 sec-Butylbenzene	105		23.790					ND	
99 4-Isopropyltoluene	119		23.993					ND	
100 1,3-Dichlorobenzene	146	24.068	24.063	0.005	77	8570		0.0362	
101 1,4-Dichlorobenzene	146	24.207	24.207	0.000	79	9170		0.0396	
102 Benzyl chloride	91		24.416					ND	
104 Undecane	57		24.603					ND	
103 n-Butylbenzene	91		24.630					ND	
105 1,2-Dichlorobenzene	146	24.822	24.812	0.010	73	8437		0.0365	
106 Dodecane	57		26.401					ND	
107 1,2,4-Trichlorobenzene	180	27.701	27.701	0.000	51	12732		0.0680	
108 Hexachlorobutadiene	225	27.888	27.899	-0.011	51	4928		0.0252	
109 Naphthalene	128		28.284					ND	
110 1,2,3-Trichlorobenzene	180		28.846					ND	

QC Flag Legend

Processing Flags
NC - Not Calibrated
ND - Not Detected or Marked ND
7 - Failed Limit of Detection

Reagents:

ATTO15WISs_00003 Amount Added: 20.00 Units: mL Run Reagent

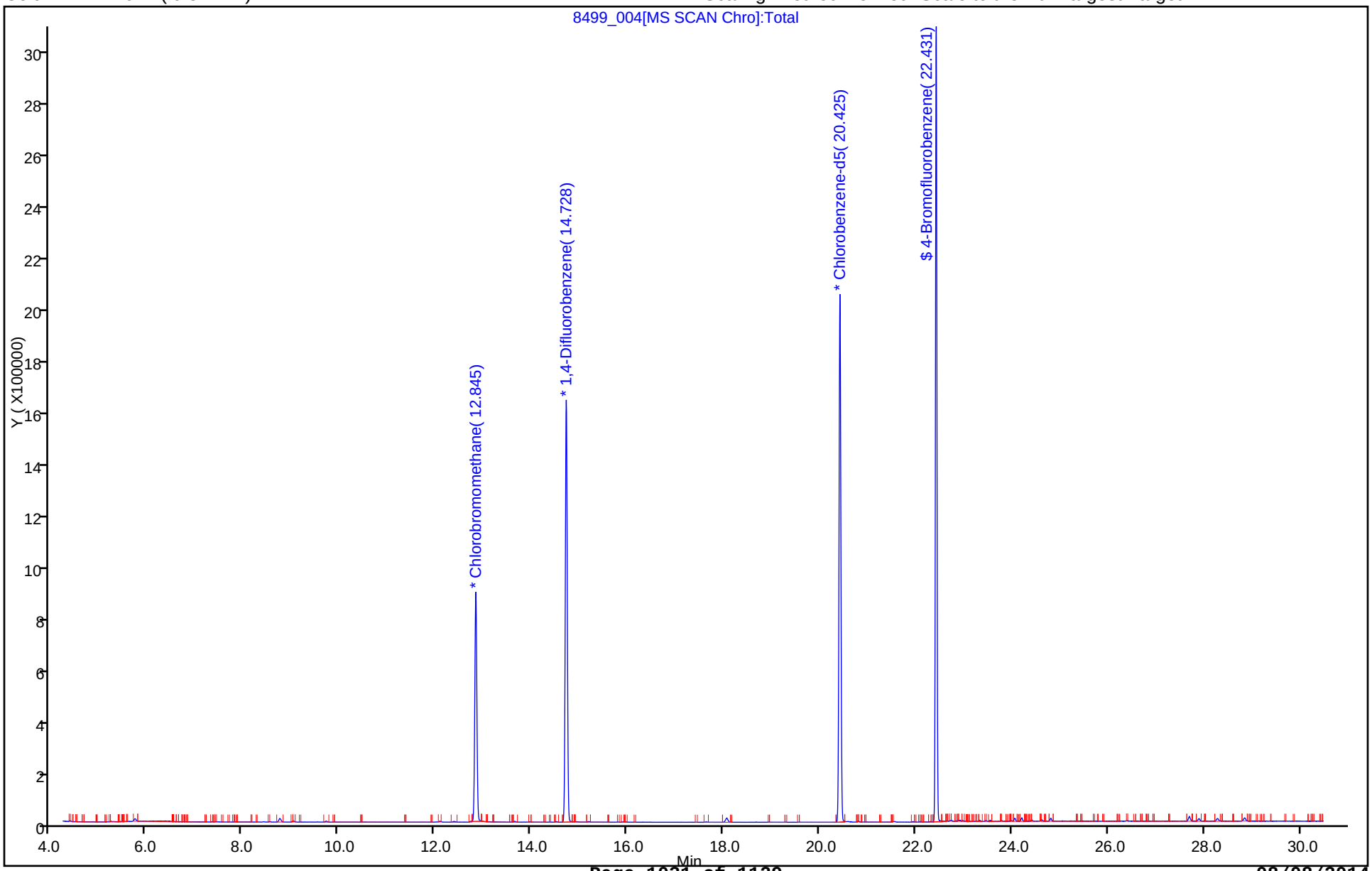
Report Date: 10-Jul-2014 14:13:55 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140710-8499.b\8499_004.d

Injection Date:	10-Jul-2014 13:26:30	Instrument ID:	CHW.i	Operator ID:	bl
Lims ID:	MB			Worklist Smp#:	4
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



FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-23144-1

SDG No.:

Lab File ID: 8512_004.D Lab Sample ID: MB 200-74788/4

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

Instrument ID: CHG.i Date Analyzed: 07/11/2014 12:24

GC Column: RTX-624 ID: 0.32(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 200-74788/3	8512_003.D	07/11/2014 11:33
4820	200-23144-2	8512_007.D	07/11/2014 15:04

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

Lab Name: TestAmerica Burlington Job No.: 200-23144-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-74788/4

Matrix: Air Lab File ID: 8512_004.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 07/11/2014 12:24

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.: 74788 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.: 200-23144-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 200-74788/4

Matrix: Air | Lab File ID: 8512_004.D

Analysis Method: TO-15 | Date Collected:

Sample wt/vol: 200(mL) | Date Analyzed: 07/11/2014 12:24

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.: 74788 | 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.: 200-23144-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-74788/4

Matrix: Air Lab File ID: 8512_004.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 07/11/2014 12:24

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.: 74788 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\20140711-8512.b\8512_004.D
Lims ID: mb
Client ID:
Sample Type: MB
Inject. Date: 11-Jul-2014 12:24:30 ALS Bottle#: 5 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0008512-004
Misc. Info.: mb
Operator ID: PAD Instrument ID: CHG.i

Method: \\BTV-LIMS1\ChromData\CHG.i\20140711-8512.b\TO15_LLNJ_TO3_G.m
Limit Group: AI_TO15_ICAL
Last Update: 14-Jul-2014 12:03:37 Calib Date: 02-Jul-2014 22:50:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHG.i\20140702-8394.b\8394_010.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK026

First Level Reviewer: daiglep Date: 14-Jul-2014 09:27:28

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		2.758					ND	
2 Dichlorodifluoromethane	85		2.833					ND	
6 Chlorodifluoromethane	51		2.886					ND	
7 1,2-Dichloro-1,1,2,2-tetra	85		3.105					ND	
8 Chloromethane	50		3.250					ND	
9 Butane	43		3.453					ND	
10 Vinyl chloride	62		3.501					ND	
11 Butadiene	54		3.581					ND	
12 Bromomethane	94		4.298					ND	
14 Chloroethane	64		4.560					ND	
15 2-Methylbutane	43		4.635					ND	
16 Vinyl bromide	106		4.972					ND	
17 Trichlorofluoromethane	101		5.079					ND	
18 Pentane	43		5.229					ND	
19 Ethanol	45		5.732					ND	
21 Ethyl ether	59		5.802					ND	
22 Acrolein	56		6.219					ND	
23 1,1,2-Trichloro-1,2,2-trif	101		6.235					ND	
24 1,1-Dichloroethene	96		6.267					ND	
25 Acetone	43		6.551					ND	
26 Carbon disulfide	76		6.652					ND	
27 Isopropyl alcohol	45		6.877					ND	
29 3-Chloro-1-propene	41		7.118					ND	
30 Acetonitrile	41		7.283					ND	
31 Methylene Chloride	49		7.428					ND	
32 2-Methyl-2-propanol	59		7.701					ND	
33 Methyl tert-butyl ether	73		7.851					ND	
34 trans-1,2-Dichloroethene	61		7.877					ND	
35 Acrylonitrile	53		8.075					ND	
36 Hexane	57		8.284					ND	
37 1,1-Dichloroethane	63		8.797					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
38 Vinyl acetate	43		8.899					ND	
39 cis-1,2-Dichloroethene	96		9.948					ND	
40 2-Butanone (MEK)	72		10.017					ND	
42 Ethyl acetate	88		10.060					ND	
S 41 1,2-Dichloroethene, Total	61		10.200					0	
44 Tetrahydrofuran	42		10.413					ND	
* 43 Chlorobromomethane	128	10.418	10.424	-0.006	63	664530	10.0	10.0	
45 Chloroform	83		10.563					ND	
46 Cyclohexane	84		10.777					ND	
47 1,1,1-Trichloroethane	97		10.825					ND	
48 Carbon tetrachloride	117		11.071					ND	
51 Isooctane	57		11.526					ND	
50 Benzene	78	11.558	11.558	0.000	1	1773		0.0103	
52 1,2-Dichloroethane	62		11.761					ND	
53 n-Heptane	43		11.932					ND	
* 54 1,4-Difluorobenzene	114	12.430	12.430	0.000	90	3899581	10.0	10.0	
55 n-Butanol	56		12.853					ND	
56 Trichloroethene	95		12.879					ND	
A 57 GRO	1	13.067	(4.625-21.508)		0	829377		0	
58 1,2-Dichloropropane	63		13.457					ND	
59 Methyl methacrylate	69		13.650					ND	
60 1,4-Dioxane	88		13.692					ND	
61 Dibromomethane	174		13.719					ND	
62 Dichlorobromomethane	83		14.029					ND	
A 63 TVOC as Toluene	1	14.768	(2.748-26.788)		0	906783		0	
64 cis-1,3-Dichloropropene	75		15.008					ND	
65 4-Methyl-2-pentanone (MIBK	43		15.329					ND	
A 67 Toluene Range	1	15.618	(15.578-15.658)		0	9969		NC	
66 Toluene	92	15.608	15.618	-0.010	34	1627		0.006952	
A 68 C8 Range	1		(15.638-15.738)					ND	
69 n-Octane	43	15.682	15.688	-0.006	1	355		0.002864	
70 trans-1,3-Dichloropropene	75		16.260					ND	
71 1,1,2-Trichloroethane	83		16.640					ND	
72 Tetrachloroethene	166		16.726					ND	
73 2-Hexanone	43		17.116					ND	
74 Chlorodibromomethane	129		17.416					ND	
75 Ethylene Dibromide	107		17.689					ND	
* 76 Chlorobenzene-d5	117	18.603	18.603	0.000	78	5113277	10.0	10.0	
77 Chlorobenzene	112		18.662					ND	
78 Ethylbenzene	91		18.823					ND	
79 n-Nonane	57		18.951					ND	
80 m-Xylene & p-Xylene	106	19.069	19.074	-0.005	38	1493		0.006993	
83 o-Xylene	106		19.925					ND	
84 Styrene	104		19.984					ND	
S 82 Xylenes, Total	106				0			0.006993	
85 Bromoform	173		20.401					ND	
86 Isopropylbenzene	105		20.610					ND	
* 87 4-Bromofluorobenzene	95	20.973	20.973	0.000	97	2872808	10.0	10.0	
88 1,1,2,2-Tetrachloroethane	83		21.262					ND	
90 N-Propylbenzene	91		21.326					ND	
89 1,2,3-Trichloropropane	75		21.359					ND	
93 n-Decane	57		21.498					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
91 4-Ethyltoluene	105		21.519					ND	
92 2-Chlorotoluene	91		21.524					ND	
94 1,3,5-Trimethylbenzene	105		21.626					ND	
95 Alpha Methyl Styrene	118		21.984					ND	
96 tert-Butylbenzene	119		22.108					ND	
97 1,2,4-Trimethylbenzene	105		22.204					ND	
98 sec-Butylbenzene	105		22.428					ND	
99 4-Isopropyltoluene	119		22.632					ND	
100 1,3-Dichlorobenzene	146		22.659					ND	
101 1,4-Dichlorobenzene	146		22.792					ND	
102 Benzyl chloride	91		22.990					ND	
103 n-Butylbenzene	91		23.199					ND	
104 Undecane	57		23.220					ND	
105 1,2-Dichlorobenzene	146		23.322					ND	
106 Dodecane	57		24.793					ND	
107 1,2,4-Trichlorobenzene	180		25.815					ND	
108 Hexachlorobutadiene	225		25.997					ND	
109 Naphthalene	128		26.307					ND	
110 1,2,3-Trichlorobenzene	180		26.778					ND	

QC Flag Legend

Processing Flags
NC - Not Calibrated
ND - Not Detected or Marked ND

Reagents:

ATTO15GIS_00009 Amount Added: 20.00 Units: mL Run Reagent

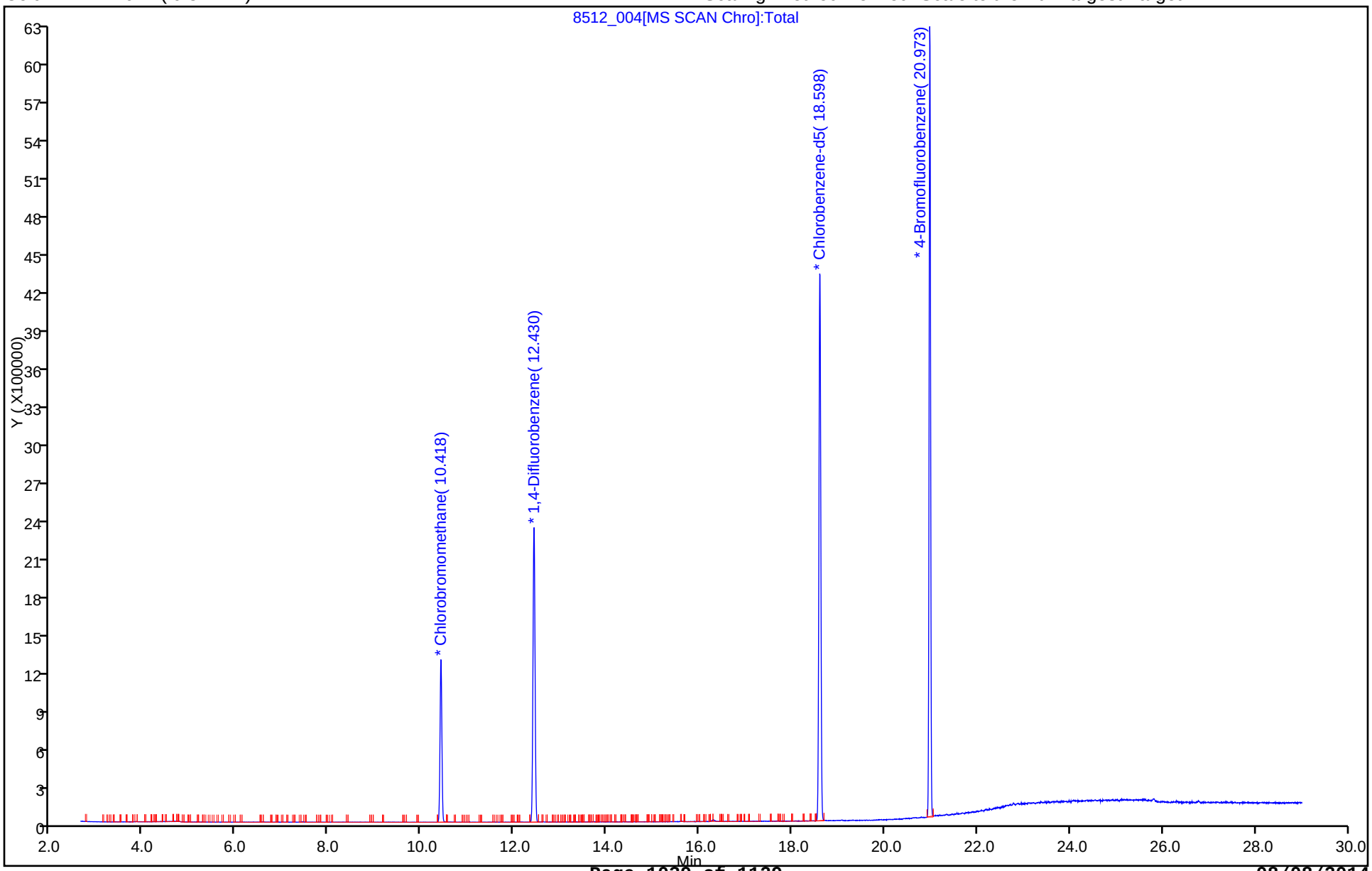
Report Date: 14-Jul-2014 12:03:39 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140711-8512.b\8512_004.D

Injection Date:	11-Jul-2014 12:24:30	Instrument ID:	CHG.i	Operator ID:	PAD
Lims ID:	mb			Worklist Smp#:	4
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.: 200-23084-1

SDG No.:

Lab File ID: 8394_001.D BFB Injection Date: 07/02/2014

Instrument ID: CHG.i BFB Injection Time: 15:15

Analysis Batch No.: 74492

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	11.2	
75	30.0 - 66.0% of mass 95	38.9	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	6.9	
173	Less than 2.0% of mass 174	0.5	(0.4)1
174	50.0 - 120.0% of mass 95	113.8	
175	4.0 - 9.0 % of mass 174	8.0	(7.0)1
176	93.0 - 101.0% of mass 174	112.4	(98.8)1
177	5.0 - 9.0% of mass 176	7.5	(6.7)2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 200-74492/3	8394_003.D	07/02/2014	16:53
	IC 200-74492/4	8394_004.D	07/02/2014	17:44
	IC 200-74492/5	8394_005.D	07/02/2014	18:35
	IC 200-74492/6	8394_006.D	07/02/2014	19:26
	ICIS 200-74492/7	8394_007.D	07/02/2014	20:17
	IC 200-74492/8	8394_008.D	07/02/2014	21:08
	IC 200-74492/9	8394_009.D	07/02/2014	21:59
	IC 200-74492/10	8394_010.D	07/02/2014	22:50
	ICV 200-74492/13	8394_013.D	07/03/2014	01:24

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-23084-1

SDG No.:

Lab File ID: 8501_001.D BFB Injection Date: 07/10/2014

Instrument ID: CHG.i BFB Injection Time: 10:45

Analysis Batch No.: 74747

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	10.8	
75	30.0 - 66.0% of mass 95	38.7	
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	0.5	(0.4)1
174	50.0 - 120.0% of mass 95	118.7	
175	4.0 - 9.0 % of mass 174	8.2	(6.9)1
176	93.0 - 101.0% of mass 174	118.6	(99.9)1
177	5.0 - 9.0% of mass 176	7.8	(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 200-74747/2	8501_002.D	07/10/2014	11:47
	LCS 200-74747/3	8501_003.D	07/10/2014	12:39
	MB 200-74747/4	8501_004.D	07/10/2014	13:30
2573	200-23084-7	8501_006.D	07/10/2014	15:18

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-23111-1

SDG No.:

Lab File ID: 8058_001.d BFB Injection Date: 06/14/2014

Instrument ID: CHW.i BFB Injection Time: 06:27

Analysis Batch No.: 73568

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	13.5	
75	30.0 - 66.0% of mass 95	42.4	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	6.9	
173	Less than 2.0% of mass 174	0.5	(0.4)1
174	50.0 - 120.0% of mass 95	107.0	
175	4.0 - 9.0 % of mass 174	7.6	(7.1)1
176	93.0 - 101.0% of mass 174	105.6	(98.7)1
177	5.0 - 9.0% of mass 176	7.0	(6.6)2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 200-73568/5	8058_005.d	06/14/2014	09:46
	IC 200-73568/6	8058_006.d	06/14/2014	10:36
	ICIS 200-73568/7	8058_007.d	06/14/2014	11:26
	IC 200-73568/8	8058_008.d	06/14/2014	12:16
	IC 200-73568/9	8058_009.d	06/14/2014	13:06
	IC 200-73568/10	8058_010.d	06/14/2014	13:56
	IC 200-73568/16	8058_016.d	06/14/2014	23:41
	IC 200-73568/17	8058_017.d	06/15/2014	00:33
	ICV 200-73568/19	8058_019.d	06/15/2014	02:11

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-23111-1

SDG No.:

Lab File ID: 8499_001.d BFB Injection Date: 07/10/2014

Instrument ID: CHW.i BFB Injection Time: 10:45

Analysis Batch No.: 74743

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	13.5	
75	30.0 - 66.0% of mass 95	42.8	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	6.8	
173	Less than 2.0% of mass 174	0.5	(0.5)1
174	50.0 - 120.0% of mass 95	105.3	
175	4.0 - 9.0 % of mass 174	7.3	(6.9)1
176	93.0 - 101.0% of mass 174	102.8	(97.6)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
	CCVIS 200-74743/2	8499_002.d	07/10/2014	11:48
	LCS 200-74743/3	8499_003.d	07/10/2014	12:37
	MB 200-74743/4	8499_004.d	07/10/2014	13:26
4324	200-23111-11	8499_006.d	07/10/2014	15:43

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-23144-1

SDG No.:

Lab File ID: 8394_001.D BFB Injection Date: 07/02/2014

Instrument ID: CHG.i BFB Injection Time: 15:15

Analysis Batch No.: 74492

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	11.2	
75	30.0 - 66.0% of mass 95	38.9	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	6.9	
173	Less than 2.0% of mass 174	0.5	(0.4)1
174	50.0 - 120.0% of mass 95	113.8	
175	4.0 - 9.0 % of mass 174	8.0	(7.0)1
176	93.0 - 101.0% of mass 174	112.4	(98.8)1
177	5.0 - 9.0% of mass 176	7.5	(6.7)2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 200-74492/3	8394_003.D	07/02/2014	16:53
	IC 200-74492/4	8394_004.D	07/02/2014	17:44
	IC 200-74492/5	8394_005.D	07/02/2014	18:35
	IC 200-74492/6	8394_006.D	07/02/2014	19:26
	ICIS 200-74492/7	8394_007.D	07/02/2014	20:17
	IC 200-74492/8	8394_008.D	07/02/2014	21:08
	IC 200-74492/9	8394_009.D	07/02/2014	21:59
	IC 200-74492/10	8394_010.D	07/02/2014	22:50
	ICV 200-74492/13	8394_013.D	07/03/2014	01:24

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-23144-1

SDG No.:

Lab File ID: 8512_001.D BFB Injection Date: 07/11/2014

Instrument ID: CHG.i BFB Injection Time: 09:53

Analysis Batch No.: 74788

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	10.6	
75	30.0 - 66.0% of mass 95	38.2	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	6.9	
173	Less than 2.0% of mass 174	0.5	(0.4)1
174	50.0 - 120.0% of mass 95	118.1	
175	4.0 - 9.0 % of mass 174	8.2	(7.0)1
176	93.0 - 101.0% of mass 174	118.0	(99.9)1
177	5.0 - 9.0% of mass 176	7.7	(6.5)2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 200-74788/2	8512_002.D	07/11/2014	10:42
	LCS 200-74788/3	8512_003.D	07/11/2014	11:33
	MB 200-74788/4	8512_004.D	07/11/2014	12:24
4820	200-23144-2	8512_007.D	07/11/2014	15:04

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

Lab Name: TestAmerica Burlington Job No.: 200-23084-1

SDG No.:

Sample No.: ICIS 200-74492/7 Date Analyzed: 07/02/2014 20:17

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

Lab File ID (Standard): 8394_007.D Heated Purge: (Y/N) N

Calibration ID: 27459

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		736541	10.43	4220208	12.44	4976595	18.61
UPPER LIMIT		1031157	10.76	5908291	12.77	6967233	18.94
LOWER LIMIT		441925	10.10	2532125	12.11	2985957	18.28
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 200-74492/13		781655	10.44	4558559	12.44	5388793	18.62

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

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO-15

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

Lab Name: TestAmerica Burlington Job No.: 200-23084-1

SDG No.:

Sample No.: CCVIS 200-74747/2 Date Analyzed: 07/10/2014 11:47

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

Lab File ID (Standard): 8501_002.D Heated Purge: (Y/N) N

Calibration ID: 27459

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		670989	10.42	3918400	12.44	4965900	18.60
UPPER LIMIT		939385	10.75	5485760	12.77	6952260	18.93
LOWER LIMIT		402593	10.09	2351040	12.11	2979540	18.27
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 200-74747/3		676551	10.42	3955574	12.43	5131353	18.60
MB 200-74747/4		687257	10.42	4027213	12.43	5135744	18.60
200-23084-7	2573	676880	10.42	3991496	12.43	4965517	18.60

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

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO-15

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

Lab Name: TestAmerica Burlington Job No.: 200-23111-1

SDG No.:

Sample No.: ICIS 200-73568/7 Date Analyzed: 06/14/2014 11:26

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

Lab File ID (Standard): 8058_007.d Heated Purge: (Y/N) N

Calibration ID: 27113

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		621706	12.86	3022390	14.74	2781609	20.43
UPPER LIMIT		870388	13.19	4231346	15.07	3894253	20.76
LOWER LIMIT		373024	12.53	1813434	14.41	1668965	20.10
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 200-73568/19		662374	12.86	3213738	14.74	2947455	20.43

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

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO-15

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

Lab Name: TestAmerica Burlington Job No.: 200-23111-1

SDG No.:

Sample No.: CCVIS 200-74743/2 Date Analyzed: 07/10/2014 11:48

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

Lab File ID (Standard): 8499_002.d Heated Purge: (Y/N) N

Calibration ID: 27113

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		443776	12.85	2146719	14.73	2000038	20.43
UPPER LIMIT		621286	13.18	3005407	15.06	2800053	20.76
LOWER LIMIT		266266	12.52	1288031	14.40	1200023	20.10
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 200-74743/3		478337	12.85	2319245	14.73	2132643	20.43
MB 200-74743/4		487198	12.85	2386131	14.73	2124767	20.43
200-23111-11	4324	429250	12.84	2120182	14.73	1892204	20.43

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

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO-15

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

Lab Name: TestAmerica Burlington Job No.: 200-23144-1

SDG No.:

Sample No.: ICIS 200-74492/7 Date Analyzed: 07/02/2014 20:17

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

Lab File ID (Standard): 8394_007.D Heated Purge: (Y/N) N

Calibration ID: 27459

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		736541	10.43	4220208	12.44	4976595	18.61
UPPER LIMIT		1031157	10.76	5908291	12.77	6967233	18.94
LOWER LIMIT		441925	10.10	2532125	12.11	2985957	18.28
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 200-74492/13		781655	10.44	4558559	12.44	5388793	18.62

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

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO-15

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

Lab Name: TestAmerica Burlington Job No.: 200-23144-1

SDG No.:

Sample No.: CCVIS 200-74788/2 Date Analyzed: 07/11/2014 10:42

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

Lab File ID (Standard): 8512_002.D Heated Purge: (Y/N) N

Calibration ID: 27459

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		647001	10.42	3822370	12.43	5094417	18.60
UPPER LIMIT		905801	10.75	5351318	12.76	7132184	18.93
LOWER LIMIT		388201	10.09	2293422	12.10	3056650	18.27
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 200-74788/3		652300	10.42	3808018	12.43	5124662	18.60
MB 200-74788/4		664530	10.42	3899581	12.43	5113277	18.60
200-23144-2	4820	655223	10.42	3819108	12.43	4957753	18.60

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

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO-15

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

Lab Name: TestAmerica Burlington Job No.: 200-23084-1

SDG No.:

Client Sample ID: 2573 Lab Sample ID: 200-23084-7

Matrix: Air Lab File ID: 8501_006.D

Analysis Method: TO-15 Date Collected: 07/03/2014 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 07/10/2014 15:18

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.: 74747 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.: 200-23084-1

SDG No.:

Client Sample ID: 2573 Lab Sample ID: 200-23084-7

Matrix: Air Lab File ID: 8501_006.D

Analysis Method: TO-15 Date Collected: 07/03/2014 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 07/10/2014 15:18

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.: 74747 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.: 200-23084-1

SDG No.:

Client Sample ID: 2573 Lab Sample ID: 200-23084-7

Matrix: Air Lab File ID: 8501_006.D

Analysis Method: TO-15 Date Collected: 07/03/2014 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 07/10/2014 15:18

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.: 74747 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\20140710-8501.b\8501_006.D
Lims ID: 200-23084-A-7 Lab Sample ID: 200-23084-7
Client ID: 2573
Sample Type: Client
Inject. Date: 10-Jul-2014 15:18:30 ALS Bottle#: 7 Worklist Smp#: 6
Purge Vol: 200.000 mL Dil. Factor: 0.2000
Sample Info: 200-0008501-006
Misc. Info.: 23084-07
Operator ID: PAD Instrument ID: CHG.i

Method: \\BTV-LIMS1\ChromData\CHG.i\20140710-8501.b\TO15_LLNJ_TO3_G.m
Limit Group: AI_TO15_ICAL
Last Update: 11-Jul-2014 11:01:18 Calib Date: 02-Jul-2014 22:50:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHG.i\20140702-8394.b\8394_010.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK036

First Level Reviewer: daiglep Date: 11-Jul-2014 10:03:32

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
1 Propene	41		2.758				ND	
2 Dichlorodifluoromethane	85		2.833				ND	
6 Chlorodifluoromethane	51		2.886				ND	
7 1,2-Dichloro-1,1,2,2-tetra	85		3.105				ND	
8 Chloromethane	50		3.244				ND	
9 Butane	43		3.453				ND	
10 Vinyl chloride	62		3.501				ND	
11 Butadiene	54		3.582				ND	
12 Bromomethane	94		4.298				ND	
14 Chloroethane	64		4.555				ND	
16 Vinyl bromide	106		4.967				ND	
17 Trichlorofluoromethane	101		5.079				ND	
19 Ethanol	45		5.732				ND	
23 1,1,2-Trichloro-1,2,2-trif	101		6.235				ND	
24 1,1-Dichloroethene	96		6.267				ND	
25 Acetone	43		6.545				ND	
26 Carbon disulfide	76	6.652	6.652	0.000	86	15435	0.1464	
27 Isopropyl alcohol	45		6.882				ND	
29 3-Chloro-1-propene	41		7.118				ND	
31 Methylene Chloride	49		7.433				ND	
32 2-Methyl-2-propanol	59		7.695				ND	
33 Methyl tert-butyl ether	73		7.851				ND	
34 trans-1,2-Dichloroethene	61		7.877				ND	
36 Hexane	57	8.300	8.279	0.021	53	1729	0.0508	
37 1,1-Dichloroethane	63		8.803				ND	
38 Vinyl acetate	43		8.904				ND	
39 cis-1,2-Dichloroethene	96		9.948				ND	
40 2-Butanone (MEK)	72		10.017				ND	
42 Ethyl acetate	88		10.065				ND	
S 41 1,2-Dichloroethene, Total	61		10.200				0	
44 Tetrahydrofuran	42		10.408				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
* 43 Chlorobromomethane	128	10.418	10.424	-0.006	64	676880	10.0	
45 Chloroform	83		10.568				ND	
46 Cyclohexane	84		10.782				ND	
47 1,1,1-Trichloroethane	97		10.825				ND	
48 Carbon tetrachloride	117		11.071				ND	
51 Isooctane	57		11.531				ND	
50 Benzene	78	11.558	11.563	-0.005	1	1372	0.007773	
52 1,2-Dichloroethane	62		11.761				ND	
53 n-Heptane	43		11.932				ND	
* 54 1,4-Difluorobenzene	114	12.430	12.435	-0.005	90	3991496	10.0	
56 Trichloroethene	95		12.885				ND	
58 1,2-Dichloropropane	63		13.462				ND	
59 Methyl methacrylate	69		13.655				ND	
60 1,4-Dioxane	88		13.687				ND	
61 Dibromomethane	174		13.719				ND	
62 Dichlorobromomethane	83		14.035				ND	
64 cis-1,3-Dichloropropene	75		15.014				ND	
65 4-Methyl-2-pentanone (MIBK	43		15.335				ND	
66 Toluene	92	15.624	15.624	0.000	3	325	0.001430	
70 trans-1,3-Dichloropropene	75		16.260				ND	
71 1,1,2-Trichloroethane	83		16.645				ND	
72 Tetrachloroethene	166		16.726				ND	
73 2-Hexanone	43		17.116				ND	
74 Chlorodibromomethane	129		17.416				ND	
75 Ethylene Dibromide	107		17.694				ND	
* 76 Chlorobenzene-d5	117	18.603	18.603	0.000	78	4965517	10.0	
77 Chlorobenzene	112		18.668				ND	
78 Ethylbenzene	91		18.823				ND	
80 m-Xylene & p-Xylene	106		19.080				ND	
83 o-Xylene	106		19.930				ND	
84 Styrene	104		19.984				ND	
S 82 Xylenes, Total	106		20.100				0	
85 Bromoform	173		20.401				ND	
86 Isopropylbenzene	105		20.615				ND	
* 87 4-Bromofluorobenzene	95	20.979	20.979	0.000	96	2882957	10.0	
88 1,1,2,2-Tetrachloroethane	83		21.268				ND	
90 N-Propylbenzene	91		21.332				ND	
91 4-Ethyltoluene	105		21.519				ND	
92 2-Chlorotoluene	91		21.524				ND	
94 1,3,5-Trimethylbenzene	105		21.626				ND	
96 tert-Butylbenzene	119		22.113				ND	
97 1,2,4-Trimethylbenzene	105		22.204				ND	
98 sec-Butylbenzene	105		22.434				ND	
99 4-Isopropyltoluene	119		22.632				ND	
100 1,3-Dichlorobenzene	146		22.659				ND	
101 1,4-Dichlorobenzene	146		22.792				ND	
102 Benzyl chloride	91		22.996				ND	
103 n-Butylbenzene	91		23.199				ND	
105 1,2-Dichlorobenzene	146		23.327				ND	
107 1,2,4-Trichlorobenzene	180		25.820				ND	
108 Hexachlorobutadiene	225		25.997				ND	
109 Naphthalene	128		26.312				ND	

QC Flag Legend

Processing Flags
ND - Not Detected or Marked ND

Reagents:

ATTO15GIS_00009 Amount Added: 20.00 Units: mL Run Reagent

Report Date: 11-Jul-2014 11:01:23 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140710-8501.b\8501_006.D

Injection Date:	10-Jul-2014 15:18:30	Instrument ID:	CHG.i	Operator ID:	PAD
Lims ID:	200-23084-A-7	Lab Sample ID:	200-23084-7	Worklist Smp#:	6
Client ID:	2573				
Purge Vol:	200.000 mL	Dil. Factor:	0.2000	ALS Bottle#:	7
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 I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-23111-1

SDG No.:

Client Sample ID: 4324 Lab Sample ID: 200-23111-11

Matrix: Air Lab File ID: 8499_006.d

Analysis Method: TO-15 Date Collected: 07/08/2014 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 07/10/2014 15:43

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.: 74743 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.: 200-23111-1

SDG No.:

Client Sample ID: 4324 Lab Sample ID: 200-23111-11

Matrix: Air Lab File ID: 8499_006.d

Analysis Method: TO-15 Date Collected: 07/08/2014 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 07/10/2014 15:43

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.: 74743 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.: 200-23111-1

SDG No.:

Client Sample ID: 4324 Lab Sample ID: 200-23111-11

Matrix: Air Lab File ID: 8499_006.d

Analysis Method: TO-15 Date Collected: 07/08/2014 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 07/10/2014 15:43

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.: 74743 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\CHW.i\20140710-8499.b\8499_006.d
Lims ID: 200-23111-A-11 Lab Sample ID: 200-23111-11
Client ID: 4324
Sample Type: Client
Inject. Date: 10-Jul-2014 15:43:30 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 200.000 mL Dil. Factor: 0.2000
Sample Info: 200-0008499-006
Misc. Info.: 200-23111-A-5
Operator ID: bl Instrument ID: CHW.i

Method: \\BTV-LIMS1\ChromData\CHW.i\20140710-8499.b\TO15_LLNJ_TO3_W_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 10-Jul-2014 16:24:28 Calib Date: 15-Jun-2014 00:33:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20140613-8058.b\8058_017.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK037

First Level Reviewer: lyonsb Date: 10-Jul-2014 16:24:21

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
1 Propene	41	4.397	4.392	0.005	95	9223	0.2925	
2 Dichlorodifluoromethane	85		4.483				ND	
6 Chlorodifluoromethane	51		4.547				ND	
7 1,2-Dichloro-1,1,2,2-tetra	85		4.831				ND	
8 Chloromethane	50		5.029				ND	
9 Butane	43		5.291				ND	
10 Vinyl chloride	62		5.344				ND	
11 Butadiene	54		5.446				ND	
12 Bromomethane	94		6.313				ND	
14 Chloroethane	64		6.596				ND	
16 Vinyl bromide	106		7.072				ND	
17 Trichlorofluoromethane	101		7.190				ND	
19 Ethanol	45		7.794				ND	
23 1,1,2-Trichloro-1,2,2-trif	101		8.436				ND	
24 1,1-Dichloroethene	96		8.511				ND	
25 Acetone	43		8.736				ND	
26 Carbon disulfide	76	9.003	8.998	0.005	90	12657	0.0976	
27 Isopropyl alcohol	45		9.025				ND	
29 3-Chloro-1-propene	41		9.394				ND	
31 Methylene Chloride	49		9.726				ND	
32 2-Methyl-2-propanol	59		9.892				ND	
33 Methyl tert-butyl ether	73		10.148				ND	
S 41 1,2-Dichloroethene, Total	61		10.200				0	
34 trans-1,2-Dichloroethene	61		10.223				ND	
36 Hexane	57		10.635				ND	
37 1,1-Dichloroethane	63		11.186				ND	
38 Vinyl acetate	43		11.224				ND	
39 cis-1,2-Dichloroethene	96		12.363				ND	
40 2-Butanone (MEK)	72		12.374				ND	
42 Ethyl acetate	88		12.401				ND	
44 Tetrahydrofuran	42		12.839				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
* 43 Chlorobromomethane	128	12.844	12.845	-0.001	74	429250	10.0	
45 Chloroform	83		12.957				ND	
46 Cyclohexane	84		13.257				ND	
47 1,1,1-Trichloroethane	97		13.267				ND	
48 Carbon tetrachloride	117		13.519				ND	
51 Isooctane	57		13.909				ND	
50 Benzene	78		13.973				ND	
52 1,2-Dichloroethane	62		14.134				ND	
53 n-Heptane	43		14.257				ND	
* 54 1,4-Difluorobenzene	114	14.727	14.728	-0.001	92	2120182	10.0	
56 Trichloroethene	95		15.193				ND	
58 1,2-Dichloropropane	63		15.712				ND	
59 Methyl methacrylate	69		15.792				ND	
60 1,4-Dioxane	88		15.889				ND	
61 Dibromomethane	174		15.958				ND	
62 Dichlorobromomethane	83		16.204				ND	
64 cis-1,3-Dichloropropene	75		17.071				ND	
65 4-Methyl-2-pentanone (MIBK	43		17.296				ND	
66 Toluene	92		17.643				ND	
70 trans-1,3-Dichloropropene	75		18.173				ND	
71 1,1,2-Trichloroethane	83		18.542				ND	
72 Tetrachloroethene	166		18.681				ND	
73 2-Hexanone	43		18.927				ND	
74 Chlorodibromomethane	129		19.296				ND	
75 Ethylene Dibromide	107		19.580				ND	
S 82 Xylenes, Total	106		20.100				0	
* 76 Chlorobenzene-d5	117	20.425	20.425	0.000	80	1892204	10.0	
77 Chlorobenzene	112		20.484				ND	
78 Ethylbenzene	91		20.596				ND	
80 m-Xylene & p-Xylene	106		20.810				ND	
83 o-Xylene	106		21.527				ND	
84 Styrene	104		21.565				ND	
85 Bromoform	173		21.944				ND	
86 Isopropylbenzene	105		22.094				ND	
$ 87 4-Bromofluorobenzene	95	22.431	22.431	0.000	98	1192087	NC	
88 1,1,2,2-Tetrachloroethane	83		22.656				ND	
90 N-Propylbenzene	91		22.725				ND	
91 4-Ethyltoluene	105		22.891				ND	
92 2-Chlorotoluene	91		22.929				ND	
94 1,3,5-Trimethylbenzene	105		22.982				ND	
96 tert-Butylbenzene	119		23.458				ND	
97 1,2,4-Trimethylbenzene	105		23.555				ND	
98 sec-Butylbenzene	105		23.790				ND	
99 4-Isopropyltoluene	119		23.993				ND	
100 1,3-Dichlorobenzene	146		24.063				ND	
101 1,4-Dichlorobenzene	146		24.207				ND	
102 Benzyl chloride	91		24.416				ND	
103 n-Butylbenzene	91		24.630				ND	
105 1,2-Dichlorobenzene	146		24.812				ND	
107 1,2,4-Trichlorobenzene	180		27.701				ND	
108 Hexachlorobutadiene	225		27.899				ND	
109 Naphthalene	128		28.284				ND	

QC Flag Legend

Processing Flags
NC - Not Calibrated
ND - Not Detected or Marked ND

Reagents:

ATTO15WISs_00003 Amount Added: 20.00 Units: mL Run Reagent

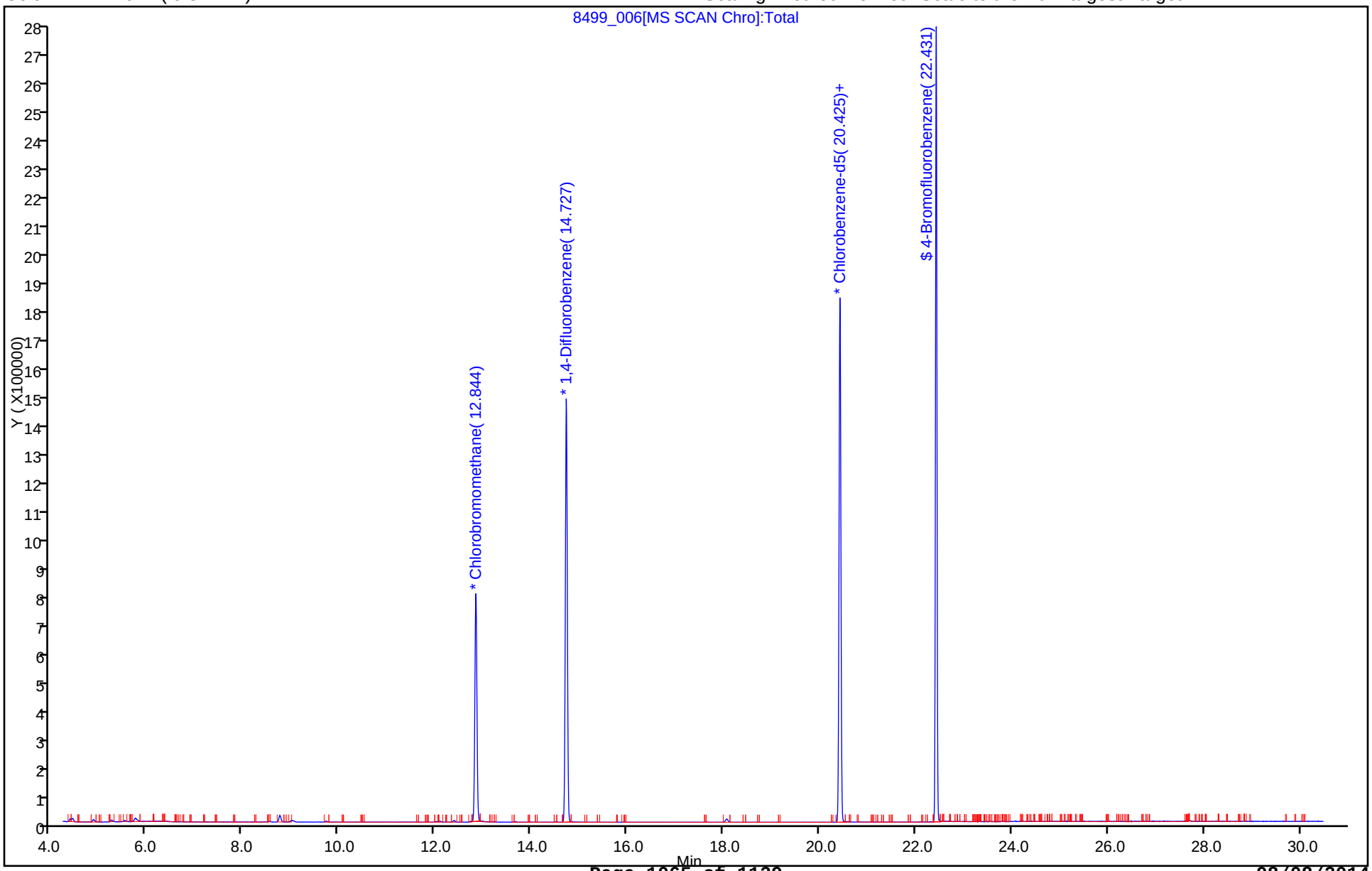
Report Date: 10-Jul-2014 16:24:28 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140710-8499.b\8499_006.d

Injection Date:	10-Jul-2014 15:43:30	Instrument ID:	CHW.i	Operator ID:	bl
Lims ID:	200-23111-A-11	Lab Sample ID:	200-23111-11	Worklist Smp#:	6
Client ID:	4324				
Purge Vol:	200.000 mL	Dil. Factor:	0.2000	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



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

Lab Name: TestAmerica Burlington Job No.: 200-23144-1

SDG No.:

Client Sample ID: 4820 Lab Sample ID: 200-23144-2

Matrix: Air Lab File ID: 8512_007.D

Analysis Method: TO-15 Date Collected: 07/10/2014 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 07/11/2014 15:04

Soil Aliquot Vol: Dilution Factor: 0.2

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 74788 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.: 200-23144-1

SDG No.:

Client Sample ID: 4820 Lab Sample ID: 200-23144-2

Matrix: Air Lab File ID: 8512_007.D

Analysis Method: TO-15 Date Collected: 07/10/2014 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 07/11/2014 15:04

Soil Aliquot Vol: Dilution Factor: 0.2

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 74788 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.: 200-23144-1

SDG No.:

Client Sample ID: 4820 Lab Sample ID: 200-23144-2

Matrix: Air Lab File ID: 8512_007.D

Analysis Method: TO-15 Date Collected: 07/10/2014 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 07/11/2014 15:04

Soil Aliquot Vol: Dilution Factor: 0.2

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 74788 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\20140711-8512.b\8512_007.D
Lims ID: 200-23144-A-2 Lab Sample ID: 200-23144-2
Client ID: 4820
Sample Type: Client
Inject. Date: 11-Jul-2014 15:04:30 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 200.000 mL Dil. Factor: 0.2000
Sample Info: 200-0008512-007
Misc. Info.: 23144-02
Operator ID: PAD Instrument ID: CHG.i

Method: \\BTV-LIMS1\ChromData\CHG.i\20140711-8512.b\TO15_LLNJ_TO3_G.m
Limit Group: AI_TO15_ICAL
Last Update: 14-Jul-2014 12:03:37 Calib Date: 02-Jul-2014 22:50:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHG.i\20140702-8394.b\8394_010.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK026

First Level Reviewer: desjardinsb Date: 11-Jul-2014 15:52:07

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
1 Propene	41		2.758				0	
2 Dichlorodifluoromethane	85		2.833				0	
6 Chlorodifluoromethane	51		2.886				0	
7 1,2-Dichloro-1,1,2,2-tetra	85		3.105				ND	
8 Chloromethane	50		3.250				0	
9 Butane	43		3.453				0	
10 Vinyl chloride	62		3.501				ND	
11 Butadiene	54		3.581				0	
12 Bromomethane	94		4.298				ND	
14 Chloroethane	64		4.560				ND	
16 Vinyl bromide	106		4.972				ND	
17 Trichlorofluoromethane	101		5.079				ND	
19 Ethanol	45		5.732				0	
23 1,1,2-Trichloro-1,2,2-trif	101		6.235				ND	
24 1,1-Dichloroethene	96		6.267				ND	
25 Acetone	43		6.551				0	
26 Carbon disulfide	76		6.652				0	
27 Isopropyl alcohol	45		6.877				0	
29 3-Chloro-1-propene	41		7.118				0	
31 Methylene Chloride	49		7.428				0	
32 2-Methyl-2-propanol	59		7.701				ND	
33 Methyl tert-butyl ether	73		7.851				ND	
34 trans-1,2-Dichloroethene	61		7.877				ND	
36 Hexane	57		8.284				ND	
37 1,1-Dichloroethane	63		8.797				ND	
38 Vinyl acetate	43		8.899				ND	
39 cis-1,2-Dichloroethene	96		9.948				ND	
40 2-Butanone (MEK)	72		10.017				ND	
42 Ethyl acetate	88		10.060				ND	
S 41 1,2-Dichloroethene, Total	61		10.200				0	
44 Tetrahydrofuran	42		10.413				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
* 43 Chlorobromomethane	128	10.418	10.424	-0.006	64	655223	10.0	
45 Chloroform	83		10.563				ND	
46 Cyclohexane	84		10.777				ND	
47 1,1,1-Trichloroethane	97		10.825				ND	
48 Carbon tetrachloride	117		11.071				ND	
51 Isooctane	57		11.526				ND	
50 Benzene	78		11.558				ND	
52 1,2-Dichloroethane	62		11.761				ND	
53 n-Heptane	43		11.932				ND	
* 54 1,4-Difluorobenzene	114	12.430	12.430	0.000	90	3819108	10.0	
56 Trichloroethene	95		12.879				ND	
58 1,2-Dichloropropane	63		13.457				ND	
59 Methyl methacrylate	69		13.650				ND	
60 1,4-Dioxane	88		13.692				ND	
61 Dibromomethane	174		13.719				0	
62 Dichlorobromomethane	83		14.029				ND	
64 cis-1,3-Dichloropropene	75		15.008				0	
65 4-Methyl-2-pentanone (MIBK	43		15.329				ND	
66 Toluene	92		15.618				ND	
70 trans-1,3-Dichloropropene	75		16.260				0	
71 1,1,2-Trichloroethane	83		16.640				ND	
72 Tetrachloroethene	166		16.726				0	
73 2-Hexanone	43		17.116				0	
74 Chlorodibromomethane	129		17.416				ND	
75 Ethylene Dibromide	107		17.689				0	
* 76 Chlorobenzene-d5	117	18.598	18.603	-0.005	80	4957753	10.0	
77 Chlorobenzene	112		18.662				0	
78 Ethylbenzene	91		18.823				ND	
80 m-Xylene & p-Xylene	106		19.074				ND	
83 o-Xylene	106		19.925				ND	
84 Styrene	104		19.984				ND	
S 82 Xylenes, Total	106		20.100				0	
85 Bromoform	173		20.401				ND	
86 Isopropylbenzene	105		20.610				0	
* 87 4-Bromofluorobenzene	95	20.973	20.973	0.000	97	2869732	10.0	
88 1,1,2,2-Tetrachloroethane	83		21.262				0	
90 N-Propylbenzene	91		21.326				0	
91 4-Ethyltoluene	105		21.519				0	
92 2-Chlorotoluene	91		21.524				0	
94 1,3,5-Trimethylbenzene	105		21.626				0	
96 tert-Butylbenzene	119		22.108				0	
97 1,2,4-Trimethylbenzene	105		22.204				0	
98 sec-Butylbenzene	105		22.428				0	
99 4-Isopropyltoluene	119		22.632				0	
100 1,3-Dichlorobenzene	146		22.659				0	
101 1,4-Dichlorobenzene	146		22.792				0	
102 Benzyl chloride	91		22.990				0	
103 n-Butylbenzene	91		23.199				0	
105 1,2-Dichlorobenzene	146		23.322				0	
107 1,2,4-Trichlorobenzene	180		25.815				0	
108 Hexachlorobutadiene	225		25.997				0	
109 Naphthalene	128		26.307				0	

QC Flag Legend

Processing Flags
ND - Not Detected or Marked ND

Reagents:

ATTO15GIS_00009 Amount Added: 20.00 Units: mL Run Reagent

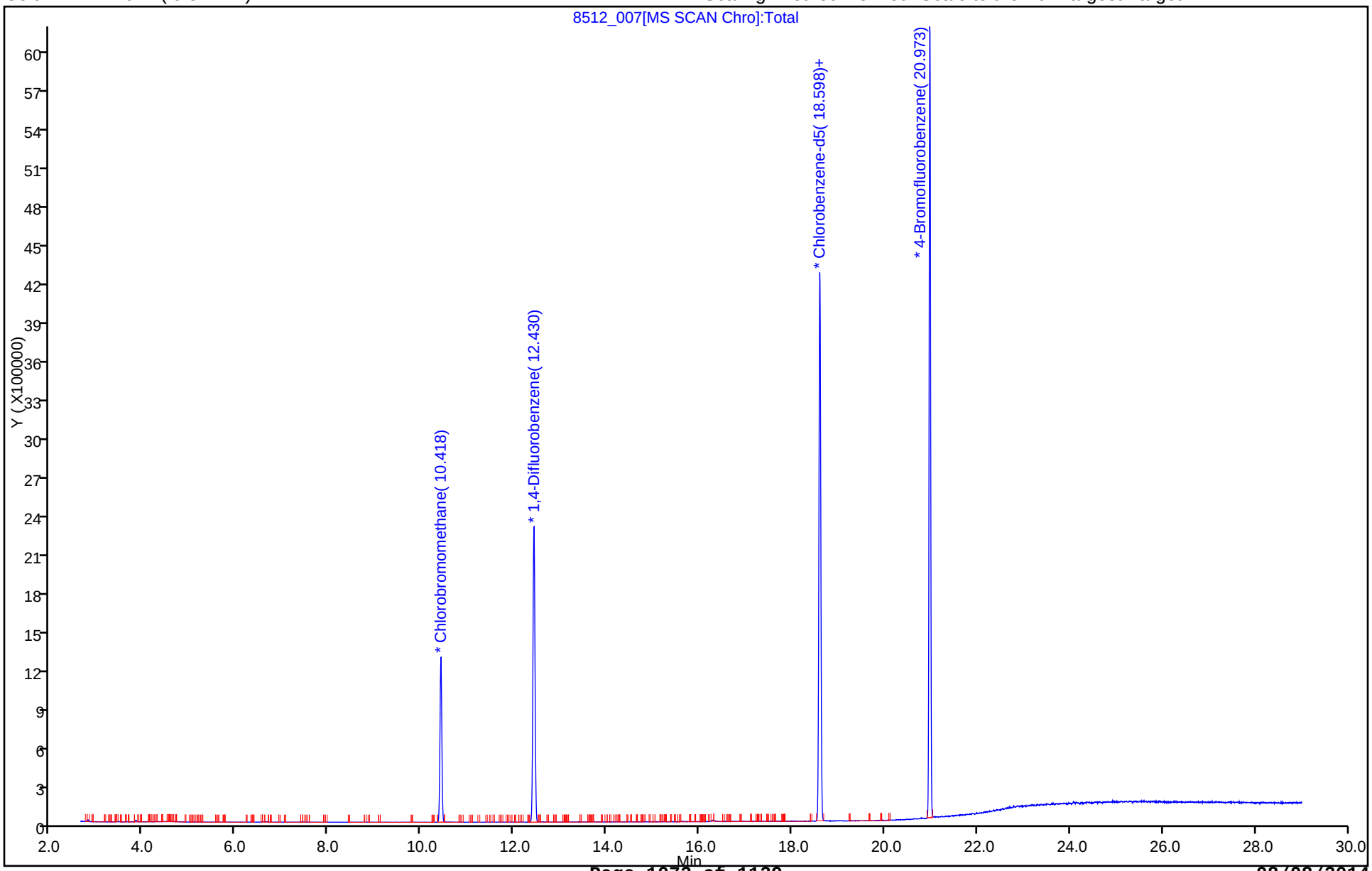
Report Date: 14-Jul-2014 12:03:44 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140711-8512.b\8512_007.D

Injection Date:	11-Jul-2014 15:04:30	Instrument ID:	CHG.i	Operator ID:	PAD
Lims ID:	200-23144-A-2	Lab Sample ID:	200-23144-2	Worklist Smp#:	7
Client ID:	4820				
Purge Vol:	200.000 mL	Dil. Factor:	0.2000	ALS Bottle#:	6
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 VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-23084-1 Analy Batch No.: 74492

SDG No.:

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

Calibration Start Date: 07/02/2014 16:53 Calibration End Date: 07/02/2014 22:50 Calibration ID: 27459

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-74492/3	8394_003.D
Level 2	IC 200-74492/4	8394_004.D
Level 3	IC 200-74492/5	8394_005.D
Level 4	IC 200-74492/6	8394_006.D
Level 5	ICIS 200-74492/7	8394_007.D
Level 6	IC 200-74492/8	8394_008.D
Level 7	IC 200-74492/9	8394_009.D
Level 8	IC 200-74492/10	8394_010.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Propylene	+++++ 0.2221	+++++ 0.2215	0.2768 0.2077	0.2438	0.2310	Ave		0.2338				10.0		30.0			
Dichlorodifluoromethane	+++++ 1.8362	+++++ 1.8186	2.0429 1.6439	2.0002	1.8861	Ave		1.8713				7.6		30.0			
Freon 22	+++++ 0.6990	+++++ 0.6988	0.7730 0.6423	0.7845	0.7217	Ave		0.7199				7.3		30.0			
1,2-Dichlorotetrafluoroethane	+++++ 1.5484	1.8886 1.5238	1.7738 1.3774	1.7231	1.6006	Ave		1.6337				11.0		30.0			
Chloromethane	+++++ 0.3486	+++++ 0.3462	0.3926 0.3266	0.3826	0.3588	Ave		0.3592				6.8		30.0			
n-Butane	+++++ 0.4296	+++++ 0.4310	0.5139 0.3995	0.4844	0.4446	Ave		0.4505				9.2		30.0			
Vinyl chloride	0.6601 0.4622	0.5456 0.4627	0.5177 0.4337	0.5132	0.4752	Ave		0.5088				14.0		30.0			
1,3-Butadiene	+++++ 0.2812	0.3467 0.2807	0.3205 0.2616	0.3095	0.2877	Ave		0.2983				9.7		30.0			
Bromomethane	+++++ 0.6697	0.8043 0.6713	0.7225 0.6224	0.7255	0.6845	Ave		0.7000				8.3		30.0			
Chloroethane	+++++ 0.1712	+++++ 0.1722	0.1948 0.1631	0.1827	0.1740	Ave		0.1763				6.2		30.0			
Isopentane	+++++ 0.2618	0.3163 0.2589	0.2983 0.2438	0.2881	0.2693	Ave		0.2766				9.1		30.0			
Bromoethene(Vinyl Bromide)	+++++ 0.8023	0.8782 0.7973	0.8322 0.7483	0.8588	0.8108	Ave		0.8183				5.3		30.0			
Trichlorofluoromethane	+++++ 2.0092	2.3216 1.9991	2.2060 1.8584	2.1850	2.0592	Ave		2.0912				7.4		30.0			
n-Pentane	+++++ 0.4409	+++++ 0.4386	0.5323 0.4134	0.4930	0.4573	Ave		0.4626				9.3		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Burlington Job No.: 200-23084-1 Analy Batch No.: 74492

SDG No.:

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

Calibration Start Date: 07/02/2014 16:53 Calibration End Date: 07/02/2014 22:50 Calibration ID: 27459

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Ethanol	+++++ 0.0987	+++++ 0.1196	0.1151 0.1036	0.1274	0.1017	Ave		0.1110				10.0		30.0			
Ethyl ether	+++++ 0.2305	0.2659 0.2333	0.2601 0.2205	0.2498	0.2387	Ave		0.2427				6.8		30.0			
Acrolein	+++++ 0.0991	+++++ 0.1051	+++++ 0.0901	0.1220	0.1018	Ave		0.1036				11.0		30.0			
Freon TF	+++++ 1.3183	1.4910 1.3097	1.4796 1.1963	1.4444	1.3595	Ave		1.3713				7.8		30.0			
1,1-Dichloroethene	+++++ 0.5667	0.6742 0.5674	0.6484 0.5215	0.6246	0.5873	Ave		0.5986				8.9		30.0			
Acetone	+++++ 0.4862	+++++ 0.4611	+++++ 0.4603	0.5204	0.5237	Ave		0.4904				6.3		30.0			
Carbon disulfide	+++++ 1.4275	+++++ 1.4350	2.1250 1.3500	1.5477	1.4619	Ave		1.5579				18.0		30.0			
Isopropyl alcohol	+++++ 0.4118	+++++ 0.3931	+++++ 0.4000	0.3944	0.4445	Ave		0.4088				5.2		30.0			
3-Chloropropene	+++++ 0.3514	0.4598 0.3588	0.4202 0.3342	0.3917	0.3585	Ave		0.3821				12.0		30.0			
Acetonitrile	+++++ 0.1938	+++++ 0.1858	+++++ 0.1858	0.2076	0.1982	Ave		0.1943				4.7		30.0			
Methylene Chloride	+++++ 0.4168	+++++ 0.4128	0.5094 0.3871	0.4633	0.4255	Ave		0.4358				10.0		30.0			
tert-Butyl alcohol	+++++ 0.7681	+++++ 0.7320	+++++ 0.7502	0.7194	0.8165	Ave		0.7572				5.0		30.0			
Methyl tert-butyl ether	+++++ 1.3262	1.4734 1.3303	1.4324 1.2467	1.4244	1.3454	Ave		1.3684				5.7		30.0			
trans-1,2-Dichloroethene	+++++ 0.6233	0.7348 0.6191	0.6746 0.5723	0.6828	0.6355	Ave		0.6489				8.2		30.0			
Acrylonitrile	+++++ 0.2364	+++++ 0.2363	0.2392 0.2266	0.2499	0.2392	Ave		0.2379				3.1		30.0			
n-Hexane	+++++ 0.4789	0.6062 0.4714	0.5187 0.4468	0.5137	0.4845	Ave		0.5029				10.0		30.0			
1,1-Dichloroethane	1.2649 0.8878	0.9770 0.8886	0.9375 0.8401	0.9476	0.9024	Ave		0.9557				14.0		30.0			
Vinyl acetate	+++++ 0.8599	+++++ 0.8687	+++++ 0.8131	0.9352	0.8681	Ave		0.8690				5.0		30.0			
cis-1,2-Dichloroethene	+++++ 0.8446	0.9592 0.8444	0.9232 0.7893	0.9063	0.8491	Ave		0.8737				6.7		30.0			
Methyl Ethyl Ketone	+++++ 0.2558	+++++ 0.2515	0.3148 0.2423	0.2812	0.2642	Ave		0.2683				9.8		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Burlington Job No.: 200-23084-1 Analy Batch No.: 74492

SDG No.:

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

Calibration Start Date: 07/02/2014 16:53 Calibration End Date: 07/02/2014 22:50 Calibration ID: 27459

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Ethyl acetate	+++++ 0.0404	+++++ 0.0397	+++++ 0.0374	0.0421	0.0399	Ave		0.0399				4.2		30.0			
Tetrahydrofuran	+++++ 0.0671	+++++ 0.0658	+++++ 0.0622	0.0747	0.0689	Ave		0.0677				6.8		30.0			
Chloroform	+++++ 1.7444	1.9658 1.7493	1.8747 1.6206	1.8887	1.7845	Ave		1.8040				6.4		30.0			
Cyclohexane	+++++ 0.1514	0.1814 0.1503	0.1666 0.1384	0.1713	0.1566	Ave		0.1594				9.1		30.0			
1,1,1-Trichloroethane	+++++ 0.3517	0.4009 0.3481	0.3910 0.3205	0.3979	0.3592	Ave		0.3670				8.2		30.0			
Carbon tetrachloride	0.6067 0.4643	0.5130 0.4605	0.4953 0.4255	0.5177	0.4730	Ave		0.4945				11.0		30.0			
2,2,4-Trimethylpentane	+++++ 0.4623	0.5469 0.4522	0.5208 0.4044	0.5373	0.4805	Ave		0.4864				11.0		30.0			
Benzene	+++++ 0.4083	0.5395 0.4003	0.4882 0.3595	0.4769	0.4229	Ave		0.4422				14.0		30.0			
1,2-Dichloroethane	+++++ 0.2003	0.2247 0.1987	0.2174 0.1863	0.2255	0.2046	Ave		0.2082				7.1		30.0			
n-Heptane	+++++ 0.1502	0.1873 0.1469	0.1771 0.1315	0.1762	0.1562	Ave		0.1608				12.0		30.0			
n-Butanol	+++++ 0.0604	+++++ 0.0622	+++++ 0.0557	0.0643	0.0681	Ave		0.0621				7.4		30.0			
Trichloroethene	0.4193 0.2918	0.3449 0.2858	0.3289 0.2559	0.3312	0.3007	Ave		0.3198				15.0		30.0			
1,2-Dichloropropane	+++++ 0.1978	0.2165 0.1956	0.2086 0.1778	0.2185	0.2019	Ave		0.2024				6.9		30.0			
Methyl methacrylate	+++++ 0.1819	+++++ 0.1791	0.1812 0.1628	0.1951	0.1838	Ave		0.1806				5.8		30.0			
1,4-Dioxane	+++++ 0.0986	+++++ 0.0907	+++++ 0.0851	0.1047	0.1063	Ave		0.0971				9.4		30.0			
Dibromomethane	+++++ 0.4443	0.4962 0.4427	0.4663 0.4054	0.4896	0.4493	Ave		0.4563				6.8		30.0			
Bromodichloromethane	+++++ 0.5574	0.5765 0.5567	0.5552 0.5111	0.6097	0.5633	Ave		0.5614				5.2		30.0			
cis-1,3-Dichloropropene	+++++ 0.3980	0.4173 0.3954	0.3526 0.3638	0.4404	0.4022	Ave		0.3957				7.6		30.0			
methyl isobutyl ketone	+++++ 0.3252	+++++ 0.3168	0.4373 0.2861	0.3678	0.3349	Ave		0.3447				15.0		30.0			
Toluene	+++++ 0.4491	0.4762 0.4404	0.4389 0.3901	0.5498	0.4594	Ave		0.4577				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.: 200-23084-1 Analy Batch No.: 74492

SDG No.:

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

Calibration Start Date: 07/02/2014 16:53 Calibration End Date: 07/02/2014 22:50 Calibration ID: 27459

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
n-Octane	+++++ 0.3103	0.3415 0.2989	0.3209 0.2534	0.3742	0.3255	Ave		0.3178				12.0		30.0			
trans-1,3-Dichloropropene	+++++ 0.4187	0.3935 0.4149	0.3695 0.3826	0.4620	0.4232	Ave		0.4092				7.5		30.0			
1,1,2-Trichloroethane	+++++ 0.2426	0.2379 0.2333	0.2292 0.2186	0.2903	0.2494	Ave		0.2430				9.5		30.0			
Tetrachloroethene	0.8181 0.5641	0.6107 0.5679	0.5901 0.5297	0.6613	0.5686	Ave		0.6138				15.0		30.0			
Methyl Butyl Ketone (2-Hexanone)	+++++ 0.2726	+++++ 0.2649	0.3717 0.2350	0.3310	0.2795	Ave		0.2925				17.0		30.0			
Dibromochloromethane	+++++ 0.7088	0.6270 0.7096	0.6138 0.6615	0.8165	0.7150	Ave		0.6932				9.8		30.0			
1,2-Dibromoethane	+++++ 0.5404	0.5102 0.5332	0.5058 0.4895	0.6468	0.5498	Ave		0.5394				9.6		30.0			
Chlorobenzene	+++++ 0.7118	0.7728 0.7032	0.7156 0.6441	0.8542	0.7251	Ave		0.7324				9.0		30.0			
Ethylbenzene	+++++ 0.9362	0.9724 0.9197	0.9445 0.7970	1.1578	0.9667	Ave		0.9563				11.0		30.0			
n-Nonane	+++++ 0.3125	0.3313 0.3033	0.3111 0.2572	0.3997	0.3283	Ave		0.3205				13.0		30.0			
m,p-Xylene	+++++ 0.4017	0.4385 0.3878	0.4161 0.3446	0.5094	0.4247	Ave		0.4175				12.0		30.0			
Xylene, o-	+++++ 0.4352	0.4440 0.4259	0.4224 0.3727	0.5278	0.4474	Ave		0.4393				11.0		30.0			
Styrene	+++++ 0.6066	0.6086 0.5709	0.5796 0.5099	0.7771	0.6564	Ave		0.6156				14.0		30.0			
Bromoform	+++++ 0.8291	0.7182 0.8250	0.7223 0.7232	0.9577	0.8370	Ave		0.8018				11.0		30.0			
Cumene	+++++ 1.1377	1.1948 1.1256	1.1393 0.9853	1.3881	1.1780	Ave		1.1641				10.0		30.0			
1,1,2,2-Tetrachloroethane	+++++ 0.5984	0.5894 0.5845	0.5777 0.5034	0.7399	0.6233	Ave		0.6024				12.0		30.0			
n-Propylbenzene	+++++ 1.2687	1.3318 1.2360	1.3009 1.0280	1.5811	1.3209	Ave		1.2953				13.0		30.0			
1,2,3-Trichloropropane	+++++ 0.4153	+++++ 0.4023	0.4078 0.3519	0.5172	0.4307	Ave		0.4209				13.0		30.0			
n-Decane	+++++ 0.3514	+++++ 0.3219	0.3943 0.2365	0.4940	0.3884	Ave		0.3644				23.0		30.0			
4-Ethyltoluene	+++++ 1.0451	1.1744 0.9738	1.1309 0.7304	1.3470	1.1150	Ave		1.0738				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.: 200-23084-1 Analy Batch No.: 74492

SDG No.:

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

Calibration Start Date: 07/02/2014 16:53 Calibration End Date: 07/02/2014 22:50 Calibration ID: 27459

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
2-Chlorotoluene	+++++ 0.8084	0.9412 0.7457	0.9127 0.5708	1.0740	0.8708	Ave		0.8462				19.0		30.0			
1,3,5-Trimethylbenzene	+++++ 0.9300	0.9932 0.8773	0.9485 0.7714	1.1603	0.9817	Ave		0.9518				12.0		30.0			
Alpha Methyl Styrene	+++++ 0.5417	0.5146 0.5172	0.5058 0.4577	0.6658	0.5754	Ave		0.5397				12.0		30.0			
tert-Butylbenzene	+++++ 0.9034	1.0020 0.8529	0.9748 0.7730	1.1757	0.9871	Ave		0.9527				13.0		30.0			
1,2,4-Trimethylbenzene	+++++ 0.8661	0.9903 0.8381	0.9690 0.7491	1.1797	0.9560	Ave		0.9355				15.0		30.0			
sec-Butylbenzene	+++++ 1.2685	1.4460 1.1851	1.3826 0.9786	1.6963	1.3974	Ave		1.3363				17.0		30.0			
4-Isopropyltoluene	+++++ 1.1355	1.2745 1.0666	1.2437 0.8878	1.5052	1.2534	Ave		1.1953				16.0		30.0			
1,3-Dichlorobenzene	+++++ 0.7778	0.9271 0.7494	0.8746 0.6587	1.0399	0.8573	Ave		0.8407				15.0		30.0			
1,4-Dichlorobenzene	+++++ 0.8728	0.9233 0.8340	0.8999 0.7106	1.0558	0.9022	Ave		0.8855				12.0		30.0			
Benzyl chloride	+++++ 0.7124	0.7804 0.7916	0.7895 0.5995	1.0328	0.7770	Ave		0.7833				17.0		30.0			
n-Butylbenzene	+++++ 0.8752	0.9875 0.8159	1.0158 0.6759	1.2360	1.0040	Ave		0.9443				19.0		30.0			
n-Undecane	+++++ 0.3475	+++++ 0.3218	+++++ 0.2624	0.5403	0.3985	Ave		0.3741				28.0		30.0			
1,2-Dichlorobenzene	+++++ 0.7735	0.8976 0.7449	0.8567 0.6672	1.0006	0.8479	Ave		0.8269				13.0		30.0			
n-Dodecane	+++++ 0.2892	+++++ 0.2959	+++++ 0.2269	0.2546	0.2650	Ave		0.2663				10.0		30.0			
1,2,4-Trichlorobenzene	+++++ 0.7595	+++++ 0.7989	0.5140 0.6651	0.8390	0.7896	Ave		0.7277				16.0		30.0			
Hexachlorobutadiene	+++++ 0.6853	0.4991 0.6750	0.6211 0.5690	0.8001	0.6927	Ave		0.6489				15.0		30.0			
Naphthalene	+++++ 1.2656	+++++ 1.4078	0.8152 1.0672	1.4045	1.4291	Ave		1.2316				20.0		30.0			
1,2,3-Trichlorobenzene	+++++ 0.6653	0.0619 0.7211	0.2120 0.6060	0.6810	0.6687	Ave		0.5166				51.0	*	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.: 200-23084-1 Analy Batch No.: 74492

SDG No.:

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

Calibration Start Date: 07/02/2014 16:53 Calibration End Date: 07/02/2014 22:50 Calibration ID: 27459

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-74492/3	8394_003.D
Level 2	IC 200-74492/4	8394_004.D
Level 3	IC 200-74492/5	8394_005.D
Level 4	IC 200-74492/6	8394_006.D
Level 5	ICIS 200-74492/7	8394_007.D
Level 6	IC 200-74492/8	8394_008.D
Level 7	IC 200-74492/9	8394_009.D
Level 8	IC 200-74492/10	8394_010.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Propylene	BCM	Ave	+++++ 248238	+++++ 334533	10181 629961	80328	170098	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Dichlorodifluoromethane	BCM	Ave	+++++ 2052460	+++++ 2746723	75136 4986750	659036	1388924	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Freon 22	BCM	Ave	+++++ 781362	+++++ 1055477	28429 1948312	258482	531495	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,2-Dichlorotetrafluoroethane	BCM	Ave	+++++ 1730831	27887 2301387	65238 4178200	567744	1178683	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chloromethane	BCM	Ave	+++++ 389619	+++++ 522865	14441 990675	126051	264186	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Butane	BCM	Ave	+++++ 480180	+++++ 650927	18900 1211908	159615	327428	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Vinyl chloride	BCM	Ave	1960 516605	8056 698882	19041 1315601	169108	349959	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Butadiene	BCM	Ave	+++++ 314284	5120 423907	11789 793670	101988	211856	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromomethane	BCM	Ave	+++++ 748619	11877 1013830	26575 1887948	239046	504040	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chloroethane	BCM	Ave	+++++ 191365	+++++ 260103	7164 494901	60213	128119	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Isopentane	BCM	Ave	+++++ 292654	4671 391064	10970 739511	94913	198285	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromoethene(Vinyl Bromide)	BCM	Ave	+++++ 896832	12968 1204122	30607 2269898	282960	597098	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Trichlorofluoromethane	BCM	Ave	+++++ 2245848	34281 3019351	81134 5637436	719932	1516389	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Pentane	BCM	Ave	+++++ 492875	+++++ 662396	19578 1253971	162445	336759	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Ethanol	BCM	Ave	+++++ 147485	+++++ 361264	42403 785938	84040	112410	+++++ 20.0	+++++ 40.0	5.01 100.0	9.99	15.0

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

Lab Name: TestAmerica Burlington Job No.: 200-23084-1 Analy Batch No.: 74492

SDG No.:

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

Calibration Start Date: 07/02/2014 16:53 Calibration End Date: 07/02/2014 22:50 Calibration ID: 27459

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Ethyl ether	BCM	Ave	+++++ 257695	3926 352366	9565 668853	82304	175759	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acrolein	BCM	Ave	+++++ 110757	+++++ 158749	+++++ 273249	40191	74954	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Freon TF	BCM	Ave	+++++ 1473574	22017 1978116	54420 3629111	475931	1001116	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1-Dichloroethene	BCM	Ave	+++++ 633456	9955 856937	23848 1581871	205789	432465	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acetone	BCM	Ave	+++++ 543463	+++++ 696447	+++++ 1396466	171477	385646	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Carbon disulfide	BCM	Ave	+++++ 1595637	+++++ 2167289	78156 4095371	509964	1076544	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Isopropyl alcohol	BCM	Ave	+++++ 460324	+++++ 593698	+++++ 1213520	129962	327317	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
3-Chloropropene	BCM	Ave	+++++ 392816	6790 541845	15454 1013681	129047	263998	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acetonitrile	BCM	Ave	+++++ 216661	+++++ 280622	+++++ 563737	68410	145956	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Methylene Chloride	BCM	Ave	+++++ 465923	+++++ 623529	18735 1174184	152647	313322	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
tert-Butyl alcohol	BCM	Ave	+++++ 858559	+++++ 1105577	+++++ 2275587	237024	601255	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Methyl tert-butyl ether	BCM	Ave	+++++ 1482379	21757 2009215	52683 3781742	469313	990784	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
trans-1,2-Dichloroethene	BCM	Ave	+++++ 696669	10851 935122	24810 1736064	224972	467993	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acrylonitrile	BCM	Ave	+++++ 264296	+++++ 356881	8796 687328	82334	176110	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Hexane	BCM	Ave	+++++ 535339	8951 711926	19077 1355462	169269	356751	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1-Dichloroethane	BCM	Ave	3756 992349	14427 1342070	34482 2548548	312223	664527	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Vinyl acetate	BCM	Ave	+++++ 961163	+++++ 1311958	+++++ 2466517	308138	639235	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
cis-1,2-Dichloroethene	BCM	Ave	+++++ 944053	14164 1275346	33954 2394412	298629	625255	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl Ethyl Ketone	BCM	Ave	+++++ 285885	+++++ 379857	11578 735076	92649	194570	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Ethyl acetate	BCM	Ave	+++++ 45214	+++++ 59932	+++++ 113515	13862	29405	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Tetrahydrofuran	DFB	Ave	+++++ 430719	+++++ 576204	+++++ 1106888	135743	290899	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00

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

Lab Name: TestAmerica Burlington Job No.: 200-23084-1 Analy Batch No.: 74492

SDG No.:

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

Calibration Start Date: 07/02/2014 16:53 Calibration End Date: 07/02/2014 22:50 Calibration ID: 27459

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Chloroform	BCM	Ave	+++++ 1949887	29028 2641991	68952 4915950	622301	1314095	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Cyclohexane	DFB	Ave	+++++ 972806	15325 1316475	34830 2462409	311095	660836	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,1-Trichloroethane	DFB	Ave	+++++ 2259124	33861 3048069	81720 5702131	722761	1515770	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Carbon tetrachloride	DFB	Ave	10483 2982638	43332 4032530	103533 7570939	940346	1995966	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2,2,4-Trimethylpentane	DFB	Ave	+++++ 2969645	46201 3960383	108865 7195316	975981	2027474	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Benzene	DFB	Ave	+++++ 2622407	45568 3505680	102043 6395577	866366	1784486	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloroethane	DFB	Ave	+++++ 1286886	18984 1739793	45451 3314147	409558	863241	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Heptane	DFB	Ave	+++++ 964807	15822 1286239	37010 2340510	320065	659127	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Butanol	DFB	Ave	+++++ 387928	+++++ 544324	+++++ 990577	116839	287275	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Trichloroethene	DFB	Ave	7245 1874574	29130 2502989	68741 4552400	601665	1268564	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloropropane	DFB	Ave	+++++ 1270840	18291 1712858	43604 3164014	396923	851826	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl methacrylate	DFB	Ave	+++++ 1168433	+++++ 1568102	37868 2895793	354345	775397	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,4-Dioxane	DFB	Ave	+++++ 633593	+++++ 794147	+++++ 1513809	190151	448454	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Dibromomethane	DFB	Ave	+++++ 2853915	41918 3877032	97463 7212136	889445	1895687	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromodichloromethane	DFB	Ave	+++++ 3580395	48696 4874941	116055 9094120	1107576	2376718	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
cis-1,3-Dichloropropene	DFB	Ave	+++++ 2556635	35253 3462439	73709 6472768	800005	1696969	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
methyl isobutyl ketone	DFB	Ave	+++++ 2088690	+++++ 2774196	91397 5091128	668136	1412894	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Toluene	CBZ	Ave	+++++ 3405892	46684 4560578	106348 8223022	1091891	2285976	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Octane	DFB	Ave	+++++ 1993459	28850 2617124	67072 4508533	679811	1373381	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
trans-1,3-Dichloropropene	DFB	Ave	+++++ 2689208	33239 3633133	77239 6807440	839204	1785664	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2-Trichloroethane	CBZ	Ave	+++++ 1839935	23326 2415800	55540 4606487	576495	1240809	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

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

Lab Name: TestAmerica Burlington Job No.: 200-23084-1 Analy Batch No.: 74492

SDG No.:

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

Calibration Start Date: 07/02/2014 16:53 Calibration End Date: 07/02/2014 22:50 Calibration ID: 27459

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Tetrachloroethene	CBZ	Ave	16530 4277622	59866 5881274	142977 11164328	1313294	2829359	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl Butyl Ketone (2-Hexanone)	CBZ	Ave	+++++ 2067147	+++++ 2742915	90071 4954036	657345	1390936	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Dibromochloromethane	CBZ	Ave	+++++ 5374683	61464 7347985	148726 13941233	1621516	3557458	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dibromoethane	CBZ	Ave	+++++ 4097725	50013 5520975	122566 10316660	1284392	2735727	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chlorobenzene	CBZ	Ave	+++++ 5397449	75764 7281602	173403 13575617	1696224	3607841	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Ethylbenzene	CBZ	Ave	+++++ 7099201	95324 9524030	228858 16798557	2299201	4809938	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Nonane	CBZ	Ave	+++++ 2369525	32478 3141246	75385 5421533	793770	1633586	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
m,p-Xylene	CBZ	Ave	+++++ 6092796	85973 8031951	201629 14527284	2023026	4226010	+++++ 30.0	0.401 40.0	1.00 80.0	9.99	20.0
Xylene, o-	CBZ	Ave	+++++ 3299986	43531 4410067	102343 7856022	1048212	2225939	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Styrene	CBZ	Ave	+++++ 4600154	59660 5911640	140439 10747251	1543131	3266111	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromoform	CBZ	Ave	+++++ 6287112	70403 8543463	175025 15242409	1901837	4164584	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Cumene	CBZ	Ave	+++++ 8627384	117124 11655853	276053 20767873	2756567	5861433	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2,2-Tetrachloroethane	CBZ	Ave	+++++ 4538003	57781 6053126	139978 10610504	1469369	3101329	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Propylbenzene	CBZ	Ave	+++++ 9620625	130557 12799413	315206 21665918	3139875	6572073	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2,3-Trichloropropane	CBZ	Ave	+++++ 3149011	+++++ 4165677	98823 7417500	1027053	2143237	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Decane	CBZ	Ave	+++++ 2664452	+++++ 3333113	95538 4985061	980994	1932680	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
4-Ethyltoluene	CBZ	Ave	+++++ 7924974	115131 10084016	274011 15395459	2674878	5547856	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2-Chlorotoluene	CBZ	Ave	+++++ 6130377	92271 7722128	221154 12029937	2132794	4332664	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3,5-Trimethylbenzene	CBZ	Ave	+++++ 7052115	97367 9084821	229822 16258887	2304215	4884740	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Alpha Methyl Styrene	CBZ	Ave	+++++ 4107911	50445 5355795	122551 9646840	1322138	2862811	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
tert-Butylbenzene	CBZ	Ave	+++++ 6850331	98233 8831941	236192 16293364	2334681	4911360	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

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

Lab Name: TestAmerica Burlington Job No.: 200-23084-1 Analy Batch No.: 74492

SDG No.:

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

Calibration Start Date: 07/02/2014 16:53 Calibration End Date: 07/02/2014 22:50 Calibration ID: 27459

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,2,4-Trimethylbenzene	CBZ	Ave	+++++ 6567904	97086 8678723	234797 15788691	2342749	4756462	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
sec-Butylbenzene	CBZ	Ave	+++++ 9618961	141754 12272403	335004 20625130	3368522	6952758	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
4-Isopropyltoluene	CBZ	Ave	+++++ 8610591	124944 11044565	301362 18712796	2989165	6236657	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Dichlorobenzene	CBZ	Ave	+++++ 5898248	90887 7759937	211924 13883479	2065097	4265753	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,4-Dichlorobenzene	CBZ	Ave	+++++ 6618313	90509 8636137	218051 14976306	2096584	4489041	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Benzyl chloride	CBZ	Ave	+++++ 5402313	76506 8197057	191303 12635790	2050975	3866190	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Butylbenzene	CBZ	Ave	+++++ 6637133	96803 8448748	246135 14245155	2454528	4995441	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Undecane	CBZ	Ave	+++++ 2635136	+++++ 3331874	+++++ 5529599	1072885	1983037	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
1,2-Dichlorobenzene	CBZ	Ave	+++++ 5865567	87994 7713267	207591 14063424	1987125	4218686	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Dodecane	CBZ	Ave	+++++ 2193018	+++++ 3064336	+++++ 4782790	505603	1318300	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
1,2,4-Trichlorobenzene	CBZ	Ave	+++++ 5759291	+++++ 8272628	124545 14018212	1666134	3928763	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Hexachlorobutadiene	CBZ	Ave	+++++ 5196551	48930 6989540	150485 11992787	1588774	3446578	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Naphthalene	CBZ	Ave	+++++ 9597027	+++++ 14578294	197517 22492855	2789120	7110590	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,2,3-Trichlorobenzene	CBZ	Ave	+++++ 5044738	6067 7466788	51372 12772652	1352324	3327278	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

Curve Type Legend:
Ave = Average ISTD

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

Lab Name: TestAmerica Burlington Job No.: 200-23111-1 Analy Batch No.: 73568

SDG No.:

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

Calibration Start Date: 06/14/2014 09:46 Calibration End Date: 06/15/2014 00:33 Calibration ID: 27113

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-73568/16	8058_016.d
Level 2	IC 200-73568/17	8058_017.d
Level 3	IC 200-73568/5	8058_005.d
Level 4	IC 200-73568/6	8058_006.d
Level 5	ICIS 200-73568/7	8058_007.d
Level 6	IC 200-73568/8	8058_008.d
Level 7	IC 200-73568/9	8058_009.d
Level 8	IC 200-73568/10	8058_010.d

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Propylene	+++++ 0.7161	+++++ 0.6867	0.9338 0.6142	0.7011	0.7558	Ave		0.7346				15.0		30.0			
Dichlorodifluoromethane	+++++ 3.0084	+++++ 2.9315	3.2075 2.6381	2.6485	3.1104	Ave		2.9241				8.1		30.0			
Freon 22	+++++ 1.4888	+++++ 1.4273	1.6583 1.2959	1.3543	1.5468	Ave		1.4619				9.0		30.0			
1,2-Dichlorotetrafluoroethane	+++++ 2.9549	3.2787 2.8863	3.1170 2.5828	2.6071	3.0559	Ave		2.9261				8.8		30.0			
Chloromethane	+++++ 0.8721	+++++ 0.8422	1.0103 0.7794	0.7881	0.8990	Ave		0.8652				9.8		30.0			
n-Butane	+++++ 1.4588	+++++ 1.4116	1.5577 1.2440	1.3849	1.5452	Ave		1.4337				8.1		30.0			
Vinyl chloride	1.0758 1.1074	1.1519 1.0829	1.1019 0.9882	0.9474	1.1412	Ave		1.0746				6.7		30.0			
1,3-Butadiene	+++++ 0.7948	0.7971 0.7801	0.7719 0.6968	0.6785	0.8278	Ave		0.7639				7.2		30.0			
Bromomethane	+++++ 1.0692	1.2500 1.0579	1.1548 0.9581	0.9514	1.1165	Ave		1.0797				9.8		30.0			
Chloroethane	+++++ 0.6306	+++++ 0.6045	0.6484 0.5770	0.5418	0.6388	Ave		0.6068				6.8		30.0			
Isopentane	+++++ 1.1041	1.4839 1.0428	1.2054 0.9562	1.0130	1.1496	Ave		1.1364				15.0		30.0			
Bromoethene(Vinyl Bromide)	+++++ 1.3616	1.4613 1.3631	1.3090 1.2762	1.1246	1.3622	Ave		1.3226				7.9		30.0			
Trichlorofluoromethane	+++++ 3.2730	3.6236 3.2320	3.3303 2.9582	2.8432	3.3247	Ave		3.2264				8.0		30.0			
n-Pentane	+++++ 1.6674	+++++ 1.5921	1.7843 1.4309	1.5794	1.7421	Ave		1.6327				7.8		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Burlington Job No.: 200-23111-1 Analy Batch No.: 73568

SDG No.:

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

Calibration Start Date: 06/14/2014 09:46 Calibration End Date: 06/15/2014 00:33 Calibration ID: 27113

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Ethanol	+++++ 0.4072	+++++ 0.3815	0.4699 0.3230	0.4594	0.4536	Ave		0.4158				14.0		30.0			
Ethyl ether	+++++ 0.7535	0.7795 0.7341	0.7513 0.6800	0.6480	0.7697	Ave		0.7309				6.7		30.0			
Acrolein	+++++ 0.3223	+++++ 0.3370	+++++ 0.2854	0.2882	0.3216	Ave		0.3109				7.4		30.0			
Freon TF	+++++ 2.5254	2.8189 2.4974	2.4970 2.2858	2.1410	2.5455	Ave		2.4730				8.6		30.0			
1,1-Dichloroethene	+++++ 1.2418	1.3411 1.2394	1.2189 1.1621	1.0369	1.2485	Ave		1.2126				7.7		30.0			
Acetone	+++++ 1.5171	+++++ 1.4624	+++++ 1.1726	1.7194	1.7603	Ave		1.5263				15.0		30.0			
Carbon disulfide	+++++ 2.9759	+++++ 2.9215	3.9314 2.6770	2.5509	3.0745	Ave		3.0219				16.0		30.0			
Isopropyl alcohol	+++++ 1.3176	+++++ 1.2519	+++++ 1.0955	1.2309	1.5403	Ave		1.2873				13.0		30.0			
3-Chloropropene	+++++ 1.2026	1.1951 1.1564	1.2704 1.0474	1.0641	1.2102	Ave		1.1637				7.0		30.0			
Acetonitrile	+++++ 0.6831	+++++ 0.6430	+++++ 0.5795	0.6142	0.7346	Ave		0.6509				9.3		30.0			
Methylene Chloride	+++++ 1.0400	+++++ 1.0125	1.2589 0.9132	0.9787	1.0796	Ave		1.0471				11.0		30.0			
tert-Butyl alcohol	+++++ 1.9259	+++++ 1.8883	+++++ 1.6895	1.6225	2.1701	Ave		1.8593				12.0		30.0			
Methyl tert-butyl ether	+++++ 3.3653	3.4592 3.3181	3.2506 3.0523	2.8282	3.4122	Ave		3.2408				6.9		30.0			
trans-1,2-Dichloroethene	+++++ 1.4923	1.5928 1.4539	1.4855 1.3318	1.3037	1.5267	Ave		1.4552				7.1		30.0			
Acrylonitrile	+++++ 0.7363	+++++ 0.7227	0.7289 0.6687	0.6303	0.7621	Ave		0.7082				6.9		30.0			
n-Hexane	+++++ 1.6698	2.6653 1.6254	1.6990 1.4699	1.4978	1.7144	Ave		1.7631				23.0		30.0			
1,1-Dichloroethane	1.9116 1.9762	2.0887 1.9325	1.9840 1.7506	1.7153	2.0326	Ave		1.9239				6.8		30.0			
Vinyl acetate	+++++ 2.4974	+++++ 2.3841	+++++ 2.1287	2.1905	2.5835	Ave		2.3568				8.3		30.0			
cis-1,2-Dichloroethene	+++++ 1.3976	1.5045 1.3873	1.3897 1.2706	1.1755	1.4184	Ave		1.3634				7.9		30.0			
Methyl Ethyl Ketone	+++++ 0.6294	+++++ 0.6147	0.8806 0.5379	0.5563	0.6463	Ave		0.6442				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.: 200-23111-1 Analy Batch No.: 73568

SDG No.:

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

Calibration Start Date: 06/14/2014 09:46 Calibration End Date: 06/15/2014 00:33 Calibration ID: 27113

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Ethyl acetate	+++++ 0.1134	+++++ 0.1144	+++++ 0.1060	0.0917	0.1157	Ave		0.1082				9.2		30.0			
Tetrahydrofuran	+++++ 0.2230	+++++ 0.2123	+++++ 0.1967	0.1948	0.2335	Ave		0.2121				7.9		30.0			
Chloroform	+++++ 2.4375	2.5945 2.3964	2.4764 2.1993	2.0797	2.4811	Ave		2.3807				7.5		30.0			
Cyclohexane	+++++ 0.3865	0.4115 0.3777	0.3707 0.3454	0.3162	0.3868	Ave		0.3707				8.4		30.0			
1,1,1-Trichloroethane	+++++ 0.5496	0.5731 0.5425	0.5285 0.5054	0.4495	0.5500	Ave		0.5284				7.7		30.0			
Carbon tetrachloride	0.5798 0.6169	0.6021 0.5988	0.5490 0.5890	0.4870	0.6103	Ave		0.5791				7.4		30.0			
2,2,4-Trimethylpentane	+++++ 1.1448	1.2383 1.0972	1.1545 0.9700	0.9876	1.1779	Ave		1.1101				8.9		30.0			
Benzene	+++++ 0.8024	0.9150 0.7822	0.7958 0.7148	0.6739	0.8083	Ave		0.7846				9.8		30.0			
1,2-Dichloroethane	+++++ 0.2989	0.3126 0.2893	0.2953 0.2724	0.2540	0.3050	Ave		0.2897				7.0		30.0			
n-Heptane	+++++ 0.3806	0.6051 0.3589	0.4043 0.3163	0.3458	0.3961	Ave		0.4010				24.0		30.0			
n-Butanol	+++++ 0.1346	+++++ 0.1247	+++++ 0.1206	0.1063	0.1421	Ave		0.1256				11.0		30.0			
Trichloroethene	0.4137 0.3749	0.3902 0.3689	0.3678 0.3458	0.3047	0.3740	Ave		0.3675				8.7		30.0			
1,2-Dichloropropane	+++++ 0.2795	0.2898 0.2717	0.2733 0.2548	0.2340	0.2820	Ave		0.2693				7.0		30.0			
Methyl methacrylate	+++++ 0.2865	+++++ 0.2794	0.2470 0.2649	0.2295	0.2857	Ave		0.2655				8.7		30.0			
1,4-Dioxane	+++++ 0.1403	+++++ 0.1346	+++++ 0.1219	0.1181	0.1624	Ave		0.1355				13.0		30.0			
Dibromomethane	+++++ 0.4609	0.4704 0.4678	0.3995 0.4530	0.3503	0.4487	Ave		0.4358				10.0		30.0			
Bromodichloromethane	+++++ 0.5609	0.5254 0.5498	0.4956 0.5147	0.4537	0.5622	Ave		0.5232				7.5		30.0			
cis-1,3-Dichloropropene	+++++ 0.4393	0.3888 0.4333	0.3710 0.4102	0.3446	0.4368	Ave		0.4034				9.1		30.0			
methyl isobutyl ketone	+++++ 0.4854	+++++ 0.4591	0.4731 0.4112	0.4243	0.5134	Ave		0.4611				8.3		30.0			
n-Octane	+++++ 0.4954	0.7386 0.4500	0.5615 0.3536	0.4773	0.5338	Ave		0.5158				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.: 200-23111-1 Analy Batch No.: 73568

SDG No.:

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

Calibration Start Date: 06/14/2014 09:46 Calibration End Date: 06/15/2014 00:33 Calibration ID: 27113

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Toluene	+++++ 0.6872	0.8821 0.6641	0.8969 0.5693	0.5791	0.6959	Ave		0.7106				19.0		30.0			
trans-1,3-Dichloropropene	+++++ 0.4427	0.3670 0.4386	0.3570 0.4150	0.3458	0.4416	Ave		0.4011				11.0		30.0			
1,1,2-Trichloroethane	+++++ 0.3181	0.3313 0.3129	0.3092 0.2942	0.2603	0.3186	Ave		0.3064				7.6		30.0			
Tetrachloroethene	0.7757 0.7688	0.8034 0.7741	0.6946 0.7254	0.5951	0.7510	Ave		0.7360				9.0		30.0			
Methyl Butyl Ketone (2-Hexanone)	+++++ 0.5048	+++++ 0.4811	0.5012 0.4317	0.4407	0.5326	Ave		0.4820				8.1		30.0			
Dibromochloromethane	+++++ 0.7857	0.6642 0.7898	0.6074 0.7415	0.5913	0.7673	Ave		0.7067				12.0		30.0			
1,2-Dibromoethane	+++++ 0.6404	0.6092 0.6348	0.5702 0.5930	0.5085	0.6352	Ave		0.5988				7.9		30.0			
Chlorobenzene	+++++ 1.0186	1.0903 1.0063	0.9993 0.9121	0.8314	1.0171	Ave		0.9822				8.6		30.0			
Ethylbenzene	+++++ 1.4750	1.5757 1.4210	1.4583 1.2258	1.2404	1.4950	Ave		1.4130				9.3		30.0			
n-Nonane	+++++ 0.5984	0.8019 0.5666	0.6037 0.4747	0.5397	0.6204	Ave		0.6008				17.0		30.0			
m,p-Xylene	+++++ 0.6418	0.6699 0.6103	0.6108 0.4934	0.5457	0.6556	Ave		0.6039				11.0		30.0			
Xylene, o-	+++++ 0.6567	0.6498 0.6427	0.6040 0.5656	0.5381	0.6604	Ave		0.6168				7.9		30.0			
Styrene	+++++ 1.0061	0.8035 0.9399	0.8466 0.8483	0.8035	1.0157	Ave		0.8948				10.0		30.0			
Bromoform	+++++ 0.8922	0.6343 0.8931	0.5942 0.8150	0.6259	0.8554	Ave		0.7586				18.0		30.0			
Cumene	+++++ 1.7851	1.8964 1.6964	1.6995 1.3806	1.5161	1.8202	Ave		1.6849				11.0		30.0			
1,1,2,2-Tetrachloroethane	+++++ 0.8198	0.7999 0.7900	0.7951 0.6886	0.6969	0.8378	Ave		0.7754				7.6		30.0			
n-Propylbenzene	+++++ 1.9868	2.1239 1.8504	1.9791 1.4220	1.7411	2.0659	Ave		1.8813				13.0		30.0			
1,2,3-Trichloropropane	+++++ 0.6303	+++++ 0.6044	0.6457 0.5138	0.5428	0.6512	Ave		0.5980				9.6		30.0			
n-Decane	+++++ 0.7802	+++++ 0.7205	0.7911 0.5728	0.7134	0.8210	Ave		0.7332				12.0		30.0			
4-Ethyltoluene	+++++ 1.7906	1.8429 1.6884	1.7138 1.3265	1.5325	1.8452	Ave		1.6771				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.: 200-23111-1 Analy Batch No.: 73568

SDG No.:

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

Calibration Start Date: 06/14/2014 09:46 Calibration End Date: 06/15/2014 00:33 Calibration ID: 27113

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
2-Chlorotoluene	+++++ 1.4364	1.4882 1.3785	1.4333 1.1607	1.2263	1.4765	Ave		1.3714				9.3		30.0			
1,3,5-Trimethylbenzene	+++++ 1.5305	1.5387 1.4525	1.4627 1.1959	1.2838	1.5604	Ave		1.4321				9.7		30.0			
Alpha Methyl Styrene	+++++ 0.8677	0.5930 0.6429	0.6652 0.7617	0.6737	0.8671	Ave		0.7245				15.0		30.0			
tert-Butylbenzene	+++++ 1.5620	1.6396 1.4995	1.4698 1.2458	1.3126	1.5867	Ave		1.4737				9.9		30.0			
1,2,4-Trimethylbenzene	+++++ 1.5391	1.5285 1.4714	1.4588 1.2181	1.2908	1.5712	Ave		1.4397				9.3		30.0			
sec-Butylbenzene	+++++ 2.1742	2.3225 2.0315	2.1357 1.5870	1.8820	2.2499	Ave		2.0547				12.0		30.0			
4-Isopropyltoluene	+++++ 1.9681	1.9802 1.8458	1.8355 1.4650	1.6629	2.0167	Ave		1.8249				11.0		30.0			
1,3-Dichlorobenzene	+++++ 1.2257	1.0505 1.2077	1.0616 1.0492	0.9762	1.2346	Ave		1.1151				9.4		30.0			
1,4-Dichlorobenzene	+++++ 1.2124	0.9927 1.1987	0.9952 1.0516	0.9526	1.2254	Ave		1.0898				11.0		30.0			
Benzyl chloride	+++++ 1.1314	0.6066 1.1373	0.6306 1.0352	0.8219	1.0148	Ave		0.9111				25.0		30.0			
n-Undecane	+++++ 0.8161	+++++ 0.7086	+++++ 0.5342	0.7799	0.8993	Ave		0.7476				18.0		30.0			
n-Butylbenzene	+++++ 1.5698	1.5763 1.4472	1.5592 1.1047	1.3863	1.6533	Ave		1.4710				13.0		30.0			
1,2-Dichlorobenzene	+++++ 1.1715	1.0757 1.1570	1.0666 1.0309	0.9387	1.1723	Ave		1.0875				8.0		30.0			
n-Dodecane	+++++ 0.7676	+++++ 0.6403	+++++ 0.3633	0.7102	0.8832	Ave		0.6729				29.0		30.0			
1,2,4-Trichlorobenzene	+++++ 0.9576	+++++ 0.9572	0.7604 0.9265	0.6970	0.9887	Ave		0.8812				14.0		30.0			
Hexachlorobutadiene	+++++ 1.0137	0.9228 0.9710	0.8277 0.9472	0.7628	0.9964	Ave		0.9202				10.0		30.0			
Naphthalene	+++++ 1.7878	+++++ 1.7209	1.5991 1.6266	1.3908	2.0348	Ave		1.6933				13.0		30.0			
1,2,3-Trichlorobenzene	+++++ 0.8778	0.6172 0.8663	0.8222 0.8208	0.6840	0.9379	Ave		0.8037				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 RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-23111-1 Analy Batch No.: 73568

SDG No.:

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

Calibration Start Date: 06/14/2014 09:46 Calibration End Date: 06/15/2014 00:33 Calibration ID: 27113

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-73568/16	8058_016.d
Level 2	IC 200-73568/17	8058_017.d
Level 3	IC 200-73568/5	8058_005.d
Level 4	IC 200-73568/6	8058_006.d
Level 5	ICIS 200-73568/7	8058_007.d
Level 6	IC 200-73568/8	8058_008.d
Level 7	IC 200-73568/9	8058_009.d
Level 8	IC 200-73568/10	8058_010.d

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Propylene	BCM	Ave	+++++ 692857	+++++ 951503	28691 1771444	197892	469817	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Dichlorodifluoromethane	BCM	Ave	+++++ 2910832	+++++ 4061763	98548 7608629	747607	1933403	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Freon 22	BCM	Ave	+++++ 1440544	+++++ 1977624	50950 3737410	382300	961488	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,2-Dichlorotetrafluoroethane	BCM	Ave	+++++ 2859089	39355 3999205	95767 7449174	735932	1899518	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chloromethane	BCM	Ave	+++++ 843772	+++++ 1166980	31042 2247763	222466	558815	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Butane	BCM	Ave	+++++ 1411470	+++++ 1955904	47858 3587962	390938	960486	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Vinyl chloride	BCM	Ave	2909 1071516	13826 1500404	33855 2850110	267428	709375	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Butadiene	BCM	Ave	+++++ 769038	9568 1080934	23717 2009737	191528	514526	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromomethane	BCM	Ave	+++++ 1034511	15004 1465810	35479 2763377	268550	694003	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chloroethane	BCM	Ave	+++++ 610178	+++++ 837573	19920 1664221	152928	397081	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Isopentane	BCM	Ave	+++++ 1068305	17811 1444837	37034 2757769	285950	714580	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromoethene(Vinyl Bromide)	BCM	Ave	+++++ 1317386	17540 1888632	40219 3680703	317453	846732	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Trichlorofluoromethane	BCM	Ave	+++++ 3166856	43494 4478206	102321 8531996	802571	2066602	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Pentane	BCM	Ave	+++++ 1613354	+++++ 2205967	54820 4126826	445837	1082869	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Ethanol	BCM	Ave	+++++ 526428	+++++ 1057254	144553 2329022	259516	423144	+++++ 20.0	+++++ 40.0	5.01 100.0	9.99	15.0

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

Lab Name: TestAmerica Burlington Job No.: 200-23111-1 Analy Batch No.: 73568

SDG No.:

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

Calibration Start Date: 06/14/2014 09:46 Calibration End Date: 06/15/2014 00:33 Calibration ID: 27113

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Ethyl ether	BCM	Ave	+++++ 729054	9356 1017137	23082 1961106	182930	478447	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acrolein	BCM	Ave	+++++ 311843	+++++ 466890	+++++ 823251	81340	199914	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Freon TF	BCM	Ave	+++++ 2443487	33835 3460270	76718 6592500	604357	1582240	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1-Dichloroethene	BCM	Ave	+++++ 1201494	16097 1717262	37448 3351521	292687	776062	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acetone	BCM	Ave	+++++ 1467844	+++++ 2026274	+++++ 3381803	485345	1094199	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Carbon disulfide	BCM	Ave	+++++ 2879345	+++++ 4047890	120790 7720723	720064	1911050	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Isopropyl alcohol	BCM	Ave	+++++ 1274876	+++++ 1734629	+++++ 3159644	347447	957457	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
3-Chloropropene	BCM	Ave	+++++ 1163542	14345 1602291	39032 3020811	300368	752218	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acetonitrile	BCM	Ave	+++++ 660902	+++++ 890921	+++++ 1671451	173374	456622	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Methylene Chloride	BCM	Ave	+++++ 1006237	+++++ 1402836	38678 2633913	276254	671046	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
tert-Butyl alcohol	BCM	Ave	+++++ 1863403	+++++ 2616375	+++++ 4872730	458005	1348885	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Methyl tert-butyl ether	BCM	Ave	+++++ 3256093	41521 4597376	99873 8803355	798346	2120966	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
trans-1,2-Dichloroethene	BCM	Ave	+++++ 1443844	19118 2014404	45642 3841124	368004	948948	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acrylonitrile	BCM	Ave	+++++ 712427	+++++ 1001401	22395 1928594	177908	473690	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Hexane	BCM	Ave	+++++ 1615681	31992 2252142	52199 4239416	422795	1065615	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1-Dichloroethane	BCM	Ave	5169 1912064	25071 2677573	60956 5048951	484195	1263420	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Vinyl acetate	BCM	Ave	+++++ 2416387	+++++ 3303385	+++++ 6139398	618341	1605843	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
cis-1,2-Dichloroethene	BCM	Ave	+++++ 1352225	18059 1922125	42698 3664569	331827	881650	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl Ethyl Ketone	BCM	Ave	+++++ 608947	+++++ 851760	27057 1551517	157025	401738	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Ethyl acetate	BCM	Ave	+++++ 109767	+++++ 158528	+++++ 305628	25885	71925	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Tetrahydrofuran	DFB	Ave	+++++ 1039410	+++++ 1422715	+++++ 2674556	272419	705701	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00

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

Lab Name: TestAmerica Burlington Job No.: 200-23111-1 Analy Batch No.: 73568

SDG No.:

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

Calibration Start Date: 06/14/2014 09:46 Calibration End Date: 06/15/2014 00:33 Calibration ID: 27113

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Chloroform	BCM	Ave	+++++ 2358421	31142 3320360	76086 6343073	587069	1542191	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Cyclohexane	DFB	Ave	+++++ 1800908	24186 2530869	56284 4697055	442047	1168879	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,1-Trichloroethane	DFB	Ave	+++++ 2561294	33683 3634554	80247 6873978	628498	1662042	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Carbon tetrachloride	DFB	Ave	7713 2874816	35388 4012020	83365 8010150	680928	1844146	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2,2,4-Trimethylpentane	DFB	Ave	+++++ 5334952	72781 7351362	175299 13192719	1380918	3559291	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Benzene	DFB	Ave	+++++ 3739090	53777 5240982	120833 9720994	942298	2442468	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloroethane	DFB	Ave	+++++ 1393139	18375 1938565	44842 3704274	355115	921601	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Heptane	DFB	Ave	+++++ 1773580	35562 2404421	61388 4302203	483453	1196799	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Butanol	DFB	Ave	+++++ 627214	+++++ 835337	+++++ 1639585	148627	429267	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Trichloroethene	DFB	Ave	5503 1747105	22936 2472001	55843 4703106	426021	1130167	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloropropane	DFB	Ave	+++++ 1302619	17033 1820493	41500 3465686	327230	852063	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl methacrylate	DFB	Ave	+++++ 1335036	+++++ 1872071	37507 3602894	320907	863230	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,4-Dioxane	DFB	Ave	+++++ 653911	+++++ 901913	+++++ 1657574	165196	490757	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Dibromomethane	DFB	Ave	+++++ 2147639	27649 3134433	60656 6160960	489857	1355809	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromodichloromethane	DFB	Ave	+++++ 2613934	30880 3684023	75255 6999443	634319	1699009	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
cis-1,3-Dichloropropene	DFB	Ave	+++++ 2047179	22851 2903522	56329 5578997	481858	1319964	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
methyl isobutyl ketone	DFB	Ave	+++++ 2261803	+++++ 3076004	71834 5592620	593274	1551269	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Octane	DFB	Ave	+++++ 2308838	43409 3015372	85250 4809017	667434	1613015	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Toluene	CBZ	Ave	+++++ 2936589	46690 4054395	122842 7043017	740073	1935272	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
trans-1,3-Dichloropropene	DFB	Ave	+++++ 2063052	21571 2938865	54203 5644203	483487	1334289	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2-Trichloroethane	CBZ	Ave	+++++ 1359121	17536 1909935	42354 3639849	332673	886121	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

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

Lab Name: TestAmerica Burlington Job No.: 200-23111-1 Analy Batch No.: 73568

SDG No.:

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

Calibration Start Date: 06/14/2014 09:46 Calibration End Date: 06/15/2014 00:33 Calibration ID: 27113

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Tetrachloroethene	CBZ	Ave	9162 3285183	42526 4725517	95133 8974952	760503	2088563	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl Butyl Ketone (2-Hexanone)	CBZ	Ave	+++++ 2157179	+++++ 2937185	68643 5340909	563187	1481133	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Dibromochloromethane	CBZ	Ave	+++++ 3357225	35159 4821729	83194 9173337	755633	2133863	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dibromoethane	CBZ	Ave	+++++ 2736481	32249 3875155	78099 7336033	649919	1766627	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chlorobenzene	CBZ	Ave	+++++ 4352768	57712 6143539	136867 11284649	1062572	2828706	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Ethylbenzene	CBZ	Ave	+++++ 6302731	83407 8674873	199740 15165124	1585196	4157719	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Nonane	CBZ	Ave	+++++ 2556824	42449 3458850	82690 5873494	689710	1725249	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
m,p-Xylene	CBZ	Ave	+++++ 5485150	70917 7451684	167318 12208966	1394934	3646323	+++++ 30.0	0.401 40.0	1.00 80.0	9.99	20.0
Xylene, o-	CBZ	Ave	+++++ 2806217	34397 3923558	82736 6997225	687636	1836715	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Styrene	CBZ	Ave	+++++ 4299320	42532 5737755	115962 10494982	1026893	2824642	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromoform	CBZ	Ave	+++++ 3812482	33576 5452167	81382 10083003	799953	2378879	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Cumene	CBZ	Ave	+++++ 7628058	100381 10356587	232776 17080367	1937563	5061976	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2,2-Tetrachloroethane	CBZ	Ave	+++++ 3503138	42339 4823035	108909 8518880	890654	2329893	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Propylbenzene	CBZ	Ave	+++++ 8489813	112425 11296326	271077 17592520	2225165	5745350	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2,3-Trichloropropane	CBZ	Ave	+++++ 2693181	+++++ 3689873	88437 6356239	693732	1811073	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Decane	CBZ	Ave	+++++ 3334014	+++++ 4398332	108353 7086822	911682	2283318	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
4-Ethyltoluene	CBZ	Ave	+++++ 7651300	97551 10307652	234733 16411245	1958494	5131642	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2-Chlorotoluene	CBZ	Ave	+++++ 6137873	78772 8415712	196319 14360093	1567267	4106250	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3,5-Trimethylbenzene	CBZ	Ave	+++++ 6540016	81446 8867452	200347 14795627	1640731	4339590	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Alpha Methyl Styrene	CBZ	Ave	+++++ 3707868	31387 3925078	91112 9423340	860947	2411568	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
tert-Butylbenzene	CBZ	Ave	+++++ 6674529	86788 9154073	201317 15413556	1677467	4412729	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

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

Lab Name: TestAmerica Burlington Job No.: 200-23111-1 Analy Batch No.: 73568

SDG No.:

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

Calibration Start Date: 06/14/2014 09:46 Calibration End Date: 06/15/2014 00:33 Calibration ID: 27113

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,2,4-Trimethylbenzene	CBZ	Ave	+++++ 6576813	80906 8982477	199810 15069740	1649626	4369672	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
sec-Butylbenzene	CBZ	Ave	+++++ 9290663	122936 12402136	292530 19634253	2405166	6257024	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
4-Isopropyltoluene	CBZ	Ave	+++++ 8409771	104819 11268593	251401 18124664	2125241	5608679	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Dichlorobenzene	CBZ	Ave	+++++ 5237605	55608 7372882	145401 12980976	1247575	3433407	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,4-Dichlorobenzene	CBZ	Ave	+++++ 5180659	52544 7317633	136314 13010045	1217482	3407885	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Benzyl chloride	CBZ	Ave	+++++ 4834437	32111 6942988	86377 12807793	1050437	2822199	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Undecane	CBZ	Ave	+++++ 3487267	+++++ 4325990	+++++ 6609261	996662	2500936	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
n-Butylbenzene	CBZ	Ave	+++++ 6707811	83439 8834923	213563 13667013	1771724	4597886	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichlorobenzene	CBZ	Ave	+++++ 5006056	56937 7063418	146086 12754739	1199685	3260124	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Dodecane	CBZ	Ave	+++++ 3279874	+++++ 3909122	+++++ 4494545	907645	2456241	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
1,2,4-Trichlorobenzene	CBZ	Ave	+++++ 4092050	+++++ 5843441	104158 11463036	890796	2749600	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Hexachlorobutadiene	CBZ	Ave	+++++ 4331819	48847 5927691	113372 11719000	974898	2771121	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Naphthalene	CBZ	Ave	+++++ 7639569	+++++ 10505873	219022 20124744	1777404	5658932	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,2,3-Trichlorobenzene	CBZ	Ave	+++++ 3751034	32670 5288687	112610 10155190	874223	2608308	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

Curve Type Legend:
Ave = Average ISTD

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

Lab Name: TestAmerica Burlington Job No.: 200-23144-1 Analy Batch No.: 74492

SDG No.:

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

Calibration Start Date: 07/02/2014 16:53 Calibration End Date: 07/02/2014 22:50 Calibration ID: 27459

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-74492/3	8394_003.D
Level 2	IC 200-74492/4	8394_004.D
Level 3	IC 200-74492/5	8394_005.D
Level 4	IC 200-74492/6	8394_006.D
Level 5	ICIS 200-74492/7	8394_007.D
Level 6	IC 200-74492/8	8394_008.D
Level 7	IC 200-74492/9	8394_009.D
Level 8	IC 200-74492/10	8394_010.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Propylene	+++++ 0.2221	+++++ 0.2215	0.2768 0.2077	0.2438	0.2310	Ave		0.2338				10.0		30.0			
Dichlorodifluoromethane	+++++ 1.8362	+++++ 1.8186	2.0429 1.6439	2.0002	1.8861	Ave		1.8713				7.6		30.0			
Freon 22	+++++ 0.6990	+++++ 0.6988	0.7730 0.6423	0.7845	0.7217	Ave		0.7199				7.3		30.0			
1,2-Dichlorotetrafluoroethane	+++++ 1.5484	1.8886 1.5238	1.7738 1.3774	1.7231	1.6006	Ave		1.6337				11.0		30.0			
Chloromethane	+++++ 0.3486	+++++ 0.3462	0.3926 0.3266	0.3826	0.3588	Ave		0.3592				6.8		30.0			
n-Butane	+++++ 0.4296	+++++ 0.4310	0.5139 0.3995	0.4844	0.4446	Ave		0.4505				9.2		30.0			
Vinyl chloride	0.6601 0.4622	0.5456 0.4627	0.5177 0.4337	0.5132	0.4752	Ave		0.5088				14.0		30.0			
1,3-Butadiene	+++++ 0.2812	0.3467 0.2807	0.3205 0.2616	0.3095	0.2877	Ave		0.2983				9.7		30.0			
Bromomethane	+++++ 0.6697	0.8043 0.6713	0.7225 0.6224	0.7255	0.6845	Ave		0.7000				8.3		30.0			
Chloroethane	+++++ 0.1712	+++++ 0.1722	0.1948 0.1631	0.1827	0.1740	Ave		0.1763				6.2		30.0			
Isopentane	+++++ 0.2618	0.3163 0.2589	0.2983 0.2438	0.2881	0.2693	Ave		0.2766				9.1		30.0			
Bromoethene(Vinyl Bromide)	+++++ 0.8023	0.8782 0.7973	0.8322 0.7483	0.8588	0.8108	Ave		0.8183				5.3		30.0			
Trichlorofluoromethane	+++++ 2.0092	2.3216 1.9991	2.2060 1.8584	2.1850	2.0592	Ave		2.0912				7.4		30.0			
n-Pentane	+++++ 0.4409	+++++ 0.4386	0.5323 0.4134	0.4930	0.4573	Ave		0.4626				9.3		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Burlington Job No.: 200-23144-1 Analy Batch No.: 74492

SDG No.:

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

Calibration Start Date: 07/02/2014 16:53 Calibration End Date: 07/02/2014 22:50 Calibration ID: 27459

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Ethanol	+++++ 0.0987	+++++ 0.1196	0.1151 0.1036	0.1274	0.1017	Ave		0.1110				10.0		30.0			
Ethyl ether	+++++ 0.2305	0.2659 0.2333	0.2601 0.2205	0.2498	0.2387	Ave		0.2427				6.8		30.0			
Acrolein	+++++ 0.0991	+++++ 0.1051	+++++ 0.0901	0.1220	0.1018	Ave		0.1036				11.0		30.0			
Freon TF	+++++ 1.3183	1.4910 1.3097	1.4796 1.1963	1.4444	1.3595	Ave		1.3713				7.8		30.0			
1,1-Dichloroethene	+++++ 0.5667	0.6742 0.5674	0.6484 0.5215	0.6246	0.5873	Ave		0.5986				8.9		30.0			
Acetone	+++++ 0.4862	+++++ 0.4611	+++++ 0.4603	0.5204	0.5237	Ave		0.4904				6.3		30.0			
Carbon disulfide	+++++ 1.4275	+++++ 1.4350	2.1250 1.3500	1.5477	1.4619	Ave		1.5579				18.0		30.0			
Isopropyl alcohol	+++++ 0.4118	+++++ 0.3931	+++++ 0.4000	0.3944	0.4445	Ave		0.4088				5.2		30.0			
3-Chloropropene	+++++ 0.3514	0.4598 0.3588	0.4202 0.3342	0.3917	0.3585	Ave		0.3821				12.0		30.0			
Acetonitrile	+++++ 0.1938	+++++ 0.1858	+++++ 0.1858	0.2076	0.1982	Ave		0.1943				4.7		30.0			
Methylene Chloride	+++++ 0.4168	+++++ 0.4128	0.5094 0.3871	0.4633	0.4255	Ave		0.4358				10.0		30.0			
tert-Butyl alcohol	+++++ 0.7681	+++++ 0.7320	+++++ 0.7502	0.7194	0.8165	Ave		0.7572				5.0		30.0			
Methyl tert-butyl ether	+++++ 1.3262	1.4734 1.3303	1.4324 1.2467	1.4244	1.3454	Ave		1.3684				5.7		30.0			
trans-1,2-Dichloroethene	+++++ 0.6233	0.7348 0.6191	0.6746 0.5723	0.6828	0.6355	Ave		0.6489				8.2		30.0			
Acrylonitrile	+++++ 0.2364	+++++ 0.2363	0.2392 0.2266	0.2499	0.2392	Ave		0.2379				3.1		30.0			
n-Hexane	+++++ 0.4789	0.6062 0.4714	0.5187 0.4468	0.5137	0.4845	Ave		0.5029				10.0		30.0			
1,1-Dichloroethane	1.2649 0.8878	0.9770 0.8886	0.9375 0.8401	0.9476	0.9024	Ave		0.9557				14.0		30.0			
Vinyl acetate	+++++ 0.8599	+++++ 0.8687	+++++ 0.8131	0.9352	0.8681	Ave		0.8690				5.0		30.0			
cis-1,2-Dichloroethene	+++++ 0.8446	0.9592 0.8444	0.9232 0.7893	0.9063	0.8491	Ave		0.8737				6.7		30.0			
Methyl Ethyl Ketone	+++++ 0.2558	+++++ 0.2515	0.3148 0.2423	0.2812	0.2642	Ave		0.2683				9.8		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Burlington Job No.: 200-23144-1 Analy Batch No.: 74492

SDG No.:

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

Calibration Start Date: 07/02/2014 16:53 Calibration End Date: 07/02/2014 22:50 Calibration ID: 27459

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Ethyl acetate	+++++ 0.0404	+++++ 0.0397	+++++ 0.0374	0.0421	0.0399	Ave		0.0399				4.2		30.0			
Tetrahydrofuran	+++++ 0.0671	+++++ 0.0658	+++++ 0.0622	0.0747	0.0689	Ave		0.0677				6.8		30.0			
Chloroform	+++++ 1.7444	1.9658 1.7493	1.8747 1.6206	1.8887	1.7845	Ave		1.8040				6.4		30.0			
Cyclohexane	+++++ 0.1514	0.1814 0.1503	0.1666 0.1384	0.1713	0.1566	Ave		0.1594				9.1		30.0			
1,1,1-Trichloroethane	+++++ 0.3517	0.4009 0.3481	0.3910 0.3205	0.3979	0.3592	Ave		0.3670				8.2		30.0			
Carbon tetrachloride	0.6067 0.4643	0.5130 0.4605	0.4953 0.4255	0.5177	0.4730	Ave		0.4945				11.0		30.0			
2,2,4-Trimethylpentane	+++++ 0.4623	0.5469 0.4522	0.5208 0.4044	0.5373	0.4805	Ave		0.4864				11.0		30.0			
Benzene	+++++ 0.4083	0.5395 0.4003	0.4882 0.3595	0.4769	0.4229	Ave		0.4422				14.0		30.0			
1,2-Dichloroethane	+++++ 0.2003	0.2247 0.1987	0.2174 0.1863	0.2255	0.2046	Ave		0.2082				7.1		30.0			
n-Heptane	+++++ 0.1502	0.1873 0.1469	0.1771 0.1315	0.1762	0.1562	Ave		0.1608				12.0		30.0			
n-Butanol	+++++ 0.0604	+++++ 0.0622	+++++ 0.0557	0.0643	0.0681	Ave		0.0621				7.4		30.0			
Trichloroethene	0.4193 0.2918	0.3449 0.2858	0.3289 0.2559	0.3312	0.3007	Ave		0.3198				15.0		30.0			
1,2-Dichloropropane	+++++ 0.1978	0.2165 0.1956	0.2086 0.1778	0.2185	0.2019	Ave		0.2024				6.9		30.0			
Methyl methacrylate	+++++ 0.1819	+++++ 0.1791	0.1812 0.1628	0.1951	0.1838	Ave		0.1806				5.8		30.0			
1,4-Dioxane	+++++ 0.0986	+++++ 0.0907	+++++ 0.0851	0.1047	0.1063	Ave		0.0971				9.4		30.0			
Dibromomethane	+++++ 0.4443	0.4962 0.4427	0.4663 0.4054	0.4896	0.4493	Ave		0.4563				6.8		30.0			
Bromodichloromethane	+++++ 0.5574	0.5765 0.5567	0.5552 0.5111	0.6097	0.5633	Ave		0.5614				5.2		30.0			
cis-1,3-Dichloropropene	+++++ 0.3980	0.4173 0.3954	0.3526 0.3638	0.4404	0.4022	Ave		0.3957				7.6		30.0			
methyl isobutyl ketone	+++++ 0.3252	+++++ 0.3168	0.4373 0.2861	0.3678	0.3349	Ave		0.3447				15.0		30.0			
Toluene	+++++ 0.4491	0.4762 0.4404	0.4389 0.3901	0.5498	0.4594	Ave		0.4577				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.: 200-23144-1 Analy Batch No.: 74492

SDG No.:

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

Calibration Start Date: 07/02/2014 16:53 Calibration End Date: 07/02/2014 22:50 Calibration ID: 27459

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
n-Octane	+++++ 0.3103	0.3415 0.2989	0.3209 0.2534	0.3742	0.3255	Ave		0.3178				12.0		30.0			
trans-1,3-Dichloropropene	+++++ 0.4187	0.3935 0.4149	0.3695 0.3826	0.4620	0.4232	Ave		0.4092				7.5		30.0			
1,1,2-Trichloroethane	+++++ 0.2426	0.2379 0.2333	0.2292 0.2186	0.2903	0.2494	Ave		0.2430				9.5		30.0			
Tetrachloroethene	0.8181 0.5641	0.6107 0.5679	0.5901 0.5297	0.6613	0.5686	Ave		0.6138				15.0		30.0			
Methyl Butyl Ketone (2-Hexanone)	+++++ 0.2726	+++++ 0.2649	0.3717 0.2350	0.3310	0.2795	Ave		0.2925				17.0		30.0			
Dibromochloromethane	+++++ 0.7088	0.6270 0.7096	0.6138 0.6615	0.8165	0.7150	Ave		0.6932				9.8		30.0			
1,2-Dibromoethane	+++++ 0.5404	0.5102 0.5332	0.5058 0.4895	0.6468	0.5498	Ave		0.5394				9.6		30.0			
Chlorobenzene	+++++ 0.7118	0.7728 0.7032	0.7156 0.6441	0.8542	0.7251	Ave		0.7324				9.0		30.0			
Ethylbenzene	+++++ 0.9362	0.9724 0.9197	0.9445 0.7970	1.1578	0.9667	Ave		0.9563				11.0		30.0			
n-Nonane	+++++ 0.3125	0.3313 0.3033	0.3111 0.2572	0.3997	0.3283	Ave		0.3205				13.0		30.0			
m,p-Xylene	+++++ 0.4017	0.4385 0.3878	0.4161 0.3446	0.5094	0.4247	Ave		0.4175				12.0		30.0			
Xylene, o-	+++++ 0.4352	0.4440 0.4259	0.4224 0.3727	0.5278	0.4474	Ave		0.4393				11.0		30.0			
Styrene	+++++ 0.6066	0.6086 0.5709	0.5796 0.5099	0.7771	0.6564	Ave		0.6156				14.0		30.0			
Bromoform	+++++ 0.8291	0.7182 0.8250	0.7223 0.7232	0.9577	0.8370	Ave		0.8018				11.0		30.0			
Cumene	+++++ 1.1377	1.1948 1.1256	1.1393 0.9853	1.3881	1.1780	Ave		1.1641				10.0		30.0			
1,1,2,2-Tetrachloroethane	+++++ 0.5984	0.5894 0.5845	0.5777 0.5034	0.7399	0.6233	Ave		0.6024				12.0		30.0			
n-Propylbenzene	+++++ 1.2687	1.3318 1.2360	1.3009 1.0280	1.5811	1.3209	Ave		1.2953				13.0		30.0			
1,2,3-Trichloropropane	+++++ 0.4153	+++++ 0.4023	0.4078 0.3519	0.5172	0.4307	Ave		0.4209				13.0		30.0			
n-Decane	+++++ 0.3514	+++++ 0.3219	0.3943 0.2365	0.4940	0.3884	Ave		0.3644				23.0		30.0			
4-Ethyltoluene	+++++ 1.0451	1.1744 0.9738	1.1309 0.7304	1.3470	1.1150	Ave		1.0738				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.: 200-23144-1 Analy Batch No.: 74492

SDG No.:

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

Calibration Start Date: 07/02/2014 16:53 Calibration End Date: 07/02/2014 22:50 Calibration ID: 27459

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
2-Chlorotoluene	+++++ 0.8084	0.9412 0.7457	0.9127 0.5708	1.0740	0.8708	Ave		0.8462				19.0		30.0			
1,3,5-Trimethylbenzene	+++++ 0.9300	0.9932 0.8773	0.9485 0.7714	1.1603	0.9817	Ave		0.9518				12.0		30.0			
Alpha Methyl Styrene	+++++ 0.5417	0.5146 0.5172	0.5058 0.4577	0.6658	0.5754	Ave		0.5397				12.0		30.0			
tert-Butylbenzene	+++++ 0.9034	1.0020 0.8529	0.9748 0.7730	1.1757	0.9871	Ave		0.9527				13.0		30.0			
1,2,4-Trimethylbenzene	+++++ 0.8661	0.9903 0.8381	0.9690 0.7491	1.1797	0.9560	Ave		0.9355				15.0		30.0			
sec-Butylbenzene	+++++ 1.2685	1.4460 1.1851	1.3826 0.9786	1.6963	1.3974	Ave		1.3363				17.0		30.0			
4-Isopropyltoluene	+++++ 1.1355	1.2745 1.0666	1.2437 0.8878	1.5052	1.2534	Ave		1.1953				16.0		30.0			
1,3-Dichlorobenzene	+++++ 0.7778	0.9271 0.7494	0.8746 0.6587	1.0399	0.8573	Ave		0.8407				15.0		30.0			
1,4-Dichlorobenzene	+++++ 0.8728	0.9233 0.8340	0.8999 0.7106	1.0558	0.9022	Ave		0.8855				12.0		30.0			
Benzyl chloride	+++++ 0.7124	0.7804 0.7916	0.7895 0.5995	1.0328	0.7770	Ave		0.7833				17.0		30.0			
n-Butylbenzene	+++++ 0.8752	0.9875 0.8159	1.0158 0.6759	1.2360	1.0040	Ave		0.9443				19.0		30.0			
n-Undecane	+++++ 0.3475	+++++ 0.3218	+++++ 0.2624	0.5403	0.3985	Ave		0.3741				28.0		30.0			
1,2-Dichlorobenzene	+++++ 0.7735	0.8976 0.7449	0.8567 0.6672	1.0006	0.8479	Ave		0.8269				13.0		30.0			
n-Dodecane	+++++ 0.2892	+++++ 0.2959	+++++ 0.2269	0.2546	0.2650	Ave		0.2663				10.0		30.0			
1,2,4-Trichlorobenzene	+++++ 0.7595	+++++ 0.7989	0.5140 0.6651	0.8390	0.7896	Ave		0.7277				16.0		30.0			
Hexachlorobutadiene	+++++ 0.6853	0.4991 0.6750	0.6211 0.5690	0.8001	0.6927	Ave		0.6489				15.0		30.0			
Naphthalene	+++++ 1.2656	+++++ 1.4078	0.8152 1.0672	1.4045	1.4291	Ave		1.2316				20.0		30.0			
1,2,3-Trichlorobenzene	+++++ 0.6653	0.0619 0.7211	0.2120 0.6060	0.6810	0.6687	Ave		0.5166				51.0	*	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.: 200-23144-1 Analy Batch No.: 74492

SDG No.:

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

Calibration Start Date: 07/02/2014 16:53 Calibration End Date: 07/02/2014 22:50 Calibration ID: 27459

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-74492/3	8394_003.D
Level 2	IC 200-74492/4	8394_004.D
Level 3	IC 200-74492/5	8394_005.D
Level 4	IC 200-74492/6	8394_006.D
Level 5	ICIS 200-74492/7	8394_007.D
Level 6	IC 200-74492/8	8394_008.D
Level 7	IC 200-74492/9	8394_009.D
Level 8	IC 200-74492/10	8394_010.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Propylene	BCM	Ave	+++++ 248238	+++++ 334533	10181 629961	80328	170098	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Dichlorodifluoromethane	BCM	Ave	+++++ 2052460	+++++ 2746723	75136 4986750	659036	1388924	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Freon 22	BCM	Ave	+++++ 781362	+++++ 1055477	28429 1948312	258482	531495	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,2-Dichlorotetrafluoroethane	BCM	Ave	+++++ 1730831	27887 2301387	65238 4178200	567744	1178683	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chloromethane	BCM	Ave	+++++ 389619	+++++ 522865	14441 990675	126051	264186	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Butane	BCM	Ave	+++++ 480180	+++++ 650927	18900 1211908	159615	327428	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Vinyl chloride	BCM	Ave	1960 516605	8056 698882	19041 1315601	169108	349959	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Butadiene	BCM	Ave	+++++ 314284	5120 423907	11789 793670	101988	211856	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromomethane	BCM	Ave	+++++ 748619	11877 1013830	26575 1887948	239046	504040	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chloroethane	BCM	Ave	+++++ 191365	+++++ 260103	7164 494901	60213	128119	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Isopentane	BCM	Ave	+++++ 292654	4671 391064	10970 739511	94913	198285	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromoethene(Vinyl Bromide)	BCM	Ave	+++++ 896832	12968 1204122	30607 2269898	282960	597098	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Trichlorofluoromethane	BCM	Ave	+++++ 2245848	34281 3019351	81134 5637436	719932	1516389	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Pentane	BCM	Ave	+++++ 492875	+++++ 662396	19578 1253971	162445	336759	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Ethanol	BCM	Ave	+++++ 147485	+++++ 361264	42403 785938	84040	112410	+++++ 20.0	+++++ 40.0	5.01 100.0	9.99	15.0

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

Lab Name: TestAmerica Burlington Job No.: 200-23144-1 Analy Batch No.: 74492

SDG No.:

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

Calibration Start Date: 07/02/2014 16:53 Calibration End Date: 07/02/2014 22:50 Calibration ID: 27459

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Ethyl ether	BCM	Ave	+++++ 257695	3926 352366	9565 668853	82304	175759	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acrolein	BCM	Ave	+++++ 110757	+++++ 158749	+++++ 273249	40191	74954	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Freon TF	BCM	Ave	+++++ 1473574	22017 1978116	54420 3629111	475931	1001116	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1-Dichloroethene	BCM	Ave	+++++ 633456	9955 856937	23848 1581871	205789	432465	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acetone	BCM	Ave	+++++ 543463	+++++ 696447	+++++ 1396466	171477	385646	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Carbon disulfide	BCM	Ave	+++++ 1595637	+++++ 2167289	78156 4095371	509964	1076544	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Isopropyl alcohol	BCM	Ave	+++++ 460324	+++++ 593698	+++++ 1213520	129962	327317	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
3-Chloropropene	BCM	Ave	+++++ 392816	6790 541845	15454 1013681	129047	263998	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acetonitrile	BCM	Ave	+++++ 216661	+++++ 280622	+++++ 563737	68410	145956	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Methylene Chloride	BCM	Ave	+++++ 465923	+++++ 623529	18735 1174184	152647	313322	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
tert-Butyl alcohol	BCM	Ave	+++++ 858559	+++++ 1105577	+++++ 2275587	237024	601255	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Methyl tert-butyl ether	BCM	Ave	+++++ 1482379	21757 2009215	52683 3781742	469313	990784	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
trans-1,2-Dichloroethene	BCM	Ave	+++++ 696669	10851 935122	24810 1736064	224972	467993	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acrylonitrile	BCM	Ave	+++++ 264296	+++++ 356881	8796 687328	82334	176110	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Hexane	BCM	Ave	+++++ 535339	8951 711926	19077 1355462	169269	356751	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1-Dichloroethane	BCM	Ave	3756 992349	14427 1342070	34482 2548548	312223	664527	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Vinyl acetate	BCM	Ave	+++++ 961163	+++++ 1311958	+++++ 2466517	308138	639235	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
cis-1,2-Dichloroethene	BCM	Ave	+++++ 944053	14164 1275346	33954 2394412	298629	625255	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl Ethyl Ketone	BCM	Ave	+++++ 285885	+++++ 379857	11578 735076	92649	194570	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Ethyl acetate	BCM	Ave	+++++ 45214	+++++ 59932	+++++ 113515	13862	29405	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Tetrahydrofuran	DFB	Ave	+++++ 430719	+++++ 576204	+++++ 1106888	135743	290899	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00

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

Lab Name: TestAmerica Burlington Job No.: 200-23144-1 Analy Batch No.: 74492

SDG No.:

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

Calibration Start Date: 07/02/2014 16:53 Calibration End Date: 07/02/2014 22:50 Calibration ID: 27459

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Chloroform	BCM	Ave	+++++ 1949887	29028 2641991	68952 4915950	622301	1314095	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Cyclohexane	DFB	Ave	+++++ 972806	15325 1316475	34830 2462409	311095	660836	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,1-Trichloroethane	DFB	Ave	+++++ 2259124	33861 3048069	81720 5702131	722761	1515770	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Carbon tetrachloride	DFB	Ave	10483 2982638	43332 4032530	103533 7570939	940346	1995966	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2,2,4-Trimethylpentane	DFB	Ave	+++++ 2969645	46201 3960383	108865 7195316	975981	2027474	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Benzene	DFB	Ave	+++++ 2622407	45568 3505680	102043 6395577	866366	1784486	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloroethane	DFB	Ave	+++++ 1286886	18984 1739793	45451 3314147	409558	863241	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Heptane	DFB	Ave	+++++ 964807	15822 1286239	37010 2340510	320065	659127	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Butanol	DFB	Ave	+++++ 387928	+++++ 544324	+++++ 990577	116839	287275	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Trichloroethene	DFB	Ave	7245 1874574	29130 2502989	68741 4552400	601665	1268564	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloropropane	DFB	Ave	+++++ 1270840	18291 1712858	43604 3164014	396923	851826	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl methacrylate	DFB	Ave	+++++ 1168433	+++++ 1568102	37868 2895793	354345	775397	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,4-Dioxane	DFB	Ave	+++++ 633593	+++++ 794147	+++++ 1513809	190151	448454	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Dibromomethane	DFB	Ave	+++++ 2853915	41918 3877032	97463 7212136	889445	1895687	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromodichloromethane	DFB	Ave	+++++ 3580395	48696 4874941	116055 9094120	1107576	2376718	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
cis-1,3-Dichloropropene	DFB	Ave	+++++ 2556635	35253 3462439	73709 6472768	800005	1696969	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
methyl isobutyl ketone	DFB	Ave	+++++ 2088690	+++++ 2774196	91397 5091128	668136	1412894	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Toluene	CBZ	Ave	+++++ 3405892	46684 4560578	106348 8223022	1091891	2285976	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Octane	DFB	Ave	+++++ 1993459	28850 2617124	67072 4508533	679811	1373381	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
trans-1,3-Dichloropropene	DFB	Ave	+++++ 2689208	33239 3633133	77239 6807440	839204	1785664	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2-Trichloroethane	CBZ	Ave	+++++ 1839935	23326 2415800	55540 4606487	576495	1240809	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

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

Lab Name: TestAmerica Burlington Job No.: 200-23144-1 Analy Batch No.: 74492

SDG No.:

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

Calibration Start Date: 07/02/2014 16:53 Calibration End Date: 07/02/2014 22:50 Calibration ID: 27459

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Tetrachloroethene	CBZ	Ave	16530 4277622	59866 5881274	142977 11164328	1313294	2829359	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl Butyl Ketone (2-Hexanone)	CBZ	Ave	+++++ 2067147	+++++ 2742915	90071 4954036	657345	1390936	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Dibromochloromethane	CBZ	Ave	+++++ 5374683	61464 7347985	148726 13941233	1621516	3557458	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dibromoethane	CBZ	Ave	+++++ 4097725	50013 5520975	122566 10316660	1284392	2735727	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chlorobenzene	CBZ	Ave	+++++ 5397449	75764 7281602	173403 13575617	1696224	3607841	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Ethylbenzene	CBZ	Ave	+++++ 7099201	95324 9524030	228858 16798557	2299201	4809938	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Nonane	CBZ	Ave	+++++ 2369525	32478 3141246	75385 5421533	793770	1633586	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
m,p-Xylene	CBZ	Ave	+++++ 6092796	85973 8031951	201629 14527284	2023026	4226010	+++++ 30.0	0.401 40.0	1.00 80.0	9.99	20.0
Xylene, o-	CBZ	Ave	+++++ 3299986	43531 4410067	102343 7856022	1048212	2225939	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Styrene	CBZ	Ave	+++++ 4600154	59660 5911640	140439 10747251	1543131	3266111	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromoform	CBZ	Ave	+++++ 6287112	70403 8543463	175025 15242409	1901837	4164584	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Cumene	CBZ	Ave	+++++ 8627384	117124 11655853	276053 20767873	2756567	5861433	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2,2-Tetrachloroethane	CBZ	Ave	+++++ 4538003	57781 6053126	139978 10610504	1469369	3101329	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Propylbenzene	CBZ	Ave	+++++ 9620625	130557 12799413	315206 21665918	3139875	6572073	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2,3-Trichloropropane	CBZ	Ave	+++++ 3149011	+++++ 4165677	98823 7417500	1027053	2143237	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Decane	CBZ	Ave	+++++ 2664452	+++++ 3333113	95538 4985061	980994	1932680	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
4-Ethyltoluene	CBZ	Ave	+++++ 7924974	115131 10084016	274011 15395459	2674878	5547856	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2-Chlorotoluene	CBZ	Ave	+++++ 6130377	92271 7722128	221154 12029937	2132794	4332664	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3,5-Trimethylbenzene	CBZ	Ave	+++++ 7052115	97367 9084821	229822 16258887	2304215	4884740	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Alpha Methyl Styrene	CBZ	Ave	+++++ 4107911	50445 5355795	122551 9646840	1322138	2862811	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
tert-Butylbenzene	CBZ	Ave	+++++ 6850331	98233 8831941	236192 16293364	2334681	4911360	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

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

Lab Name: TestAmerica Burlington Job No.: 200-23144-1 Analy Batch No.: 74492

SDG No.:

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

Calibration Start Date: 07/02/2014 16:53 Calibration End Date: 07/02/2014 22:50 Calibration ID: 27459

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,2,4-Trimethylbenzene	CBZ	Ave	+++++ 6567904	97086 8678723	234797 15788691	2342749	4756462	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
sec-Butylbenzene	CBZ	Ave	+++++ 9618961	141754 12272403	335004 20625130	3368522	6952758	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
4-Isopropyltoluene	CBZ	Ave	+++++ 8610591	124944 11044565	301362 18712796	2989165	6236657	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Dichlorobenzene	CBZ	Ave	+++++ 5898248	90887 7759937	211924 13883479	2065097	4265753	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,4-Dichlorobenzene	CBZ	Ave	+++++ 6618313	90509 8636137	218051 14976306	2096584	4489041	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Benzyl chloride	CBZ	Ave	+++++ 5402313	76506 8197057	191303 12635790	2050975	3866190	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Butylbenzene	CBZ	Ave	+++++ 6637133	96803 8448748	246135 14245155	2454528	4995441	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Undecane	CBZ	Ave	+++++ 2635136	+++++ 3331874	+++++ 5529599	1072885	1983037	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
1,2-Dichlorobenzene	CBZ	Ave	+++++ 5865567	87994 7713267	207591 14063424	1987125	4218686	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Dodecane	CBZ	Ave	+++++ 2193018	+++++ 3064336	+++++ 4782790	505603	1318300	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
1,2,4-Trichlorobenzene	CBZ	Ave	+++++ 5759291	+++++ 8272628	124545 14018212	1666134	3928763	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Hexachlorobutadiene	CBZ	Ave	+++++ 5196551	48930 6989540	150485 11992787	1588774	3446578	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Naphthalene	CBZ	Ave	+++++ 9597027	+++++ 14578294	197517 22492855	2789120	7110590	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,2,3-Trichlorobenzene	CBZ	Ave	+++++ 5044738	6067 7466788	51372 12772652	1352324	3327278	+++++ 15.0	0.200 20.0	0.500 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.: 200-23084-1

SDG No.:

Lab Sample ID: ICV 200-74492/13 Calibration Date: 07/03/2014 01:24

Instrument ID: CHG.i Calib Start Date: 07/02/2014 16:53

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 07/02/2014 22:50

Lab File ID: 8394_013.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.2338	0.2141		9.16	10.0	-8.4	30.0
Dichlorodifluoromethane	Ave	1.871	1.815		9.70	10.0	-3.0	30.0
Freon 22	Ave	0.7199	0.7010		9.74	10.0	-2.6	30.0
1,2-Dichlorotetrafluoroethane	Ave	1.634	1.736		10.6	10.0	6.3	30.0
Chloromethane	Ave	0.3592	0.3410		9.49	10.0	-5.1	30.0
n-Butane	Ave	0.4505	0.4377		9.71	10.0	-2.8	30.0
Vinyl chloride	Ave	0.5088	0.4599		9.04	10.0	-9.6	30.0
1,3-Butadiene	Ave	0.2983	0.2720		9.12	10.0	-8.8	30.0
Bromomethane	Ave	0.7000	0.6762		9.66	10.0	-3.4	30.0
Chloroethane	Ave	0.1763	0.1670		9.47	10.0	-5.3	30.0
Isopentane	Ave	0.2766	0.2840		10.3	10.0	2.7	30.0
Bromoethene(Vinyl Bromide)	Ave	0.8183	0.8003		9.78	10.0	-2.2	30.0
Trichlorofluoromethane	Ave	2.091	2.003		9.58	10.0	-4.2	30.0
n-Pentane	Ave	0.4626	0.4918		10.6	10.0	6.3	30.0
Ethanol	Ave	0.1110	0.1309		17.7	15.0	17.9	30.0
Ethyl ether	Ave	0.2427	0.2588		10.7	10.0	6.6	30.0
Acrolein	Ave	0.1036	0.1091		10.5	10.0	5.3	30.0
Freon TF	Ave	1.371	1.353		9.86	10.0	-1.4	30.0
1,1-Dichloroethene	Ave	0.5986	0.5753		9.61	10.0	-3.9	30.0
Acetone	Ave	0.4904	0.5234		10.7	10.0	6.7	30.0
Carbon disulfide	Ave	1.558	1.906		12.2	10.0	22.4	30.0
Isopropyl alcohol	Ave	0.4088	0.3535		8.64	10.0	-13.5	30.0
3-Chloropropene	Ave	0.3821	0.3418		8.94	10.0	-10.5	30.0
Acetonitrile	Ave	0.1943	0.2046		10.5	10.0	5.3	30.0
Methylene Chloride	Ave	0.4358	0.4358		10.0	10.0	0.0	30.0
tert-Butyl alcohol	Ave	0.7572	0.6822		9.01	10.0	-9.9	30.0
Methyl tert-butyl ether	Ave	1.368	1.341		9.80	10.0	-2.0	30.0
trans-1,2-Dichloroethene	Ave	0.6489	0.6686		10.3	10.0	3.0	30.0
Acrylonitrile	Ave	0.2379	0.2476		10.4	10.0	4.1	30.0
n-Hexane	Ave	0.5029	0.5157		10.3	10.0	2.5	30.0
1,1-Dichloroethane	Ave	0.9557	0.8985		9.40	10.0	-6.0	30.0
Vinyl acetate	Ave	0.8690	0.8255		9.50	10.0	-5.0	30.0
cis-1,2-Dichloroethene	Ave	0.8737	0.8398		9.61	10.0	-3.9	30.0
Methyl Ethyl Ketone	Ave	0.2683	0.2606		9.71	10.0	-2.9	30.0
Ethyl acetate	Ave	0.0399	0.0431		10.8	10.0	8.1	30.0
Tetrahydrofuran	Ave	0.0677	0.0668		9.86	10.0	-1.4	30.0
Chloroform	Ave	1.804	1.781		9.87	10.0	-1.3	30.0
Cyclohexane	Ave	0.1594	0.1537		9.64	10.0	-3.6	30.0
1,1,1-Trichloroethane	Ave	0.3670	0.3563		9.71	10.0	-2.9	30.0
Carbon tetrachloride	Ave	0.4945	0.4639		9.38	10.0	-6.2	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-23084-1

SDG No.:

Lab Sample ID: ICV 200-74492/13 Calibration Date: 07/03/2014 01:24

Instrument ID: CHG.i Calib Start Date: 07/02/2014 16:53

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 07/02/2014 22:50

Lab File ID: 8394_013.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,2,4-Trimethylpentane	Ave	0.4864	0.4621		9.50	10.0	-5.0	30.0
Benzene	Ave	0.4422	0.4153		9.39	10.0	-6.1	30.0
1,2-Dichloroethane	Ave	0.2082	0.2007		9.64	10.0	-3.6	30.0
n-Heptane	Ave	0.1608	0.1511		9.39	10.0	-6.0	30.0
n-Butanol	Ave	0.0621	0.0616		9.91	10.0	-0.9	30.0
Trichloroethene	Ave	0.3198	0.2981		9.32	10.0	-6.8	30.0
1,2-Dichloropropane	Ave	0.2024	0.1954		9.65	10.0	-3.4	30.0
Methyl methacrylate	Ave	0.1806	0.1869		10.3	10.0	3.5	30.0
1,4-Dioxane	Ave	0.0971	0.0946		9.75	10.0	-2.5	30.0
Dibromomethane	Ave	0.4563	0.4543		9.95	10.0	-0.4	30.0
Bromodichloromethane	Ave	0.5614	0.5512		9.82	10.0	-1.8	30.0
cis-1,3-Dichloropropene	Ave	0.3957	0.4004		10.1	10.0	1.2	30.0
methyl isobutyl ketone	Ave	0.3447	0.3167		9.19	10.0	-8.1	30.0
Toluene	Ave	0.4577	0.4628		10.1	10.0	1.1	30.0
n-Octane	Ave	0.3178	0.3170		9.97	10.0	-0.3	30.0
trans-1,3-Dichloropropene	Ave	0.4092	0.4210		10.3	10.0	2.9	30.0
1,1,2-Trichloroethane	Ave	0.2430	0.2466		10.1	10.0	1.4	30.0
Tetrachloroethene	Ave	0.6138	0.5878		9.57	10.0	-4.2	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.2925	0.2645		9.04	10.0	-9.6	30.0
Dibromochloromethane	Ave	0.6932	0.6887		9.93	10.0	-0.6	30.0
1,2-Dibromoethane	Ave	0.5394	0.5484		10.2	10.0	1.7	30.0
Chlorobenzene	Ave	0.7324	0.7259		9.91	10.0	-0.9	30.0
Ethylbenzene	Ave	0.9563	0.9594		10.0	10.0	0.3	30.0
n-Nonane	Ave	0.3205	0.3183		9.93	10.0	-0.7	30.0
m,p-Xylene	Ave	0.4175	0.4144		19.8	20.0	-0.8	30.0
Xylene, o-	Ave	0.4393	0.4362		9.93	10.0	-0.7	30.0
Styrene	Ave	0.6156	0.6317		10.3	10.0	2.6	30.0
Bromoform	Ave	0.8018	0.8161		10.2	10.0	1.8	30.0
Cumene	Ave	1.164	1.138		9.77	10.0	-2.3	30.0
1,1,2,2-Tetrachloroethane	Ave	0.6024	0.6122		10.2	10.0	1.6	30.0
n-Propylbenzene	Ave	1.295	1.271		9.81	10.0	-1.9	30.0
1,2,3-Trichloropropane	Ave	0.4209	0.4117		9.78	10.0	-2.2	30.0
n-Decane	Ave	0.3644	0.3681		10.1	10.0	1.0	30.0
4-Ethyltoluene	Ave	1.074	1.096		10.2	10.0	2.1	30.0
2-Chlorotoluene	Ave	0.8462	0.8329		9.84	10.0	-1.6	30.0
1,3,5-Trimethylbenzene	Ave	0.9518	0.9600		10.1	10.0	0.9	30.0
Alpha Methyl Styrene	Ave	0.5397	0.5470		10.1	10.0	1.3	30.0
tert-Butylbenzene	Ave	0.9527	0.9562		10.0	10.0	0.4	30.0
1,2,4-Trimethylbenzene	Ave	0.9355	0.9091		9.72	10.0	-2.8	30.0
sec-Butylbenzene	Ave	1.336	1.325		9.91	10.0	-0.9	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-23084-1

SDG No.:

Lab Sample ID: ICV 200-74492/13 Calibration Date: 07/03/2014 01:24

Instrument ID: CHG.i Calib Start Date: 07/02/2014 16:53

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 07/02/2014 22:50

Lab File ID: 8394_013.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Isopropyltoluene	Ave	1.195	1.204		10.1	10.0	0.7	30.0
1,3-Dichlorobenzene	Ave	0.8407	0.8232		9.79	10.0	-2.1	30.0
1,4-Dichlorobenzene	Ave	0.8855	0.8930		10.1	10.0	0.8	30.0
Benzyl chloride	Ave	0.7833	0.7213		9.21	10.0	-7.9	30.0
n-Butylbenzene	Ave	0.9443	0.9436		9.99	10.0	-0.0	30.0
n-Undecane	Ave	0.3741	0.3781		10.1	10.0	1.1	30.0
1,2-Dichlorobenzene	Ave	0.8269	0.8277		10.0	10.0	0.1	30.0
n-Dodecane	Ave	0.2663	0.3125		11.7	10.0	17.3	30.0
1,2,4-Trichlorobenzene	Ave	0.7277	0.7837		10.8	10.0	7.7	30.0
Hexachlorobutadiene	Ave	0.6489	0.7157		11.0	10.0	10.3	30.0
Naphthalene	Ave	1.232	1.284		10.4	10.0	4.3	30.0
1,2,3-Trichlorobenzene	Ave	0.5166	0.6571		12.7	10.0	27.2	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-23084-1

SDG No.:

Lab Sample ID: CCVIS 200-74747/2 Calibration Date: 07/10/2014 11:47

Instrument ID: CHG.i Calib Start Date: 07/02/2014 16:53

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 07/02/2014 22:50

Lab File ID: 8501_002.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.2338	0.2321		9.93	10.0	-0.7	30.0
Dichlorodifluoromethane	Ave	1.871	2.144		11.5	10.0	14.6	30.0
Freon 22	Ave	0.7199	0.7910		11.0	10.0	9.9	30.0
1,2-Dichlorotetrafluoroethane	Ave	1.634	1.753		10.7	10.0	7.3	30.0
Chloromethane	Ave	0.3592	0.3662		10.2	10.0	2.0	30.0
n-Butane	Ave	0.4505	0.4478		9.94	10.0	-0.6	30.0
Vinyl chloride	Ave	0.5088	0.5040		9.90	10.0	-0.9	30.0
1,3-Butadiene	Ave	0.2983	0.2945		9.87	10.0	-1.3	30.0
Bromomethane	Ave	0.7000	0.7407		10.6	10.0	5.8	30.0
Chloroethane	Ave	0.1763	0.1815		10.3	10.0	2.9	30.0
Isopentane	Ave	0.2766	0.2689		9.72	10.0	-2.8	30.0
Bromoethene(Vinyl Bromide)	Ave	0.8183	0.8482		10.4	10.0	3.7	30.0
Trichlorofluoromethane	Ave	2.091	2.261		10.8	10.0	8.1	30.0
n-Pentane	Ave	0.4626	0.4417		9.55	10.0	-4.5	30.0
Ethanol	Ave	0.1110	0.1058		14.3	15.0	-4.7	30.0
Ethyl ether	Ave	0.2427	0.2392		9.85	10.0	-1.5	30.0
Acrolein	Ave	0.1036	0.0949		9.15	10.0	-8.4	30.0
Freon TF	Ave	1.371	1.433		10.4	10.0	4.5	30.0
1,1-Dichloroethene	Ave	0.5986	0.6097		10.2	10.0	1.9	30.0
Acetone	Ave	0.4904	0.5858		11.9	10.0	19.5	30.0
Carbon disulfide	Ave	1.558	1.538		9.87	10.0	-1.3	30.0
Isopropyl alcohol	Ave	0.4088	0.4330		10.6	10.0	5.9	30.0
3-Chloropropene	Ave	0.3821	0.3528		9.23	10.0	-7.7	30.0
Acetonitrile	Ave	0.1943	0.2025		10.4	10.0	4.3	30.0
Methylene Chloride	Ave	0.4358	0.4395		10.1	10.0	0.8	30.0
tert-Butyl alcohol	Ave	0.7572	0.8292		10.9	10.0	9.5	30.0
Methyl tert-butyl ether	Ave	1.368	1.419		10.4	10.0	3.7	30.0
trans-1,2-Dichloroethene	Ave	0.6489	0.6758		10.4	10.0	4.1	30.0
Acrylonitrile	Ave	0.2379	0.2323		9.76	10.0	-2.4	30.0
n-Hexane	Ave	0.5029	0.4820		9.58	10.0	-4.1	30.0
1,1-Dichloroethane	Ave	0.9557	0.9264		9.69	10.0	-3.1	30.0
Vinyl acetate	Ave	0.8690	0.8096		9.31	10.0	-6.8	30.0
cis-1,2-Dichloroethene	Ave	0.8737	0.8590		9.83	10.0	-1.7	30.0
Methyl Ethyl Ketone	Ave	0.2683	0.2703		10.1	10.0	0.7	30.0
Ethyl acetate	Ave	0.0399	0.0397		9.94	10.0	-0.6	30.0
Tetrahydrofuran	Ave	0.0677	0.0636		9.39	10.0	-6.1	30.0
Chloroform	Ave	1.804	1.862		10.3	10.0	3.2	30.0
Cyclohexane	Ave	0.1594	0.1496		9.38	10.0	-6.2	30.0
1,1,1-Trichloroethane	Ave	0.3670	0.3713		10.1	10.0	1.2	30.0
Carbon tetrachloride	Ave	0.4945	0.4689		9.48	10.0	-5.2	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-23084-1

SDG No.:

Lab Sample ID: CCVIS 200-74747/2 Calibration Date: 07/10/2014 11:47

Instrument ID: CHG.i Calib Start Date: 07/02/2014 16:53

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 07/02/2014 22:50

Lab File ID: 8501_002.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,2,4-Trimethylpentane	Ave	0.4864	0.4489		9.23	10.0	-7.7	30.0
Benzene	Ave	0.4422	0.4099		9.27	10.0	-7.3	30.0
1,2-Dichloroethane	Ave	0.2082	0.2121		10.2	10.0	1.9	30.0
n-Heptane	Ave	0.1608	0.1466		9.12	10.0	-8.8	30.0
n-Butanol	Ave	0.0621	0.0628		10.1	10.0	1.0	30.0
Trichloroethene	Ave	0.3198	0.3063		9.58	10.0	-4.2	30.0
1,2-Dichloropropane	Ave	0.2024	0.1992		9.84	10.0	-1.6	30.0
Methyl methacrylate	Ave	0.1806	0.1806		10.0	10.0	-0.0	30.0
1,4-Dioxane	Ave	0.0971	0.1109		11.4	10.0	14.2	30.0
Dibromomethane	Ave	0.4563	0.4489		9.84	10.0	-1.6	30.0
Bromodichloromethane	Ave	0.5614	0.6075		10.8	10.0	8.2	30.0
cis-1,3-Dichloropropene	Ave	0.3957	0.4068		10.3	10.0	2.8	30.0
methyl isobutyl ketone	Ave	0.3447	0.3261		9.46	10.0	-5.4	30.0
Toluene	Ave	0.4577	0.4441		9.70	10.0	-3.0	30.0
n-Octane	Ave	0.3178	0.3194		10.0	10.0	0.5	30.0
trans-1,3-Dichloropropene	Ave	0.4092	0.4362		10.7	10.0	6.6	30.0
1,1,2-Trichloroethane	Ave	0.2430	0.2423		9.97	10.0	-0.3	30.0
Tetrachloroethene	Ave	0.6138	0.5335		8.69	10.0	-13.1	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.2925	0.2549		8.71	10.0	-12.9	30.0
Dibromochloromethane	Ave	0.6932	0.6830		9.85	10.0	-1.5	30.0
1,2-Dibromoethane	Ave	0.5394	0.5484		10.2	10.0	1.7	30.0
Chlorobenzene	Ave	0.7324	0.7028		9.59	10.0	-4.0	30.0
Ethylbenzene	Ave	0.9563	0.9565		10.0	10.0	0.0	30.0
n-Nonane	Ave	0.3205	0.3073		9.58	10.0	-4.1	30.0
m,p-Xylene	Ave	0.4175	0.4117		19.7	20.0	-1.4	30.0
Xylene, o-	Ave	0.4393	0.4313		9.81	10.0	-1.8	30.0
Styrene	Ave	0.6156	0.6366		10.3	10.0	3.4	30.0
Bromoform	Ave	0.8018	0.7648		9.54	10.0	-4.6	30.0
Cumene	Ave	1.164	1.160		9.96	10.0	-0.4	30.0
1,1,2,2-Tetrachloroethane	Ave	0.6024	0.6410		10.6	10.0	6.4	30.0
n-Propylbenzene	Ave	1.295	1.343		10.4	10.0	3.7	30.0
1,2,3-Trichloropropane	Ave	0.4209	0.4350		10.3	10.0	3.4	30.0
n-Decane	Ave	0.3644	0.3556		9.75	10.0	-2.4	30.0
4-Ethyltoluene	Ave	1.074	1.080		10.1	10.0	0.6	30.0
2-Chlorotoluene	Ave	0.8462	0.8603		10.2	10.0	1.7	30.0
1,3,5-Trimethylbenzene	Ave	0.9518	0.9806		10.3	10.0	3.0	30.0
Alpha Methyl Styrene	Ave	0.5397	0.5598		10.4	10.0	3.7	30.0
tert-Butylbenzene	Ave	0.9527	0.9691		10.2	10.0	1.7	30.0
1,2,4-Trimethylbenzene	Ave	0.9355	0.9884		10.6	10.0	5.7	30.0
sec-Butylbenzene	Ave	1.336	1.430		10.7	10.0	7.0	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-23084-1

SDG No.:

Lab Sample ID: CCVIS 200-74747/2 Calibration Date: 07/10/2014 11:47

Instrument ID: CHG.i Calib Start Date: 07/02/2014 16:53

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 07/02/2014 22:50

Lab File ID: 8501_002.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Isopropyltoluene	Ave	1.195	1.236		10.3	10.0	3.4	30.0
1,3-Dichlorobenzene	Ave	0.8407	0.8494		10.1	10.0	1.0	30.0
1,4-Dichlorobenzene	Ave	0.8855	0.8884		10.0	10.0	0.3	30.0
Benzyl chloride	Ave	0.7833	0.8021		10.2	10.0	2.4	30.0
n-Butylbenzene	Ave	0.9443	1.053		11.2	10.0	11.5	30.0
n-Undecane	Ave	0.3741	0.3999		10.7	10.0	6.9	30.0
1,2-Dichlorobenzene	Ave	0.8269	0.8505		10.3	10.0	2.9	30.0
n-Dodecane	Ave	0.2663	0.2952		11.1	10.0	10.8	30.0
1,2,4-Trichlorobenzene	Ave	0.7277	0.7351		10.1	10.0	1.0	30.0
Hexachlorobutadiene	Ave	0.6489	0.5977		9.21	10.0	-7.9	30.0
Naphthalene	Ave	1.232	1.464		11.9	10.0	18.9	30.0
1,2,3-Trichlorobenzene	Ave	0.5166	0.6397		12.4	10.0	23.8	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-23111-1

SDG No.:

Lab Sample ID: ICV 200-73568/19 Calibration Date: 06/15/2014 02:11

Instrument ID: CHW.i Calib Start Date: 06/14/2014 09:46

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 06/15/2014 00:33

Lab File ID: 8058_019.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.7346	0.7034		9.57	10.0	-4.2	30.0
Dichlorodifluoromethane	Ave	2.924	3.023		10.3	10.0	3.4	30.0
Freon 22	Ave	1.462	1.498		10.2	10.0	2.5	30.0
1,2-Dichlorotetrafluoroethane	Ave	2.926	3.348		11.4	10.0	14.4	30.0
Chloromethane	Ave	0.8652	0.8644		9.99	10.0	-0.0	30.0
n-Butane	Ave	1.434	1.464		10.2	10.0	2.1	30.0
Vinyl chloride	Ave	1.075	1.089		10.1	10.0	1.3	30.0
1,3-Butadiene	Ave	0.7639	0.7823		10.2	10.0	2.4	30.0
Bromomethane	Ave	1.080	1.107		10.3	10.0	2.5	30.0
Chloroethane	Ave	0.6068	0.6103		10.1	10.0	0.6	30.0
Isopentane	Ave	1.136	1.188		10.5	10.0	4.5	30.0
Bromoethene(Vinyl Bromide)	Ave	1.323	1.348		10.2	10.0	1.9	30.0
Trichlorofluoromethane	Ave	3.226	3.282		10.2	10.0	1.7	30.0
n-Pentane	Ave	1.633	1.862		11.4	10.0	14.0	30.0
Ethanol	Ave	0.4158	0.4073		14.7	15.0	-2.0	30.0
Ethyl ether	Ave	0.7309	0.8331		11.4	10.0	14.0	30.0
Acrolein	Ave	0.3109	0.3913		12.6	10.0	25.8	30.0
Freon TF	Ave	2.473	2.567		10.4	10.0	3.8	30.0
1,1-Dichloroethene	Ave	1.213	1.247		10.3	10.0	2.8	30.0
Acetone	Ave	1.526	1.745		11.4	10.0	14.3	30.0
Carbon disulfide	Ave	3.022	3.463		11.5	10.0	14.6	30.0
Isopropyl alcohol	Ave	1.287	1.223		9.50	10.0	-5.0	30.0
3-Chloropropene	Ave	1.164	1.159		9.95	10.0	-0.4	30.0
Acetonitrile	Ave	0.6509	0.6968		10.7	10.0	7.1	30.0
Methylene Chloride	Ave	1.047	1.064		10.2	10.0	1.6	30.0
tert-Butyl alcohol	Ave	1.859	1.866		10.0	10.0	0.4	30.0
Methyl tert-butyl ether	Ave	3.241	3.401		10.5	10.0	4.9	30.0
trans-1,2-Dichloroethene	Ave	1.455	1.607		11.0	10.0	10.4	30.0
Acrylonitrile	Ave	0.7082	0.7738		10.9	10.0	9.3	30.0
n-Hexane	Ave	1.763	1.822		10.3	10.0	3.3	30.0
1,1-Dichloroethane	Ave	1.924	2.033		10.6	10.0	5.7	30.0
Vinyl acetate	Ave	2.357	2.402		10.2	10.0	1.9	30.0
cis-1,2-Dichloroethene	Ave	1.363	1.398		10.3	10.0	2.6	30.0
Methyl Ethyl Ketone	Ave	0.6442	0.6493		10.1	10.0	0.8	30.0
Ethyl acetate	Ave	0.1082	0.1250		11.5	10.0	15.4	30.0
Tetrahydrofuran	Ave	0.2121	0.2299		10.8	10.0	8.4	30.0
Chloroform	Ave	2.381	2.495		10.5	10.0	4.8	30.0
Cyclohexane	Ave	0.3707	0.3922		10.6	10.0	5.8	30.0
1,1,1-Trichloroethane	Ave	0.5284	0.5583		10.6	10.0	5.7	30.0
Carbon tetrachloride	Ave	0.5791	0.6220		10.7	10.0	7.4	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-23111-1

SDG No.:

Lab Sample ID: ICV 200-73568/19 Calibration Date: 06/15/2014 02:11

Instrument ID: CHW.i Calib Start Date: 06/14/2014 09:46

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 06/15/2014 00:33

Lab File ID: 8058_019.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,2,4-Trimethylpentane	Ave	1.110	1.162		10.5	10.0	4.7	30.0
Benzene	Ave	0.7846	0.8178		10.4	10.0	4.2	30.0
1,2-Dichloroethane	Ave	0.2897	0.3020		10.4	10.0	4.3	30.0
n-Heptane	Ave	0.4010	0.3860		9.63	10.0	-3.7	30.0
n-Butanol	Ave	0.1256	0.1263		10.0	10.0	0.5	30.0
Trichloroethene	Ave	0.3675	0.3796		10.3	10.0	3.3	30.0
1,2-Dichloropropane	Ave	0.2693	0.2786		10.3	10.0	3.5	30.0
Methyl methacrylate	Ave	0.2655	0.2897		10.9	10.0	9.1	30.0
1,4-Dioxane	Ave	0.1355	0.1362		10.1	10.0	0.6	30.0
Dibromomethane	Ave	0.4358	0.4557		10.5	10.0	4.6	30.0
Bromodichloromethane	Ave	0.5232	0.5583		10.7	10.0	6.7	30.0
cis-1,3-Dichloropropene	Ave	0.4034	0.4421		11.0	10.0	9.6	30.0
methyl isobutyl ketone	Ave	0.4611	0.4884		10.6	10.0	5.9	30.0
n-Octane	Ave	0.5158	0.5182		10.0	10.0	0.5	30.0
Toluene	Ave	0.7106	0.7024		9.88	10.0	-1.2	30.0
trans-1,3-Dichloropropene	Ave	0.4011	0.4413		11.0	10.0	10.0	30.0
1,1,2-Trichloroethane	Ave	0.3064	0.3240		10.6	10.0	5.7	30.0
Tetrachloroethene	Ave	0.7360	0.7747		10.5	10.0	5.3	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.4820	0.5076		10.5	10.0	5.3	30.0
Dibromochloromethane	Ave	0.7067	0.7593		10.7	10.0	7.4	30.0
1,2-Dibromoethane	Ave	0.5988	0.6410		10.7	10.0	7.1	30.0
Chlorobenzene	Ave	0.9822	1.032		10.5	10.0	5.1	30.0
Ethylbenzene	Ave	1.413	1.495		10.6	10.0	5.8	30.0
n-Nonane	Ave	0.6008	0.6151		10.2	10.0	2.4	30.0
m,p-Xylene	Ave	0.6039	0.6528		21.6	20.0	8.1	30.0
Xylene, o-	Ave	0.6168	0.6484		10.5	10.0	5.1	30.0
Styrene	Ave	0.8948	0.9678		10.8	10.0	8.2	30.0
Bromoform	Ave	0.7586	0.8602		11.3	10.0	13.4	30.0
Cumene	Ave	1.685	1.805		10.7	10.0	7.1	30.0
1,1,2,2-Tetrachloroethane	Ave	0.7754	0.8554		11.0	10.0	10.3	30.0
n-Propylbenzene	Ave	1.881	2.041		10.8	10.0	8.5	30.0
1,2,3-Trichloropropane	Ave	0.5980	0.6422		10.7	10.0	7.4	30.0
n-Decane	Ave	0.7332	0.8118		11.1	10.0	10.7	30.0
4-Ethyltoluene	Ave	1.677	1.874		11.2	10.0	11.8	30.0
2-Chlorotoluene	Ave	1.371	1.468		10.7	10.0	7.1	30.0
1,3,5-Trimethylbenzene	Ave	1.432	1.557		10.9	10.0	8.7	30.0
Alpha Methyl Styrene	Ave	0.7245	0.7078		9.77	10.0	-2.3	30.0
tert-Butylbenzene	Ave	1.474	1.594		10.8	10.0	8.2	30.0
1,2,4-Trimethylbenzene	Ave	1.440	1.570		10.9	10.0	9.0	30.0
sec-Butylbenzene	Ave	2.055	2.241		10.9	10.0	9.1	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-23111-1

SDG No.:

Lab Sample ID: ICV 200-73568/19 Calibration Date: 06/15/2014 02:11

Instrument ID: CHW.i Calib Start Date: 06/14/2014 09:46

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 06/15/2014 00:33

Lab File ID: 8058_019.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Isopropyltoluene	Ave	1.825	2.025		11.1	10.0	11.0	30.0
1,3-Dichlorobenzene	Ave	1.115	1.250		11.2	10.0	12.1	30.0
1,4-Dichlorobenzene	Ave	1.090	1.228		11.3	10.0	12.7	30.0
Benzyl chloride	Ave	0.9111	1.082		11.9	10.0	18.8	30.0
n-Undecane	Ave	0.7476	0.8986		12.0	10.0	20.2	30.0
n-Butylbenzene	Ave	1.471	1.639		11.1	10.0	11.5	30.0
1,2-Dichlorobenzene	Ave	1.088	1.198		11.0	10.0	10.2	30.0
n-Dodecane	Ave	0.6729	0.8562		12.7	10.0	27.2	30.0
1,2,4-Trichlorobenzene	Ave	0.8812	0.9950		11.3	10.0	12.9	30.0
Hexachlorobutadiene	Ave	0.9202	1.042		11.3	10.0	13.2	30.0
Naphthalene	Ave	1.693	1.723		10.2	10.0	1.7	30.0
1,2,3-Trichlorobenzene	Ave	0.8037	0.9059		11.3	10.0	12.7	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-23111-1

SDG No.:

Lab Sample ID: CCVIS 200-74743/2 Calibration Date: 07/10/2014 11:48

Instrument ID: CHW.i Calib Start Date: 06/14/2014 09:46

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 06/15/2014 00:33

Lab File ID: 8499_002.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.7346	0.7607		10.4	10.0	3.5	30.0
Dichlorodifluoromethane	Ave	2.924	3.215		11.0	10.0	9.9	30.0
Freon 22	Ave	1.462	1.568		10.7	10.0	7.2	30.0
1,2-Dichlorotetrafluoroethane	Ave	2.926	3.152		10.8	10.0	7.7	30.0
Chloromethane	Ave	0.8652	0.8963		10.4	10.0	3.6	30.0
n-Butane	Ave	1.434	1.359		9.47	10.0	-5.2	30.0
Vinyl chloride	Ave	1.075	1.051		9.78	10.0	-2.2	30.0
1,3-Butadiene	Ave	0.7639	0.7327		9.59	10.0	-4.1	30.0
Bromomethane	Ave	1.080	1.075		9.96	10.0	-0.4	30.0
Chloroethane	Ave	0.6068	0.6278		10.3	10.0	3.4	30.0
Isopentane	Ave	1.136	1.097		9.65	10.0	-3.5	30.0
Bromoethene(Vinyl Bromide)	Ave	1.323	1.344		10.2	10.0	1.6	30.0
Trichlorofluoromethane	Ave	3.226	3.317		10.3	10.0	2.8	30.0
n-Pentane	Ave	1.633	1.647		10.1	10.0	0.9	30.0
Ethanol	Ave	0.4158	0.3242		11.7	15.0	-22.0	30.0
Ethyl ether	Ave	0.7309	0.7270		9.95	10.0	-0.5	30.0
Acrolein	Ave	0.3109	0.2979		9.58	10.0	-4.2	30.0
Freon TF	Ave	2.473	2.550		10.3	10.0	3.1	30.0
1,1-Dichloroethene	Ave	1.213	1.241		10.2	10.0	2.3	30.0
Acetone	Ave	1.526	1.574		10.3	10.0	3.1	30.0
Carbon disulfide	Ave	3.022	3.032		10.0	10.0	0.3	30.0
Isopropyl alcohol	Ave	1.287	1.355		10.5	10.0	5.2	30.0
3-Chloropropene	Ave	1.164	1.140		9.79	10.0	-2.0	30.0
Acetonitrile	Ave	0.6509	0.6834		10.5	10.0	5.0	30.0
Methylene Chloride	Ave	1.047	1.047		10.0	10.0	-0.0	30.0
tert-Butyl alcohol	Ave	1.859	2.026		10.9	10.0	9.0	30.0
Methyl tert-butyl ether	Ave	3.241	3.293		10.2	10.0	1.6	30.0
trans-1,2-Dichloroethene	Ave	1.455	1.484		10.2	10.0	2.0	30.0
Acrylonitrile	Ave	0.7082	0.7138		10.1	10.0	0.8	30.0
n-Hexane	Ave	1.763	1.615		9.16	10.0	-8.4	30.0
1,1-Dichloroethane	Ave	1.924	1.961		10.2	10.0	1.9	30.0
Vinyl acetate	Ave	2.357	2.417		10.3	10.0	2.5	30.0
cis-1,2-Dichloroethene	Ave	1.363	1.383		10.1	10.0	1.4	30.0
Methyl Ethyl Ketone	Ave	0.6442	0.6263		9.72	10.0	-2.8	30.0
Ethyl acetate	Ave	0.1082	0.1118		10.3	10.0	3.2	30.0
Tetrahydrofuran	Ave	0.2121	0.2210		10.4	10.0	4.2	30.0
Chloroform	Ave	2.381	2.452		10.3	10.0	3.0	30.0
Cyclohexane	Ave	0.3707	0.3710		10.0	10.0	0.0	30.0
1,1,1-Trichloroethane	Ave	0.5284	0.5448		10.3	10.0	3.1	30.0
Carbon tetrachloride	Ave	0.5791	0.6062		10.5	10.0	4.7	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-23111-1

SDG No.:

Lab Sample ID: CCVIS 200-74743/2 Calibration Date: 07/10/2014 11:48

Instrument ID: CHW.i Calib Start Date: 06/14/2014 09:46

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 06/15/2014 00:33

Lab File ID: 8499_002.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,2,4-Trimethylpentane	Ave	1.110	1.121		10.1	10.0	1.0	30.0
Benzene	Ave	0.7846	0.7991		10.2	10.0	1.8	30.0
1,2-Dichloroethane	Ave	0.2897	0.2935		10.1	10.0	1.3	30.0
n-Heptane	Ave	0.4010	0.3733		9.31	10.0	-6.9	30.0
n-Butanol	Ave	0.1256	0.1241		9.88	10.0	-1.2	30.0
Trichloroethene	Ave	0.3675	0.3690		10.0	10.0	0.4	30.0
1,2-Dichloropropane	Ave	0.2693	0.2755		10.2	10.0	2.3	30.0
Methyl methacrylate	Ave	0.2655	0.2758		10.4	10.0	3.9	30.0
1,4-Dioxane	Ave	0.1355	0.1449		10.7	10.0	6.9	30.0
Dibromomethane	Ave	0.4358	0.4259		9.77	10.0	-2.3	30.0
Bromodichloromethane	Ave	0.5232	0.5658		10.8	10.0	8.1	30.0
cis-1,3-Dichloropropene	Ave	0.4034	0.4267		10.6	10.0	5.8	30.0
methyl isobutyl ketone	Ave	0.4611	0.4836		10.5	10.0	4.9	30.0
n-Octane	Ave	0.5158	0.5108		9.90	10.0	-1.0	30.0
Toluene	Ave	0.7106	0.6899		9.71	10.0	-2.9	30.0
trans-1,3-Dichloropropene	Ave	0.4011	0.4391		10.9	10.0	9.5	30.0
1,1,2-Trichloroethane	Ave	0.3064	0.3203		10.5	10.0	4.5	30.0
Tetrachloroethene	Ave	0.7360	0.7126		9.68	10.0	-3.2	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.4820	0.4955		10.3	10.0	2.8	30.0
Dibromochloromethane	Ave	0.7067	0.7717		10.9	10.0	9.2	30.0
1,2-Dibromoethane	Ave	0.5988	0.6374		10.6	10.0	6.4	30.0
Chlorobenzene	Ave	0.9822	1.012		10.3	10.0	3.0	30.0
Ethylbenzene	Ave	1.413	1.495		10.6	10.0	5.8	30.0
n-Nonane	Ave	0.6008	0.6005		9.99	10.0	-0.0	30.0
m,p-Xylene	Ave	0.6039	0.6503		21.5	20.0	7.7	30.0
Xylene, o-	Ave	0.6168	0.6481		10.5	10.0	5.1	30.0
Styrene	Ave	0.8948	0.9869		11.0	10.0	10.3	30.0
Bromoform	Ave	0.7586	0.8732		11.5	10.0	15.1	30.0
Cumene	Ave	1.685	1.836		10.9	10.0	9.0	30.0
1,1,2,2-Tetrachloroethane	Ave	0.7754	0.8613		11.1	10.0	11.1	30.0
n-Propylbenzene	Ave	1.881	2.124		11.3	10.0	12.9	30.0
1,2,3-Trichloropropane	Ave	0.5980	0.6610		11.1	10.0	10.5	30.0
n-Decane	Ave	0.7332	0.8068		11.0	10.0	10.0	30.0
4-Ethyltoluene	Ave	1.677	1.894		11.3	10.0	12.9	30.0
2-Chlorotoluene	Ave	1.371	1.515		11.0	10.0	10.5	30.0
1,3,5-Trimethylbenzene	Ave	1.432	1.589		11.1	10.0	11.0	30.0
Alpha Methyl Styrene	Ave	0.7245	0.8612		11.9	10.0	18.9	30.0
tert-Butylbenzene	Ave	1.474	1.628		11.0	10.0	10.5	30.0
1,2,4-Trimethylbenzene	Ave	1.440	1.611		11.2	10.0	11.9	30.0
sec-Butylbenzene	Ave	2.055	2.340		11.4	10.0	13.9	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-23111-1

SDG No.:

Lab Sample ID: CCVIS 200-74743/2 Calibration Date: 07/10/2014 11:48

Instrument ID: CHW.i Calib Start Date: 06/14/2014 09:46

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 06/15/2014 00:33

Lab File ID: 8499_002.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Isopropyltoluene	Ave	1.825	2.087		11.4	10.0	14.4	30.0
1,3-Dichlorobenzene	Ave	1.115	1.241		11.1	10.0	11.3	30.0
1,4-Dichlorobenzene	Ave	1.090	1.221		11.2	10.0	12.0	30.0
Benzyl chloride	Ave	0.9111	1.093		12.0	10.0	19.9	30.0
n-Undecane	Ave	0.7476	0.8803		11.8	10.0	17.7	30.0
n-Butylbenzene	Ave	1.471	1.726		11.7	10.0	17.4	30.0
1,2-Dichlorobenzene	Ave	1.088	1.195		11.0	10.0	9.9	30.0
n-Dodecane	Ave	0.6729	0.8064		12.0	10.0	19.8	30.0
1,2,4-Trichlorobenzene	Ave	0.8812	0.8876		10.1	10.0	0.7	30.0
Hexachlorobutadiene	Ave	0.9202	0.9018		9.80	10.0	-2.0	30.0
Naphthalene	Ave	1.693	1.658		9.79	10.0	-2.1	30.0
1,2,3-Trichlorobenzene	Ave	0.8037	0.8337		10.4	10.0	3.7	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-23144-1

SDG No.:

Lab Sample ID: ICV 200-74492/13 Calibration Date: 07/03/2014 01:24

Instrument ID: CHG.i Calib Start Date: 07/02/2014 16:53

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 07/02/2014 22:50

Lab File ID: 8394_013.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.2338	0.2141		9.16	10.0	-8.4	30.0
Dichlorodifluoromethane	Ave	1.871	1.815		9.70	10.0	-3.0	30.0
Freon 22	Ave	0.7199	0.7010		9.74	10.0	-2.6	30.0
1,2-Dichlorotetrafluoroethane	Ave	1.634	1.736		10.6	10.0	6.3	30.0
Chloromethane	Ave	0.3592	0.3410		9.49	10.0	-5.1	30.0
n-Butane	Ave	0.4505	0.4377		9.71	10.0	-2.8	30.0
Vinyl chloride	Ave	0.5088	0.4599		9.04	10.0	-9.6	30.0
1,3-Butadiene	Ave	0.2983	0.2720		9.12	10.0	-8.8	30.0
Bromomethane	Ave	0.7000	0.6762		9.66	10.0	-3.4	30.0
Chloroethane	Ave	0.1763	0.1670		9.47	10.0	-5.3	30.0
Isopentane	Ave	0.2766	0.2840		10.3	10.0	2.7	30.0
Bromoethene(Vinyl Bromide)	Ave	0.8183	0.8003		9.78	10.0	-2.2	30.0
Trichlorofluoromethane	Ave	2.091	2.003		9.58	10.0	-4.2	30.0
n-Pentane	Ave	0.4626	0.4918		10.6	10.0	6.3	30.0
Ethanol	Ave	0.1110	0.1309		17.7	15.0	17.9	30.0
Ethyl ether	Ave	0.2427	0.2588		10.7	10.0	6.6	30.0
Acrolein	Ave	0.1036	0.1091		10.5	10.0	5.3	30.0
Freon TF	Ave	1.371	1.353		9.86	10.0	-1.4	30.0
1,1-Dichloroethene	Ave	0.5986	0.5753		9.61	10.0	-3.9	30.0
Acetone	Ave	0.4904	0.5234		10.7	10.0	6.7	30.0
Carbon disulfide	Ave	1.558	1.906		12.2	10.0	22.4	30.0
Isopropyl alcohol	Ave	0.4088	0.3535		8.64	10.0	-13.5	30.0
3-Chloropropene	Ave	0.3821	0.3418		8.94	10.0	-10.5	30.0
Acetonitrile	Ave	0.1943	0.2046		10.5	10.0	5.3	30.0
Methylene Chloride	Ave	0.4358	0.4358		10.0	10.0	0.0	30.0
tert-Butyl alcohol	Ave	0.7572	0.6822		9.01	10.0	-9.9	30.0
Methyl tert-butyl ether	Ave	1.368	1.341		9.80	10.0	-2.0	30.0
trans-1,2-Dichloroethene	Ave	0.6489	0.6686		10.3	10.0	3.0	30.0
Acrylonitrile	Ave	0.2379	0.2476		10.4	10.0	4.1	30.0
n-Hexane	Ave	0.5029	0.5157		10.3	10.0	2.5	30.0
1,1-Dichloroethane	Ave	0.9557	0.8985		9.40	10.0	-6.0	30.0
Vinyl acetate	Ave	0.8690	0.8255		9.50	10.0	-5.0	30.0
cis-1,2-Dichloroethene	Ave	0.8737	0.8398		9.61	10.0	-3.9	30.0
Methyl Ethyl Ketone	Ave	0.2683	0.2606		9.71	10.0	-2.9	30.0
Ethyl acetate	Ave	0.0399	0.0431		10.8	10.0	8.1	30.0
Tetrahydrofuran	Ave	0.0677	0.0668		9.86	10.0	-1.4	30.0
Chloroform	Ave	1.804	1.781		9.87	10.0	-1.3	30.0
Cyclohexane	Ave	0.1594	0.1537		9.64	10.0	-3.6	30.0
1,1,1-Trichloroethane	Ave	0.3670	0.3563		9.71	10.0	-2.9	30.0
Carbon tetrachloride	Ave	0.4945	0.4639		9.38	10.0	-6.2	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-23144-1

SDG No.:

Lab Sample ID: ICV 200-74492/13 Calibration Date: 07/03/2014 01:24

Instrument ID: CHG.i Calib Start Date: 07/02/2014 16:53

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 07/02/2014 22:50

Lab File ID: 8394_013.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,2,4-Trimethylpentane	Ave	0.4864	0.4621		9.50	10.0	-5.0	30.0
Benzene	Ave	0.4422	0.4153		9.39	10.0	-6.1	30.0
1,2-Dichloroethane	Ave	0.2082	0.2007		9.64	10.0	-3.6	30.0
n-Heptane	Ave	0.1608	0.1511		9.39	10.0	-6.0	30.0
n-Butanol	Ave	0.0621	0.0616		9.91	10.0	-0.9	30.0
Trichloroethene	Ave	0.3198	0.2981		9.32	10.0	-6.8	30.0
1,2-Dichloropropane	Ave	0.2024	0.1954		9.65	10.0	-3.4	30.0
Methyl methacrylate	Ave	0.1806	0.1869		10.3	10.0	3.5	30.0
1,4-Dioxane	Ave	0.0971	0.0946		9.75	10.0	-2.5	30.0
Dibromomethane	Ave	0.4563	0.4543		9.95	10.0	-0.4	30.0
Bromodichloromethane	Ave	0.5614	0.5512		9.82	10.0	-1.8	30.0
cis-1,3-Dichloropropene	Ave	0.3957	0.4004		10.1	10.0	1.2	30.0
methyl isobutyl ketone	Ave	0.3447	0.3167		9.19	10.0	-8.1	30.0
Toluene	Ave	0.4577	0.4628		10.1	10.0	1.1	30.0
n-Octane	Ave	0.3178	0.3170		9.97	10.0	-0.3	30.0
trans-1,3-Dichloropropene	Ave	0.4092	0.4210		10.3	10.0	2.9	30.0
1,1,2-Trichloroethane	Ave	0.2430	0.2466		10.1	10.0	1.4	30.0
Tetrachloroethene	Ave	0.6138	0.5878		9.57	10.0	-4.2	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.2925	0.2645		9.04	10.0	-9.6	30.0
Dibromochloromethane	Ave	0.6932	0.6887		9.93	10.0	-0.6	30.0
1,2-Dibromoethane	Ave	0.5394	0.5484		10.2	10.0	1.7	30.0
Chlorobenzene	Ave	0.7324	0.7259		9.91	10.0	-0.9	30.0
Ethylbenzene	Ave	0.9563	0.9594		10.0	10.0	0.3	30.0
n-Nonane	Ave	0.3205	0.3183		9.93	10.0	-0.7	30.0
m,p-Xylene	Ave	0.4175	0.4144		19.8	20.0	-0.8	30.0
Xylene, o-	Ave	0.4393	0.4362		9.93	10.0	-0.7	30.0
Styrene	Ave	0.6156	0.6317		10.3	10.0	2.6	30.0
Bromoform	Ave	0.8018	0.8161		10.2	10.0	1.8	30.0
Cumene	Ave	1.164	1.138		9.77	10.0	-2.3	30.0
1,1,2,2-Tetrachloroethane	Ave	0.6024	0.6122		10.2	10.0	1.6	30.0
n-Propylbenzene	Ave	1.295	1.271		9.81	10.0	-1.9	30.0
1,2,3-Trichloropropane	Ave	0.4209	0.4117		9.78	10.0	-2.2	30.0
n-Decane	Ave	0.3644	0.3681		10.1	10.0	1.0	30.0
4-Ethyltoluene	Ave	1.074	1.096		10.2	10.0	2.1	30.0
2-Chlorotoluene	Ave	0.8462	0.8329		9.84	10.0	-1.6	30.0
1,3,5-Trimethylbenzene	Ave	0.9518	0.9600		10.1	10.0	0.9	30.0
Alpha Methyl Styrene	Ave	0.5397	0.5470		10.1	10.0	1.3	30.0
tert-Butylbenzene	Ave	0.9527	0.9562		10.0	10.0	0.4	30.0
1,2,4-Trimethylbenzene	Ave	0.9355	0.9091		9.72	10.0	-2.8	30.0
sec-Butylbenzene	Ave	1.336	1.325		9.91	10.0	-0.9	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-23144-1

SDG No.:

Lab Sample ID: ICV 200-74492/13 Calibration Date: 07/03/2014 01:24

Instrument ID: CHG.i Calib Start Date: 07/02/2014 16:53

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 07/02/2014 22:50

Lab File ID: 8394_013.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Isopropyltoluene	Ave	1.195	1.204		10.1	10.0	0.7	30.0
1,3-Dichlorobenzene	Ave	0.8407	0.8232		9.79	10.0	-2.1	30.0
1,4-Dichlorobenzene	Ave	0.8855	0.8930		10.1	10.0	0.8	30.0
Benzyl chloride	Ave	0.7833	0.7213		9.21	10.0	-7.9	30.0
n-Butylbenzene	Ave	0.9443	0.9436		9.99	10.0	-0.0	30.0
n-Undecane	Ave	0.3741	0.3781		10.1	10.0	1.1	30.0
1,2-Dichlorobenzene	Ave	0.8269	0.8277		10.0	10.0	0.1	30.0
n-Dodecane	Ave	0.2663	0.3125		11.7	10.0	17.3	30.0
1,2,4-Trichlorobenzene	Ave	0.7277	0.7837		10.8	10.0	7.7	30.0
Hexachlorobutadiene	Ave	0.6489	0.7157		11.0	10.0	10.3	30.0
Naphthalene	Ave	1.232	1.284		10.4	10.0	4.3	30.0
1,2,3-Trichlorobenzene	Ave	0.5166	0.6571		12.7	10.0	27.2	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-23144-1

SDG No.:

Lab Sample ID: CCVIS 200-74788/2 Calibration Date: 07/11/2014 10:42

Instrument ID: CHG.i Calib Start Date: 07/02/2014 16:53

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 07/02/2014 22:50

Lab File ID: 8512_002.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.2338	0.2334		9.98	10.0	-0.2	30.0
Dichlorodifluoromethane	Ave	1.871	2.120		11.3	10.0	13.3	30.0
Freon 22	Ave	0.7199	0.7938		11.0	10.0	10.3	30.0
1,2-Dichlorotetrafluoroethane	Ave	1.634	1.768		10.8	10.0	8.2	30.0
Chloromethane	Ave	0.3592	0.3641		10.1	10.0	1.4	30.0
n-Butane	Ave	0.4505	0.4553		10.1	10.0	1.1	30.0
Vinyl chloride	Ave	0.5088	0.5059		9.94	10.0	-0.6	30.0
1,3-Butadiene	Ave	0.2983	0.2994		10.0	10.0	0.4	30.0
Bromomethane	Ave	0.7000	0.7495		10.7	10.0	7.1	30.0
Chloroethane	Ave	0.1763	0.1862		10.6	10.0	5.6	30.0
Isopentane	Ave	0.2766	0.2792		10.1	10.0	0.9	30.0
Bromoethene(Vinyl Bromide)	Ave	0.8183	0.8600		10.5	10.0	5.1	30.0
Trichlorofluoromethane	Ave	2.091	2.296		11.0	10.0	9.8	30.0
n-Pentane	Ave	0.4626	0.4523		9.78	10.0	-2.2	30.0
Ethanol	Ave	0.1110	0.1017		13.7	15.0	-8.4	30.0
Ethyl ether	Ave	0.2427	0.2475		10.2	10.0	2.0	30.0
Acrolein	Ave	0.1036	0.0956		9.23	10.0	-7.7	30.0
Freon TF	Ave	1.371	1.473		10.7	10.0	7.4	30.0
1,1-Dichloroethene	Ave	0.5986	0.6270		10.5	10.0	4.7	30.0
Acetone	Ave	0.4904	0.6029		12.3	10.0	22.9	30.0
Carbon disulfide	Ave	1.558	1.562		10.0	10.0	0.2	30.0
Isopropyl alcohol	Ave	0.4088	0.4115		10.1	10.0	0.7	30.0
3-Chloropropene	Ave	0.3821	0.3517		9.20	10.0	-8.0	30.0
Acetonitrile	Ave	0.1943	0.1999		10.3	10.0	2.9	30.0
Methylene Chloride	Ave	0.4358	0.4430		10.2	10.0	1.7	30.0
tert-Butyl alcohol	Ave	0.7572	0.8007		10.6	10.0	5.7	30.0
Methyl tert-butyl ether	Ave	1.368	1.477		10.8	10.0	7.9	30.0
trans-1,2-Dichloroethene	Ave	0.6489	0.6867		10.6	10.0	5.8	30.0
Acrylonitrile	Ave	0.2379	0.2419		10.2	10.0	1.7	30.0
n-Hexane	Ave	0.5029	0.4915		9.77	10.0	-2.3	30.0
1,1-Dichloroethane	Ave	0.9557	0.9396		9.83	10.0	-1.7	30.0
Vinyl acetate	Ave	0.8690	0.8251		9.49	10.0	-5.1	30.0
cis-1,2-Dichloroethene	Ave	0.8737	0.8674		9.93	10.0	-0.7	30.0
Methyl Ethyl Ketone	Ave	0.2683	0.2713		10.1	10.0	1.1	30.0
Ethyl acetate	Ave	0.0399	0.0411		10.3	10.0	3.1	30.0
Tetrahydrofuran	Ave	0.0677	0.0632		9.33	10.0	-6.7	30.0
Chloroform	Ave	1.804	1.875		10.4	10.0	4.0	30.0
Cyclohexane	Ave	0.1594	0.1498		9.39	10.0	-6.1	30.0
1,1,1-Trichloroethane	Ave	0.3670	0.3700		10.1	10.0	0.8	30.0
Carbon tetrachloride	Ave	0.4945	0.4662		9.43	10.0	-5.7	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-23144-1

SDG No.:

Lab Sample ID: CCVIS 200-74788/2 Calibration Date: 07/11/2014 10:42

Instrument ID: CHG.i Calib Start Date: 07/02/2014 16:53

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 07/02/2014 22:50

Lab File ID: 8512_002.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,2,4-Trimethylpentane	Ave	0.4864	0.4471		9.19	10.0	-8.1	30.0
Benzene	Ave	0.4422	0.4117		9.31	10.0	-6.9	30.0
1,2-Dichloroethane	Ave	0.2082	0.2130		10.2	10.0	2.3	30.0
n-Heptane	Ave	0.1608	0.1460		9.08	10.0	-9.2	30.0
n-Butanol	Ave	0.0621	0.0576		9.27	10.0	-7.2	30.0
Trichloroethene	Ave	0.3198	0.3044		9.52	10.0	-4.8	30.0
1,2-Dichloropropane	Ave	0.2024	0.1985		9.80	10.0	-1.9	30.0
Methyl methacrylate	Ave	0.1806	0.1817		10.1	10.0	0.6	30.0
1,4-Dioxane	Ave	0.0971	0.1046		10.8	10.0	7.8	30.0
Dibromomethane	Ave	0.4563	0.4465		9.79	10.0	-2.1	30.0
Bromodichloromethane	Ave	0.5614	0.6157		11.0	10.0	9.7	30.0
cis-1,3-Dichloropropene	Ave	0.3957	0.4493		11.4	10.0	13.6	30.0
methyl isobutyl ketone	Ave	0.3447	0.3508		10.2	10.0	1.8	30.0
Toluene	Ave	0.4577	0.4543		9.92	10.0	-0.7	30.0
n-Octane	Ave	0.3178	0.3378		10.6	10.0	6.3	30.0
trans-1,3-Dichloropropene	Ave	0.4092	0.4700		11.5	10.0	14.8	30.0
1,1,2-Trichloroethane	Ave	0.2430	0.2457		10.1	10.0	1.1	30.0
Tetrachloroethene	Ave	0.6138	0.5286		8.61	10.0	-13.9	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.2925	0.2620		8.96	10.0	-10.4	30.0
Dibromochloromethane	Ave	0.6932	0.6733		9.71	10.0	-2.9	30.0
1,2-Dibromoethane	Ave	0.5394	0.5478		10.2	10.0	1.6	30.0
Chlorobenzene	Ave	0.7324	0.7069		9.65	10.0	-3.5	30.0
Ethylbenzene	Ave	0.9563	0.9637		10.1	10.0	0.8	30.0
n-Nonane	Ave	0.3205	0.3065		9.56	10.0	-4.4	30.0
m,p-Xylene	Ave	0.4175	0.4035		19.3	20.0	-3.4	30.0
Xylene, o-	Ave	0.4393	0.4317		9.82	10.0	-1.7	30.0
Styrene	Ave	0.6156	0.6236		10.1	10.0	1.3	30.0
Bromoform	Ave	0.8018	0.7359		9.18	10.0	-8.2	30.0
Cumene	Ave	1.164	1.151		9.88	10.0	-1.2	30.0
1,1,2,2-Tetrachloroethane	Ave	0.6024	0.6262		10.4	10.0	3.9	30.0
n-Propylbenzene	Ave	1.295	1.311		10.1	10.0	1.2	30.0
1,2,3-Trichloropropane	Ave	0.4209	0.4221		10.0	10.0	0.3	30.0
n-Decane	Ave	0.3644	0.3413		9.36	10.0	-6.4	30.0
4-Ethyltoluene	Ave	1.074	1.026		9.55	10.0	-4.4	30.0
2-Chlorotoluene	Ave	0.8462	0.8188		9.67	10.0	-3.2	30.0
1,3,5-Trimethylbenzene	Ave	0.9518	0.9634		10.1	10.0	1.2	30.0
Alpha Methyl Styrene	Ave	0.5397	0.5471		10.1	10.0	1.4	30.0
tert-Butylbenzene	Ave	0.9527	0.9490		9.96	10.0	-0.4	30.0
1,2,4-Trimethylbenzene	Ave	0.9355	0.9603		10.3	10.0	2.7	30.0
sec-Butylbenzene	Ave	1.336	1.384		10.4	10.0	3.6	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-23144-1

SDG No.:

Lab Sample ID: CCVIS 200-74788/2 Calibration Date: 07/11/2014 10:42

Instrument ID: CHG.i Calib Start Date: 07/02/2014 16:53

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 07/02/2014 22:50

Lab File ID: 8512_002.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Isopropyltoluene	Ave	1.195	1.195		10.0	10.0	0.0	30.0
1,3-Dichlorobenzene	Ave	0.8407	0.8139		9.68	10.0	-3.2	30.0
1,4-Dichlorobenzene	Ave	0.8855	0.8598		9.71	10.0	-2.9	30.0
Benzyl chloride	Ave	0.7833	0.7796		9.95	10.0	-0.5	30.0
n-Butylbenzene	Ave	0.9443	1.003		10.6	10.0	6.3	30.0
n-Undecane	Ave	0.3741	0.3789		10.1	10.0	1.3	30.0
1,2-Dichlorobenzene	Ave	0.8269	0.8218		9.94	10.0	-0.6	30.0
n-Dodecane	Ave	0.2663	0.3101		11.6	10.0	16.5	30.0
1,2,4-Trichlorobenzene	Ave	0.7277	0.7337		10.1	10.0	0.8	30.0
Hexachlorobutadiene	Ave	0.6489	0.5860		9.03	10.0	-9.7	30.0
Naphthalene	Ave	1.232	1.472		11.9	10.0	19.5	30.0
1,2,3-Trichlorobenzene	Ave	0.5166	0.6489		12.6	10.0	25.6	30.0

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-23084-1

SDG No.:

Instrument ID: CHG.i Start Date: 07/02/2014 15:15

Analysis Batch Number: 74492 End Date: 07/03/2014 03:58

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-74492/1		07/02/2014 15:15	1	8394_001.D	RTX-624 0.32(mm)
VIBLK 200-74492/2		07/02/2014 16:01	1		RTX-624 0.32(mm)
IC 200-74492/3		07/02/2014 16:53	1	8394_003.D	RTX-624 0.32(mm)
IC 200-74492/4		07/02/2014 17:44	1	8394_004.D	RTX-624 0.32(mm)
IC 200-74492/5		07/02/2014 18:35	1	8394_005.D	RTX-624 0.32(mm)
IC 200-74492/6		07/02/2014 19:26	1	8394_006.D	RTX-624 0.32(mm)
ICIS 200-74492/7		07/02/2014 20:17	1	8394_007.D	RTX-624 0.32(mm)
IC 200-74492/8		07/02/2014 21:08	1	8394_008.D	RTX-624 0.32(mm)
IC 200-74492/9		07/02/2014 21:59	1	8394_009.D	RTX-624 0.32(mm)
IC 200-74492/10		07/02/2014 22:50	1	8394_010.D	RTX-624 0.32(mm)
VIBLK 200-74492/11		07/02/2014 23:41	1		RTX-624 0.32(mm)
VIBLK 200-74492/12		07/03/2014 00:33	1		RTX-624 0.32(mm)
ICV 200-74492/13		07/03/2014 01:24	1	8394_013.D	RTX-624 0.32(mm)
ZZZZZ		07/03/2014 02:15	1		RTX-624 0.32(mm)
ZZZZZ		07/03/2014 03:07	1		RTX-624 0.32(mm)
ZZZZZ		07/03/2014 03:58	1		RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-23084-1

SDG No.:

Instrument ID: CHG.i Start Date: 07/10/2014 10:45

Analysis Batch Number: 74747 End Date: 07/11/2014 08:21

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-74747/1		07/10/2014 10:45	1	8501_001.D	RTX-624 0.32(mm)
CCVIS 200-74747/2		07/10/2014 11:47	1	8501_002.D	RTX-624 0.32(mm)
LCS 200-74747/3		07/10/2014 12:39	1	8501_003.D	RTX-624 0.32(mm)
MB 200-74747/4		07/10/2014 13:30	1	8501_004.D	RTX-624 0.32(mm)
ZZZZZ		07/10/2014 14:21	26.1		RTX-624 0.32(mm)
200-23084-7	2573	07/10/2014 15:18	0.2	8501_006.D	RTX-624 0.32(mm)
ZZZZZ		07/10/2014 16:09	1150		RTX-624 0.32(mm)
ZZZZZ		07/10/2014 17:00	21.6		RTX-624 0.32(mm)
ZZZZZ		07/10/2014 17:51	1.25		RTX-624 0.32(mm)
ZZZZZ		07/10/2014 18:42	9.94		RTX-624 0.32(mm)
ZZZZZ		07/10/2014 19:34	9.95		RTX-624 0.32(mm)
ZZZZZ		07/10/2014 20:25	19.9		RTX-624 0.32(mm)
ZZZZZ		07/10/2014 21:16	89.2		RTX-624 0.32(mm)
ZZZZZ		07/10/2014 22:07	21.4		RTX-624 0.32(mm)
ZZZZZ		07/10/2014 22:58	1		RTX-624 0.32(mm)
ZZZZZ		07/10/2014 23:49	3.52		RTX-624 0.32(mm)
ZZZZZ		07/11/2014 00:40	4.98		RTX-624 0.32(mm)
ZZZZZ		07/11/2014 01:31	2		RTX-624 0.32(mm)
ZZZZZ		07/11/2014 02:22	2.5		RTX-624 0.32(mm)
ZZZZZ		07/11/2014 03:13	1		RTX-624 0.32(mm)
ZZZZZ		07/11/2014 04:04	143000		RTX-624 0.32(mm)
ZZZZZ		07/11/2014 04:56	680000		RTX-624 0.32(mm)
ZZZZZ		07/11/2014 05:47	141000		RTX-624 0.32(mm)
ZZZZZ		07/11/2014 06:38	608000		RTX-624 0.32(mm)
ZZZZZ		07/11/2014 07:30	10		RTX-624 0.32(mm)
ZZZZZ		07/11/2014 08:21	9.87		RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-23111-1

SDG No.:

Instrument ID: CHW.i Start Date: 06/14/2014 06:27

Analysis Batch Number: 73568 End Date: 06/15/2014 03:49

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-73568/1		06/14/2014 06:27	1	8058_001.d	RTX-624 0.32(mm)
VIBLK 200-73568/2		06/14/2014 07:17	1		RTX-624 0.32(mm)
ZZZZZ		06/14/2014 08:06	1		RTX-624 0.32(mm)
ZZZZZ		06/14/2014 08:56	1		RTX-624 0.32(mm)
IC 200-73568/5		06/14/2014 09:46	1	8058_005.d	RTX-624 0.32(mm)
IC 200-73568/6		06/14/2014 10:36	1	8058_006.d	RTX-624 0.32(mm)
ICIS 200-73568/7		06/14/2014 11:26	1	8058_007.d	RTX-624 0.32(mm)
IC 200-73568/8		06/14/2014 12:16	1	8058_008.d	RTX-624 0.32(mm)
IC 200-73568/9		06/14/2014 13:06	1	8058_009.d	RTX-624 0.32(mm)
IC 200-73568/10		06/14/2014 13:56	1	8058_010.d	RTX-624 0.32(mm)
VIBLK 200-73568/11		06/14/2014 14:44	1		RTX-624 0.32(mm)
VIBLK 200-73568/12		06/14/2014 15:34	1		RTX-624 0.32(mm)
ICV 200-73568/13		06/14/2014 16:24	1		RTX-624 0.32(mm)
ZZZZZ		06/14/2014 17:15	1		RTX-624 0.32(mm)
VIBLK 200-73568/15		06/14/2014 18:05	1		RTX-624 0.32(mm)
IC 200-73568/16		06/14/2014 23:41	1	8058_016.d	RTX-624 0.32(mm)
IC 200-73568/17		06/15/2014 00:33	1	8058_017.d	RTX-624 0.32(mm)
VIBLK 200-73568/18		06/15/2014 01:21	1		RTX-624 0.32(mm)
ICV 200-73568/19		06/15/2014 02:11	1	8058_019.d	RTX-624 0.32(mm)
ZZZZZ		06/15/2014 03:00	1		RTX-624 0.32(mm)
VIBLK 200-73568/21		06/15/2014 03:49	1		RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-23111-1

SDG No.:

Instrument ID: CHW.i Start Date: 07/10/2014 10:45

Analysis Batch Number: 74743 End Date: 07/11/2014 10:09

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-74743/1		07/10/2014 10:45	1	8499_001.d	RTX-624 0.32(mm)
CCVIS 200-74743/2		07/10/2014 11:48	1	8499_002.d	RTX-624 0.32(mm)
LCS 200-74743/3		07/10/2014 12:37	1	8499_003.d	RTX-624 0.32(mm)
MB 200-74743/4		07/10/2014 13:26	1	8499_004.d	RTX-624 0.32(mm)
ZZZZZ		07/10/2014 14:36	0.2		RTX-624 0.32(mm)
200-23111-11	4324	07/10/2014 15:43	0.2	8499_006.d	RTX-624 0.32(mm)
ZZZZZ		07/10/2014 16:50	0.2		RTX-624 0.32(mm)
ZZZZZ		07/10/2014 17:40	1		RTX-624 0.32(mm)
ZZZZZ		07/10/2014 18:30	1		RTX-624 0.32(mm)
ZZZZZ		07/10/2014 19:20	1		RTX-624 0.32(mm)
ZZZZZ		07/10/2014 20:12	1		RTX-624 0.32(mm)
ZZZZZ		07/10/2014 21:02	1		RTX-624 0.32(mm)
ZZZZZ		07/10/2014 21:53	1		RTX-624 0.32(mm)
ZZZZZ		07/10/2014 22:44	1		RTX-624 0.32(mm)
ZZZZZ		07/10/2014 23:36	1		RTX-624 0.32(mm)
ZZZZZ		07/11/2014 00:27	1		RTX-624 0.32(mm)
ZZZZZ		07/11/2014 01:19	1		RTX-624 0.32(mm)
ZZZZZ		07/11/2014 02:10	1		RTX-624 0.32(mm)
ZZZZZ		07/11/2014 03:02	1		RTX-624 0.32(mm)
ZZZZZ		07/11/2014 03:54	1		RTX-624 0.32(mm)
ZZZZZ		07/11/2014 04:44	1		RTX-624 0.32(mm)
ZZZZZ		07/11/2014 05:37	1		RTX-624 0.32(mm)
ZZZZZ		07/11/2014 06:29	1		RTX-624 0.32(mm)
ZZZZZ		07/11/2014 07:18	1		RTX-624 0.32(mm)
ZZZZZ		07/11/2014 08:31	0.2		RTX-624 0.32(mm)
ZZZZZ		07/11/2014 09:20	26.1		RTX-624 0.32(mm)
ZZZZZ		07/11/2014 10:09	2.99		RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-23144-1

SDG No.:

Instrument ID: CHG.i Start Date: 07/02/2014 15:15

Analysis Batch Number: 74492 End Date: 07/03/2014 03:58

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-74492/1		07/02/2014 15:15	1	8394_001.D	RTX-624 0.32(mm)
VIBLK 200-74492/2		07/02/2014 16:01	1		RTX-624 0.32(mm)
IC 200-74492/3		07/02/2014 16:53	1	8394_003.D	RTX-624 0.32(mm)
IC 200-74492/4		07/02/2014 17:44	1	8394_004.D	RTX-624 0.32(mm)
IC 200-74492/5		07/02/2014 18:35	1	8394_005.D	RTX-624 0.32(mm)
IC 200-74492/6		07/02/2014 19:26	1	8394_006.D	RTX-624 0.32(mm)
ICIS 200-74492/7		07/02/2014 20:17	1	8394_007.D	RTX-624 0.32(mm)
IC 200-74492/8		07/02/2014 21:08	1	8394_008.D	RTX-624 0.32(mm)
IC 200-74492/9		07/02/2014 21:59	1	8394_009.D	RTX-624 0.32(mm)
IC 200-74492/10		07/02/2014 22:50	1	8394_010.D	RTX-624 0.32(mm)
VIBLK 200-74492/11		07/02/2014 23:41	1		RTX-624 0.32(mm)
VIBLK 200-74492/12		07/03/2014 00:33	1		RTX-624 0.32(mm)
ICV 200-74492/13		07/03/2014 01:24	1	8394_013.D	RTX-624 0.32(mm)
ZZZZZ		07/03/2014 02:15	1		RTX-624 0.32(mm)
ZZZZZ		07/03/2014 03:07	1		RTX-624 0.32(mm)
ZZZZZ		07/03/2014 03:58	1		RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-23144-1

SDG No.:

Instrument ID: CHG.i Start Date: 07/11/2014 09:53

Analysis Batch Number: 74788 End Date: 07/12/2014 06:24

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-74788/1		07/11/2014 09:53	1	8512_001.D	RTX-624 0.32(mm)
CCVIS 200-74788/2		07/11/2014 10:42	1	8512_002.D	RTX-624 0.32(mm)
LCS 200-74788/3		07/11/2014 11:33	1	8512_003.D	RTX-624 0.32(mm)
MB 200-74788/4		07/11/2014 12:24	1	8512_004.D	RTX-624 0.32(mm)
ZZZZZ		07/11/2014 13:15	2		RTX-624 0.32(mm)
ZZZZZ		07/11/2014 14:06	8.05		RTX-624 0.32(mm)
200-23144-2	4820	07/11/2014 15:04	0.2	8512_007.D	RTX-624 0.32(mm)
ZZZZZ		07/11/2014 15:55	1		RTX-624 0.32(mm)
ZZZZZ		07/11/2014 16:46	1		RTX-624 0.32(mm)
ZZZZZ		07/11/2014 17:37	2.99		RTX-624 0.32(mm)
ZZZZZ		07/11/2014 18:28	4		RTX-624 0.32(mm)
ZZZZZ		07/11/2014 19:19	10		RTX-624 0.32(mm)
ZZZZZ		07/11/2014 20:10	75.4		RTX-624 0.32(mm)
ZZZZZ		07/11/2014 21:01	98.6		RTX-624 0.32(mm)
ZZZZZ		07/11/2014 21:52	1.98		RTX-624 0.32(mm)
ZZZZZ		07/11/2014 22:43	1		RTX-624 0.32(mm)
ZZZZZ		07/11/2014 23:34	1		RTX-624 0.32(mm)
ZZZZZ		07/12/2014 00:25	1		RTX-624 0.32(mm)
ZZZZZ		07/12/2014 01:16	1		RTX-624 0.32(mm)
ZZZZZ		07/12/2014 02:08	1		RTX-624 0.32(mm)
ZZZZZ		07/12/2014 02:59	37.6		RTX-624 0.32(mm)
ZZZZZ		07/12/2014 03:51	95.6		RTX-624 0.32(mm)
ZZZZZ		07/12/2014 04:42	49.9		RTX-624 0.32(mm)
ZZZZZ		07/12/2014 05:33	88.5		RTX-624 0.32(mm)
ZZZZZ		07/12/2014 06:24	1		RTX-624 0.32(mm)

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AFCEC
CHAIN OF CUSTODY RECORD

COC#: 1 SDG#: 1 Cooler ID: A

Ship to: Kathryn Kelly Test America - Burlington 30 Community Drive, Suite 11 South Burlington, VT 05403 Tel: (802)923-1027	Project Name: Griffiss AFB 1015-11-01 SVI Sampler Name: Katrina Mattice	Send Results to: Katrina Mattice FPM Remediations Inc 584 Phoenix Dr Rome, NY 13441
Carrier: Fedex	Sampler Signature: Katrina Mattice	Phone: (315) 336-7721 Ext 212

Analyses Requested

Field Sample ID	Location ID (LOCID)	Date 2014	Time	MATRIX	SMCODE	SBD/SED	SACODE	Start Vacuum (in Hg)	End Vacuum (in Hg)	No. of Containers	VOCs Note 1 6 L canister	ANALYSIS NOTE	Comments
786VMP0202LA	786VMP-2	7.18	1440	GS	AC	0/0	N	-30	-5	1	1	1	Can# 2545 Reg# 5594
786VMP0302LA	786VMP-3	7.18	450	GS	AC	0/0	N	-30	-4	1	1	1	Can# 4084 Reg# 5593
786VMP0102LA	786VMP-1	7.18	1500	GS	AC	0/0	N	-30	-2	1	1	1	can# 4377 Reg# 5599
785IA13	785-IA	7.17	1020	GS	AC	0/0	N	-30	-10	1	1	1	Can #.5775 Reg# 4042
786IA12	786-IA	7.17	1030	GS	AC	0/0	N	-30	-9	1	1	1	can # 4348 Reg# 3223
785786OA09	785786-OA	7.17	1040	GS	AC	0/0	N	-30	-8	1	1	1	Can# 4292 Reg# 3796
785VMP0202MA	785VMP-2	7.18	1340	GS	AC	0/0	N	-30	-4	1	1	1	can# 5039 Reg# 5592
785VMP0501JA	785VMP-5	7.18	1350	GS	AC	0/0	N	-30	-2	1	1	1	Can# 5630 Reg# 5600
785VMP0401LA	785VMP-4	7.18	1400	GS	AC	0/0	N	-30	-4	1	1	1	Can# 5075 Reg # 5595
785VMP0202MC	786VMP-2	7.18	1340	GS	AC	0/0	N	-30	-1	1	1	1	Can# 5647 Reg# 5823
~~TB~~	Trip Blank			GS	AC	0/0	T			1	1	1	

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.

280-58004 Chain of Custody

#1 Released by: (Sig) Katrina Mattice	Date: 7/18/14	#2 Released by: (Sig)	Date:	#3 Released by: (Sig)	Date:
Company Name: FPM	Time: 1700	Company Name: FPM Remediations Inc	Time:	Company Name:	Time:
#1 Received by: (Sig)	Date:	#2 Received by: (Sig)	Date: 7/21/14	#3 Received by: (Sig)	Date:
Company Name: FPM Remediations Inc	Time:	Company Name: TAS	Time: 1400	Company Name:	Time:

Login Sample Receipt Checklist

Client: FPM Remediations Inc

Job Number: 280-58004-1

Login Number: 58004
List Number: 2
Creator: Lavigne, Scott M

List Source: TestAmerica Burlington
List Creation: 07/22/14 11:14 AM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	True	736861,120403,404,119300,301,302,303,314
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	Thermal preservation not required.
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	AMBIENT
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 280-58003-1

Job Description: Griffiss AFB 1015-11-01 SVI

For:
FPM Remediations Inc
584 Phoenix Drive
Rome, NY 13441

Attention: Daniel Baldyga

Approved for release.
Elaine M Walker
Project Manager II
8/4/2014 4:58 PM

Elaine M Walker, Project Manager II
4955 Yarrow Street, Arvada, CO, 80002
(303)736-0156
elaine.walker@testamericainc.com
08/04/2014

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.

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CASE NARRATIVE
Client: FPM Remediations Inc
Project: Griffiss AFB 1015-11-01 SVI
Report Number: 280-58003-1

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

Eleven samples were received at TestAmerica Burlington on 07/21/2014; the samples arrived in good condition.

VOLATILE ORGANIC COMPOUNDS (GC/MS) - TO-15

Samples 774VMP0101KA (280-58003-1), 774VMP0201KA (280-58003-2), 774VMP0301KA (280-58003-3), 776VMP0201KC (280-58003-4), 776VMP0101KA (280-58003-5), 776VMP0201KA (280-58003-6), 776VMP0301KA (280-58003-7), 774IA1LA (280-58003-8), 774776OA1LA (280-58003-9), 776IA1LA (280-58003-10) and 774776CA01KA (280-58003-11) were analyzed for volatile organic compounds in accordance with TO-15. The samples were analyzed on 07/23/2014, 07/24/2014 and 07/31/2014.

1,2,4-Trichlorobenzene, 1,2-Dichlorobenzene, 1,3-Dichlorobenzene and 1,4-Dichlorobenzene were detected in method blank MB 200-75271/4 at levels that were above the method detection limits but below the reporting limits. The values should be considered estimates, and have been flagged “J”. However, because the result concentrations were less than ½ the respective reporting limit, no corrective action was necessary.

1,2,4-Trichlorobenzene, 1,2-Dichlorobenzene, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene and Hexachlorobutadiene were detected in method blank MB 200-75517/6 at levels that were above the method detection limits but below the reporting limits. The values should be considered estimates, and have been flagged “J”. However, because the result concentrations were less than ½ the respective reporting limit, no corrective action was necessary.

Samples 774VMP0101KA (280-58003-1), 774VMP0201KA (280-58003-2), 774VMP0301KA (280-58003-3, 776VMP0201KC (280-58003-4), 776VMP0101KA (280-58003-5), 776VMP0201KA (280-58003-6), 774IA1LA (280-58003-8) and 774776CA01KA (280-58003-11) required dilutions prior to analysis. The reporting limits have been adjusted accordingly.

The continuing calibration verification (CCV) associated with batch 200-75211 recovered above the upper control limit for Naphthalene. The samples associated with this CCV were non-detect for the affected analyte; therefore, the data have been reported. The following samples are impacted: 774776OA1LA (280-58003-9) and 776IA1LA (280-58003-10).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Instrument ID: CHC.i Analysis Batch Number: 75021

Lab Sample ID: IC 200-75021/3 Client Sample ID:

Date Analyzed: 07/17/14 12:55 Lab File ID: 8605_003.D GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Trichloroethene	13.04	Baseline Event	daiglep	07/17/14 15:53
Tetrachloroethene	16.78	Baseline Event	daiglep	07/18/14 11:14

Lab Sample ID: IC 200-75021/4 Client Sample ID:

Date Analyzed: 07/17/14 13:48 Lab File ID: 8605_004.D GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Isopentane	4.86	Peak not found by the data system	desjardin sb	07/18/14 08:08
Ethanol	5.97	Baseline Event	daiglep	07/18/14 11:21
Ethyl ether	6.02	Baseline Event	daiglep	07/18/14 11:21
Acetonitrile	7.46	Baseline Event	daiglep	07/18/14 11:21
Methyl tert-butyl ether	8.03	Baseline Event	daiglep	07/18/14 11:21
Acrylonitrile	8.22	Baseline Event	desjardin sb	07/18/14 08:08
1,1-Dichloroethane	8.94	Peak not found by the data system	daiglep	07/18/14 11:21
Vinyl acetate	9.04	Peak not found by the data system	daiglep	07/18/14 11:21
cis-1,2-Dichloroethene	10.08	Baseline Event	desjardin sb	07/18/14 08:08
Chloroform	10.70	Baseline Event	desjardin sb	07/18/14 08:08
Cyclohexane	10.91	Baseline Event	desjardin sb	07/18/14 08:08
n-Heptane	12.06	Baseline Event	daiglep	07/18/14 11:21
Trichloroethene	13.03	Baseline Event	daiglep	07/18/14 11:21
1,2-Dichloropropane	13.60	Baseline Event	desjardin sb	07/18/14 08:08
n-Octane	15.77	Baseline Event	daiglep	07/18/14 11:21
Tetrachloroethene	16.78	Baseline Event	daiglep	07/18/14 11:21

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Instrument ID: CHC.i Analysis Batch Number: 75021

Lab Sample ID: IC 200-75021/4 Client Sample ID:

Date Analyzed: 07/17/14 13:48 Lab File ID: 8605_004.D GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
n-Nonane	18.95	Peak not found by the data system	daiglep	07/18/14 11:21
n-Decane	21.48	Peak not found by the data system	daiglep	07/18/14 11:21
Naphthalene	26.30	Baseline Event	desjardin sb	07/18/14 08:08
1,2,3-Trichlorobenzene	26.76	Peak not found by the data system	daiglep	07/18/14 11:21

Lab Sample ID: IC 200-75021/18 Client Sample ID:

Date Analyzed: 07/18/14 09:36 Lab File ID: 8605_018.D GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Ethyl ether	6.01	Peak not found by the data system	daiglep	07/18/14 11:25
Acrolein	6.42	Peak not found by the data system	daiglep	07/18/14 11:25
Isopropyl alcohol	7.09	Peak not found by the data system	daiglep	07/18/14 11:25
1,1,1-Trichloroethane	10.96	Baseline Event	daiglep	07/18/14 11:25

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Instrument ID: CHC.i Analysis Batch Number: 75211

Lab Sample ID: 280-58003-9 Client Sample ID: 774776OA1LA

Date Analyzed: 07/23/14 20:14 Lab File ID: 8677_016.D GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Trichloroethene	13.02	Baseline Event	lyonsb	07/24/14 09:52

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Instrument ID: CHW.i Analysis Batch Number: 73568

Lab Sample ID: IC 200-73568/16 Client Sample ID:

Date Analyzed: 06/14/14 23:41 Lab File ID: 8058_016.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Trichloroethene	15.20	Baseline Event	daiglep	06/16/14 09:53

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Instrument ID: CHW.i Analysis Batch Number: 75271

Lab Sample ID: MB 200-75271/4 Client Sample ID:

Date Analyzed: 07/24/14 12:17 Lab File ID: 8696_004.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toluene	17.64	Baseline Event	lyonsb	07/24/14 16:02

Lab Sample ID: 280-58003-8 Client Sample ID: 774IA1LA

Date Analyzed: 07/24/14 20:08 Lab File ID: 8696_013.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzene	13.98	Baseline Event	lyonsb	07/25/14 09:22

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Instrument ID: CHW.i Analysis Batch Number: 75517

Lab Sample ID: 280-58003-3 Client Sample ID: 774VMP0301KA

Date Analyzed: 07/31/14 18:46 Lab File ID: 8801_010.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Cyclohexane	13.26	Baseline Event	lyonsb	08/01/14 10:01
Trichloroethene	15.19	Baseline Event	lyonsb	08/01/14 10:01
Ethylbenzene	20.60	Unspecified		

Lab Sample ID: 280-58003-6 Client Sample ID: 776VMP0201KA

Date Analyzed: 07/31/14 21:11 Lab File ID: 8801_013.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Cyclohexane	13.26	Baseline Event	lyonsb	08/01/14 10:05

Lab Sample ID: 280-58003-7 Client Sample ID: 776VMP0301KA

Date Analyzed: 07/31/14 22:02 Lab File ID: 8801_014.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
n-Hexane	10.64	Baseline Event	lyonsb	08/01/14 10:08
Methyl Butyl Ketone (2-Hexanone)	18.92	Unspecified		
1,3,5-Trimethylbenzene	22.99	Unspecified		

SAMPLE SUMMARY

Client: FPM Remediations Inc

Job Number: 280-58003-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
280-58003-1	774VMP0101KA	Air	07/17/2014 0915	07/21/2014 1400
280-58003-2	774VMP0201KA	Air	07/17/2014 0925	07/21/2014 1400
280-58003-3	774VMP0301KA	Air	07/17/2014 0935	07/21/2014 1400
280-58003-4	776VMP0201KC	Air	07/17/2014 1150	07/21/2014 1400
280-58003-5	776VMP0101KA	Air	07/17/2014 1200	07/21/2014 1400
280-58003-6	776VMP0201KA	Air	07/17/2014 1150	07/21/2014 1400
280-58003-7	776VMP0301KA	Air	07/17/2014 1210	07/21/2014 1400
280-58003-8	774IA1LA	Air	07/17/2014 0840	07/21/2014 1400
280-58003-9	774776OA1LA	Air	07/17/2014 0900	07/21/2014 1400
280-58003-10	776IA1LA	Air	07/17/2014 0850	07/21/2014 1400
280-58003-11	774776CA01KA	Air	07/16/2014 1145	07/21/2014 1400

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-58003-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-58003-1	**774VMP0101KA**					
Dichlorodifluoromethane		0.56	J D	7.1	ppb v/v	TO-15
Dichlorodifluoromethane		2.8	J D	35	ug/m3	TO-15
Freon 22		320	D	7.1	ppb v/v	TO-15
Freon 22		1100	D	25	ug/m3	TO-15
Trichlorofluoromethane		2.6	J D	2.8	ppb v/v	TO-15
Trichlorofluoromethane		15	J D	16	ug/m3	TO-15
Isopropyl alcohol		3.7	J D	71	ppb v/v	TO-15
Isopropyl alcohol		9.0	J D	170	ug/m3	TO-15
Toluene		0.37	J D	2.8	ppb v/v	TO-15
Toluene		1.4	J D	11	ug/m3	TO-15
280-58003-2	**774VMP0201KA**					
Freon 22		380	D	9.2	ppb v/v	TO-15
Freon 22		1300	D	32	ug/m3	TO-15
Trichlorofluoromethane		2.6	J D	3.7	ppb v/v	TO-15
Trichlorofluoromethane		14	J D	21	ug/m3	TO-15
Isopropyl alcohol		4.7	J D	92	ppb v/v	TO-15
Isopropyl alcohol		12	J D	220	ug/m3	TO-15
280-58003-3	**774VMP0301KA**					
Dichlorodifluoromethane		4.8	J D	21	ppb v/v	TO-15
Dichlorodifluoromethane		24	J D	100	ug/m3	TO-15
Freon 22		1100	D	21	ppb v/v	TO-15
Freon 22		4000	D	73	ug/m3	TO-15
Trichlorofluoromethane		66	D	8.2	ppb v/v	TO-15
Trichlorofluoromethane		370	D	46	ug/m3	TO-15
Acetone		73	J D	210	ppb v/v	TO-15
Acetone		170	J D	490	ug/m3	TO-15
Isopropyl alcohol		46	J D	210	ppb v/v	TO-15
Isopropyl alcohol		110	J D	500	ug/m3	TO-15
Cyclohexane		3.6	J D M	8.2	ppb v/v	TO-15
Cyclohexane		12	J D M	28	ug/m3	TO-15
Benzene		1.8	J D	8.2	ppb v/v	TO-15
Benzene		5.8	J D	26	ug/m3	TO-15
Trichloroethene		1.7	J D M	8.2	ppb v/v	TO-15
Trichloroethene		9.2	J D M	44	ug/m3	TO-15
Toluene		2.3	J D	8.2	ppb v/v	TO-15
Toluene		8.6	J D	31	ug/m3	TO-15
Ethylbenzene		0.58	J D M	8.2	ppb v/v	TO-15
Ethylbenzene		2.5	J D M	36	ug/m3	TO-15
m,p-Xylene		1.3	J D	21	ppb v/v	TO-15
m,p-Xylene		5.6	J D	89	ug/m3	TO-15
Styrene		1.2	J D	8.2	ppb v/v	TO-15
Styrene		5.0	J D	35	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-58003-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-58003-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-58003-4	**776VMP0201KC**					
Dichlorodifluoromethane		0.61	J D	1.0	ppb v/v	TO-15
Dichlorodifluoromethane		3.0	J D	4.9	ug/m3	TO-15
Freon 22		49	D	1.0	ppb v/v	TO-15
Freon 22		170	D	3.5	ug/m3	TO-15
Chloromethane		0.63	J D	1.0	ppb v/v	TO-15
Chloromethane		1.3	J D	2.1	ug/m3	TO-15
n-Butane		0.63	J D	1.0	ppb v/v	TO-15
n-Butane		1.5	J D	2.4	ug/m3	TO-15
Trichlorofluoromethane		0.27	J D	0.40	ppb v/v	TO-15
Trichlorofluoromethane		1.5	J D	2.2	ug/m3	TO-15
Freon TF		0.087	J D	0.40	ppb v/v	TO-15
Freon TF		0.67	J D	3.1	ug/m3	TO-15
Acetone		16	D	10	ppb v/v	TO-15
Acetone		38	D	24	ug/m3	TO-15
Isopropyl alcohol		19	D	10	ppb v/v	TO-15
Isopropyl alcohol		47	D	25	ug/m3	TO-15
tert-Butyl alcohol		1.6	J D	10	ppb v/v	TO-15
tert-Butyl alcohol		5.0	J D	30	ug/m3	TO-15
Methyl tert-butyl ether		0.087	J D	0.40	ppb v/v	TO-15
Methyl tert-butyl ether		0.32	J D	1.4	ug/m3	TO-15
n-Hexane		0.22	J D	0.40	ppb v/v	TO-15
n-Hexane		0.79	J D	1.4	ug/m3	TO-15
Methyl Ethyl Ketone		2.4	D	1.0	ppb v/v	TO-15
Methyl Ethyl Ketone		7.0	D	2.9	ug/m3	TO-15
Chloroform		0.068	J D	0.40	ppb v/v	TO-15
Chloroform		0.33	J D	2.0	ug/m3	TO-15
Cyclohexane		0.36	J D	0.40	ppb v/v	TO-15
Cyclohexane		1.3	J D	1.4	ug/m3	TO-15
2,2,4-Trimethylpentane		0.13	J D	0.40	ppb v/v	TO-15
2,2,4-Trimethylpentane		0.61	J D	1.9	ug/m3	TO-15
Benzene		0.19	J D	0.40	ppb v/v	TO-15
Benzene		0.60	J D	1.3	ug/m3	TO-15
n-Heptane		0.17	J D	0.40	ppb v/v	TO-15
n-Heptane		0.69	J D	1.6	ug/m3	TO-15
Trichloroethene		0.21	J D	0.40	ppb v/v	TO-15
Trichloroethene		1.1	J D	2.1	ug/m3	TO-15
Methyl methacrylate		0.17	J D	1.0	ppb v/v	TO-15
Methyl methacrylate		0.71	J D	4.1	ug/m3	TO-15
methyl isobutyl ketone		0.28	J D	1.0	ppb v/v	TO-15
methyl isobutyl ketone		1.2	J D	4.1	ug/m3	TO-15
Toluene		1.1	D	0.40	ppb v/v	TO-15
Toluene		4.2	D	1.5	ug/m3	TO-15
Ethylbenzene		0.44	D	0.40	ppb v/v	TO-15
Ethylbenzene		1.9	D	1.7	ug/m3	TO-15
m,p-Xylene		1.2	D	1.0	ppb v/v	TO-15
m,p-Xylene		5.1	D	4.3	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-58003-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
Xylene, o-		0.43	D	0.40	ppb v/v	TO-15
Xylene, o-		1.9	D	1.7	ug/m3	TO-15
Xylene (total)		1.6		0.40	ppb v/v	TO-15
Xylene (total)		7.1		1.7	ug/m3	TO-15
Styrene		0.33	J D	0.40	ppb v/v	TO-15
Styrene		1.4	J D	1.7	ug/m3	TO-15
Cumene		0.068	J D	0.40	ppb v/v	TO-15
Cumene		0.34	J D	2.0	ug/m3	TO-15
4-Ethyltoluene		0.14	J D	0.40	ppb v/v	TO-15
4-Ethyltoluene		0.68	J D	2.0	ug/m3	TO-15
1,3,5-Trimethylbenzene		0.14	J D	0.40	ppb v/v	TO-15
1,3,5-Trimethylbenzene		0.68	J D	2.0	ug/m3	TO-15
1,2,4-Trimethylbenzene		0.47	D	0.40	ppb v/v	TO-15
1,2,4-Trimethylbenzene		2.3	D	2.0	ug/m3	TO-15
1,3-Dichlorobenzene		1.0	D	0.40	ppb v/v	TO-15
1,3-Dichlorobenzene		6.3	D	2.4	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-58003-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-58003-5	**776VMP0101KA**					
Dichlorodifluoromethane		0.55	J D	0.80	ppb v/v	TO-15
Dichlorodifluoromethane		2.7	J D	4.0	ug/m3	TO-15
Freon 22		35	D	0.80	ppb v/v	TO-15
Freon 22		130	D	2.8	ug/m3	TO-15
Chloromethane		0.41	J D	0.80	ppb v/v	TO-15
Chloromethane		0.85	J D	1.7	ug/m3	TO-15
Trichlorofluoromethane		0.22	J D	0.32	ppb v/v	TO-15
Trichlorofluoromethane		1.2	J D	1.8	ug/m3	TO-15
Freon TF		0.082	J D	0.32	ppb v/v	TO-15
Freon TF		0.63	J D	2.5	ug/m3	TO-15
Acetone		10	D	8.0	ppb v/v	TO-15
Acetone		24	D	19	ug/m3	TO-15
Isopropyl alcohol		6.2	J D	8.0	ppb v/v	TO-15
Isopropyl alcohol		15	J D	20	ug/m3	TO-15
Carbon disulfide		0.74	J D	0.80	ppb v/v	TO-15
Carbon disulfide		2.3	J D	2.5	ug/m3	TO-15
n-Hexane		0.094	J D	0.32	ppb v/v	TO-15
n-Hexane		0.33	J D	1.1	ug/m3	TO-15
Methyl Ethyl Ketone		1.4	D	0.80	ppb v/v	TO-15
Methyl Ethyl Ketone		4.0	D	2.4	ug/m3	TO-15
Chloroform		0.050	J D	0.32	ppb v/v	TO-15
Chloroform		0.25	J D	1.6	ug/m3	TO-15
Cyclohexane		0.31	J D	0.32	ppb v/v	TO-15
Cyclohexane		1.1	J D	1.1	ug/m3	TO-15
Carbon tetrachloride		0.074	J D	0.32	ppb v/v	TO-15
Carbon tetrachloride		0.47	J D	2.0	ug/m3	TO-15
Benzene		0.082	J D	0.32	ppb v/v	TO-15
Benzene		0.26	J D	1.0	ug/m3	TO-15
Trichloroethene		0.13	J D	0.32	ppb v/v	TO-15
Trichloroethene		0.71	J D	1.7	ug/m3	TO-15
methyl isobutyl ketone		0.068	J D	0.80	ppb v/v	TO-15
methyl isobutyl ketone		0.28	J D	3.3	ug/m3	TO-15
Toluene		0.10	J D	0.32	ppb v/v	TO-15
Toluene		0.38	J D	1.2	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc Job Number: 280-58003-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-58003-6	**776VMP0201KA**					
Dichlorodifluoromethane		0.60	J D	1.0	ppb v/v	TO-15
Dichlorodifluoromethane		3.0	J D	4.9	ug/m3	TO-15
Freon 22		48	D	1.0	ppb v/v	TO-15
Freon 22		170	D	3.5	ug/m3	TO-15
Chloromethane		0.61	J D	1.0	ppb v/v	TO-15
Chloromethane		1.3	J D	2.1	ug/m3	TO-15
n-Butane		0.67	J D	1.0	ppb v/v	TO-15
n-Butane		1.6	J D	2.4	ug/m3	TO-15
Trichlorofluoromethane		0.26	J D	0.40	ppb v/v	TO-15
Trichlorofluoromethane		1.5	J D	2.2	ug/m3	TO-15
Freon TF		0.097	J D	0.40	ppb v/v	TO-15
Freon TF		0.74	J D	3.1	ug/m3	TO-15
Acetone		13	D	10	ppb v/v	TO-15
Acetone		32	D	24	ug/m3	TO-15
Isopropyl alcohol		19	D	10	ppb v/v	TO-15
Isopropyl alcohol		48	D	25	ug/m3	TO-15
tert-Butyl alcohol		1.5	J D	10	ppb v/v	TO-15
tert-Butyl alcohol		4.6	J D	30	ug/m3	TO-15
Methyl tert-butyl ether		0.091	J D	0.40	ppb v/v	TO-15
Methyl tert-butyl ether		0.33	J D	1.4	ug/m3	TO-15
n-Hexane		0.21	J D	0.40	ppb v/v	TO-15
n-Hexane		0.73	J D	1.4	ug/m3	TO-15
Methyl Ethyl Ketone		1.6	D	1.0	ppb v/v	TO-15
Methyl Ethyl Ketone		4.6	D	2.9	ug/m3	TO-15
Chloroform		0.062	J D	0.40	ppb v/v	TO-15
Chloroform		0.30	J D	2.0	ug/m3	TO-15
Cyclohexane		0.34	J D M	0.40	ppb v/v	TO-15
Cyclohexane		1.2	J D M	1.4	ug/m3	TO-15
2,2,4-Trimethylpentane		0.17	J D	0.40	ppb v/v	TO-15
2,2,4-Trimethylpentane		0.80	J D	1.9	ug/m3	TO-15
Benzene		0.19	J D	0.40	ppb v/v	TO-15
Benzene		0.59	J D	1.3	ug/m3	TO-15
Trichloroethene		0.21	J D	0.40	ppb v/v	TO-15
Trichloroethene		1.1	J D	2.1	ug/m3	TO-15
Methyl methacrylate		0.18	J D	1.0	ppb v/v	TO-15
Methyl methacrylate		0.74	J D	4.1	ug/m3	TO-15
methyl isobutyl ketone		0.23	J D	1.0	ppb v/v	TO-15
methyl isobutyl ketone		0.93	J D	4.1	ug/m3	TO-15
Toluene		1.3	D	0.40	ppb v/v	TO-15
Toluene		4.8	D	1.5	ug/m3	TO-15
Ethylbenzene		0.48	D	0.40	ppb v/v	TO-15
Ethylbenzene		2.1	D	1.7	ug/m3	TO-15
m,p-Xylene		1.3	D	1.0	ppb v/v	TO-15
m,p-Xylene		5.8	D	4.3	ug/m3	TO-15
Xylene, o-		0.48	D	0.40	ppb v/v	TO-15
Xylene, o-		2.1	D	1.7	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-58003-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
Xylene (total)		1.8		0.40	ppb v/v	TO-15
Xylene (total)		7.7		1.7	ug/m3	TO-15
Styrene		0.37	J D	0.40	ppb v/v	TO-15
Styrene		1.6	J D	1.7	ug/m3	TO-15
Cumene		0.068	J D	0.40	ppb v/v	TO-15
Cumene		0.33	J D	2.0	ug/m3	TO-15
4-Ethyltoluene		0.17	J D	0.40	ppb v/v	TO-15
4-Ethyltoluene		0.81	J D	2.0	ug/m3	TO-15
1,3,5-Trimethylbenzene		0.15	J D	0.40	ppb v/v	TO-15
1,3,5-Trimethylbenzene		0.74	J D	2.0	ug/m3	TO-15
1,2,4-Trimethylbenzene		0.55	D	0.40	ppb v/v	TO-15
1,2,4-Trimethylbenzene		2.7	D	2.0	ug/m3	TO-15
1,3-Dichlorobenzene		1.3	D	0.40	ppb v/v	TO-15
1,3-Dichlorobenzene		7.8	D	2.4	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-58003-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-58003-7	**776VMP0301KA**					
Dichlorodifluoromethane		0.57		0.50	ppb v/v	TO-15
Dichlorodifluoromethane		2.8		2.5	ug/m3	TO-15
Freon 22		14		0.50	ppb v/v	TO-15
Freon 22		50		1.8	ug/m3	TO-15
Chloromethane		0.64		0.50	ppb v/v	TO-15
Chloromethane		1.3		1.0	ug/m3	TO-15
n-Butane		0.29	J	0.50	ppb v/v	TO-15
n-Butane		0.69	J	1.2	ug/m3	TO-15
Bromomethane		0.029	J	0.20	ppb v/v	TO-15
Bromomethane		0.11	J	0.78	ug/m3	TO-15
Chloroethane		0.035	J	0.50	ppb v/v	TO-15
Chloroethane		0.093	J	1.3	ug/m3	TO-15
Trichlorofluoromethane		0.23		0.20	ppb v/v	TO-15
Trichlorofluoromethane		1.3		1.1	ug/m3	TO-15
Freon TF		0.075	J	0.20	ppb v/v	TO-15
Freon TF		0.57	J	1.5	ug/m3	TO-15
Acetone		11		5.0	ppb v/v	TO-15
Acetone		26		12	ug/m3	TO-15
Isopropyl alcohol		7.6		5.0	ppb v/v	TO-15
Isopropyl alcohol		19		12	ug/m3	TO-15
Carbon disulfide		0.64		0.50	ppb v/v	TO-15
Carbon disulfide		2.0		1.6	ug/m3	TO-15
Methylene Chloride		0.17	J	0.50	ppb v/v	TO-15
Methylene Chloride		0.58	J	1.7	ug/m3	TO-15
n-Hexane		0.069	J M	0.20	ppb v/v	TO-15
n-Hexane		0.24	J M	0.70	ug/m3	TO-15
Methyl Ethyl Ketone		1.4		0.50	ppb v/v	TO-15
Methyl Ethyl Ketone		4.0		1.5	ug/m3	TO-15
Chloroform		0.090	J	0.20	ppb v/v	TO-15
Chloroform		0.44	J	0.98	ug/m3	TO-15
Cyclohexane		0.34		0.20	ppb v/v	TO-15
Cyclohexane		1.2		0.69	ug/m3	TO-15
2,2,4-Trimethylpentane		0.034	J	0.20	ppb v/v	TO-15
2,2,4-Trimethylpentane		0.16	J	0.93	ug/m3	TO-15
Benzene		0.096	J	0.20	ppb v/v	TO-15
Benzene		0.31	J	0.64	ug/m3	TO-15
1,2-Dichloroethane		0.067	J	0.20	ppb v/v	TO-15
1,2-Dichloroethane		0.27	J	0.81	ug/m3	TO-15
n-Heptane		0.084	J	0.20	ppb v/v	TO-15
n-Heptane		0.34	J	0.82	ug/m3	TO-15
Trichloroethene		0.64		0.20	ppb v/v	TO-15
Trichloroethene		3.5		1.1	ug/m3	TO-15
1,4-Dioxane		0.22	J	5.0	ppb v/v	TO-15
1,4-Dioxane		0.79	J	18	ug/m3	TO-15
methyl isobutyl ketone		0.28	J	0.50	ppb v/v	TO-15
methyl isobutyl ketone		1.1	J	2.0	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-58003-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
Toluene		0.23		0.20	ppb v/v	TO-15
Toluene		0.88		0.75	ug/m3	TO-15
Ethylbenzene		0.092	J	0.20	ppb v/v	TO-15
Ethylbenzene		0.40	J	0.87	ug/m3	TO-15
m,p-Xylene		0.23	J	0.50	ppb v/v	TO-15
m,p-Xylene		0.99	J	2.2	ug/m3	TO-15
Xylene, o-		0.079	J	0.20	ppb v/v	TO-15
Xylene, o-		0.34	J	0.87	ug/m3	TO-15
Xylene (total)		0.31		0.20	ppb v/v	TO-15
Xylene (total)		1.3		0.87	ug/m3	TO-15
Styrene		0.10	J	0.20	ppb v/v	TO-15
Styrene		0.43	J	0.85	ug/m3	TO-15
4-Ethyltoluene		0.025	J	0.20	ppb v/v	TO-15
4-Ethyltoluene		0.12	J	0.98	ug/m3	TO-15
1,3,5-Trimethylbenzene		0.022	J M	0.20	ppb v/v	TO-15
1,3,5-Trimethylbenzene		0.11	J M	0.98	ug/m3	TO-15
1,2,4-Trimethylbenzene		0.072	J	0.20	ppb v/v	TO-15
1,2,4-Trimethylbenzene		0.36	J	0.98	ug/m3	TO-15
Naphthalene		0.23	J	0.50	ppb v/v	TO-15
Naphthalene		1.2	J	2.6	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-58003-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-58003-8	**774IA1LA**					
Dichlorodifluoromethane		0.59	J D	1.3	ppb v/v	TO-15
Dichlorodifluoromethane		2.9	J D	6.2	ug/m3	TO-15
Freon 22		94	D	1.3	ppb v/v	TO-15
Freon 22		330	D	4.4	ug/m3	TO-15
Chloromethane		0.59	J D	1.3	ppb v/v	TO-15
Chloromethane		1.2	J D	2.6	ug/m3	TO-15
Trichlorofluoromethane		3.2	D	0.50	ppb v/v	TO-15
Trichlorofluoromethane		18	D	2.8	ug/m3	TO-15
Acetone		7.6	J D	13	ppb v/v	TO-15
Acetone		18	J D	30	ug/m3	TO-15
Isopropyl alcohol		4.6	J D	13	ppb v/v	TO-15
Isopropyl alcohol		11	J D	31	ug/m3	TO-15
n-Hexane		0.096	J D	0.50	ppb v/v	TO-15
n-Hexane		0.34	J D	1.8	ug/m3	TO-15
Methyl Ethyl Ketone		1.2	J D	1.3	ppb v/v	TO-15
Methyl Ethyl Ketone		3.5	J D	3.7	ug/m3	TO-15
Carbon tetrachloride		0.077	J D	0.50	ppb v/v	TO-15
Carbon tetrachloride		0.49	J D	3.1	ug/m3	TO-15
Benzene		0.074	J D M	0.50	ppb v/v	TO-15
Benzene		0.24	J D M	1.6	ug/m3	TO-15
Toluene		0.17	J D	0.50	ppb v/v	TO-15
Toluene		0.65	J D	1.9	ug/m3	TO-15
Ethylbenzene		0.052	J D	0.50	ppb v/v	TO-15
Ethylbenzene		0.23	J D	2.2	ug/m3	TO-15
m,p-Xylene		0.10	J D	1.3	ppb v/v	TO-15
m,p-Xylene		0.45	J D	5.4	ug/m3	TO-15
Xylene (total)		0.10	J	0.50	ppb v/v	TO-15
Xylene (total)		0.43	J	2.2	ug/m3	TO-15
Styrene		0.10	J D	0.50	ppb v/v	TO-15
Styrene		0.43	J D	2.1	ug/m3	TO-15
1,2,4-Trimethylbenzene		0.040	J D	0.50	ppb v/v	TO-15
1,2,4-Trimethylbenzene		0.20	J D	2.5	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-58003-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-58003-9	**774776OA1LA**					
Dichlorodifluoromethane		0.56		0.50	ppb v/v	TO-15
Dichlorodifluoromethane		2.8		2.5	ug/m3	TO-15
Freon 22		0.26	J	0.50	ppb v/v	TO-15
Freon 22		0.94	J	1.8	ug/m3	TO-15
Chloromethane		0.50		0.50	ppb v/v	TO-15
Chloromethane		1.0		1.0	ug/m3	TO-15
Trichlorofluoromethane		0.24		0.20	ppb v/v	TO-15
Trichlorofluoromethane		1.3		1.1	ug/m3	TO-15
Acetone		3.8	J	5.0	ppb v/v	TO-15
Acetone		9.1	J	12	ug/m3	TO-15
Isopropyl alcohol		0.40	J	5.0	ppb v/v	TO-15
Isopropyl alcohol		0.98	J	12	ug/m3	TO-15
Carbon disulfide		0.16	J	0.50	ppb v/v	TO-15
Carbon disulfide		0.50	J	1.6	ug/m3	TO-15
Methyl Ethyl Ketone		0.76		0.50	ppb v/v	TO-15
Methyl Ethyl Ketone		2.2		1.5	ug/m3	TO-15
Carbon tetrachloride		0.076	J	0.20	ppb v/v	TO-15
Carbon tetrachloride		0.48	J	1.3	ug/m3	TO-15
Benzene		0.050	J	0.20	ppb v/v	TO-15
Benzene		0.16	J	0.64	ug/m3	TO-15
Trichloroethene		0.099	J M	0.20	ppb v/v	TO-15
Trichloroethene		0.53	J M	1.1	ug/m3	TO-15
methyl isobutyl ketone		0.027	J	0.50	ppb v/v	TO-15
methyl isobutyl ketone		0.11	J	2.0	ug/m3	TO-15
Toluene		0.097	J	0.20	ppb v/v	TO-15
Toluene		0.37	J	0.75	ug/m3	TO-15
m,p-Xylene		0.046	J	0.50	ppb v/v	TO-15
m,p-Xylene		0.20	J	2.2	ug/m3	TO-15
Xylene (total)		0.046	J	0.20	ppb v/v	TO-15
Xylene (total)		0.20	J	0.87	ug/m3	TO-15
1,1,2,2-Tetrachloroethane		0.80		0.20	ppb v/v	TO-15
1,1,2,2-Tetrachloroethane		5.5		1.4	ug/m3	TO-15
1,2,4-Trimethylbenzene		0.022	J	0.20	ppb v/v	TO-15
1,2,4-Trimethylbenzene		0.11	J	0.98	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-58003-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-58003-10	**776IA1LA**					
Dichlorodifluoromethane		0.63		0.50	ppb v/v	TO-15
Dichlorodifluoromethane		3.1		2.5	ug/m3	TO-15
Freon 22		8.4		0.50	ppb v/v	TO-15
Freon 22		30		1.8	ug/m3	TO-15
Chloromethane		0.63		0.50	ppb v/v	TO-15
Chloromethane		1.3		1.0	ug/m3	TO-15
n-Butane		0.33	J	0.50	ppb v/v	TO-15
n-Butane		0.77	J	1.2	ug/m3	TO-15
Trichlorofluoromethane		0.26		0.20	ppb v/v	TO-15
Trichlorofluoromethane		1.5		1.1	ug/m3	TO-15
Acetone		8.4		5.0	ppb v/v	TO-15
Acetone		20		12	ug/m3	TO-15
Isopropyl alcohol		6.2		5.0	ppb v/v	TO-15
Isopropyl alcohol		15		12	ug/m3	TO-15
Carbon disulfide		0.26	J	0.50	ppb v/v	TO-15
Carbon disulfide		0.82	J	1.6	ug/m3	TO-15
Methylene Chloride		0.18	J	0.50	ppb v/v	TO-15
Methylene Chloride		0.64	J	1.7	ug/m3	TO-15
Methyl Ethyl Ketone		0.67		0.50	ppb v/v	TO-15
Methyl Ethyl Ketone		2.0		1.5	ug/m3	TO-15
Chloroform		0.060	J	0.20	ppb v/v	TO-15
Chloroform		0.29	J	0.98	ug/m3	TO-15
Carbon tetrachloride		0.080	J	0.20	ppb v/v	TO-15
Carbon tetrachloride		0.51	J	1.3	ug/m3	TO-15
Benzene		0.057	J	0.20	ppb v/v	TO-15
Benzene		0.18	J	0.64	ug/m3	TO-15
1,2-Dichloroethane		0.067	J	0.20	ppb v/v	TO-15
1,2-Dichloroethane		0.27	J	0.81	ug/m3	TO-15
Trichloroethene		0.18	J	0.20	ppb v/v	TO-15
Trichloroethene		0.95	J	1.1	ug/m3	TO-15
methyl isobutyl ketone		0.35	J	0.50	ppb v/v	TO-15
methyl isobutyl ketone		1.5	J	2.0	ug/m3	TO-15
Toluene		0.30		0.20	ppb v/v	TO-15
Toluene		1.1		0.75	ug/m3	TO-15
Chlorobenzene		0.072	J	0.20	ppb v/v	TO-15
Chlorobenzene		0.33	J	0.92	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		0.25	J	0.50	ppb v/v	TO-15
m,p-Xylene		1.1	J	2.2	ug/m3	TO-15
Xylene, o-		0.082	J	0.20	ppb v/v	TO-15
Xylene, o-		0.36	J	0.87	ug/m3	TO-15
Xylene (total)		0.33		0.20	ppb v/v	TO-15
Xylene (total)		1.4		0.87	ug/m3	TO-15
Styrene		0.081	J	0.20	ppb v/v	TO-15
Styrene		0.35	J	0.85	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-58003-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
4-Ethyltoluene		0.018	J	0.20	ppb v/v	TO-15
4-Ethyltoluene		0.090	J	0.98	ug/m3	TO-15
1,2,4-Trimethylbenzene		0.065	J	0.20	ppb v/v	TO-15
1,2,4-Trimethylbenzene		0.32	J	0.98	ug/m3	TO-15
280-58003-11	**774776CA01KA**					
Dichlorodifluoromethane		1.4	J D	2.5	ppb v/v	TO-15
Dichlorodifluoromethane		6.9	J D	12	ug/m3	TO-15
Freon 22		150	D	2.5	ppb v/v	TO-15
Freon 22		510	D	8.8	ug/m3	TO-15
Chloromethane		0.81	J D	2.5	ppb v/v	TO-15
Chloromethane		1.7	J D	5.2	ug/m3	TO-15
Trichlorofluoromethane		4.3	D	1.0	ppb v/v	TO-15
Trichlorofluoromethane		24	D	5.6	ug/m3	TO-15
Acetone		27	D	25	ppb v/v	TO-15
Acetone		63	D	59	ug/m3	TO-15
Isopropyl alcohol		4.2	J D	25	ppb v/v	TO-15
Isopropyl alcohol		10	J D	61	ug/m3	TO-15
Methyl Ethyl Ketone		1.6	J D	2.5	ppb v/v	TO-15
Methyl Ethyl Ketone		4.7	J D	7.4	ug/m3	TO-15
Chloroform		0.90	J D	1.0	ppb v/v	TO-15
Chloroform		4.4	J D	4.9	ug/m3	TO-15
Carbon tetrachloride		0.24	J D	1.0	ppb v/v	TO-15
Carbon tetrachloride		1.5	J D	6.3	ug/m3	TO-15
Benzene		0.20	J D	1.0	ppb v/v	TO-15
Benzene		0.65	J D	3.2	ug/m3	TO-15
Trichloroethene		18	D	1.0	ppb v/v	TO-15
Trichloroethene		97	D	5.4	ug/m3	TO-15
Toluene		0.19	J D	1.0	ppb v/v	TO-15
Toluene		0.72	J D	3.8	ug/m3	TO-15
Tetrachloroethene		0.24	J D	1.0	ppb v/v	TO-15
Tetrachloroethene		1.6	J D	6.8	ug/m3	TO-15
Ethylbenzene		0.073	J D	1.0	ppb v/v	TO-15
Ethylbenzene		0.32	J D	4.3	ug/m3	TO-15
m,p-Xylene		0.12	J D	2.5	ppb v/v	TO-15
m,p-Xylene		0.50	J D	11	ug/m3	TO-15
Cumene		0.20	J D	1.0	ppb v/v	TO-15
Cumene		0.98	J D	4.9	ug/m3	TO-15

METHOD SUMMARY

Client: FPM Remediations Inc

Job Number: 280-58003-1

Description	Lab Location	Method	Preparation Method
Matrix: Air			
Volatile Organic Compounds in Ambient Air	TAL BUR	EPA TO-15	
Collection via Summa Canister	TAL BUR		Summa Canister

Lab References:

TAL BUR = TestAmerica Burlington

Method References:

EPA = US Environmental Protection Agency

METHOD / ANALYST SUMMARY

Client: FPM Remediations Inc

Job Number: 280-58003-1

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

Client: FPM Remediations Inc

Job Number: 280-58003-1

Client Sample ID: **774VMP0101KA**

Lab Sample ID: 280-58003-1
Client Matrix: Air

Date Sampled: 07/17/2014 0915
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75517	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8801_008.d
Dilution:	14.1			Initial Weight/Volume:	27 mL
Analysis Date:	07/31/2014 1709			Final Weight/Volume:	200 mL
Prep Date:	07/31/2014 1709			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	0.56	J D	0.42	7.1
Freon 22	320	D	0.68	7.1
1,2-Dichlorotetrafluoroethane	1.1	U	0.49	2.8
Chloromethane	7.1	U	1.9	7.1
n-Butane	7.1	U	4.0	7.1
Vinyl chloride	1.1	U	0.54	2.8
1,3-Butadiene	1.1	U	0.59	2.8
Bromomethane	1.1	U	0.39	2.8
Chloroethane	1.1	U	0.42	7.1
Bromoethene(Vinyl Bromide)	1.1	U	0.42	2.8
Trichlorofluoromethane	2.6	J D	0.42	2.8
Freon TF	0.42	U	0.25	2.8
1,1-Dichloroethene	1.1	U	0.34	2.8
Acetone	35	U	18	71
Isopropyl alcohol	3.7	J D	3.0	71
Carbon disulfide	2.8	U	0.93	7.1
3-Chloropropene	1.1	U	0.48	7.1
Methylene Chloride	2.8	U	1.8	7.1
tert-Butyl alcohol	7.1	U	4.6	71
Methyl tert-butyl ether	1.1	U	0.31	2.8
trans-1,2-Dichloroethene	1.1	U	0.41	2.8
n-Hexane	1.1	U	0.48	2.8
1,1-Dichloroethane	1.1	U	0.54	2.8
Methyl Ethyl Ketone	7.1	U	3.4	7.1
cis-1,2-Dichloroethene	1.1	U	0.54	2.8
1,2-Dichloroethene, Total	1.1	U	0.90	2.8
Chloroform	1.1	U	0.35	2.8
Tetrahydrofuran	1.1	U	0.65	71
1,1,1-Trichloroethane	1.1	U	0.30	2.8
Cyclohexane	1.1	U	0.35	2.8
Carbon tetrachloride	1.1	U	0.30	2.8
2,2,4-Trimethylpentane	1.1	U	0.38	2.8
Benzene	0.42	U	0.27	2.8
1,2-Dichloroethane	0.42	U	0.24	2.8
n-Heptane	1.1	U	0.65	2.8
Trichloroethene	1.1	U	0.34	2.8
Methyl methacrylate	1.1	U	0.42	7.1
1,2-Dichloropropane	1.1	U	0.45	2.8
1,4-Dioxane	2.8	U	2.8	71
Bromodichloromethane	0.42	U	0.24	2.8
cis-1,3-Dichloropropene	1.1	U	0.39	2.8
methyl isobutyl ketone	1.1	U	0.38	7.1
Toluene	0.37	J D	0.24	2.8
trans-1,3-Dichloropropene	1.1	U	0.31	2.8
1,1,2-Trichloroethane	0.42	U	0.24	2.8
Tetrachloroethene	0.42	U	0.23	2.8

Client: FPM Remediations Inc

Job Number: 280-58003-1

Client Sample ID: **774VMP0101KA**

Lab Sample ID: 280-58003-1
Client Matrix: Air

Date Sampled: 07/17/2014 0915
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75517	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8801_008.d
Dilution:	14.1			Initial Weight/Volume:	27 mL
Analysis Date:	07/31/2014 1709			Final Weight/Volume:	200 mL
Prep Date:	07/31/2014 1709			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Methyl Butyl Ketone (2-Hexanone)	2.8	U	2.8	7.1
Dibromochloromethane	0.42	U	0.28	2.8
1,2-Dibromoethane	1.1	U	0.28	2.8
Chlorobenzene	0.42	U	0.11	2.8
Ethylbenzene	0.42	U	0.18	2.8
m,p-Xylene	1.1	U	0.32	7.1
Xylene, o-	0.42	U	0.23	2.8
Xylene (total)	1.1	U	0.48	2.8
Styrene	0.42	U	0.25	2.8
Bromoform	0.42	U	0.14	2.8
Cumene	0.42	U	0.23	2.8
1,1,2,2-Tetrachloroethane	0.42	U	0.23	2.8
n-Propylbenzene	1.1	U	1.1	2.8
4-Ethyltoluene	0.42	U	0.25	2.8
1,3,5-Trimethylbenzene	0.42	U	0.17	2.8
2-Chlorotoluene	0.42	U	0.18	2.8
tert-Butylbenzene	0.42	U	0.24	2.8
1,2,4-Trimethylbenzene	0.42	U	0.20	2.8
sec-Butylbenzene	1.1	U	1.1	2.8
4-Isopropyltoluene	1.1	U	1.1	2.8
1,3-Dichlorobenzene	0.42	U	0.20	2.8
1,4-Dichlorobenzene	0.42	U	0.20	2.8
Benzyl chloride	1.1	U	1.1	2.8
n-Butylbenzene	1.1	U	1.1	2.8
1,2-Dichlorobenzene	0.42	U	0.20	2.8
1,2,4-Trichlorobenzene	1.1	U	0.38	7.1
Hexachlorobutadiene	1.1	U	0.31	2.8
Naphthalene	2.8	U	2.8	7.1

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
Dichlorodifluoromethane	2.8	J D	2.1	35
Freon 22	1100	D	2.4	25
1,2-Dichlorotetrafluoroethane	7.9	U	3.4	20
Chloromethane	15	U	4.0	15
n-Butane	17	U	9.5	17
Vinyl chloride	2.9	U	1.4	7.2
1,3-Butadiene	2.5	U	1.3	6.2
Bromomethane	4.4	U	1.5	11
Chloroethane	3.0	U	1.1	19
Bromoethene(Vinyl Bromide)	4.9	U	1.9	12
Trichlorofluoromethane	15	J D	2.4	16
Freon TF	3.2	U	1.9	22
1,1-Dichloroethene	4.5	U	1.3	11
Acetone	84	U	42	170
Isopropyl alcohol	9.0	J D	7.5	170
Carbon disulfide	8.8	U	2.9	22

Client: FPM Remediations Inc

Job Number: 280-58003-1

Client Sample ID: **774VMP0101KA**

Lab Sample ID: 280-58003-1
Client Matrix: Air

Date Sampled: 07/17/2014 0915
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75517	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8801_008.d
Dilution:	14.1			Initial Weight/Volume:	27 mL
Analysis Date:	07/31/2014 1709			Final Weight/Volume:	200 mL
Prep Date:	07/31/2014 1709			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
3-Chloropropene	3.5	U	1.5	22
Methylene Chloride	9.8	U	6.1	24
tert-Butyl alcohol	21	U	14	210
Methyl tert-butyl ether	4.1	U	1.1	10
trans-1,2-Dichloroethene	4.5	U	1.6	11
n-Hexane	4.0	U	1.7	9.9
1,1-Dichloroethane	4.6	U	2.2	11
Methyl Ethyl Ketone	21	U	10	21
cis-1,2-Dichloroethene	4.5	U	2.1	11
1,2-Dichloroethene, Total	4.5	U	3.6	11
Chloroform	5.5	U	1.7	14
Tetrahydrofuran	3.3	U	1.9	210
1,1,1-Trichloroethane	6.2	U	1.6	15
Cyclohexane	3.9	U	1.2	9.7
Carbon tetrachloride	7.1	U	1.9	18
2,2,4-Trimethylpentane	5.3	U	1.8	13
Benzene	1.4	U	0.86	9.0
1,2-Dichloroethane	1.7	U	0.97	11
n-Heptane	4.6	U	2.7	12
Trichloroethene	6.1	U	1.8	15
Methyl methacrylate	4.6	U	1.7	29
1,2-Dichloropropane	5.2	U	2.1	13
1,4-Dioxane	10	U	10	250
Bromodichloromethane	2.8	U	1.6	19
cis-1,3-Dichloropropene	5.1	U	1.8	13
methyl isobutyl ketone	4.6	U	1.6	29
Toluene	1.4	J D	0.90	11
trans-1,3-Dichloropropene	5.1	U	1.4	13
1,1,2-Trichloroethane	2.3	U	1.3	15
Tetrachloroethene	2.9	U	1.5	19
Methyl Butyl Ketone (2-Hexanone)	12	U	12	29
Dibromochloromethane	3.6	U	2.4	24
1,2-Dibromoethane	8.7	U	2.2	22
Chlorobenzene	1.9	U	0.53	13
Ethylbenzene	1.8	U	0.80	12
m,p-Xylene	4.9	U	1.4	31
Xylene, o-	1.8	U	0.98	12
Xylene (total)	4.9	U	2.1	12
Styrene	1.8	U	1.1	12
Bromoform	4.4	U	1.5	29
Cumene	2.1	U	1.1	14
1,1,2,2-Tetrachloroethane	2.9	U	1.5	19
n-Propylbenzene	5.5	U	5.5	14
4-Ethyltoluene	2.1	U	1.2	14
1,3,5-Trimethylbenzene	2.1	U	0.83	14
2-Chlorotoluene	2.2	U	0.95	15

Client: FPM Remediations Inc

Job Number: 280-58003-1

Client Sample ID: **774VMP0101KA**

Lab Sample ID: 280-58003-1
Client Matrix: Air

Date Sampled: 07/17/2014 0915
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75517	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8801_008.d
Dilution:	14.1			Initial Weight/Volume:	27 mL
Analysis Date:	07/31/2014 1709			Final Weight/Volume:	200 mL
Prep Date:	07/31/2014 1709			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
tert-Butylbenzene	2.3	U	1.3	15
1,2,4-Trimethylbenzene	2.1	U	0.97	14
sec-Butylbenzene	6.2	U	6.2	15
4-Isopropyltoluene	6.2	U	6.2	15
1,3-Dichlorobenzene	2.5	U	1.2	17
1,4-Dichlorobenzene	2.5	U	1.2	17
Benzyl chloride	5.8	U	5.8	15
n-Butylbenzene	6.2	U	6.2	15
1,2-Dichlorobenzene	2.5	U	1.2	17
1,2,4-Trichlorobenzene	8.4	U	2.8	52
Hexachlorobutadiene	12	U	3.3	30
Naphthalene	15	U	15	37

Client: FPM Remediations Inc

Job Number: 280-58003-1

Client Sample ID: **774VMP0201KA**

Lab Sample ID: 280-58003-2
Client Matrix: Air

Date Sampled: 07/17/2014 0925
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75517	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8801_009.d
Dilution:	18.3			Initial Weight/Volume:	24 mL
Analysis Date:	07/31/2014 1758			Final Weight/Volume:	200 mL
Prep Date:	07/31/2014 1758			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	1.5	U	0.55	9.2
Freon 22	380	D	0.88	9.2
1,2-Dichlorotetrafluoroethane	1.5	U	0.64	3.7
Chloromethane	9.2	U	2.5	9.2
n-Butane	9.2	U	5.2	9.2
Vinyl chloride	1.5	U	0.70	3.7
1,3-Butadiene	1.5	U	0.77	3.7
Bromomethane	1.5	U	0.51	3.7
Chloroethane	1.5	U	0.55	9.2
Bromoethene(Vinyl Bromide)	1.5	U	0.55	3.7
Trichlorofluoromethane	2.6	J D	0.55	3.7
Freon TF	0.55	U	0.33	3.7
1,1-Dichloroethene	1.5	U	0.44	3.7
Acetone	46	U	23	92
Isopropyl alcohol	4.7	J D	3.9	92
Carbon disulfide	3.7	U	1.2	9.2
3-Chloropropene	1.5	U	0.62	9.2
Methylene Chloride	3.7	U	2.3	9.2
tert-Butyl alcohol	9.2	U	6.0	92
Methyl tert-butyl ether	1.5	U	0.40	3.7
trans-1,2-Dichloroethene	1.5	U	0.53	3.7
n-Hexane	1.5	U	0.62	3.7
1,1-Dichloroethane	1.5	U	0.70	3.7
Methyl Ethyl Ketone	9.2	U	4.4	9.2
cis-1,2-Dichloroethene	1.5	U	0.70	3.7
1,2-Dichloroethene, Total	1.5	U	1.2	3.7
Chloroform	1.5	U	0.46	3.7
Tetrahydrofuran	1.5	U	0.84	92
1,1,1-Trichloroethane	1.5	U	0.38	3.7
Cyclohexane	1.5	U	0.46	3.7
Carbon tetrachloride	1.5	U	0.38	3.7
2,2,4-Trimethylpentane	1.5	U	0.49	3.7
Benzene	0.55	U	0.35	3.7
1,2-Dichloroethane	0.55	U	0.31	3.7
n-Heptane	1.5	U	0.84	3.7
Trichloroethene	1.5	U	0.44	3.7
Methyl methacrylate	1.5	U	0.55	9.2
1,2-Dichloropropane	1.5	U	0.59	3.7
1,4-Dioxane	3.7	U	3.7	92
Bromodichloromethane	0.55	U	0.31	3.7
cis-1,3-Dichloropropene	1.5	U	0.51	3.7
methyl isobutyl ketone	1.5	U	0.49	9.2
Toluene	0.55	U	0.31	3.7
trans-1,3-Dichloropropene	1.5	U	0.40	3.7
1,1,2-Trichloroethane	0.55	U	0.31	3.7
Tetrachloroethene	0.55	U	0.29	3.7

Client: FPM Remediations Inc

Job Number: 280-58003-1

Client Sample ID: **774VMP0201KA**

Lab Sample ID: 280-58003-2
Client Matrix: Air

Date Sampled: 07/17/2014 0925
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75517	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8801_009.d
Dilution:	18.3			Initial Weight/Volume:	24 mL
Analysis Date:	07/31/2014 1758			Final Weight/Volume:	200 mL
Prep Date:	07/31/2014 1758			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Methyl Butyl Ketone (2-Hexanone)	3.7	U	3.7	9.2
Dibromochloromethane	0.55	U	0.37	3.7
1,2-Dibromoethane	1.5	U	0.37	3.7
Chlorobenzene	0.55	U	0.15	3.7
Ethylbenzene	0.55	U	0.24	3.7
m,p-Xylene	1.5	U	0.42	9.2
Xylene, o-	0.55	U	0.29	3.7
Xylene (total)	1.5	U	0.62	3.7
Styrene	0.55	U	0.33	3.7
Bromoform	0.55	U	0.18	3.7
Cumene	0.55	U	0.29	3.7
1,1,2,2-Tetrachloroethane	0.55	U	0.29	3.7
n-Propylbenzene	1.5	U	1.5	3.7
4-Ethyltoluene	0.55	U	0.33	3.7
1,3,5-Trimethylbenzene	0.55	U	0.22	3.7
2-Chlorotoluene	0.55	U	0.24	3.7
tert-Butylbenzene	0.55	U	0.31	3.7
1,2,4-Trimethylbenzene	0.55	U	0.26	3.7
sec-Butylbenzene	1.5	U	1.5	3.7
4-Isopropyltoluene	1.5	U	1.5	3.7
1,3-Dichlorobenzene	0.55	U	0.26	3.7
1,4-Dichlorobenzene	0.55	U	0.26	3.7
Benzyl chloride	1.5	U	1.5	3.7
n-Butylbenzene	1.5	U	1.5	3.7
1,2-Dichlorobenzene	0.55	U	0.26	3.7
1,2,4-Trichlorobenzene	1.5	U	0.49	9.2
Hexachlorobutadiene	1.5	U	0.40	3.7
Naphthalene	3.7	U	3.7	9.2

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
Dichlorodifluoromethane	7.2	U	2.7	45
Freon 22	1300	D	3.1	32
1,2-Dichlorotetrafluoroethane	10	U	4.5	26
Chloromethane	19	U	5.1	19
n-Butane	22	U	12	22
Vinyl chloride	3.7	U	1.8	9.4
1,3-Butadiene	3.2	U	1.7	8.1
Bromomethane	5.7	U	2.0	14
Chloroethane	3.9	U	1.4	24
Bromoethene(Vinyl Bromide)	6.4	U	2.4	16
Trichlorofluoromethane	14	J D	3.1	21
Freon TF	4.2	U	2.5	28
1,1-Dichloroethene	5.8	U	1.7	15
Acetone	110	U	54	220
Isopropyl alcohol	12	J D	9.7	220
Carbon disulfide	11	U	3.8	28

Client: FPM Remediations Inc

Job Number: 280-58003-1

Client Sample ID: **774VMP0201KA**

Lab Sample ID: 280-58003-2
Client Matrix: Air

Date Sampled: 07/17/2014 0925
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75517	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8801_009.d
Dilution:	18.3			Initial Weight/Volume:	24 mL
Analysis Date:	07/31/2014 1758			Final Weight/Volume:	200 mL
Prep Date:	07/31/2014 1758			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
3-Chloropropene	4.6	U	1.9	29
Methylene Chloride	13	U	7.9	32
tert-Butyl alcohol	28	U	18	280
Methyl tert-butyl ether	5.3	U	1.5	13
trans-1,2-Dichloroethene	5.8	U	2.1	15
n-Hexane	5.2	U	2.2	13
1,1-Dichloroethane	5.9	U	2.8	15
Methyl Ethyl Ketone	27	U	13	27
cis-1,2-Dichloroethene	5.8	U	2.8	15
1,2-Dichloroethene, Total	5.8	U	4.6	15
Chloroform	7.1	U	2.2	18
Tetrahydrofuran	4.3	U	2.5	270
1,1,1-Trichloroethane	8.0	U	2.1	20
Cyclohexane	5.0	U	1.6	13
Carbon tetrachloride	9.2	U	2.4	23
2,2,4-Trimethylpentane	6.8	U	2.3	17
Benzene	1.8	U	1.1	12
1,2-Dichloroethane	2.2	U	1.3	15
n-Heptane	6.0	U	3.5	15
Trichloroethene	7.9	U	2.4	20
Methyl methacrylate	6.0	U	2.2	37
1,2-Dichloropropane	6.8	U	2.7	17
1,4-Dioxane	13	U	13	330
Bromodichloromethane	3.7	U	2.1	25
cis-1,3-Dichloropropene	6.6	U	2.3	17
methyl isobutyl ketone	6.0	U	2.0	37
Toluene	2.1	U	1.2	14
trans-1,3-Dichloropropene	6.6	U	1.8	17
1,1,2-Trichloroethane	3.0	U	1.7	20
Tetrachloroethene	3.7	U	2.0	25
Methyl Butyl Ketone (2-Hexanone)	15	U	15	37
Dibromochloromethane	4.7	U	3.1	31
1,2-Dibromoethane	11	U	2.8	28
Chlorobenzene	2.5	U	0.68	17
Ethylbenzene	2.4	U	1.0	16
m,p-Xylene	6.4	U	1.8	40
Xylene, o-	2.4	U	1.3	16
Xylene (total)	6.4	U	2.7	16
Styrene	2.3	U	1.4	16
Bromoform	5.7	U	1.9	38
Cumene	2.7	U	1.4	18
1,1,2,2-Tetrachloroethane	3.8	U	2.0	25
n-Propylbenzene	7.2	U	7.2	18
4-Ethyltoluene	2.7	U	1.6	18
1,3,5-Trimethylbenzene	2.7	U	1.1	18
2-Chlorotoluene	2.8	U	1.2	19

Client: FPM Remediations Inc

Job Number: 280-58003-1

Client Sample ID: **774VMP0201KA**

Lab Sample ID: 280-58003-2
Client Matrix: Air

Date Sampled: 07/17/2014 0925
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75517	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8801_009.d
Dilution:	18.3			Initial Weight/Volume:	24 mL
Analysis Date:	07/31/2014 1758			Final Weight/Volume:	200 mL
Prep Date:	07/31/2014 1758			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
tert-Butylbenzene	3.0	U	1.7	20
1,2,4-Trimethylbenzene	2.7	U	1.3	18
sec-Butylbenzene	8.0	U	8.0	20
4-Isopropyltoluene	8.0	U	8.0	20
1,3-Dichlorobenzene	3.3	U	1.5	22
1,4-Dichlorobenzene	3.3	U	1.5	22
Benzyl chloride	7.6	U	7.6	19
n-Butylbenzene	8.0	U	8.0	20
1,2-Dichlorobenzene	3.3	U	1.5	22
1,2,4-Trichlorobenzene	11	U	3.7	68
Hexachlorobutadiene	16	U	4.3	39
Naphthalene	19	U	19	48

Client: FPM Remediations Inc

Job Number: 280-58003-1

Client Sample ID: **774VMP0301KA**

Lab Sample ID: 280-58003-3
Client Matrix: Air

Date Sampled: 07/17/2014 0935
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75517	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8801_010.d
Dilution:	41			Initial Weight/Volume:	50 mL
Analysis Date:	07/31/2014 1846			Final Weight/Volume:	200 mL
Prep Date:	07/31/2014 1846			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	4.8	J D	1.2	21
Freon 22	1100	D	2.0	21
1,2-Dichlorotetrafluoroethane	3.3	U	1.4	8.2
Chloromethane	21	U	5.6	21
n-Butane	21	U	12	21
Vinyl chloride	3.3	U	1.6	8.2
1,3-Butadiene	3.3	U	1.7	8.2
Bromomethane	3.3	U	1.1	8.2
Chloroethane	3.3	U	1.2	21
Bromoethene(Vinyl Bromide)	3.3	U	1.2	8.2
Trichlorofluoromethane	66	D	1.2	8.2
Freon TF	1.2	U	0.74	8.2
1,1-Dichloroethene	3.3	U	0.98	8.2
Acetone	73	J D	51	210
Isopropyl alcohol	46	J D	8.8	210
Carbon disulfide	8.2	U	2.7	21
3-Chloropropene	3.3	U	1.4	21
Methylene Chloride	8.2	U	5.1	21
tert-Butyl alcohol	21	U	13	210
Methyl tert-butyl ether	3.3	U	0.90	8.2
trans-1,2-Dichloroethene	3.3	U	1.2	8.2
n-Hexane	3.3	U	1.4	8.2
1,1-Dichloroethane	3.3	U	1.6	8.2
Methyl Ethyl Ketone	21	U	9.9	21
cis-1,2-Dichloroethene	3.3	U	1.6	8.2
1,2-Dichloroethene, Total	3.3	U	2.6	8.2
Chloroform	3.3	U	1.0	8.2
Tetrahydrofuran	3.3	U	1.9	210
1,1,1-Trichloroethane	3.3	U	0.86	8.2
Cyclohexane	3.6	J D M	1.0	8.2
Carbon tetrachloride	3.3	U	0.86	8.2
2,2,4-Trimethylpentane	3.3	U	1.1	8.2
Benzene	1.8	J D	0.78	8.2
1,2-Dichloroethane	1.2	U	0.70	8.2
n-Heptane	3.3	U	1.9	8.2
Trichloroethene	1.7	J D M	0.98	8.2
Methyl methacrylate	3.3	U	1.2	21
1,2-Dichloropropane	3.3	U	1.3	8.2
1,4-Dioxane	8.2	U	8.2	210
Bromodichloromethane	1.2	U	0.70	8.2
cis-1,3-Dichloropropene	3.3	U	1.1	8.2
methyl isobutyl ketone	3.3	U	1.1	21
Toluene	2.3	J D	0.70	8.2
trans-1,3-Dichloropropene	3.3	U	0.90	8.2
1,1,2-Trichloroethane	1.2	U	0.70	8.2
Tetrachloroethene	1.2	U	0.66	8.2

Client: FPM Remediations Inc

Job Number: 280-58003-1

Client Sample ID: **774VMP0301KA**

Lab Sample ID: 280-58003-3
Client Matrix: Air

Date Sampled: 07/17/2014 0935
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75517	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8801_010.d
Dilution:	41			Initial Weight/Volume:	50 mL
Analysis Date:	07/31/2014 1846			Final Weight/Volume:	200 mL
Prep Date:	07/31/2014 1846			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Methyl Butyl Ketone (2-Hexanone)	8.2	U	8.2	21
Dibromochloromethane	1.2	U	0.82	8.2
1,2-Dibromoethane	3.3	U	0.82	8.2
Chlorobenzene	1.2	U	0.33	8.2
Ethylbenzene	0.58	J D M	0.53	8.2
m,p-Xylene	1.3	J D	0.94	21
Xylene, o-	1.2	U	0.66	8.2
Xylene (total)	3.3	U	1.4	8.2
Styrene	1.2	J D	0.74	8.2
Bromoform	1.2	U	0.41	8.2
Cumene	1.2	U	0.66	8.2
1,1,2,2-Tetrachloroethane	1.2	U	0.66	8.2
n-Propylbenzene	3.3	U	3.3	8.2
4-Ethyltoluene	1.2	U	0.74	8.2
1,3,5-Trimethylbenzene	1.2	U	0.49	8.2
2-Chlorotoluene	1.2	U	0.53	8.2
tert-Butylbenzene	1.2	U	0.70	8.2
1,2,4-Trimethylbenzene	1.2	U	0.57	8.2
sec-Butylbenzene	3.3	U	3.3	8.2
4-Isopropyltoluene	3.3	U	3.3	8.2
1,3-Dichlorobenzene	1.2	U	0.57	8.2
1,4-Dichlorobenzene	1.2	U	0.57	8.2
Benzyl chloride	3.3	U	3.3	8.2
n-Butylbenzene	3.3	U	3.3	8.2
1,2-Dichlorobenzene	1.2	U	0.57	8.2
1,2,4-Trichlorobenzene	3.3	U	1.1	21
Hexachlorobutadiene	3.3	U	0.90	8.2
Naphthalene	8.2	U	8.2	21

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
Dichlorodifluoromethane	24	J D	6.1	100
Freon 22	4000	D	7.0	73
1,2-Dichlorotetrafluoroethane	23	U	10	57
Chloromethane	42	U	12	42
n-Butane	49	U	27	49
Vinyl chloride	8.4	U	4.0	21
1,3-Butadiene	7.3	U	3.8	18
Bromomethane	13	U	4.5	32
Chloroethane	8.7	U	3.2	54
Bromoethene(Vinyl Bromide)	14	U	5.4	36
Trichlorofluoromethane	370	D	6.9	46
Freon TF	9.4	U	5.7	63
1,1-Dichloroethene	13	U	3.9	33
Acetone	170	J D	120	490
Isopropyl alcohol	110	J D	22	500
Carbon disulfide	26	U	8.4	64

Client: FPM Remediations Inc

Job Number: 280-58003-1

Client Sample ID: **774VMP0301KA**

Lab Sample ID: 280-58003-3
Client Matrix: Air

Date Sampled: 07/17/2014 0935
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75517	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8801_010.d
Dilution:	41			Initial Weight/Volume:	50 mL
Analysis Date:	07/31/2014 1846			Final Weight/Volume:	200 mL
Prep Date:	07/31/2014 1846			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
3-Chloropropene	10	U	4.4	64
Methylene Chloride	28	U	18	71
tert-Butyl alcohol	62	U	41	620
Methyl tert-butyl ether	12	U	3.3	30
trans-1,2-Dichloroethene	13	U	4.7	33
n-Hexane	12	U	4.9	29
1,1-Dichloroethane	13	U	6.3	33
Methyl Ethyl Ketone	60	U	29	60
cis-1,2-Dichloroethene	13	U	6.2	33
1,2-Dichloroethene, Total	13	U	10	33
Chloroform	16	U	5.0	40
Tetrahydrofuran	9.7	U	5.6	600
1,1,1-Trichloroethane	18	U	4.7	45
Cyclohexane	12	J D M	3.5	28
Carbon tetrachloride	21	U	5.4	52
2,2,4-Trimethylpentane	15	U	5.2	38
Benzene	5.8	J D	2.5	26
1,2-Dichloroethane	5.0	U	2.8	33
n-Heptane	13	U	7.7	34
Trichloroethene	9.2	J D M	5.3	44
Methyl methacrylate	13	U	5.0	84
1,2-Dichloropropane	15	U	6.1	38
1,4-Dioxane	30	U	30	740
Bromodichloromethane	8.2	U	4.7	55
cis-1,3-Dichloropropene	15	U	5.2	37
methyl isobutyl ketone	13	U	4.5	84
Toluene	8.6	J D	2.6	31
trans-1,3-Dichloropropene	15	U	4.1	37
1,1,2-Trichloroethane	6.7	U	3.8	45
Tetrachloroethene	8.3	U	4.4	56
Methyl Butyl Ketone (2-Hexanone)	34	U	34	84
Dibromochloromethane	10	U	7.0	70
1,2-Dibromoethane	25	U	6.3	63
Chlorobenzene	5.7	U	1.5	38
Ethylbenzene	2.5	J D M	2.3	36
m,p-Xylene	5.6	J D	4.1	89
Xylene, o-	5.3	U	2.8	36
Xylene (total)	14	U	6.1	36
Styrene	5.0	J D	3.1	35
Bromoform	13	U	4.2	85
Cumene	6.0	U	3.2	40
1,1,2,2-Tetrachloroethane	8.4	U	4.5	56
n-Propylbenzene	16	U	16	40
4-Ethyltoluene	6.0	U	3.6	40
1,3,5-Trimethylbenzene	6.0	U	2.4	40
2-Chlorotoluene	6.4	U	2.8	42

Client: FPM Remediations Inc

Job Number: 280-58003-1

Client Sample ID: **774VMP0301KA**

Lab Sample ID: 280-58003-3
Client Matrix: Air

Date Sampled: 07/17/2014 0935
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75517	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8801_010.d
Dilution:	41			Initial Weight/Volume:	50 mL
Analysis Date:	07/31/2014 1846			Final Weight/Volume:	200 mL
Prep Date:	07/31/2014 1846			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
tert-Butylbenzene	6.8	U	3.8	45
1,2,4-Trimethylbenzene	6.0	U	2.8	40
sec-Butylbenzene	18	U	18	45
4-Isopropyltoluene	18	U	18	45
1,3-Dichlorobenzene	7.4	U	3.5	49
1,4-Dichlorobenzene	7.4	U	3.5	49
Benzyl chloride	17	U	17	42
n-Butylbenzene	18	U	18	45
1,2-Dichlorobenzene	7.4	U	3.5	49
1,2,4-Trichlorobenzene	24	U	8.2	150
Hexachlorobutadiene	35	U	9.6	87
Naphthalene	43	U	43	110

Client: FPM Remediations Inc

Job Number: 280-58003-1

Client Sample ID: **776VMP0201KC**

Lab Sample ID: 280-58003-4
Client Matrix: Air

Date Sampled: 07/17/2014 1150
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75517	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8801_011.d
Dilution:	2.0			Initial Weight/Volume:	100 mL
Analysis Date:	07/31/2014 1934			Final Weight/Volume:	200 mL
Prep Date:	07/31/2014 1934			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	0.61	J D	0.060	1.0
Freon 22	49	D	0.096	1.0
1,2-Dichlorotetrafluoroethane	0.16	U	0.070	0.40
Chloromethane	0.63	J D	0.27	1.0
n-Butane	0.63	J D	0.56	1.0
Vinyl chloride	0.16	U	0.076	0.40
1,3-Butadiene	0.16	U	0.084	0.40
Bromomethane	0.16	U	0.056	0.40
Chloroethane	0.16	U	0.060	1.0
Bromoethene(Vinyl Bromide)	0.16	U	0.060	0.40
Trichlorofluoromethane	0.27	J D	0.060	0.40
Freon TF	0.087	J D	0.036	0.40
1,1-Dichloroethene	0.16	U	0.048	0.40
Acetone	16	D	2.5	10
Isopropyl alcohol	19	D	0.43	10
Carbon disulfide	0.40	U	0.13	1.0
3-Chloropropene	0.16	U	0.068	1.0
Methylene Chloride	0.40	U	0.25	1.0
tert-Butyl alcohol	1.6	J D	0.66	10
Methyl tert-butyl ether	0.087	J D	0.044	0.40
trans-1,2-Dichloroethene	0.16	U	0.058	0.40
n-Hexane	0.22	J D	0.068	0.40
1,1-Dichloroethane	0.16	U	0.076	0.40
Methyl Ethyl Ketone	2.4	D	0.48	1.0
cis-1,2-Dichloroethene	0.16	U	0.076	0.40
1,2-Dichloroethene, Total	0.16	U	0.13	0.40
Chloroform	0.068	J D	0.050	0.40
Tetrahydrofuran	0.16	U	0.092	10
1,1,1-Trichloroethane	0.16	U	0.042	0.40
Cyclohexane	0.36	J D	0.050	0.40
Carbon tetrachloride	0.16	U	0.042	0.40
2,2,4-Trimethylpentane	0.13	J D	0.054	0.40
Benzene	0.19	J D	0.038	0.40
1,2-Dichloroethane	0.060	U	0.034	0.40
n-Heptane	0.17	J D	0.092	0.40
Trichloroethene	0.21	J D	0.048	0.40
Methyl methacrylate	0.17	J D	0.060	1.0
1,2-Dichloropropane	0.16	U	0.064	0.40
1,4-Dioxane	0.40	U	0.40	10
Bromodichloromethane	0.060	U	0.034	0.40
cis-1,3-Dichloropropene	0.16	U	0.056	0.40
methyl isobutyl ketone	0.28	J D	0.054	1.0
Toluene	1.1	D	0.034	0.40
trans-1,3-Dichloropropene	0.16	U	0.044	0.40
1,1,2-Trichloroethane	0.060	U	0.034	0.40
Tetrachloroethene	0.060	U	0.032	0.40

Client: FPM Remediations Inc

Job Number: 280-58003-1

Client Sample ID: **776VMP0201KC**

Lab Sample ID: 280-58003-4
Client Matrix: Air

Date Sampled: 07/17/2014 1150
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75517	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8801_011.d
Dilution:	2.0			Initial Weight/Volume:	100 mL
Analysis Date:	07/31/2014 1934			Final Weight/Volume:	200 mL
Prep Date:	07/31/2014 1934			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Methyl Butyl Ketone (2-Hexanone)	0.40	U	0.40	1.0
Dibromochloromethane	0.060	U	0.040	0.40
1,2-Dibromoethane	0.16	U	0.040	0.40
Chlorobenzene	0.060	U	0.016	0.40
Ethylbenzene	0.44	D	0.026	0.40
m,p-Xylene	1.2	D	0.046	1.0
Xylene, o-	0.43	D	0.032	0.40
Xylene (total)	1.6		0.068	0.40
Styrene	0.33	J D	0.036	0.40
Bromoform	0.060	U	0.020	0.40
Cumene	0.068	J D	0.032	0.40
1,1,2,2-Tetrachloroethane	0.060	U	0.032	0.40
n-Propylbenzene	0.16	U	0.16	0.40
4-Ethyltoluene	0.14	J D	0.036	0.40
1,3,5-Trimethylbenzene	0.14	J D	0.024	0.40
2-Chlorotoluene	0.060	U	0.026	0.40
tert-Butylbenzene	0.060	U	0.034	0.40
1,2,4-Trimethylbenzene	0.47	D	0.028	0.40
sec-Butylbenzene	0.16	U	0.16	0.40
4-Isopropyltoluene	0.16	U	0.16	0.40
1,3-Dichlorobenzene	1.0	D	0.028	0.40
1,4-Dichlorobenzene	0.060	U	0.028	0.40
Benzyl chloride	0.16	U	0.16	0.40
n-Butylbenzene	0.16	U	0.16	0.40
1,2-Dichlorobenzene	0.060	U	0.028	0.40
1,2,4-Trichlorobenzene	0.16	U	0.054	1.0
Hexachlorobutadiene	0.16	U	0.044	0.40
Naphthalene	0.40	U	0.40	1.0

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
Dichlorodifluoromethane	3.0	J D	0.30	4.9
Freon 22	170	D	0.34	3.5
1,2-Dichlorotetrafluoroethane	1.1	U	0.49	2.8
Chloromethane	1.3	J D	0.56	2.1
n-Butane	1.5	J D	1.3	2.4
Vinyl chloride	0.41	U	0.19	1.0
1,3-Butadiene	0.35	U	0.19	0.88
Bromomethane	0.62	U	0.22	1.6
Chloroethane	0.42	U	0.16	2.6
Bromoethene(Vinyl Bromide)	0.70	U	0.26	1.7
Trichlorofluoromethane	1.5	J D	0.34	2.2
Freon TF	0.67	J D	0.28	3.1
1,1-Dichloroethene	0.63	U	0.19	1.6
Acetone	38	D	5.9	24
Isopropyl alcohol	47	D	1.1	25
Carbon disulfide	1.2	U	0.41	3.1

Client: FPM Remediations Inc

Job Number: 280-58003-1

Client Sample ID: **776VMP0201KC**

Lab Sample ID: 280-58003-4
Client Matrix: Air

Date Sampled: 07/17/2014 1150
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75517	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8801_011.d
Dilution:	2.0			Initial Weight/Volume:	100 mL
Analysis Date:	07/31/2014 1934			Final Weight/Volume:	200 mL
Prep Date:	07/31/2014 1934			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
3-Chloropropene	0.50	U	0.21	3.1
Methylene Chloride	1.4	U	0.87	3.5
tert-Butyl alcohol	5.0	J D	2.0	30
Methyl tert-butyl ether	0.32	J D	0.16	1.4
trans-1,2-Dichloroethene	0.63	U	0.23	1.6
n-Hexane	0.79	J D	0.24	1.4
1,1-Dichloroethane	0.65	U	0.31	1.6
Methyl Ethyl Ketone	7.0	D	1.4	2.9
cis-1,2-Dichloroethene	0.63	U	0.30	1.6
1,2-Dichloroethene, Total	0.63	U	0.51	1.6
Chloroform	0.33	J D	0.24	2.0
Tetrahydrofuran	0.47	U	0.27	29
1,1,1-Trichloroethane	0.87	U	0.23	2.2
Cyclohexane	1.3	J D	0.17	1.4
Carbon tetrachloride	1.0	U	0.26	2.5
2,2,4-Trimethylpentane	0.61	J D	0.25	1.9
Benzene	0.60	J D	0.12	1.3
1,2-Dichloroethane	0.24	U	0.14	1.6
n-Heptane	0.69	J D	0.38	1.6
Trichloroethene	1.1	J D	0.26	2.1
Methyl methacrylate	0.71	J D	0.25	4.1
1,2-Dichloropropane	0.74	U	0.30	1.8
1,4-Dioxane	1.4	U	1.4	36
Bromodichloromethane	0.40	U	0.23	2.7
cis-1,3-Dichloropropene	0.73	U	0.25	1.8
methyl isobutyl ketone	1.2	J D	0.22	4.1
Toluene	4.2	D	0.13	1.5
trans-1,3-Dichloropropene	0.73	U	0.20	1.8
1,1,2-Trichloroethane	0.33	U	0.19	2.2
Tetrachloroethene	0.41	U	0.22	2.7
Methyl Butyl Ketone (2-Hexanone)	1.6	U	1.6	4.1
Dibromochloromethane	0.51	U	0.34	3.4
1,2-Dibromoethane	1.2	U	0.31	3.1
Chlorobenzene	0.28	U	0.075	1.8
Ethylbenzene	1.9	D	0.11	1.7
m,p-Xylene	5.1	D	0.20	4.3
Xylene, o-	1.9	D	0.14	1.7
Xylene (total)	7.1		0.30	1.7
Styrene	1.4	J D	0.15	1.7
Bromoform	0.62	U	0.21	4.1
Cumene	0.34	J D	0.16	2.0
1,1,2,2-Tetrachloroethane	0.41	U	0.22	2.7
n-Propylbenzene	0.79	U	0.79	2.0
4-Ethyltoluene	0.68	J D	0.18	2.0
1,3,5-Trimethylbenzene	0.68	J D	0.12	2.0
2-Chlorotoluene	0.31	U	0.13	2.1

Client: FPM Remediations Inc

Job Number: 280-58003-1

Client Sample ID: **776VMP0201KC**

Lab Sample ID: 280-58003-4
Client Matrix: Air

Date Sampled: 07/17/2014 1150
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75517	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8801_011.d
Dilution:	2.0			Initial Weight/Volume:	100 mL
Analysis Date:	07/31/2014 1934			Final Weight/Volume:	200 mL
Prep Date:	07/31/2014 1934			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
tert-Butylbenzene	0.33	U	0.19	2.2
1,2,4-Trimethylbenzene	2.3	D	0.14	2.0
sec-Butylbenzene	0.88	U	0.88	2.2
4-Isopropyltoluene	0.88	U	0.88	2.2
1,3-Dichlorobenzene	6.3	D	0.17	2.4
1,4-Dichlorobenzene	0.36	U	0.17	2.4
Benzyl chloride	0.83	U	0.83	2.1
n-Butylbenzene	0.88	U	0.88	2.2
1,2-Dichlorobenzene	0.36	U	0.17	2.4
1,2,4-Trichlorobenzene	1.2	U	0.40	7.4
Hexachlorobutadiene	1.7	U	0.47	4.3
Naphthalene	2.1	U	2.1	5.2

Client: FPM Remediations Inc

Job Number: 280-58003-1

Client Sample ID: **776VMP0101KA**

Lab Sample ID: 280-58003-5
Client Matrix: Air

Date Sampled: 07/17/2014 1200
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75517	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8801_012.d
Dilution:	1.6			Initial Weight/Volume:	125 mL
Analysis Date:	07/31/2014 2023			Final Weight/Volume:	200 mL
Prep Date:	07/31/2014 2023			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	0.55	J D	0.048	0.80
Freon 22	35	D	0.077	0.80
1,2-Dichlorotetrafluoroethane	0.13	U	0.056	0.32
Chloromethane	0.41	J D	0.22	0.80
n-Butane	0.80	U	0.45	0.80
Vinyl chloride	0.13	U	0.061	0.32
1,3-Butadiene	0.13	U	0.067	0.32
Bromomethane	0.13	U	0.045	0.32
Chloroethane	0.13	U	0.048	0.80
Bromoethene(Vinyl Bromide)	0.13	U	0.048	0.32
Trichlorofluoromethane	0.22	J D	0.048	0.32
Freon TF	0.082	J D	0.029	0.32
1,1-Dichloroethene	0.13	U	0.038	0.32
Acetone	10	D	2.0	8.0
Isopropyl alcohol	6.2	J D	0.34	8.0
Carbon disulfide	0.74	J D	0.11	0.80
3-Chloropropene	0.13	U	0.054	0.80
Methylene Chloride	0.32	U	0.20	0.80
tert-Butyl alcohol	0.80	U	0.52	8.0
Methyl tert-butyl ether	0.13	U	0.035	0.32
trans-1,2-Dichloroethene	0.13	U	0.046	0.32
n-Hexane	0.094	J D	0.054	0.32
1,1-Dichloroethane	0.13	U	0.061	0.32
Methyl Ethyl Ketone	1.4	D	0.39	0.80
cis-1,2-Dichloroethene	0.13	U	0.061	0.32
1,2-Dichloroethene, Total	0.13	U	0.10	0.32
Chloroform	0.050	J D	0.040	0.32
Tetrahydrofuran	0.13	U	0.074	8.0
1,1,1-Trichloroethane	0.13	U	0.034	0.32
Cyclohexane	0.31	J D	0.040	0.32
Carbon tetrachloride	0.074	J D	0.034	0.32
2,2,4-Trimethylpentane	0.13	U	0.043	0.32
Benzene	0.082	J D	0.030	0.32
1,2-Dichloroethane	0.048	U	0.027	0.32
n-Heptane	0.13	U	0.074	0.32
Trichloroethene	0.13	J D	0.038	0.32
Methyl methacrylate	0.13	U	0.048	0.80
1,2-Dichloropropane	0.13	U	0.051	0.32
1,4-Dioxane	0.32	U	0.32	8.0
Bromodichloromethane	0.048	U	0.027	0.32
cis-1,3-Dichloropropene	0.13	U	0.045	0.32
methyl isobutyl ketone	0.068	J D	0.043	0.80
Toluene	0.10	J D	0.027	0.32
trans-1,3-Dichloropropene	0.13	U	0.035	0.32
1,1,2-Trichloroethane	0.048	U	0.027	0.32
Tetrachloroethene	0.048	U	0.026	0.32

Client: FPM Remediations Inc

Job Number: 280-58003-1

Client Sample ID: **776VMP0101KA**

Lab Sample ID: 280-58003-5
Client Matrix: Air

Date Sampled: 07/17/2014 1200
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75517	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8801_012.d
Dilution:	1.6			Initial Weight/Volume:	125 mL
Analysis Date:	07/31/2014 2023			Final Weight/Volume:	200 mL
Prep Date:	07/31/2014 2023			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Methyl Butyl Ketone (2-Hexanone)	0.32	U	0.32	0.80
Dibromochloromethane	0.048	U	0.032	0.32
1,2-Dibromoethane	0.13	U	0.032	0.32
Chlorobenzene	0.048	U	0.013	0.32
Ethylbenzene	0.048	U	0.021	0.32
m,p-Xylene	0.13	U	0.037	0.80
Xylene, o-	0.048	U	0.026	0.32
Xylene (total)	0.13	U	0.054	0.32
Styrene	0.048	U	0.029	0.32
Bromoform	0.048	U	0.016	0.32
Cumene	0.048	U	0.026	0.32
1,1,2,2-Tetrachloroethane	0.048	U	0.026	0.32
n-Propylbenzene	0.13	U	0.13	0.32
4-Ethyltoluene	0.048	U	0.029	0.32
1,3,5-Trimethylbenzene	0.048	U	0.019	0.32
2-Chlorotoluene	0.048	U	0.021	0.32
tert-Butylbenzene	0.048	U	0.027	0.32
1,2,4-Trimethylbenzene	0.048	U	0.022	0.32
sec-Butylbenzene	0.13	U	0.13	0.32
4-Isopropyltoluene	0.13	U	0.13	0.32
1,3-Dichlorobenzene	0.048	U	0.022	0.32
1,4-Dichlorobenzene	0.048	U	0.022	0.32
Benzyl chloride	0.13	U	0.13	0.32
n-Butylbenzene	0.13	U	0.13	0.32
1,2-Dichlorobenzene	0.048	U	0.022	0.32
1,2,4-Trichlorobenzene	0.13	U	0.043	0.80
Hexachlorobutadiene	0.13	U	0.035	0.32
Naphthalene	0.32	U	0.32	0.80

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
Dichlorodifluoromethane	2.7	J D	0.24	4.0
Freon 22	130	D	0.27	2.8
1,2-Dichlorotetrafluoroethane	0.89	U	0.39	2.2
Chloromethane	0.85	J D	0.45	1.7
n-Butane	1.9	U	1.1	1.9
Vinyl chloride	0.33	U	0.16	0.82
1,3-Butadiene	0.28	U	0.15	0.71
Bromomethane	0.50	U	0.17	1.2
Chloroethane	0.34	U	0.13	2.1
Bromoethene(Vinyl Bromide)	0.56	U	0.21	1.4
Trichlorofluoromethane	1.2	J D	0.27	1.8
Freon TF	0.63	J D	0.22	2.5
1,1-Dichloroethene	0.51	U	0.15	1.3
Acetone	24	D	4.8	19
Isopropyl alcohol	15	J D	0.85	20
Carbon disulfide	2.3	J D	0.33	2.5

Client: FPM Remediations Inc

Job Number: 280-58003-1

Client Sample ID: **776VMP0101KA**

Lab Sample ID: 280-58003-5
Client Matrix: Air

Date Sampled: 07/17/2014 1200
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75517	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8801_012.d
Dilution:	1.6			Initial Weight/Volume:	125 mL
Analysis Date:	07/31/2014 2023			Final Weight/Volume:	200 mL
Prep Date:	07/31/2014 2023			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
3-Chloropropene	0.40	U	0.17	2.5
Methylene Chloride	1.1	U	0.69	2.8
tert-Butyl alcohol	2.4	U	1.6	24
Methyl tert-butyl ether	0.46	U	0.13	1.2
trans-1,2-Dichloroethene	0.51	U	0.18	1.3
n-Hexane	0.33	J D	0.19	1.1
1,1-Dichloroethane	0.52	U	0.25	1.3
Methyl Ethyl Ketone	4.0	D	1.1	2.4
cis-1,2-Dichloroethene	0.51	U	0.24	1.3
1,2-Dichloroethene, Total	0.51	U	0.41	1.3
Chloroform	0.25	J D	0.20	1.6
Tetrahydrofuran	0.38	U	0.22	24
1,1,1-Trichloroethane	0.70	U	0.18	1.7
Cyclohexane	1.1	J D	0.14	1.1
Carbon tetrachloride	0.47	J D	0.21	2.0
2,2,4-Trimethylpentane	0.60	U	0.20	1.5
Benzene	0.26	J D	0.097	1.0
1,2-Dichloroethane	0.19	U	0.11	1.3
n-Heptane	0.52	U	0.30	1.3
Trichloroethene	0.71	J D	0.21	1.7
Methyl methacrylate	0.52	U	0.20	3.3
1,2-Dichloropropane	0.59	U	0.24	1.5
1,4-Dioxane	1.2	U	1.2	29
Bromodichloromethane	0.32	U	0.18	2.1
cis-1,3-Dichloropropene	0.58	U	0.20	1.5
methyl isobutyl ketone	0.28	J D	0.18	3.3
Toluene	0.38	J D	0.10	1.2
trans-1,3-Dichloropropene	0.58	U	0.16	1.5
1,1,2-Trichloroethane	0.26	U	0.15	1.7
Tetrachloroethene	0.33	U	0.17	2.2
Methyl Butyl Ketone (2-Hexanone)	1.3	U	1.3	3.3
Dibromochloromethane	0.41	U	0.27	2.7
1,2-Dibromoethane	0.98	U	0.25	2.5
Chlorobenzene	0.22	U	0.060	1.5
Ethylbenzene	0.21	U	0.090	1.4
m,p-Xylene	0.56	U	0.16	3.5
Xylene, o-	0.21	U	0.11	1.4
Xylene (total)	0.56	U	0.24	1.4
Styrene	0.20	U	0.12	1.4
Bromoform	0.50	U	0.17	3.3
Cumene	0.24	U	0.13	1.6
1,1,2,2-Tetrachloroethane	0.33	U	0.18	2.2
n-Propylbenzene	0.63	U	0.63	1.6
4-Ethyltoluene	0.24	U	0.14	1.6
1,3,5-Trimethylbenzene	0.24	U	0.094	1.6
2-Chlorotoluene	0.25	U	0.11	1.7

Client: FPM Remediations Inc

Job Number: 280-58003-1

Client Sample ID: **776VMP0101KA**

Lab Sample ID: 280-58003-5
Client Matrix: Air

Date Sampled: 07/17/2014 1200
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75517	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8801_012.d
Dilution:	1.6			Initial Weight/Volume:	125 mL
Analysis Date:	07/31/2014 2023			Final Weight/Volume:	200 mL
Prep Date:	07/31/2014 2023			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
tert-Butylbenzene	0.26	U	0.15	1.8
1,2,4-Trimethylbenzene	0.24	U	0.11	1.6
sec-Butylbenzene	0.70	U	0.70	1.8
4-Isopropyltoluene	0.70	U	0.70	1.8
1,3-Dichlorobenzene	0.29	U	0.13	1.9
1,4-Dichlorobenzene	0.29	U	0.13	1.9
Benzyl chloride	0.66	U	0.66	1.7
n-Butylbenzene	0.70	U	0.70	1.8
1,2-Dichlorobenzene	0.29	U	0.13	1.9
1,2,4-Trichlorobenzene	0.95	U	0.32	5.9
Hexachlorobutadiene	1.4	U	0.38	3.4
Naphthalene	1.7	U	1.7	4.2

Client: FPM Remediations Inc

Job Number: 280-58003-1

Client Sample ID: **776VMP0201KA**

Lab Sample ID: 280-58003-6
Client Matrix: Air

Date Sampled: 07/17/2014 1150
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75517	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8801_013.d
Dilution:	2.0			Initial Weight/Volume:	100 mL
Analysis Date:	07/31/2014 2111			Final Weight/Volume:	200 mL
Prep Date:	07/31/2014 2111			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	0.60	J D	0.060	1.0
Freon 22	48	D	0.096	1.0
1,2-Dichlorotetrafluoroethane	0.16	U	0.070	0.40
Chloromethane	0.61	J D	0.27	1.0
n-Butane	0.67	J D	0.56	1.0
Vinyl chloride	0.16	U	0.076	0.40
1,3-Butadiene	0.16	U	0.084	0.40
Bromomethane	0.16	U	0.056	0.40
Chloroethane	0.16	U	0.060	1.0
Bromoethene(Vinyl Bromide)	0.16	U	0.060	0.40
Trichlorofluoromethane	0.26	J D	0.060	0.40
Freon TF	0.097	J D	0.036	0.40
1,1-Dichloroethene	0.16	U	0.048	0.40
Acetone	13	D	2.5	10
Isopropyl alcohol	19	D	0.43	10
Carbon disulfide	0.40	U	0.13	1.0
3-Chloropropene	0.16	U	0.068	1.0
Methylene Chloride	0.40	U	0.25	1.0
tert-Butyl alcohol	1.5	J D	0.66	10
Methyl tert-butyl ether	0.091	J D	0.044	0.40
trans-1,2-Dichloroethene	0.16	U	0.058	0.40
n-Hexane	0.21	J D	0.068	0.40
1,1-Dichloroethane	0.16	U	0.076	0.40
Methyl Ethyl Ketone	1.6	D	0.48	1.0
cis-1,2-Dichloroethene	0.16	U	0.076	0.40
1,2-Dichloroethene, Total	0.16	U	0.13	0.40
Chloroform	0.062	J D	0.050	0.40
Tetrahydrofuran	0.16	U	0.092	10
1,1,1-Trichloroethane	0.16	U	0.042	0.40
Cyclohexane	0.34	J D M	0.050	0.40
Carbon tetrachloride	0.16	U	0.042	0.40
2,2,4-Trimethylpentane	0.17	J D	0.054	0.40
Benzene	0.19	J D	0.038	0.40
1,2-Dichloroethane	0.060	U	0.034	0.40
n-Heptane	0.16	U	0.092	0.40
Trichloroethene	0.21	J D	0.048	0.40
Methyl methacrylate	0.18	J D	0.060	1.0
1,2-Dichloropropane	0.16	U	0.064	0.40
1,4-Dioxane	0.40	U	0.40	10
Bromodichloromethane	0.060	U	0.034	0.40
cis-1,3-Dichloropropene	0.16	U	0.056	0.40
methyl isobutyl ketone	0.23	J D	0.054	1.0
Toluene	1.3	D	0.034	0.40
trans-1,3-Dichloropropene	0.16	U	0.044	0.40
1,1,2-Trichloroethane	0.060	U	0.034	0.40
Tetrachloroethene	0.060	U	0.032	0.40

Client: FPM Remediations Inc

Job Number: 280-58003-1

Client Sample ID: **776VMP0201KA**

Lab Sample ID: 280-58003-6
Client Matrix: Air

Date Sampled: 07/17/2014 1150
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75517	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8801_013.d
Dilution:	2.0			Initial Weight/Volume:	100 mL
Analysis Date:	07/31/2014 2111			Final Weight/Volume:	200 mL
Prep Date:	07/31/2014 2111			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Methyl Butyl Ketone (2-Hexanone)	0.40	U	0.40	1.0
Dibromochloromethane	0.060	U	0.040	0.40
1,2-Dibromoethane	0.16	U	0.040	0.40
Chlorobenzene	0.060	U	0.016	0.40
Ethylbenzene	0.48	D	0.026	0.40
m,p-Xylene	1.3	D	0.046	1.0
Xylene, o-	0.48	D	0.032	0.40
Xylene (total)	1.8		0.068	0.40
Styrene	0.37	J D	0.036	0.40
Bromoform	0.060	U	0.020	0.40
Cumene	0.068	J D	0.032	0.40
1,1,2,2-Tetrachloroethane	0.060	U	0.032	0.40
n-Propylbenzene	0.16	U	0.16	0.40
4-Ethyltoluene	0.17	J D	0.036	0.40
1,3,5-Trimethylbenzene	0.15	J D	0.024	0.40
2-Chlorotoluene	0.060	U	0.026	0.40
tert-Butylbenzene	0.060	U	0.034	0.40
1,2,4-Trimethylbenzene	0.55	D	0.028	0.40
sec-Butylbenzene	0.16	U	0.16	0.40
4-Isopropyltoluene	0.16	U	0.16	0.40
1,3-Dichlorobenzene	1.3	D	0.028	0.40
1,4-Dichlorobenzene	0.060	U	0.028	0.40
Benzyl chloride	0.16	U	0.16	0.40
n-Butylbenzene	0.16	U	0.16	0.40
1,2-Dichlorobenzene	0.060	U	0.028	0.40
1,2,4-Trichlorobenzene	0.16	U	0.054	1.0
Hexachlorobutadiene	0.16	U	0.044	0.40
Naphthalene	0.40	U	0.40	1.0

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
Dichlorodifluoromethane	3.0	J D	0.30	4.9
Freon 22	170	D	0.34	3.5
1,2-Dichlorotetrafluoroethane	1.1	U	0.49	2.8
Chloromethane	1.3	J D	0.56	2.1
n-Butane	1.6	J D	1.3	2.4
Vinyl chloride	0.41	U	0.19	1.0
1,3-Butadiene	0.35	U	0.19	0.88
Bromomethane	0.62	U	0.22	1.6
Chloroethane	0.42	U	0.16	2.6
Bromoethene(Vinyl Bromide)	0.70	U	0.26	1.7
Trichlorofluoromethane	1.5	J D	0.34	2.2
Freon TF	0.74	J D	0.28	3.1
1,1-Dichloroethene	0.63	U	0.19	1.6
Acetone	32	D	5.9	24
Isopropyl alcohol	48	D	1.1	25
Carbon disulfide	1.2	U	0.41	3.1

Client: FPM Remediations Inc

Job Number: 280-58003-1

Client Sample ID: **776VMP0201KA**

Lab Sample ID: 280-58003-6
Client Matrix: Air

Date Sampled: 07/17/2014 1150
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75517	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8801_013.d
Dilution:	2.0			Initial Weight/Volume:	100 mL
Analysis Date:	07/31/2014 2111			Final Weight/Volume:	200 mL
Prep Date:	07/31/2014 2111			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
3-Chloropropene	0.50	U	0.21	3.1
Methylene Chloride	1.4	U	0.87	3.5
tert-Butyl alcohol	4.6	J D	2.0	30
Methyl tert-butyl ether	0.33	J D	0.16	1.4
trans-1,2-Dichloroethene	0.63	U	0.23	1.6
n-Hexane	0.73	J D	0.24	1.4
1,1-Dichloroethane	0.65	U	0.31	1.6
Methyl Ethyl Ketone	4.6	D	1.4	2.9
cis-1,2-Dichloroethene	0.63	U	0.30	1.6
1,2-Dichloroethene, Total	0.63	U	0.51	1.6
Chloroform	0.30	J D	0.24	2.0
Tetrahydrofuran	0.47	U	0.27	29
1,1,1-Trichloroethane	0.87	U	0.23	2.2
Cyclohexane	1.2	J D M	0.17	1.4
Carbon tetrachloride	1.0	U	0.26	2.5
2,2,4-Trimethylpentane	0.80	J D	0.25	1.9
Benzene	0.59	J D	0.12	1.3
1,2-Dichloroethane	0.24	U	0.14	1.6
n-Heptane	0.66	U	0.38	1.6
Trichloroethene	1.1	J D	0.26	2.1
Methyl methacrylate	0.74	J D	0.25	4.1
1,2-Dichloropropane	0.74	U	0.30	1.8
1,4-Dioxane	1.4	U	1.4	36
Bromodichloromethane	0.40	U	0.23	2.7
cis-1,3-Dichloropropene	0.73	U	0.25	1.8
methyl isobutyl ketone	0.93	J D	0.22	4.1
Toluene	4.8	D	0.13	1.5
trans-1,3-Dichloropropene	0.73	U	0.20	1.8
1,1,2-Trichloroethane	0.33	U	0.19	2.2
Tetrachloroethene	0.41	U	0.22	2.7
Methyl Butyl Ketone (2-Hexanone)	1.6	U	1.6	4.1
Dibromochloromethane	0.51	U	0.34	3.4
1,2-Dibromoethane	1.2	U	0.31	3.1
Chlorobenzene	0.28	U	0.075	1.8
Ethylbenzene	2.1	D	0.11	1.7
m,p-Xylene	5.8	D	0.20	4.3
Xylene, o-	2.1	D	0.14	1.7
Xylene (total)	7.7		0.30	1.7
Styrene	1.6	J D	0.15	1.7
Bromoform	0.62	U	0.21	4.1
Cumene	0.33	J D	0.16	2.0
1,1,2,2-Tetrachloroethane	0.41	U	0.22	2.7
n-Propylbenzene	0.79	U	0.79	2.0
4-Ethyltoluene	0.81	J D	0.18	2.0
1,3,5-Trimethylbenzene	0.74	J D	0.12	2.0
2-Chlorotoluene	0.31	U	0.13	2.1

Client: FPM Remediations Inc

Job Number: 280-58003-1

Client Sample ID: **776VMP0201KA**

Lab Sample ID: 280-58003-6
Client Matrix: Air

Date Sampled: 07/17/2014 1150
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75517	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8801_013.d
Dilution:	2.0			Initial Weight/Volume:	100 mL
Analysis Date:	07/31/2014 2111			Final Weight/Volume:	200 mL
Prep Date:	07/31/2014 2111			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
tert-Butylbenzene	0.33	U	0.19	2.2
1,2,4-Trimethylbenzene	2.7	D	0.14	2.0
sec-Butylbenzene	0.88	U	0.88	2.2
4-Isopropyltoluene	0.88	U	0.88	2.2
1,3-Dichlorobenzene	7.8	D	0.17	2.4
1,4-Dichlorobenzene	0.36	U	0.17	2.4
Benzyl chloride	0.83	U	0.83	2.1
n-Butylbenzene	0.88	U	0.88	2.2
1,2-Dichlorobenzene	0.36	U	0.17	2.4
1,2,4-Trichlorobenzene	1.2	U	0.40	7.4
Hexachlorobutadiene	1.7	U	0.47	4.3
Naphthalene	2.1	U	2.1	5.2

Client: FPM Remediations Inc

Job Number: 280-58003-1

Client Sample ID: **776VMP0301KA**

Lab Sample ID: 280-58003-7
Client Matrix: Air

Date Sampled: 07/17/2014 1210
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75517	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8801_014.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	07/31/2014 2202			Final Weight/Volume:	200 mL
Prep Date:	07/31/2014 2202			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	0.57		0.030	0.50
Freon 22	14		0.048	0.50
1,2-Dichlorotetrafluoroethane	0.080	U	0.035	0.20
Chloromethane	0.64		0.14	0.50
n-Butane	0.29	J	0.28	0.50
Vinyl chloride	0.080	U	0.038	0.20
1,3-Butadiene	0.080	U	0.042	0.20
Bromomethane	0.029	J	0.028	0.20
Chloroethane	0.035	J	0.030	0.50
Bromoethene(Vinyl Bromide)	0.080	U	0.030	0.20
Trichlorofluoromethane	0.23		0.030	0.20
Freon TF	0.075	J	0.018	0.20
1,1-Dichloroethene	0.080	U	0.024	0.20
Acetone	11		1.3	5.0
Isopropyl alcohol	7.6		0.22	5.0
Carbon disulfide	0.64		0.066	0.50
3-Chloropropene	0.080	U	0.034	0.50
Methylene Chloride	0.17	J	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	0.069	J M	0.034	0.20
1,1-Dichloroethane	0.080	U	0.038	0.20
Methyl Ethyl Ketone	1.4		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	0.090	J	0.025	0.20
Tetrahydrofuran	0.080	U	0.046	5.0
1,1,1-Trichloroethane	0.080	U	0.021	0.20
Cyclohexane	0.34		0.025	0.20
Carbon tetrachloride	0.080	U	0.021	0.20
2,2,4-Trimethylpentane	0.034	J	0.027	0.20
Benzene	0.096	J	0.019	0.20
1,2-Dichloroethane	0.067	J	0.017	0.20
n-Heptane	0.084	J	0.046	0.20
Trichloroethene	0.64		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	0.22	J	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	0.28	J	0.027	0.50
Toluene	0.23		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

Client: FPM Remediations Inc

Job Number: 280-58003-1

Client Sample ID: **776VMP0301KA**

Lab Sample ID: 280-58003-7
Client Matrix: Air

Date Sampled: 07/17/2014 1210
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75517	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8801_014.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	07/31/2014 2202			Final Weight/Volume:	200 mL
Prep Date:	07/31/2014 2202			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Methyl Butyl Ketone (2-Hexanone)	0.20	U M	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	0.092	J	0.013	0.20
m,p-Xylene	0.23	J	0.023	0.50
Xylene, o-	0.079	J	0.016	0.20
Xylene (total)	0.31		0.034	0.20
Styrene	0.10	J	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	0.025	J	0.018	0.20
1,3,5-Trimethylbenzene	0.022	J M	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	0.072	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	0.23	J	0.20	0.50

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
Dichlorodifluoromethane	2.8		0.15	2.5
Freon 22	50		0.17	1.8
1,2-Dichlorotetrafluoroethane	0.56	U	0.24	1.4
Chloromethane	1.3		0.28	1.0
n-Butane	0.69	J	0.67	1.2
Vinyl chloride	0.20	U	0.097	0.51
1,3-Butadiene	0.18	U	0.093	0.44
Bromomethane	0.11	J	0.11	0.78
Chloroethane	0.093	J	0.079	1.3
Bromoethene(Vinyl Bromide)	0.35	U	0.13	0.87
Trichlorofluoromethane	1.3		0.17	1.1
Freon TF	0.57	J	0.14	1.5
1,1-Dichloroethene	0.32	U	0.095	0.79
Acetone	26		3.0	12
Isopropyl alcohol	19		0.53	12
Carbon disulfide	2.0		0.21	1.6

Client: FPM Remediations Inc

Job Number: 280-58003-1

Client Sample ID: **776VMP0301KA**

Lab Sample ID: 280-58003-7
Client Matrix: Air

Date Sampled: 07/17/2014 1210
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75517	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8801_014.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	07/31/2014 2202			Final Weight/Volume:	200 mL
Prep Date:	07/31/2014 2202			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
3-Chloropropene	0.25	U	0.11	1.6
Methylene Chloride	0.58	J	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	0.24	J M	0.12	0.70
1,1-Dichloroethane	0.32	U	0.15	0.81
Methyl Ethyl Ketone	4.0		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	0.44	J	0.12	0.98
Tetrahydrofuran	0.24	U	0.14	15
1,1,1-Trichloroethane	0.44	U	0.11	1.1
Cyclohexane	1.2		0.086	0.69
Carbon tetrachloride	0.50	U	0.13	1.3
2,2,4-Trimethylpentane	0.16	J	0.13	0.93
Benzene	0.31	J	0.061	0.64
1,2-Dichloroethane	0.27	J	0.069	0.81
n-Heptane	0.34	J	0.19	0.82
Trichloroethene	3.5		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	0.79	J	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	1.1	J	0.11	2.0
Toluene	0.88		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 M	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	0.40	J	0.056	0.87
m,p-Xylene	0.99	J	0.10	2.2
Xylene, o-	0.34	J	0.069	0.87
Xylene (total)	1.3		0.15	0.87
Styrene	0.43	J	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	0.12	J	0.088	0.98
1,3,5-Trimethylbenzene	0.11	J M	0.059	0.98
2-Chlorotoluene	0.16	U	0.067	1.0

Client: FPM Remediations Inc

Job Number: 280-58003-1

Client Sample ID: **776VMP0301KA**

Lab Sample ID: 280-58003-7
Client Matrix: Air

Date Sampled: 07/17/2014 1210
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75517	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8801_014.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	07/31/2014 2202			Final Weight/Volume:	200 mL
Prep Date:	07/31/2014 2202			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
tert-Butylbenzene	0.16	U	0.093	1.1
1,2,4-Trimethylbenzene	0.36	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	1.2	J	1.0	2.6

Client: FPM Remediations Inc

Job Number: 280-58003-1

Client Sample ID: **774IA1LA**

Lab Sample ID: 280-58003-8
Client Matrix: Air

Date Sampled: 07/17/2014 0840
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75271	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8696_013.d
Dilution:	2.5			Initial Weight/Volume:	141 mL
Analysis Date:	07/24/2014 2008			Final Weight/Volume:	200 mL
Prep Date:	07/24/2014 2008			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	0.59	J D	0.075	1.3
Freon 22	94	D	0.12	1.3
1,2-Dichlorotetrafluoroethane	0.20	U	0.088	0.50
Chloromethane	0.59	J D	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	3.2	D	0.075	0.50
Freon TF	0.075	U	0.045	0.50
1,1-Dichloroethene	0.20	U	0.060	0.50
Acetone	7.6	J D	3.1	13
Isopropyl alcohol	4.6	J D	0.54	13
Carbon disulfide	0.50	U	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	0.096	J D	0.085	0.50
1,1-Dichloroethane	0.20	U	0.095	0.50
Methyl Ethyl Ketone	1.2	J D	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	0.20	U	0.063	0.50
Tetrahydrofuran	0.20	U	0.12	13
1,1,1-Trichloroethane	0.20	U	0.053	0.50
Cyclohexane	0.20	U	0.063	0.50
Carbon tetrachloride	0.077	J D	0.053	0.50
2,2,4-Trimethylpentane	0.20	U	0.068	0.50
Benzene	0.074	J D M	0.048	0.50
1,2-Dichloroethane	0.075	U	0.043	0.50
n-Heptane	0.20	U	0.12	0.50
Trichloroethene	0.20	U	0.060	0.50
Methyl methacrylate	0.20	U	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	0.20	U	0.068	1.3
Toluene	0.17	J D	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	0.075	U	0.040	0.50

Client: FPM Remediations Inc

Job Number: 280-58003-1

Client Sample ID: **774IA1LA**

Lab Sample ID: 280-58003-8
Client Matrix: Air

Date Sampled: 07/17/2014 0840
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75271	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8696_013.d
Dilution:	2.5			Initial Weight/Volume:	141 mL
Analysis Date:	07/24/2014 2008			Final Weight/Volume:	200 mL
Prep Date:	07/24/2014 2008			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	0.052	J D	0.033	0.50
m,p-Xylene	0.10	J D	0.058	1.3
Xylene, o-	0.075	U	0.040	0.50
Xylene (total)	0.10	J	0.085	0.50
Styrene	0.10	J D	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	0.075	U	0.045	0.50
1,3,5-Trimethylbenzene	0.075	U	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	0.040	J D	0.035	0.50
sec-Butylbenzene	0.20	U	0.20	0.50
4-Isopropyltoluene	0.20	U	0.20	0.50
1,3-Dichlorobenzene	0.075	U	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	2.9	J D	0.37	6.2
Freon 22	330	D	0.42	4.4
1,2-Dichlorotetrafluoroethane	1.4	U	0.61	3.5
Chloromethane	1.2	J D	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	18	D	0.42	2.8
Freon TF	0.57	U	0.34	3.8
1,1-Dichloroethene	0.79	U	0.24	2.0
Acetone	18	J D	7.4	30
Isopropyl alcohol	11	J D	1.3	31
Carbon disulfide	1.6	U	0.51	3.9

Client: FPM Remediations Inc

Job Number: 280-58003-1

Client Sample ID: **774IA1LA**

Lab Sample ID: 280-58003-8
Client Matrix: Air

Date Sampled: 07/17/2014 0840
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75271	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8696_013.d
Dilution:	2.5			Initial Weight/Volume:	141 mL
Analysis Date:	07/24/2014 2008			Final Weight/Volume:	200 mL
Prep Date:	07/24/2014 2008			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	0.34	J D	0.30	1.8
1,1-Dichloroethane	0.81	U	0.38	2.0
Methyl Ethyl Ketone	3.5	J D	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	0.98	U	0.31	2.4
Tetrahydrofuran	0.59	U	0.34	37
1,1,1-Trichloroethane	1.1	U	0.29	2.7
Cyclohexane	0.69	U	0.22	1.7
Carbon tetrachloride	0.49	J D	0.33	3.1
2,2,4-Trimethylpentane	0.93	U	0.32	2.3
Benzene	0.24	J D M	0.15	1.6
1,2-Dichloroethane	0.30	U	0.17	2.0
n-Heptane	0.82	U	0.47	2.0
Trichloroethene	1.1	U	0.32	2.7
Methyl methacrylate	0.82	U	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	0.82	U	0.28	5.1
Toluene	0.65	J D	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	0.51	U	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	0.23	J D	0.14	2.2
m,p-Xylene	0.45	J D	0.25	5.4
Xylene, o-	0.33	U	0.17	2.2
Xylene (total)	0.43	J	0.37	2.2
Styrene	0.43	J D	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	0.37	U	0.22	2.5
1,3,5-Trimethylbenzene	0.37	U	0.15	2.5
2-Chlorotoluene	0.39	U	0.17	2.6

Client: FPM Remediations Inc

Job Number: 280-58003-1

Client Sample ID: **774IA1LA**

Lab Sample ID: 280-58003-8
Client Matrix: Air

Date Sampled: 07/17/2014 0840
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75271	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8696_013.d
Dilution:	2.5			Initial Weight/Volume:	141 mL
Analysis Date:	07/24/2014 2008			Final Weight/Volume:	200 mL
Prep Date:	07/24/2014 2008			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
tert-Butylbenzene	0.41	U	0.23	2.7
1,2,4-Trimethylbenzene	0.20	J D	0.17	2.5
sec-Butylbenzene	1.1	U	1.1	2.7
4-Isopropyltoluene	1.1	U	1.1	2.7
1,3-Dichlorobenzene	0.45	U	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

Client: FPM Remediations Inc

Job Number: 280-58003-1

Client Sample ID: **774776OA1LA**

Lab Sample ID: 280-58003-9
Client Matrix: Air

Date Sampled: 07/17/2014 0900
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75211	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8677_016.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	07/23/2014 2014			Final Weight/Volume:	200 mL
Prep Date:	07/23/2014 2014			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	0.56		0.030	0.50
Freon 22	0.26	J	0.048	0.50
1,2-Dichlorotetrafluoroethane	0.080	U	0.035	0.20
Chloromethane	0.50		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	0.24		0.030	0.20
Freon TF	0.030	U	0.018	0.20
1,1-Dichloroethene	0.080	U	0.024	0.20
Acetone	3.8	J	1.3	5.0
Isopropyl alcohol	0.40	J	0.22	5.0
Carbon disulfide	0.16	J	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	0.76		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	0.076	J	0.021	0.20
2,2,4-Trimethylpentane	0.080	U	0.027	0.20
Benzene	0.050	J	0.019	0.20
1,2-Dichloroethane	0.030	U	0.017	0.20
n-Heptane	0.080	U	0.046	0.20
Trichloroethene	0.099	J M	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	0.027	J	0.027	0.50
Toluene	0.097	J	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

Client: FPM Remediations Inc

Job Number: 280-58003-1

Client Sample ID: **774776OA1LA**

Lab Sample ID: 280-58003-9
Client Matrix: Air

Date Sampled: 07/17/2014 0900
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75211	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8677_016.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	07/23/2014 2014			Final Weight/Volume:	200 mL
Prep Date:	07/23/2014 2014			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	0.046	J	0.023	0.50
Xylene, o-	0.030	U	0.016	0.20
Xylene (total)	0.046	J	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	0.80		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	0.022	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	2.8		0.15	2.5
Freon 22	0.94	J	0.17	1.8
1,2-Dichlorotetrafluoroethane	0.56	U	0.24	1.4
Chloromethane	1.0		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	1.3		0.17	1.1
Freon TF	0.23	U	0.14	1.5
1,1-Dichloroethene	0.32	U	0.095	0.79
Acetone	9.1	J	3.0	12
Isopropyl alcohol	0.98	J	0.53	12
Carbon disulfide	0.50	J	0.21	1.6

Client: FPM Remediations Inc

Job Number: 280-58003-1

Client Sample ID: **774776OA1LA**

Lab Sample ID: 280-58003-9
Client Matrix: Air

Date Sampled: 07/17/2014 0900
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75211	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8677_016.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	07/23/2014 2014			Final Weight/Volume:	200 mL
Prep Date:	07/23/2014 2014			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	2.2		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	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	0.48	J	0.13	1.3
2,2,4-Trimethylpentane	0.37	U	0.13	0.93
Benzene	0.16	J	0.061	0.64
1,2-Dichloroethane	0.12	U	0.069	0.81
n-Heptane	0.33	U	0.19	0.82
Trichloroethene	0.53	J M	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	0.11	J	0.11	2.0
Toluene	0.37	J	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	0.20	J	0.10	2.2
Xylene, o-	0.13	U	0.069	0.87
Xylene (total)	0.20	J	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	5.5		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

Client: FPM Remediations Inc

Job Number: 280-58003-1

Client Sample ID: **774776OA1LA**

Lab Sample ID: 280-58003-9

Client Matrix: Air

Date Sampled: 07/17/2014 0900

Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75211	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8677_016.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	07/23/2014 2014			Final Weight/Volume:	200 mL
Prep Date:	07/23/2014 2014			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
tert-Butylbenzene	0.16	U	0.093	1.1
1,2,4-Trimethylbenzene	0.11	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

Client: FPM Remediations Inc

Job Number: 280-58003-1

Client Sample ID: **776IA1LA**

Lab Sample ID: 280-58003-10
Client Matrix: Air

Date Sampled: 07/17/2014 0850
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75211	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8677_017.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	07/23/2014 2108			Final Weight/Volume:	200 mL
Prep Date:	07/23/2014 2108			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	0.63		0.030	0.50
Freon 22	8.4		0.048	0.50
1,2-Dichlorotetrafluoroethane	0.080	U	0.035	0.20
Chloromethane	0.63		0.14	0.50
n-Butane	0.33	J	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	0.26		0.030	0.20
Freon TF	0.030	U	0.018	0.20
1,1-Dichloroethene	0.080	U	0.024	0.20
Acetone	8.4		1.3	5.0
Isopropyl alcohol	6.2		0.22	5.0
Carbon disulfide	0.26	J	0.066	0.50
3-Chloropropene	0.080	U	0.034	0.50
Methylene Chloride	0.18	J	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	0.67		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	0.060	J	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	J	0.021	0.20
2,2,4-Trimethylpentane	0.080	U	0.027	0.20
Benzene	0.057	J	0.019	0.20
1,2-Dichloroethane	0.067	J	0.017	0.20
n-Heptane	0.080	U	0.046	0.20
Trichloroethene	0.18	J	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	0.35	J	0.027	0.50
Toluene	0.30		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

Client: FPM Remediations Inc

Job Number: 280-58003-1

Client Sample ID: **776IA1LA**

Lab Sample ID: 280-58003-10
Client Matrix: Air

Date Sampled: 07/17/2014 0850
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75211	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8677_017.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	07/23/2014 2108			Final Weight/Volume:	200 mL
Prep Date:	07/23/2014 2108			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	0.072	J	0.0081	0.20
Ethylbenzene	0.10	J	0.013	0.20
m,p-Xylene	0.25	J	0.023	0.50
Xylene, o-	0.082	J	0.016	0.20
Xylene (total)	0.33		0.034	0.20
Styrene	0.081	J	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	0.018	J	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	0.065	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	3.1		0.15	2.5
Freon 22	30		0.17	1.8
1,2-Dichlorotetrafluoroethane	0.56	U	0.24	1.4
Chloromethane	1.3		0.28	1.0
n-Butane	0.77	J	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	1.5		0.17	1.1
Freon TF	0.23	U	0.14	1.5
1,1-Dichloroethene	0.32	U	0.095	0.79
Acetone	20		3.0	12
Isopropyl alcohol	15		0.53	12
Carbon disulfide	0.82	J	0.21	1.6

Client: FPM Remediations Inc

Job Number: 280-58003-1

Client Sample ID: **776IA1LA**

Lab Sample ID: 280-58003-10
Client Matrix: Air

Date Sampled: 07/17/2014 0850
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75211	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8677_017.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	07/23/2014 2108			Final Weight/Volume:	200 mL
Prep Date:	07/23/2014 2108			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
3-Chloropropene	0.25	U	0.11	1.6
Methylene Chloride	0.64	J	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	2.0		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	0.29	J	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	0.51	J	0.13	1.3
2,2,4-Trimethylpentane	0.37	U	0.13	0.93
Benzene	0.18	J	0.061	0.64
1,2-Dichloroethane	0.27	J	0.069	0.81
n-Heptane	0.33	U	0.19	0.82
Trichloroethene	0.95	J	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	1.5	J	0.11	2.0
Toluene	1.1		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	0.33	J	0.037	0.92
Ethylbenzene	0.45	J	0.056	0.87
m,p-Xylene	1.1	J	0.10	2.2
Xylene, o-	0.36	J	0.069	0.87
Xylene (total)	1.4		0.15	0.87
Styrene	0.35	J	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	0.090	J	0.088	0.98
1,3,5-Trimethylbenzene	0.15	U	0.059	0.98
2-Chlorotoluene	0.16	U	0.067	1.0

Client: FPM Remediations Inc

Job Number: 280-58003-1

Client Sample ID: **776IA1LA**

Lab Sample ID: 280-58003-10
Client Matrix: Air

Date Sampled: 07/17/2014 0850
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75211	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8677_017.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	07/23/2014 2108			Final Weight/Volume:	200 mL
Prep Date:	07/23/2014 2108			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
tert-Butylbenzene	0.16	U	0.093	1.1
1,2,4-Trimethylbenzene	0.32	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

Client: FPM Remediations Inc

Job Number: 280-58003-1

Client Sample ID: **774776CA01KA**

Lab Sample ID: 280-58003-11
Client Matrix: Air

Date Sampled: 07/16/2014 1145
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75271	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8696_014.d
Dilution:	5.0			Initial Weight/Volume:	40 mL
Analysis Date:	07/24/2014 2056			Final Weight/Volume:	200 mL
Prep Date:	07/24/2014 2056			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	1.4	J D	0.15	2.5
Freon 22	150	D	0.24	2.5
1,2-Dichlorotetrafluoroethane	0.40	U	0.18	1.0
Chloromethane	0.81	J D	0.68	2.5
n-Butane	2.5	U	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	4.3	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	27	D	6.3	25
Isopropyl alcohol	4.2	J 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	0.40	U	0.17	1.0
1,1-Dichloroethane	0.40	U	0.19	1.0
Methyl Ethyl Ketone	1.6	J 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	0.90	J D	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	0.24	J D	0.11	1.0
2,2,4-Trimethylpentane	0.40	U	0.14	1.0
Benzene	0.20	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	18	D	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	0.40	U	0.14	2.5
Toluene	0.19	J 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	0.24	J D	0.080	1.0

Client: FPM Remediations Inc

Job Number: 280-58003-1

Client Sample ID: **774776CA01KA**

Lab Sample ID: 280-58003-11
Client Matrix: Air

Date Sampled: 07/16/2014 1145
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75271	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8696_014.d
Dilution:	5.0			Initial Weight/Volume:	40 mL
Analysis Date:	07/24/2014 2056			Final Weight/Volume:	200 mL
Prep Date:	07/24/2014 2056			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	0.073	J D	0.065	1.0
m,p-Xylene	0.12	J D	0.12	2.5
Xylene, o-	0.15	U	0.080	1.0
Xylene (total)	0.40	U	0.17	1.0
Styrene	0.15	U	0.090	1.0
Bromoform	0.15	U	0.050	1.0
Cumene	0.20	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	0.15	U	0.090	1.0
1,3,5-Trimethylbenzene	0.15	U	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	0.15	U	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	6.9	J D	0.74	12
Freon 22	510	D	0.85	8.8
1,2-Dichlorotetrafluoroethane	2.8	U	1.2	7.0
Chloromethane	1.7	J D	1.4	5.2
n-Butane	5.9	U	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	24	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	63	D	15	59
Isopropyl alcohol	10	J D	2.6	61
Carbon disulfide	3.1	U	1.0	7.8

Client: FPM Remediations Inc

Job Number: 280-58003-1

Client Sample ID: **774776CA01KA**

Lab Sample ID: 280-58003-11
Client Matrix: Air

Date Sampled: 07/16/2014 1145
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75271	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8696_014.d
Dilution:	5.0			Initial Weight/Volume:	40 mL
Analysis Date:	07/24/2014 2056			Final Weight/Volume:	200 mL
Prep Date:	07/24/2014 2056			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	1.4	U	0.60	3.5
1,1-Dichloroethane	1.6	U	0.77	4.0
Methyl Ethyl Ketone	4.7	J 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	4.4	J D	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	1.5	J D	0.66	6.3
2,2,4-Trimethylpentane	1.9	U	0.63	4.7
Benzene	0.65	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	97	D	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	1.6	U	0.55	10
Toluene	0.72	J 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	1.6	J D	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	0.32	J D	0.28	4.3
m,p-Xylene	0.50	J D	0.50	11
Xylene, o-	0.65	U	0.35	4.3
Xylene (total)	1.7	U	0.74	4.3
Styrene	0.64	U	0.38	4.3
Bromoform	1.6	U	0.52	10
Cumene	0.98	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	0.74	U	0.44	4.9
1,3,5-Trimethylbenzene	0.74	U	0.29	4.9
2-Chlorotoluene	0.78	U	0.34	5.2

Client: FPM Remediations Inc

Job Number: 280-58003-1

Client Sample ID: **774776CA01KA**

Lab Sample ID: 280-58003-11
Client Matrix: Air

Date Sampled: 07/16/2014 1145
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75271	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8696_014.d
Dilution:	5.0			Initial Weight/Volume:	40 mL
Analysis Date:	07/24/2014 2056			Final Weight/Volume:	200 mL
Prep Date:	07/24/2014 2056			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
tert-Butylbenzene	0.82	U	0.47	5.5
1,2,4-Trimethylbenzene	0.74	U	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

Client: FPM Remediations Inc

Job Number: 280-58003-1

Method Blank - Batch: 200-75211

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	MB 200-75211/4	Analysis Batch:	200-75211	Instrument ID:	CHC.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	8677_004.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	07/23/2014 1115	Units:	ppb v/v	Final Weight/Volume:	200 mL
Prep Date:	07/23/2014 1115			Injection Volume:	200 mL
Leach Date:	N/A				

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	0.080	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

Client: FPM Remediations Inc

Job Number: 280-58003-1

Method Blank - Batch: 200-75211

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	MB 200-75211/4	Analysis Batch:	200-75211	Instrument ID:	CHC.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	8677_004.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	07/23/2014 1115	Units:	ppb v/v	Final Weight/Volume:	200 mL
Prep Date:	07/23/2014 1115			Injection Volume:	200 mL
Leach Date:	N/A				

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	0.030	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

Client: FPM Remediations Inc

Job Number: 280-58003-1

Method Blank - Batch: 200-75211

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	MB 200-75211/4	Analysis Batch:	200-75211	Instrument ID:	CHC.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	8677_004.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	07/23/2014 1115	Units:	ug/m3	Final Weight/Volume:	200 mL
Prep Date:	07/23/2014 1115			Injection Volume:	200 mL
Leach Date:	N/A				

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	0.28	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

Client: FPM Remediations Inc

Job Number: 280-58003-1

Method Blank - Batch: 200-75211

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	MB 200-75211/4	Analysis Batch:	200-75211	Instrument ID:	CHC.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	8677_004.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	07/23/2014 1115	Units:	ug/m3	Final Weight/Volume:	200 mL
Prep Date:	07/23/2014 1115			Injection Volume:	200 mL
Leach Date:	N/A				

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	0.18	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

Client: FPM Remediations Inc

Job Number: 280-58003-1

Lab Control Sample - Batch: 200-75211

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	LCS 200-75211/3	Analysis Batch:	200-75211	Instrument ID:	CHC.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	8677_003.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	07/23/2014 1022	Units:	ppb v/v	Final Weight/Volume:	200 mL
Prep Date:	07/23/2014 1022			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Dichlorodifluoromethane	10.0	10.7	107	70 - 130	
Freon 22	10.0	10.6	106	70 - 130	
1,2-Dichlorotetrafluoroethane	10.0	11.3	113	70 - 130	
Chloromethane	10.0	9.77	98	70 - 130	
n-Butane	10.0	9.87	99	70 - 130	
Vinyl chloride	10.0	9.84	98	70 - 130	
1,3-Butadiene	10.0	9.69	97	70 - 130	
Bromomethane	10.0	9.64	96	70 - 130	
Chloroethane	10.0	9.48	95	70 - 130	
Bromoethene(Vinyl Bromide)	10.0	9.38	94	70 - 130	
Trichlorofluoromethane	10.0	10.0	100	70 - 130	
Freon TF	10.0	10.1	101	70 - 130	
1,1-Dichloroethene	10.0	9.71	97	70 - 130	
Acetone	10.0	10.4	104	70 - 130	
Isopropyl alcohol	10.0	8.69	87	70 - 130	
Carbon disulfide	10.0	10.3	103	70 - 130	
3-Chloropropene	10.0	8.81	88	70 - 130	
Methylene Chloride	10.0	9.66	97	70 - 130	
tert-Butyl alcohol	10.0	9.43	94	70 - 130	
Methyl tert-butyl ether	10.0	9.86	99	70 - 130	
trans-1,2-Dichloroethene	10.0	10.2	102	70 - 130	
n-Hexane	10.0	10.2	102	70 - 130	
1,1-Dichloroethane	10.0	9.85	99	70 - 130	
Methyl Ethyl Ketone	10.0	8.92	89	70 - 130	
cis-1,2-Dichloroethene	10.0	9.37	94	70 - 130	
Chloroform	10.0	9.95	99	70 - 130	
Tetrahydrofuran	10.0	9.53	95	70 - 130	
1,1,1-Trichloroethane	10.0	9.87	99	70 - 130	
Cyclohexane	10.0	9.46	95	70 - 130	
Carbon tetrachloride	10.0	10.0	100	70 - 130	
2,2,4-Trimethylpentane	10.0	9.31	93	70 - 130	
Benzene	10.0	9.22	92	70 - 130	
1,2-Dichloroethane	10.0	10.1	101	70 - 130	
n-Heptane	10.0	9.47	95	70 - 130	
Trichloroethene	10.0	10.2	102	70 - 130	
Methyl methacrylate	10.0	10.5	105	70 - 130	
1,2-Dichloropropane	10.0	9.94	99	70 - 130	
1,4-Dioxane	10.0	9.84	98	70 - 130	
Bromodichloromethane	10.0	10.3	103	70 - 130	
cis-1,3-Dichloropropene	10.0	10.3	103	70 - 130	
methyl isobutyl ketone	10.0	9.52	95	70 - 130	
Toluene	10.0	9.79	98	70 - 130	
trans-1,3-Dichloropropene	10.0	9.67	97	70 - 130	
1,1,2-Trichloroethane	10.0	9.88	99	70 - 130	
Tetrachloroethene	10.0	9.43	94	70 - 130	
Methyl Butyl Ketone (2-Hexanone)	10.0	9.24	92	70 - 130	

Client: FPM Remediations Inc

Job Number: 280-58003-1

Lab Control Sample - Batch: 200-75211

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	LCS 200-75211/3	Analysis Batch:	200-75211	Instrument ID:	CHC.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	8677_003.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	07/23/2014 1022	Units:	ppb v/v	Final Weight/Volume:	200 mL
Prep Date:	07/23/2014 1022			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Dibromochloromethane	10.0	9.79	98	70 - 130	
1,2-Dibromoethane	10.0	9.91	99	70 - 130	
Chlorobenzene	10.0	9.53	95	70 - 130	
Ethylbenzene	10.0	9.80	98	70 - 130	
m,p-Xylene	20.0	19.0	95	70 - 130	
Xylene, o-	10.0	9.54	95	70 - 130	
Styrene	10.0	9.71	97	70 - 130	
Bromoform	10.0	9.78	98	70 - 130	
Cumene	10.0	9.65	97	70 - 130	
1,1,2,2-Tetrachloroethane	10.0	9.81	98	70 - 130	
n-Propylbenzene	10.0	9.85	99	70 - 130	
4-Ethyltoluene	10.0	9.91	99	70 - 130	
1,3,5-Trimethylbenzene	10.0	9.79	98	70 - 130	
2-Chlorotoluene	10.0	9.58	96	70 - 130	
tert-Butylbenzene	10.0	9.67	97	70 - 130	
1,2,4-Trimethylbenzene	10.0	9.80	98	70 - 130	
sec-Butylbenzene	10.0	9.69	97	70 - 130	
4-Isopropyltoluene	10.0	9.78	98	70 - 130	
1,3-Dichlorobenzene	10.0	9.56	96	70 - 130	
1,4-Dichlorobenzene	10.0	9.70	97	70 - 130	
Benzyl chloride	10.0	9.30	93	70 - 130	
n-Butylbenzene	10.0	10.2	102	70 - 130	
1,2-Dichlorobenzene	10.0	9.61	96	70 - 130	
1,2,4-Trichlorobenzene	10.0	11.4	114	70 - 130	
Hexachlorobutadiene	10.0	10.7	107	70 - 130	
Naphthalene	10.0	11.1	111	70 - 130	

Client: FPM Remediations Inc

Job Number: 280-58003-1

Method Blank - Batch: 200-75271

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	MB 200-75271/4	Analysis Batch:	200-75271	Instrument ID:	CHW.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	8696_004.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	07/24/2014 1217	Units:	ppb v/v	Final Weight/Volume:	200 mL
Prep Date:	07/24/2014 1217			Injection Volume:	200 mL
Leach Date:	N/A				

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	0.080	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 M	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

Client: FPM Remediations Inc

Job Number: 280-58003-1

Method Blank - Batch: 200-75271

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	MB 200-75271/4	Analysis Batch:	200-75271	Instrument ID:	CHW.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	8696_004.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	07/24/2014 1217	Units:	ppb v/v	Final Weight/Volume:	200 mL
Prep Date:	07/24/2014 1217			Injection Volume:	200 mL
Leach Date:	N/A				

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	0.0310	J	0.014	0.20
1,4-Dichlorobenzene	0.0378	J	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	0.0275	J	0.014	0.20
1,2,4-Trichlorobenzene	0.0480	J	0.027	0.50
Hexachlorobutadiene	0.080	U	0.022	0.20
Naphthalene	0.20	U	0.20	0.50

Client: FPM Remediations Inc

Job Number: 280-58003-1

Method Blank - Batch: 200-75271

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	MB 200-75271/4	Analysis Batch:	200-75271	Instrument ID:	CHW.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	8696_004.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	07/24/2014 1217	Units:	ug/m3	Final Weight/Volume:	200 mL
Prep Date:	07/24/2014 1217			Injection Volume:	200 mL
Leach Date:	N/A				

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	0.28	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 M	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

Client: FPM Remediations Inc

Job Number: 280-58003-1

Method Blank - Batch: 200-75271

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	MB 200-75271/4	Analysis Batch:	200-75271	Instrument ID:	CHW.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	8696_004.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	07/24/2014 1217	Units:	ug/m3	Final Weight/Volume:	200 mL
Prep Date:	07/24/2014 1217			Injection Volume:	200 mL
Leach Date:	N/A				

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	0.187	J	0.084	1.2
1,4-Dichlorobenzene	0.227	J	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	0.165	J	0.084	1.2
1,2,4-Trichlorobenzene	0.356	J	0.20	3.7
Hexachlorobutadiene	0.85	U	0.23	2.1
Naphthalene	1.0	U	1.0	2.6

Client: FPM Remediations Inc

Job Number: 280-58003-1

Lab Control Sample - Batch: 200-75271

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	LCS 200-75271/3	Analysis Batch:	200-75271	Instrument ID:	CHW.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	8696_003.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	07/24/2014 1127	Units:	ppb v/v	Final Weight/Volume:	200 mL
Prep Date:	07/24/2014 1127			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Dichlorodifluoromethane	10.0	10.1	101	70 - 130	
Freon 22	10.0	9.60	96	70 - 130	
1,2-Dichlorotetrafluoroethane	10.0	11.2	112	70 - 130	
Chloromethane	10.0	8.97	90	70 - 130	
n-Butane	10.0	9.28	93	70 - 130	
Vinyl chloride	10.0	9.67	97	70 - 130	
1,3-Butadiene	10.0	9.36	94	70 - 130	
Bromomethane	10.0	9.34	93	70 - 130	
Chloroethane	10.0	8.09	81	70 - 130	
Bromoethene(Vinyl Bromide)	10.0	10.1	101	70 - 130	
Trichlorofluoromethane	10.0	9.90	99	70 - 130	
Freon TF	10.0	10.2	102	70 - 130	
1,1-Dichloroethene	10.0	10.0	100	70 - 130	
Acetone	10.0	9.00	90	70 - 130	
Isopropyl alcohol	10.0	8.61	86	70 - 130	
Carbon disulfide	10.0	11.0	110	70 - 130	
3-Chloropropene	10.0	8.13	81	70 - 130	
Methylene Chloride	10.0	9.17	92	70 - 130	
tert-Butyl alcohol	10.0	9.95	99	70 - 130	
Methyl tert-butyl ether	10.0	9.68	97	70 - 130	
trans-1,2-Dichloroethene	10.0	10.2	102	70 - 130	
n-Hexane	10.0	9.22	92	70 - 130	
1,1-Dichloroethane	10.0	9.75	97	70 - 130	
Methyl Ethyl Ketone	10.0	9.16	92	70 - 130	
cis-1,2-Dichloroethene	10.0	9.84	98	70 - 130	
Chloroform	10.0	9.95	100	70 - 130	
Tetrahydrofuran	10.0	9.49	95	70 - 130	
1,1,1-Trichloroethane	10.0	10.1	101	70 - 130	
Cyclohexane	10.0	9.99	100	70 - 130	
Carbon tetrachloride	10.0	10.4	104	70 - 130	
2,2,4-Trimethylpentane	10.0	9.34	93	70 - 130	
Benzene	10.0	9.90	99	70 - 130	
1,2-Dichloroethane	10.0	9.49	95	70 - 130	
n-Heptane	10.0	8.32	83	70 - 130	
Trichloroethene	10.0	9.89	99	70 - 130	
Methyl methacrylate	10.0	10.2	102	70 - 130	
1,2-Dichloropropane	10.0	9.38	94	70 - 130	
1,4-Dioxane	10.0	9.84	98	70 - 130	
Bromodichloromethane	10.0	10.1	101	70 - 130	
cis-1,3-Dichloropropene	10.0	10.2	102	70 - 130	
methyl isobutyl ketone	10.0	9.65	96	70 - 130	
Toluene	10.0	9.37	94	70 - 130	
trans-1,3-Dichloropropene	10.0	10.4	104	70 - 130	
1,1,2-Trichloroethane	10.0	10.3	103	70 - 130	
Tetrachloroethene	10.0	9.88	99	70 - 130	
Methyl Butyl Ketone (2-Hexanone)	10.0	9.65	97	70 - 130	

Client: FPM Remediations Inc

Job Number: 280-58003-1

Lab Control Sample - Batch: 200-75271

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	LCS 200-75271/3	Analysis Batch:	200-75271	Instrument ID:	CHW.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	8696_003.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	07/24/2014 1127	Units:	ppb v/v	Final Weight/Volume:	200 mL
Prep Date:	07/24/2014 1127			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Dibromochloromethane	10.0	10.5	105	70 - 130	
1,2-Dibromoethane	10.0	10.6	106	70 - 130	
Chlorobenzene	10.0	10.3	103	70 - 130	
Ethylbenzene	10.0	10.3	103	70 - 130	
m,p-Xylene	20.0	20.9	104	70 - 130	
Xylene, o-	10.0	10.1	101	70 - 130	
Styrene	10.0	10.7	107	70 - 130	
Bromoform	10.0	11.2	112	70 - 130	
Cumene	10.0	10.5	105	70 - 130	
1,1,2,2-Tetrachloroethane	10.0	11.1	111	70 - 130	
n-Propylbenzene	10.0	10.9	109	70 - 130	
4-Ethyltoluene	10.0	11.2	112	70 - 130	
1,3,5-Trimethylbenzene	10.0	10.8	108	70 - 130	
2-Chlorotoluene	10.0	10.6	106	70 - 130	
tert-Butylbenzene	10.0	10.7	107	70 - 130	
1,2,4-Trimethylbenzene	10.0	10.8	108	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	11.1	111	70 - 130	
1,4-Dichlorobenzene	10.0	11.1	111	70 - 130	
Benzyl chloride	10.0	10.3	103	70 - 130	
n-Butylbenzene	10.0	11.3	113	70 - 130	
1,2-Dichlorobenzene	10.0	10.9	109	70 - 130	
1,2,4-Trichlorobenzene	10.0	10.4	104	70 - 130	
Hexachlorobutadiene	10.0	9.89	99	70 - 130	
Naphthalene	10.0	9.29	93	70 - 130	

Client: FPM Remediations Inc

Job Number: 280-58003-1

Method Blank - Batch: 200-75517

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	MB 200-75517/6	Analysis Batch:	200-75517	Instrument ID:	CHW.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	8801_006.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	07/31/2014 1531	Units:	ppb v/v	Final Weight/Volume:	200 mL
Prep Date:	07/31/2014 1531			Injection Volume:	200 mL
Leach Date:	N/A				

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	0.080	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

Client: FPM Remediations Inc

Job Number: 280-58003-1

Method Blank - Batch: 200-75517

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	MB 200-75517/6	Analysis Batch:	200-75517	Instrument ID:	CHW.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	8801_006.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	07/31/2014 1531	Units:	ppb v/v	Final Weight/Volume:	200 mL
Prep Date:	07/31/2014 1531			Injection Volume:	200 mL
Leach Date:	N/A				

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	0.0358	J	0.014	0.20
1,4-Dichlorobenzene	0.0406	J	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	0.0371	J	0.014	0.20
1,2,4-Trichlorobenzene	0.0703	J	0.027	0.50
Hexachlorobutadiene	0.0291	J	0.022	0.20
Naphthalene	0.20	U	0.20	0.50

Client: FPM Remediations Inc

Job Number: 280-58003-1

Method Blank - Batch: 200-75517

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	MB 200-75517/6	Analysis Batch:	200-75517	Instrument ID:	CHW.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	8801_006.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	07/31/2014 1531	Units:	ug/m3	Final Weight/Volume:	200 mL
Prep Date:	07/31/2014 1531			Injection Volume:	200 mL
Leach Date:	N/A				

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	0.28	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

Client: FPM Remediations Inc

Job Number: 280-58003-1

Method Blank - Batch: 200-75517

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	MB 200-75517/6	Analysis Batch:	200-75517	Instrument ID:	CHW.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	8801_006.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	07/31/2014 1531	Units:	ug/m3	Final Weight/Volume:	200 mL
Prep Date:	07/31/2014 1531			Injection Volume:	200 mL
Leach Date:	N/A				

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	0.215	J	0.084	1.2
1,4-Dichlorobenzene	0.244	J	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	0.223	J	0.084	1.2
1,2,4-Trichlorobenzene	0.521	J	0.20	3.7
Hexachlorobutadiene	0.310	J	0.23	2.1
Naphthalene	1.0	U	1.0	2.6

Client: FPM Remediations Inc

Job Number: 280-58003-1

Lab Control Sample - Batch: 200-75517

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	LCS 200-75517/3	Analysis Batch:	200-75517	Instrument ID:	CHW.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	8801_003.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	07/31/2014 1215	Units:	ppb v/v	Final Weight/Volume:	200 mL
Prep Date:	07/31/2014 1215			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Dichlorodifluoromethane	10.0	9.61	96	70 - 130	
Freon 22	10.0	8.31	83	70 - 130	
1,2-Dichlorotetrafluoroethane	10.0	10.7	107	70 - 130	
Chloromethane	10.0	7.78	78	70 - 130	
n-Butane	10.0	7.23	72	70 - 130	
Vinyl chloride	10.0	7.80	78	70 - 130	
1,3-Butadiene	10.0	7.05	71	70 - 130	
Bromomethane	10.0	8.27	83	70 - 130	
Chloroethane	10.0	8.83	88	70 - 130	
Bromoethene(Vinyl Bromide)	10.0	9.93	99	70 - 130	
Trichlorofluoromethane	10.0	9.56	96	70 - 130	
Freon TF	10.0	10.0	101	70 - 130	
1,1-Dichloroethene	10.0	9.84	98	70 - 130	
Acetone	10.0	8.05	81	70 - 130	
Isopropyl alcohol	10.0	7.45	75	70 - 130	
Carbon disulfide	10.0	10.4	104	70 - 130	
3-Chloropropene	10.0	7.00	70	70 - 130	
Methylene Chloride	10.0	8.07	81	70 - 130	
tert-Butyl alcohol	10.0	9.18	92	70 - 130	
Methyl tert-butyl ether	10.0	9.32	93	70 - 130	
trans-1,2-Dichloroethene	10.0	9.28	93	70 - 130	
n-Hexane	10.0	8.51	85	70 - 130	
1,1-Dichloroethane	10.0	9.04	90	70 - 130	
Methyl Ethyl Ketone	10.0	8.83	88	70 - 130	
cis-1,2-Dichloroethene	10.0	9.75	98	70 - 130	
Chloroform	10.0	9.66	97	70 - 130	
Tetrahydrofuran	10.0	8.13	81	70 - 130	
1,1,1-Trichloroethane	10.0	9.92	99	70 - 130	
Cyclohexane	10.0	9.74	97	70 - 130	
Carbon tetrachloride	10.0	10.5	105	70 - 130	
2,2,4-Trimethylpentane	10.0	8.70	87	70 - 130	
Benzene	10.0	9.62	96	70 - 130	
1,2-Dichloroethane	10.0	8.92	89	70 - 130	
n-Heptane	10.0	7.33	73	70 - 130	
Trichloroethene	10.0	9.86	99	70 - 130	
Methyl methacrylate	10.0	9.63	96	70 - 130	
1,2-Dichloropropane	10.0	8.94	89	70 - 130	
1,4-Dioxane	10.0	9.61	96	70 - 130	
Bromodichloromethane	10.0	9.93	99	70 - 130	
cis-1,3-Dichloropropene	10.0	9.93	99	70 - 130	
methyl isobutyl ketone	10.0	8.23	82	70 - 130	
Toluene	10.0	9.31	93	70 - 130	
trans-1,3-Dichloropropene	10.0	10.1	101	70 - 130	
1,1,2-Trichloroethane	10.0	9.97	100	70 - 130	
Tetrachloroethene	10.0	10.6	106	70 - 130	
Methyl Butyl Ketone (2-Hexanone)	10.0	8.21	82	70 - 130	

Client: FPM Remediations Inc

Job Number: 280-58003-1

Lab Control Sample - Batch: 200-75517

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	LCS 200-75517/3	Analysis Batch:	200-75517	Instrument ID:	CHW.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	8801_003.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	07/31/2014 1215	Units:	ppb v/v	Final Weight/Volume:	200 mL
Prep Date:	07/31/2014 1215			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Dibromochloromethane	10.0	10.7	107	70 - 130	
1,2-Dibromoethane	10.0	10.7	107	70 - 130	
Chlorobenzene	10.0	10.4	104	70 - 130	
Ethylbenzene	10.0	10.2	102	70 - 130	
m,p-Xylene	20.0	20.8	104	70 - 130	
Xylene, o-	10.0	10.2	102	70 - 130	
Styrene	10.0	10.8	108	70 - 130	
Bromoform	10.0	11.6	116	70 - 130	
Cumene	10.0	10.5	105	70 - 130	
1,1,2,2-Tetrachloroethane	10.0	10.5	105	70 - 130	
n-Propylbenzene	10.0	10.7	107	70 - 130	
4-Ethyltoluene	10.0	11.1	111	70 - 130	
1,3,5-Trimethylbenzene	10.0	10.7	107	70 - 130	
2-Chlorotoluene	10.0	10.4	104	70 - 130	
tert-Butylbenzene	10.0	10.8	108	70 - 130	
1,2,4-Trimethylbenzene	10.0	10.7	107	70 - 130	
sec-Butylbenzene	10.0	10.8	108	70 - 130	
4-Isopropyltoluene	10.0	11.1	111	70 - 130	
1,3-Dichlorobenzene	10.0	11.4	114	70 - 130	
1,4-Dichlorobenzene	10.0	11.5	115	70 - 130	
Benzyl chloride	10.0	9.59	96	70 - 130	
n-Butylbenzene	10.0	10.7	107	70 - 130	
1,2-Dichlorobenzene	10.0	11.1	111	70 - 130	
1,2,4-Trichlorobenzene	10.0	9.98	100	70 - 130	
Hexachlorobutadiene	10.0	10.2	102	70 - 130	
Naphthalene	10.0	8.65	86	70 - 130	

DATA REPORTING QUALIFIERS

Client: FPM Remediations Inc Job Number: 280-58003-1

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.

Client: FPM Remediations Inc

Job Number: 280-58003-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Air - GC/MS VOA					
Analysis Batch:200-75211					
LCS 200-75211/3	Lab Control Sample	T	Air	TO-15	
MB 200-75211/4	Method Blank	T	Air	TO-15	
280-58003-9	774776OA1LA	T	Air	TO-15	
280-58003-10	776IA1LA	T	Air	TO-15	
Analysis Batch:200-75271					
LCS 200-75271/3	Lab Control Sample	T	Air	TO-15	
MB 200-75271/4	Method Blank	T	Air	TO-15	
280-58003-8	774IA1LA	T	Air	TO-15	
280-58003-11	774776CA01KA	T	Air	TO-15	
Analysis Batch:200-75517					
LCS 200-75517/3	Lab Control Sample	T	Air	TO-15	
MB 200-75517/6	Method Blank	T	Air	TO-15	
280-58003-1	774VMP0101KA	T	Air	TO-15	
280-58003-2	774VMP0201KA	T	Air	TO-15	
280-58003-3	774VMP0301KA	T	Air	TO-15	
280-58003-4	776VMP0201KC	T	Air	TO-15	
280-58003-5	776VMP0101KA	T	Air	TO-15	
280-58003-6	776VMP0201KA	T	Air	TO-15	
280-58003-7	776VMP0301KA	T	Air	TO-15	

Report Basis

T = Total

Client: FPM Remediations Inc

Job Number: 280-58003-1

Laboratory Chronicle

Lab ID: 280-58003-1 **Client ID:** 774VMP0101KA

Sample Date/Time: 07/17/2014 09:15 Received Date/Time: 07/21/2014 14:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	280-58003-A-1		200-75517		07/31/2014 17:09	14.1	TAL BUR	BPL
A:TO-15	280-58003-A-1		200-75517		07/31/2014 17:09	14.1	TAL BUR	BPL

Lab ID: 280-58003-2 **Client ID:** 774VMP0201KA

Sample Date/Time: 07/17/2014 09:25 Received Date/Time: 07/21/2014 14:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	280-58003-A-2		200-75517		07/31/2014 17:58	18.3	TAL BUR	BPL
A:TO-15	280-58003-A-2		200-75517		07/31/2014 17:58	18.3	TAL BUR	BPL

Lab ID: 280-58003-3 **Client ID:** 774VMP0301KA

Sample Date/Time: 07/17/2014 09:35 Received Date/Time: 07/21/2014 14:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	280-58003-A-3		200-75517		07/31/2014 18:46	41	TAL BUR	BPL
A:TO-15	280-58003-A-3		200-75517		07/31/2014 18:46	41	TAL BUR	BPL

Lab ID: 280-58003-4 **Client ID:** 776VMP0201KC

Sample Date/Time: 07/17/2014 11:50 Received Date/Time: 07/21/2014 14:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	280-58003-A-4		200-75517		07/31/2014 19:34	2	TAL BUR	BPL
A:TO-15	280-58003-A-4		200-75517		07/31/2014 19:34	2	TAL BUR	BPL

Lab ID: 280-58003-5 **Client ID:** 776VMP0101KA

Sample Date/Time: 07/17/2014 12:00 Received Date/Time: 07/21/2014 14:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	280-58003-A-5		200-75517		07/31/2014 20:23	1.6	TAL BUR	BPL
A:TO-15	280-58003-A-5		200-75517		07/31/2014 20:23	1.6	TAL BUR	BPL

Client: FPM Remediations Inc

Job Number: 280-58003-1

Laboratory Chronicle

Lab ID: 280-58003-6 **Client ID:** 776VMP0201KA

Sample Date/Time: 07/17/2014 11:50 Received Date/Time: 07/21/2014 14:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	280-58003-A-6		200-75517		07/31/2014 21:11	2	TAL BUR	BPL
A:TO-15	280-58003-A-6		200-75517		07/31/2014 21:11	2	TAL BUR	BPL

Lab ID: 280-58003-7 **Client ID:** 776VMP0301KA

Sample Date/Time: 07/17/2014 12:10 Received Date/Time: 07/21/2014 14:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	280-58003-A-7		200-75517		07/31/2014 22:02	1	TAL BUR	BPL
A:TO-15	280-58003-A-7		200-75517		07/31/2014 22:02	1	TAL BUR	BPL

Lab ID: 280-58003-8 **Client ID:** 774IA1LA

Sample Date/Time: 07/17/2014 08:40 Received Date/Time: 07/21/2014 14:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	280-58003-A-8		200-75271		07/24/2014 20:08	2.5	TAL BUR	BPL
A:TO-15	280-58003-A-8		200-75271		07/24/2014 20:08	2.5	TAL BUR	BPL

Lab ID: 280-58003-9 **Client ID:** 774776OA1LA

Sample Date/Time: 07/17/2014 09:00 Received Date/Time: 07/21/2014 14:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	280-58003-A-9		200-75211		07/23/2014 20:14	1	TAL BUR	BPL
A:TO-15	280-58003-A-9		200-75211		07/23/2014 20:14	1	TAL BUR	BPL

Lab ID: 280-58003-10 **Client ID:** 776IA1LA

Sample Date/Time: 07/17/2014 08:50 Received Date/Time: 07/21/2014 14:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	280-58003-A-10		200-75211		07/23/2014 21:08	1	TAL BUR	BPL
A:TO-15	280-58003-A-10		200-75211		07/23/2014 21:08	1	TAL BUR	BPL

Client: FPM Remediations Inc

Job Number: 280-58003-1

Laboratory Chronicle

Lab ID: 280-58003-11 **Client ID:** 774776CA01KA

Sample Date/Time: 07/16/2014 11:45 Received Date/Time: 07/21/2014 14:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	280-58003-A-11		200-75271		07/24/2014 20:56	5	TAL BUR	BPL
A:TO-15	280-58003-A-11		200-75271		07/24/2014 20:56	5	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 200-75211/4		200-75211		07/23/2014 11:15	1	TAL BUR	BPL
A:TO-15	MB 200-75211/4		200-75211		07/23/2014 11:15	1	TAL BUR	BPL
P:Summa Canister	MB 200-75271/4		200-75271		07/24/2014 12:17	1	TAL BUR	BPL
A:TO-15	MB 200-75271/4		200-75271		07/24/2014 12:17	1	TAL BUR	BPL
P:Summa Canister	MB 200-75517/6		200-75517		07/31/2014 15:31	1	TAL BUR	BPL
A:TO-15	MB 200-75517/6		200-75517		07/31/2014 15:31	1	TAL BUR	BPL

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 200-75211/3		200-75211		07/23/2014 10:22	1	TAL BUR	BPL
A:TO-15	LCS 200-75211/3		200-75211		07/23/2014 10:22	1	TAL BUR	BPL
P:Summa Canister	LCS 200-75271/3		200-75271		07/24/2014 11:27	1	TAL BUR	BPL
A:TO-15	LCS 200-75271/3		200-75271		07/24/2014 11:27	1	TAL BUR	BPL
P:Summa Canister	LCS 200-75517/3		200-75517		07/31/2014 12:15	1	TAL BUR	BPL
A:TO-15	LCS 200-75517/3		200-75517		07/31/2014 12:15	1	TAL BUR	BPL

Lab References:

TAL BUR = TestAmerica Burlington

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
ATTO15CAL1w_00094	06/26/14	03/27/14	DI WATER, Lot 3630	15.463 L	ATTO15CAL6w_00091	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

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

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

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

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

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

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 v/v
							sec-Butylbenzene	0.20044 ppb v/v
							Styrene	0.20044 ppb v/v
							tert-Butyl alcohol	0.20044 ppb v/v
							tert-Butylbenzene	0.20044 ppb v/v
							Tetrachloroethene	0.20044 ppb v/v
							Tetrahydrofuran	0.20044 ppb v/v
							Toluene	0.20044 ppb v/v
							trans-1,2-Dichloroethene	0.20044 ppb v/v
							trans-1,3-Dichloropropene	0.20044 ppb v/v
							Trichloroethene	0.20044 ppb v/v
							Trichlorofluoromethane	0.20044 ppb v/v
							Undecane	0.20044 ppb v/v
							Vinyl acetate	0.20044 ppb v/v
							Vinyl chloride	0.20044 ppb v/v
							Xylene, o-	0.20044 ppb v/v
							Ethanol	0.400944 ppb v/v
.ATTO15CAL6w_00091	06/26/14	04/15/14	DI WATER, Lot 4432	15.463 L	ATTO15CALSTKi_00056	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

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

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

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

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.: 280-58003-1

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

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

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_00046	1237 mL	Ethanol	39.9987 ppb v/v
..ATTO15CALSTKi_00056	07/01/14	04/01/14	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

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

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

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

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-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

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

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

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

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_00046	06/26/14	03/26/14	VOA Free Water, Lot 4985	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
ATTO15CAL1w_00105	08/30/14	07/01/14	DI WATER, Lot 5428	15.463 L	ATTO15CAL6w_00092	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

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

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	0.20044 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
							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

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							n-Hexane	0.20044 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
							Propene	0.20044 ppb v/v
							sec-Butylbenzene	0.20044 ppb v/v
							Styrene	0.20044 ppb v/v
							tert-Butyl alcohol	0.20044 ppb v/v
							tert-Butylbenzene	0.20044 ppb v/v
							Tetrachloroethene	0.20044 ppb v/v
							Tetrahydrofuran	0.20044 ppb v/v
							Toluene	0.20044 ppb v/v
							trans-1,2-Dichloroethene	0.20044 ppb v/v
							trans-1,3-Dichloropropene	0.20044 ppb v/v
							Trichloroethene	0.20044 ppb v/v
							Trichlorofluoromethane	0.20044 ppb v/v
							Undecane	0.20044 ppb v/v
							Vinyl acetate	0.20044 ppb v/v
							Vinyl chloride	0.20044 ppb v/v
							Xylene, o-	0.20044 ppb v/v
							Ethanol	0.400944 ppb v/v
.ATTO15CAL6w_00092	08/30/14	06/02/14	DI WATER, Lot 4432	15.463 L	ATTO15CALSTKi_00057	1546 mL	1,1,1-Trichloroethane	19.9961 ppb v/v
							1,1,2,2-Tetrachloroethane	19.9961 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

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	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
							Acetonitrile	19.9961 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							Ethyl ether	19.9961 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							sec-Butylbenzene	19.9961 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00047	1237 mL	Ethanol	39.9987 ppb v/v
..ATTO15CALSTKi_00057	08/30/14	05/30/14	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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							n-Butanol	200 ppb v/v
							n-Butylbenzene	200 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							3-Chloropropene	1 ppm v/v
							4-Ethyltoluene	1 ppm v/v

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							n-Hexane	1 ppm v/v
							n-Nonane	1 ppm v/v

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00047	09/02/14	06/02/14	VOA Free Water, Lot 4985	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_00131	06/26/14	05/08/14	DI WATER, Lot 2782	15.463 L	ATTO15CAL6w_00090	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

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Dichlorotetrafluoroethane	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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							n-Hexane	0.500453 ppb v/v
							n-Nonane	0.500453 ppb v/v
							n-Octane	0.500453 ppb v/v
							n-Propylbenzene	0.500453 ppb v/v
							Naphthalene	0.500453 ppb v/v
							Pentane	0.500453 ppb v/v
							Propene	0.500453 ppb v/v
							sec-Butylbenzene	0.500453 ppb v/v
							Styrene	0.500453 ppb v/v
							tert-Butyl alcohol	0.500453 ppb v/v
							tert-Butylbenzene	0.500453 ppb v/v
							Tetrachloroethene	0.500453 ppb v/v
							Tetrahydrofuran	0.500453 ppb v/v
							Toluene	0.500453 ppb v/v
							trans-1,2-Dichloroethene	0.500453 ppb v/v
							trans-1,3-Dichloropropene	0.500453 ppb v/v
							Trichloroethene	0.500453 ppb v/v
							Trichlorofluoromethane	0.500453 ppb v/v
							Undecane	0.500453 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Vinyl acetate	0.500453 ppb v/v
							Vinyl chloride	0.500453 ppb v/v
							Xylene, o-	0.500453 ppb v/v
							Ethanol	5.01064 ppb v/v
					ATTO15EthCALw_00046	124 mL	Ethanol	5.01064 ppb v/v
.ATTO15CAL6w_00090	06/26/14	04/15/14	DI WATER, Lot 2575	15.463 L	ATTO15CALSTKi_00056	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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							cis-1,2-Dichloroethene	19.9961 ppb v/v
							cis-1,3-Dichloropropene	19.9961 ppb v/v
							Cumene	19.9961 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Cyclohexane	19.9961 ppb v/v
							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
							n-Decane	19.9961 ppb v/v
							n-Heptane	19.9961 ppb v/v
							n-Hexane	19.9961 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00046	1237 mL	Ethanol	39.9987 ppb v/v
..ATTO15CALSTKi_00056	07/01/14	04/01/14	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

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

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	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
							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

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Dichlorobenzene	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
							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

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

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)	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_00046	06/26/14	03/26/14	VOA Free Water, Lot 4985	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_00046	06/26/14	03/26/14	VOA Free Water, Lot 4985	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_00136	08/30/14	07/01/14	DI WATER, Lot 5399	15.463 L	ATTO15CAL6w_00092	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

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							n-Hexane	0.500453 ppb v/v
							n-Nonane	0.500453 ppb v/v
							n-Octane	0.500453 ppb v/v
							n-Propylbenzene	0.500453 ppb v/v
							Naphthalene	0.500453 ppb v/v
							Pentane	0.500453 ppb v/v
							Propene	0.500453 ppb v/v
							sec-Butylbenzene	0.500453 ppb v/v
							Styrene	0.500453 ppb v/v
							tert-Butyl alcohol	0.500453 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							tert-Butylbenzene	0.500453 ppb v/v
							Tetrachloroethene	0.500453 ppb v/v
							Tetrahydrofuran	0.500453 ppb v/v
							Toluene	0.500453 ppb v/v
							trans-1,2-Dichloroethene	0.500453 ppb v/v
							trans-1,3-Dichloropropene	0.500453 ppb v/v
							Trichloroethene	0.500453 ppb v/v
							Trichlorofluoromethane	0.500453 ppb v/v
							Undecane	0.500453 ppb v/v
							Vinyl acetate	0.500453 ppb v/v
							Vinyl chloride	0.500453 ppb v/v
							Xylene, o-	0.500453 ppb v/v
							Ethanol	5.01064 ppb v/v
					ATTO15EthCALw_00047	124 mL	Ethanol	5.01064 ppb v/v
.ATTO15CAL6w_00092	08/30/14	06/02/14	DI WATER, Lot 4432	15.463 L	ATTO15CALSTKi_00057	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

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Dichloroethane	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
							Bromoethene(Vinyl Bromide)	19.9961 ppb v/v
							Bromoform	19.9961 ppb v/v
							Bromomethane	19.9961 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							trans-1,2-Dichloroethene	19.9961 ppb v/v
							trans-1,3-Dichloropropene	19.9961 ppb v/v
							Trichloroethene	19.9961 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Trichlorofluoromethane	19.9961 ppb v/v
							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_00047	1237 mL	Ethanol	39.9987 ppb v/v
..ATTO15CALSTKi_00057	08/30/14	05/30/14	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

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

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

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

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 Burlington Job No.: 280-58003-1

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

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

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_00047	09/02/14	06/02/14	VOA Free Water, Lot 4985	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_00047	09/02/14	06/02/14	VOA Free Water, Lot 4985	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_00127	06/26/14	04/15/14	DI WATER, Lot 3646	15.463 L	ATTO15CALSTKi_00056	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
							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

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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_00046	309 mL	Ethanol	9.99159 ppb v/v
.ATTO15CALSTKi_00056	07/01/14	04/01/14	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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

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	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
							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

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Dichlorobenzene	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
							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

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

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)	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_00046	06/26/14	03/26/14	VOA Free Water, Lot 4985	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_00130	08/30/14	07/01/14	DI WATER, Lot 3093	15.463 L	ATTO15CALSTKi_00057	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

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

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	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
							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

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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_00047	309 mL	Ethanol	9.99159 ppb v/v
.ATTO15CALSTKi_00057	08/30/14	05/30/14	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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							n-Heptane	200 ppb v/v
							n-Hexane	200 ppb v/v
							n-Nonane	200 ppb v/v
							n-Octane	200 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							n-Propylbenzene	1 ppm v/v
							Naphthalene	1 ppm v/v
							Pentane	1 ppm v/v
							Propene	1 ppm v/v

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00047	09/02/14	06/02/14	VOA Free Water, Lot 4985	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_00362	06/26/14	05/08/14	Zero Air, Lot 5449	15.463 L	ATTO15CALSTKi_00056	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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

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
							2-Methylbutane	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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Xylene, o-	9.99806 ppb v/v
					ATTO15EthCALw_00046	464 mL	Ethanol	15.0036 ppb v/v
.ATTO15CALSTKi_00056	07/01/14	04/01/14	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
							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

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..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
							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

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							Vinyl acetate	1 ppm v/v
							Vinyl chloride	1 ppm v/v
							Xylene, o-	1 ppm v/v
.ATTO15EthCALw_00046	06/26/14	03/26/14	VOA Free Water, Lot 4985	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

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
ATTO15CAL4w_00367	08/30/14	07/01/14	Zero Air, Lot 5421	15.463 L	ATTO15CALSTKi_00057	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
							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

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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_00057	08/30/14	05/30/14	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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,1-Dichloroethane	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
							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

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
..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

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Vinyl chloride	1 ppm v/v
							Xylene (total)	3 ppm v/v
							Xylene, o-	1 ppm v/v
ATTO15CAL4w_00370	08/30/14	07/01/14	Zero Air, Lot 3558	15.463 L	ATTO15CALSTKi_00057	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
							3-Chloropropene	9.99806 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Ethyltoluene	9.99806 ppb v/v
							4-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
							Dibromomethane	9.99806 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dichlorodifluoromethane	9.99806 ppb v/v
							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
							n-Propylbenzene	9.99806 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00047	464 mL	Ethanol	15.0036 ppb v/v
.ATTO15CALSTKi_00057	08/30/14	05/30/14	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

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							Methyl Butyl Ketone (2-Hexanone)	200 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Methyl Ethyl Ketone	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
							1,3,5-Trimethylbenzene	1 ppm v/v
							1,3-Butadiene	1 ppm v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							Methyl methacrylate	1 ppm v/v
							Methyl tert-butyl ether	1 ppm v/v

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Methylene Chloride	1 ppm v/v
							n-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_00047	09/02/14	06/02/14	VOA Free Water, Lot 4985	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_00370	08/30/14	07/01/14	Zero Air, Lot 3558	15.463 L	ATTO15CALSTKi_00057	773 mL	1,2-Dichloroethene, Total	19.9961 ppb v/v
							Xylene (total)	29.9942 ppb v/v
.ATTO15CALSTKi_00057	08/30/14	05/30/14	DI WATER, Lot 7952	37.5 L	ATTO15CALs_00021	7500 mL	1,2-Dichloroethene, Total	400 ppb v/v
							Xylene (total)	600 ppb v/v
..ATTO15CALs_00021	01/10/15	Spectra Gases, Lot cc-90855			(Purchased Reagent)		1,2-Dichloroethene, Total	2 ppm v/v
							Xylene (total)	3 ppm v/v
ATTO15CAL4w_00371	08/30/14	07/01/14	Zero Air, Lot 5414	15.463 L	ATTO15CALSTKi_00057	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

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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_00057	08/30/14	05/30/14	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
							1,2,4-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

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
..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

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Carbon tetrachloride	1 ppm v/v
							Chlorobenzene	1 ppm v/v
							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
							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_00045	06/26/14	04/15/14	DI WATER, Lot 2961	15.463 L	ATTO15CALSTKi_00056	1160 mL	1,1,1-Trichloroethane	15.0036 ppb v/v
							1,1,2,2-Tetrachloroethane	15.0036 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

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	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
							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

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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_00046	620 mL	Ethanol	20.0479 ppb v/v
.ATTO15CALSTKi_00056	07/01/14	04/01/14	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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							n-Butanol	200 ppb v/v
							n-Butylbenzene	200 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							3-Chloropropene	1 ppm v/v
							4-Ethyltoluene	1 ppm v/v

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							n-Hexane	1 ppm v/v
							n-Nonane	1 ppm v/v

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00046	06/26/14	03/26/14	VOA Free Water, Lot 4985	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
ATTO15CAL5w_00046	08/30/14	07/01/14	DI WATER, Lot 3649	15.463 L	ATTO15CALSTKi_00057	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
							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

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Dichlorotetrafluoroethane	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
							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

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Vinyl acetate	15.0036 ppb v/v
							Vinyl chloride	15.0036 ppb v/v
							Xylene, o-	15.0036 ppb v/v
					ATTO15EthCALw_00047	620 mL	Ethanol	20.0479 ppb v/v
.ATTO15CALSTKi_00057	08/30/14	05/30/14	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
							Carbon tetrachloride	200 ppb v/v
							Chlorobenzene	200 ppb v/v
							Chloroethane	200 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							trans-1,3-Dichloropropene	200 ppb v/v
							Trichloroethene	200 ppb v/v
							Trichlorofluoromethane	200 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							Chloromethane	1 ppm v/v
							cis-1,2-Dichloroethene	1 ppm v/v
							cis-1,3-Dichloropropene	1 ppm v/v

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							Vinyl acetate	1 ppm v/v
							Vinyl chloride	1 ppm v/v
							Xylene, o-	1 ppm v/v

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.ATTO15EthCALw_00047	09/02/14	06/02/14	VOA Free Water, Lot 4985	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_00091	06/26/14	04/15/14	DI WATER, Lot 4432	15.463 L	ATTO15CALSTKi_00056	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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00046	1237 mL	Ethanol	39.9987 ppb v/v
.ATTO15CALSTKi_00056	07/01/14	04/01/14	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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							Methyl Butyl Ketone (2-Hexanone)	200 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Methyl Ethyl Ketone	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
							1,3,5-Trimethylbenzene	1 ppm v/v
							1,3-Butadiene	1 ppm v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							Methyl methacrylate	1 ppm v/v
							Methyl tert-butyl ether	1 ppm v/v

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Methylene Chloride	1 ppm v/v
							n-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_00046	06/26/14	03/26/14	VOA Free Water, Lot 4985	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_00092	08/30/14	06/02/14	DI WATER, Lot 4432	15.463 L	ATTO15CALSTKi_00057	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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							Bromoethene(Vinyl Bromide)	19.9961 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							Methyl Butyl Ketone (2-Hexanone)	19.9961 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Methyl Ethyl Ketone	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
							trans-1,2-Dichloroethene	19.9961 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

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	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_00047	1237 mL	Ethanol	39.9987 ppb v/v
.ATTO15CALSTKi_00057	08/30/14	05/30/14	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

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Bromoethene(Vinyl Bromide)	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
							tert-Butyl alcohol	200 ppb v/v
							tert-Butylbenzene	200 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Carbon tetrachloride	1 ppm v/v
							Chlorobenzene	1 ppm v/v
							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
							Toluene	1 ppm v/v
							trans-1,2-Dichloroethene	1 ppm v/v

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

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	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_00047	09/02/14	06/02/14	VOA Free Water, Lot 4985	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_00046	06/26/14	04/15/14	DI WATER, Lot 3308	15.463 L	ATTO15CALSTKi_00056	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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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_00046	3092 mL	Ethanol	99.9806 ppb v/v
.ATTO15CALSTKi_00056	07/01/14	04/01/14	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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

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	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
							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

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Dichlorobenzene	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
							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

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

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)	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_00046	06/26/14	03/26/14	VOA Free Water, Lot 4985	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_00047	08/30/14	07/01/14	DI WATER, Lot 3510	15.463 L	ATTO15CALSTKi_00057	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
							1,1-Dichloroethane	39.9922 ppb v/v
							1,1-Dichloroethene	39.9922 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

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	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
							Acrylonitrile	39.9922 ppb v/v
							Alpha Methyl Styrene	39.9922 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							Freon 22	39.9922 ppb v/v
							Freon TF	39.9922 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							tert-Butyl alcohol	39.9922 ppb v/v
							tert-Butylbenzene	39.9922 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Tetrachloroethene	39.9922 ppb v/v
							Tetrahydrofuran	39.9922 ppb v/v
							Toluene	39.9922 ppb v/v
							trans-1,2-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_00047	3092 mL	Ethanol	99.9806 ppb v/v
.ATTO15CALSTKi_00057	08/30/14	05/30/14	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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							n-Heptane	200 ppb v/v
							n-Hexane	200 ppb v/v
							n-Nonane	200 ppb v/v
							n-Octane	200 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							n-Propylbenzene	1 ppm v/v
							Naphthalene	1 ppm v/v
							Pentane	1 ppm v/v
							Propene	1 ppm v/v

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00047	09/02/14	06/02/14	VOA Free Water, Lot 4985	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
ATTO15CISs_00006	11/15/15		Spectra, Lot CC-250115		(Purchased Reagent)		1,4-Difluorobenzene	100 ppb v/v
							Chlorobenzene-d5	100 ppb v/v
							Chlorobromomethane	100 ppb v/v
ATTO15LCSW_00375	07/01/14	04/25/14	Zero Air, Lot 5399	15.463 L	ATTO15LCSSTKi_00051	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.: 280-58003-1

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

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

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

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

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
.ATTO15LCSSTKi_00051	07/01/14	04/01/14	DI WATER, Lot 1003	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

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

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

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

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

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

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
							Vinyl chloride	1 ppm v/v
							Xylene (total)	3 ppm v/v
							Xylene, o-	1 ppm v/v
ATTO15LCSW_00382	07/24/14	06/30/14	Zero Air, Lot 2906	15.463 L	ATTO15LCSSTKi_00052	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

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

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

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

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 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
							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

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

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
.ATTO15LCSSTKi_00052	08/30/14	05/30/14	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 Burlington Job No.: 280-58003-1

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

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

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

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

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
ATTO15LCSW_00387	07/24/14	06/30/14	Zero Air, Lot 2990	15.463 L	ATTO15LCSSTKi_00052	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

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							Chloroethane	9.99806 ppb v/v
							Chloroform	9.99806 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							n-Propylbenzene	9.99806 ppb v/v
							Naphthalene	9.99806 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
.ATTO15LCSSTKi_00052	08/30/14	05/30/14	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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							Tetrahydrofuran	200 ppb v/v
							Toluene	200 ppb v/v
							trans-1,2-Dichloroethene	200 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

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
							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
							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

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
ATTO15LCSW_00389	08/30/14	07/23/14	Zero Air, Lot 3611	15.463 L	ATTO15LCSSTKi_00052	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.: 280-58003-1

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

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

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

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

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
.ATTO15LCSSTKi_00052	08/30/14	05/30/14	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

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

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

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

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
..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

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

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
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 W. Sac.

627134
ID: ATTO15CALs_00021
Exp:01/10/15 Prpd:PAD Opn:01/10/14
TO15 Calibration Source T

CERTIFICATE OF ANALYSIS

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

COMPONENT	CAS NUMBER	REQUESTED CONC	CERTIFIED CONC
Propylene	115-07-1	1.00 ppm	1.14 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

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 Prpd:PAD Opn:01/10/14
TO15 Calibration Source T

CERTIFICATE OF ANALYSIS

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

COMPONENT	CAS NUMBER	REQUESTED CONC	CERTIFIED 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

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30 Community Drive Suite 11
South Burlington, VT 05403

627134
ID: ATTO15CALs_00021
Exp:01/10/15 Prpd:PAD Opn:01/10/14
TO15 Calibration Source T

CERTIFICATE OF ANALYSIS

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

COMPONENT	CAS NUMBER	REQUESTED CONC	CERTIFIED 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

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30 Community Drive Suite 11
South Burlington, VT 05403

PAGE: 4 of 4

627134
ID: ATTO15CALs_00021
Exp:01/10/15 Prpd:PAD Opn:01/10/14
TO15 Calibration Source T

CERTIFICATE OF ANALYSIS

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

COMPONENT	CAS NUMBER	REQUESTED CONC	CERTIFIED 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

SIGMA-ALDRICH
sigma-aldrich.com

3050 Spruce Street, Saint Louis, MO 63103, USA
Website: www.sigmaaldrich.com
Email USA: techserv@sial.com
Outside USA: eurtechserv@sial.com

9/15/11

Certificate of Analysis

Product Name:
Ethanol – 200 proof, anhydrous, ≥99.5%

CH_3CH_2OH

Product Number:	**459836**
Lot Number:	**SHBB5682V**
Brand:	SIAL
CAS Number:	64-17-5
MDL Number:	MFCD00003568
Formula:	C2H6O
Formula Weight:	46.07 g/mol
Quality Release Date:	15 SEP 2011

389837
ID: ATTO15EthCALs_00007
Exp 09/01/17 Prod Prd Open 09/01/12
TO15 Ethanol Cal source 9

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

Jennifer Baughman, Manager
Quality Control
Sheboygan Falls, WI US

Spectra Gases, Inc.

3434 Route 22 West, Branchburg, New Jersey 08876 USA

ISO 9001:2000

AT06= 02-06-05 9/28/05 MTP

SHIPPED FROM: 80 INDUSTRIAL DRIVE ALPHA, NJ. 08865

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

Recert AT020/009 exp 12/16/08
Instrument F

CERTIFICATE OF ANALYSIS

Lot# 238643

SGI ORDER # :	0077411		
ITEM# :	1	**CYLINDER # :**	CC-172855
CERTIFICATION DATE:	9/16/2005	**CYLINDER PRES:**	2000 psig
P.O.# :	2117184	**CYLINDER VALVE:**	CGA 350
BLEND TYPE:	CERTIFIED	**PRODUCT EXPIRATION DATE:**	9/16/2006

ANALYTICAL ACCURACY: +/- 10%

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

84579
ID: ATTO15FISs_00003
Exp 11/15/11 Prpd WRD Open 12/01/10
Instrument F Internal Sta

ANALYST: April Chamberlain

DATE: 9/19/2005

Tel: +1 908-252-9300 Fax: +1 908-252-0811
www.spectragases.com

Certification Summary

Client: FPM Remediations Inc
Project/Site: Griffiss AFB 1015-11-01 SVI

TestAmerica Job ID: 280-58003-1

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	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.: 280-58003-1

SDG No.:

Matrix: Air Level: Low Lab File ID: 8677_003.D

Lab ID: LCS 200-75211/3 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Dichlorodifluoromethane	10.0	10.7	107	70-130	
Freon 22	10.0	10.6	106	70-130	
1,2-Dichlorotetrafluoroethane	10.0	11.3	113	70-130	
Chloromethane	10.0	9.77	98	70-130	
n-Butane	10.0	9.87	99	70-130	
Vinyl chloride	10.0	9.84	98	70-130	
1,3-Butadiene	10.0	9.69	97	70-130	
Bromomethane	10.0	9.64	96	70-130	
Chloroethane	10.0	9.48	95	70-130	
Bromoethene(Vinyl Bromide)	10.0	9.38	94	70-130	
Trichlorofluoromethane	10.0	10.0	100	70-130	
Freon TF	10.0	10.1	101	70-130	
1,1-Dichloroethene	10.0	9.71	97	70-130	
Acetone	10.0	10.4	104	70-130	
Isopropyl alcohol	10.0	8.69	87	70-130	
Carbon disulfide	10.0	10.3	103	70-130	
3-Chloropropene	10.0	8.81	88	70-130	
Methylene Chloride	10.0	9.66	97	70-130	
tert-Butyl alcohol	10.0	9.43	94	70-130	
Methyl tert-butyl ether	10.0	9.86	99	70-130	
trans-1,2-Dichloroethene	10.0	10.2	102	70-130	
n-Hexane	10.0	10.2	102	70-130	
1,1-Dichloroethane	10.0	9.85	99	70-130	
Methyl Ethyl Ketone	10.0	8.92	89	70-130	
cis-1,2-Dichloroethene	10.0	9.37	94	70-130	
Chloroform	10.0	9.95	99	70-130	
Tetrahydrofuran	10.0	9.53	95	70-130	
1,1,1-Trichloroethane	10.0	9.87	99	70-130	
Cyclohexane	10.0	9.46	95	70-130	
Carbon tetrachloride	10.0	10.0	100	70-130	
2,2,4-Trimethylpentane	10.0	9.31	93	70-130	
Benzene	10.0	9.22	92	70-130	
1,2-Dichloroethane	10.0	10.1	101	70-130	
n-Heptane	10.0	9.47	95	70-130	
Trichloroethene	10.0	10.2	102	70-130	
Methyl methacrylate	10.0	10.5	105	70-130	
1,2-Dichloropropane	10.0	9.94	99	70-130	
1,4-Dioxane	10.0	9.84	98	70-130	
Bromodichloromethane	10.0	10.3	103	70-130	
cis-1,3-Dichloropropene	10.0	10.3	103	70-130	
methyl isobutyl ketone	10.0	9.52	95	70-130	
Toluene	10.0	9.79	98	70-130	

Column to be used to flag recovery and RPD values

FORM III TO-15

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

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Matrix: Air Level: Low Lab File ID: 8677_003.D

Lab ID: LCS 200-75211/3 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
trans-1,3-Dichloropropene	10.0	9.67	97	70-130	
1,1,2-Trichloroethane	10.0	9.88	99	70-130	
Tetrachloroethene	10.0	9.43	94	70-130	
Methyl Butyl Ketone (2-Hexanone)	10.0	9.24	92	70-130	
Dibromochloromethane	10.0	9.79	98	70-130	
1,2-Dibromoethane	10.0	9.91	99	70-130	
Chlorobenzene	10.0	9.53	95	70-130	
Ethylbenzene	10.0	9.80	98	70-130	
m,p-Xylene	20.0	19.0	95	70-130	
Xylene, o-	10.0	9.54	95	70-130	
Styrene	10.0	9.71	97	70-130	
Bromoform	10.0	9.78	98	70-130	
Cumene	10.0	9.65	97	70-130	
1,1,2,2-Tetrachloroethane	10.0	9.81	98	70-130	
n-Propylbenzene	10.0	9.85	99	70-130	
4-Ethyltoluene	10.0	9.91	99	70-130	
1,3,5-Trimethylbenzene	10.0	9.79	98	70-130	
2-Chlorotoluene	10.0	9.58	96	70-130	
tert-Butylbenzene	10.0	9.67	97	70-130	
1,2,4-Trimethylbenzene	10.0	9.80	98	70-130	
sec-Butylbenzene	10.0	9.69	97	70-130	
4-Isopropyltoluene	10.0	9.78	98	70-130	
1,3-Dichlorobenzene	10.0	9.56	96	70-130	
1,4-Dichlorobenzene	10.0	9.70	97	70-130	
Benzyl chloride	10.0	9.30	93	70-130	
n-Butylbenzene	10.0	10.2	102	70-130	
1,2-Dichlorobenzene	10.0	9.61	96	70-130	
1,2,4-Trichlorobenzene	10.0	11.4	114	70-130	
Hexachlorobutadiene	10.0	10.7	107	70-130	
Naphthalene	10.0	11.1	111	70-130	

Column to be used to flag recovery and RPD values

FORM III TO-15

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

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Matrix: Air Level: Low Lab File ID: 8696_003.d

Lab ID: LCS 200-75271/3 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Dichlorodifluoromethane	10.0	10.1	101	70-130	
Freon 22	10.0	9.60	96	70-130	
1,2-Dichlorotetrafluoroethane	10.0	11.2	112	70-130	
Chloromethane	10.0	8.97	90	70-130	
n-Butane	10.0	9.28	93	70-130	
Vinyl chloride	10.0	9.67	97	70-130	
1,3-Butadiene	10.0	9.36	94	70-130	
Bromomethane	10.0	9.34	93	70-130	
Chloroethane	10.0	8.09	81	70-130	
Bromoethene(Vinyl Bromide)	10.0	10.1	101	70-130	
Trichlorofluoromethane	10.0	9.90	99	70-130	
Freon TF	10.0	10.2	102	70-130	
1,1-Dichloroethene	10.0	10.0	100	70-130	
Acetone	10.0	9.00	90	70-130	
Isopropyl alcohol	10.0	8.61	86	70-130	
Carbon disulfide	10.0	11.0	110	70-130	
3-Chloropropene	10.0	8.13	81	70-130	
Methylene Chloride	10.0	9.17	92	70-130	
tert-Butyl alcohol	10.0	9.95	99	70-130	
Methyl tert-butyl ether	10.0	9.68	97	70-130	
trans-1,2-Dichloroethene	10.0	10.2	102	70-130	
n-Hexane	10.0	9.22	92	70-130	
1,1-Dichloroethane	10.0	9.75	97	70-130	
Methyl Ethyl Ketone	10.0	9.16	92	70-130	
cis-1,2-Dichloroethene	10.0	9.84	98	70-130	
Chloroform	10.0	9.95	100	70-130	
Tetrahydrofuran	10.0	9.49	95	70-130	
1,1,1-Trichloroethane	10.0	10.1	101	70-130	
Cyclohexane	10.0	9.99	100	70-130	
Carbon tetrachloride	10.0	10.4	104	70-130	
2,2,4-Trimethylpentane	10.0	9.34	93	70-130	
Benzene	10.0	9.90	99	70-130	
1,2-Dichloroethane	10.0	9.49	95	70-130	
n-Heptane	10.0	8.32	83	70-130	
Trichloroethene	10.0	9.89	99	70-130	
Methyl methacrylate	10.0	10.2	102	70-130	
1,2-Dichloropropane	10.0	9.38	94	70-130	
1,4-Dioxane	10.0	9.84	98	70-130	
Bromodichloromethane	10.0	10.1	101	70-130	
cis-1,3-Dichloropropene	10.0	10.2	102	70-130	
methyl isobutyl ketone	10.0	9.65	96	70-130	
Toluene	10.0	9.37	94	70-130	

Column to be used to flag recovery and RPD values

FORM III TO-15

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

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Matrix: Air Level: Low Lab File ID: 8696_003.d

Lab ID: LCS 200-75271/3 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
trans-1,3-Dichloropropene	10.0	10.4	104	70-130	
1,1,2-Trichloroethane	10.0	10.3	103	70-130	
Tetrachloroethene	10.0	9.88	99	70-130	
Methyl Butyl Ketone (2-Hexanone)	10.0	9.65	97	70-130	
Dibromochloromethane	10.0	10.5	105	70-130	
1,2-Dibromoethane	10.0	10.6	106	70-130	
Chlorobenzene	10.0	10.3	103	70-130	
Ethylbenzene	10.0	10.3	103	70-130	
m,p-Xylene	20.0	20.9	104	70-130	
Xylene, o-	10.0	10.1	101	70-130	
Styrene	10.0	10.7	107	70-130	
Bromoform	10.0	11.2	112	70-130	
Cumene	10.0	10.5	105	70-130	
1,1,2,2-Tetrachloroethane	10.0	11.1	111	70-130	
n-Propylbenzene	10.0	10.9	109	70-130	
4-Ethyltoluene	10.0	11.2	112	70-130	
1,3,5-Trimethylbenzene	10.0	10.8	108	70-130	
2-Chlorotoluene	10.0	10.6	106	70-130	
tert-Butylbenzene	10.0	10.7	107	70-130	
1,2,4-Trimethylbenzene	10.0	10.8	108	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	11.1	111	70-130	
1,4-Dichlorobenzene	10.0	11.1	111	70-130	
Benzyl chloride	10.0	10.3	103	70-130	
n-Butylbenzene	10.0	11.3	113	70-130	
1,2-Dichlorobenzene	10.0	10.9	109	70-130	
1,2,4-Trichlorobenzene	10.0	10.4	104	70-130	
Hexachlorobutadiene	10.0	9.89	99	70-130	
Naphthalene	10.0	9.29	93	70-130	

Column to be used to flag recovery and RPD values

FORM III TO-15

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

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Matrix: Air Level: Low Lab File ID: 8801_003.d

Lab ID: LCS 200-75517/3 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Dichlorodifluoromethane	10.0	9.61	96	70-130	
Freon 22	10.0	8.31	83	70-130	
1,2-Dichlorotetrafluoroethane	10.0	10.7	107	70-130	
Chloromethane	10.0	7.78	78	70-130	
n-Butane	10.0	7.23	72	70-130	
Vinyl chloride	10.0	7.80	78	70-130	
1,3-Butadiene	10.0	7.05	71	70-130	
Bromomethane	10.0	8.27	83	70-130	
Chloroethane	10.0	8.83	88	70-130	
Bromoethene(Vinyl Bromide)	10.0	9.93	99	70-130	
Trichlorofluoromethane	10.0	9.56	96	70-130	
Freon TF	10.0	10.0	101	70-130	
1,1-Dichloroethene	10.0	9.84	98	70-130	
Acetone	10.0	8.05	81	70-130	
Isopropyl alcohol	10.0	7.45	75	70-130	
Carbon disulfide	10.0	10.4	104	70-130	
3-Chloropropene	10.0	7.00	70	70-130	
Methylene Chloride	10.0	8.07	81	70-130	
tert-Butyl alcohol	10.0	9.18	92	70-130	
Methyl tert-butyl ether	10.0	9.32	93	70-130	
trans-1,2-Dichloroethene	10.0	9.28	93	70-130	
n-Hexane	10.0	8.51	85	70-130	
1,1-Dichloroethane	10.0	9.04	90	70-130	
Methyl Ethyl Ketone	10.0	8.83	88	70-130	
cis-1,2-Dichloroethene	10.0	9.75	98	70-130	
Chloroform	10.0	9.66	97	70-130	
Tetrahydrofuran	10.0	8.13	81	70-130	
1,1,1-Trichloroethane	10.0	9.92	99	70-130	
Cyclohexane	10.0	9.74	97	70-130	
Carbon tetrachloride	10.0	10.5	105	70-130	
2,2,4-Trimethylpentane	10.0	8.70	87	70-130	
Benzene	10.0	9.62	96	70-130	
1,2-Dichloroethane	10.0	8.92	89	70-130	
n-Heptane	10.0	7.33	73	70-130	
Trichloroethene	10.0	9.86	99	70-130	
Methyl methacrylate	10.0	9.63	96	70-130	
1,2-Dichloropropane	10.0	8.94	89	70-130	
1,4-Dioxane	10.0	9.61	96	70-130	
Bromodichloromethane	10.0	9.93	99	70-130	
cis-1,3-Dichloropropene	10.0	9.93	99	70-130	
methyl isobutyl ketone	10.0	8.23	82	70-130	
Toluene	10.0	9.31	93	70-130	

Column to be used to flag recovery and RPD values

FORM III TO-15

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

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Matrix: Air Level: Low Lab File ID: 8801_003.d

Lab ID: LCS 200-75517/3 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
trans-1,3-Dichloropropene	10.0	10.1	101	70-130	
1,1,2-Trichloroethane	10.0	9.97	100	70-130	
Tetrachloroethene	10.0	10.6	106	70-130	
Methyl Butyl Ketone (2-Hexanone)	10.0	8.21	82	70-130	
Dibromochloromethane	10.0	10.7	107	70-130	
1,2-Dibromoethane	10.0	10.7	107	70-130	
Chlorobenzene	10.0	10.4	104	70-130	
Ethylbenzene	10.0	10.2	102	70-130	
m,p-Xylene	20.0	20.8	104	70-130	
Xylene, o-	10.0	10.2	102	70-130	
Styrene	10.0	10.8	108	70-130	
Bromoform	10.0	11.6	116	70-130	
Cumene	10.0	10.5	105	70-130	
1,1,2,2-Tetrachloroethane	10.0	10.5	105	70-130	
n-Propylbenzene	10.0	10.7	107	70-130	
4-Ethyltoluene	10.0	11.1	111	70-130	
1,3,5-Trimethylbenzene	10.0	10.7	107	70-130	
2-Chlorotoluene	10.0	10.4	104	70-130	
tert-Butylbenzene	10.0	10.8	108	70-130	
1,2,4-Trimethylbenzene	10.0	10.7	107	70-130	
sec-Butylbenzene	10.0	10.8	108	70-130	
4-Isopropyltoluene	10.0	11.1	111	70-130	
1,3-Dichlorobenzene	10.0	11.4	114	70-130	
1,4-Dichlorobenzene	10.0	11.5	115	70-130	
Benzyl chloride	10.0	9.59	96	70-130	
n-Butylbenzene	10.0	10.7	107	70-130	
1,2-Dichlorobenzene	10.0	11.1	111	70-130	
1,2,4-Trichlorobenzene	10.0	9.98	100	70-130	
Hexachlorobutadiene	10.0	10.2	102	70-130	
Naphthalene	10.0	8.65	86	70-130	

Column to be used to flag recovery and RPD values

FORM III TO-15

FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Lab File ID: 8677_004.D Lab Sample ID: MB 200-75211/4

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

Instrument ID: CHC.i Date Analyzed: 07/23/2014 11:15

GC Column: RTX-624 ID: 0.32(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 200-75211/3	8677_003.D	07/23/2014 10:22
774776OA1LA	280-58003-9	8677_016.D	07/23/2014 20:14
776IA1LA	280-58003-10	8677_017.D	07/23/2014 21:08

FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Lab File ID: 8696_004.d Lab Sample ID: MB 200-75271/4

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

Instrument ID: CHW.i Date Analyzed: 07/24/2014 12:17

GC Column: RTX-624 ID: 0.32(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 200-75271/3	8696_003.d	07/24/2014 11:27
774IA1LA	280-58003-8	8696_013.d	07/24/2014 20:08
774776CA01KA	280-58003-11	8696_014.d	07/24/2014 20:56

FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Lab File ID: 8801_006.d Lab Sample ID: MB 200-75517/6

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

Instrument ID: CHW.i Date Analyzed: 07/31/2014 15:31

GC Column: RTX-624 ID: 0.32(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 200-75517/3	8801_003.d	07/31/2014 12:15
774VMP0101KA	280-58003-1	8801_008.d	07/31/2014 17:09
774VMP0201KA	280-58003-2	8801_009.d	07/31/2014 17:58
774VMP0301KA	280-58003-3	8801_010.d	07/31/2014 18:46
776VMP0201KC	280-58003-4	8801_011.d	07/31/2014 19:34
776VMP0101KA	280-58003-5	8801_012.d	07/31/2014 20:23
776VMP0201KA	280-58003-6	8801_013.d	07/31/2014 21:11
776VMP0301KA	280-58003-7	8801_014.d	07/31/2014 22:02

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Lab File ID: 8605_001.D BFB Injection Date: 07/17/2014

Instrument ID: CHC.i BFB Injection Time: 11:15

Analysis Batch No.: 75021

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	20.1	
75	30.0 - 66.0% of mass 95	51.5	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	6.7	
173	Less than 2.0% of mass 174	0.4	(0.5)1
174	50.0 - 120.0% of mass 95	75.7	
175	4.0 - 9.0 % of mass 174	5.4	(7.1)1
176	93.0 - 101.0% of mass 174	73.0	(96.4)1
177	5.0 - 9.0% of mass 176	4.9	(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
	IC 200-75021/3	8605_003.D	07/17/2014	12:55
	IC 200-75021/4	8605_004.D	07/17/2014	13:48
	IC 200-75021/6	8605_006.D	07/17/2014	15:35
	ICIS 200-75021/7	8605_007.D	07/17/2014	16:28
	IC 200-75021/8	8605_008.D	07/17/2014	17:21
	IC 200-75021/9	8605_009.D	07/17/2014	18:14
	IC 200-75021/10	8605_010.D	07/17/2014	19:07
	IC 200-75021/18	8605_018.D	07/18/2014	09:36
	ICV 200-75021/19	8605_019.D	07/18/2014	10:29

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Lab File ID: 8677_001.D BFB Injection Date: 07/23/2014

Instrument ID: CHC.i BFB Injection Time: 08:42

Analysis Batch No.: 75211

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	20.7	
75	30.0 - 66.0% of mass 95	53.4	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	6.8	
173	Less than 2.0% of mass 174	0.4	(0.5)1
174	50.0 - 120.0% of mass 95	76.9	
175	4.0 - 9.0 % of mass 174	5.6	(7.3)1
176	93.0 - 101.0% of mass 174	73.9	(96.1)1
177	5.0 - 9.0% of mass 176	5.1	(6.8)2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 200-75211/2	8677_002.D	07/23/2014	09:29
	LCS 200-75211/3	8677_003.D	07/23/2014	10:22
	MB 200-75211/4	8677_004.D	07/23/2014	11:15
774776OA1LA	280-58003-9	8677_016.D	07/23/2014	20:14
776IA1LA	280-58003-10	8677_017.D	07/23/2014	21:08

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Lab File ID: 8058_001.d BFB Injection Date: 06/14/2014

Instrument ID: CHW.i BFB Injection Time: 06:27

Analysis Batch No.: 73568

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	13.5	
75	30.0 - 66.0% of mass 95	42.4	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	6.9	
173	Less than 2.0% of mass 174	0.5	(0.4)1
174	50.0 - 120.0% of mass 95	107.0	
175	4.0 - 9.0 % of mass 174	7.6	(7.1)1
176	93.0 - 101.0% of mass 174	105.6	(98.7)1
177	5.0 - 9.0% of mass 176	7.0	(6.6)2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 200-73568/5	8058_005.d	06/14/2014	09:46
	IC 200-73568/6	8058_006.d	06/14/2014	10:36
	ICIS 200-73568/7	8058_007.d	06/14/2014	11:26
	IC 200-73568/8	8058_008.d	06/14/2014	12:16
	IC 200-73568/9	8058_009.d	06/14/2014	13:06
	IC 200-73568/10	8058_010.d	06/14/2014	13:56
	IC 200-73568/16	8058_016.d	06/14/2014	23:41
	IC 200-73568/17	8058_017.d	06/15/2014	00:33
	ICV 200-73568/19	8058_019.d	06/15/2014	02:11

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Lab File ID: 8696_001.d BFB Injection Date: 07/24/2014

Instrument ID: CHW.i BFB Injection Time: 09:40

Analysis Batch No.: 75271

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	13.4	
75	30.0 - 66.0% of mass 95	42.2	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	6.9	
173	Less than 2.0% of mass 174	0.5	(0.5)1
174	50.0 - 120.0% of mass 95	106.2	
175	4.0 - 9.0 % of mass 174	7.6	(7.2)1
176	93.0 - 101.0% of mass 174	103.6	(97.6)1
177	5.0 - 9.0% of mass 176	6.9	(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 200-75271/2	8696_002.d	07/24/2014	10:39
	LCS 200-75271/3	8696_003.d	07/24/2014	11:27
	MB 200-75271/4	8696_004.d	07/24/2014	12:17
774IA1LA	280-58003-8	8696_013.d	07/24/2014	20:08
774776CA01KA	280-58003-11	8696_014.d	07/24/2014	20:56

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Lab File ID: 8801_001.d BFB Injection Date: 07/31/2014

Instrument ID: CHW.i BFB Injection Time: 10:25

Analysis Batch No.: 75517

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	11.8	
75	30.0 - 66.0% of mass 95	40.1	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	6.9	
173	Less than 2.0% of mass 174	0.5	(0.4)1
174	50.0 - 120.0% of mass 95	119.8	
175	4.0 - 9.0 % of mass 174	8.5	(7.1)1
176	93.0 - 101.0% of mass 174	117.1	(97.8)1
177	5.0 - 9.0% of mass 176	7.8	(6.7)2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 200-75517/2	8801_002.d	07/31/2014	11:23
	LCS 200-75517/3	8801_003.d	07/31/2014	12:15
	MB 200-75517/6	8801_006.d	07/31/2014	15:31
774VMP0101KA	280-58003-1	8801_008.d	07/31/2014	17:09
774VMP0201KA	280-58003-2	8801_009.d	07/31/2014	17:58
774VMP0301KA	280-58003-3	8801_010.d	07/31/2014	18:46
776VMP0201KC	280-58003-4	8801_011.d	07/31/2014	19:34
776VMP0101KA	280-58003-5	8801_012.d	07/31/2014	20:23
776VMP0201KA	280-58003-6	8801_013.d	07/31/2014	21:11
776VMP0301KA	280-58003-7	8801_014.d	07/31/2014	22:02

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

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Sample No.: ICIS 200-75021/7 Date Analyzed: 07/17/2014 16:28

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

Lab File ID (Standard): 8605_007.D Heated Purge: (Y/N) N

Calibration ID: 27544

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		98016	10.55	618468	12.57	616343	18.63
UPPER LIMIT		137222	10.88	865855	12.90	862880	18.96
LOWER LIMIT		58810	10.22	371081	12.24	369806	18.30
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 200-75021/19		109165	10.55	676541	12.57	683893	18.63

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

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO-15

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

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Sample No.: CCVIS 200-75211/2 Date Analyzed: 07/23/2014 09:29

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

Lab File ID (Standard): 8677_002.D Heated Purge: (Y/N) N

Calibration ID: 27544

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		108342	10.55	681851	12.57	683845	18.62
UPPER LIMIT		151679	10.88	954591	12.90	957383	18.95
LOWER LIMIT		65005	10.22	409111	12.24	410307	18.29
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 200-75211/3		114234	10.55	707502	12.57	730439	18.63
MB 200-75211/4		117946	10.55	723978	12.56	708230	18.62
280-58003-9	774776OA1LA	110067	10.55	648331	12.56	660180	18.62
280-58003-10	776IA1LA	102673	10.55	648616	12.56	638086	18.62

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

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO-15

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

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Sample No.: ICIS 200-73568/7 Date Analyzed: 06/14/2014 11:26

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

Lab File ID (Standard): 8058_007.d Heated Purge: (Y/N) N

Calibration ID: 27113

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		621706	12.86	3022390	14.74	2781609	20.43
UPPER LIMIT		870388	13.19	4231346	15.07	3894253	20.76
LOWER LIMIT		373024	12.53	1813434	14.41	1668965	20.10
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 200-73568/19		662374	12.86	3213738	14.74	2947455	20.43

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

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO-15

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

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Sample No.: CCVIS 200-75271/2 Date Analyzed: 07/24/2014 10:39

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

Lab File ID (Standard): 8696_002.d Heated Purge: (Y/N) N

Calibration ID: 27113

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		408451	12.84	1966648	14.73	1823112	20.43
UPPER LIMIT		571831	13.17	2753307	15.06	2552357	20.76
LOWER LIMIT		245071	12.51	1179989	14.40	1093867	20.10
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 200-75271/3		482925	12.84	2317154	14.73	2134204	20.43
MB 200-75271/4		485653	12.85	2370296	14.73	2102382	20.43
280-58003-8	774IA1LA	438178	12.85	2129419	14.73	1910175	20.43
280-58003-11	774776CA01KA	452886	12.85	2218063	14.73	1980114	20.43

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

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO-15

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

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Sample No.: CCVIS 200-75517/2 Date Analyzed: 07/31/2014 11:23

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

Lab File ID (Standard): 8801_002.d Heated Purge: (Y/N) N

Calibration ID: 27113

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		383068	12.84	1861065	14.73	1705757	20.43
UPPER LIMIT		536295	13.17	2605491	15.06	2388060	20.76
LOWER LIMIT		229841	12.51	1116639	14.40	1023454	20.10
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 200-75517/3		405137	12.84	1952934	14.73	1786194	20.43
MB 200-75517/6		415767	12.84	2058459	14.72	1838642	20.42
280-58003-1	774VMP0101KA	412085	12.85	2019382	14.72	1794217	20.42
280-58003-2	774VMP0201KA	390969	12.83	1919166	14.72	1658608	20.42
280-58003-3	774VMP0301KA	416860	12.85	2083229	14.73	1963976	20.43
280-58003-4	776VMP0201KC	383971	12.84	1883714	14.72	1679972	20.43
280-58003-5	776VMP0101KA	412764	12.84	2023145	14.73	1800813	20.42
280-58003-6	776VMP0201KA	347518	12.85	1666795	14.73	1525250	20.42
280-58003-7	776VMP0301KA	372946	12.84	1827807	14.73	1660370	20.43

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

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO-15

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

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Client Sample ID: 774VMP0101KA Lab Sample ID: 280-58003-1

Matrix: Air Lab File ID: 8801_008.d

Analysis Method: TO-15 Date Collected: 07/17/2014 09:15

Sample wt/vol: 27(mL) Date Analyzed: 07/31/2014 17:09

Soil Aliquot Vol: Dilution Factor: 14.1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75517 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	0.56	J D	7.1	0.42
75-45-6	Freon 22	86.47	320	D	7.1	0.68
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	1.1	U	2.8	0.49
74-87-3	Chloromethane	50.49	7.1	U	7.1	1.9
106-97-8	n-Butane	58.12	7.1	U	7.1	4.0
75-01-4	Vinyl chloride	62.50	1.1	U	2.8	0.54
106-99-0	1,3-Butadiene	54.09	1.1	U	2.8	0.59
74-83-9	Bromomethane	94.94	1.1	U	2.8	0.39
75-00-3	Chloroethane	64.52	1.1	U	7.1	0.42
593-60-2	Bromoethene(Vinyl Bromide)	106.96	1.1	U	2.8	0.42
75-69-4	Trichlorofluoromethane	137.37	2.6	J D	2.8	0.42
76-13-1	Freon TF	187.38	0.42	U	2.8	0.25
75-35-4	1,1-Dichloroethene	96.94	1.1	U	2.8	0.34
67-64-1	Acetone	58.08	35	U	71	18
67-63-0	Isopropyl alcohol	60.10	3.7	J D	71	3.0
75-15-0	Carbon disulfide	76.14	2.8	U	7.1	0.93
107-05-1	3-Chloropropene	76.53	1.1	U	7.1	0.48
75-09-2	Methylene Chloride	84.93	2.8	U	7.1	1.8
75-65-0	tert-Butyl alcohol	74.12	7.1	U	71	4.6
1634-04-4	Methyl tert-butyl ether	88.15	1.1	U	2.8	0.31
156-60-5	trans-1,2-Dichloroethene	96.94	1.1	U	2.8	0.41
110-54-3	n-Hexane	86.17	1.1	U	2.8	0.48
75-34-3	1,1-Dichloroethane	98.96	1.1	U	2.8	0.54
78-93-3	Methyl Ethyl Ketone	72.11	7.1	U	7.1	3.4
156-59-2	cis-1,2-Dichloroethene	96.94	1.1	U	2.8	0.54
540-59-0	1,2-Dichloroethene, Total	96.94	1.1	U	2.8	0.90
67-66-3	Chloroform	119.38	1.1	U	2.8	0.35
109-99-9	Tetrahydrofuran	72.11	1.1	U	71	0.65
71-55-6	1,1,1-Trichloroethane	133.41	1.1	U	2.8	0.30
110-82-7	Cyclohexane	84.16	1.1	U	2.8	0.35
56-23-5	Carbon tetrachloride	153.81	1.1	U	2.8	0.30
540-84-1	2,2,4-Trimethylpentane	114.23	1.1	U	2.8	0.38
71-43-2	Benzene	78.11	0.42	U	2.8	0.27
107-06-2	1,2-Dichloroethane	98.96	0.42	U	2.8	0.24

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

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Client Sample ID: 774VMP0101KA Lab Sample ID: 280-58003-1

Matrix: Air Lab File ID: 8801_008.d

Analysis Method: TO-15 Date Collected: 07/17/2014 09:15

Sample wt/vol: 27(mL) Date Analyzed: 07/31/2014 17:09

Soil Aliquot Vol: Dilution Factor: 14.1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75517 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
142-82-5	n-Heptane	100.21	1.1	U	2.8	0.65
79-01-6	Trichloroethene	131.39	1.1	U	2.8	0.34
80-62-6	Methyl methacrylate	100.12	1.1	U	7.1	0.42
78-87-5	1,2-Dichloropropane	112.99	1.1	U	2.8	0.45
123-91-1	1,4-Dioxane	88.11	2.8	U	71	2.8
75-27-4	Bromodichloromethane	163.83	0.42	U	2.8	0.24
10061-01-5	cis-1,3-Dichloropropene	110.97	1.1	U	2.8	0.39
108-10-1	methyl isobutyl ketone	100.16	1.1	U	7.1	0.38
108-88-3	Toluene	92.14	0.37	J D	2.8	0.24
10061-02-6	trans-1,3-Dichloropropene	110.97	1.1	U	2.8	0.31
79-00-5	1,1,2-Trichloroethane	133.41	0.42	U	2.8	0.24
127-18-4	Tetrachloroethene	165.83	0.42	U	2.8	0.23
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	2.8	U	7.1	2.8
124-48-1	Dibromochloromethane	208.29	0.42	U	2.8	0.28
106-93-4	1,2-Dibromoethane	187.87	1.1	U	2.8	0.28
108-90-7	Chlorobenzene	112.56	0.42	U	2.8	0.11
100-41-4	Ethylbenzene	106.17	0.42	U	2.8	0.18
179601-23-1	m,p-Xylene	106.17	1.1	U	7.1	0.32
95-47-6	Xylene, o-	106.17	0.42	U	2.8	0.23
1330-20-7	Xylene (total)	106.17	1.1	U	2.8	0.48
100-42-5	Styrene	104.15	0.42	U	2.8	0.25
75-25-2	Bromoform	252.75	0.42	U	2.8	0.14
98-82-8	Cumene	120.19	0.42	U	2.8	0.23
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.42	U	2.8	0.23
103-65-1	n-Propylbenzene	120.19	1.1	U	2.8	1.1
622-96-8	4-Ethyltoluene	120.20	0.42	U	2.8	0.25
108-67-8	1,3,5-Trimethylbenzene	120.20	0.42	U	2.8	0.17
95-49-8	2-Chlorotoluene	126.59	0.42	U	2.8	0.18
98-06-6	tert-Butylbenzene	134.22	0.42	U	2.8	0.24
95-63-6	1,2,4-Trimethylbenzene	120.20	0.42	U	2.8	0.20
135-98-8	sec-Butylbenzene	134.22	1.1	U	2.8	1.1
99-87-6	4-Isopropyltoluene	134.22	1.1	U	2.8	1.1
541-73-1	1,3-Dichlorobenzene	147.00	0.42	U	2.8	0.20
106-46-7	1,4-Dichlorobenzene	147.00	0.42	U	2.8	0.20

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

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Client Sample ID: 774VMP0101KA Lab Sample ID: 280-58003-1

Matrix: Air Lab File ID: 8801_008.d

Analysis Method: TO-15 Date Collected: 07/17/2014 09:15

Sample wt/vol: 27(mL) Date Analyzed: 07/31/2014 17:09

Soil Aliquot Vol: Dilution Factor: 14.1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75517 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	1.1	U	2.8	1.1
104-51-8	n-Butylbenzene	134.22	1.1	U	2.8	1.1
95-50-1	1,2-Dichlorobenzene	147.00	0.42	U	2.8	0.20
120-82-1	1,2,4-Trichlorobenzene	181.45	1.1	U	7.1	0.38
87-68-3	Hexachlorobutadiene	260.76	1.1	U	2.8	0.31
91-20-3	Naphthalene	128.17	2.8	U	7.1	2.8

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

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Client Sample ID: 774VMP0101KA Lab Sample ID: 280-58003-1

Matrix: Air Lab File ID: 8801_008.d

Analysis Method: TO-15 Date Collected: 07/17/2014 09:15

Sample wt/vol: 27(mL) Date Analyzed: 07/31/2014 17:09

Soil Aliquot Vol: Dilution Factor: 14.1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75517 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	2.8	J D	35	2.1
75-45-6	Freon 22	86.47	1100	D	25	2.4
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	7.9	U	20	3.4
74-87-3	Chloromethane	50.49	15	U	15	4.0
106-97-8	n-Butane	58.12	17	U	17	9.5
75-01-4	Vinyl chloride	62.50	2.9	U	7.2	1.4
106-99-0	1,3-Butadiene	54.09	2.5	U	6.2	1.3
74-83-9	Bromomethane	94.94	4.4	U	11	1.5
75-00-3	Chloroethane	64.52	3.0	U	19	1.1
593-60-2	Bromoethene(Vinyl Bromide)	106.96	4.9	U	12	1.9
75-69-4	Trichlorofluoromethane	137.37	15	J D	16	2.4
76-13-1	Freon TF	187.38	3.2	U	22	1.9
75-35-4	1,1-Dichloroethene	96.94	4.5	U	11	1.3
67-64-1	Acetone	58.08	84	U	170	42
67-63-0	Isopropyl alcohol	60.10	9.0	J D	170	7.5
75-15-0	Carbon disulfide	76.14	8.8	U	22	2.9
107-05-1	3-Chloropropene	76.53	3.5	U	22	1.5
75-09-2	Methylene Chloride	84.93	9.8	U	24	6.1
75-65-0	tert-Butyl alcohol	74.12	21	U	210	14
1634-04-4	Methyl tert-butyl ether	88.15	4.1	U	10	1.1
156-60-5	trans-1,2-Dichloroethene	96.94	4.5	U	11	1.6
110-54-3	n-Hexane	86.17	4.0	U	9.9	1.7
75-34-3	1,1-Dichloroethane	98.96	4.6	U	11	2.2
78-93-3	Methyl Ethyl Ketone	72.11	21	U	21	10
156-59-2	cis-1,2-Dichloroethene	96.94	4.5	U	11	2.1
540-59-0	1,2-Dichloroethene, Total	96.94	4.5	U	11	3.6
67-66-3	Chloroform	119.38	5.5	U	14	1.7
109-99-9	Tetrahydrofuran	72.11	3.3	U	210	1.9
71-55-6	1,1,1-Trichloroethane	133.41	6.2	U	15	1.6
110-82-7	Cyclohexane	84.16	3.9	U	9.7	1.2
56-23-5	Carbon tetrachloride	153.81	7.1	U	18	1.9
540-84-1	2,2,4-Trimethylpentane	114.23	5.3	U	13	1.8
71-43-2	Benzene	78.11	1.4	U	9.0	0.86
107-06-2	1,2-Dichloroethane	98.96	1.7	U	11	0.97

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

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Client Sample ID: 774VMP0101KA Lab Sample ID: 280-58003-1

Matrix: Air Lab File ID: 8801_008.d

Analysis Method: TO-15 Date Collected: 07/17/2014 09:15

Sample wt/vol: 27(mL) Date Analyzed: 07/31/2014 17:09

Soil Aliquot Vol: Dilution Factor: 14.1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75517 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
142-82-5	n-Heptane	100.21	4.6	U	12	2.7
79-01-6	Trichloroethene	131.39	6.1	U	15	1.8
80-62-6	Methyl methacrylate	100.12	4.6	U	29	1.7
78-87-5	1,2-Dichloropropane	112.99	5.2	U	13	2.1
123-91-1	1,4-Dioxane	88.11	10	U	250	10
75-27-4	Bromodichloromethane	163.83	2.8	U	19	1.6
10061-01-5	cis-1,3-Dichloropropene	110.97	5.1	U	13	1.8
108-10-1	methyl isobutyl ketone	100.16	4.6	U	29	1.6
108-88-3	Toluene	92.14	1.4	J D	11	0.90
10061-02-6	trans-1,3-Dichloropropene	110.97	5.1	U	13	1.4
79-00-5	1,1,2-Trichloroethane	133.41	2.3	U	15	1.3
127-18-4	Tetrachloroethene	165.83	2.9	U	19	1.5
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	12	U	29	12
124-48-1	Dibromochloromethane	208.29	3.6	U	24	2.4
106-93-4	1,2-Dibromoethane	187.87	8.7	U	22	2.2
108-90-7	Chlorobenzene	112.56	1.9	U	13	0.53
100-41-4	Ethylbenzene	106.17	1.8	U	12	0.80
179601-23-1	m,p-Xylene	106.17	4.9	U	31	1.4
95-47-6	Xylene, o-	106.17	1.8	U	12	0.98
1330-20-7	Xylene (total)	106.17	4.9	U	12	2.1
100-42-5	Styrene	104.15	1.8	U	12	1.1
75-25-2	Bromoform	252.75	4.4	U	29	1.5
98-82-8	Cumene	120.19	2.1	U	14	1.1
79-34-5	1,1,2,2-Tetrachloroethane	167.85	2.9	U	19	1.5
103-65-1	n-Propylbenzene	120.19	5.5	U	14	5.5
622-96-8	4-Ethyltoluene	120.20	2.1	U	14	1.2
108-67-8	1,3,5-Trimethylbenzene	120.20	2.1	U	14	0.83
95-49-8	2-Chlorotoluene	126.59	2.2	U	15	0.95
98-06-6	tert-Butylbenzene	134.22	2.3	U	15	1.3
95-63-6	1,2,4-Trimethylbenzene	120.20	2.1	U	14	0.97
135-98-8	sec-Butylbenzene	134.22	6.2	U	15	6.2
99-87-6	4-Isopropyltoluene	134.22	6.2	U	15	6.2
541-73-1	1,3-Dichlorobenzene	147.00	2.5	U	17	1.2
106-46-7	1,4-Dichlorobenzene	147.00	2.5	U	17	1.2

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

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Client Sample ID: 774VMP0101KA Lab Sample ID: 280-58003-1

Matrix: Air Lab File ID: 8801_008.d

Analysis Method: TO-15 Date Collected: 07/17/2014 09:15

Sample wt/vol: 27(mL) Date Analyzed: 07/31/2014 17:09

Soil Aliquot Vol: Dilution Factor: 14.1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75517 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	5.8	U	15	5.8
104-51-8	n-Butylbenzene	134.22	6.2	U	15	6.2
95-50-1	1,2-Dichlorobenzene	147.00	2.5	U	17	1.2
120-82-1	1,2,4-Trichlorobenzene	181.45	8.4	U	52	2.8
87-68-3	Hexachlorobutadiene	260.76	12	U	30	3.3
91-20-3	Naphthalene	128.17	15	U	37	15

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140731-8801.b\8801_008.d
Lims ID: 280-58003-A-1 Lab Sample ID: 200-58003-1
Client ID: 774VMP0101KA
Sample Type: Client
Inject. Date: 31-Jul-2014 17:09:30 ALS Bottle#: 6 Worklist Smp#: 8
Purge Vol: 200.000 mL Dil. Factor: 14.1000
Sample Info: 200-0008801-008
Misc. Info.: 280-58003-a-1
Operator ID: BPL Instrument ID: CHW.i

Method: \\BTV-LIMS1\ChromData\CHW.i\20140731-8801.b\TO15_LLNJ_TO3_W_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 01-Aug-2014 10:24:29 Calib Date: 15-Jun-2014 00:33:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20140613-8058.b\8058_017.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK037

First Level Reviewer: lyonsb Date: 01-Aug-2014 09:56:39

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
	2 Dichlorodifluoromethane	85	4.478	4.494	-0.016	95	4825	0.0400	
	6 Chlorodifluoromethane	51	4.547	4.558	-0.011	97	1384431	23.0	
	7 1,2-Dichloro-1,1,2,2-tetra	85		4.847				ND	
	8 Chloromethane	50		5.039				ND	
	9 Butane	43		5.307				ND	
	10 Vinyl chloride	62		5.355				ND	
	11 Butadiene	54		5.457				ND	
	12 Bromomethane	94		6.329				ND	
	14 Chloroethane	64		6.612				ND	
	16 Vinyl bromide	106		7.083				ND	
	17 Trichlorofluoromethane	101	7.190	7.195	-0.005	98	24897	0.1873	
	23 1,1,2-Trichloro-1,2,2-trif	101		8.447				ND	
	24 1,1-Dichloroethene	96		8.522				ND	
	25 Acetone	43		8.746				ND	
	26 Carbon disulfide	76		9.003				ND	
	27 Isopropyl alcohol	45	9.041	9.057	-0.016	97	13812	0.2604	
	29 3-Chloro-1-propene	41		9.399				ND	
	31 Methylene Chloride	49		9.736				ND	
	32 2-Methyl-2-propanol	59		9.918				ND	
	33 Methyl tert-butyl ether	73		10.170				ND	
S	41 1,2-Dichloroethene, Total	61		10.200				0	
	34 trans-1,2-Dichloroethene	61		10.228				ND	
	36 Hexane	57		10.651				ND	
	37 1,1-Dichloroethane	63		11.191				ND	
	39 cis-1,2-Dichloroethene	96		12.374				ND	
	40 2-Butanone (MEK)	72		12.395				ND	
	44 Tetrahydrofuran	42		12.855				ND	
*	43 Chlorobromomethane	128	12.845	12.850	-0.005	78	412085	10.0	
	45 Chloroform	83		12.962				ND	
	46 Cyclohexane	84		13.262				ND	
	47 1,1,1-Trichloroethane	97		13.262				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
48 Carbon tetrachloride	117		13.524				ND	
51 Isooctane	57		13.914				ND	
50 Benzene	78		13.973				ND	
52 1,2-Dichloroethane	62		14.134				ND	
53 n-Heptane	43		14.267				ND	
* 54 1,4-Difluorobenzene	114	14.722	14.733	-0.011	91	2019382	10.0	
56 Trichloroethene	95		15.204				ND	
58 1,2-Dichloropropane	63		15.717				ND	
59 Methyl methacrylate	69		15.803				ND	
60 1,4-Dioxane	88		15.899				ND	
62 Dichlorobromomethane	83		16.204				ND	
64 cis-1,3-Dichloropropene	75		17.071				ND	
65 4-Methyl-2-pentanone (MIBK	43		17.301				ND	
66 Toluene	92	17.633	17.638	-0.005	89	3330	0.0261	
70 trans-1,3-Dichloropropene	75		18.178				ND	
71 1,1,2-Trichloroethane	83		18.542				ND	
72 Tetrachloroethene	166		18.681				ND	
73 2-Hexanone	43		18.927				ND	
74 Chlorodibromomethane	129		19.296				ND	
75 Ethylene Dibromide	107		19.574				ND	
S 82 Xylenes, Total	106				0		0.0126	
* 76 Chlorobenzene-d5	117	20.420	20.425	-0.005	80	1794217	10.0	
77 Chlorobenzene	112		20.479				ND	
78 Ethylbenzene	91	20.591	20.596	-0.005	93	2262	0.008922	
80 m-Xylene & p-Xylene	106	20.805	20.810	-0.005	90	1360	0.0126	
83 o-Xylene	106		21.522				ND	
84 Styrene	104		21.564				ND	
85 Bromoform	173		21.944				ND	
86 Isopropylbenzene	105		22.089				ND	
$ 87 4-Bromofluorobenzene	95	22.426	22.426	0.000	97	1045736	NC	
88 1,1,2,2-Tetrachloroethane	83		22.650				ND	
90 N-Propylbenzene	91		22.720				ND	
91 4-Ethyltoluene	105		22.891				ND	
92 2-Chlorotoluene	91		22.923				ND	
94 1,3,5-Trimethylbenzene	105		22.982				ND	
96 tert-Butylbenzene	119		23.453				ND	
97 1,2,4-Trimethylbenzene	105		23.549				ND	
98 sec-Butylbenzene	105		23.785				ND	
99 4-Isopropyltoluene	119		23.988				ND	
100 1,3-Dichlorobenzene	146		24.057				ND	
101 1,4-Dichlorobenzene	146		24.202				ND	
102 Benzyl chloride	91		24.411				ND	
103 n-Butylbenzene	91		24.625				ND	
105 1,2-Dichlorobenzene	146		24.812				ND	
107 1,2,4-Trichlorobenzene	180		27.695				ND	
108 Hexachlorobutadiene	225		27.893				ND	
109 Naphthalene	128		28.278				ND	

QC Flag Legend

Processing Flags
NC - Not Calibrated
ND - Not Detected or Marked ND

Reagents:

ATTO15WISs_00003 Amount Added: 20.00 Units: mL Run Reagent

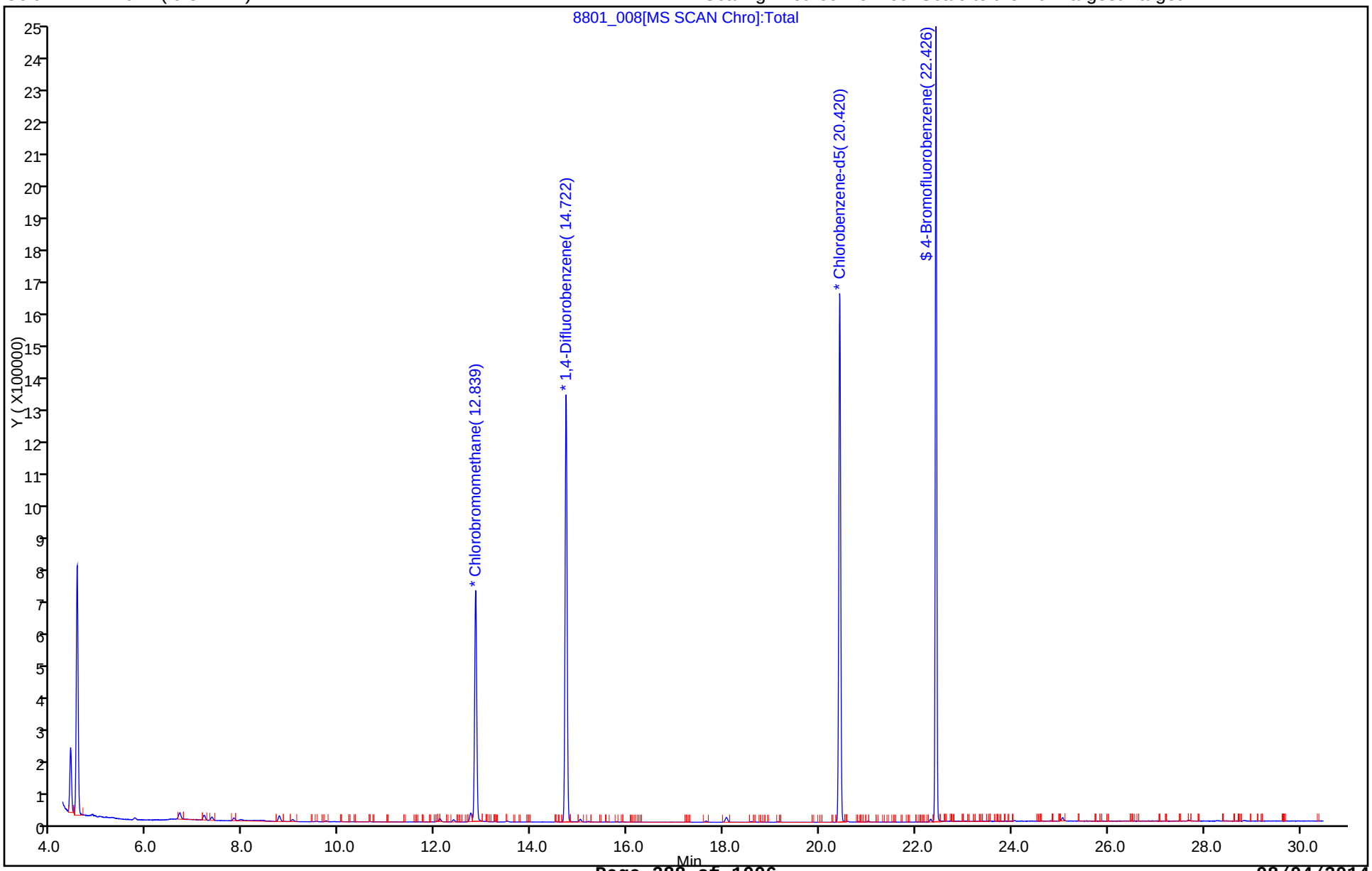
Report Date: 01-Aug-2014 10:24:40 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140731-8801.b\8801_008.d

Injection Date:	31-Jul-2014 17:09:30	Instrument ID:	CHW.i	Operator ID:	BPL
Lims ID:	280-58003-A-1	Lab Sample ID:	200-58003-1	Worklist Smp#:	8
Client ID:	774VMP0101KA				
Purge Vol:	200.000 mL	Dil. Factor:	14.1000	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



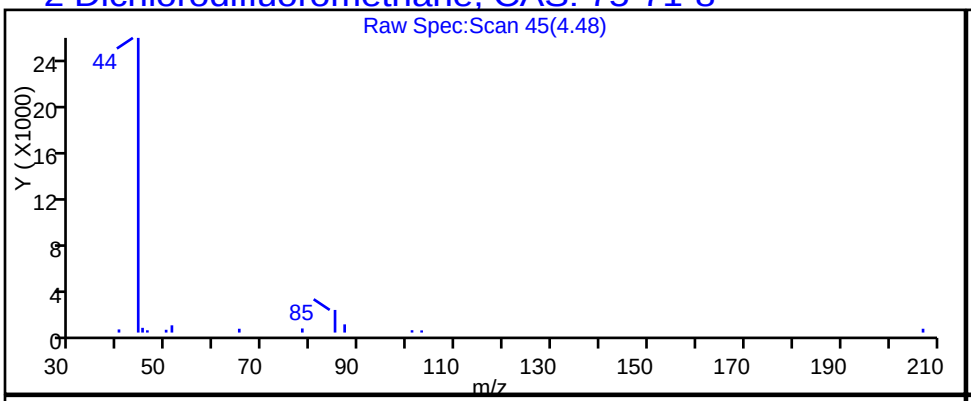
Report Date: 01-Aug-2014 10:24:40 Chrom Revision: 2.2 24-Jun-2014 07:21:42

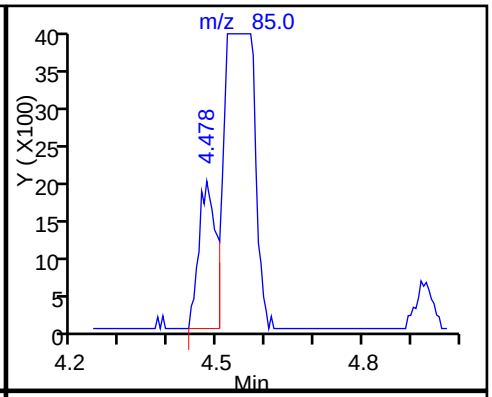
TestAmerica Burlington

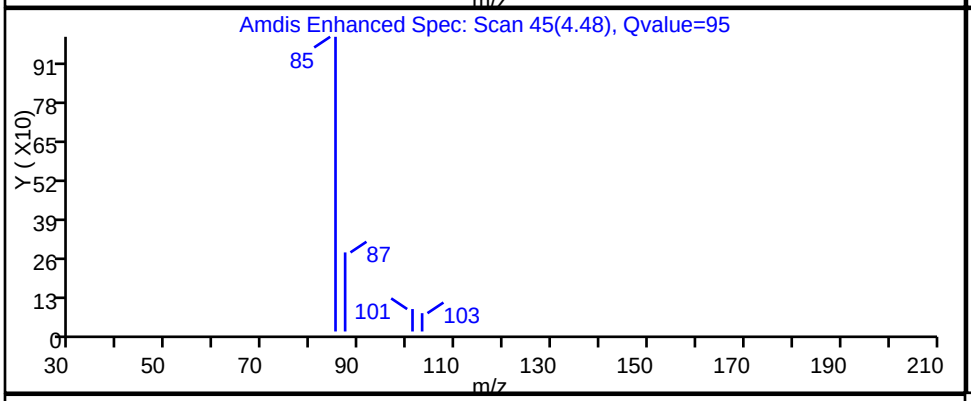
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140731-8801.b\8801_008.d

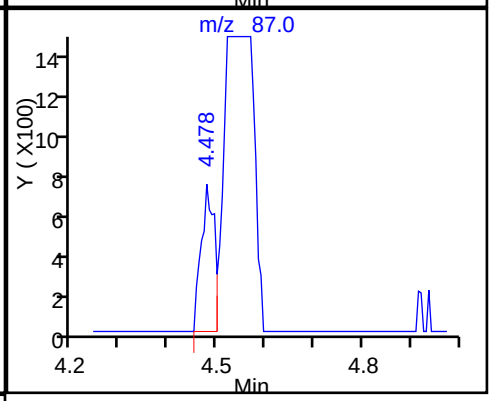
Injection Date:	31-Jul-2014 17:09:30	Instrument ID:	CHW.i		
Lims ID:	280-58003-A-1	Lab Sample ID:	200-58003-1		
Client ID:	774VMP0101KA				
Operator ID:	BPL	ALS Bottle#:	6	Worklist Smp#:	8
Purge Vol:	200.000 mL	Dil. Factor:	14.1000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

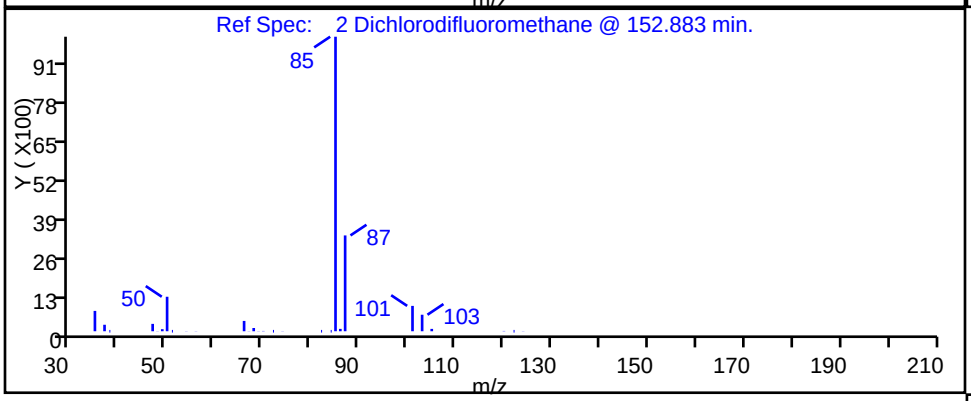
2 Dichlorodifluoromethane, CAS: 75-71-8

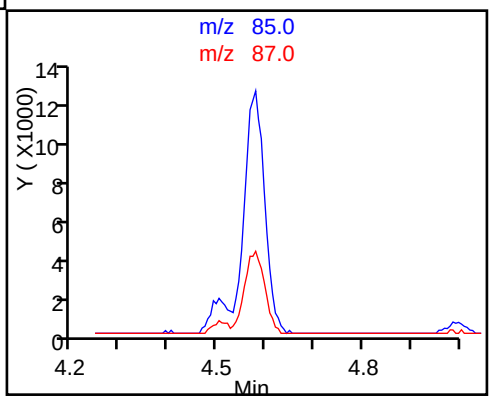












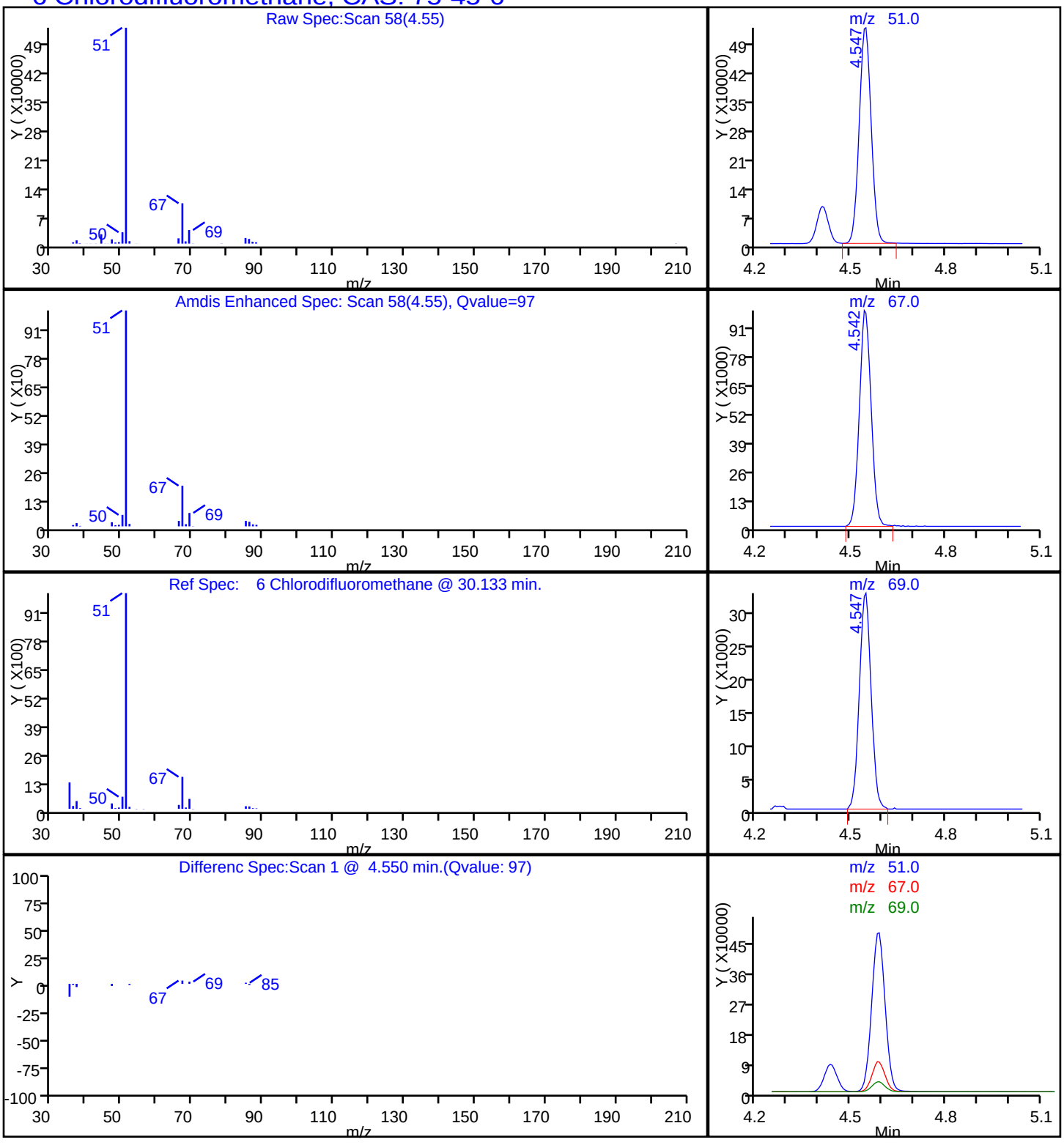
Report Date: 01-Aug-2014 10:24:40 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140731-8801.b\8801_008.d

Injection Date:	31-Jul-2014 17:09:30	Instrument ID:	CHW.i		
Lims ID:	280-58003-A-1	Lab Sample ID:	200-58003-1		
Client ID:	774VMP0101KA				
Operator ID:	BPL	ALS Bottle#:	6	Worklist Smp#:	8
Purge Vol:	200.000 mL	Dil. Factor:	14.1000		
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



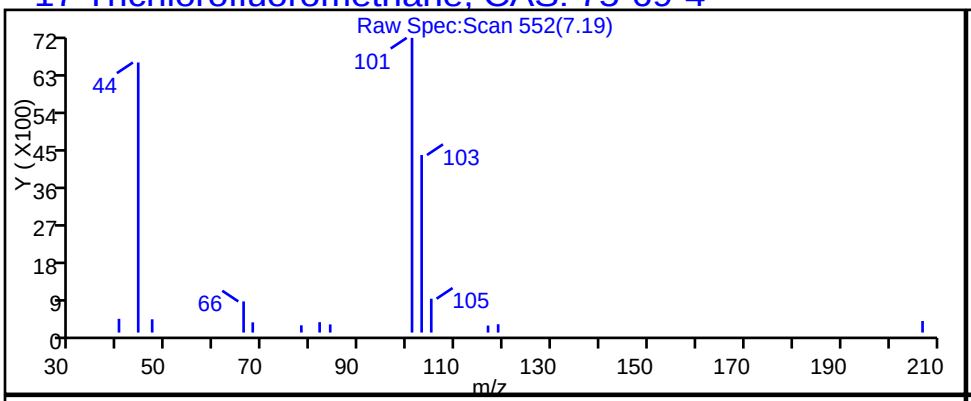
Report Date: 01-Aug-2014 10:24:40 Chrom Revision: 2.2 24-Jun-2014 07:21:42

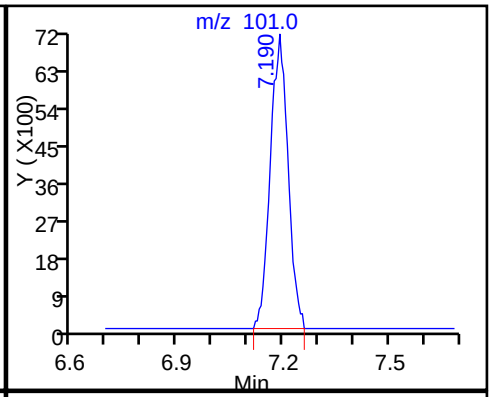
TestAmerica Burlington

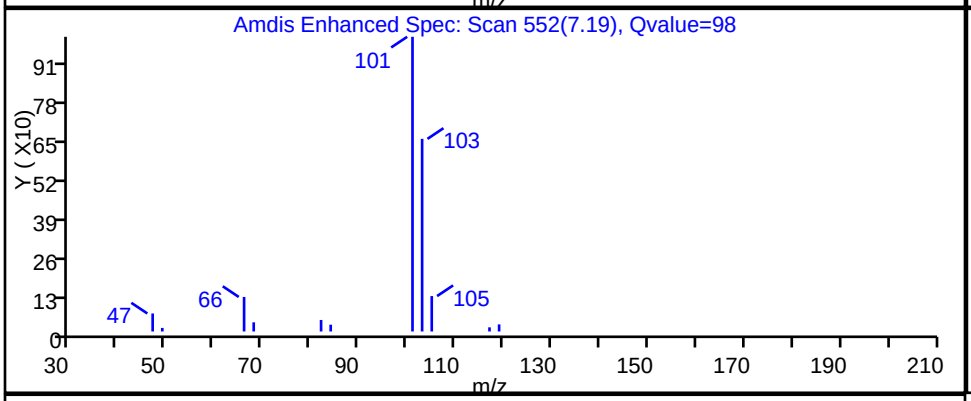
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140731-8801.b\8801_008.d

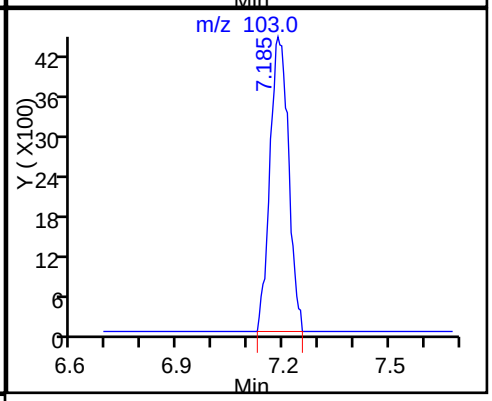
Injection Date:	31-Jul-2014 17:09:30	Instrument ID:	CHW.i
Lims ID:	280-58003-A-1	Lab Sample ID:	200-58003-1
Client ID:	774VMP0101KA		
Operator ID:	BPL	ALS Bottle#:	6 Worklist Smp#: 8
Purge Vol:	200.000 mL	Dil. Factor:	14.1000
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN

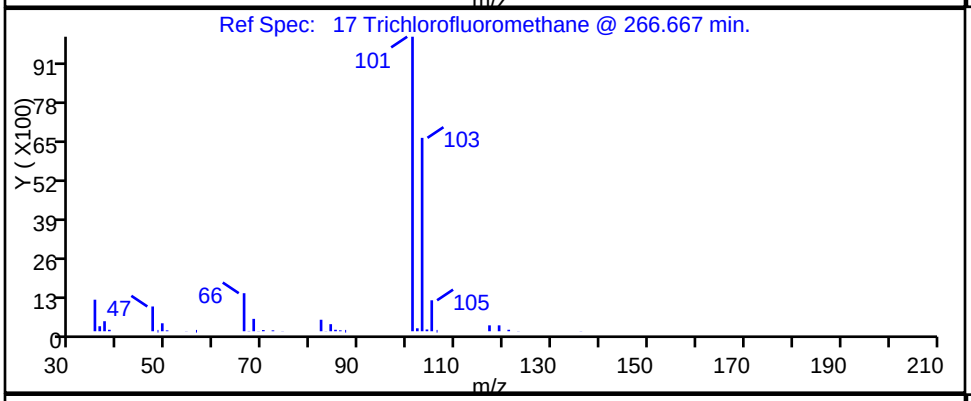
17 Trichlorofluoromethane, CAS: 75-69-4

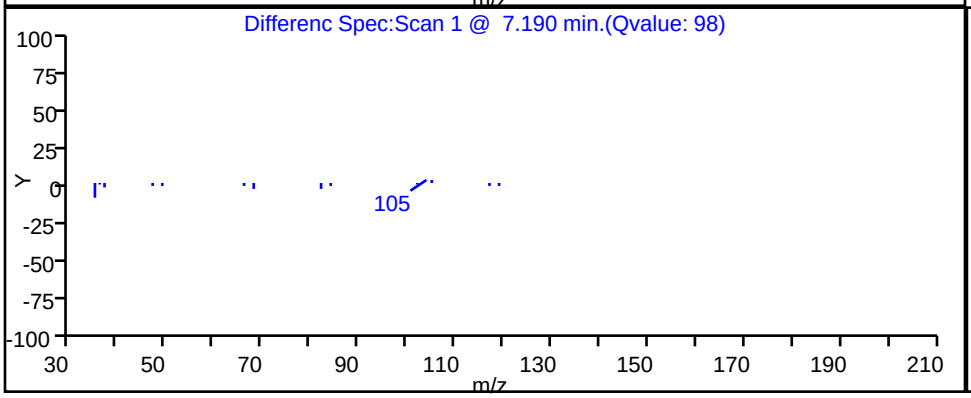


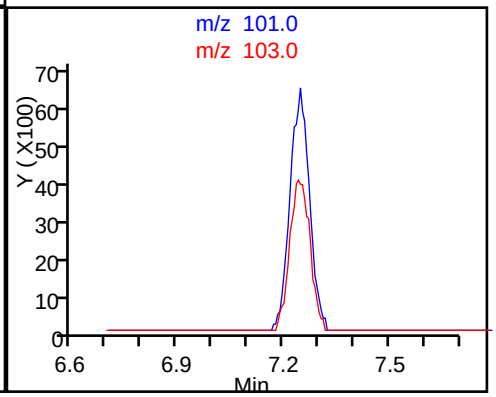












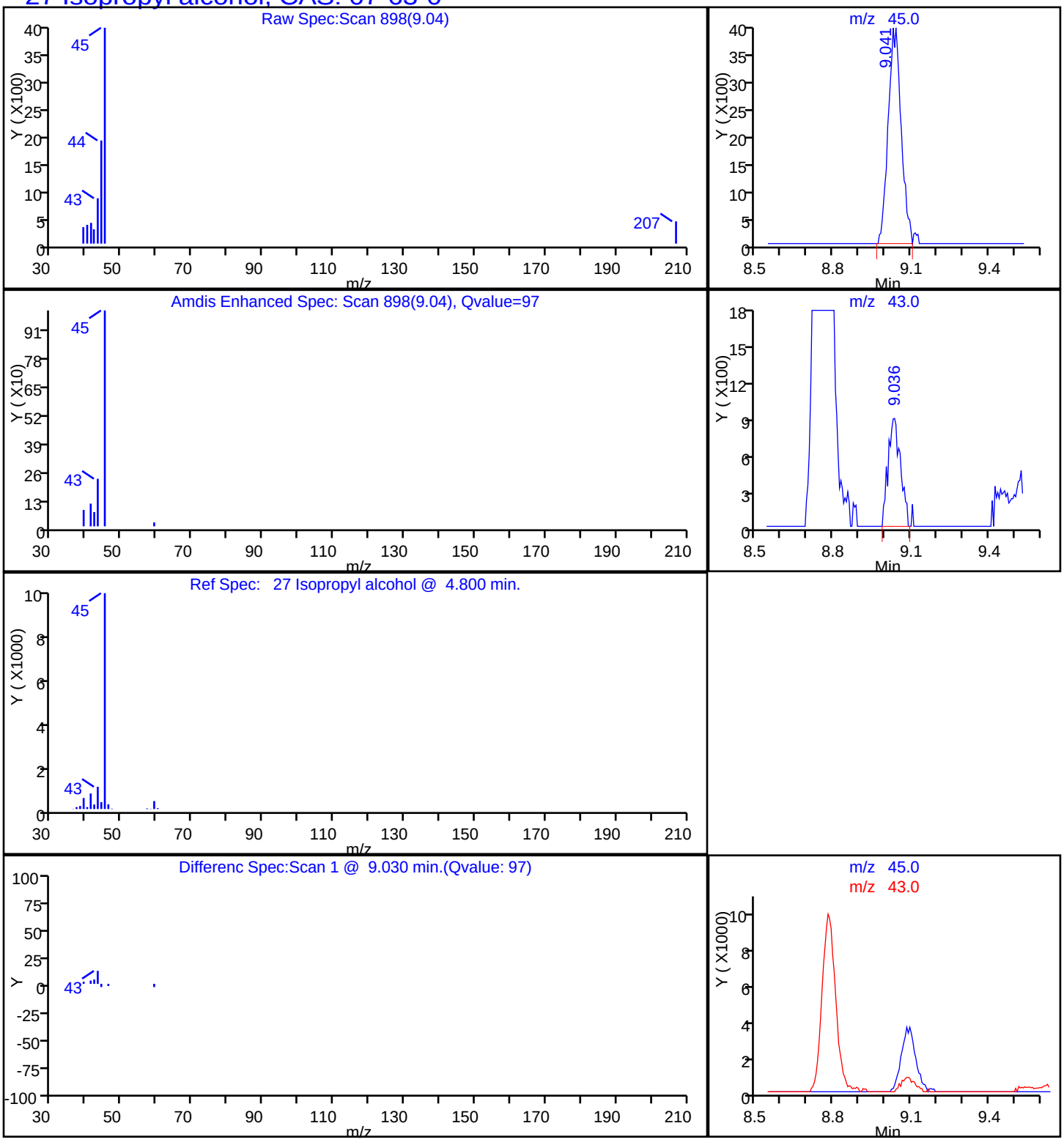
Report Date: 01-Aug-2014 10:24:40 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140731-8801.b\8801_008.d

Injection Date:	31-Jul-2014 17:09:30	Instrument ID:	CHW.i		
Lims ID:	280-58003-A-1	Lab Sample ID:	200-58003-1		
Client ID:	774VMP0101KA				
Operator ID:	BPL	ALS Bottle#:	6	Worklist Smp#:	8
Purge Vol:	200.000 mL	Dil. Factor:	14.1000		
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



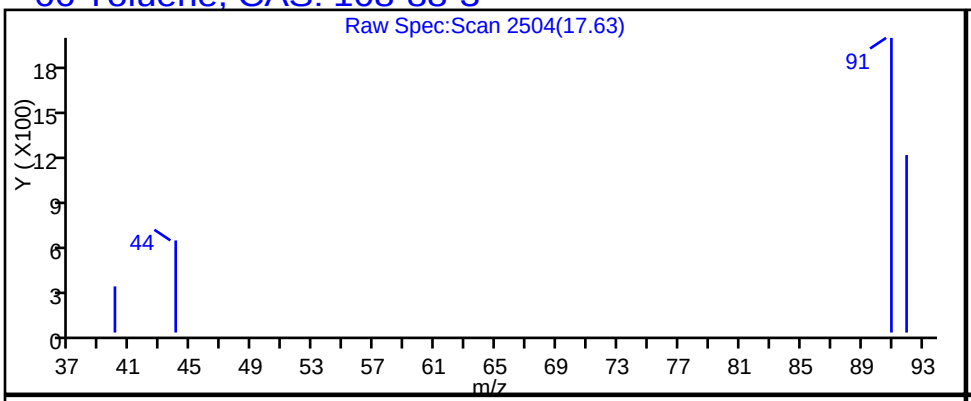
Report Date: 01-Aug-2014 10:24:40 Chrom Revision: 2.2 24-Jun-2014 07:21:42

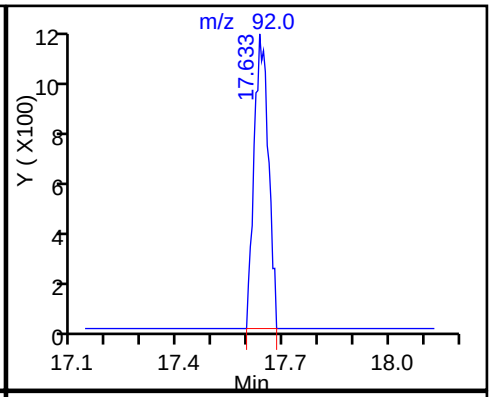
TestAmerica Burlington

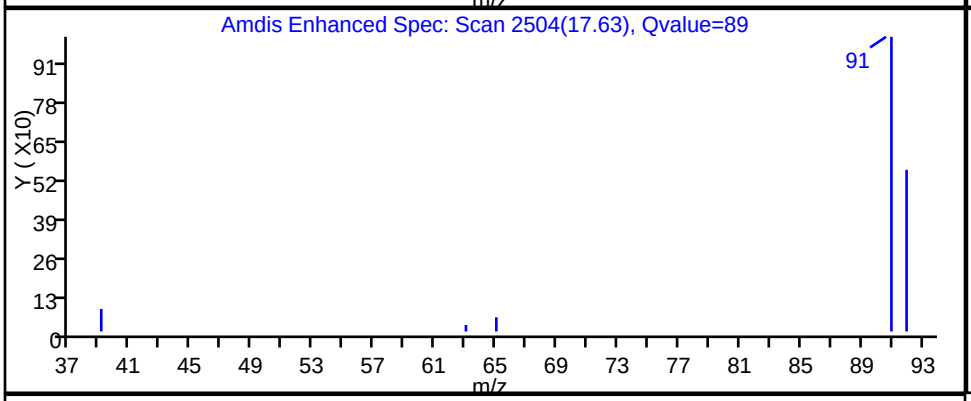
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140731-8801.b\8801_008.d

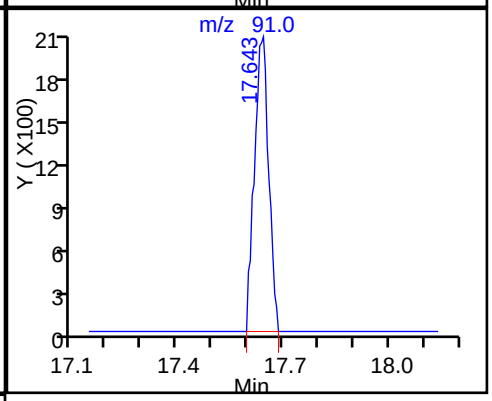
Injection Date:	31-Jul-2014 17:09:30	Instrument ID:	CHW.i		
Lims ID:	280-58003-A-1	Lab Sample ID:	200-58003-1		
Client ID:	774VMP0101KA				
Operator ID:	BPL	ALS Bottle#:	6	Worklist Smp#:	8
Purge Vol:	200.000 mL	Dil. Factor:	14.1000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

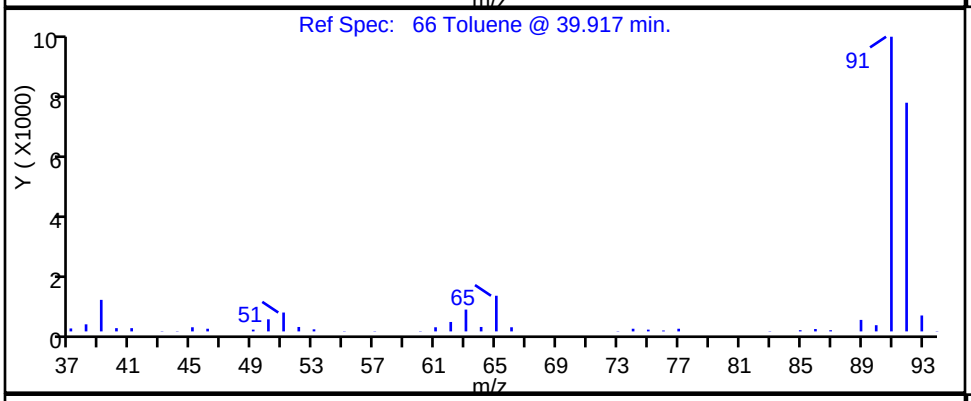
66 Toluene, CAS: 108-88-3

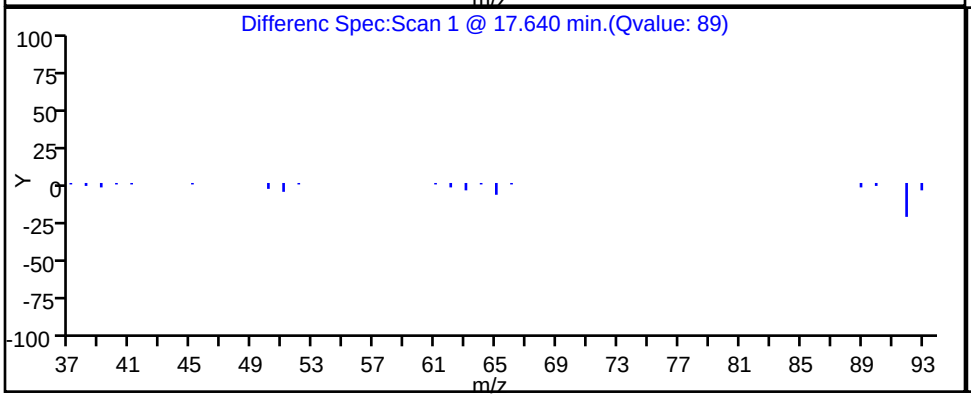


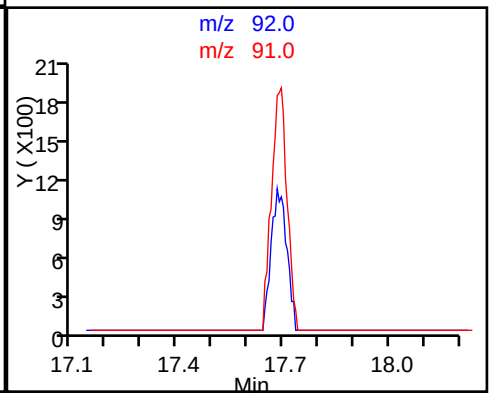












FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Client Sample ID: 774VMP0201KA Lab Sample ID: 280-58003-2

Matrix: Air Lab File ID: 8801_009.d

Analysis Method: TO-15 Date Collected: 07/17/2014 09:25

Sample wt/vol: 24(mL) Date Analyzed: 07/31/2014 17:58

Soil Aliquot Vol: Dilution Factor: 18.3

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75517 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	1.5	U	9.2	0.55
75-45-6	Freon 22	86.47	380	D	9.2	0.88
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	1.5	U	3.7	0.64
74-87-3	Chloromethane	50.49	9.2	U	9.2	2.5
106-97-8	n-Butane	58.12	9.2	U	9.2	5.2
75-01-4	Vinyl chloride	62.50	1.5	U	3.7	0.70
106-99-0	1,3-Butadiene	54.09	1.5	U	3.7	0.77
74-83-9	Bromomethane	94.94	1.5	U	3.7	0.51
75-00-3	Chloroethane	64.52	1.5	U	9.2	0.55
593-60-2	Bromoethene(Vinyl Bromide)	106.96	1.5	U	3.7	0.55
75-69-4	Trichlorofluoromethane	137.37	2.6	J D	3.7	0.55
76-13-1	Freon TF	187.38	0.55	U	3.7	0.33
75-35-4	1,1-Dichloroethene	96.94	1.5	U	3.7	0.44
67-64-1	Acetone	58.08	46	U	92	23
67-63-0	Isopropyl alcohol	60.10	4.7	J D	92	3.9
75-15-0	Carbon disulfide	76.14	3.7	U	9.2	1.2
107-05-1	3-Chloropropene	76.53	1.5	U	9.2	0.62
75-09-2	Methylene Chloride	84.93	3.7	U	9.2	2.3
75-65-0	tert-Butyl alcohol	74.12	9.2	U	92	6.0
1634-04-4	Methyl tert-butyl ether	88.15	1.5	U	3.7	0.40
156-60-5	trans-1,2-Dichloroethene	96.94	1.5	U	3.7	0.53
110-54-3	n-Hexane	86.17	1.5	U	3.7	0.62
75-34-3	1,1-Dichloroethane	98.96	1.5	U	3.7	0.70
78-93-3	Methyl Ethyl Ketone	72.11	9.2	U	9.2	4.4
156-59-2	cis-1,2-Dichloroethene	96.94	1.5	U	3.7	0.70
540-59-0	1,2-Dichloroethene, Total	96.94	1.5	U	3.7	1.2
67-66-3	Chloroform	119.38	1.5	U	3.7	0.46
109-99-9	Tetrahydrofuran	72.11	1.5	U	92	0.84
71-55-6	1,1,1-Trichloroethane	133.41	1.5	U	3.7	0.38
110-82-7	Cyclohexane	84.16	1.5	U	3.7	0.46
56-23-5	Carbon tetrachloride	153.81	1.5	U	3.7	0.38
540-84-1	2,2,4-Trimethylpentane	114.23	1.5	U	3.7	0.49
71-43-2	Benzene	78.11	0.55	U	3.7	0.35
107-06-2	1,2-Dichloroethane	98.96	0.55	U	3.7	0.31

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

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Client Sample ID: 774VMP0201KA Lab Sample ID: 280-58003-2

Matrix: Air Lab File ID: 8801_009.d

Analysis Method: TO-15 Date Collected: 07/17/2014 09:25

Sample wt/vol: 24(mL) Date Analyzed: 07/31/2014 17:58

Soil Aliquot Vol: Dilution Factor: 18.3

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75517 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
142-82-5	n-Heptane	100.21	1.5	U	3.7	0.84
79-01-6	Trichloroethene	131.39	1.5	U	3.7	0.44
80-62-6	Methyl methacrylate	100.12	1.5	U	9.2	0.55
78-87-5	1,2-Dichloropropane	112.99	1.5	U	3.7	0.59
123-91-1	1,4-Dioxane	88.11	3.7	U	92	3.7
75-27-4	Bromodichloromethane	163.83	0.55	U	3.7	0.31
10061-01-5	cis-1,3-Dichloropropene	110.97	1.5	U	3.7	0.51
108-10-1	methyl isobutyl ketone	100.16	1.5	U	9.2	0.49
108-88-3	Toluene	92.14	0.55	U	3.7	0.31
10061-02-6	trans-1,3-Dichloropropene	110.97	1.5	U	3.7	0.40
79-00-5	1,1,2-Trichloroethane	133.41	0.55	U	3.7	0.31
127-18-4	Tetrachloroethene	165.83	0.55	U	3.7	0.29
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	3.7	U	9.2	3.7
124-48-1	Dibromochloromethane	208.29	0.55	U	3.7	0.37
106-93-4	1,2-Dibromoethane	187.87	1.5	U	3.7	0.37
108-90-7	Chlorobenzene	112.56	0.55	U	3.7	0.15
100-41-4	Ethylbenzene	106.17	0.55	U	3.7	0.24
179601-23-1	m,p-Xylene	106.17	1.5	U	9.2	0.42
95-47-6	Xylene, o-	106.17	0.55	U	3.7	0.29
1330-20-7	Xylene (total)	106.17	1.5	U	3.7	0.62
100-42-5	Styrene	104.15	0.55	U	3.7	0.33
75-25-2	Bromoform	252.75	0.55	U	3.7	0.18
98-82-8	Cumene	120.19	0.55	U	3.7	0.29
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.55	U	3.7	0.29
103-65-1	n-Propylbenzene	120.19	1.5	U	3.7	1.5
622-96-8	4-Ethyltoluene	120.20	0.55	U	3.7	0.33
108-67-8	1,3,5-Trimethylbenzene	120.20	0.55	U	3.7	0.22
95-49-8	2-Chlorotoluene	126.59	0.55	U	3.7	0.24
98-06-6	tert-Butylbenzene	134.22	0.55	U	3.7	0.31
95-63-6	1,2,4-Trimethylbenzene	120.20	0.55	U	3.7	0.26
135-98-8	sec-Butylbenzene	134.22	1.5	U	3.7	1.5
99-87-6	4-Isopropyltoluene	134.22	1.5	U	3.7	1.5
541-73-1	1,3-Dichlorobenzene	147.00	0.55	U	3.7	0.26
106-46-7	1,4-Dichlorobenzene	147.00	0.55	U	3.7	0.26

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

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Client Sample ID: 774VMP0201KA Lab Sample ID: 280-58003-2

Matrix: Air Lab File ID: 8801_009.d

Analysis Method: TO-15 Date Collected: 07/17/2014 09:25

Sample wt/vol: 24(mL) Date Analyzed: 07/31/2014 17:58

Soil Aliquot Vol: Dilution Factor: 18.3

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75517 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	1.5	U	3.7	1.5
104-51-8	n-Butylbenzene	134.22	1.5	U	3.7	1.5
95-50-1	1,2-Dichlorobenzene	147.00	0.55	U	3.7	0.26
120-82-1	1,2,4-Trichlorobenzene	181.45	1.5	U	9.2	0.49
87-68-3	Hexachlorobutadiene	260.76	1.5	U	3.7	0.40
91-20-3	Naphthalene	128.17	3.7	U	9.2	3.7

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

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Client Sample ID: 774VMP0201KA Lab Sample ID: 280-58003-2

Matrix: Air Lab File ID: 8801_009.d

Analysis Method: TO-15 Date Collected: 07/17/2014 09:25

Sample wt/vol: 24(mL) Date Analyzed: 07/31/2014 17:58

Soil Aliquot Vol: Dilution Factor: 18.3

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75517 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	7.2	U	45	2.7
75-45-6	Freon 22	86.47	1300	D	32	3.1
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	10	U	26	4.5
74-87-3	Chloromethane	50.49	19	U	19	5.1
106-97-8	n-Butane	58.12	22	U	22	12
75-01-4	Vinyl chloride	62.50	3.7	U	9.4	1.8
106-99-0	1,3-Butadiene	54.09	3.2	U	8.1	1.7
74-83-9	Bromomethane	94.94	5.7	U	14	2.0
75-00-3	Chloroethane	64.52	3.9	U	24	1.4
593-60-2	Bromoethene(Vinyl Bromide)	106.96	6.4	U	16	2.4
75-69-4	Trichlorofluoromethane	137.37	14	J D	21	3.1
76-13-1	Freon TF	187.38	4.2	U	28	2.5
75-35-4	1,1-Dichloroethene	96.94	5.8	U	15	1.7
67-64-1	Acetone	58.08	110	U	220	54
67-63-0	Isopropyl alcohol	60.10	12	J D	220	9.7
75-15-0	Carbon disulfide	76.14	11	U	28	3.8
107-05-1	3-Chloropropene	76.53	4.6	U	29	1.9
75-09-2	Methylene Chloride	84.93	13	U	32	7.9
75-65-0	tert-Butyl alcohol	74.12	28	U	280	18
1634-04-4	Methyl tert-butyl ether	88.15	5.3	U	13	1.5
156-60-5	trans-1,2-Dichloroethene	96.94	5.8	U	15	2.1
110-54-3	n-Hexane	86.17	5.2	U	13	2.2
75-34-3	1,1-Dichloroethane	98.96	5.9	U	15	2.8
78-93-3	Methyl Ethyl Ketone	72.11	27	U	27	13
156-59-2	cis-1,2-Dichloroethene	96.94	5.8	U	15	2.8
540-59-0	1,2-Dichloroethene, Total	96.94	5.8	U	15	4.6
67-66-3	Chloroform	119.38	7.1	U	18	2.2
109-99-9	Tetrahydrofuran	72.11	4.3	U	270	2.5
71-55-6	1,1,1-Trichloroethane	133.41	8.0	U	20	2.1
110-82-7	Cyclohexane	84.16	5.0	U	13	1.6
56-23-5	Carbon tetrachloride	153.81	9.2	U	23	2.4
540-84-1	2,2,4-Trimethylpentane	114.23	6.8	U	17	2.3
71-43-2	Benzene	78.11	1.8	U	12	1.1
107-06-2	1,2-Dichloroethane	98.96	2.2	U	15	1.3

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

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Client Sample ID: 774VMP0201KA Lab Sample ID: 280-58003-2

Matrix: Air Lab File ID: 8801_009.d

Analysis Method: TO-15 Date Collected: 07/17/2014 09:25

Sample wt/vol: 24(mL) Date Analyzed: 07/31/2014 17:58

Soil Aliquot Vol: Dilution Factor: 18.3

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75517 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
142-82-5	n-Heptane	100.21	6.0	U	15	3.5
79-01-6	Trichloroethene	131.39	7.9	U	20	2.4
80-62-6	Methyl methacrylate	100.12	6.0	U	37	2.2
78-87-5	1,2-Dichloropropane	112.99	6.8	U	17	2.7
123-91-1	1,4-Dioxane	88.11	13	U	330	13
75-27-4	Bromodichloromethane	163.83	3.7	U	25	2.1
10061-01-5	cis-1,3-Dichloropropene	110.97	6.6	U	17	2.3
108-10-1	methyl isobutyl ketone	100.16	6.0	U	37	2.0
108-88-3	Toluene	92.14	2.1	U	14	1.2
10061-02-6	trans-1,3-Dichloropropene	110.97	6.6	U	17	1.8
79-00-5	1,1,2-Trichloroethane	133.41	3.0	U	20	1.7
127-18-4	Tetrachloroethene	165.83	3.7	U	25	2.0
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	15	U	37	15
124-48-1	Dibromochloromethane	208.29	4.7	U	31	3.1
106-93-4	1,2-Dibromoethane	187.87	11	U	28	2.8
108-90-7	Chlorobenzene	112.56	2.5	U	17	0.68
100-41-4	Ethylbenzene	106.17	2.4	U	16	1.0
179601-23-1	m,p-Xylene	106.17	6.4	U	40	1.8
95-47-6	Xylene, o-	106.17	2.4	U	16	1.3
1330-20-7	Xylene (total)	106.17	6.4	U	16	2.7
100-42-5	Styrene	104.15	2.3	U	16	1.4
75-25-2	Bromoform	252.75	5.7	U	38	1.9
98-82-8	Cumene	120.19	2.7	U	18	1.4
79-34-5	1,1,2,2-Tetrachloroethane	167.85	3.8	U	25	2.0
103-65-1	n-Propylbenzene	120.19	7.2	U	18	7.2
622-96-8	4-Ethyltoluene	120.20	2.7	U	18	1.6
108-67-8	1,3,5-Trimethylbenzene	120.20	2.7	U	18	1.1
95-49-8	2-Chlorotoluene	126.59	2.8	U	19	1.2
98-06-6	tert-Butylbenzene	134.22	3.0	U	20	1.7
95-63-6	1,2,4-Trimethylbenzene	120.20	2.7	U	18	1.3
135-98-8	sec-Butylbenzene	134.22	8.0	U	20	8.0
99-87-6	4-Isopropyltoluene	134.22	8.0	U	20	8.0
541-73-1	1,3-Dichlorobenzene	147.00	3.3	U	22	1.5
106-46-7	1,4-Dichlorobenzene	147.00	3.3	U	22	1.5

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

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Client Sample ID: 774VMP0201KA Lab Sample ID: 280-58003-2

Matrix: Air Lab File ID: 8801_009.d

Analysis Method: TO-15 Date Collected: 07/17/2014 09:25

Sample wt/vol: 24(mL) Date Analyzed: 07/31/2014 17:58

Soil Aliquot Vol: Dilution Factor: 18.3

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75517 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	7.6	U	19	7.6
104-51-8	n-Butylbenzene	134.22	8.0	U	20	8.0
95-50-1	1,2-Dichlorobenzene	147.00	3.3	U	22	1.5
120-82-1	1,2,4-Trichlorobenzene	181.45	11	U	68	3.7
87-68-3	Hexachlorobutadiene	260.76	16	U	39	4.3
91-20-3	Naphthalene	128.17	19	U	48	19

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140731-8801.b\8801_009.d
Lims ID: 280-58003-A-2 Lab Sample ID: 200-58003-2
Client ID: 774VMP0201KA
Sample Type: Client
Inject. Date: 31-Jul-2014 17:58:30 ALS Bottle#: 7 Worklist Smp#: 9
Purge Vol: 200.000 mL Dil. Factor: 18.3000
Sample Info: 200-0008801-009
Misc. Info.: 280-58003-a-2
Operator ID: BPL Instrument ID: CHW.i

Method: \\BTV-LIMS1\ChromData\CHW.i\20140731-8801.b\TO15_LLNJ_TO3_W_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 01-Aug-2014 10:24:29 Calib Date: 15-Jun-2014 00:33:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20140613-8058.b\8058_017.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK037

First Level Reviewer: lyonsb Date: 01-Aug-2014 09:59:07

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
	2 Dichlorodifluoromethane	85		4.494				ND	
	6 Chlorodifluoromethane	51	4.553	4.558	-0.006	97	1187820	20.8	
	7 1,2-Dichloro-1,1,2,2-tetra	85		4.847				ND	
	8 Chloromethane	50		5.039				ND	
	9 Butane	43		5.307				ND	
	10 Vinyl chloride	62		5.355				ND	
	11 Butadiene	54		5.457				ND	
	12 Bromomethane	94		6.329				ND	
	14 Chloroethane	64		6.612				ND	
	16 Vinyl bromide	106		7.083				ND	
	17 Trichlorofluoromethane	101	7.190	7.195	-0.005	97	17742	0.1406	
	23 1,1,2-Trichloro-1,2,2-trif	101		8.447				ND	
	24 1,1-Dichloroethene	96		8.522				ND	
	25 Acetone	43		8.746				ND	
	26 Carbon disulfide	76		9.003				ND	
	27 Isopropyl alcohol	45	9.036	9.057	-0.021	97	13032	0.2589	
	29 3-Chloro-1-propene	41		9.399				ND	
	31 Methylene Chloride	49		9.736				ND	
	32 2-Methyl-2-propanol	59		9.918				ND	
	33 Methyl tert-butyl ether	73		10.170				ND	
S	41 1,2-Dichloroethene, Total	61		10.200				0	
	34 trans-1,2-Dichloroethene	61		10.228				ND	
	36 Hexane	57		10.651				ND	
	37 1,1-Dichloroethane	63		11.191				ND	
	39 cis-1,2-Dichloroethene	96		12.374				ND	
	40 2-Butanone (MEK)	72		12.395				ND	
	44 Tetrahydrofuran	42		12.855				ND	
*	43 Chlorobromomethane	128	12.834	12.850	-0.016	72	390969	10.0	
	45 Chloroform	83		12.962				ND	
	46 Cyclohexane	84		13.262				ND	
	47 1,1,1-Trichloroethane	97		13.262				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
48 Carbon tetrachloride	117		13.524				ND	
51 Isooctane	57		13.914				ND	
50 Benzene	78		13.973				ND	
52 1,2-Dichloroethane	62		14.134				ND	
53 n-Heptane	43		14.267				ND	
* 54 1,4-Difluorobenzene	114	14.717	14.733	-0.016	91	1919166	10.0	
56 Trichloroethene	95		15.204				ND	
58 1,2-Dichloropropane	63		15.717				ND	
59 Methyl methacrylate	69		15.803				ND	
60 1,4-Dioxane	88		15.899				ND	
62 Dichlorobromomethane	83		16.204				ND	
64 cis-1,3-Dichloropropene	75		17.071				ND	
65 4-Methyl-2-pentanone (MIBK	43		17.301				ND	
66 Toluene	92	17.638	17.638	0.000	88	1926	0.0163	
70 trans-1,3-Dichloropropene	75		18.178				ND	
71 1,1,2-Trichloroethane	83		18.542				ND	
72 Tetrachloroethene	166		18.681				ND	
73 2-Hexanone	43		18.927				ND	
74 Chlorodibromomethane	129		19.296				ND	
75 Ethylene Dibromide	107		19.574				ND	
S 82 Xylenes, Total	106		20.100				0	
* 76 Chlorobenzene-d5	117	20.420	20.425	-0.005	81	1658608	10.0	
77 Chlorobenzene	112		20.479				ND	
78 Ethylbenzene	91		20.596				ND	
80 m-Xylene & p-Xylene	106		20.810				ND	
83 o-Xylene	106		21.522				ND	
84 Styrene	104		21.564				ND	
85 Bromoform	173		21.944				ND	
86 Isopropylbenzene	105		22.089				ND	
$ 87 4-Bromofluorobenzene	95	22.426	22.426	0.000	97	979742	NC	
88 1,1,2,2-Tetrachloroethane	83		22.650				ND	
90 N-Propylbenzene	91		22.720				ND	
91 4-Ethyltoluene	105		22.891				ND	
92 2-Chlorotoluene	91		22.923				ND	
94 1,3,5-Trimethylbenzene	105		22.982				ND	
96 tert-Butylbenzene	119		23.453				ND	
97 1,2,4-Trimethylbenzene	105		23.549				ND	
98 sec-Butylbenzene	105		23.785				ND	
99 4-Isopropyltoluene	119		23.988				ND	
100 1,3-Dichlorobenzene	146		24.057				ND	
101 1,4-Dichlorobenzene	146		24.202				ND	
102 Benzyl chloride	91		24.411				ND	
103 n-Butylbenzene	91		24.625				ND	
105 1,2-Dichlorobenzene	146		24.812				ND	
107 1,2,4-Trichlorobenzene	180		27.695				ND	
108 Hexachlorobutadiene	225		27.893				ND	
109 Naphthalene	128		28.278				ND	

QC Flag Legend

Processing Flags
NC - Not Calibrated
ND - Not Detected or Marked ND

Reagents:

ATTO15WISs_00003 Amount Added: 20.00 Units: mL Run Reagent

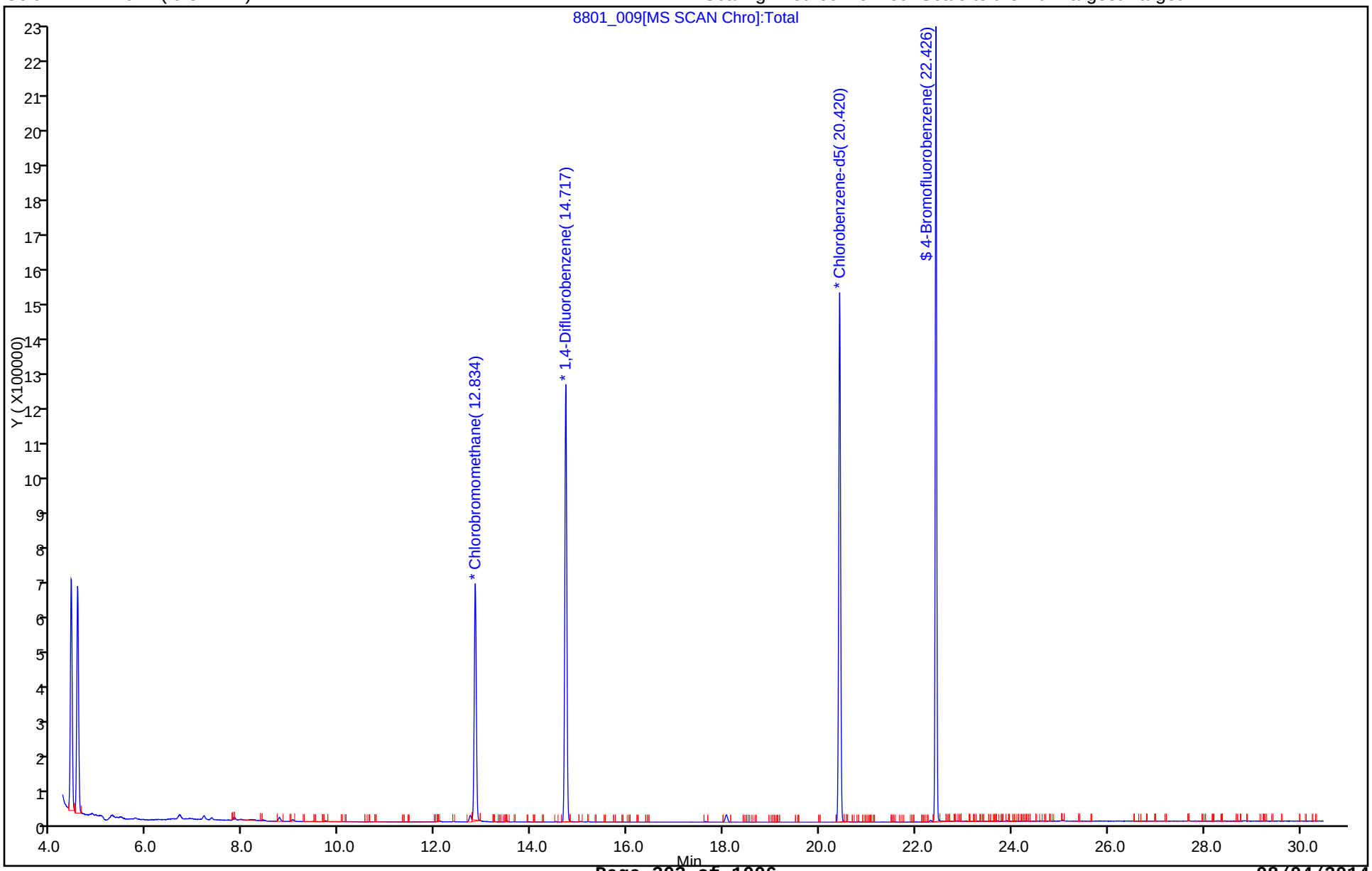
Report Date: 01-Aug-2014 10:24:41 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140731-8801.b\8801_009.d

Injection Date:	31-Jul-2014 17:58:30	Instrument ID:	CHW.i	Operator ID:	BPL
Lims ID:	280-58003-A-2	Lab Sample ID:	200-58003-2	Worklist Smp#:	9
Client ID:	774VMP0201KA				
Purge Vol:	200.000 mL	Dil. Factor:	18.3000	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



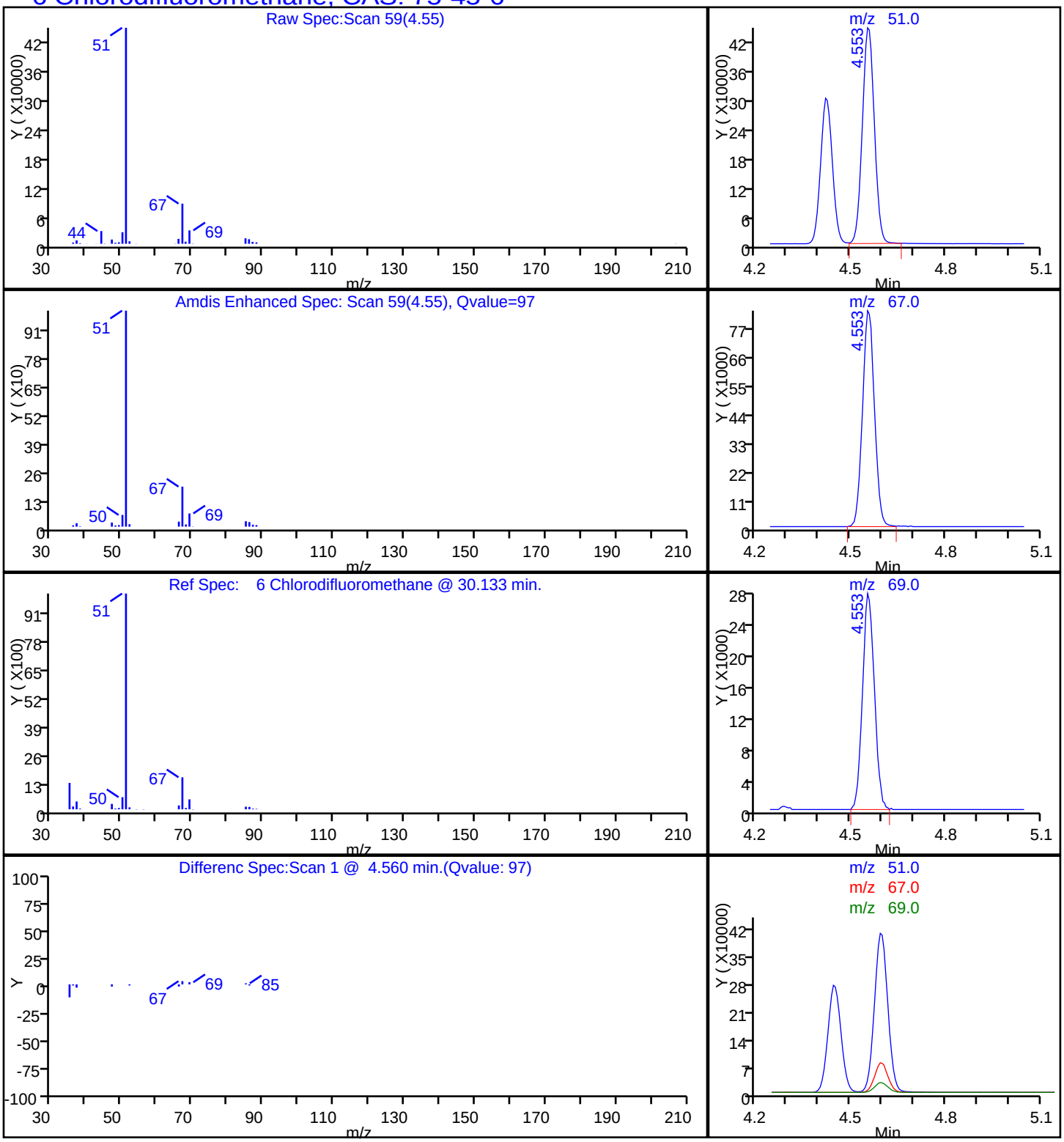
Report Date: 01-Aug-2014 10:24:41 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140731-8801.b\8801_009.d

Injection Date:	31-Jul-2014 17:58:30	Instrument ID:	CHW.i		
Lims ID:	280-58003-A-2	Lab Sample ID:	200-58003-2		
Client ID:	774VMP0201KA				
Operator ID:	BPL	ALS Bottle#:	7	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	18.3000		
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



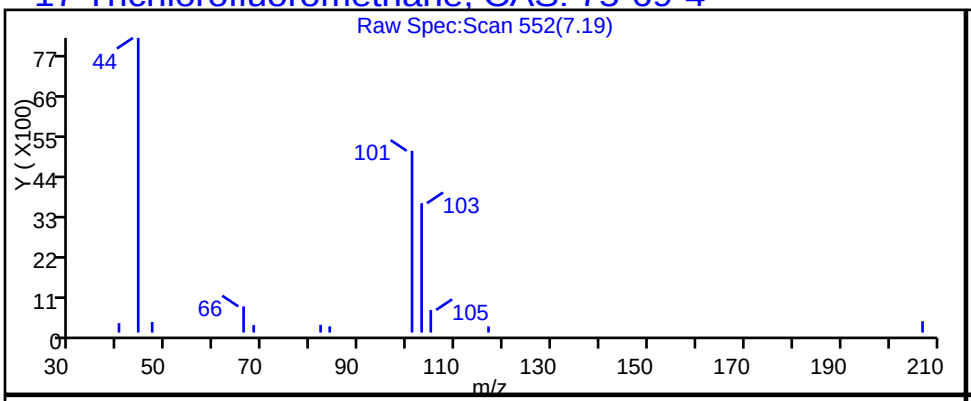
Report Date: 01-Aug-2014 10:24:41 Chrom Revision: 2.2 24-Jun-2014 07:21:42

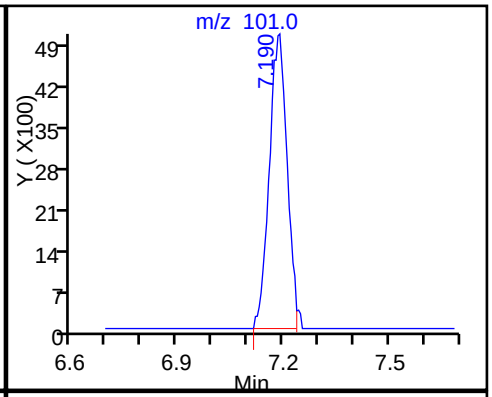
TestAmerica Burlington

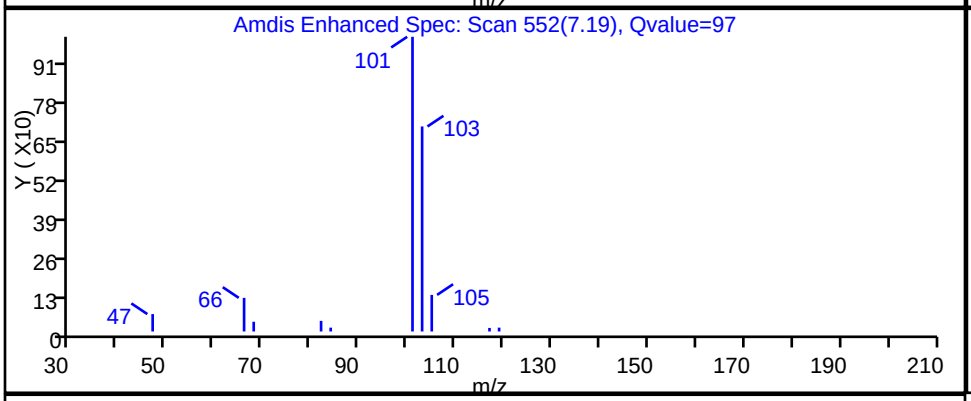
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140731-8801.b\8801_009.d

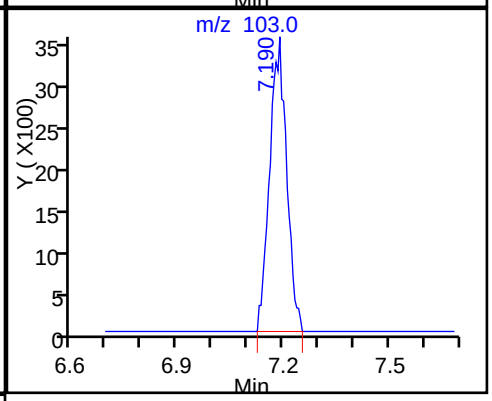
Injection Date:	31-Jul-2014 17:58:30	Instrument ID:	CHW.i		
Lims ID:	280-58003-A-2	Lab Sample ID:	200-58003-2		
Client ID:	774VMP0201KA				
Operator ID:	BPL	ALS Bottle#:	7	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	18.3000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

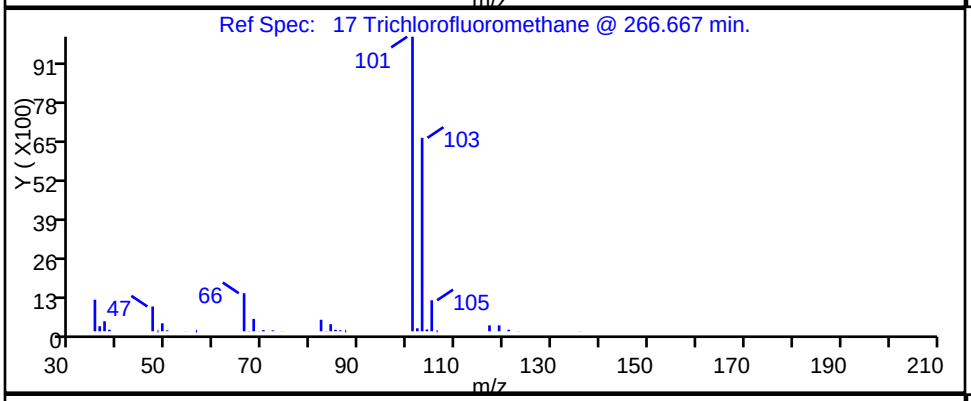
17 Trichlorofluoromethane, CAS: 75-69-4

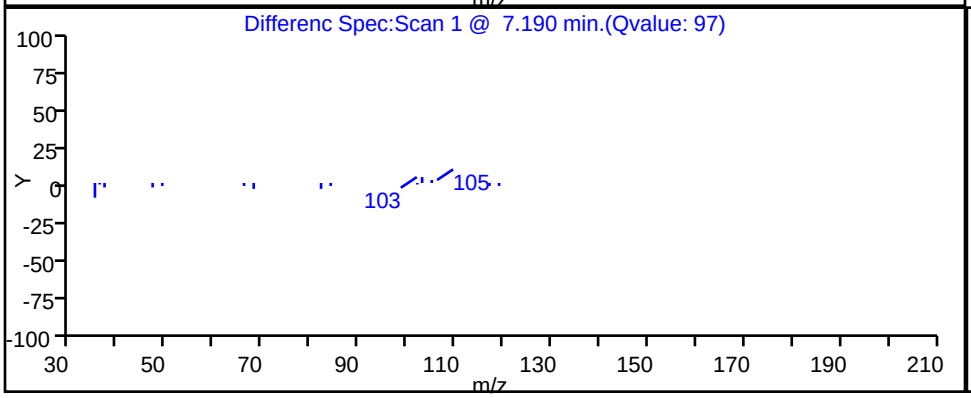


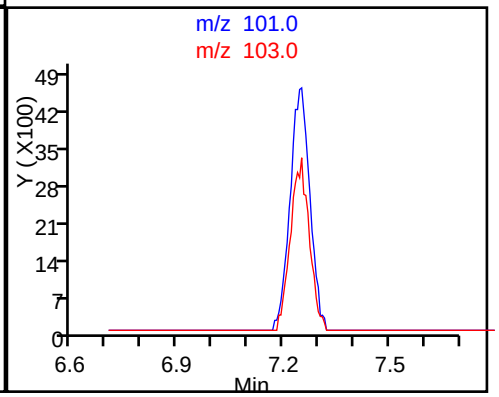












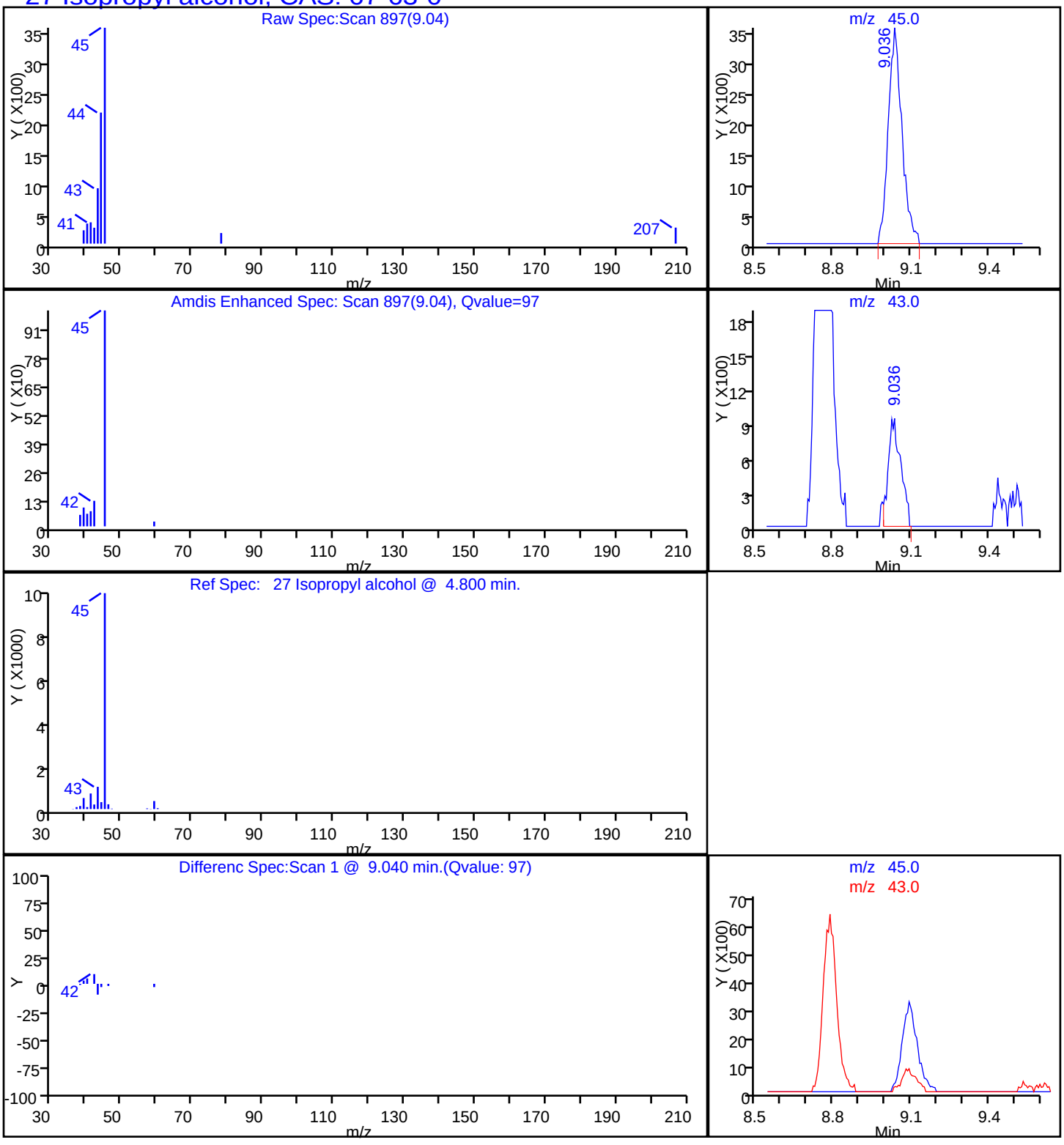
Report Date: 01-Aug-2014 10:24:41 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140731-8801.b\8801_009.d

Injection Date:	31-Jul-2014 17:58:30	Instrument ID:	CHW.i		
Lims ID:	280-58003-A-2	Lab Sample ID:	200-58003-2		
Client ID:	774VMP0201KA				
Operator ID:	BPL	ALS Bottle#:	7	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	18.3000		
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



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

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Client Sample ID: 774VMP0301KA Lab Sample ID: 280-58003-3

Matrix: Air Lab File ID: 8801_010.d

Analysis Method: TO-15 Date Collected: 07/17/2014 09:35

Sample wt/vol: 50(mL) Date Analyzed: 07/31/2014 18:46

Soil Aliquot Vol: Dilution Factor: 41

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75517 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	4.8	J D	21	1.2
75-45-6	Freon 22	86.47	1100	D	21	2.0
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	3.3	U	8.2	1.4
74-87-3	Chloromethane	50.49	21	U	21	5.6
106-97-8	n-Butane	58.12	21	U	21	12
75-01-4	Vinyl chloride	62.50	3.3	U	8.2	1.6
106-99-0	1,3-Butadiene	54.09	3.3	U	8.2	1.7
74-83-9	Bromomethane	94.94	3.3	U	8.2	1.1
75-00-3	Chloroethane	64.52	3.3	U	21	1.2
593-60-2	Bromoethene(Vinyl Bromide)	106.96	3.3	U	8.2	1.2
75-69-4	Trichlorofluoromethane	137.37	66	D	8.2	1.2
76-13-1	Freon TF	187.38	1.2	U	8.2	0.74
75-35-4	1,1-Dichloroethene	96.94	3.3	U	8.2	0.98
67-64-1	Acetone	58.08	73	J D	210	51
67-63-0	Isopropyl alcohol	60.10	46	J D	210	8.8
75-15-0	Carbon disulfide	76.14	8.2	U	21	2.7
107-05-1	3-Chloropropene	76.53	3.3	U	21	1.4
75-09-2	Methylene Chloride	84.93	8.2	U	21	5.1
75-65-0	tert-Butyl alcohol	74.12	21	U	210	13
1634-04-4	Methyl tert-butyl ether	88.15	3.3	U	8.2	0.90
156-60-5	trans-1,2-Dichloroethene	96.94	3.3	U	8.2	1.2
110-54-3	n-Hexane	86.17	3.3	U	8.2	1.4
75-34-3	1,1-Dichloroethane	98.96	3.3	U	8.2	1.6
78-93-3	Methyl Ethyl Ketone	72.11	21	U	21	9.9
156-59-2	cis-1,2-Dichloroethene	96.94	3.3	U	8.2	1.6
540-59-0	1,2-Dichloroethene, Total	96.94	3.3	U	8.2	2.6
67-66-3	Chloroform	119.38	3.3	U	8.2	1.0
109-99-9	Tetrahydrofuran	72.11	3.3	U	210	1.9
71-55-6	1,1,1-Trichloroethane	133.41	3.3	U	8.2	0.86
110-82-7	Cyclohexane	84.16	3.6	J D M	8.2	1.0
56-23-5	Carbon tetrachloride	153.81	3.3	U	8.2	0.86
540-84-1	2,2,4-Trimethylpentane	114.23	3.3	U	8.2	1.1
71-43-2	Benzene	78.11	1.8	J D	8.2	0.78
107-06-2	1,2-Dichloroethane	98.96	1.2	U	8.2	0.70

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

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Client Sample ID: 774VMP0301KA Lab Sample ID: 280-58003-3

Matrix: Air Lab File ID: 8801_010.d

Analysis Method: TO-15 Date Collected: 07/17/2014 09:35

Sample wt/vol: 50(mL) Date Analyzed: 07/31/2014 18:46

Soil Aliquot Vol: Dilution Factor: 41

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75517 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
142-82-5	n-Heptane	100.21	3.3	U	8.2	1.9
79-01-6	Trichloroethene	131.39	1.7	J D M	8.2	0.98
80-62-6	Methyl methacrylate	100.12	3.3	U	21	1.2
78-87-5	1,2-Dichloropropane	112.99	3.3	U	8.2	1.3
123-91-1	1,4-Dioxane	88.11	8.2	U	210	8.2
75-27-4	Bromodichloromethane	163.83	1.2	U	8.2	0.70
10061-01-5	cis-1,3-Dichloropropene	110.97	3.3	U	8.2	1.1
108-10-1	methyl isobutyl ketone	100.16	3.3	U	21	1.1
108-88-3	Toluene	92.14	2.3	J D	8.2	0.70
10061-02-6	trans-1,3-Dichloropropene	110.97	3.3	U	8.2	0.90
79-00-5	1,1,2-Trichloroethane	133.41	1.2	U	8.2	0.70
127-18-4	Tetrachloroethene	165.83	1.2	U	8.2	0.66
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	8.2	U	21	8.2
124-48-1	Dibromochloromethane	208.29	1.2	U	8.2	0.82
106-93-4	1,2-Dibromoethane	187.87	3.3	U	8.2	0.82
108-90-7	Chlorobenzene	112.56	1.2	U	8.2	0.33
100-41-4	Ethylbenzene	106.17	0.58	J D M	8.2	0.53
179601-23-1	m,p-Xylene	106.17	1.3	J D	21	0.94
95-47-6	Xylene, o-	106.17	1.2	U	8.2	0.66
1330-20-7	Xylene (total)	106.17	3.3	U	8.2	1.4
100-42-5	Styrene	104.15	1.2	J D	8.2	0.74
75-25-2	Bromoform	252.75	1.2	U	8.2	0.41
98-82-8	Cumene	120.19	1.2	U	8.2	0.66
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.2	U	8.2	0.66
103-65-1	n-Propylbenzene	120.19	3.3	U	8.2	3.3
622-96-8	4-Ethyltoluene	120.20	1.2	U	8.2	0.74
108-67-8	1,3,5-Trimethylbenzene	120.20	1.2	U	8.2	0.49
95-49-8	2-Chlorotoluene	126.59	1.2	U	8.2	0.53
98-06-6	tert-Butylbenzene	134.22	1.2	U	8.2	0.70
95-63-6	1,2,4-Trimethylbenzene	120.20	1.2	U	8.2	0.57
135-98-8	sec-Butylbenzene	134.22	3.3	U	8.2	3.3
99-87-6	4-Isopropyltoluene	134.22	3.3	U	8.2	3.3
541-73-1	1,3-Dichlorobenzene	147.00	1.2	U	8.2	0.57
106-46-7	1,4-Dichlorobenzene	147.00	1.2	U	8.2	0.57

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

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Client Sample ID: 774VMP0301KA Lab Sample ID: 280-58003-3

Matrix: Air Lab File ID: 8801_010.d

Analysis Method: TO-15 Date Collected: 07/17/2014 09:35

Sample wt/vol: 50(mL) Date Analyzed: 07/31/2014 18:46

Soil Aliquot Vol: Dilution Factor: 41

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75517 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	3.3	U	8.2	3.3
104-51-8	n-Butylbenzene	134.22	3.3	U	8.2	3.3
95-50-1	1,2-Dichlorobenzene	147.00	1.2	U	8.2	0.57
120-82-1	1,2,4-Trichlorobenzene	181.45	3.3	U	21	1.1
87-68-3	Hexachlorobutadiene	260.76	3.3	U	8.2	0.90
91-20-3	Naphthalene	128.17	8.2	U	21	8.2

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

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Client Sample ID: 774VMP0301KA Lab Sample ID: 280-58003-3

Matrix: Air Lab File ID: 8801_010.d

Analysis Method: TO-15 Date Collected: 07/17/2014 09:35

Sample wt/vol: 50(mL) Date Analyzed: 07/31/2014 18:46

Soil Aliquot Vol: Dilution Factor: 41

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75517 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	24	J D	100	6.1
75-45-6	Freon 22	86.47	4000	D	73	7.0
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	23	U	57	10
74-87-3	Chloromethane	50.49	42	U	42	12
106-97-8	n-Butane	58.12	49	U	49	27
75-01-4	Vinyl chloride	62.50	8.4	U	21	4.0
106-99-0	1,3-Butadiene	54.09	7.3	U	18	3.8
74-83-9	Bromomethane	94.94	13	U	32	4.5
75-00-3	Chloroethane	64.52	8.7	U	54	3.2
593-60-2	Bromoethene(Vinyl Bromide)	106.96	14	U	36	5.4
75-69-4	Trichlorofluoromethane	137.37	370	D	46	6.9
76-13-1	Freon TF	187.38	9.4	U	63	5.7
75-35-4	1,1-Dichloroethene	96.94	13	U	33	3.9
67-64-1	Acetone	58.08	170	J D	490	120
67-63-0	Isopropyl alcohol	60.10	110	J D	500	22
75-15-0	Carbon disulfide	76.14	26	U	64	8.4
107-05-1	3-Chloropropene	76.53	10	U	64	4.4
75-09-2	Methylene Chloride	84.93	28	U	71	18
75-65-0	tert-Butyl alcohol	74.12	62	U	620	41
1634-04-4	Methyl tert-butyl ether	88.15	12	U	30	3.3
156-60-5	trans-1,2-Dichloroethene	96.94	13	U	33	4.7
110-54-3	n-Hexane	86.17	12	U	29	4.9
75-34-3	1,1-Dichloroethane	98.96	13	U	33	6.3
78-93-3	Methyl Ethyl Ketone	72.11	60	U	60	29
156-59-2	cis-1,2-Dichloroethene	96.94	13	U	33	6.2
540-59-0	1,2-Dichloroethene, Total	96.94	13	U	33	10
67-66-3	Chloroform	119.38	16	U	40	5.0
109-99-9	Tetrahydrofuran	72.11	9.7	U	600	5.6
71-55-6	1,1,1-Trichloroethane	133.41	18	U	45	4.7
110-82-7	Cyclohexane	84.16	12	J D M	28	3.5
56-23-5	Carbon tetrachloride	153.81	21	U	52	5.4
540-84-1	2,2,4-Trimethylpentane	114.23	15	U	38	5.2
71-43-2	Benzene	78.11	5.8	J D	26	2.5
107-06-2	1,2-Dichloroethane	98.96	5.0	U	33	2.8

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

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Client Sample ID: 774VMP0301KA Lab Sample ID: 280-58003-3

Matrix: Air Lab File ID: 8801_010.d

Analysis Method: TO-15 Date Collected: 07/17/2014 09:35

Sample wt/vol: 50(mL) Date Analyzed: 07/31/2014 18:46

Soil Aliquot Vol: Dilution Factor: 41

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75517 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
142-82-5	n-Heptane	100.21	13	U	34	7.7
79-01-6	Trichloroethene	131.39	9.2	J D M	44	5.3
80-62-6	Methyl methacrylate	100.12	13	U	84	5.0
78-87-5	1,2-Dichloropropane	112.99	15	U	38	6.1
123-91-1	1,4-Dioxane	88.11	30	U	740	30
75-27-4	Bromodichloromethane	163.83	8.2	U	55	4.7
10061-01-5	cis-1,3-Dichloropropene	110.97	15	U	37	5.2
108-10-1	methyl isobutyl ketone	100.16	13	U	84	4.5
108-88-3	Toluene	92.14	8.6	J D	31	2.6
10061-02-6	trans-1,3-Dichloropropene	110.97	15	U	37	4.1
79-00-5	1,1,2-Trichloroethane	133.41	6.7	U	45	3.8
127-18-4	Tetrachloroethene	165.83	8.3	U	56	4.4
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	34	U	84	34
124-48-1	Dibromochloromethane	208.29	10	U	70	7.0
106-93-4	1,2-Dibromoethane	187.87	25	U	63	6.3
108-90-7	Chlorobenzene	112.56	5.7	U	38	1.5
100-41-4	Ethylbenzene	106.17	2.5	J D M	36	2.3
179601-23-1	m,p-Xylene	106.17	5.6	J D	89	4.1
95-47-6	Xylene, o-	106.17	5.3	U	36	2.8
1330-20-7	Xylene (total)	106.17	14	U	36	6.1
100-42-5	Styrene	104.15	5.0	J D	35	3.1
75-25-2	Bromoform	252.75	13	U	85	4.2
98-82-8	Cumene	120.19	6.0	U	40	3.2
79-34-5	1,1,2,2-Tetrachloroethane	167.85	8.4	U	56	4.5
103-65-1	n-Propylbenzene	120.19	16	U	40	16
622-96-8	4-Ethyltoluene	120.20	6.0	U	40	3.6
108-67-8	1,3,5-Trimethylbenzene	120.20	6.0	U	40	2.4
95-49-8	2-Chlorotoluene	126.59	6.4	U	42	2.8
98-06-6	tert-Butylbenzene	134.22	6.8	U	45	3.8
95-63-6	1,2,4-Trimethylbenzene	120.20	6.0	U	40	2.8
135-98-8	sec-Butylbenzene	134.22	18	U	45	18
99-87-6	4-Isopropyltoluene	134.22	18	U	45	18
541-73-1	1,3-Dichlorobenzene	147.00	7.4	U	49	3.5
106-46-7	1,4-Dichlorobenzene	147.00	7.4	U	49	3.5

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

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Client Sample ID: 774VMP0301KA Lab Sample ID: 280-58003-3

Matrix: Air Lab File ID: 8801_010.d

Analysis Method: TO-15 Date Collected: 07/17/2014 09:35

Sample wt/vol: 50(mL) Date Analyzed: 07/31/2014 18:46

Soil Aliquot Vol: Dilution Factor: 41

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75517 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	17	U	42	17
104-51-8	n-Butylbenzene	134.22	18	U	45	18
95-50-1	1,2-Dichlorobenzene	147.00	7.4	U	49	3.5
120-82-1	1,2,4-Trichlorobenzene	181.45	24	U	150	8.2
87-68-3	Hexachlorobutadiene	260.76	35	U	87	9.6
91-20-3	Naphthalene	128.17	43	U	110	43

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140731-8801.b\8801_010.d
Lims ID: 280-58003-A-3 Lab Sample ID: 200-58003-3
Client ID: 774VMP0301KA
Sample Type: Client
Inject. Date: 31-Jul-2014 18:46:30 ALS Bottle#: 8 Worklist Smp#: 10
Purge Vol: 200.000 mL Dil. Factor: 41.0000
Sample Info: 200-0008801-010
Misc. Info.: 280-58003-a-3
Operator ID: BPL Instrument ID: CHW.i

Method: \\BTV-LIMS1\ChromData\CHW.i\20140731-8801.b\TO15_LLNJ_TO3_W_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 01-Aug-2014 10:24:29 Calib Date: 15-Jun-2014 00:33:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20140613-8058.b\8058_017.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK037

First Level Reviewer: lyonsb Date: 01-Aug-2014 10:01:07

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
	2 Dichlorodifluoromethane	85	4.483	4.494	-0.011	97	14297	0.1173	
	6 Chlorodifluoromethane	51	4.553	4.558	-0.005	97	1672865	27.5	
	7 1,2-Dichloro-1,1,2,2-tetra	85		4.847				ND	
	8 Chloromethane	50		5.039				ND	
	9 Butane	43		5.307				ND	
	10 Vinyl chloride	62		5.355				ND	
	11 Butadiene	54		5.457				ND	
	12 Bromomethane	94		6.329				ND	
	14 Chloroethane	64		6.612				ND	
	16 Vinyl bromide	106		7.083				ND	
	17 Trichlorofluoromethane	101	7.195	7.195	0.000	98	217839	1.62	
	23 1,1,2-Trichloro-1,2,2-trif	101		8.447				ND	
	24 1,1-Dichloroethene	96		8.522				ND	
	25 Acetone	43	8.747	8.746	0.001	90	114018	1.79	
	26 Carbon disulfide	76		9.003				ND	
	27 Isopropyl alcohol	45	9.036	9.057	-0.021	98	60058	1.12	
	29 3-Chloro-1-propene	41		9.399				ND	
	31 Methylene Chloride	49		9.736				ND	
	32 2-Methyl-2-propanol	59		9.918				ND	
	33 Methyl tert-butyl ether	73		10.170				ND	
S	41 1,2-Dichloroethene, Total	61		10.200				0	
	34 trans-1,2-Dichloroethene	61		10.228				ND	
	36 Hexane	57		10.651				ND	
	37 1,1-Dichloroethane	63		11.191				ND	
	39 cis-1,2-Dichloroethene	96		12.374				ND	
	40 2-Butanone (MEK)	72		12.395				ND	
	44 Tetrahydrofuran	42		12.855				ND	
*	43 Chlorobromomethane	128	12.845	12.850	-0.005	72	416860	10.0	
	45 Chloroform	83		12.962				ND	
	46 Cyclohexane	84	13.262	13.262	0.000	82	6721	0.0870	M
	47 1,1,1-Trichloroethane	97		13.262				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
48 Carbon tetrachloride	117		13.524				ND	
51 Isooctane	57		13.914				ND	
50 Benzene	78	13.963	13.973	-0.010	94	7193	0.0440	
52 1,2-Dichloroethane	62		14.134				ND	
53 n-Heptane	43		14.267				ND	
* 54 1,4-Difluorobenzene	114	14.728	14.733	-0.005	91	2083229	10.0	
56 Trichloroethene	95	15.193	15.204	-0.011	89	3191	0.0417	M
58 1,2-Dichloropropane	63		15.717				ND	
59 Methyl methacrylate	69		15.803				ND	
60 1,4-Dioxane	88		15.899				ND	
62 Dichlorobromomethane	83		16.204				ND	
64 cis-1,3-Dichloropropene	75		17.071				ND	
65 4-Methyl-2-pentanone (MIBK	43		17.301				ND	
66 Toluene	92	17.643	17.638	0.005	93	7784	0.0558	
70 trans-1,3-Dichloropropene	75		18.178				ND	
71 1,1,2-Trichloroethane	83		18.542				ND	
72 Tetrachloroethene	166		18.681				ND	
73 2-Hexanone	43		18.927				ND	
74 Chlorodibromomethane	129		19.296				ND	
75 Ethylene Dibromide	107		19.574				ND	
S 82 Xylenes, Total	106				0		0.0453	
* 76 Chlorobenzene-d5	117	20.425	20.425	0.000	81	1963976	10.0	
77 Chlorobenzene	112		20.479				ND	
78 Ethylbenzene	91	20.596	20.596	0.000	1	3905	0.0141	M
80 m-Xylene & p-Xylene	106	20.805	20.810	-0.005	97	3702	0.0312	
83 o-Xylene	106	21.522	21.522	0.000	90	1712	0.0141	
84 Styrene	104	21.559	21.564	-0.005	96	5058	0.0288	
85 Bromoform	173		21.944				ND	
86 Isopropylbenzene	105		22.089				ND	
$ 87 4-Bromofluorobenzene	95	22.426	22.426	0.000	97	1230145	NC	
88 1,1,2,2-Tetrachloroethane	83		22.650				ND	
90 N-Propylbenzene	91		22.720				ND	
91 4-Ethyltoluene	105		22.891				ND	
92 2-Chlorotoluene	91		22.923				ND	
94 1,3,5-Trimethylbenzene	105		22.982				ND	
96 tert-Butylbenzene	119		23.453				ND	
97 1,2,4-Trimethylbenzene	105		23.549				ND	
98 sec-Butylbenzene	105		23.785				ND	
99 4-Isopropyltoluene	119		23.988				ND	
100 1,3-Dichlorobenzene	146		24.057				ND	
101 1,4-Dichlorobenzene	146		24.202				ND	
102 Benzyl chloride	91		24.411				ND	
103 n-Butylbenzene	91		24.625				ND	
105 1,2-Dichlorobenzene	146		24.812				ND	
107 1,2,4-Trichlorobenzene	180		27.695				ND	
108 Hexachlorobutadiene	225		27.893				ND	
109 Naphthalene	128		28.278				ND	

QC Flag Legend

Processing Flags
NC - Not Calibrated
ND - Not Detected or Marked ND

Review Flags
M - Manually Integrated

Reagents:

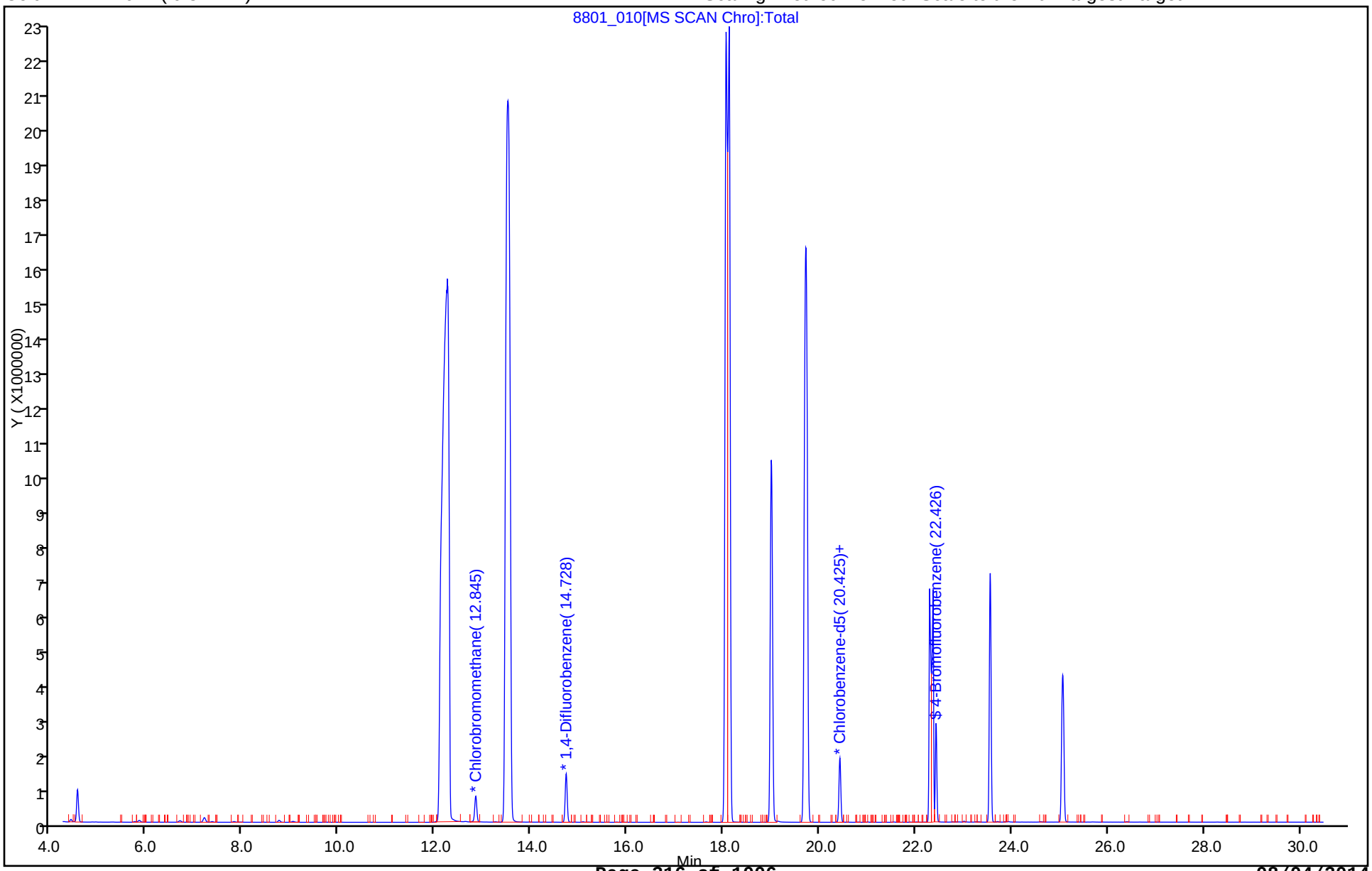
ATTO15WISs_00003 Amount Added: 20.00 Units: mL Run Reagent

Report Date: 01-Aug-2014 10:24:42 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140731-8801.b\8801_010.d				
Injection Date:	31-Jul-2014 18:46:30	Instrument ID:	CHW.i	Operator ID:	BPL
Lims ID:	280-58003-A-3	Lab Sample ID:	200-58003-3	Worklist Smp#:	10
Client ID:	774VMP0301KA				
Purge Vol:	200.000 mL	Dil. Factor:	41.0000	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



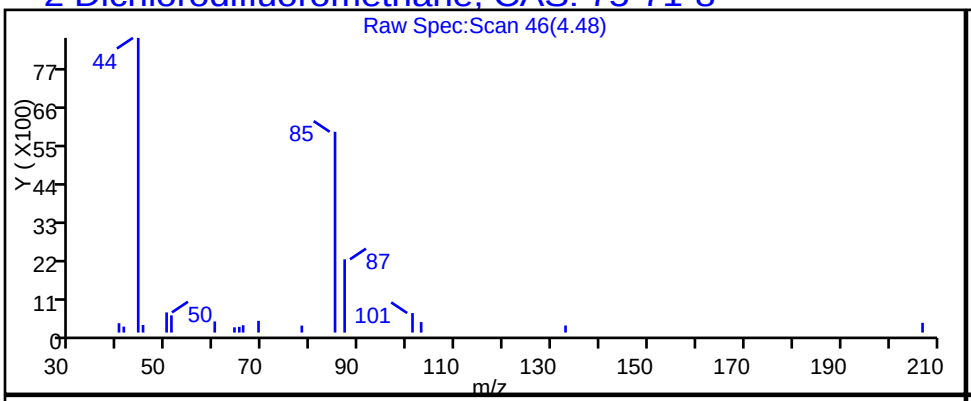
Report Date: 01-Aug-2014 10:24:42 Chrom Revision: 2.2 24-Jun-2014 07:21:42

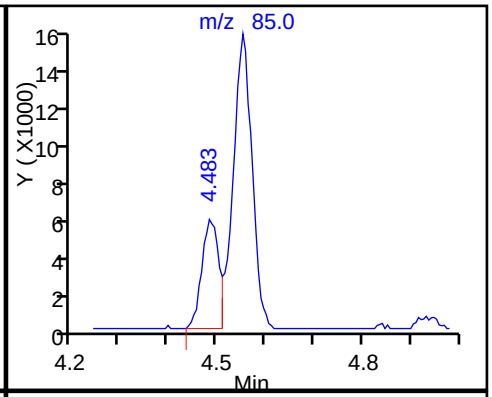
TestAmerica Burlington

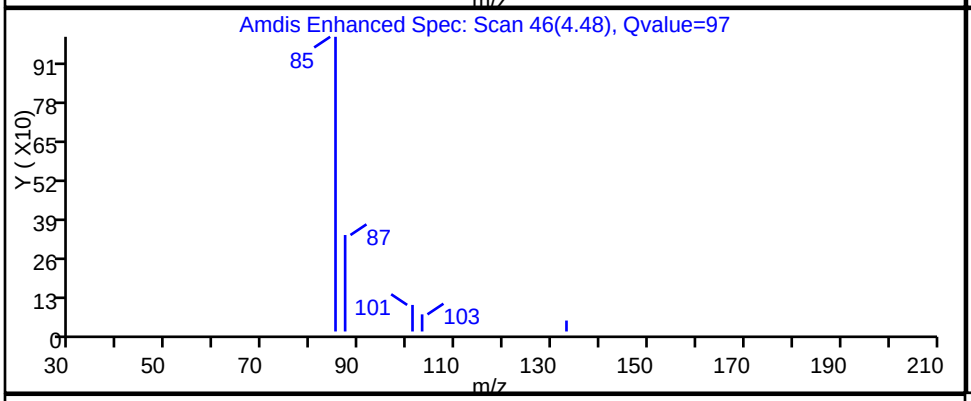
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140731-8801.b\8801_010.d

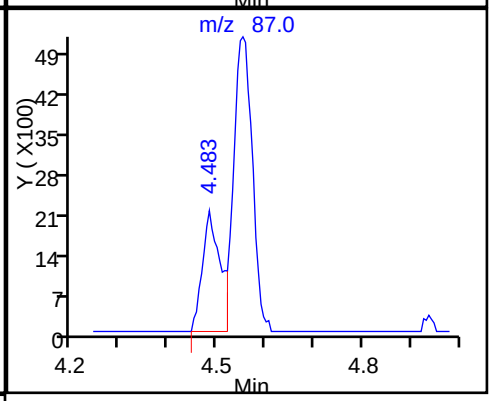
Injection Date:	31-Jul-2014 18:46:30	Instrument ID:	CHW.i		
Lims ID:	280-58003-A-3	Lab Sample ID:	200-58003-3		
Client ID:	774VMP0301KA				
Operator ID:	BPL	ALS Bottle#:	8	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	41.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

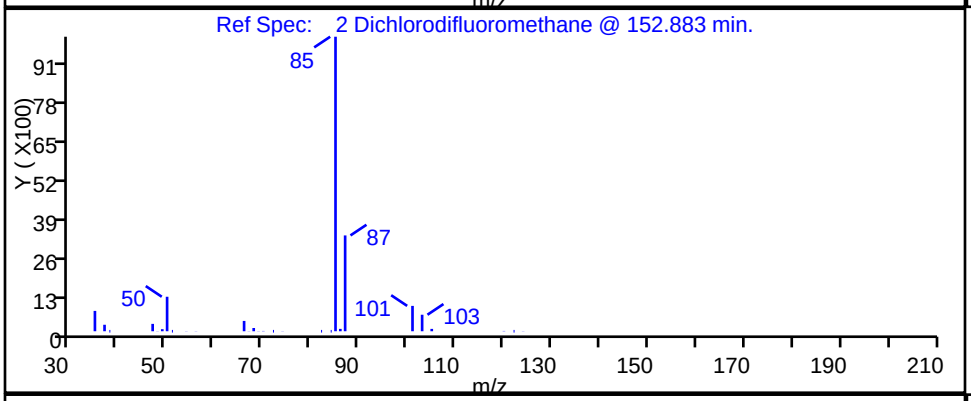
2 Dichlorodifluoromethane, CAS: 75-71-8

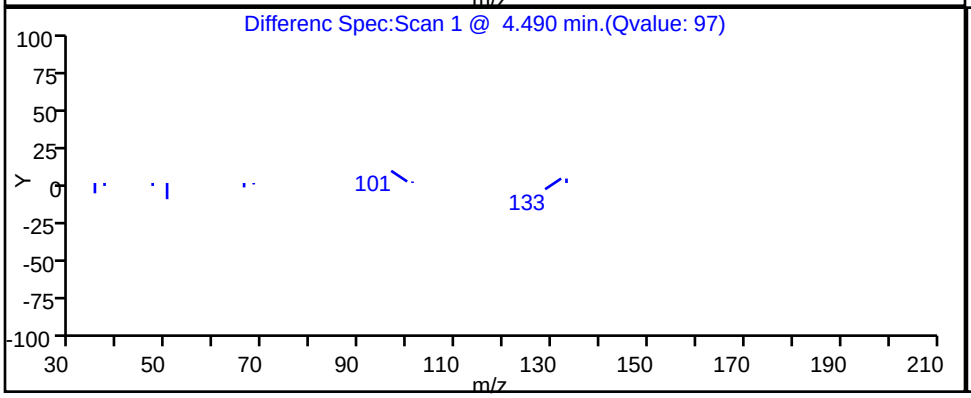


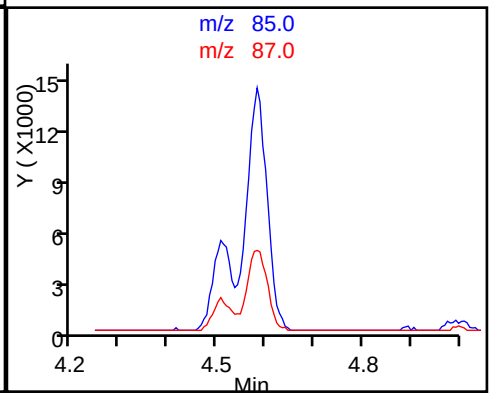












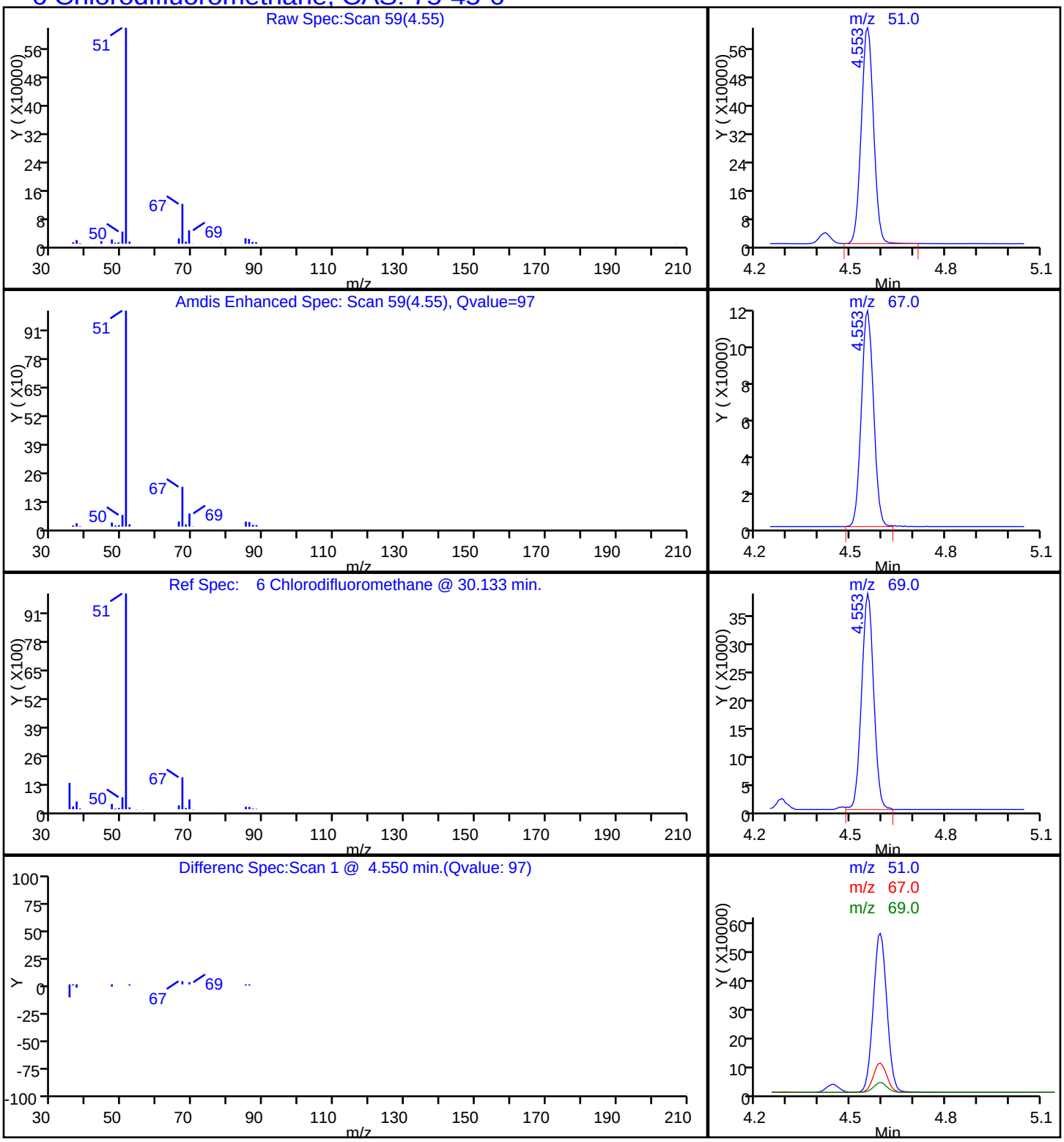
Report Date: 01-Aug-2014 10:24:42 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140731-8801.b\8801_010.d

Injection Date:	31-Jul-2014 18:46:30	Instrument ID:	CHW.i		
Lims ID:	280-58003-A-3	Lab Sample ID:	200-58003-3		
Client ID:	774VMP0301KA				
Operator ID:	BPL	ALS Bottle#:	8	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	41.0000		
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



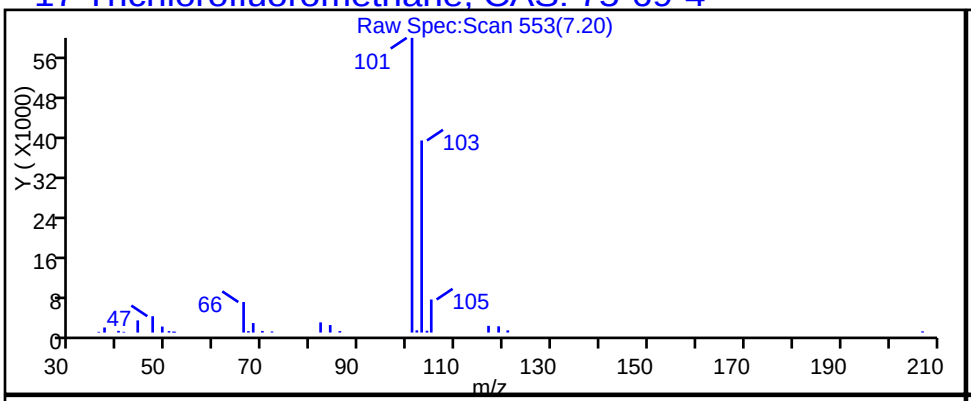
Report Date: 01-Aug-2014 10:24:42 Chrom Revision: 2.2 24-Jun-2014 07:21:42

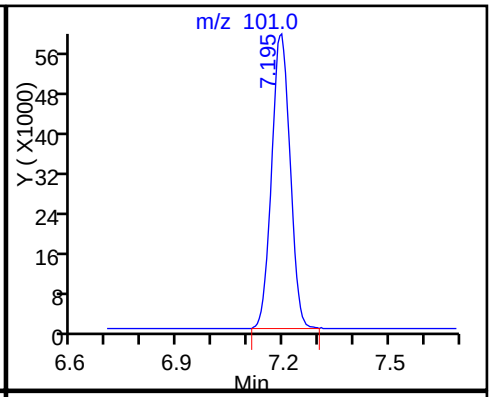
TestAmerica Burlington

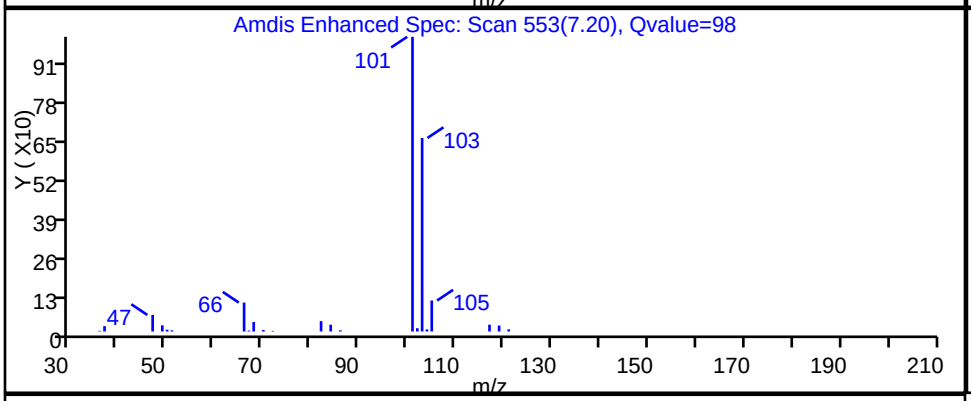
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140731-8801.b\8801_010.d

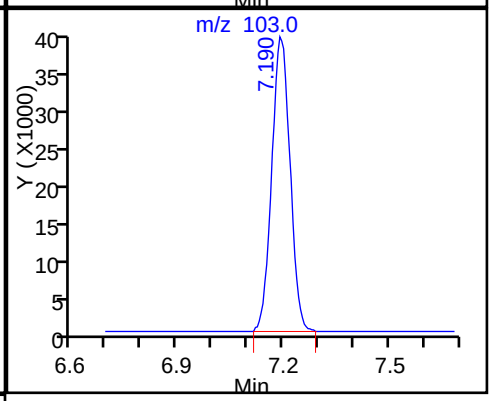
Injection Date:	31-Jul-2014 18:46:30	Instrument ID:	CHW.i		
Lims ID:	280-58003-A-3	Lab Sample ID:	200-58003-3		
Client ID:	774VMP0301KA				
Operator ID:	BPL	ALS Bottle#:	8	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	41.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

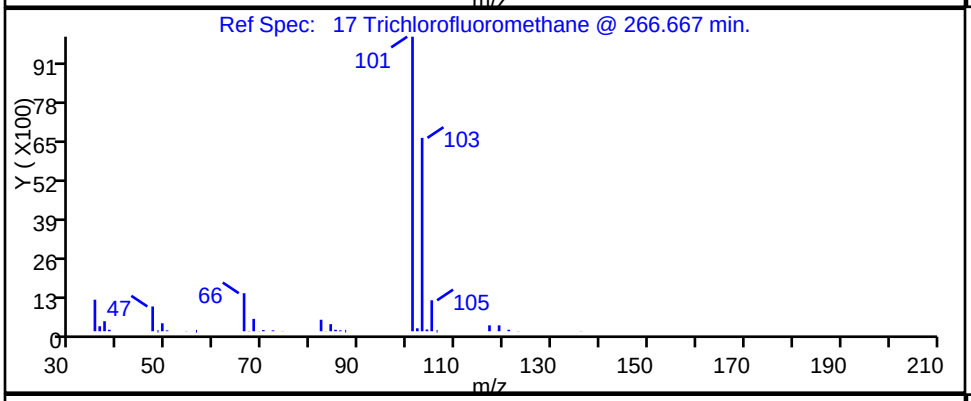
17 Trichlorofluoromethane, CAS: 75-69-4

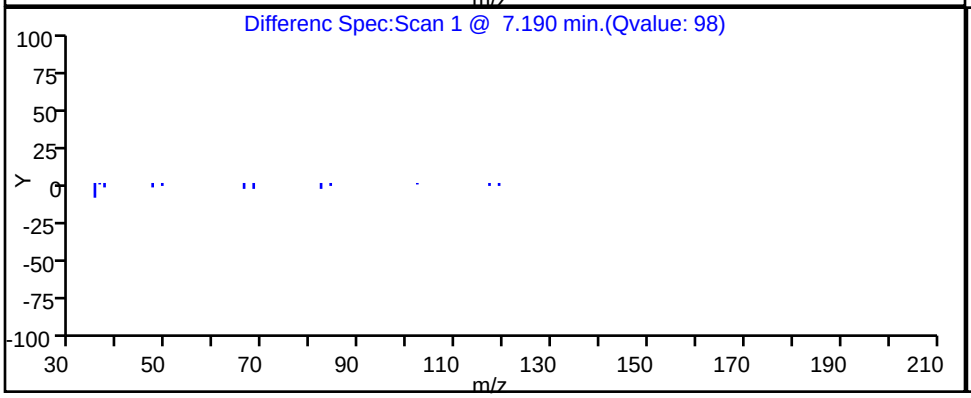


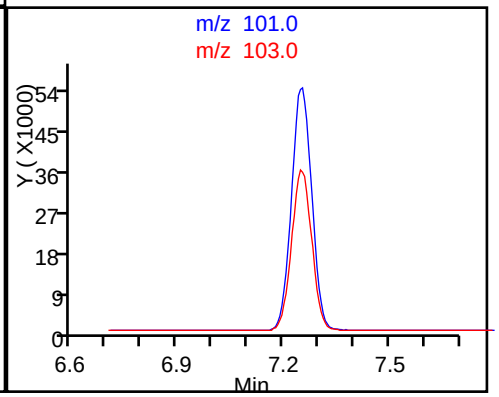








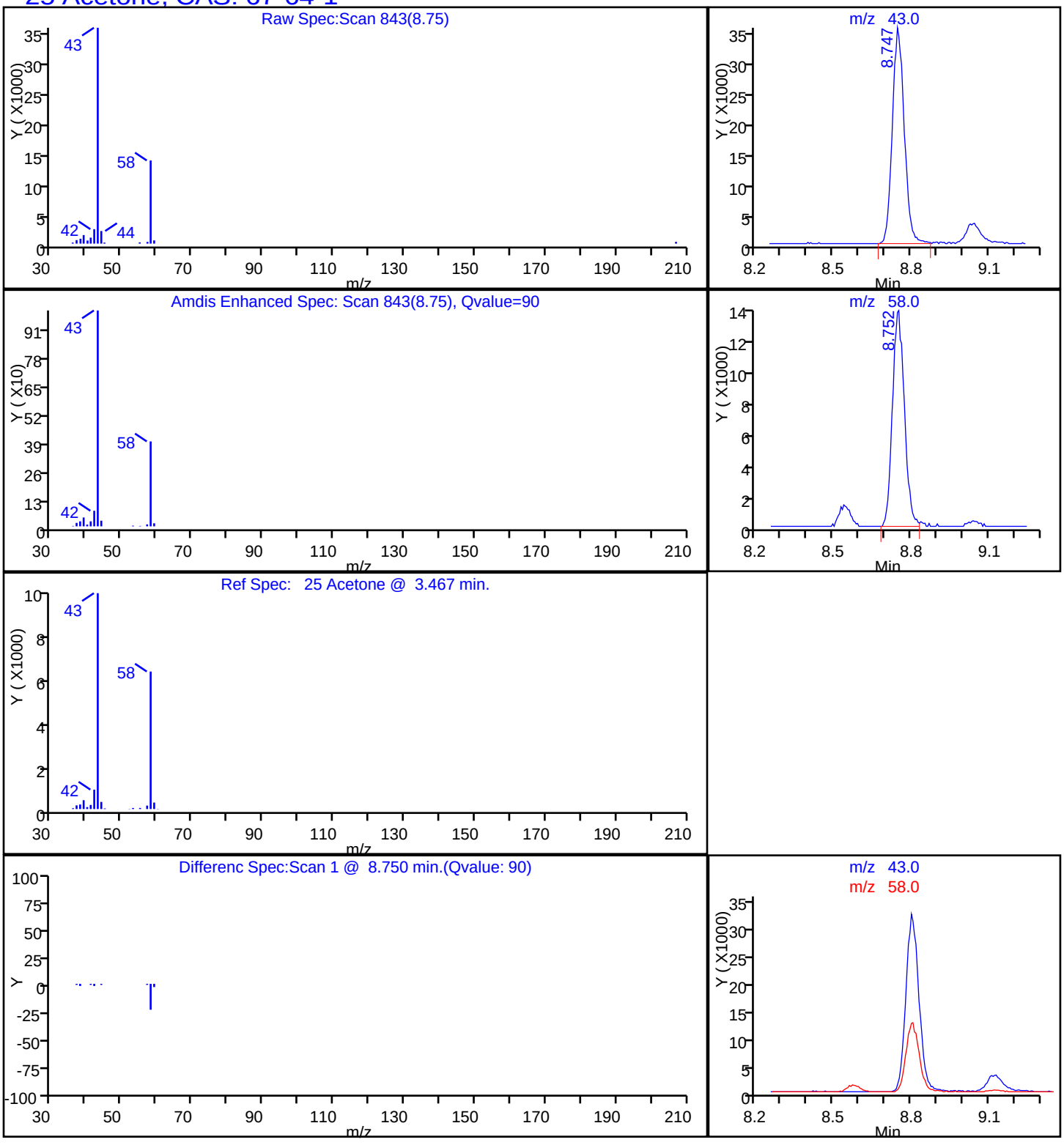




TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140731-8801.b\8801_010.d				
Injection Date:	31-Jul-2014 18:46:30	Instrument ID:	CHW.i		
Lims ID:	280-58003-A-3	Lab Sample ID:	200-58003-3		
Client ID:	774VMP0301KA				
Operator ID:	BPL	ALS Bottle#:	8	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	41.0000		
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



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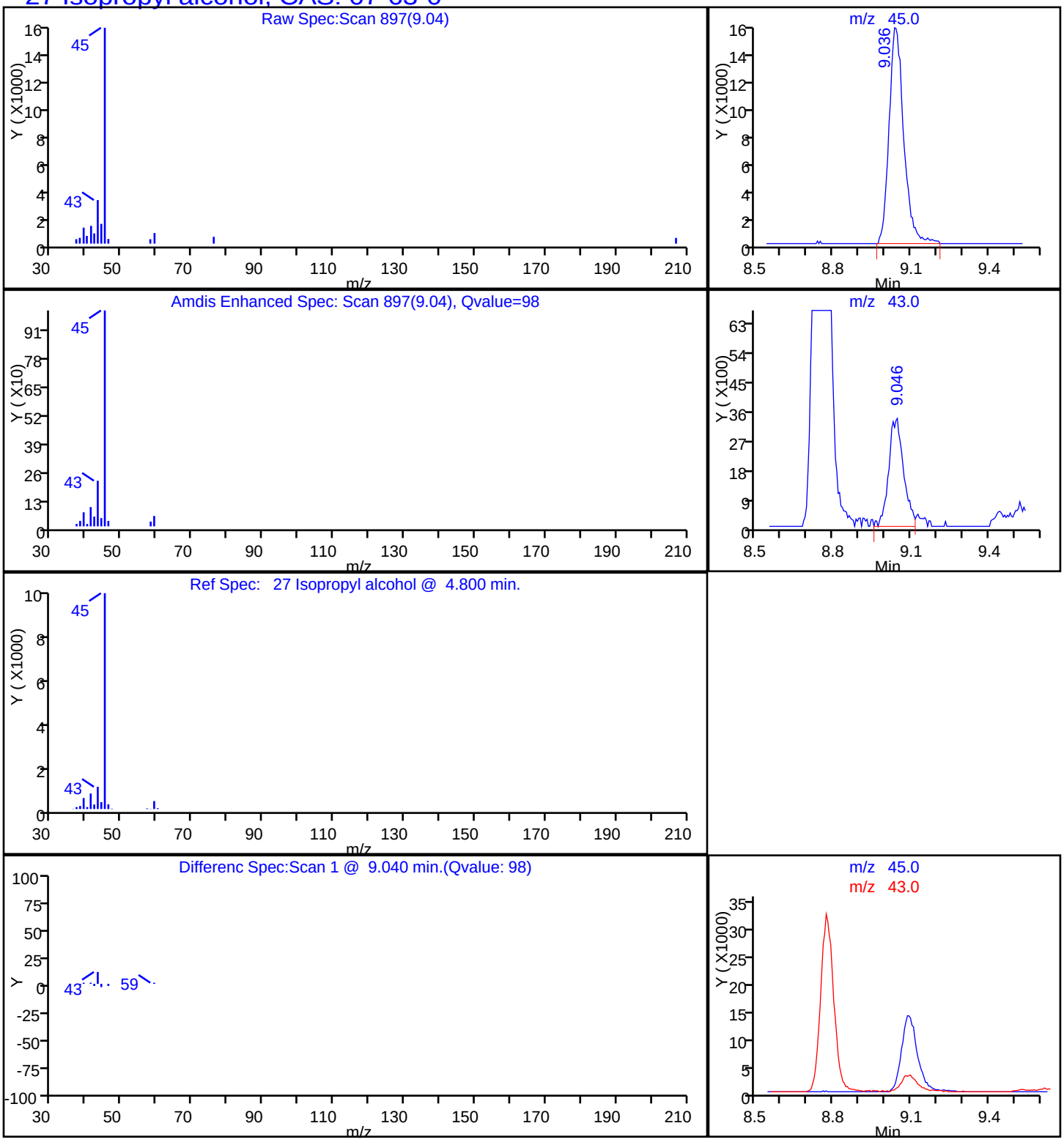
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140731-8801.b\8801_010.d

Injection Date:	31-Jul-2014 18:46:30	Instrument ID:	CHW.i		
Lims ID:	280-58003-A-3	Lab Sample ID:	200-58003-3		
Client ID:	774VMP0301KA				
Operator ID:	BPL	ALS Bottle#:	8	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	41.0000		
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



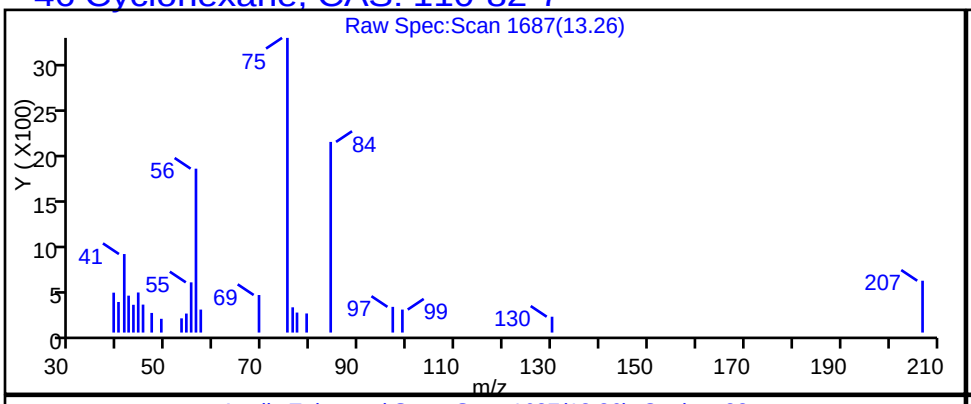
Report Date: 01-Aug-2014 10:24:42 Chrom Revision: 2.2 24-Jun-2014 07:21:42

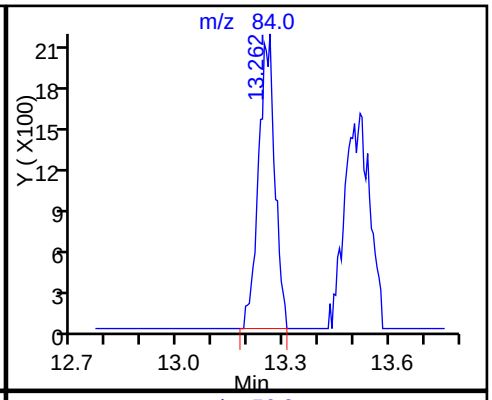
TestAmerica Burlington

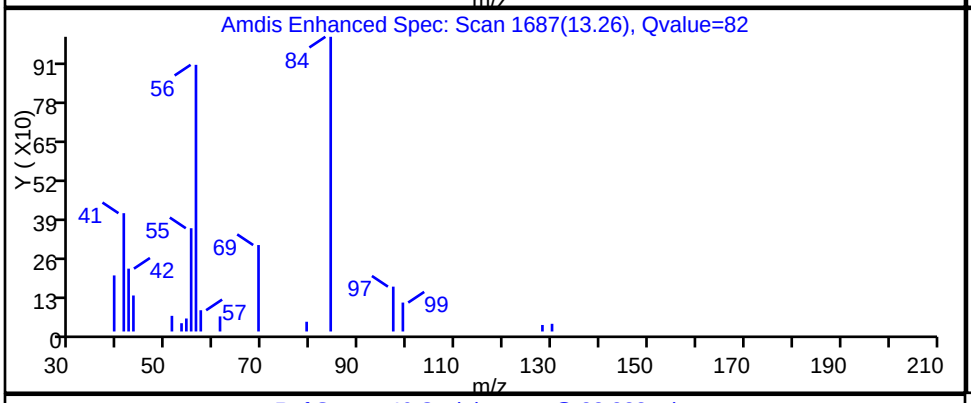
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140731-8801.b\8801_010.d

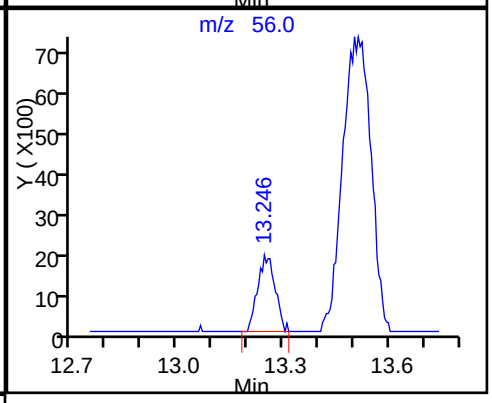
Injection Date:	31-Jul-2014 18:46:30	Instrument ID:	CHW.i		
Lims ID:	280-58003-A-3	Lab Sample ID:	200-58003-3		
Client ID:	774VMP0301KA				
Operator ID:	BPL	ALS Bottle#:	8	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	41.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

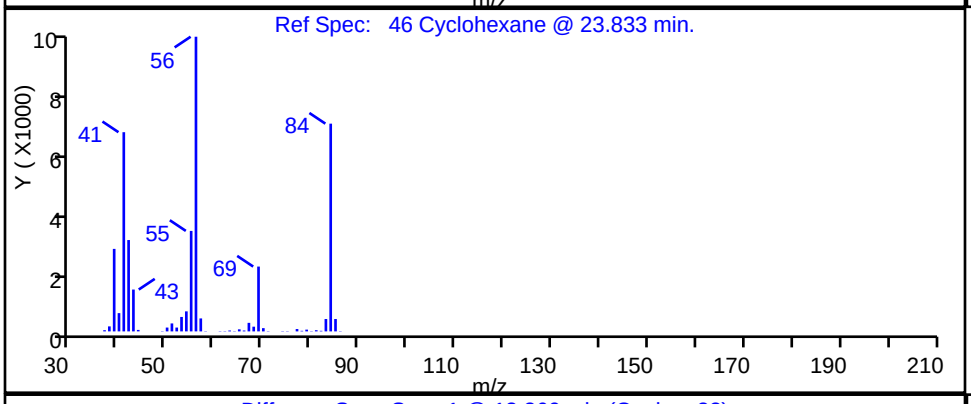
46 Cyclohexane, CAS: 110-82-7

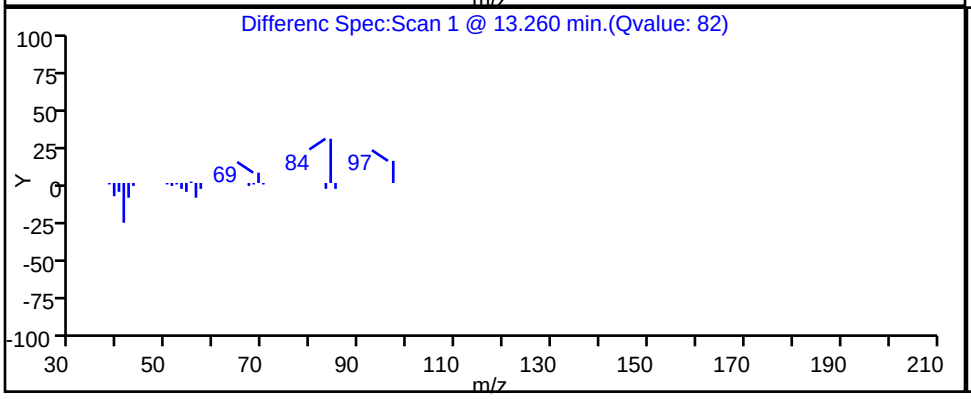


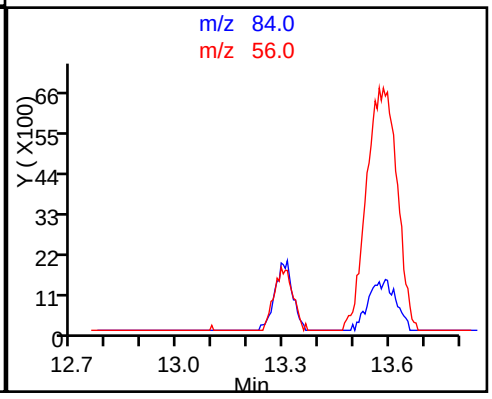












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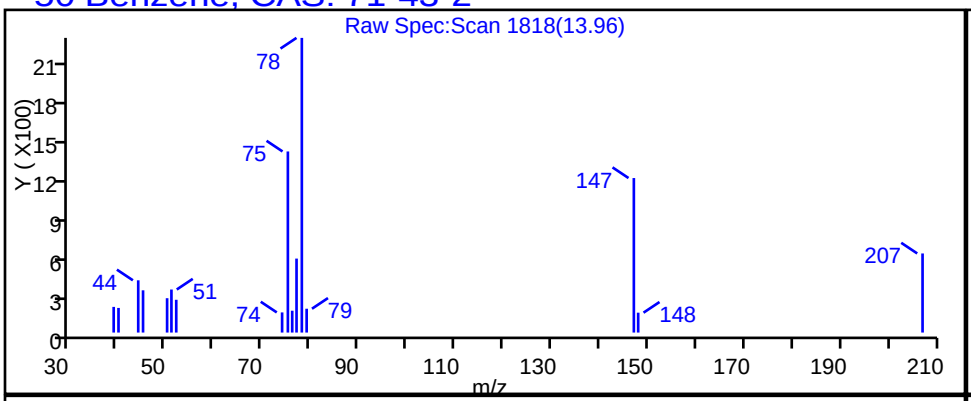
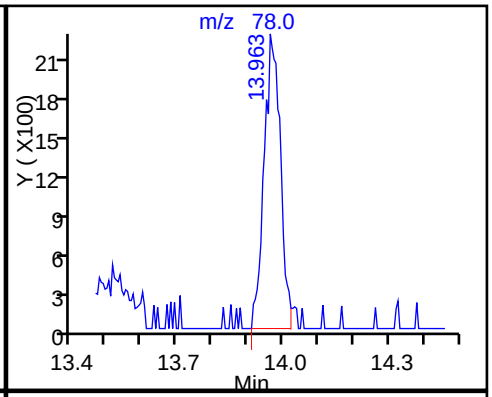
TestAmerica Burlington

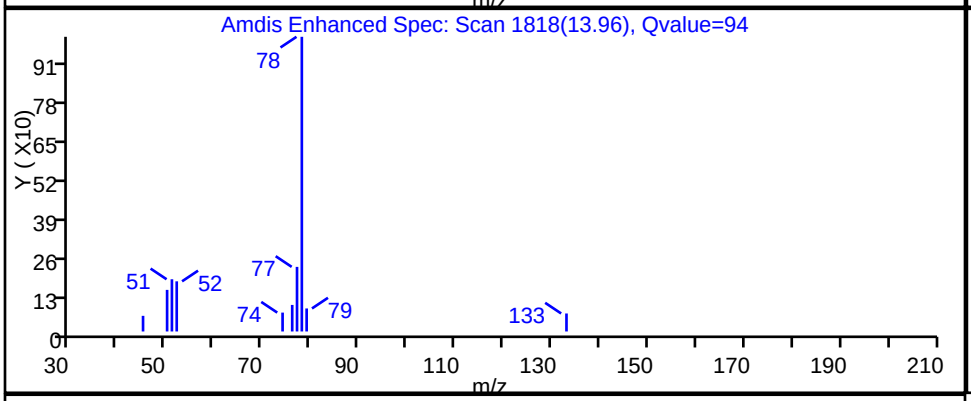
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140731-8801.b\8801_010.d

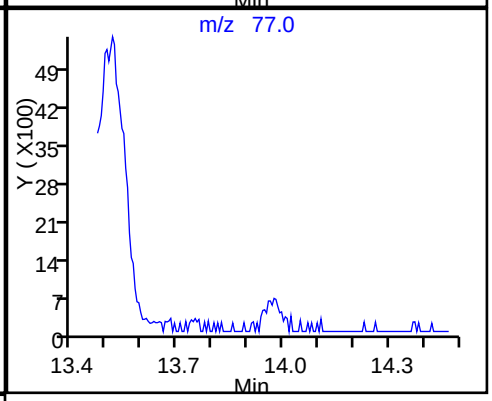
Injection Date:	31-Jul-2014 18:46:30	Instrument ID:	CHW.i		
Lims ID:	280-58003-A-3	Lab Sample ID:	200-58003-3		
Client ID:	774VMP0301KA				
Operator ID:	BPL	ALS Bottle#:	8	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	41.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

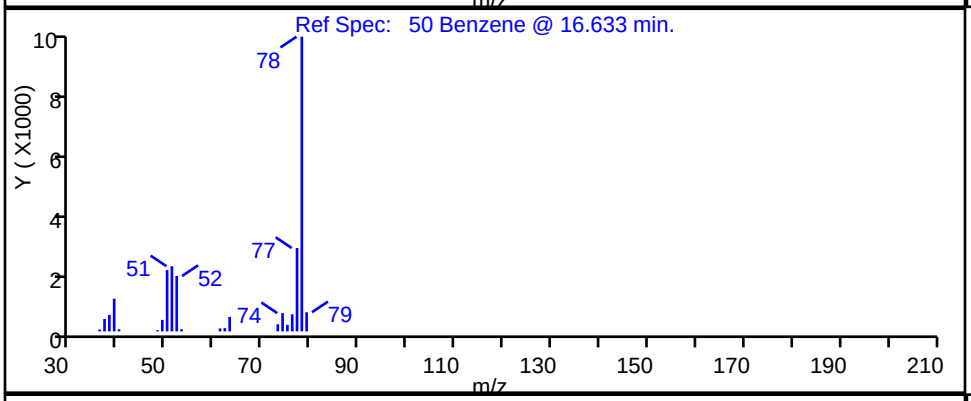
50 Benzene, CAS: 71-43-2

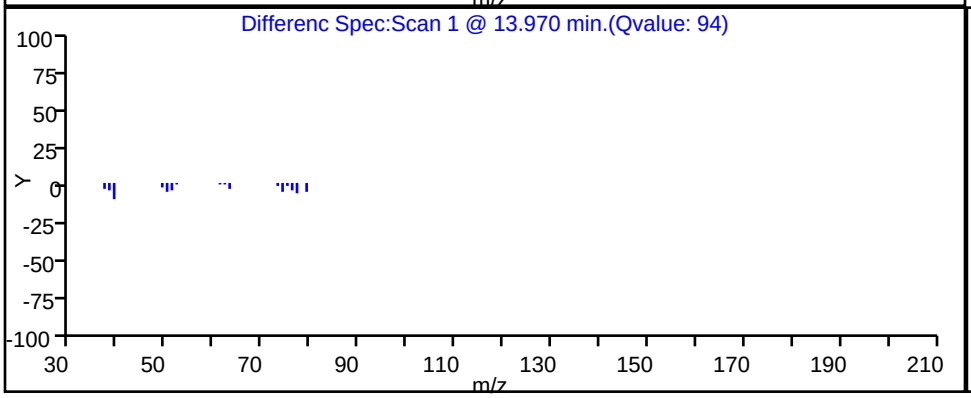


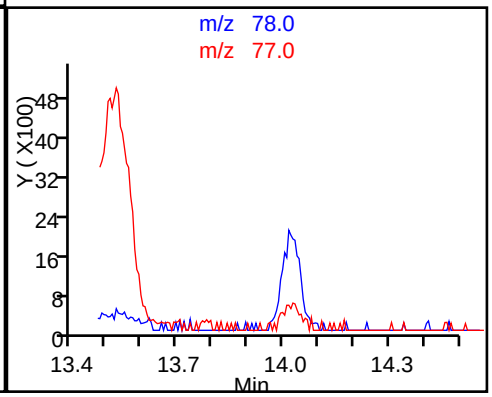












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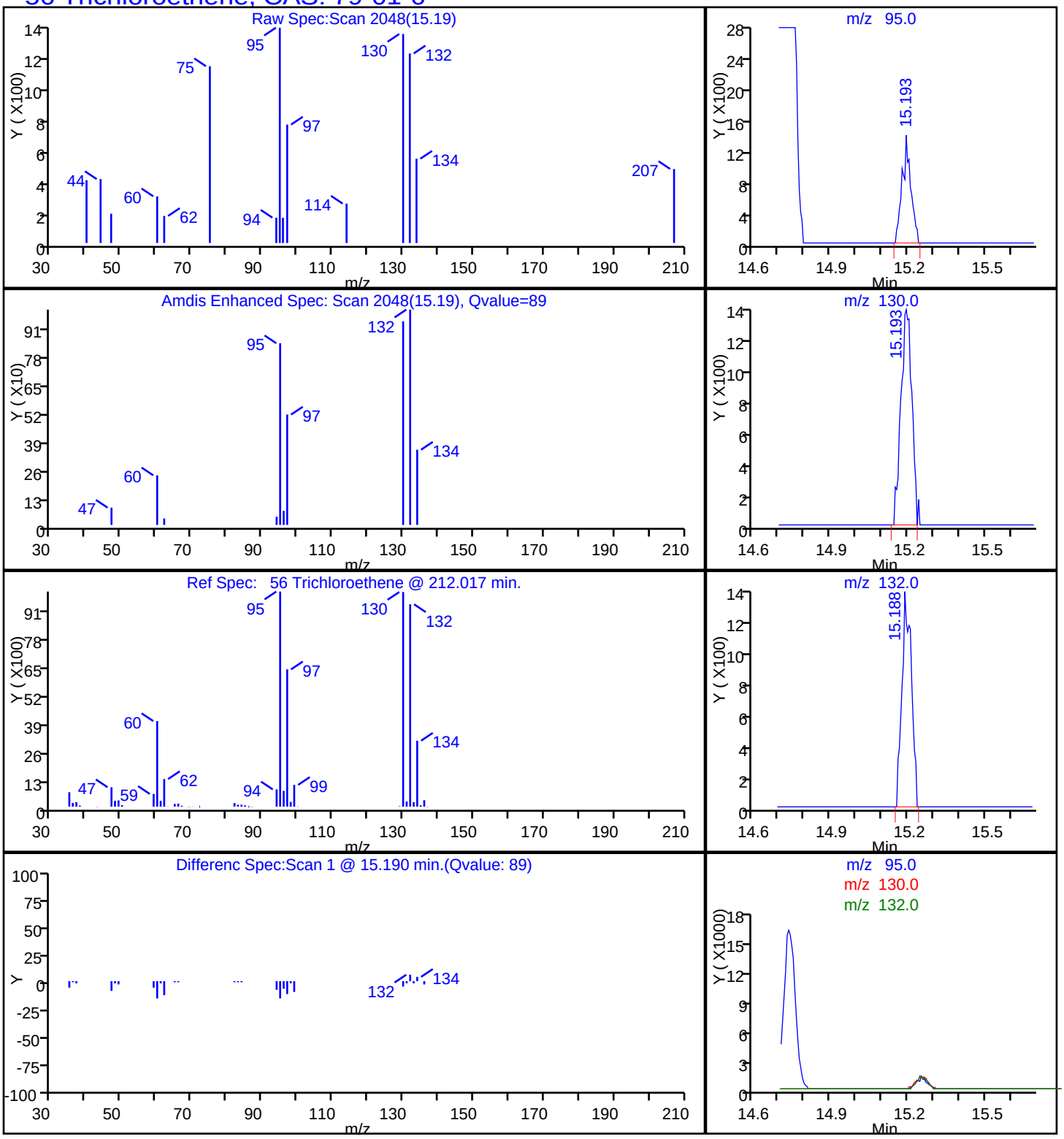
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140731-8801.b\8801_010.d

Injection Date:	31-Jul-2014 18:46:30	Instrument ID:	CHW.i
Lims ID:	280-58003-A-3	Lab Sample ID:	200-58003-3
Client ID:	774VMP0301KA		
Operator ID:	BPL	ALS Bottle#:	8 Worklist Smp#: 10
Purge Vol:	200.000 mL	Dil. Factor:	41.0000
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



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Data File: \\BTV-LIMS1\ChromData\CHW.i\20140731-8801.b\8801_010.d

Injection Date:	31-Jul-2014 18:46:30	Instrument ID:	CHW.i		
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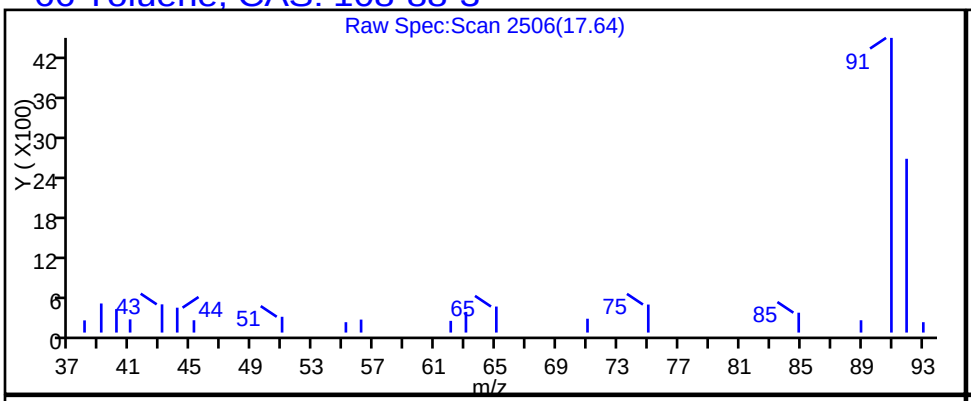
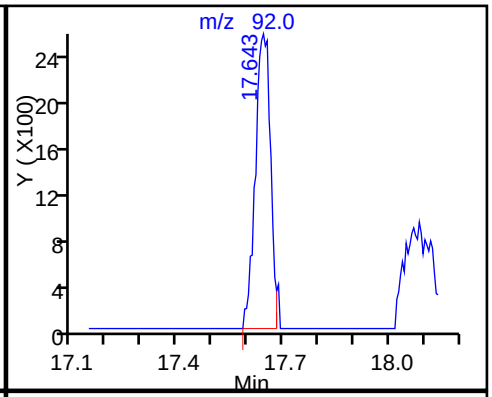
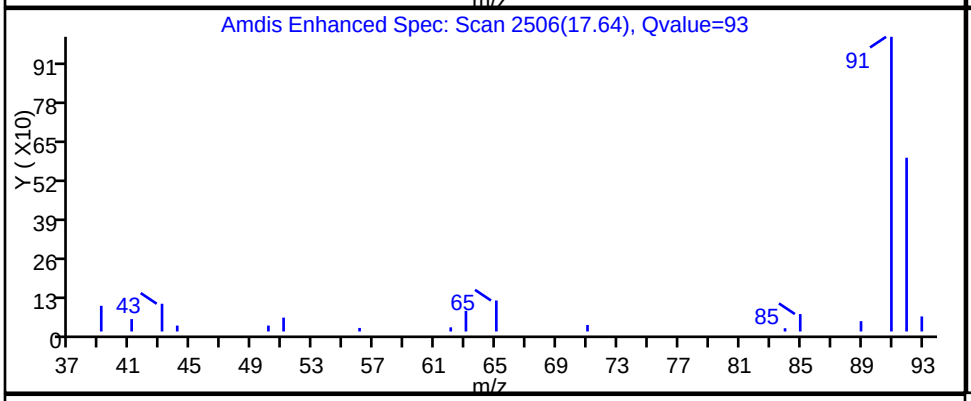
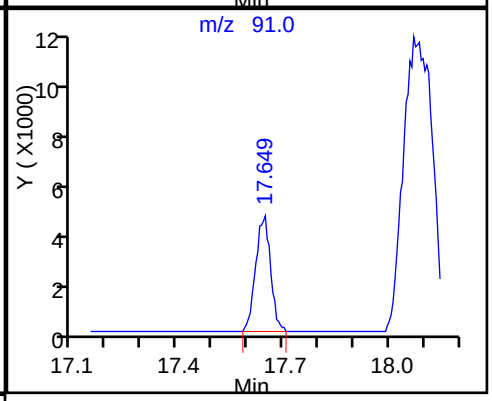
Client ID:	774VMP0301KA				
Operator ID:	BPL	ALS Bottle#:	8	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	41.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

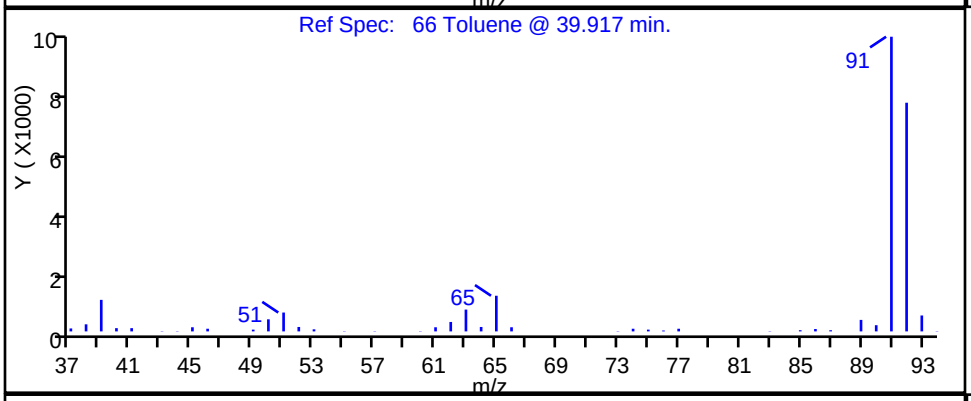
66 Toluene, CAS: 108-88-3

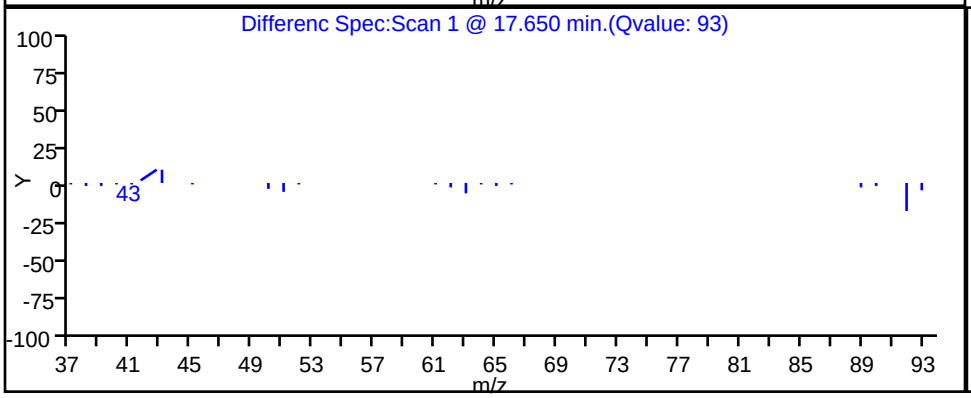


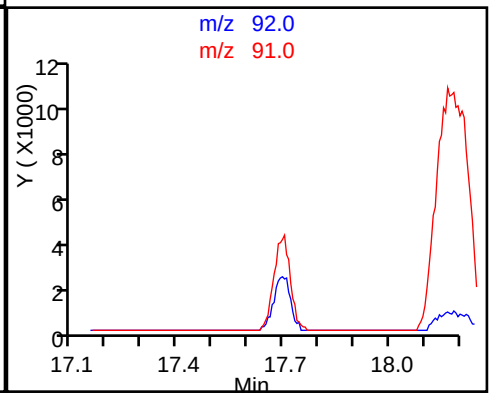








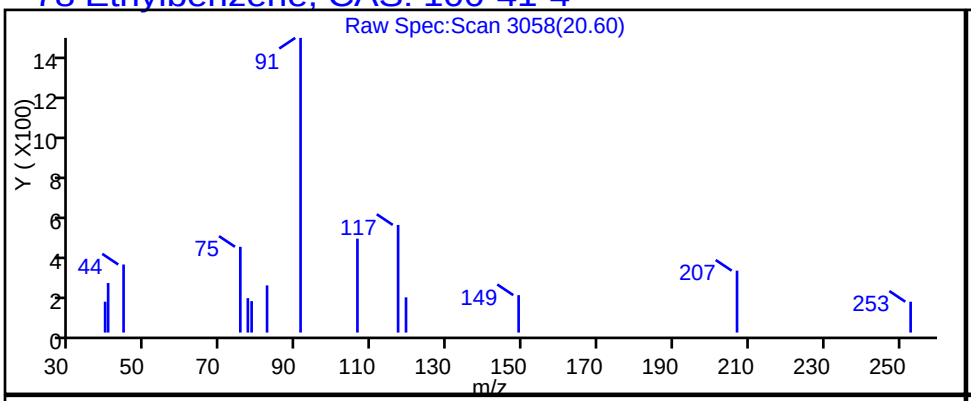


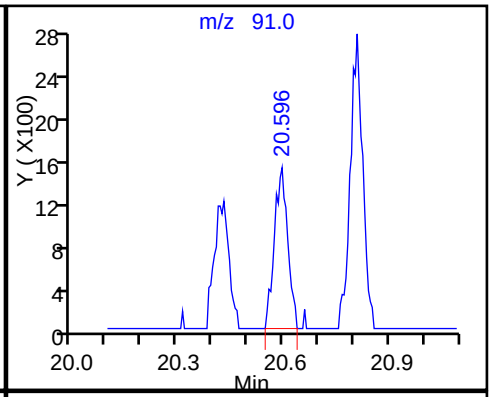


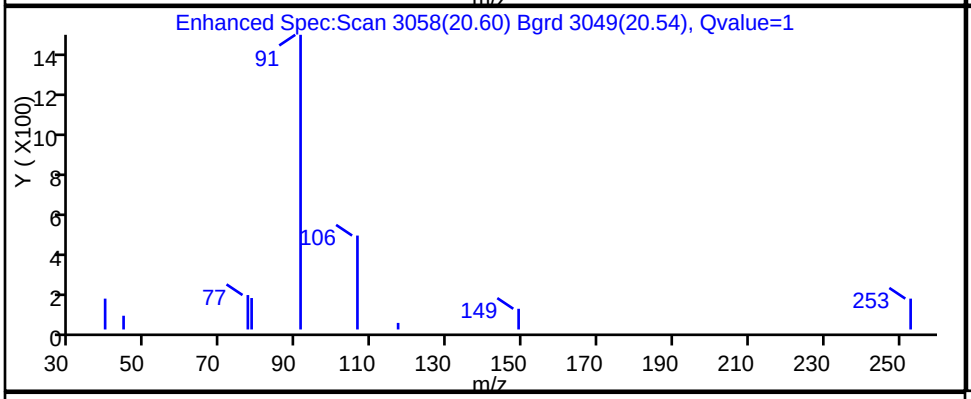
TestAmerica Burlington

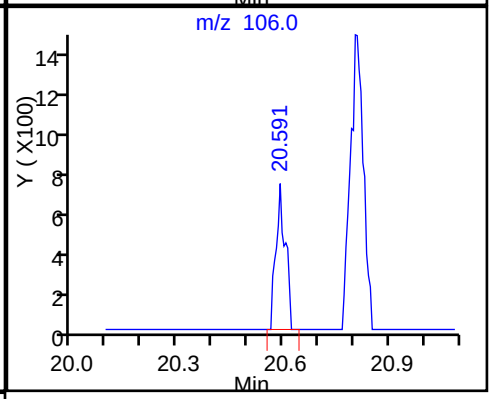
Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140731-8801.b\8801_010.d				
Injection Date:	31-Jul-2014 18:46:30	Instrument ID:	CHW.i		
Lims ID:	280-58003-A-3	Lab Sample ID:	200-58003-3		
Client ID:	774VMP0301KA				
Operator ID:	BPL	ALS Bottle#:	8	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	41.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

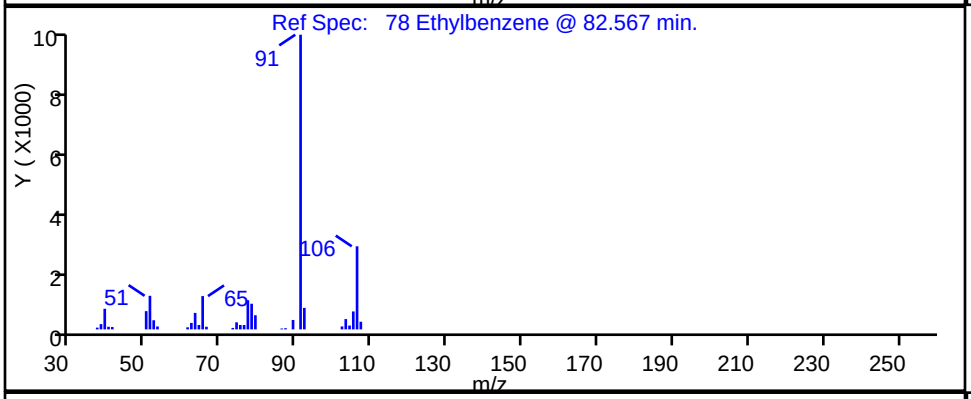
78 Ethylbenzene, CAS: 100-41-4

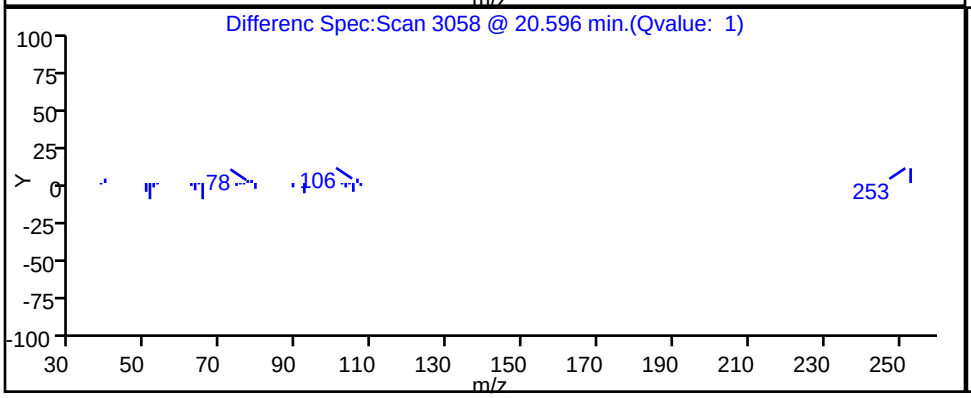


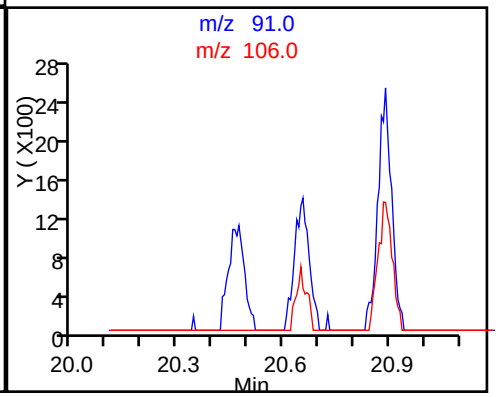












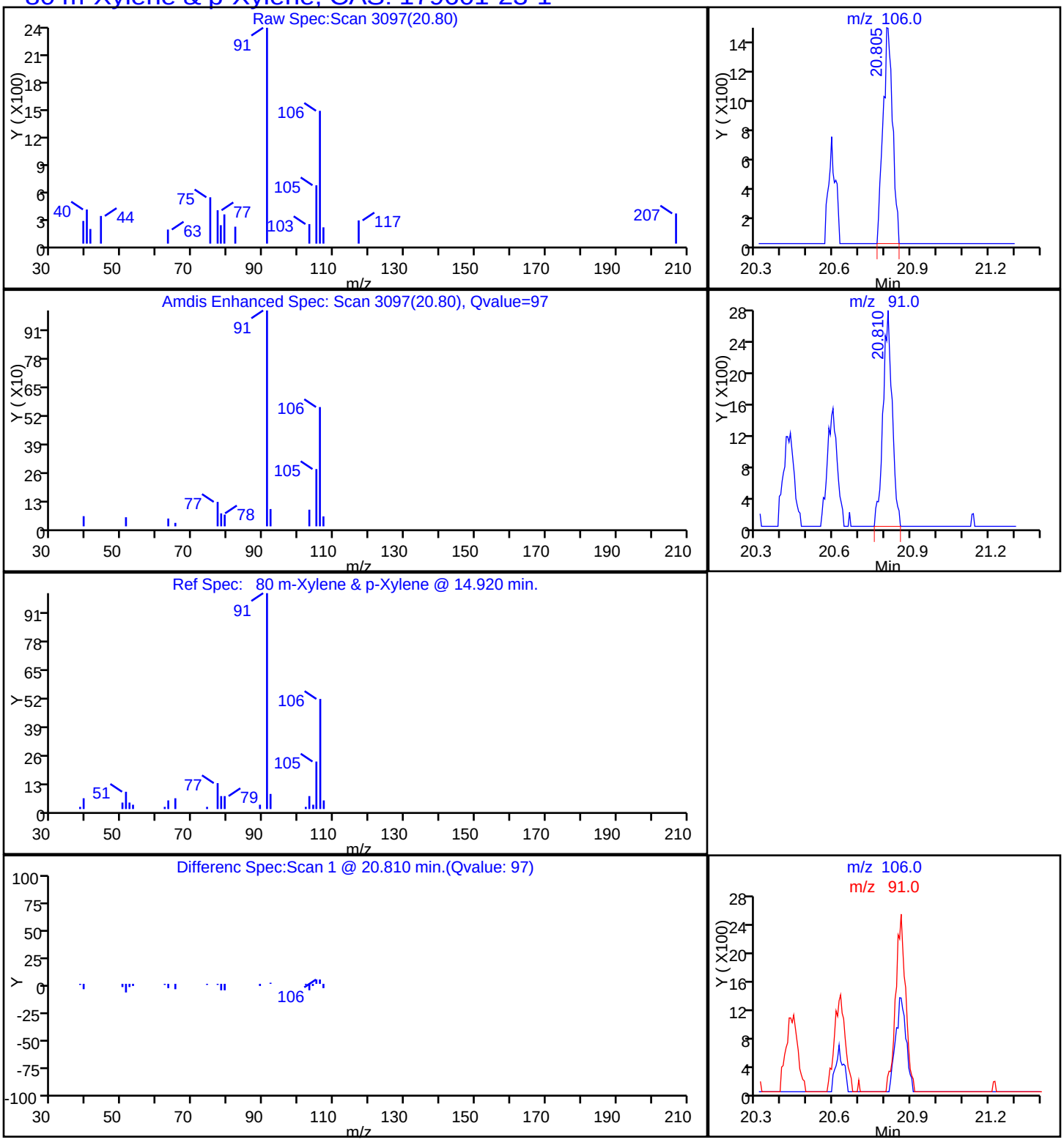
Report Date: 01-Aug-2014 10:24:42 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140731-8801.b\8801_010.d

Injection Date:	31-Jul-2014 18:46:30	Instrument ID:	CHW.i		
Lims ID:	280-58003-A-3	Lab Sample ID:	200-58003-3		
Client ID:	774VMP0301KA				
Operator ID:	BPL	ALS Bottle#:	8	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	41.0000		
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



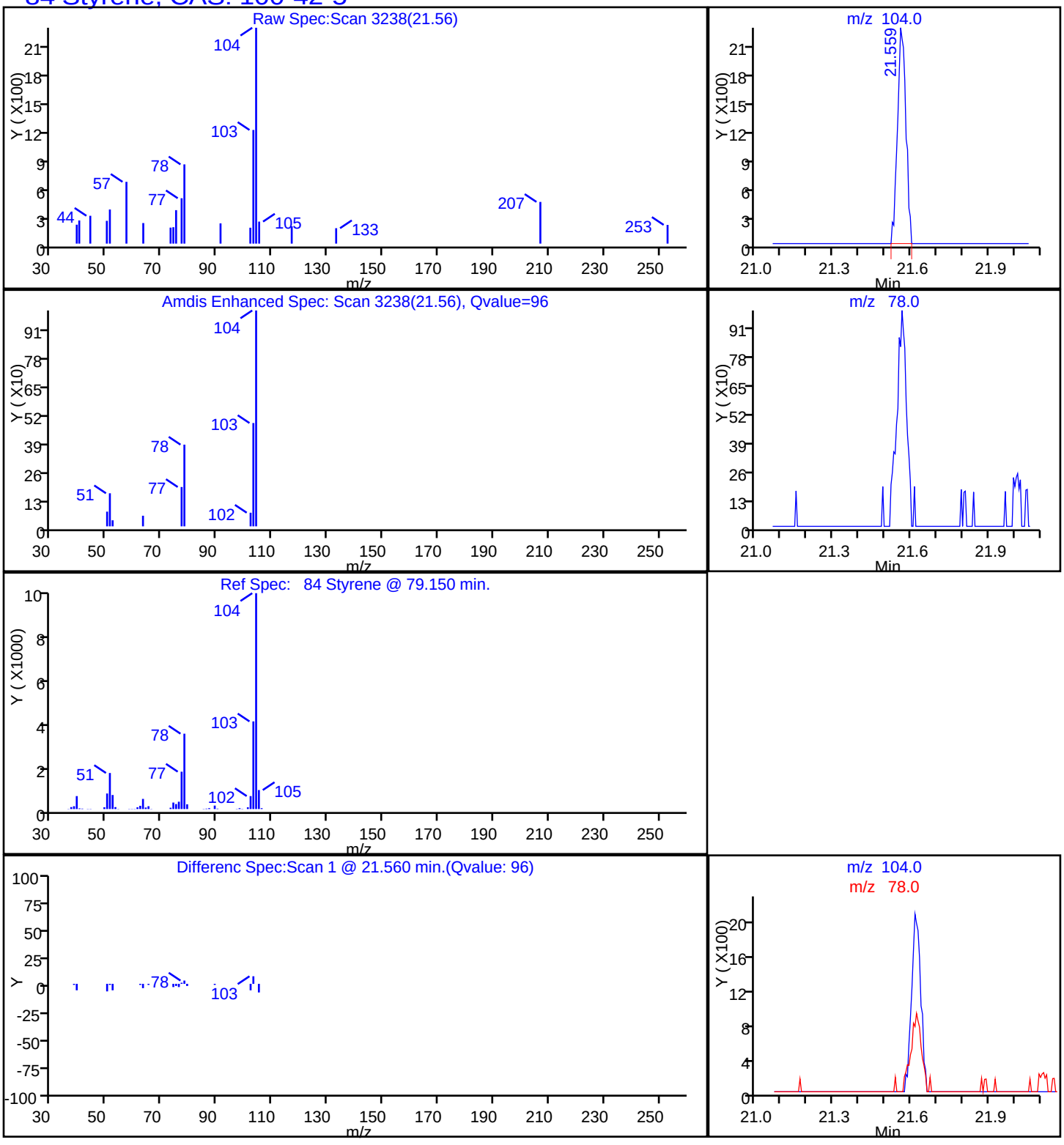
Report Date: 01-Aug-2014 10:24:42 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140731-8801.b\8801_010.d

Injection Date:	31-Jul-2014 18:46:30	Instrument ID:	CHW.i		
Lims ID:	280-58003-A-3	Lab Sample ID:	200-58003-3		
Client ID:	774VMP0301KA				
Operator ID:	BPL	ALS Bottle#:	8	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	41.0000		
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



Manual Integration/User Assign Peak Report

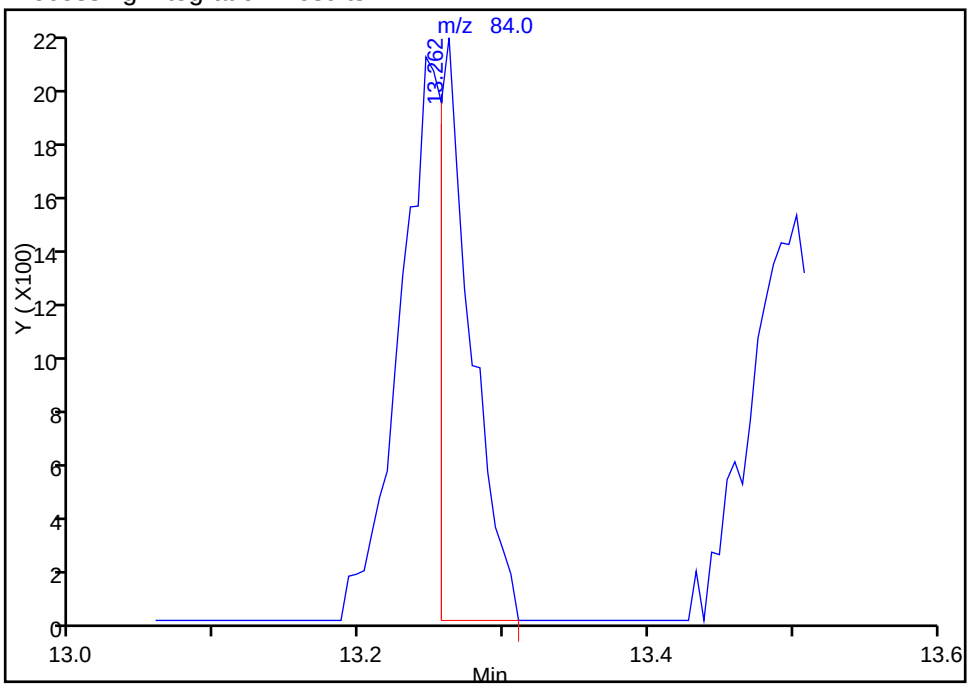
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140731-8801.b\8801_010.d				
Injection Date:	31-Jul-2014 18:46:30	Instrument ID:	CHW.i		
Lims ID:	280-58003-A-3	Lab Sample ID:	200-58003-3		
Client ID:	774VMP0301KA				
Operator ID:	BPL	ALS Bottle#:	8	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	41.0000		
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

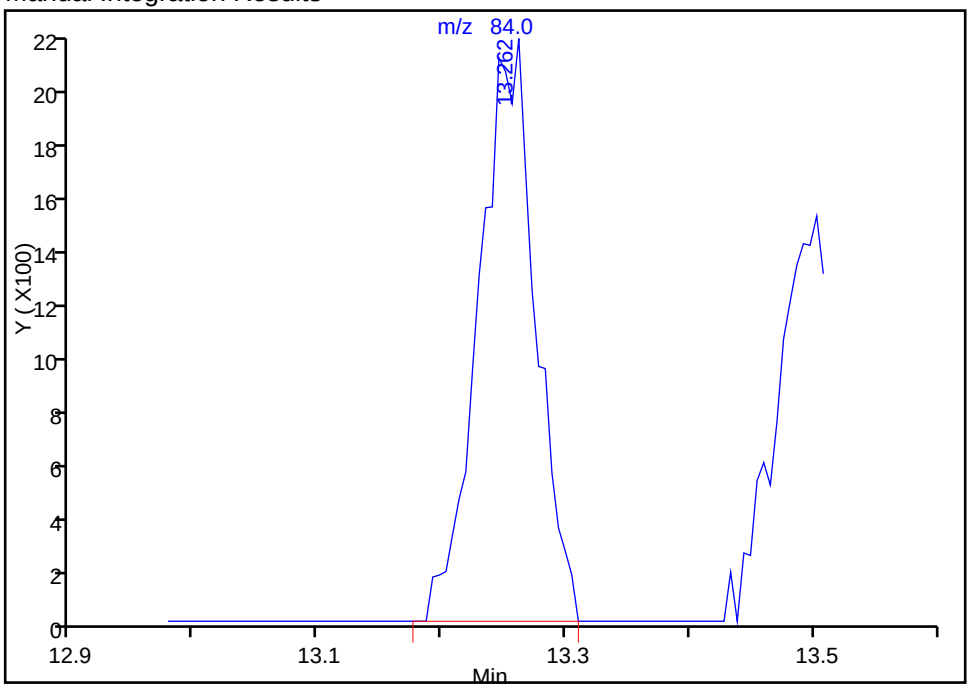
Processing Integration Results

RT: 13.26
Response: 3196
Amount: 0.041388



Manual Integration Results

RT: 13.26
Response: 6721
Amount: 0.087037



Reviewer: lyonsb, 01-Aug-2014 10:01:07
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

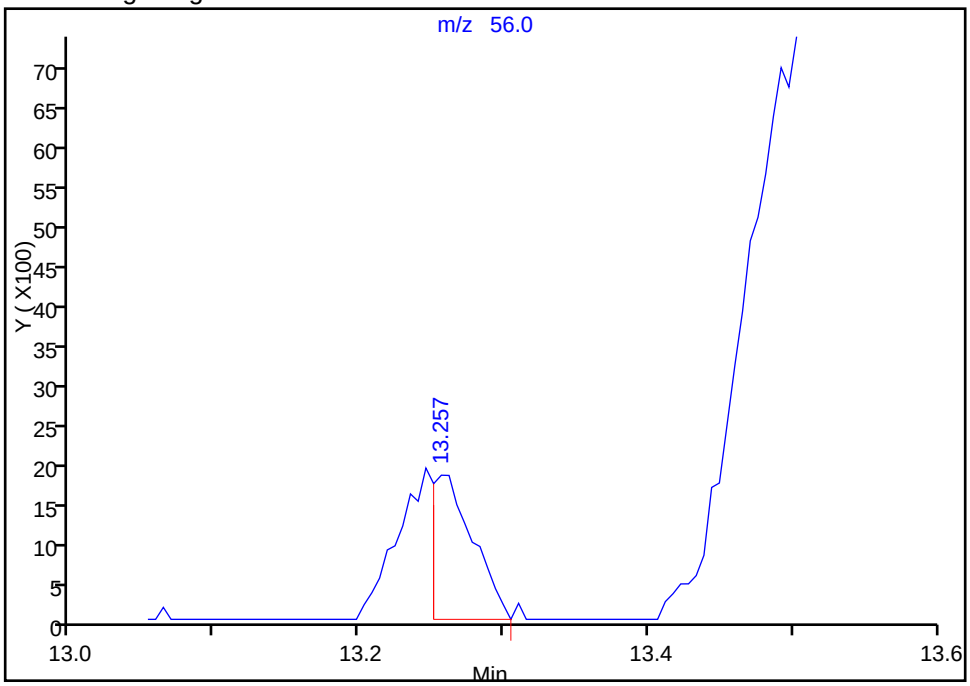
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140731-8801.b\8801_010.d				
Injection Date:	31-Jul-2014 18:46:30	Instrument ID:	CHW.i		
Lims ID:	280-58003-A-3	Lab Sample ID:	200-58003-3		
Client ID:	774VMP0301KA				
Operator ID:	BPL	ALS Bottle#:	8	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	41.0000		
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

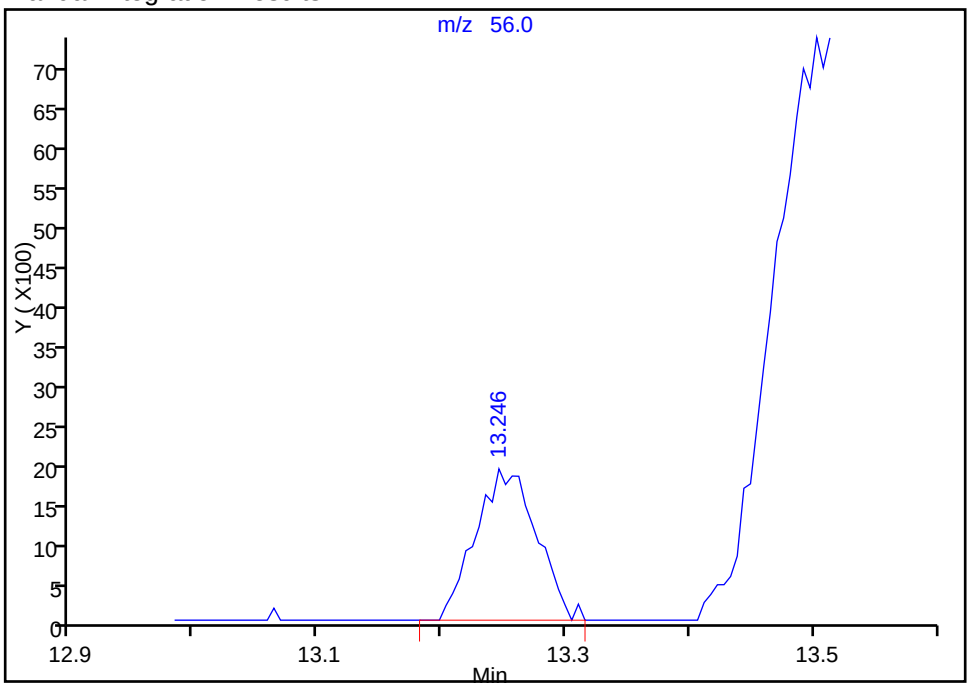
Processing Integration Results

RT: 13.26
Response: 3565
Amount: 0.041388



Manual Integration Results

RT: 13.25
Response: 6514
Amount: 0.087037



Reviewer: lyonsb, 01-Aug-2014 10:01:07
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

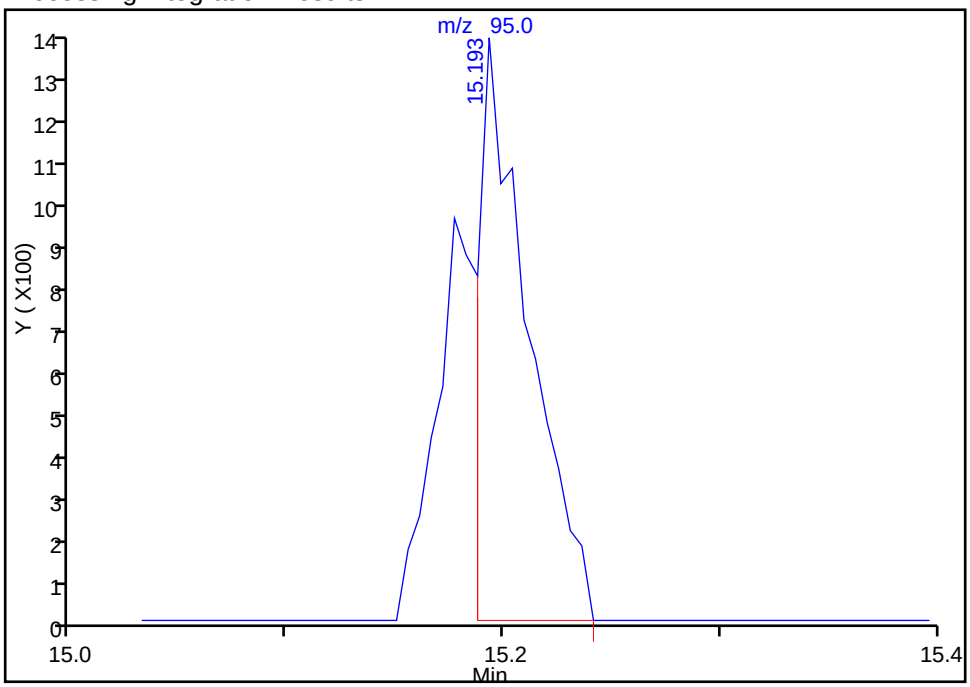
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140731-8801.b\8801_010.d				
Injection Date:	31-Jul-2014 18:46:30	Instrument ID:	CHW.i		
Lims ID:	280-58003-A-3	Lab Sample ID:	200-58003-3		
Client ID:	774VMP0301KA				
Operator ID:	BPL	ALS Bottle#:	8	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	41.0000		
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

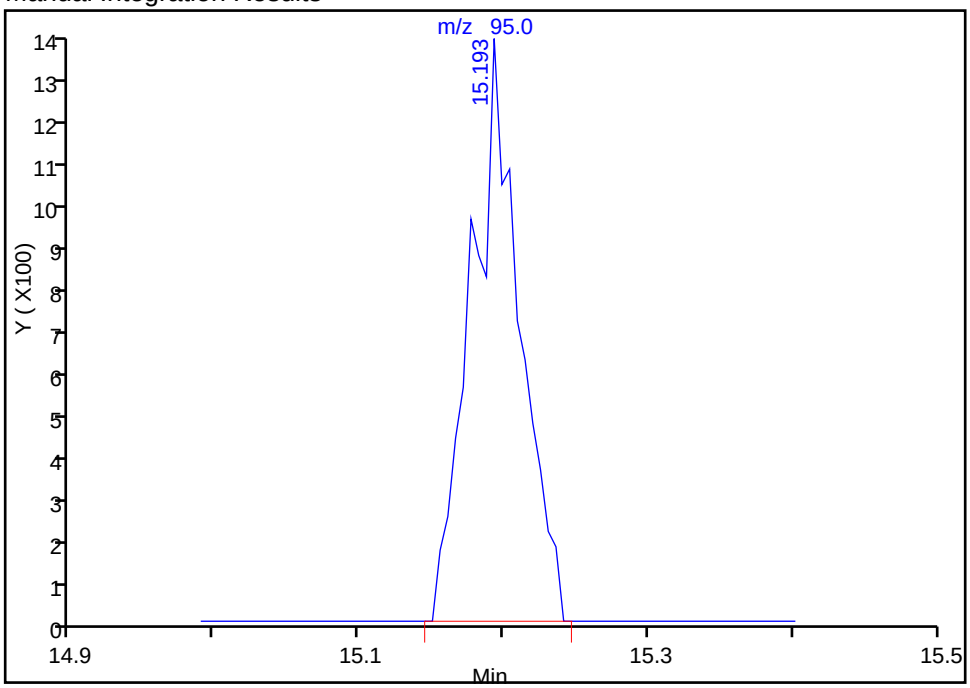
Processing Integration Results

RT: 15.19
Response: 2170
Amount: 0.028344



Manual Integration Results

RT: 15.19
Response: 3191
Amount: 0.041680



Reviewer: lyonsb, 01-Aug-2014 10:01:07
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

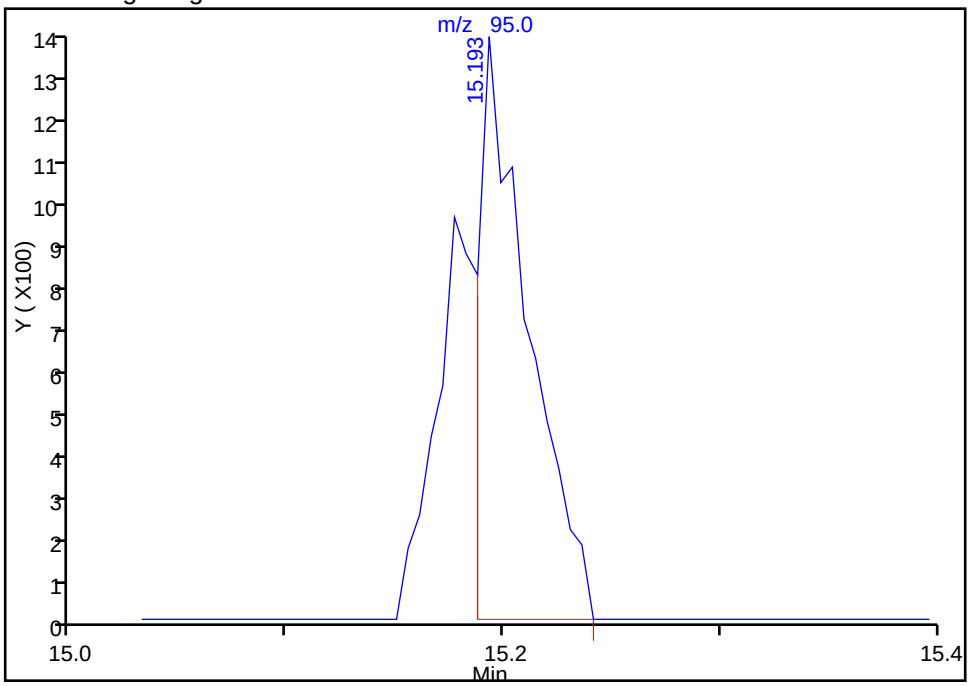
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140731-8801.b\8801_010.d				
Injection Date:	31-Jul-2014 18:46:30	Instrument ID:	CHW.i		
Lims ID:	280-58003-A-3	Lab Sample ID:	200-58003-3		
Client ID:	774VMP0301KA				
Operator ID:	BPL	ALS Bottle#:	8	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	41.0000		
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

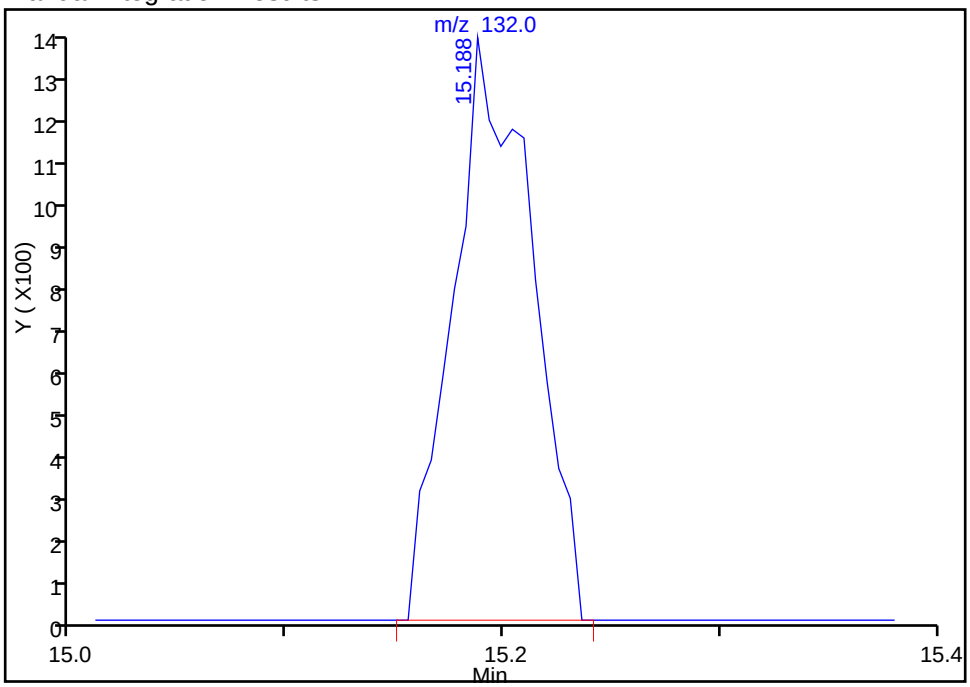
Processing Integration Results

RT: 15.19
Response: 0
Amount: 0.028344



Manual Integration Results

RT: 15.19
Response: 3571
Amount: 0.041680



Reviewer: lyonsb, 01-Aug-2014 10:01:07
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

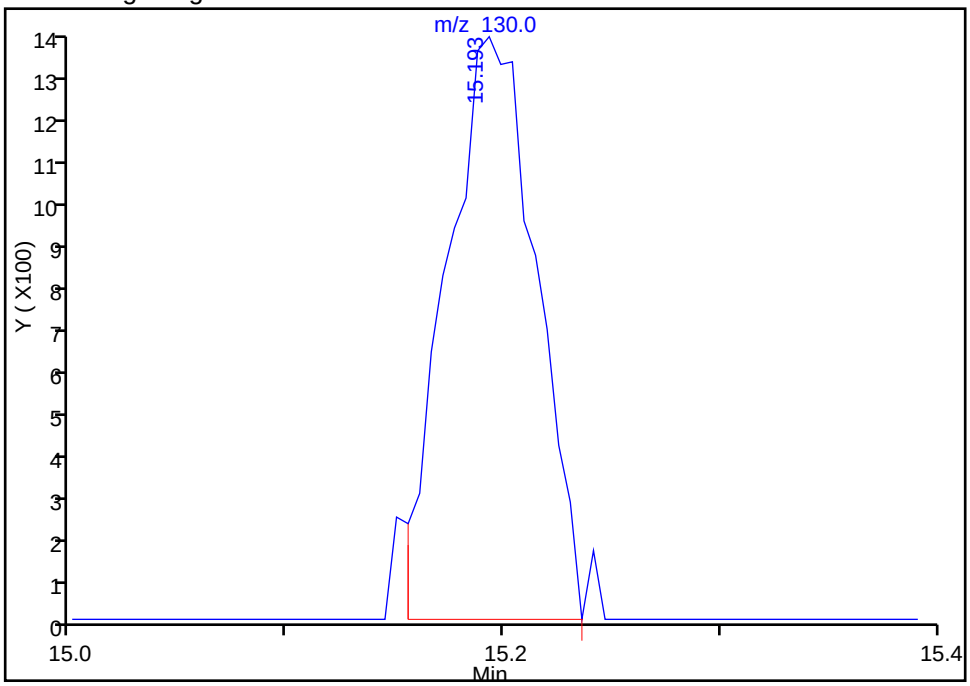
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140731-8801.b\8801_010.d				
Injection Date:	31-Jul-2014 18:46:30	Instrument ID:	CHW.i		
Lims ID:	280-58003-A-3	Lab Sample ID:	200-58003-3		
Client ID:	774VMP0301KA				
Operator ID:	BPL	ALS Bottle#:	8	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	41.0000		
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

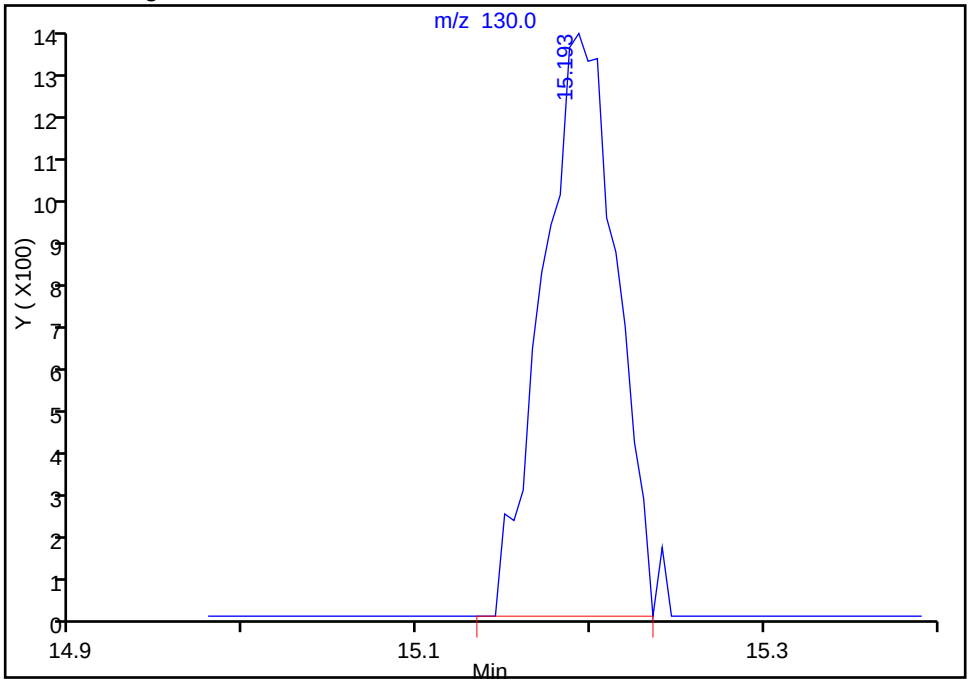
Processing Integration Results

RT: 15.19
Response: 3826
Amount: 0.028344



Manual Integration Results

RT: 15.19
Response: 3900
Amount: 0.041680



Reviewer: lyonsb, 01-Aug-2014 10:01:07
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

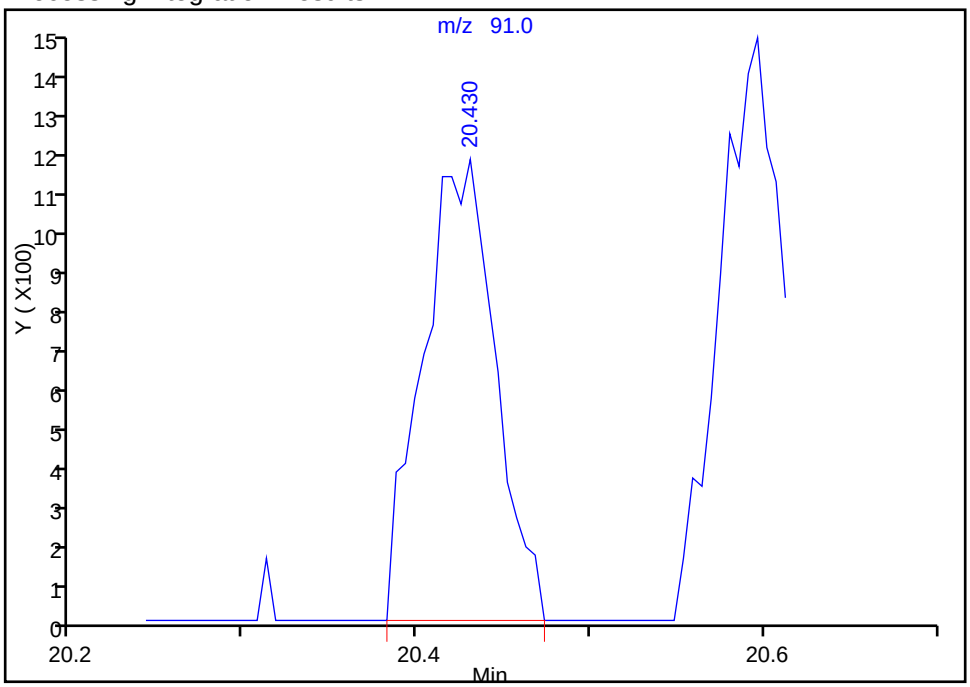
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140731-8801.b\8801_010.d				
Injection Date:	31-Jul-2014 18:46:30	Instrument ID:	CHW.i		
Lims ID:	280-58003-A-3	Lab Sample ID:	200-58003-3		
Client ID:	774VMP0301KA				
Operator ID:	BPL	ALS Bottle#:	8	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	41.0000		
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

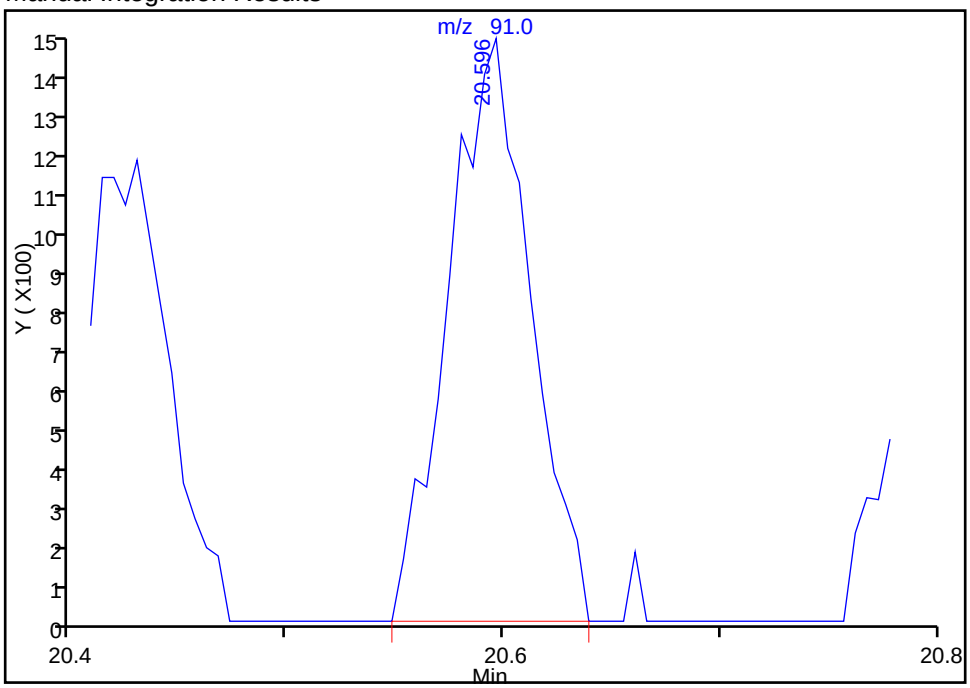
Processing Integration Results

RT: 20.43
Response: 3419
Amount: 0.012320



Manual Integration Results

RT: 20.60
Response: 3905
Amount: 0.014071



Reviewer: lyonsb, 01-Aug-2014 10:01:07
Audit Action: Assigned Compound ID
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

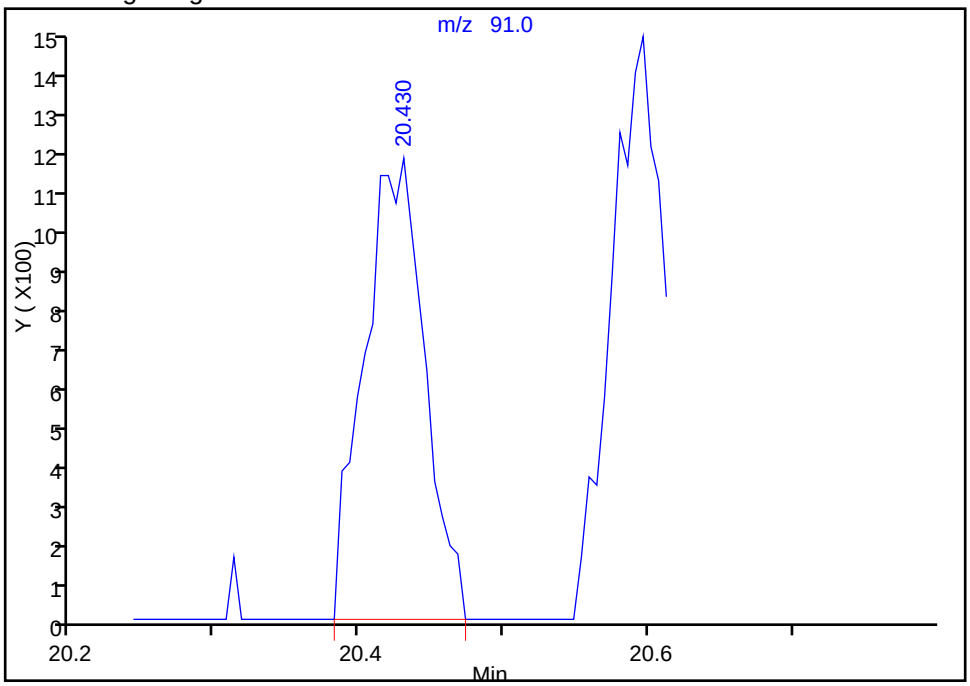
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140731-8801.b\8801_010.d				
Injection Date:	31-Jul-2014 18:46:30	Instrument ID:	CHW.i		
Lims ID:	280-58003-A-3	Lab Sample ID:	200-58003-3		
Client ID:	774VMP0301KA				
Operator ID:	BPL	ALS Bottle#:	8	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	41.0000		
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

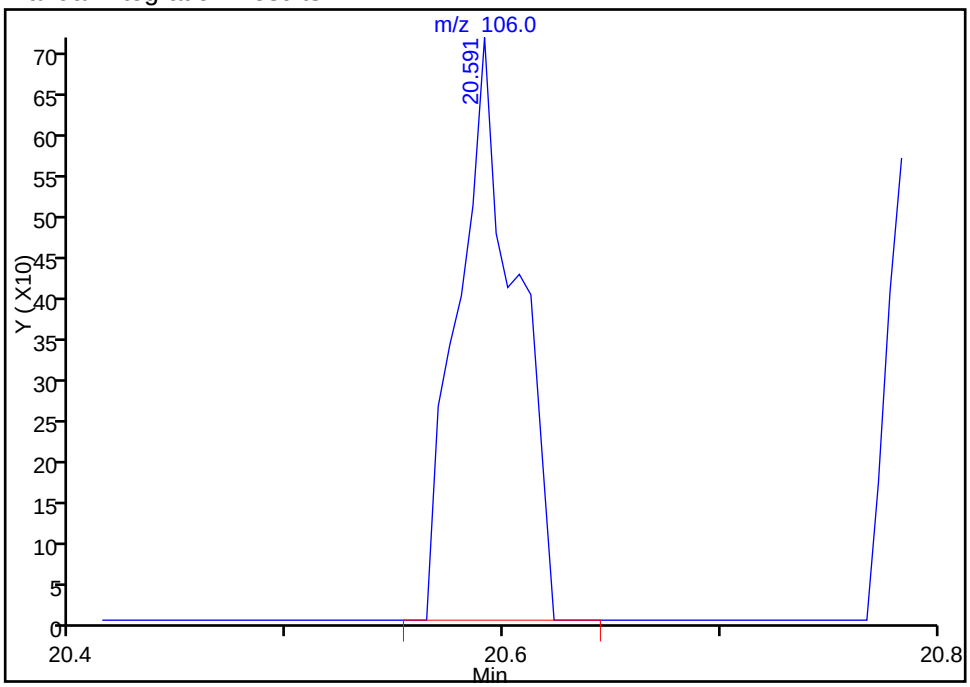
Processing Integration Results

RT: 20.59
Response: 0
Amount: 0.012320



Manual Integration Results

RT: 20.59
Response: 1317
Amount: 0.014071



Reviewer: lyonsb, 01-Aug-2014 10:01:07
Audit Action: Manually Integrated
Audit Reason: Baseline Event

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

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Client Sample ID: 776VMP0201KC Lab Sample ID: 280-58003-4

Matrix: Air Lab File ID: 8801_011.d

Analysis Method: TO-15 Date Collected: 07/17/2014 11:50

Sample wt/vol: 100(mL) Date Analyzed: 07/31/2014 19:34

Soil Aliquot Vol: Dilution Factor: 2

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75517 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	0.61	J D	1.0	0.060
75-45-6	Freon 22	86.47	49	D	1.0	0.096
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.16	U	0.40	0.070
74-87-3	Chloromethane	50.49	0.63	J D	1.0	0.27
106-97-8	n-Butane	58.12	0.63	J D	1.0	0.56
75-01-4	Vinyl chloride	62.50	0.16	U	0.40	0.076
106-99-0	1,3-Butadiene	54.09	0.16	U	0.40	0.084
74-83-9	Bromomethane	94.94	0.16	U	0.40	0.056
75-00-3	Chloroethane	64.52	0.16	U	1.0	0.060
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.16	U	0.40	0.060
75-69-4	Trichlorofluoromethane	137.37	0.27	J D	0.40	0.060
76-13-1	Freon TF	187.38	0.087	J D	0.40	0.036
75-35-4	1,1-Dichloroethene	96.94	0.16	U	0.40	0.048
67-64-1	Acetone	58.08	16	D	10	2.5
67-63-0	Isopropyl alcohol	60.10	19	D	10	0.43
75-15-0	Carbon disulfide	76.14	0.40	U	1.0	0.13
107-05-1	3-Chloropropene	76.53	0.16	U	1.0	0.068
75-09-2	Methylene Chloride	84.93	0.40	U	1.0	0.25
75-65-0	tert-Butyl alcohol	74.12	1.6	J D	10	0.66
1634-04-4	Methyl tert-butyl ether	88.15	0.087	J D	0.40	0.044
156-60-5	trans-1,2-Dichloroethene	96.94	0.16	U	0.40	0.058
110-54-3	n-Hexane	86.17	0.22	J D	0.40	0.068
75-34-3	1,1-Dichloroethane	98.96	0.16	U	0.40	0.076
78-93-3	Methyl Ethyl Ketone	72.11	2.4	D	1.0	0.48
156-59-2	cis-1,2-Dichloroethene	96.94	0.16	U	0.40	0.076
540-59-0	1,2-Dichloroethene, Total	96.94	0.16	U	0.40	0.13
67-66-3	Chloroform	119.38	0.068	J D	0.40	0.050
109-99-9	Tetrahydrofuran	72.11	0.16	U	10	0.092
71-55-6	1,1,1-Trichloroethane	133.41	0.16	U	0.40	0.042
110-82-7	Cyclohexane	84.16	0.36	J D	0.40	0.050
56-23-5	Carbon tetrachloride	153.81	0.16	U	0.40	0.042
540-84-1	2,2,4-Trimethylpentane	114.23	0.13	J D	0.40	0.054
71-43-2	Benzene	78.11	0.19	J D	0.40	0.038
107-06-2	1,2-Dichloroethane	98.96	0.060	U	0.40	0.034

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

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Client Sample ID: 776VMP0201KC Lab Sample ID: 280-58003-4

Matrix: Air Lab File ID: 8801_011.d

Analysis Method: TO-15 Date Collected: 07/17/2014 11:50

Sample wt/vol: 100(mL) Date Analyzed: 07/31/2014 19:34

Soil Aliquot Vol: Dilution Factor: 2

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75517 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
142-82-5	n-Heptane	100.21	0.17	J D	0.40	0.092
79-01-6	Trichloroethene	131.39	0.21	J D	0.40	0.048
80-62-6	Methyl methacrylate	100.12	0.17	J D	1.0	0.060
78-87-5	1,2-Dichloropropane	112.99	0.16	U	0.40	0.064
123-91-1	1,4-Dioxane	88.11	0.40	U	10	0.40
75-27-4	Bromodichloromethane	163.83	0.060	U	0.40	0.034
10061-01-5	cis-1,3-Dichloropropene	110.97	0.16	U	0.40	0.056
108-10-1	methyl isobutyl ketone	100.16	0.28	J D	1.0	0.054
108-88-3	Toluene	92.14	1.1	D	0.40	0.034
10061-02-6	trans-1,3-Dichloropropene	110.97	0.16	U	0.40	0.044
79-00-5	1,1,2-Trichloroethane	133.41	0.060	U	0.40	0.034
127-18-4	Tetrachloroethene	165.83	0.060	U	0.40	0.032
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.40	U	1.0	0.40
124-48-1	Dibromochloromethane	208.29	0.060	U	0.40	0.040
106-93-4	1,2-Dibromoethane	187.87	0.16	U	0.40	0.040
108-90-7	Chlorobenzene	112.56	0.060	U	0.40	0.016
100-41-4	Ethylbenzene	106.17	0.44	D	0.40	0.026
179601-23-1	m,p-Xylene	106.17	1.2	D	1.0	0.046
95-47-6	Xylene, o-	106.17	0.43	D	0.40	0.032
1330-20-7	Xylene (total)	106.17	1.6		0.40	0.068
100-42-5	Styrene	104.15	0.33	J D	0.40	0.036
75-25-2	Bromoform	252.75	0.060	U	0.40	0.020
98-82-8	Cumene	120.19	0.068	J D	0.40	0.032
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.060	U	0.40	0.032
103-65-1	n-Propylbenzene	120.19	0.16	U	0.40	0.16
622-96-8	4-Ethyltoluene	120.20	0.14	J D	0.40	0.036
108-67-8	1,3,5-Trimethylbenzene	120.20	0.14	J D	0.40	0.024
95-49-8	2-Chlorotoluene	126.59	0.060	U	0.40	0.026
98-06-6	tert-Butylbenzene	134.22	0.060	U	0.40	0.034
95-63-6	1,2,4-Trimethylbenzene	120.20	0.47	D	0.40	0.028
135-98-8	sec-Butylbenzene	134.22	0.16	U	0.40	0.16
99-87-6	4-Isopropyltoluene	134.22	0.16	U	0.40	0.16
541-73-1	1,3-Dichlorobenzene	147.00	1.0	D	0.40	0.028
106-46-7	1,4-Dichlorobenzene	147.00	0.060	U	0.40	0.028

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

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Client Sample ID: 776VMP0201KC Lab Sample ID: 280-58003-4

Matrix: Air Lab File ID: 8801_011.d

Analysis Method: TO-15 Date Collected: 07/17/2014 11:50

Sample wt/vol: 100(mL) Date Analyzed: 07/31/2014 19:34

Soil Aliquot Vol: Dilution Factor: 2

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75517 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	0.16	U	0.40	0.16
104-51-8	n-Butylbenzene	134.22	0.16	U	0.40	0.16
95-50-1	1,2-Dichlorobenzene	147.00	0.060	U	0.40	0.028
120-82-1	1,2,4-Trichlorobenzene	181.45	0.16	U	1.0	0.054
87-68-3	Hexachlorobutadiene	260.76	0.16	U	0.40	0.044
91-20-3	Naphthalene	128.17	0.40	U	1.0	0.40

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

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Client Sample ID: 776VMP0201KC Lab Sample ID: 280-58003-4

Matrix: Air Lab File ID: 8801_011.d

Analysis Method: TO-15 Date Collected: 07/17/2014 11:50

Sample wt/vol: 100(mL) Date Analyzed: 07/31/2014 19:34

Soil Aliquot Vol: Dilution Factor: 2

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75517 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	3.0	J D	4.9	0.30
75-45-6	Freon 22	86.47	170	D	3.5	0.34
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	1.1	U	2.8	0.49
74-87-3	Chloromethane	50.49	1.3	J D	2.1	0.56
106-97-8	n-Butane	58.12	1.5	J D	2.4	1.3
75-01-4	Vinyl chloride	62.50	0.41	U	1.0	0.19
106-99-0	1,3-Butadiene	54.09	0.35	U	0.88	0.19
74-83-9	Bromomethane	94.94	0.62	U	1.6	0.22
75-00-3	Chloroethane	64.52	0.42	U	2.6	0.16
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.70	U	1.7	0.26
75-69-4	Trichlorofluoromethane	137.37	1.5	J D	2.2	0.34
76-13-1	Freon TF	187.38	0.67	J D	3.1	0.28
75-35-4	1,1-Dichloroethene	96.94	0.63	U	1.6	0.19
67-64-1	Acetone	58.08	38	D	24	5.9
67-63-0	Isopropyl alcohol	60.10	47	D	25	1.1
75-15-0	Carbon disulfide	76.14	1.2	U	3.1	0.41
107-05-1	3-Chloropropene	76.53	0.50	U	3.1	0.21
75-09-2	Methylene Chloride	84.93	1.4	U	3.5	0.87
75-65-0	tert-Butyl alcohol	74.12	5.0	J D	30	2.0
1634-04-4	Methyl tert-butyl ether	88.15	0.32	J D	1.4	0.16
156-60-5	trans-1,2-Dichloroethene	96.94	0.63	U	1.6	0.23
110-54-3	n-Hexane	86.17	0.79	J D	1.4	0.24
75-34-3	1,1-Dichloroethane	98.96	0.65	U	1.6	0.31
78-93-3	Methyl Ethyl Ketone	72.11	7.0	D	2.9	1.4
156-59-2	cis-1,2-Dichloroethene	96.94	0.63	U	1.6	0.30
540-59-0	1,2-Dichloroethene, Total	96.94	0.63	U	1.6	0.51
67-66-3	Chloroform	119.38	0.33	J D	2.0	0.24
109-99-9	Tetrahydrofuran	72.11	0.47	U	29	0.27
71-55-6	1,1,1-Trichloroethane	133.41	0.87	U	2.2	0.23
110-82-7	Cyclohexane	84.16	1.3	J D	1.4	0.17
56-23-5	Carbon tetrachloride	153.81	1.0	U	2.5	0.26
540-84-1	2,2,4-Trimethylpentane	114.23	0.61	J D	1.9	0.25
71-43-2	Benzene	78.11	0.60	J D	1.3	0.12
107-06-2	1,2-Dichloroethane	98.96	0.24	U	1.6	0.14

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

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Client Sample ID: 776VMP0201KC Lab Sample ID: 280-58003-4

Matrix: Air Lab File ID: 8801_011.d

Analysis Method: TO-15 Date Collected: 07/17/2014 11:50

Sample wt/vol: 100(mL) Date Analyzed: 07/31/2014 19:34

Soil Aliquot Vol: Dilution Factor: 2

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75517 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
142-82-5	n-Heptane	100.21	0.69	J D	1.6	0.38
79-01-6	Trichloroethene	131.39	1.1	J D	2.1	0.26
80-62-6	Methyl methacrylate	100.12	0.71	J D	4.1	0.25
78-87-5	1,2-Dichloropropane	112.99	0.74	U	1.8	0.30
123-91-1	1,4-Dioxane	88.11	1.4	U	36	1.4
75-27-4	Bromodichloromethane	163.83	0.40	U	2.7	0.23
10061-01-5	cis-1,3-Dichloropropene	110.97	0.73	U	1.8	0.25
108-10-1	methyl isobutyl ketone	100.16	1.2	J D	4.1	0.22
108-88-3	Toluene	92.14	4.2	D	1.5	0.13
10061-02-6	trans-1,3-Dichloropropene	110.97	0.73	U	1.8	0.20
79-00-5	1,1,2-Trichloroethane	133.41	0.33	U	2.2	0.19
127-18-4	Tetrachloroethene	165.83	0.41	U	2.7	0.22
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	1.6	U	4.1	1.6
124-48-1	Dibromochloromethane	208.29	0.51	U	3.4	0.34
106-93-4	1,2-Dibromoethane	187.87	1.2	U	3.1	0.31
108-90-7	Chlorobenzene	112.56	0.28	U	1.8	0.075
100-41-4	Ethylbenzene	106.17	1.9	D	1.7	0.11
179601-23-1	m,p-Xylene	106.17	5.1	D	4.3	0.20
95-47-6	Xylene, o-	106.17	1.9	D	1.7	0.14
1330-20-7	Xylene (total)	106.17	7.1		1.7	0.30
100-42-5	Styrene	104.15	1.4	J D	1.7	0.15
75-25-2	Bromoform	252.75	0.62	U	4.1	0.21
98-82-8	Cumene	120.19	0.34	J D	2.0	0.16
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.41	U	2.7	0.22
103-65-1	n-Propylbenzene	120.19	0.79	U	2.0	0.79
622-96-8	4-Ethyltoluene	120.20	0.68	J D	2.0	0.18
108-67-8	1,3,5-Trimethylbenzene	120.20	0.68	J D	2.0	0.12
95-49-8	2-Chlorotoluene	126.59	0.31	U	2.1	0.13
98-06-6	tert-Butylbenzene	134.22	0.33	U	2.2	0.19
95-63-6	1,2,4-Trimethylbenzene	120.20	2.3	D	2.0	0.14
135-98-8	sec-Butylbenzene	134.22	0.88	U	2.2	0.88
99-87-6	4-Isopropyltoluene	134.22	0.88	U	2.2	0.88
541-73-1	1,3-Dichlorobenzene	147.00	6.3	D	2.4	0.17
106-46-7	1,4-Dichlorobenzene	147.00	0.36	U	2.4	0.17

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

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Client Sample ID: 776VMP0201KC Lab Sample ID: 280-58003-4

Matrix: Air Lab File ID: 8801_011.d

Analysis Method: TO-15 Date Collected: 07/17/2014 11:50

Sample wt/vol: 100(mL) Date Analyzed: 07/31/2014 19:34

Soil Aliquot Vol: Dilution Factor: 2

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75517 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	0.83	U	2.1	0.83
104-51-8	n-Butylbenzene	134.22	0.88	U	2.2	0.88
95-50-1	1,2-Dichlorobenzene	147.00	0.36	U	2.4	0.17
120-82-1	1,2,4-Trichlorobenzene	181.45	1.2	U	7.4	0.40
87-68-3	Hexachlorobutadiene	260.76	1.7	U	4.3	0.47
91-20-3	Naphthalene	128.17	2.1	U	5.2	2.1

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140731-8801.b\8801_011.d
Lims ID: 280-58003-A-4 Lab Sample ID: 200-58003-4
Client ID: 776VMP0201KC
Sample Type: Client
Inject. Date: 31-Jul-2014 19:34:30 ALS Bottle#: 9 Worklist Smp#: 11
Purge Vol: 200.000 mL Dil. Factor: 2.0000
Sample Info: 200-0008801-011
Misc. Info.: 280-58003-a-4
Operator ID: BPL Instrument ID: CHW.i

Method: \\BTV-LIMS1\ChromData\CHW.i\20140731-8801.b\TO15_LLNJ_TO3_W_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 01-Aug-2014 10:24:29 Calib Date: 15-Jun-2014 00:33:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20140613-8058.b\8058_017.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK037

First Level Reviewer: lyonsb Date: 01-Aug-2014 10:02:59

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	4.483	4.494	-0.011	53	34247	0.3050	
6 Chlorodifluoromethane	51	4.547	4.558	-0.011	79	1380728	24.6	
7 1,2-Dichloro-1,1,2,2-tetra	85		4.847				ND	
8 Chloromethane	50	5.029	5.039	-0.010	76	10387	0.3127	
9 Butane	43	5.291	5.307	-0.016	86	17361	0.3154	
10 Vinyl chloride	62		5.355				ND	
11 Butadiene	54		5.457				ND	
12 Bromomethane	94		6.329				ND	
14 Chloroethane	64		6.612				ND	
16 Vinyl bromide	106		7.083				ND	
17 Trichlorofluoromethane	101	7.190	7.195	-0.005	73	16423	0.1326	
23 1,1,2-Trichloro-1,2,2-trif	101	8.442	8.447	-0.005	52	4132	0.0435	
24 1,1-Dichloroethene	96		8.522				ND	
25 Acetone	43	8.736	8.746	-0.010	90	465440	7.94	
26 Carbon disulfide	76		9.003				ND	
27 Isopropyl alcohol	45	9.019	9.057	-0.038	98	473752	9.58	
29 3-Chloro-1-propene	41		9.399				ND	
31 Methylene Chloride	49		9.736				ND	
32 2-Methyl-2-propanol	59	9.897	9.918	-0.021	98	58446	0.8187	
33 Methyl tert-butyl ether	73	10.159	10.170	-0.011	49	5444	0.0437	
S 41 1,2-Dichloroethene, Total	61		10.200				0	
34 trans-1,2-Dichloroethene	61		10.228				ND	
36 Hexane	57	10.640	10.651	-0.011	60	7552	0.1116	
37 1,1-Dichloroethane	63		11.191				ND	
39 cis-1,2-Dichloroethene	96		12.374				ND	
40 2-Butanone (MEK)	72	12.374	12.395	-0.021	98	29199	1.18	
44 Tetrahydrofuran	42		12.855				ND	
* 43 Chlorobromomethane	128	12.839	12.850	-0.011	72	383971	10.0	
45 Chloroform	83	12.946	12.962	-0.016	32	3100	0.0339	
46 Cyclohexane	84	13.246	13.262	-0.016	84	12738	0.1824	
47 1,1,1-Trichloroethane	97		13.262				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
48 Carbon tetrachloride	117		13.524				ND	
51 Isooctane	57	13.909	13.914	-0.005	91	13585	0.0650	
50 Benzene	78	13.968	13.973	-0.005	62	13865	0.0938	
52 1,2-Dichloroethane	62		14.134				ND	
53 n-Heptane	43	14.251	14.267	-0.016	84	6372	0.0844	
* 54 1,4-Difluorobenzene	114	14.722	14.733	-0.011	92	1883714	10.0	
56 Trichloroethene	95	15.198	15.204	-0.006	69	7181	0.1037	
58 1,2-Dichloropropane	63		15.717				ND	
59 Methyl methacrylate	69	15.792	15.803	-0.011	67	4329	0.0866	
60 1,4-Dioxane	88		15.899				ND	
62 Dichlorobromomethane	83		16.204				ND	
64 cis-1,3-Dichloropropene	75		17.071				ND	
65 4-Methyl-2-pentanone (MIBK	43	17.290	17.301	-0.011	82	12219	0.1407	
66 Toluene	92	17.638	17.638	0.000	93	67059	0.5617	
70 trans-1,3-Dichloropropene	75		18.178				ND	
71 1,1,2-Trichloroethane	83		18.542				ND	
72 Tetrachloroethene	166		18.681				ND	
73 2-Hexanone	43	18.932	18.927	0.005	86	10556	0.1304	7
74 Chlorodibromomethane	129		19.296				ND	
75 Ethylene Dibromide	107		19.574				ND	
S 82 Xylenes, Total	106				0		0.8082	
* 76 Chlorobenzene-d5	117	20.425	20.425	0.000	80	1679972	10.0	
77 Chlorobenzene	112		20.479				ND	
78 Ethylbenzene	91	20.591	20.596	-0.005	93	52737	0.2222	
80 m-Xylene & p-Xylene	106	20.805	20.810	-0.005	98	60037	0.5917	
83 o-Xylene	106	21.527	21.522	0.005	91	22431	0.2165	
84 Styrene	104	21.564	21.564	0.000	93	24452	0.1627	
85 Bromoform	173		21.944				ND	
86 Isopropylbenzene	105	22.083	22.089	-0.006	39	9652	0.0341	
$ 87 4-Bromofluorobenzene	95	22.426	22.426	0.000	97	1113963	NC	
88 1,1,2,2-Tetrachloroethane	83		22.650				ND	
90 N-Propylbenzene	91		22.720				ND	
91 4-Ethyltoluene	105	22.891	22.891	0.000	82	19584	0.0695	
92 2-Chlorotoluene	91		22.923				ND	
94 1,3,5-Trimethylbenzene	105	22.982	22.982	0.000	73	16617	0.0691	
96 tert-Butylbenzene	119		23.453				ND	
97 1,2,4-Trimethylbenzene	105	23.549	23.549	0.000	96	57173	0.2364	
98 sec-Butylbenzene	105		23.785				ND	
99 4-Isopropyltoluene	119		23.988				ND	
100 1,3-Dichlorobenzene	146	24.057	24.057	0.000	95	98167	0.5240	
101 1,4-Dichlorobenzene	146		24.202				ND	
102 Benzyl chloride	91		24.411				ND	
103 n-Butylbenzene	91		24.625				ND	
105 1,2-Dichlorobenzene	146		24.812				ND	
107 1,2,4-Trichlorobenzene	180		27.695				ND	
108 Hexachlorobutadiene	225		27.893				ND	
109 Naphthalene	128		28.278				ND	

QC Flag Legend

Processing Flags
NC - Not Calibrated
ND - Not Detected or Marked ND
7 - Failed Limit of Detection

Reagents:

ATTO15WISs_00003	Amount Added:	20.00	Units: mL	Run Reagent

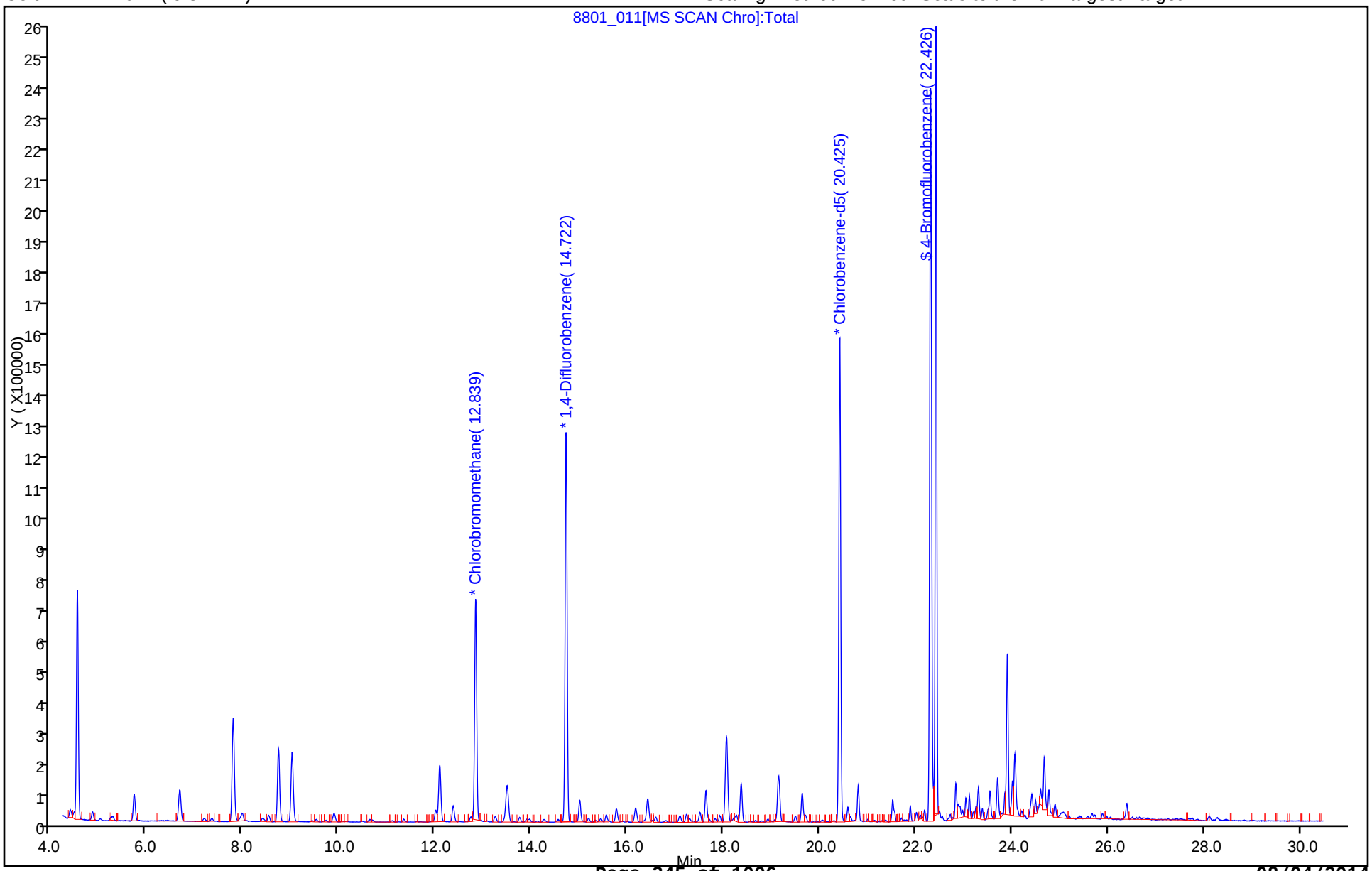
Report Date: 01-Aug-2014 10:24:44 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140731-8801.b\8801_011.d

Injection Date:	31-Jul-2014 19:34:30	Instrument ID:	CHW.i	Operator ID:	BPL
Lims ID:	280-58003-A-4	Lab Sample ID:	200-58003-4	Worklist Smp#:	11
Client ID:	776VMP0201KC				
Purge Vol:	200.000 mL	Dil. Factor:	2.0000	ALS Bottle#:	9
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



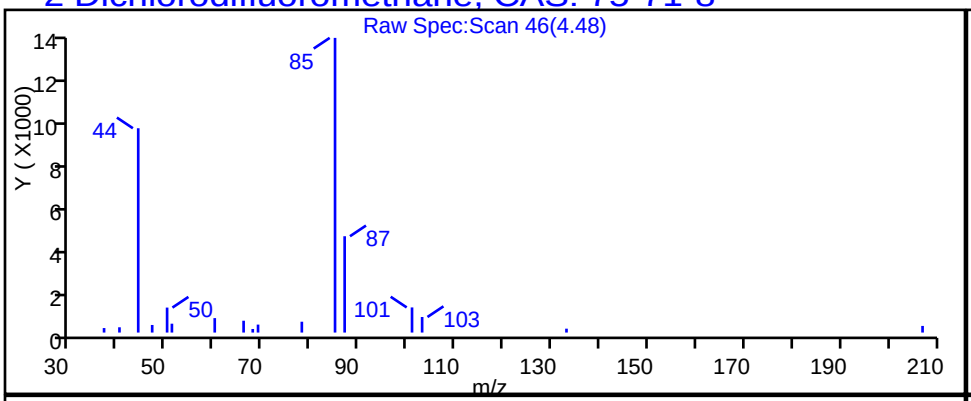
Report Date: 01-Aug-2014 10:24:44 Chrom Revision: 2.2 24-Jun-2014 07:21:42

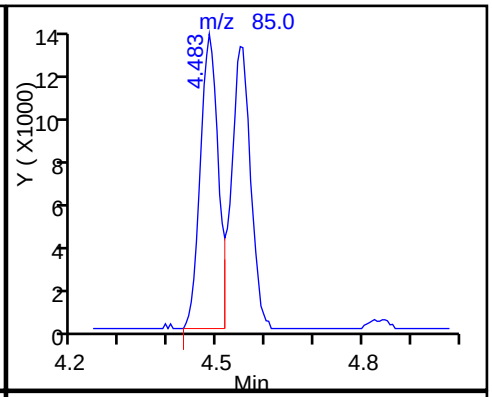
TestAmerica Burlington

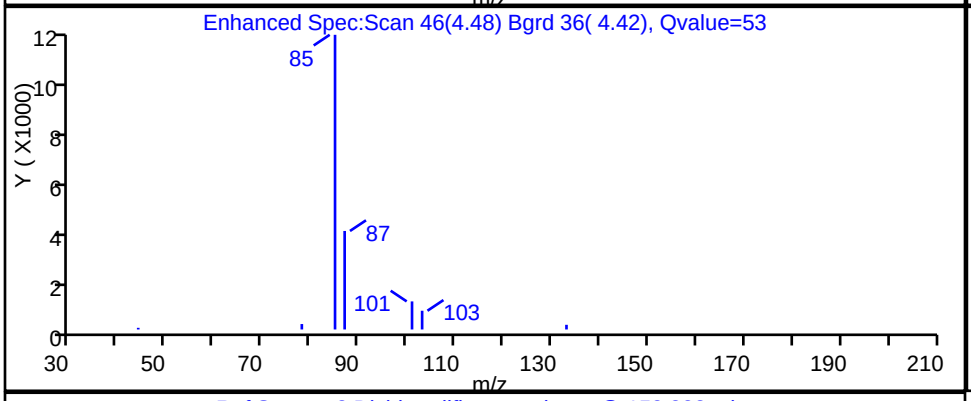
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140731-8801.b\8801_011.d

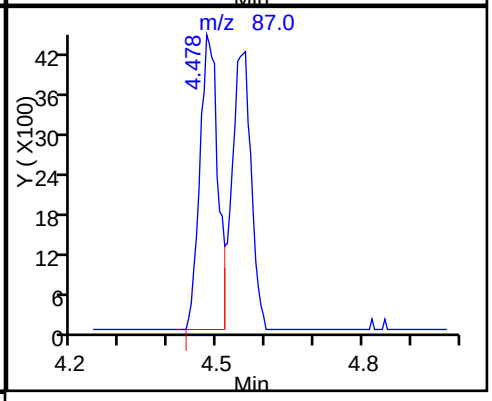
Injection Date:	31-Jul-2014 19:34:30	Instrument ID:	CHW.i		
Lims ID:	280-58003-A-4	Lab Sample ID:	200-58003-4		
Client ID:	776VMP0201KC				
Operator ID:	BPL	ALS Bottle#:	9	Worklist Smp#:	11
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

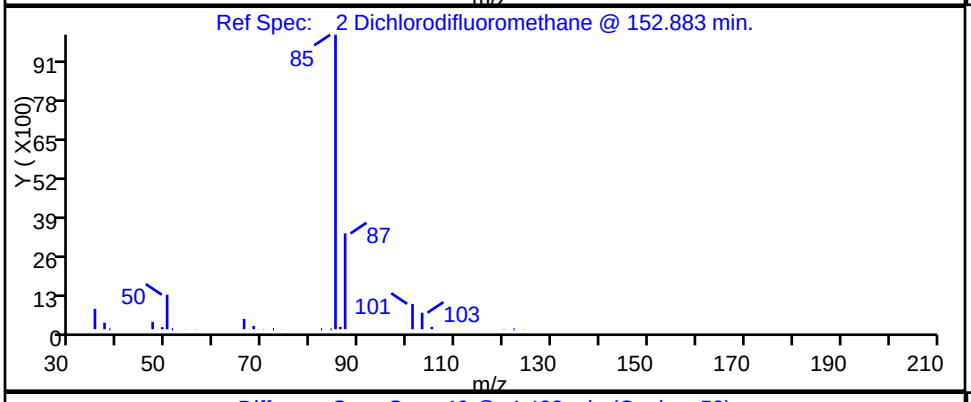
2 Dichlorodifluoromethane, CAS: 75-71-8

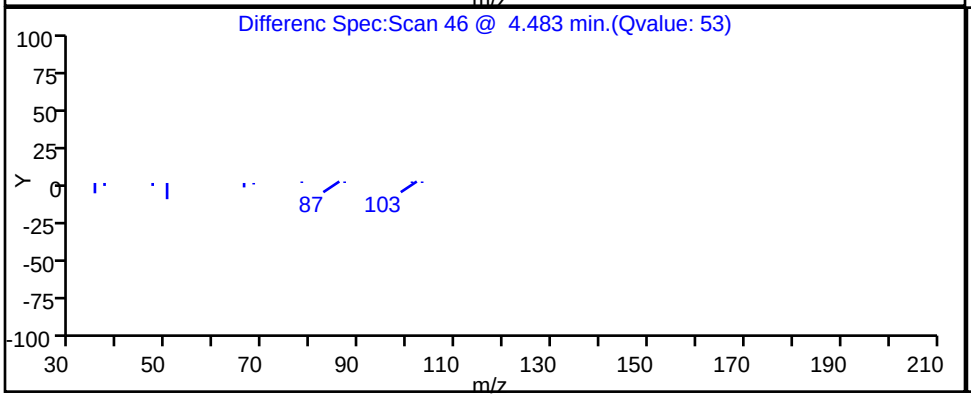


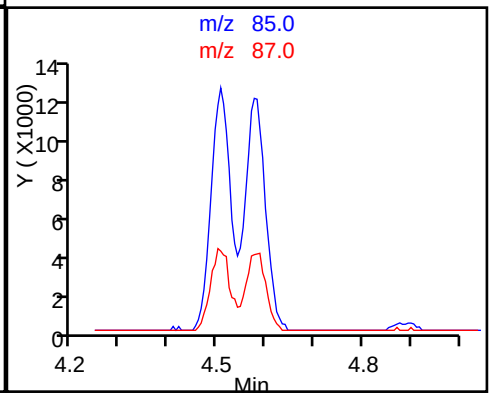












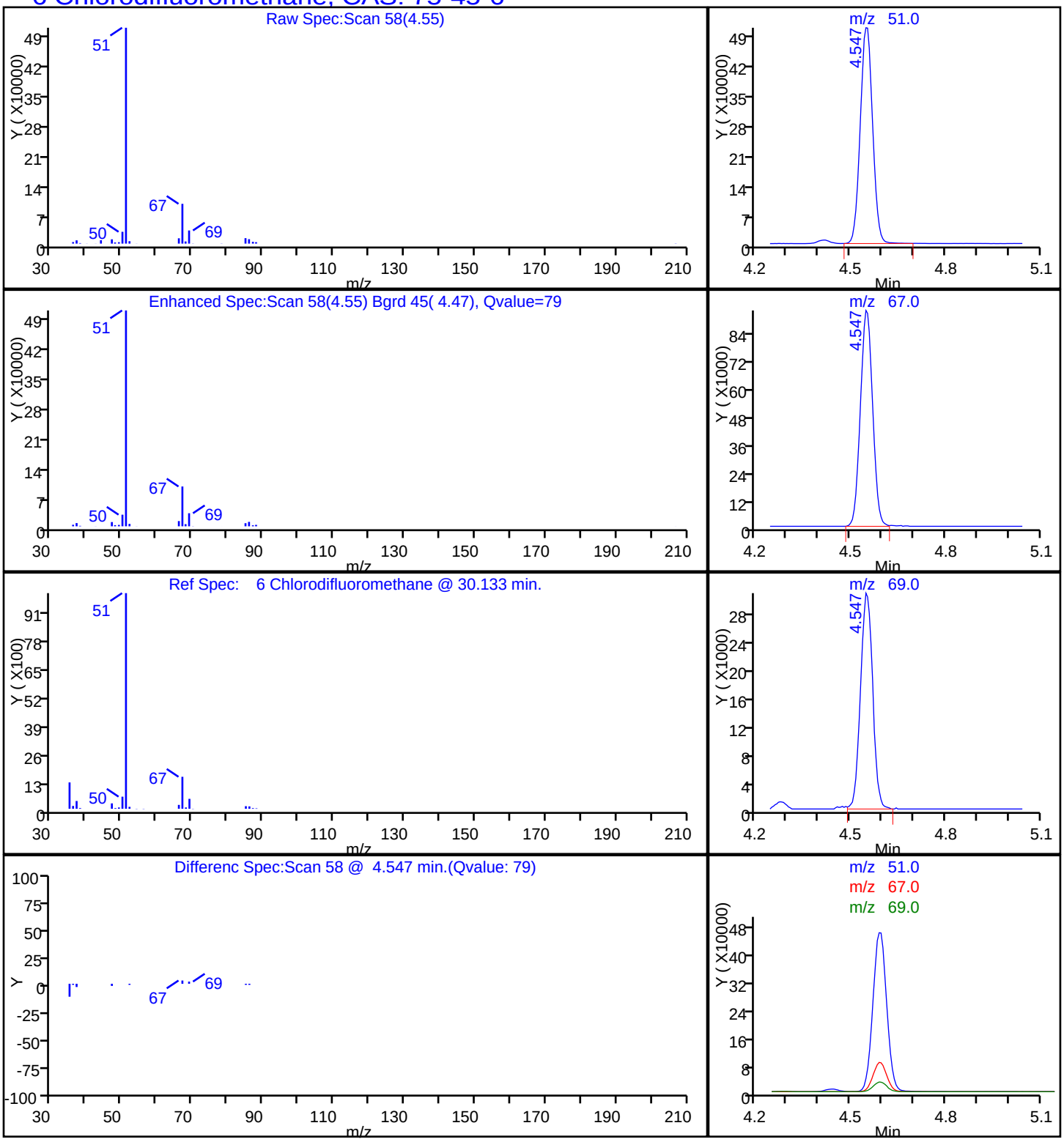
Report Date: 01-Aug-2014 10:24:44 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140731-8801.b\8801_011.d

Injection Date:	31-Jul-2014 19:34:30	Instrument ID:	CHW.i		
Lims ID:	280-58003-A-4	Lab Sample ID:	200-58003-4		
Client ID:	776VMP0201KC				
Operator ID:	BPL	ALS Bottle#:	9	Worklist Smp#:	11
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
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



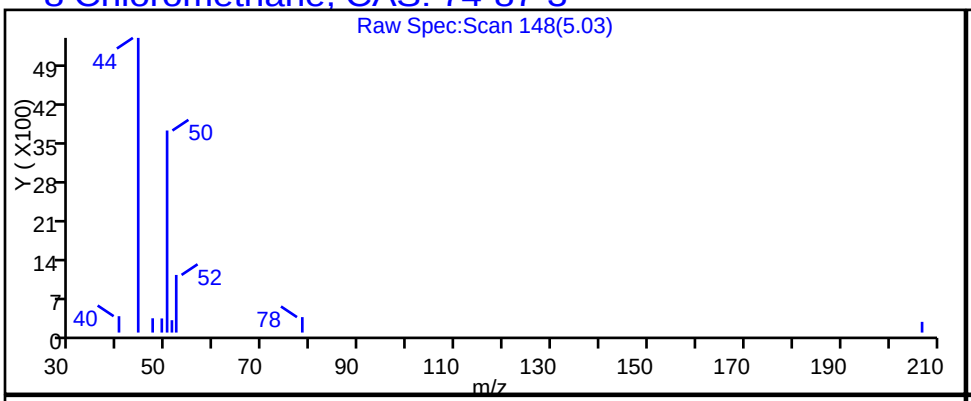
Report Date: 01-Aug-2014 10:24:44 Chrom Revision: 2.2 24-Jun-2014 07:21:42

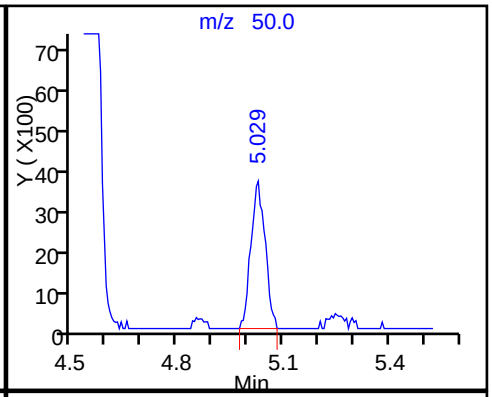
TestAmerica Burlington

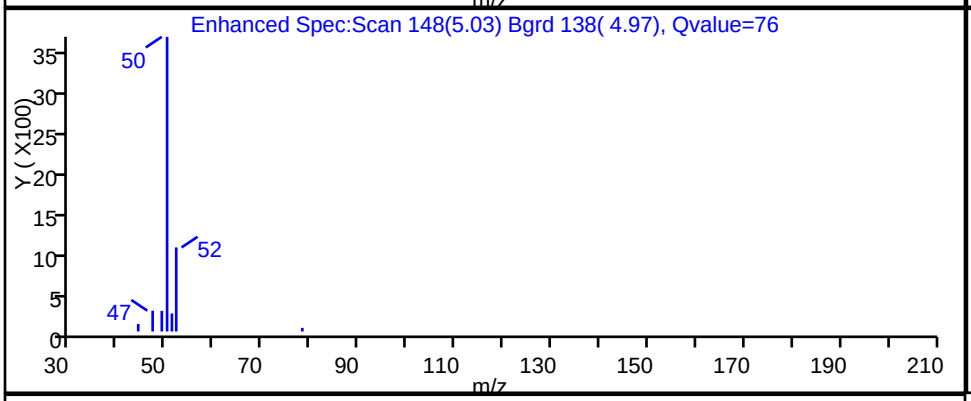
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140731-8801.b\8801_011.d

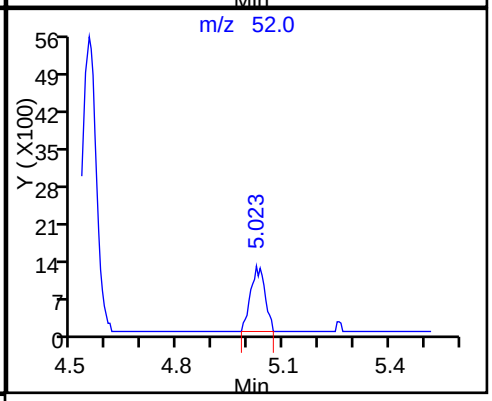
Injection Date:	31-Jul-2014 19:34:30	Instrument ID:	CHW.i		
Lims ID:	280-58003-A-4	Lab Sample ID:	200-58003-4		
Client ID:	776VMP0201KC				
Operator ID:	BPL	ALS Bottle#:	9	Worklist Smp#:	11
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

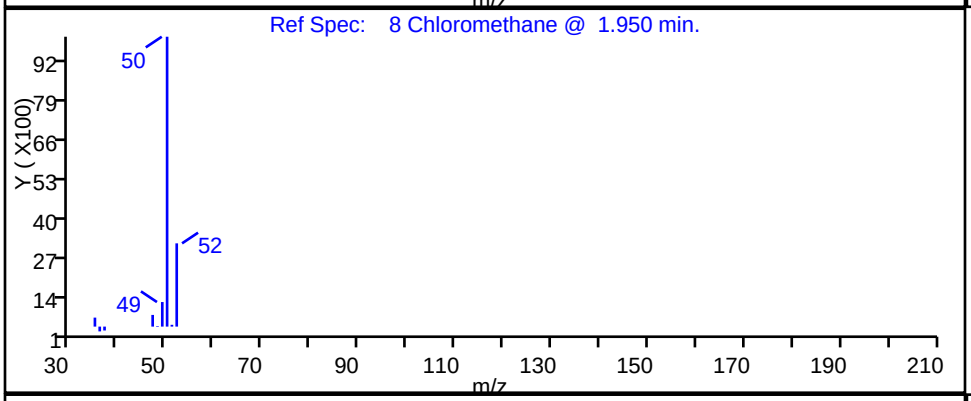
8 Chloromethane, CAS: 74-87-3

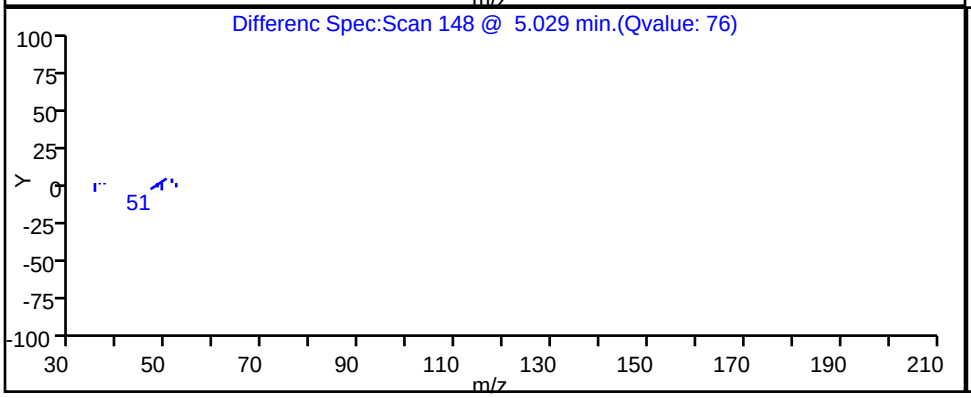


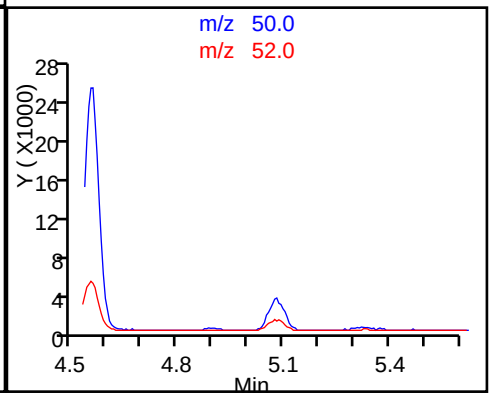












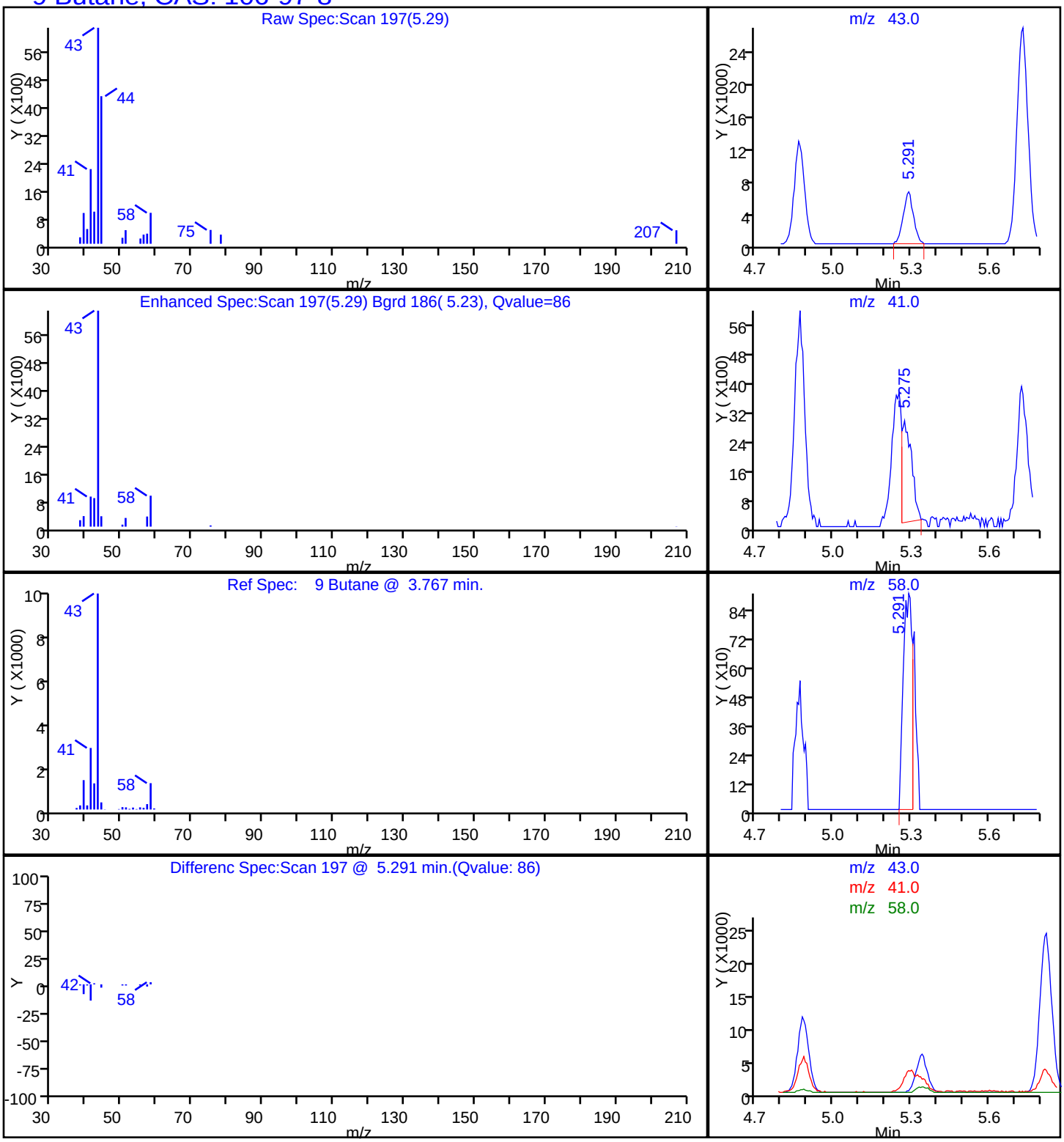
Report Date: 01-Aug-2014 10:24:44 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140731-8801.b\8801_011.d

Injection Date:	31-Jul-2014 19:34:30	Instrument ID:	CHW.i		
Lims ID:	280-58003-A-4	Lab Sample ID:	200-58003-4		
Client ID:	776VMP0201KC				
Operator ID:	BPL	ALS Bottle#:	9	Worklist Smp#:	11
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
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



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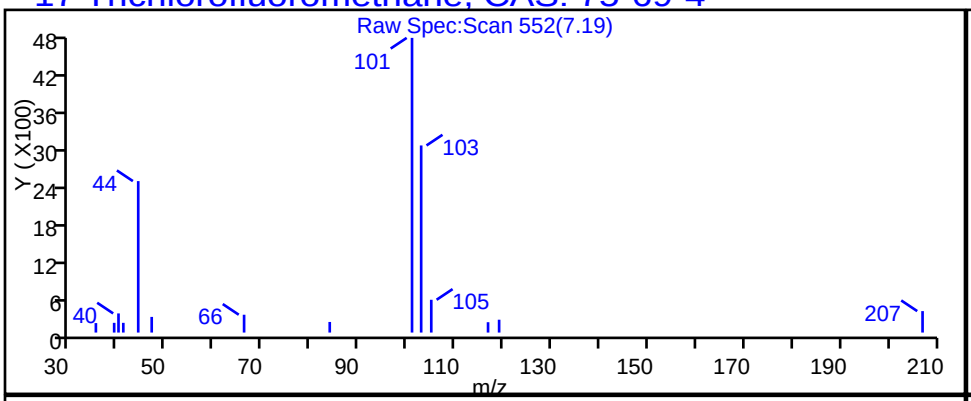
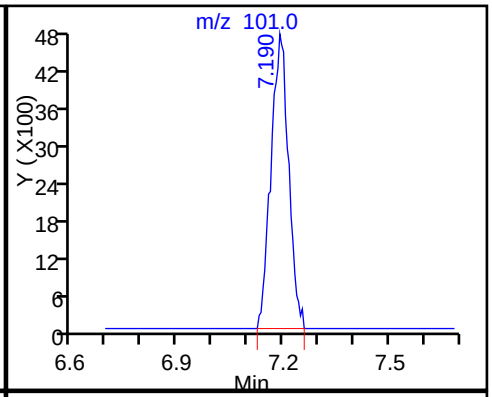
TestAmerica Burlington

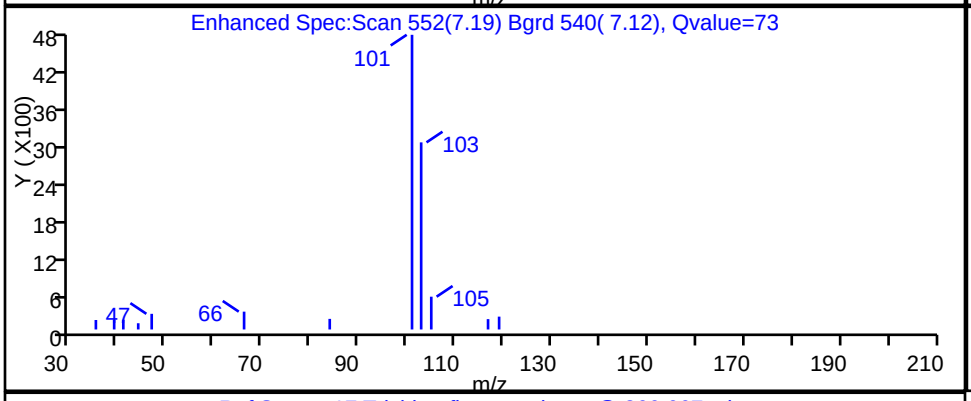
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140731-8801.b\8801_011.d

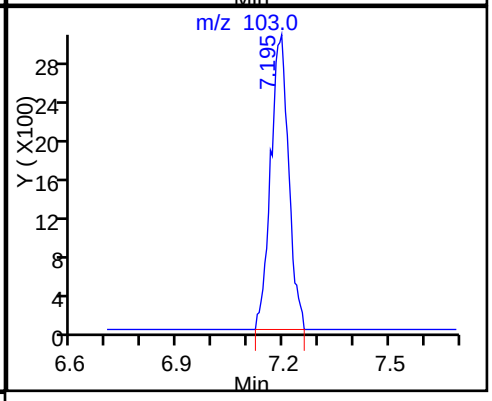
Injection Date:	31-Jul-2014 19:34:30	Instrument ID:	CHW.i		
Lims ID:	280-58003-A-4	Lab Sample ID:	200-58003-4		
Client ID:	776VMP0201KC				
Operator ID:	BPL	ALS Bottle#:	9	Worklist Smp#:	11
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

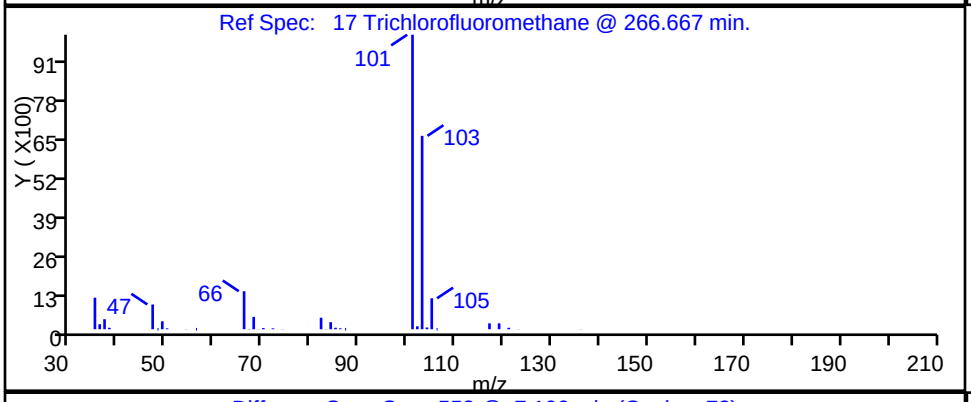
17 Trichlorofluoromethane, CAS: 75-69-4

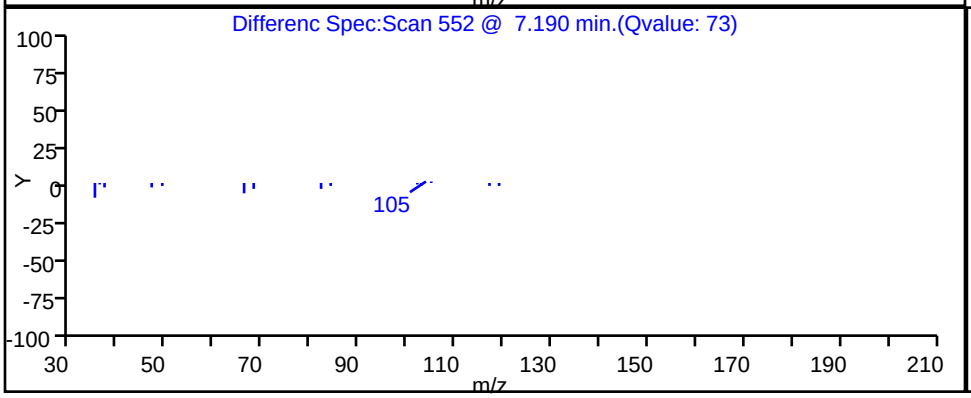


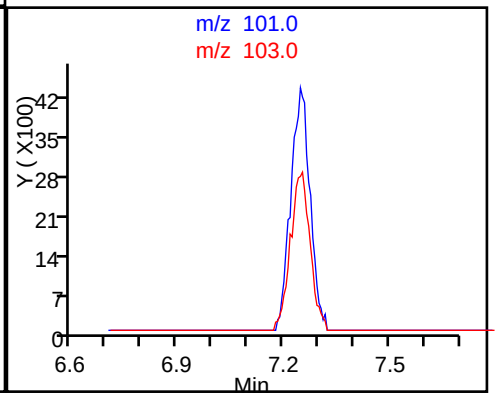












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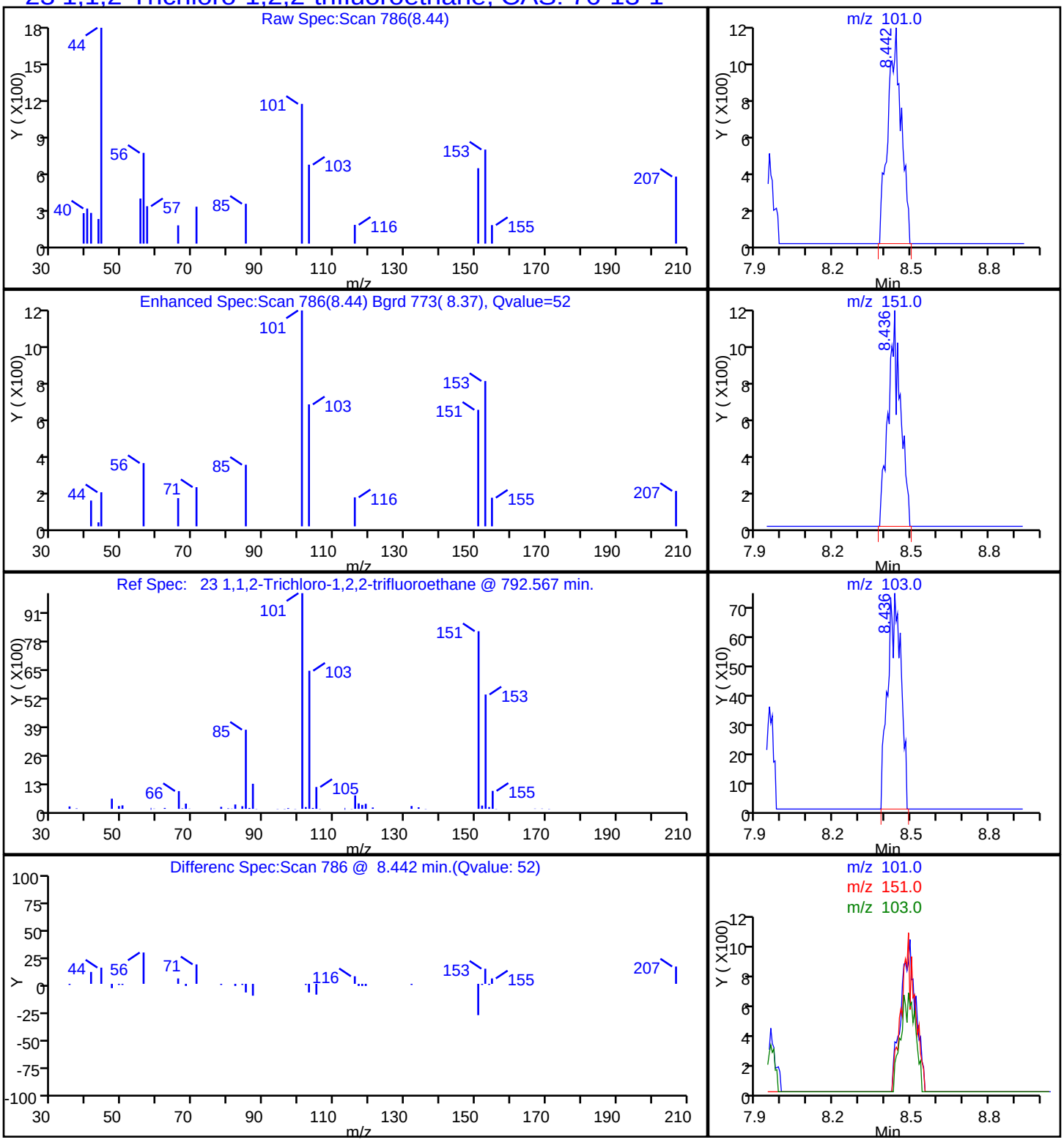
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140731-8801.b\8801_011.d

Injection Date:	31-Jul-2014 19:34:30	Instrument ID:	CHW.i		
Lims ID:	280-58003-A-4	Lab Sample ID:	200-58003-4		
Client ID:	776VMP0201KC				
Operator ID:	BPL	ALS Bottle#:	9	Worklist Smp#:	11
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
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



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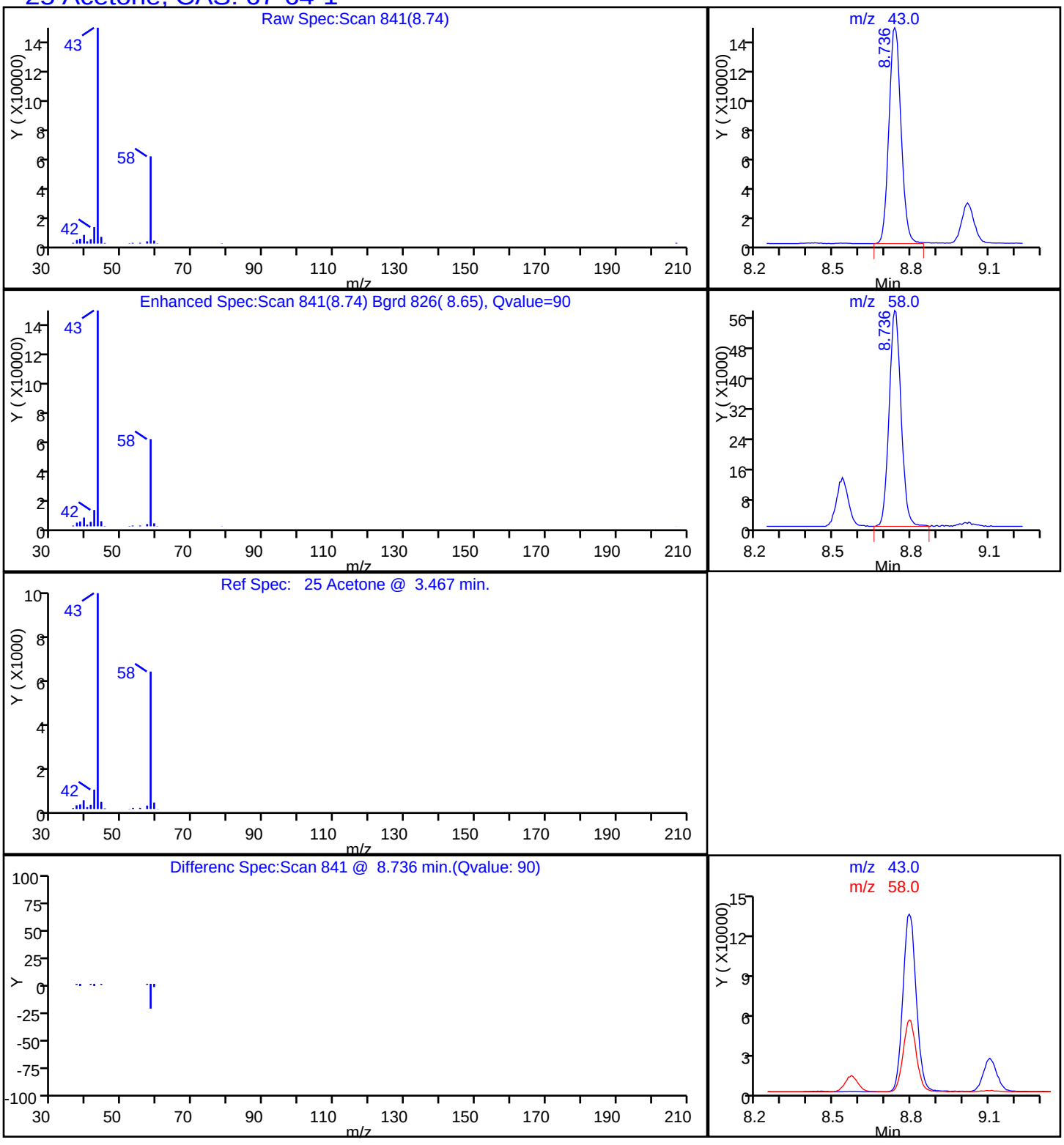
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140731-8801.b\8801_011.d

Injection Date:	31-Jul-2014 19:34:30	Instrument ID:	CHW.i
Lims ID:	280-58003-A-4	Lab Sample ID:	200-58003-4
Client ID:	776VMP0201KC		
Operator ID:	BPL	ALS Bottle#:	9 Worklist Smp#: 11
Purge Vol:	200.000 mL	Dil. Factor:	2.0000
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



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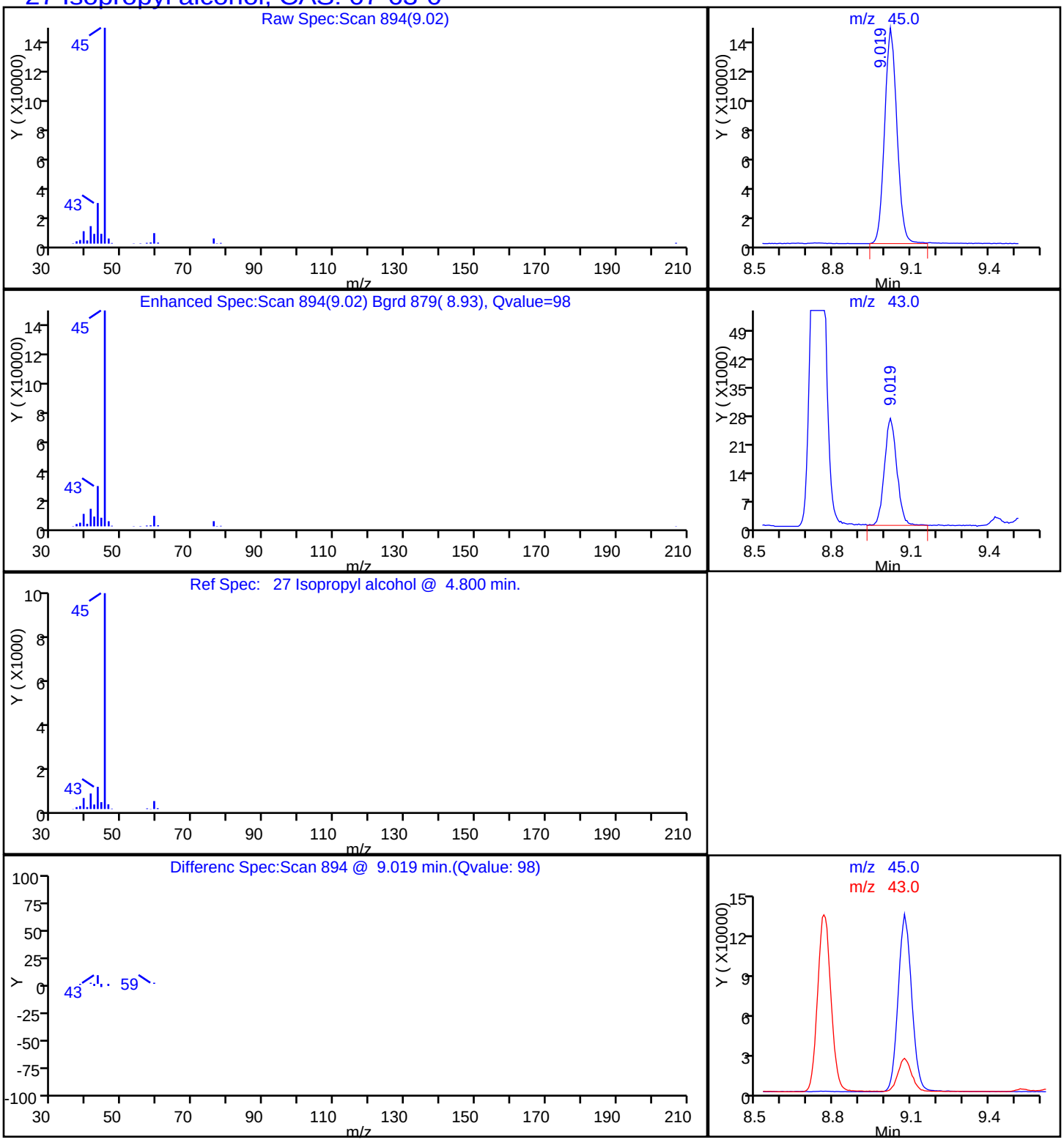
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140731-8801.b\8801_011.d

Injection Date:	31-Jul-2014 19:34:30	Instrument ID:	CHW.i		
Lims ID:	280-58003-A-4	Lab Sample ID:	200-58003-4		
Client ID:	776VMP0201KC				
Operator ID:	BPL	ALS Bottle#:	9	Worklist Smp#:	11
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
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



Report Date: 01-Aug-2014 10:24:44 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

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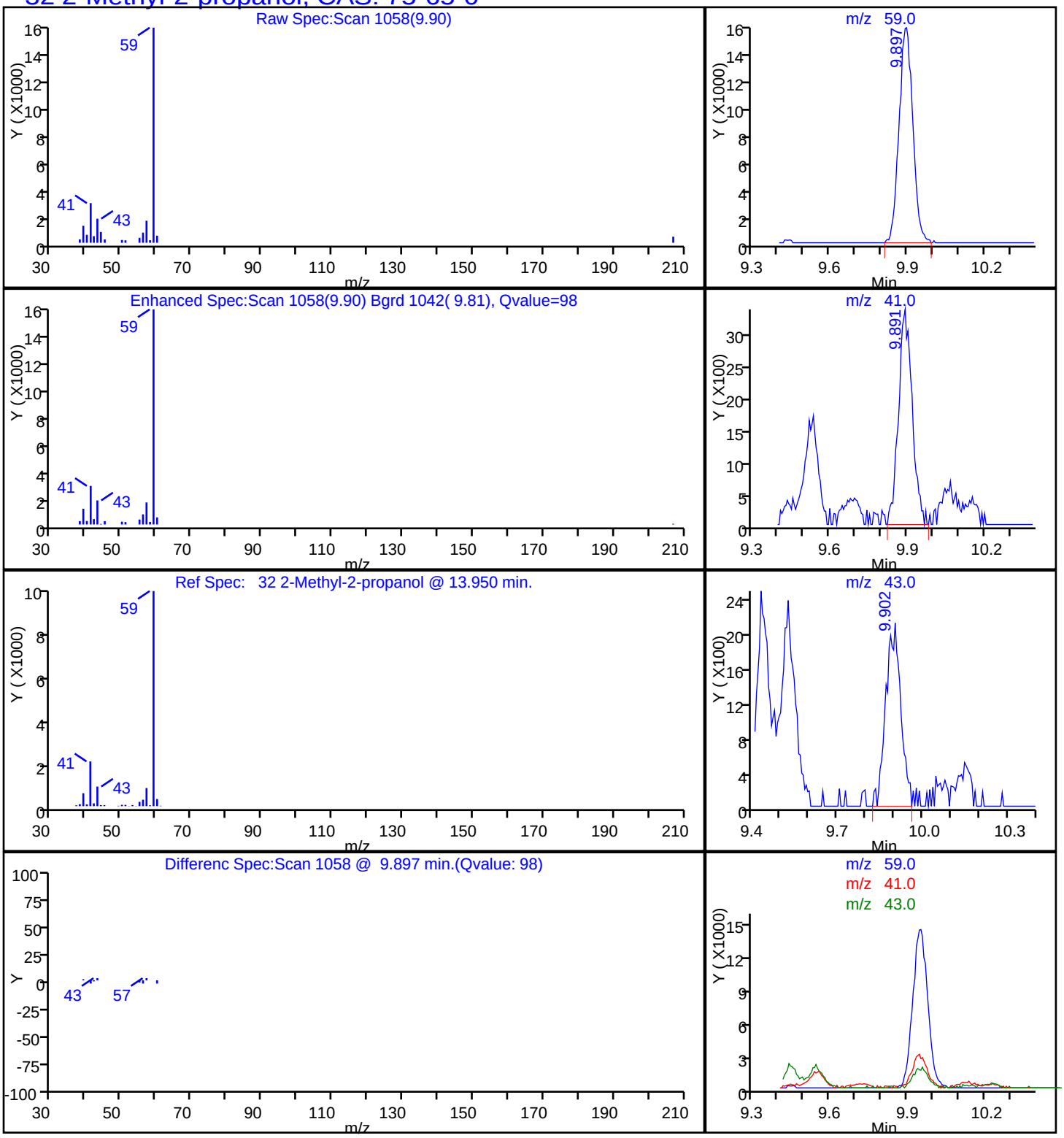
Injection Date:	31-Jul-2014 19:34:30	Instrument ID:	CHW.i		
Lims ID:	280-58003-A-4	Lab Sample ID:	200-58003-4		
Client ID:	776VMP0201KC				
Operator ID:	BPL	ALS Bottle#:	9	Worklist Smp#:	11
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

32 2-Methyl-2-propanol, CAS: 75-65-0



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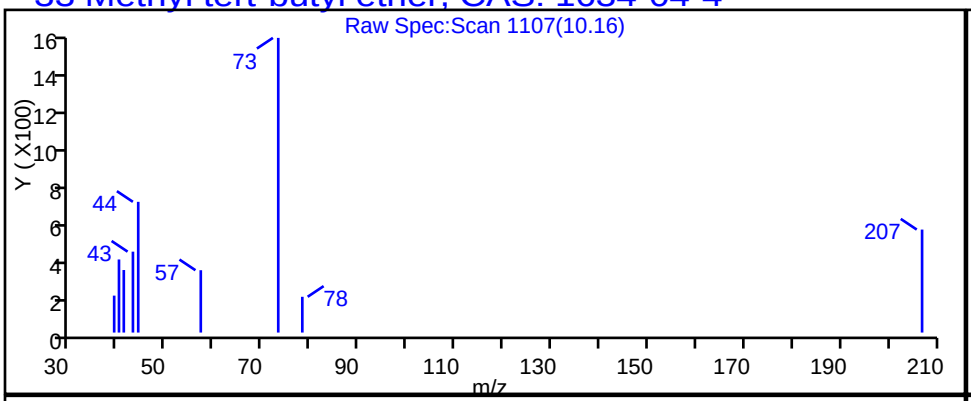
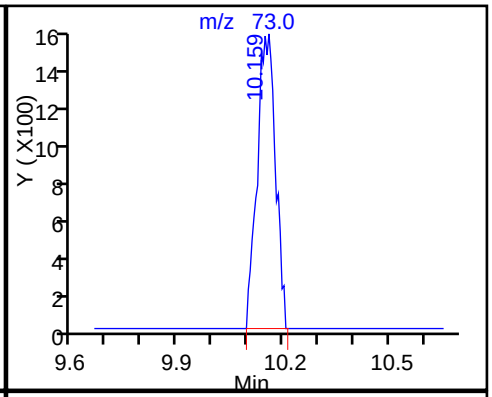
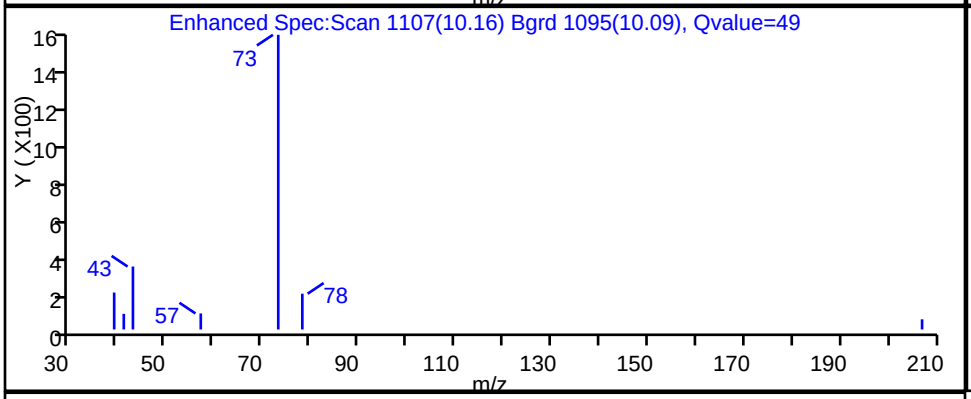
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140731-8801.b\8801_011.d

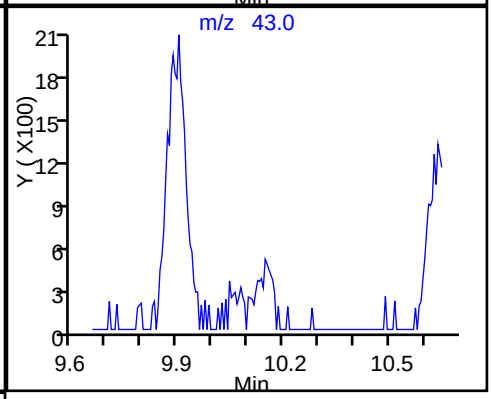
Injection Date:	31-Jul-2014 19:34:30	Instrument ID:	CHW.i		
Lims ID:	280-58003-A-4	Lab Sample ID:	200-58003-4		
Client ID:	776VMP0201KC				
Operator ID:	BPL	ALS Bottle#:	9	Worklist Smp#:	11
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

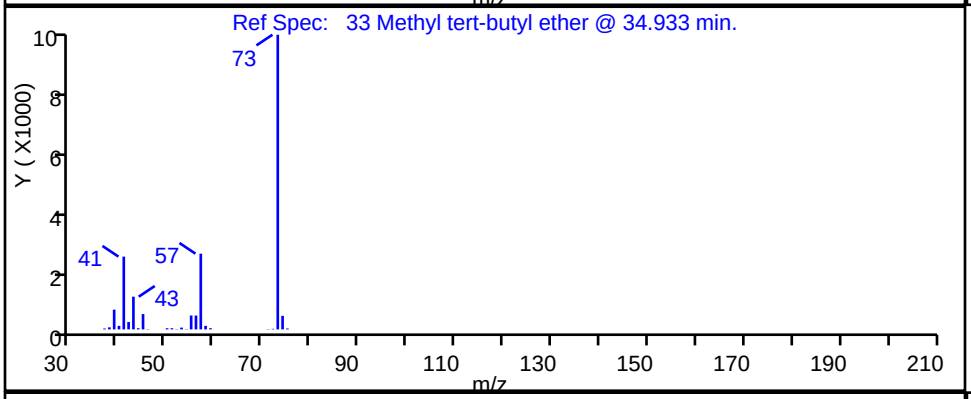
33 Methyl tert-butyl ether, CAS: 1634-04-4

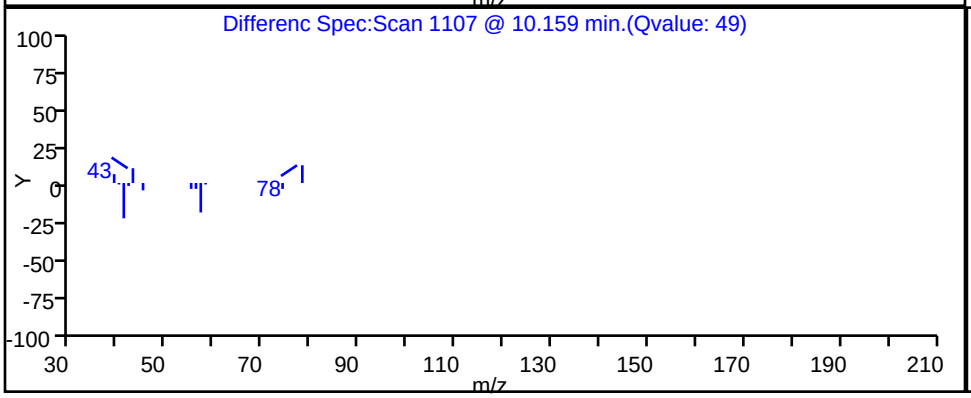


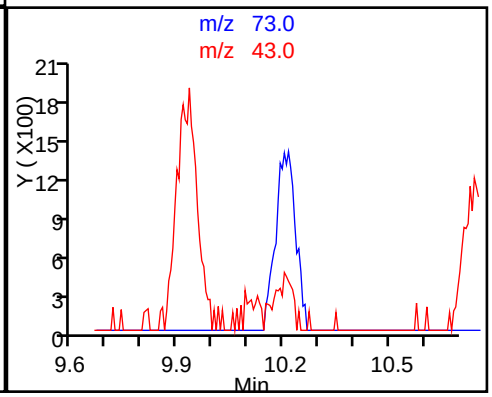












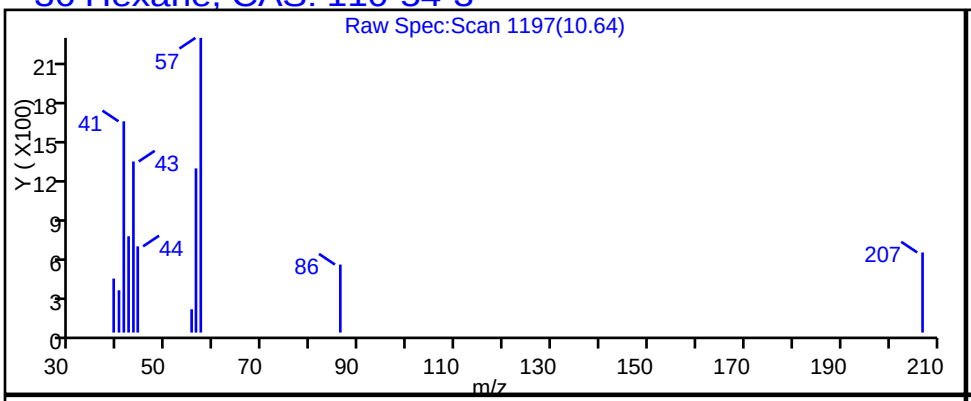
Report Date: 01-Aug-2014 10:24:44 Chrom Revision: 2.2 24-Jun-2014 07:21:42

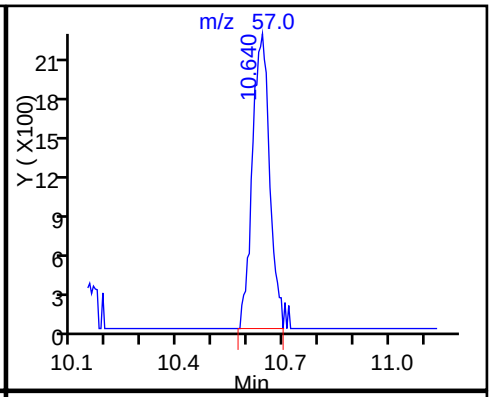
TestAmerica Burlington

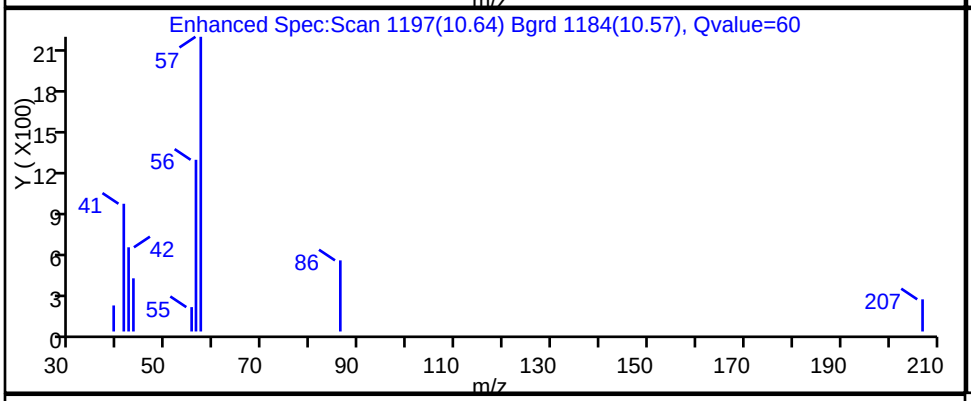
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140731-8801.b\8801_011.d

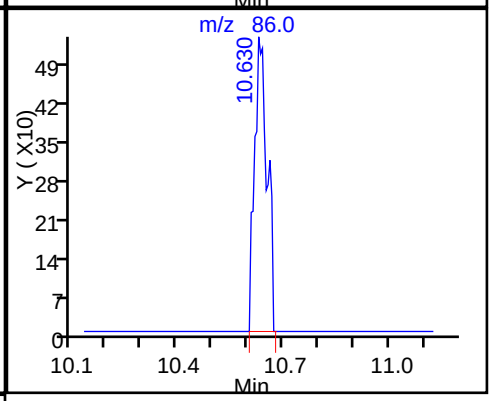
Injection Date:	31-Jul-2014 19:34:30	Instrument ID:	CHW.i		
Lims ID:	280-58003-A-4	Lab Sample ID:	200-58003-4		
Client ID:	776VMP0201KC				
Operator ID:	BPL	ALS Bottle#:	9	Worklist Smp#:	11
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

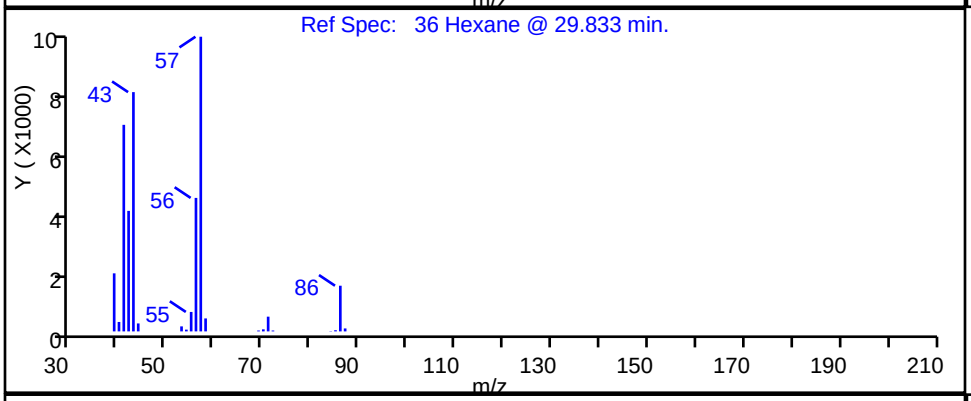
36 Hexane, CAS: 110-54-3

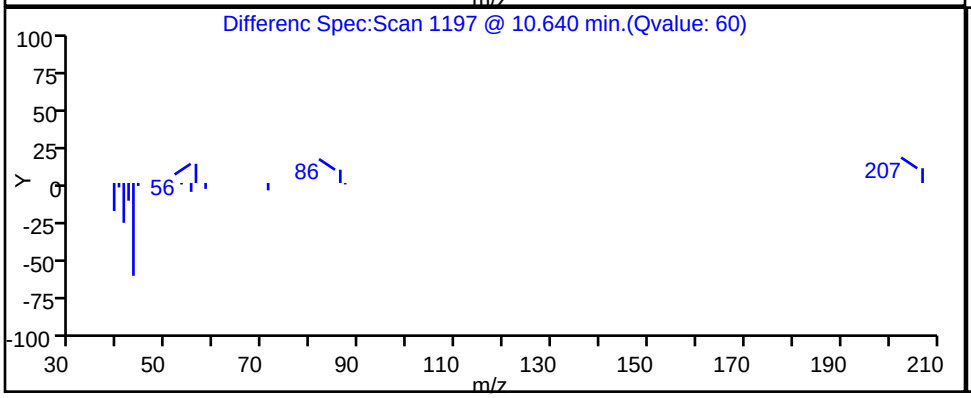


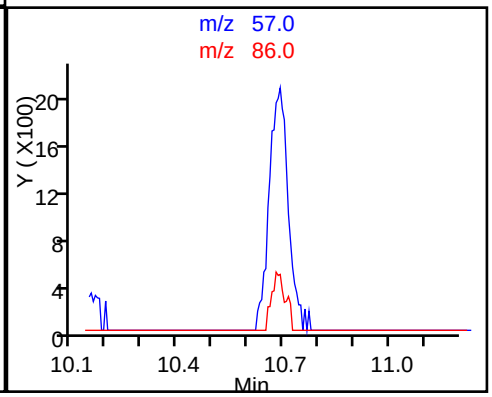












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Injection Date:	31-Jul-2014 19:34:30	Instrument ID:	CHW.i		
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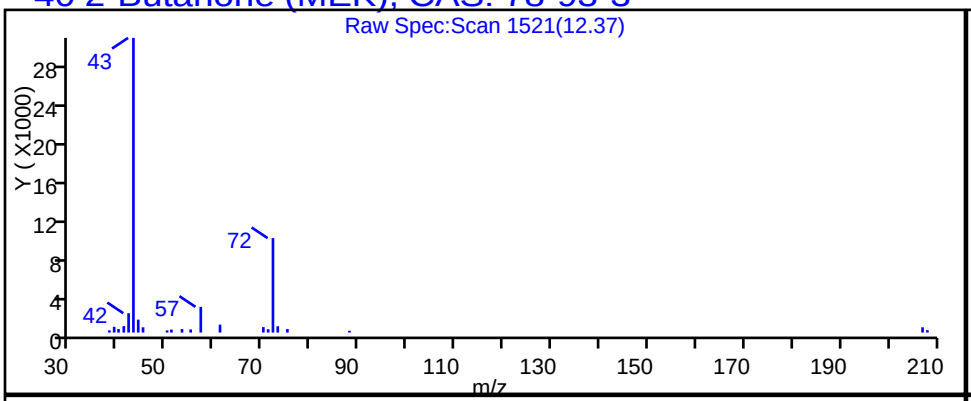
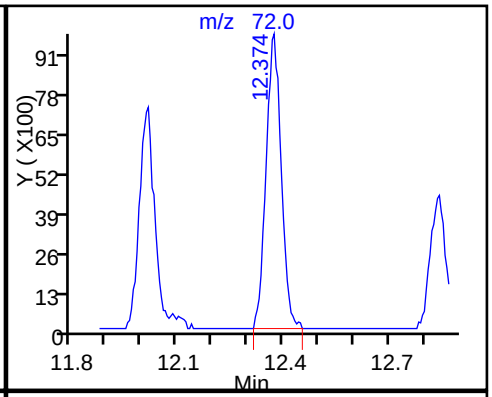
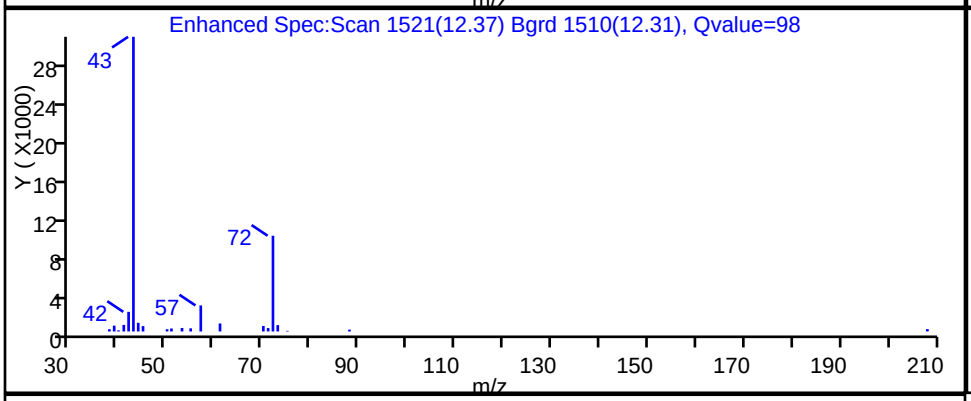
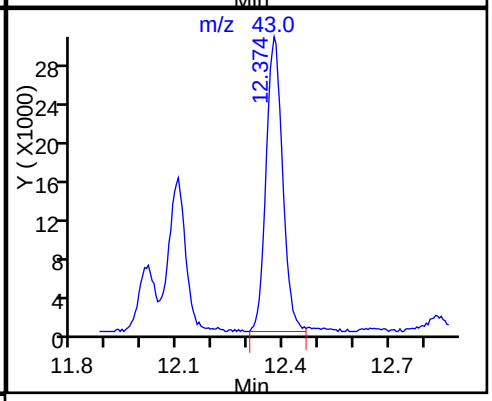
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

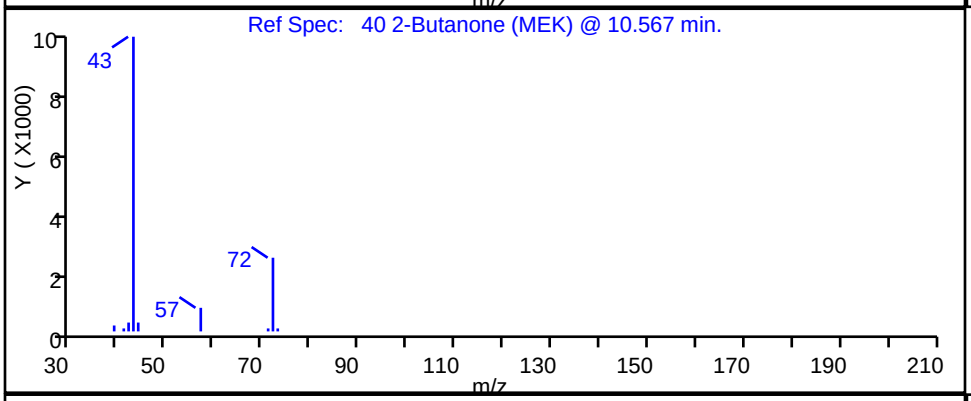
40 2-Butanone (MEK), CAS: 78-93-3

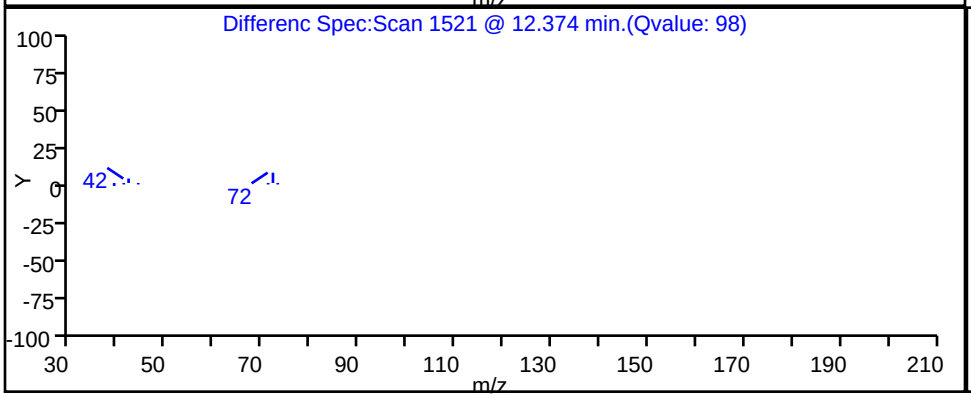


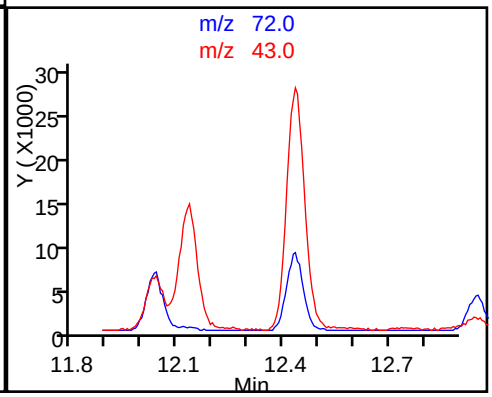












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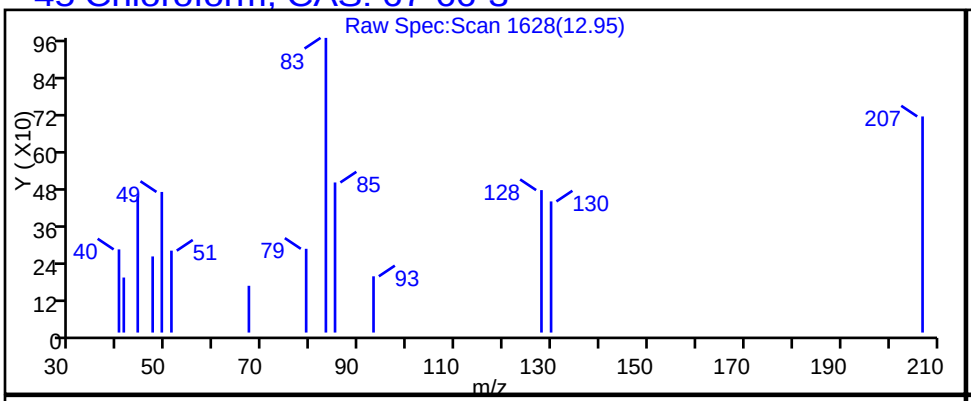
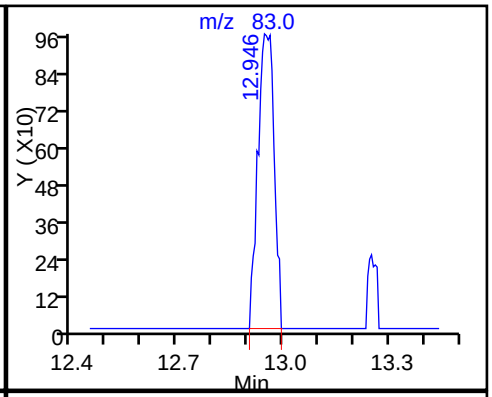
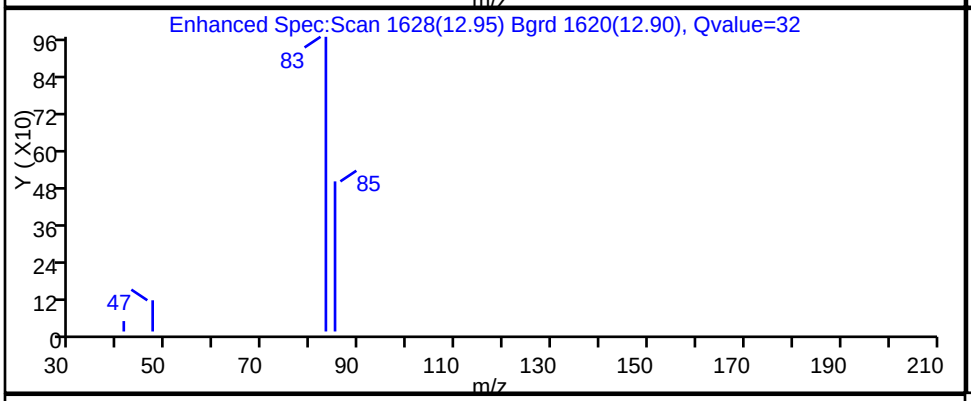
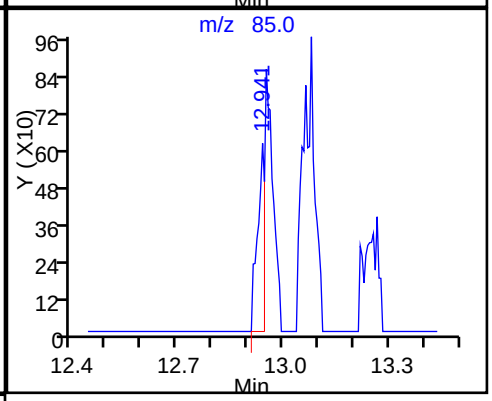
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

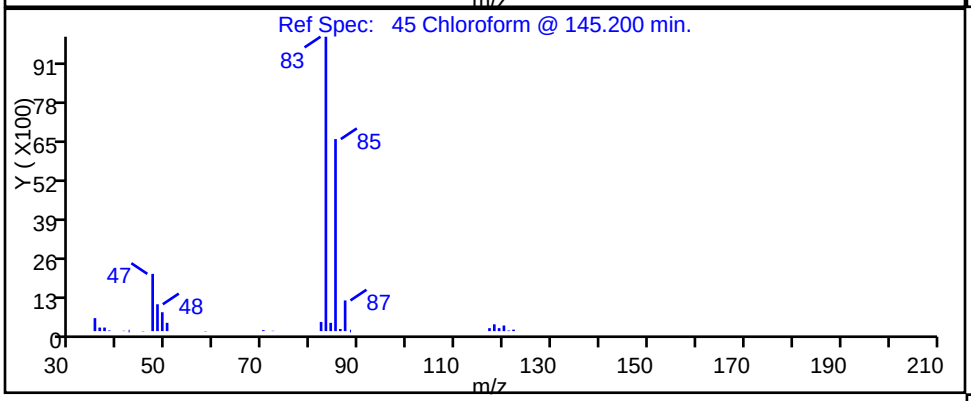
45 Chloroform, CAS: 67-66-3

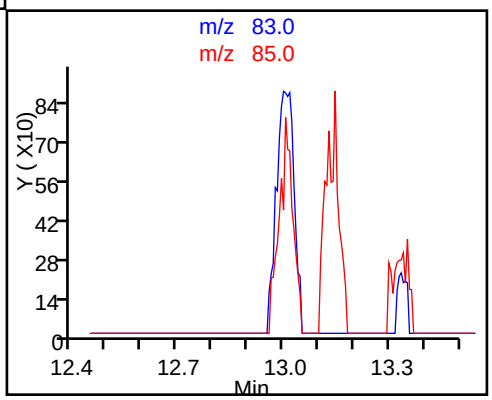












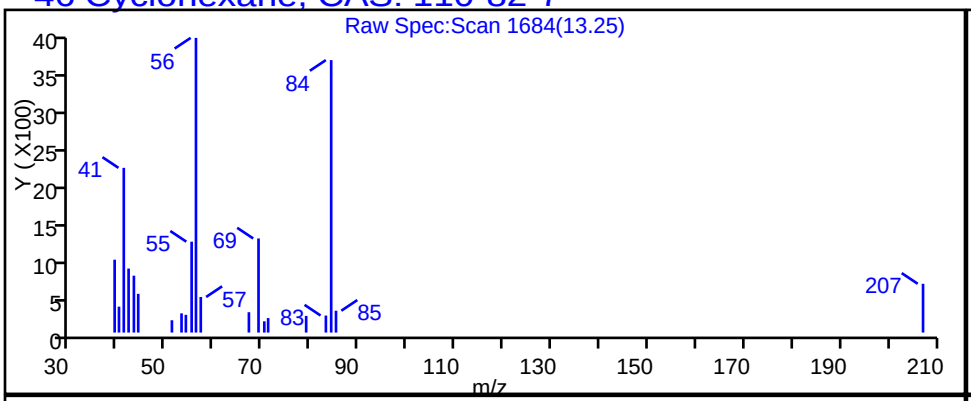
Report Date: 01-Aug-2014 10:24:44 Chrom Revision: 2.2 24-Jun-2014 07:21:42

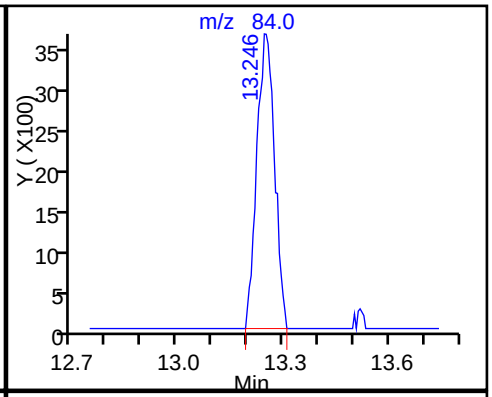
TestAmerica Burlington

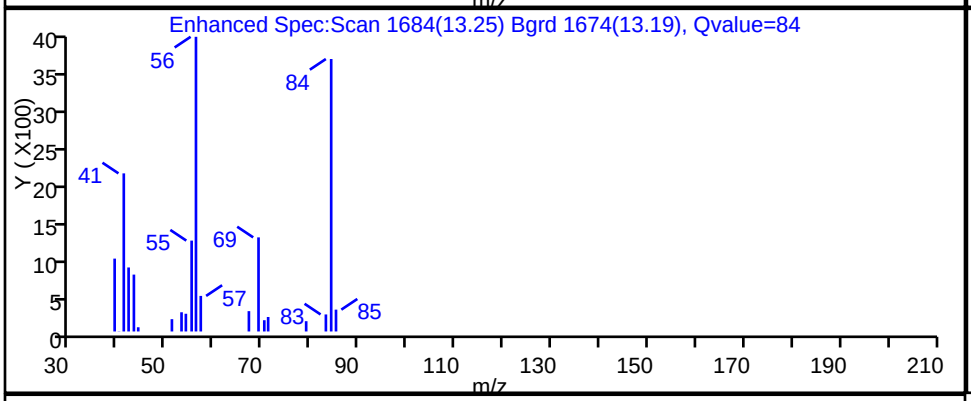
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140731-8801.b\8801_011.d

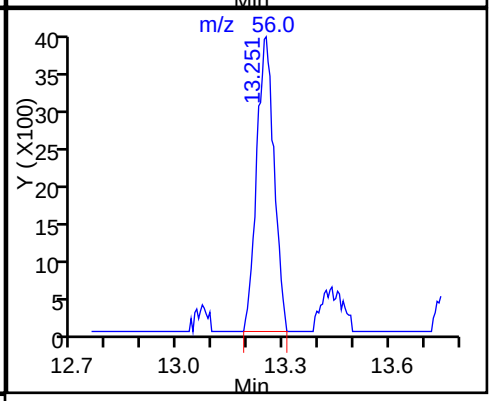
Injection Date:	31-Jul-2014 19:34:30	Instrument ID:	CHW.i		
Lims ID:	280-58003-A-4	Lab Sample ID:	200-58003-4		
Client ID:	776VMP0201KC				
Operator ID:	BPL	ALS Bottle#:	9	Worklist Smp#:	11
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

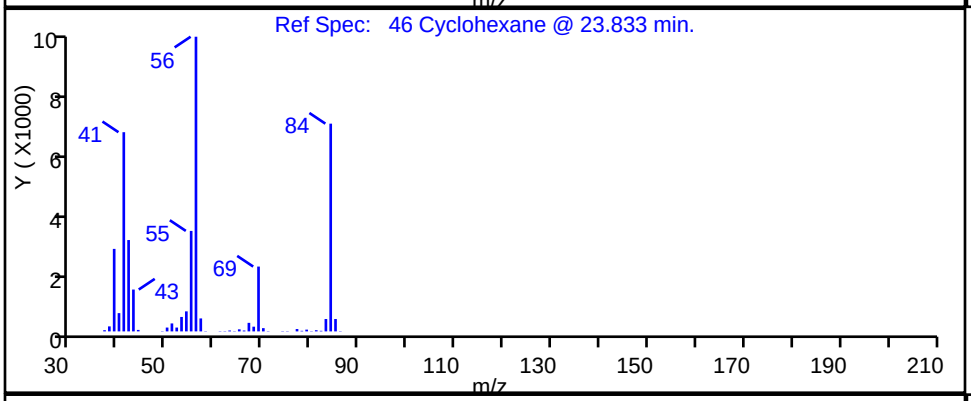
46 Cyclohexane, CAS: 110-82-7

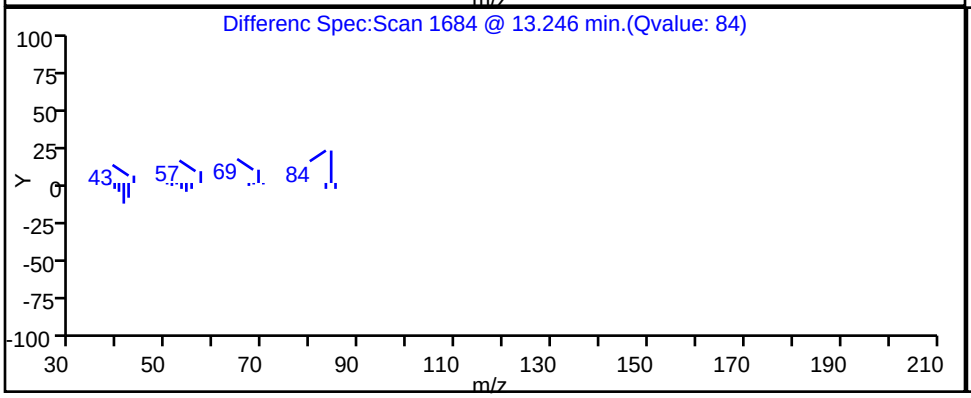


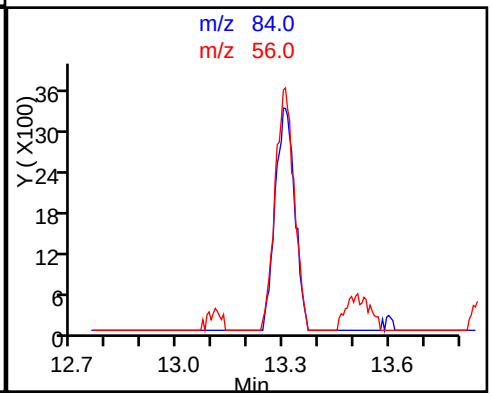












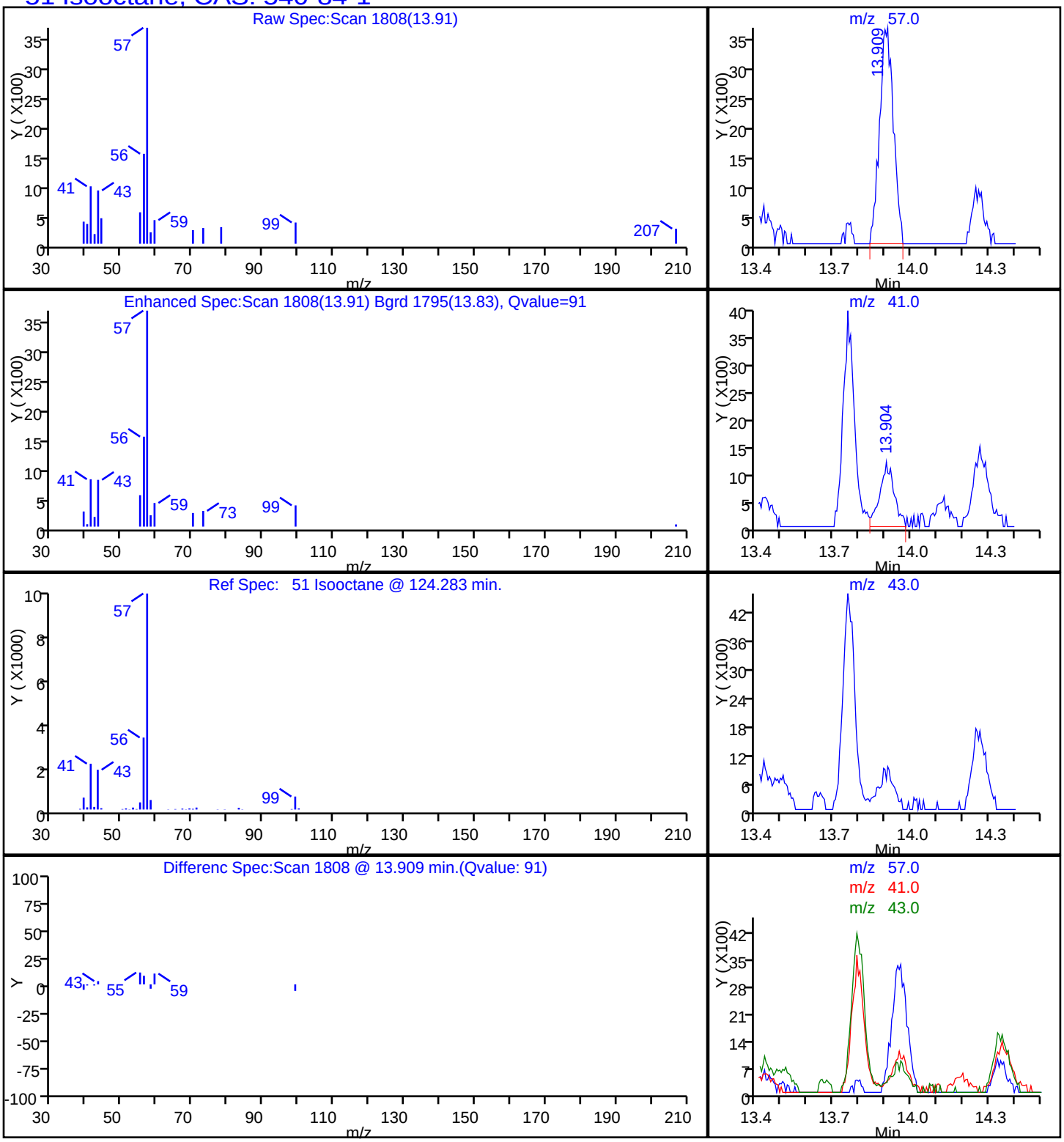
Report Date: 01-Aug-2014 10:24:44 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140731-8801.b\8801_011.d

Injection Date:	31-Jul-2014 19:34:30	Instrument ID:	CHW.i		
Lims ID:	280-58003-A-4	Lab Sample ID:	200-58003-4		
Client ID:	776VMP0201KC				
Operator ID:	BPL	ALS Bottle#:	9	Worklist Smp#:	11
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
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



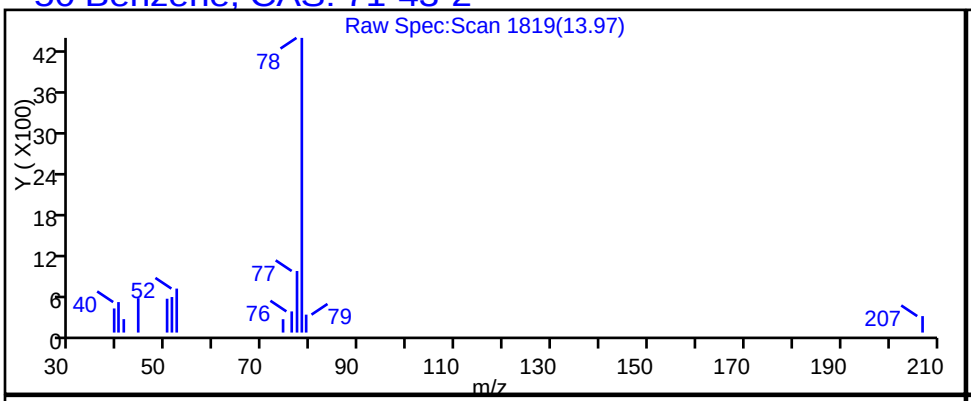
Report Date: 01-Aug-2014 10:24:44 Chrom Revision: 2.2 24-Jun-2014 07:21:42

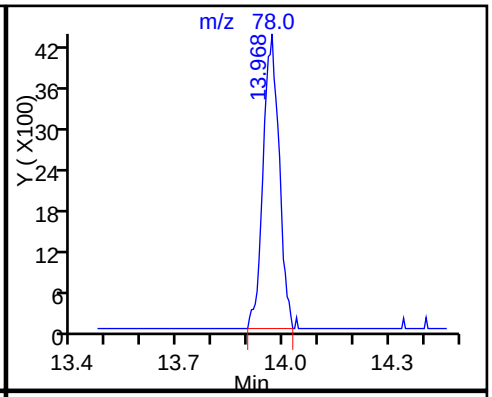
TestAmerica Burlington

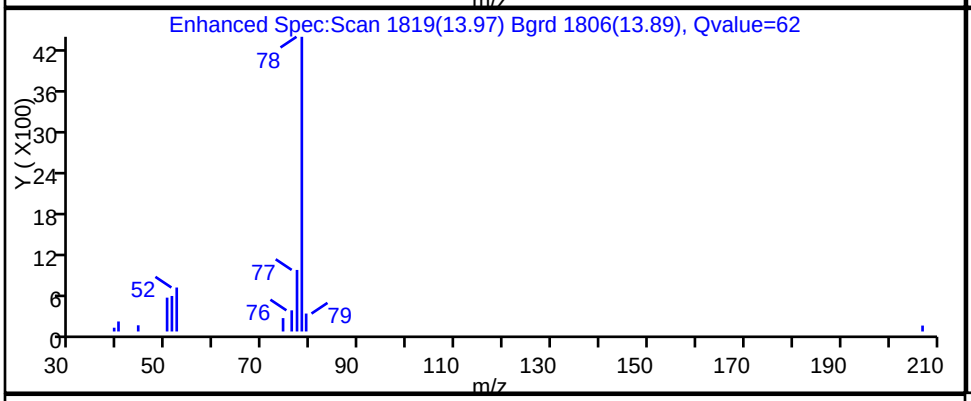
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140731-8801.b\8801_011.d

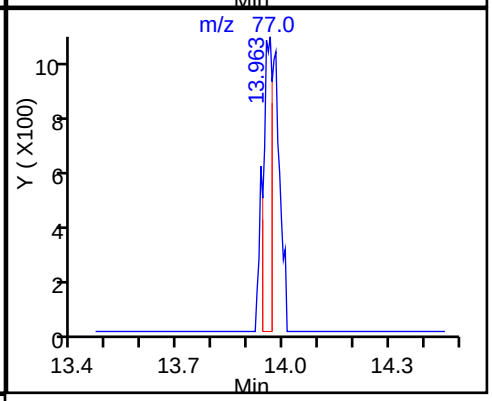
Injection Date:	31-Jul-2014 19:34:30	Instrument ID:	CHW.i		
Lims ID:	280-58003-A-4	Lab Sample ID:	200-58003-4		
Client ID:	776VMP0201KC				
Operator ID:	BPL	ALS Bottle#:	9	Worklist Smp#:	11
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

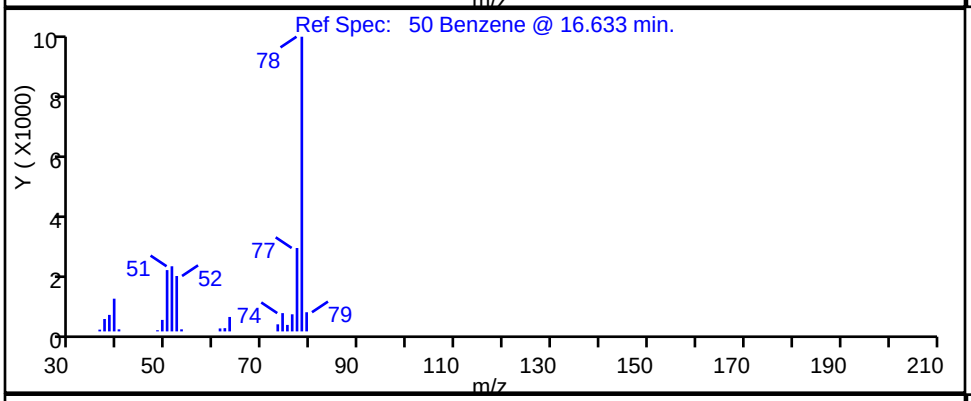
50 Benzene, CAS: 71-43-2

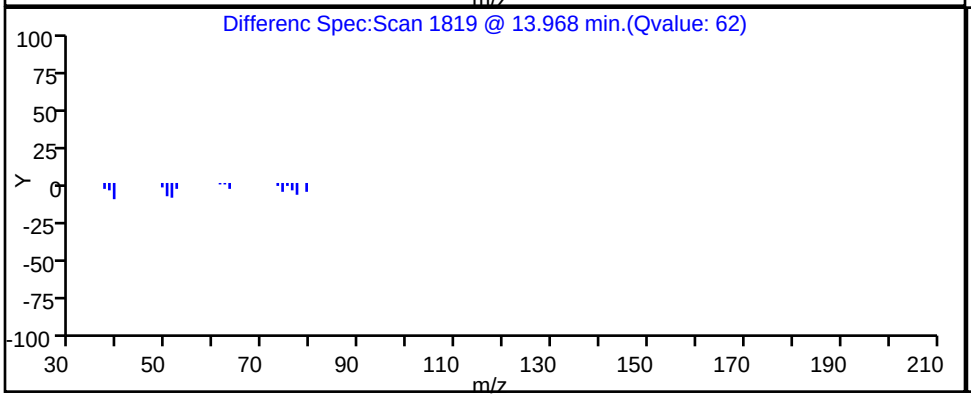


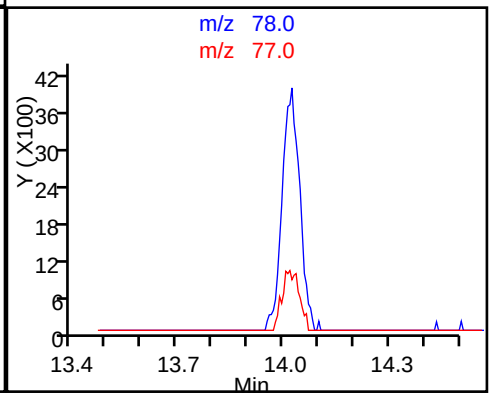












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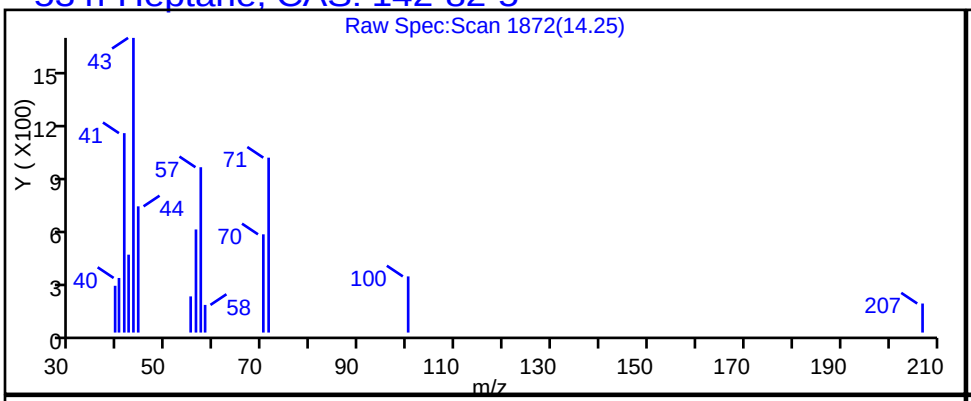
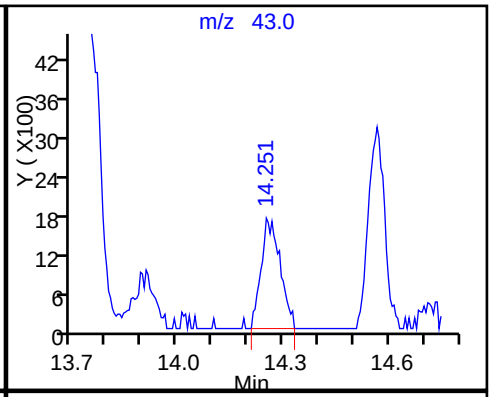
TestAmerica Burlington

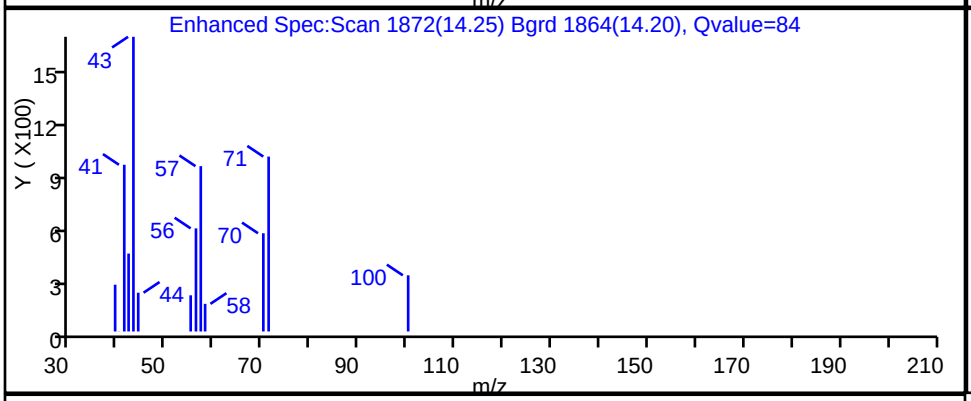
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140731-8801.b\8801_011.d

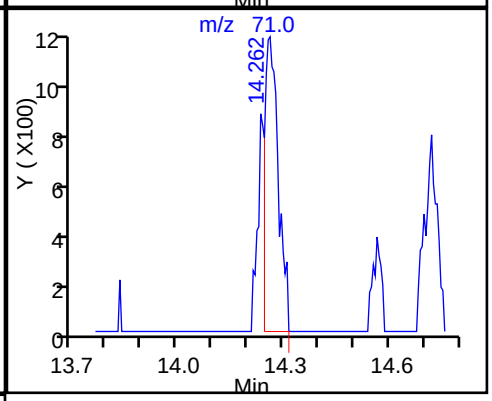
Injection Date:	31-Jul-2014 19:34:30	Instrument ID:	CHW.i		
Lims ID:	280-58003-A-4	Lab Sample ID:	200-58003-4		
Client ID:	776VMP0201KC				
Operator ID:	BPL	ALS Bottle#:	9	Worklist Smp#:	11
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

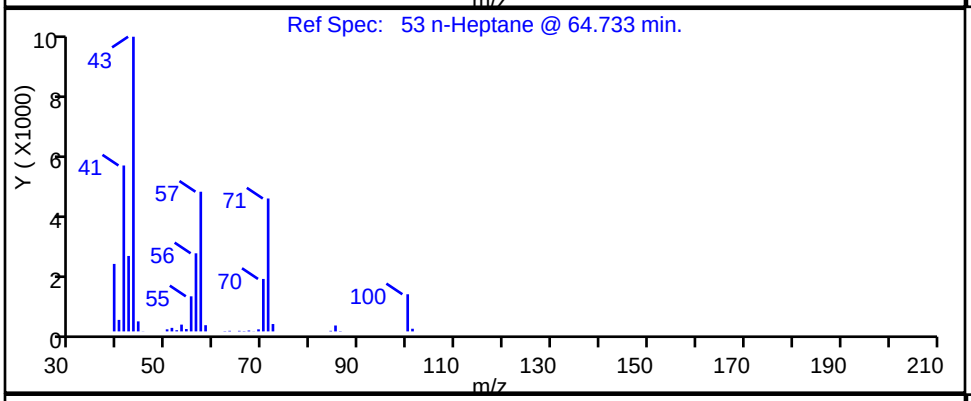
53 n-Heptane, CAS: 142-82-5

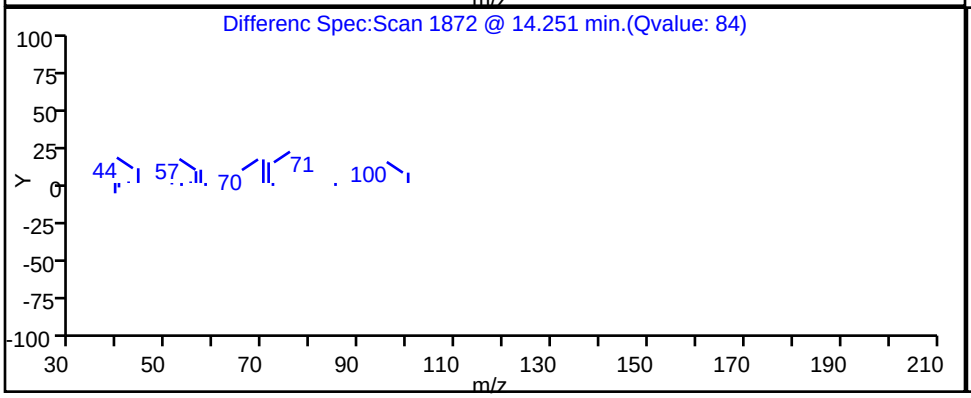


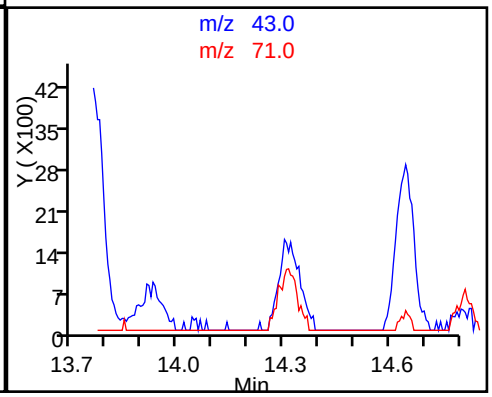












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TestAmerica Burlington

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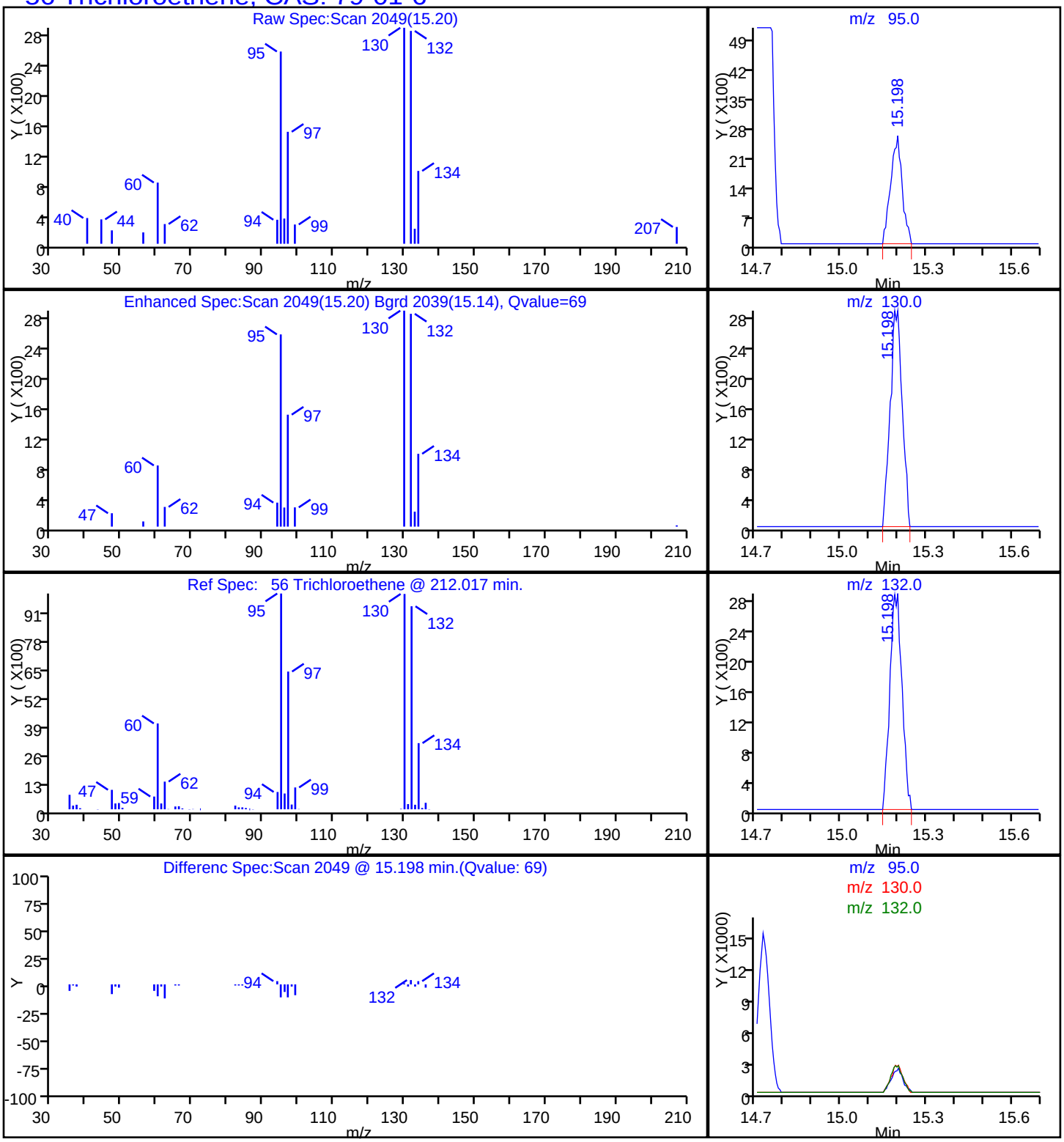
Injection Date:	31-Jul-2014 19:34:30	Instrument ID:	CHW.i		
Lims ID:	280-58003-A-4	Lab Sample ID:	200-58003-4		
Client ID:	776VMP0201KC				
Operator ID:	BPL	ALS Bottle#:	9	Worklist Smp#:	11
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

56 Trichloroethene, CAS: 79-01-6



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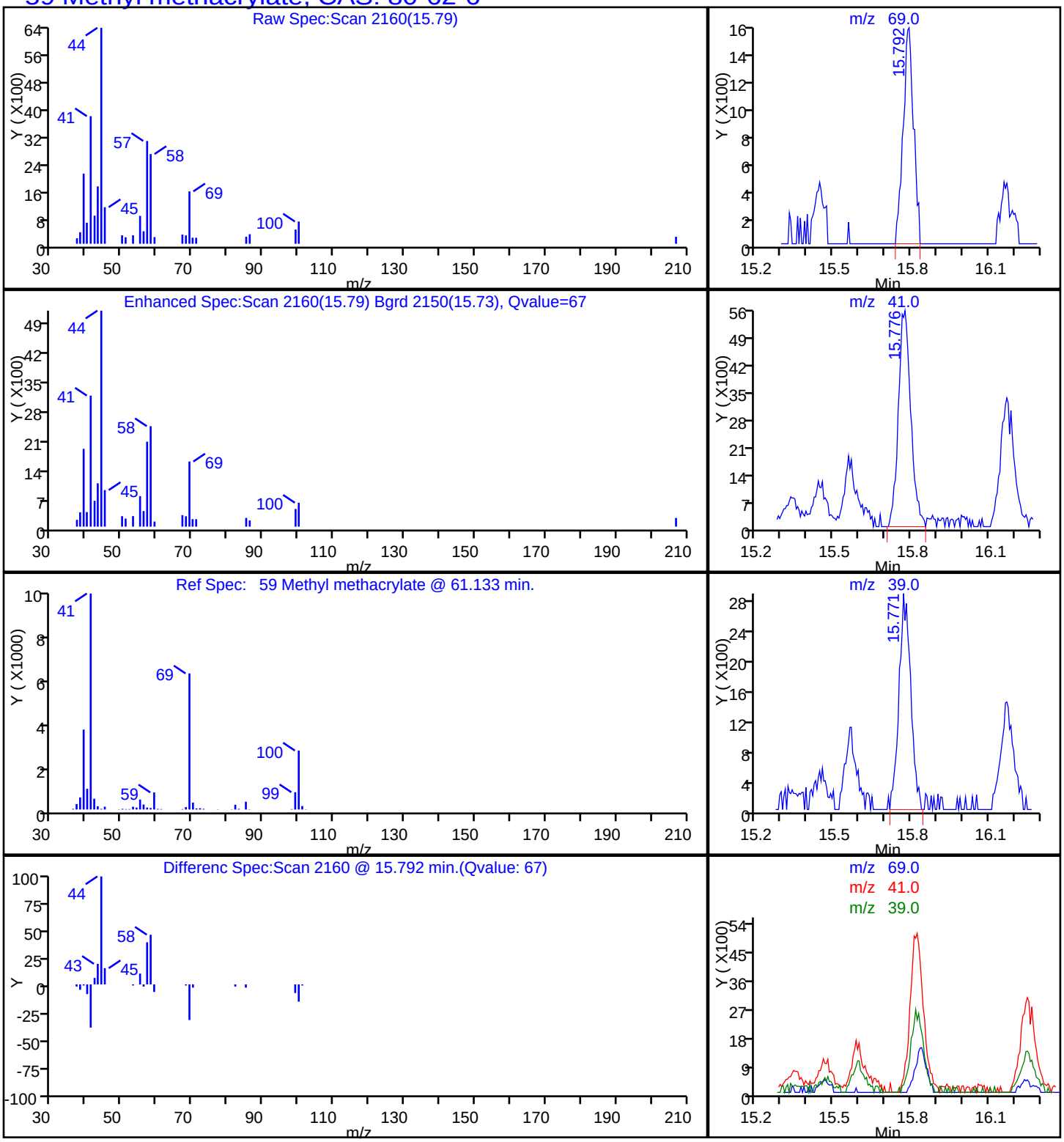
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140731-8801.b\8801_011.d

Injection Date:	31-Jul-2014 19:34:30	Instrument ID:	CHW.i		
Lims ID:	280-58003-A-4	Lab Sample ID:	200-58003-4		
Client ID:	776VMP0201KC				
Operator ID:	BPL	ALS Bottle#:	9	Worklist Smp#:	11
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
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



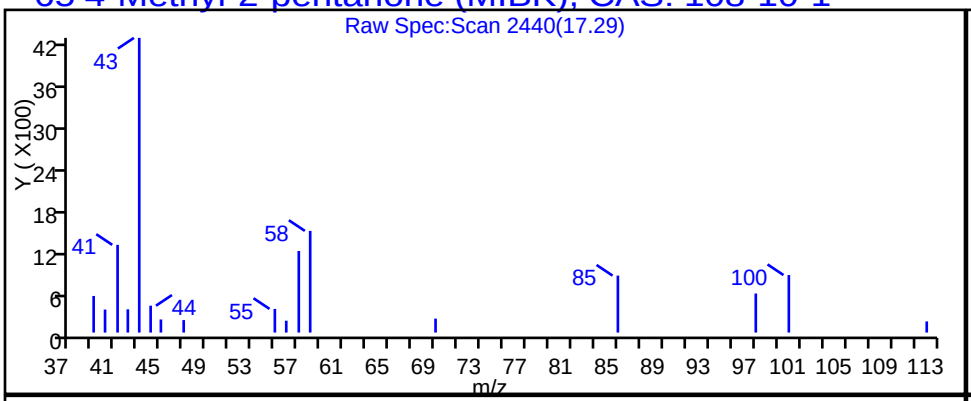
Report Date: 01-Aug-2014 10:24:44 Chrom Revision: 2.2 24-Jun-2014 07:21:42

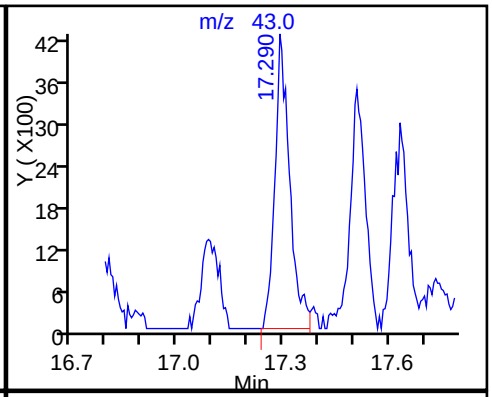
TestAmerica Burlington

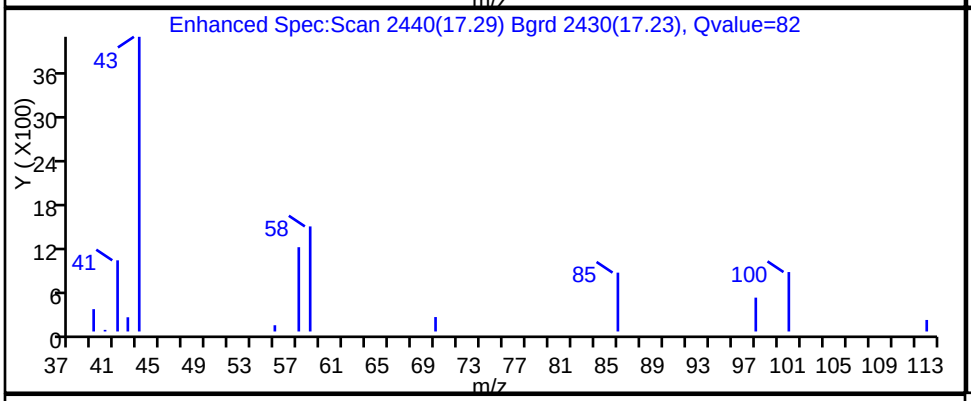
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140731-8801.b\8801_011.d

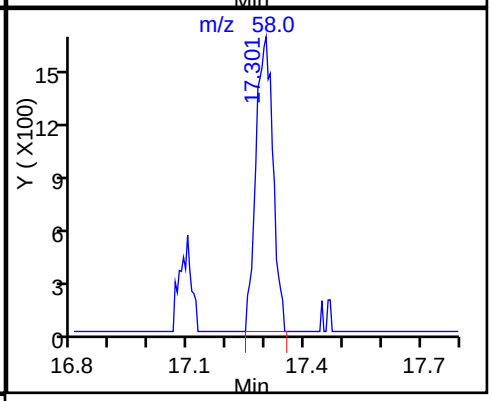
Injection Date:	31-Jul-2014 19:34:30	Instrument ID:	CHW.i		
Lims ID:	280-58003-A-4	Lab Sample ID:	200-58003-4		
Client ID:	776VMP0201KC				
Operator ID:	BPL	ALS Bottle#:	9	Worklist Smp#:	11
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

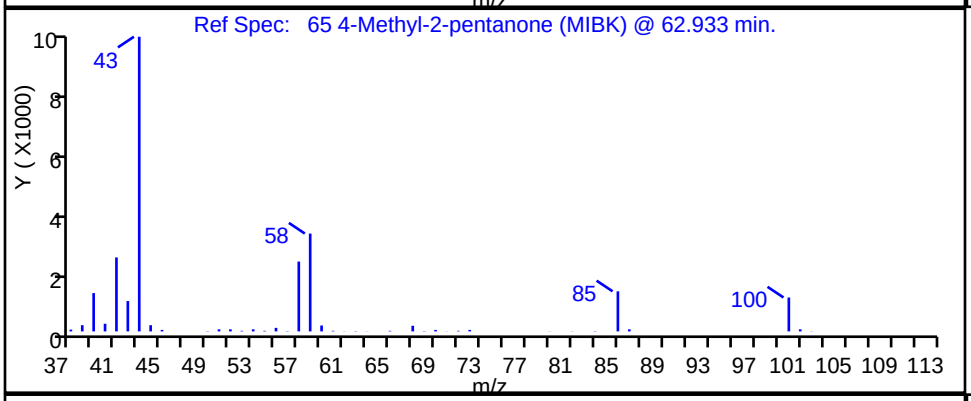
65 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

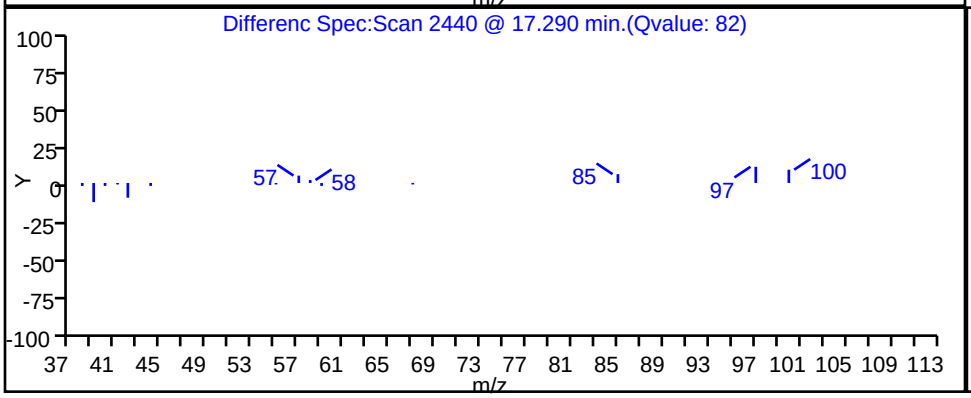


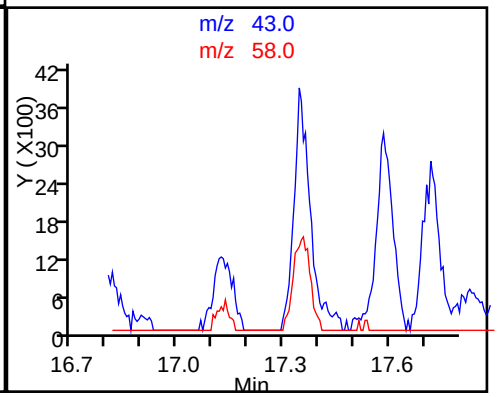












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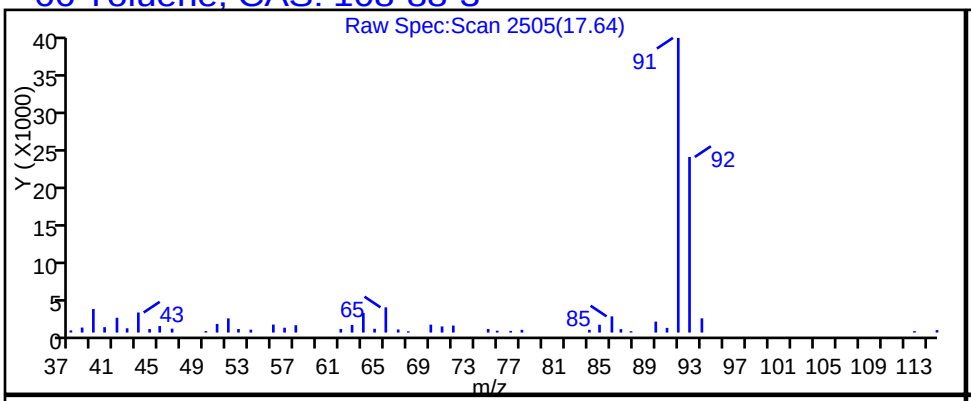
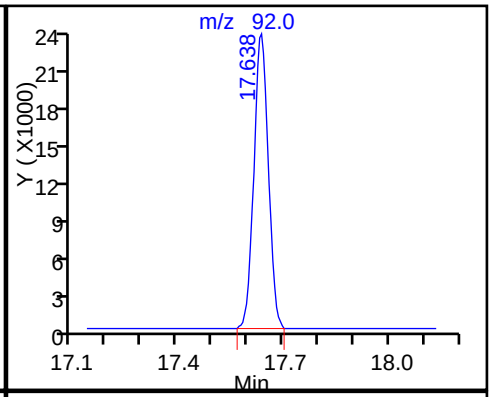
TestAmerica Burlington

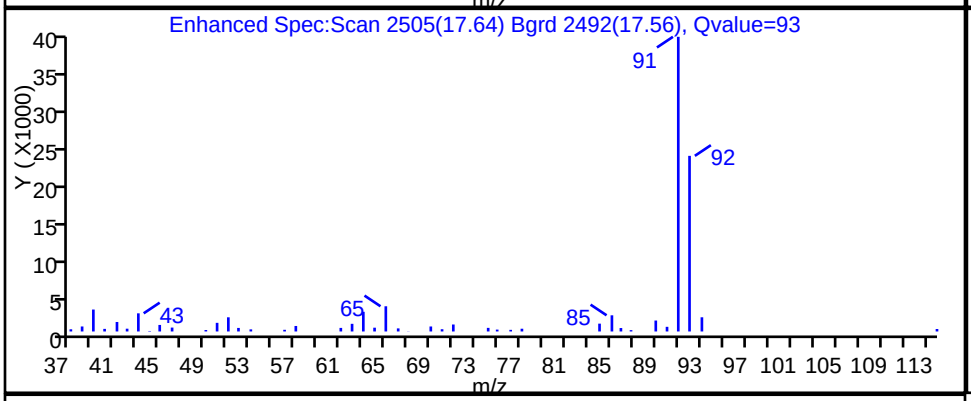
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140731-8801.b\8801_011.d

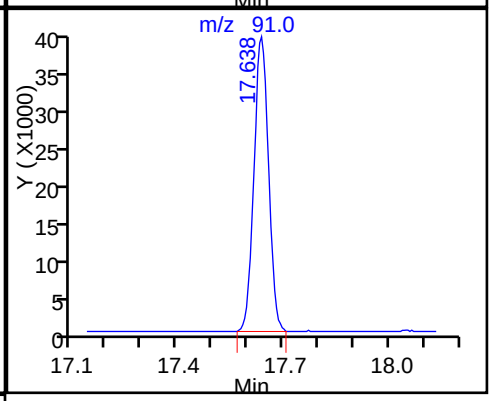
Injection Date:	31-Jul-2014 19:34:30	Instrument ID:	CHW.i		
Lims ID:	280-58003-A-4	Lab Sample ID:	200-58003-4		
Client ID:	776VMP0201KC				
Operator ID:	BPL	ALS Bottle#:	9	Worklist Smp#:	11
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

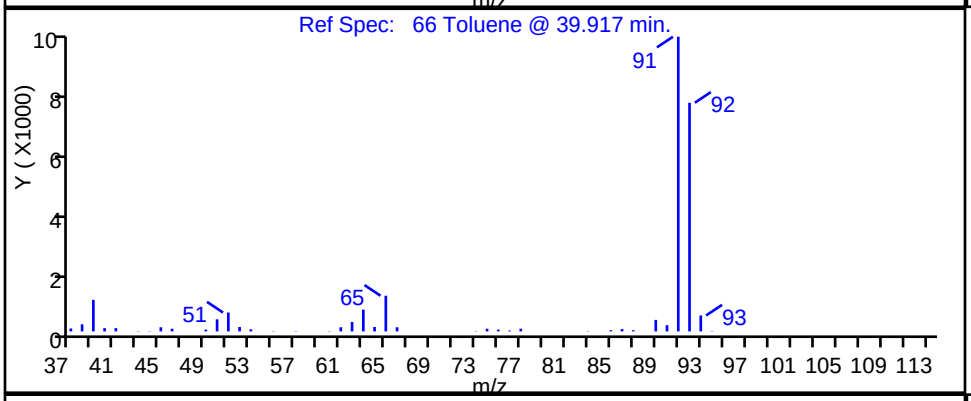
66 Toluene, CAS: 108-88-3

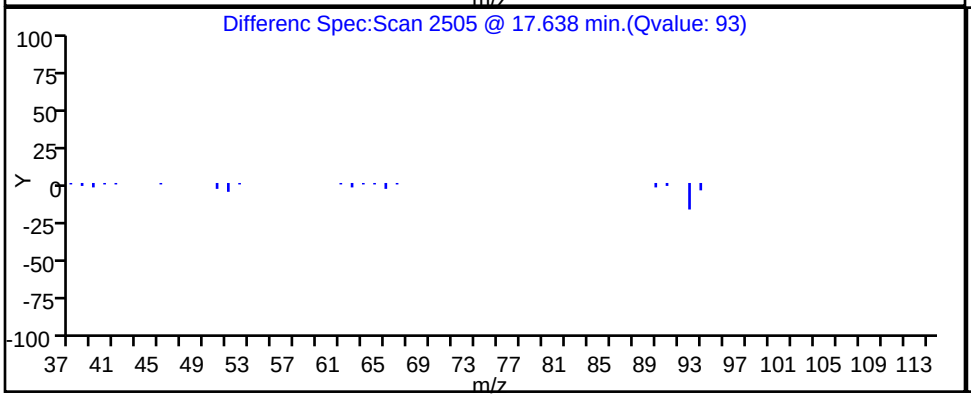


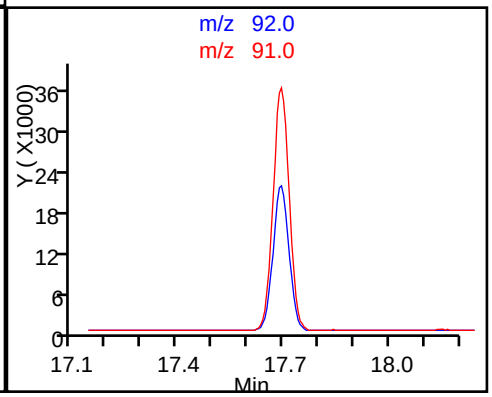












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Injection Date:	31-Jul-2014 19:34:30	Instrument ID:	CHW.i		
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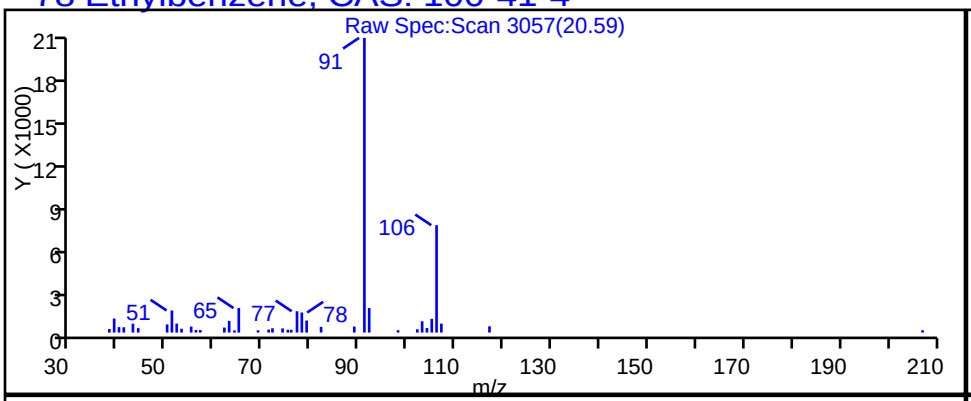
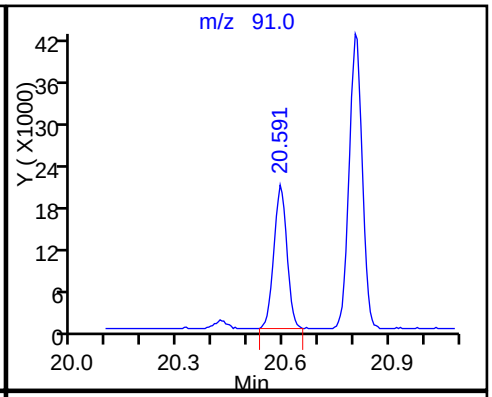
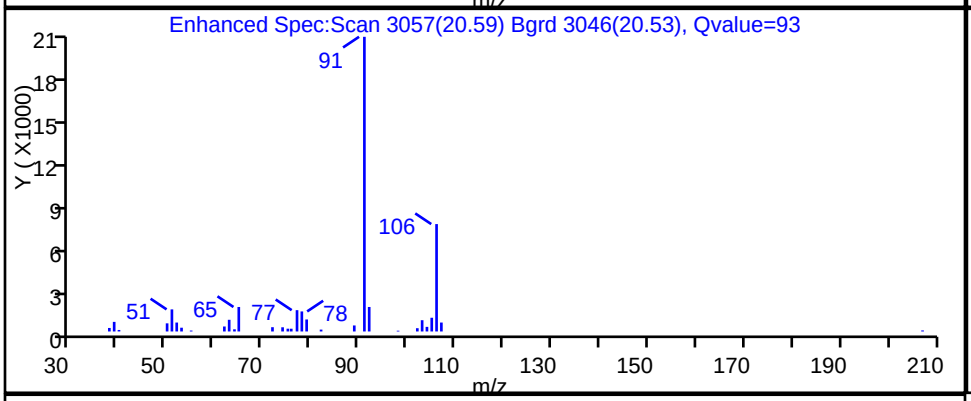
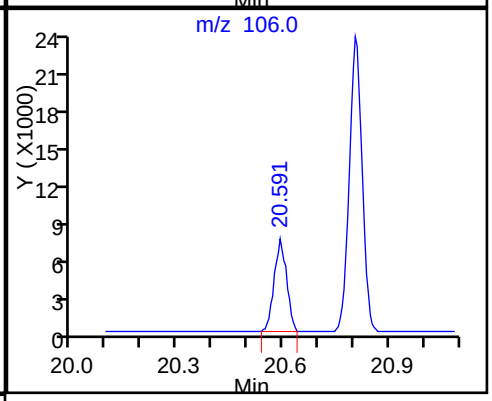
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

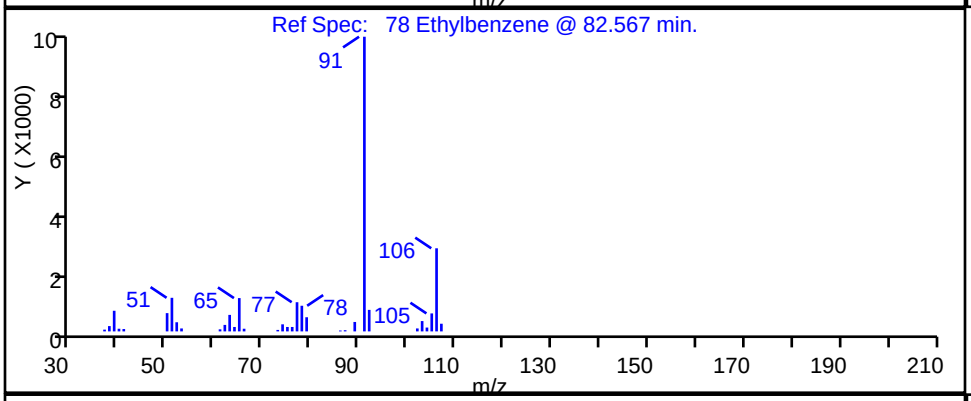
78 Ethylbenzene, CAS: 100-41-4

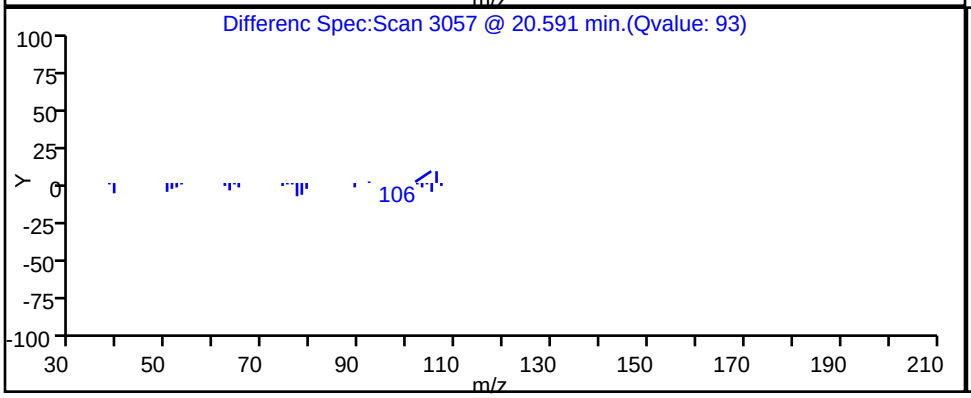


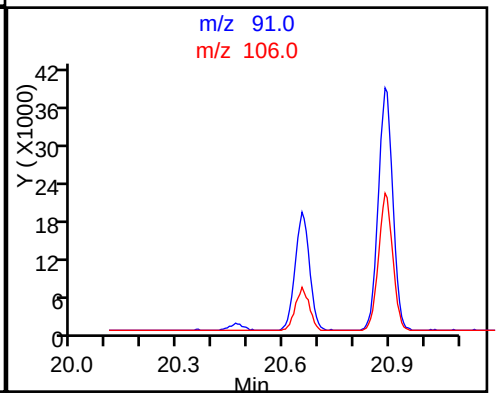












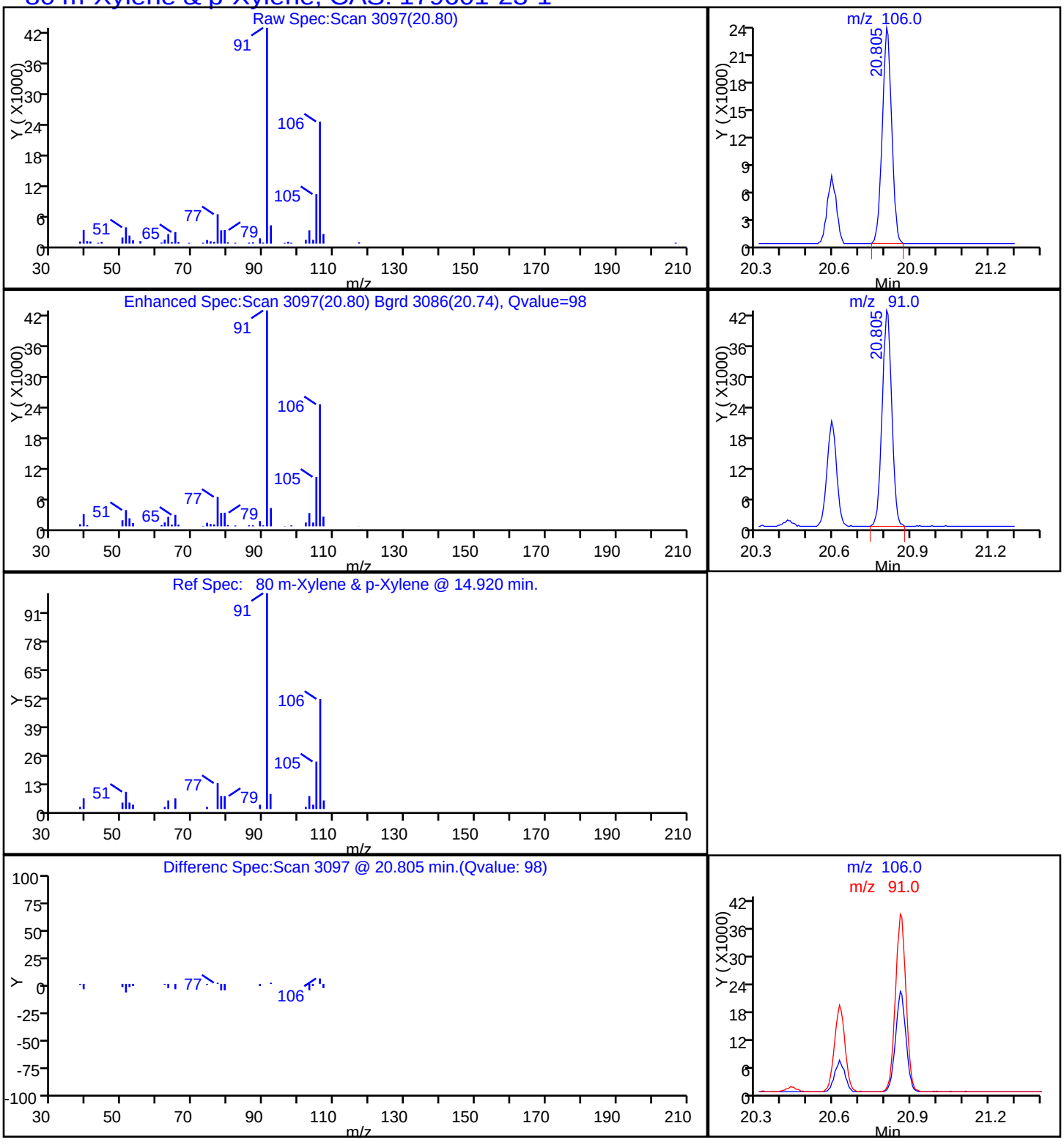
Report Date: 01-Aug-2014 10:24:44 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140731-8801.b\8801_011.d

Injection Date:	31-Jul-2014 19:34:30	Instrument ID:	CHW.i		
Lims ID:	280-58003-A-4	Lab Sample ID:	200-58003-4		
Client ID:	776VMP0201KC				
Operator ID:	BPL	ALS Bottle#:	9	Worklist Smp#:	11
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
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



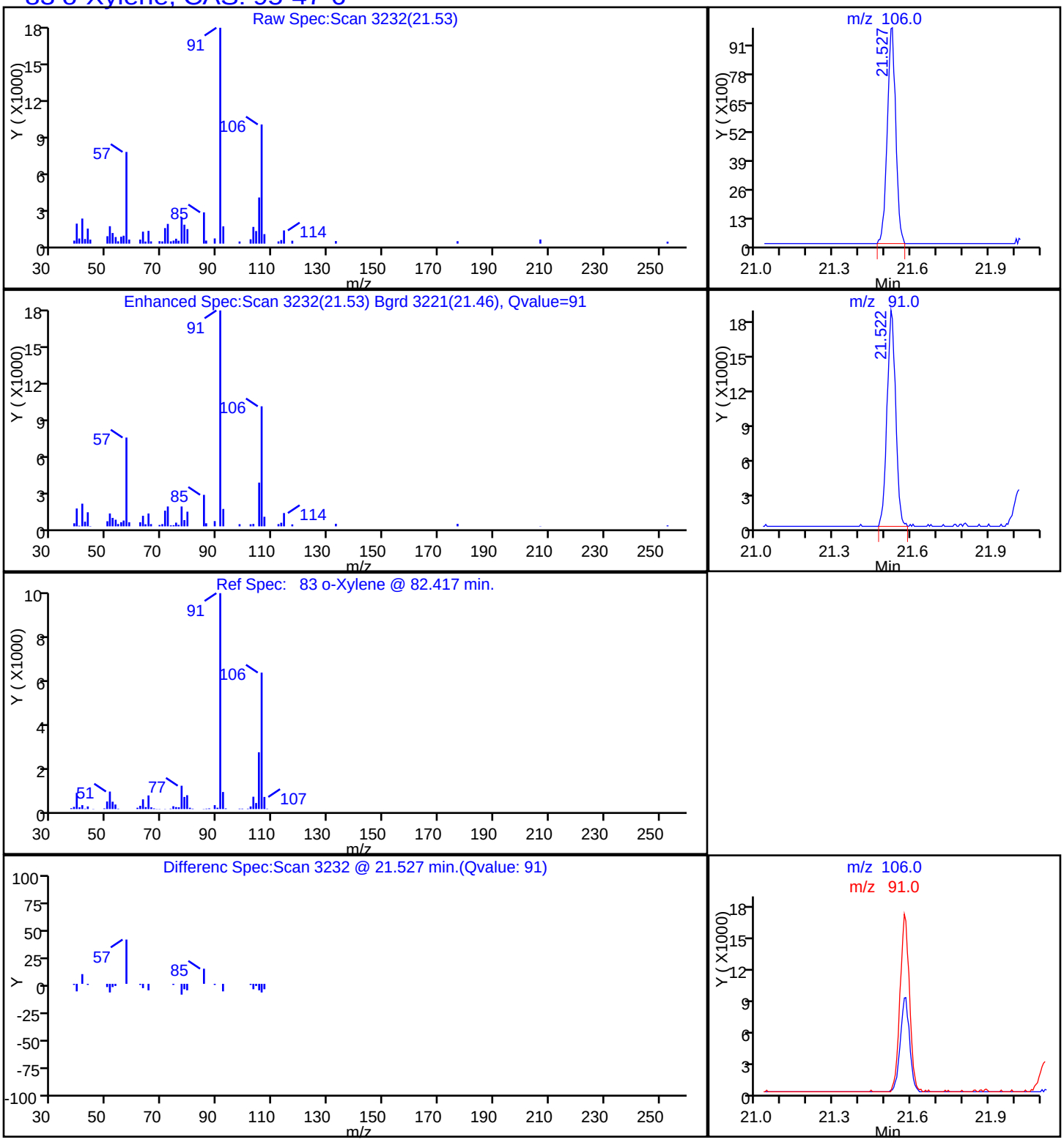
Report Date: 01-Aug-2014 10:24:44 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140731-8801.b\8801_011.d

Injection Date:	31-Jul-2014 19:34:30	Instrument ID:	CHW.i		
Lims ID:	280-58003-A-4	Lab Sample ID:	200-58003-4		
Client ID:	776VMP0201KC				
Operator ID:	BPL	ALS Bottle#:	9	Worklist Smp#:	11
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
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



Report Date: 01-Aug-2014 10:24:44 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140731-8801.b\8801_011.d

Injection Date:	31-Jul-2014 19:34:30	Instrument ID:	CHW.i		
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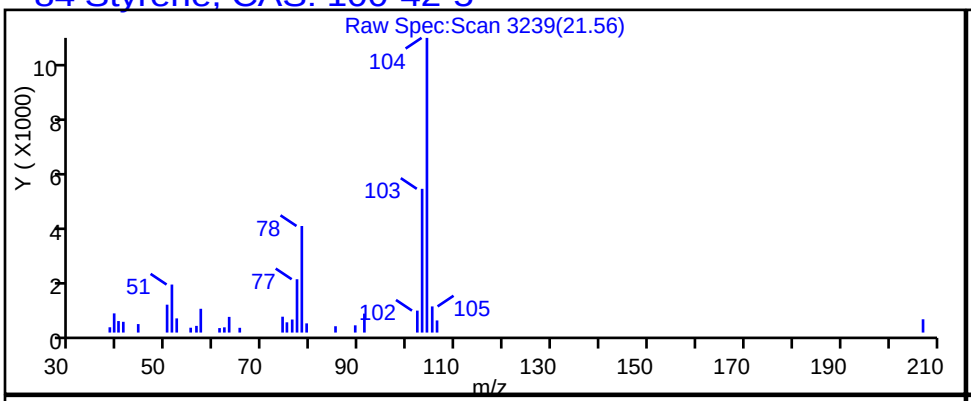
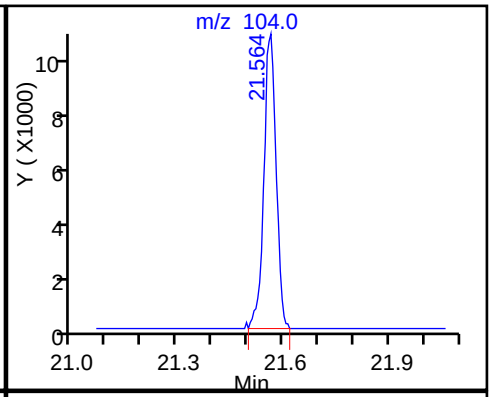
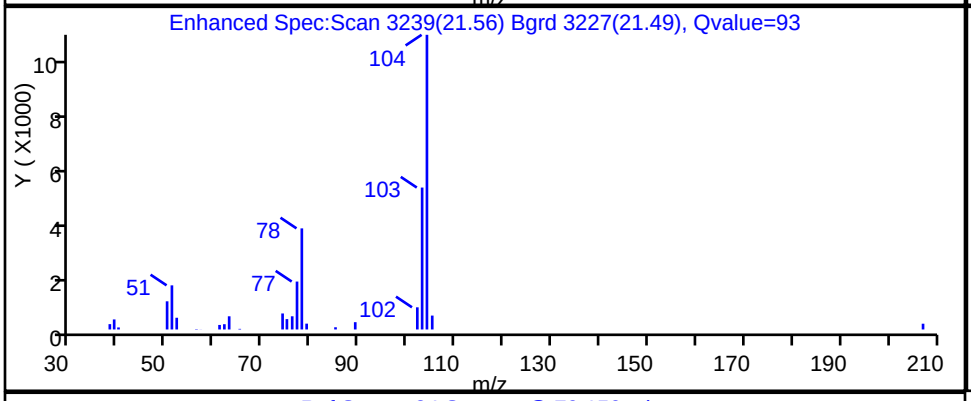
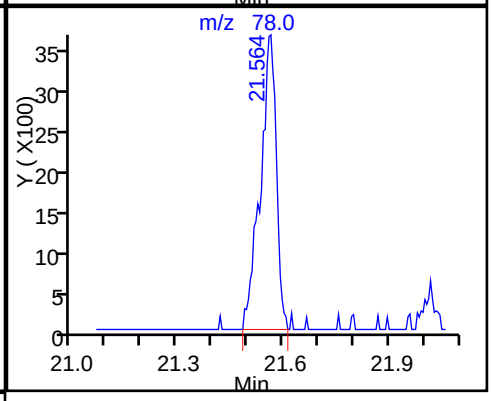
Operator ID:	BPL	ALS Bottle#:	9	Worklist Smp#:	11
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

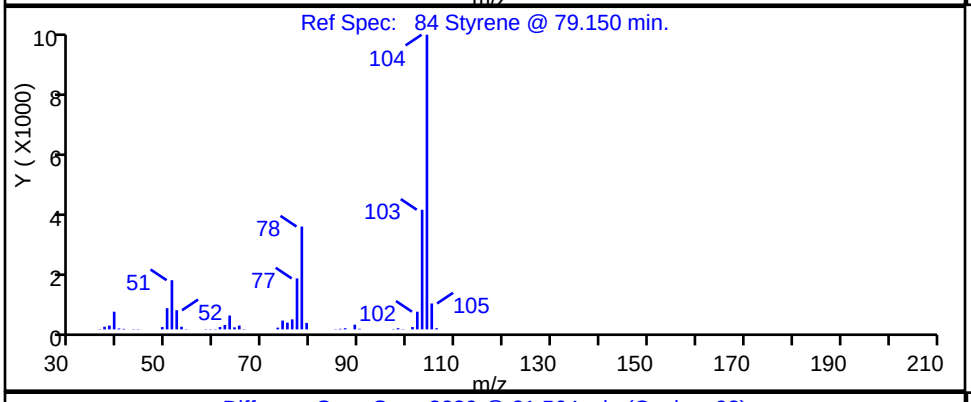
84 Styrene, CAS: 100-42-5

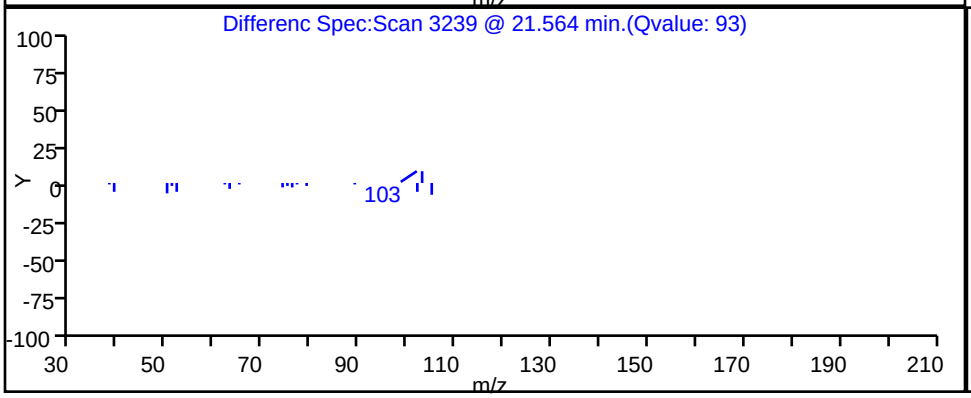


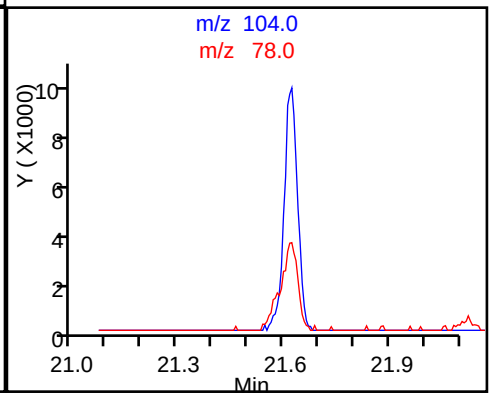












Report Date: 01-Aug-2014 10:24:44 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140731-8801.b\8801_011.d

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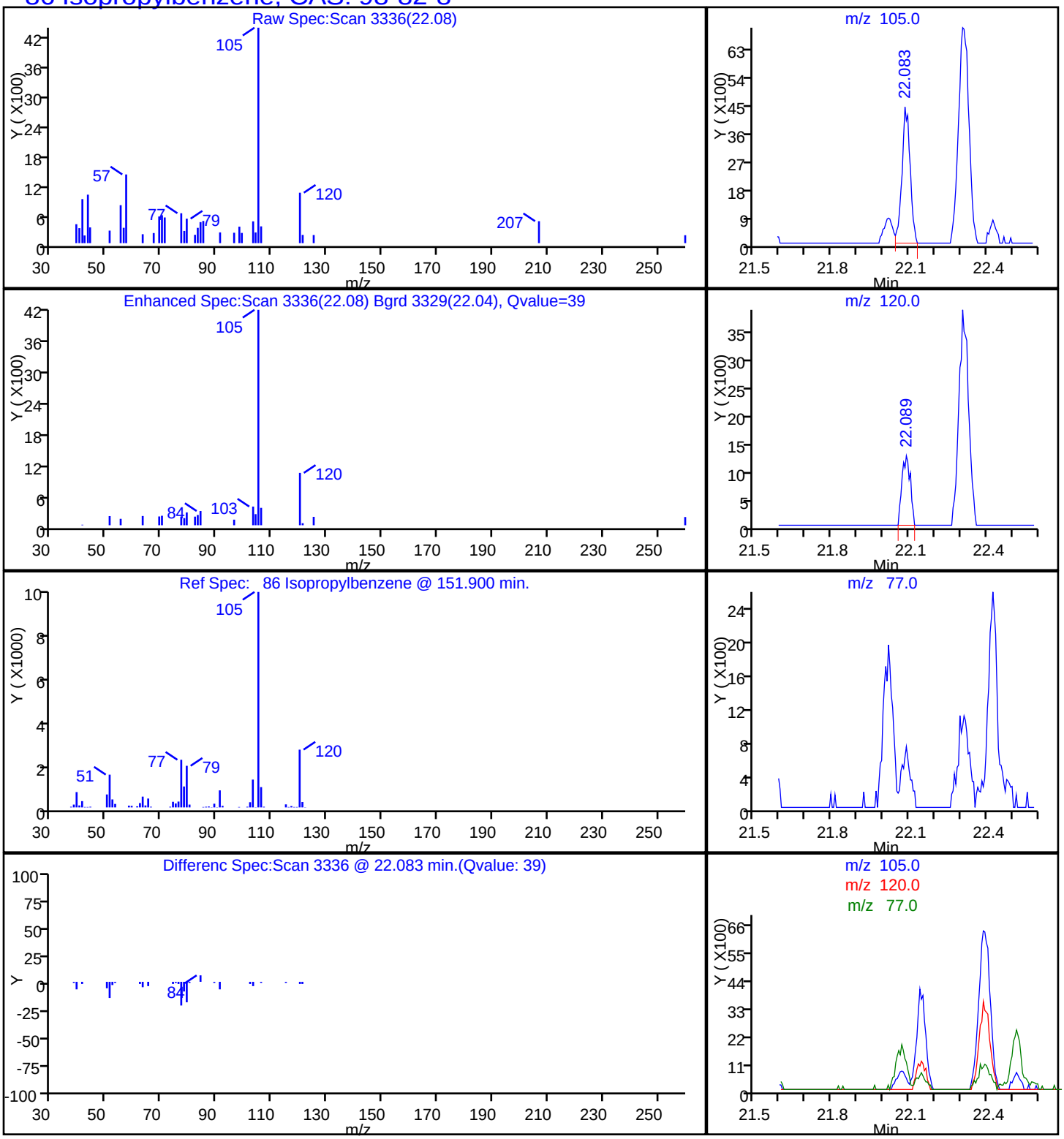
Operator ID:	BPL	ALS Bottle#:	9	Worklist Smp#:	11
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

86 Isopropylbenzene, CAS: 98-82-8



Report Date: 01-Aug-2014 10:24:44 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

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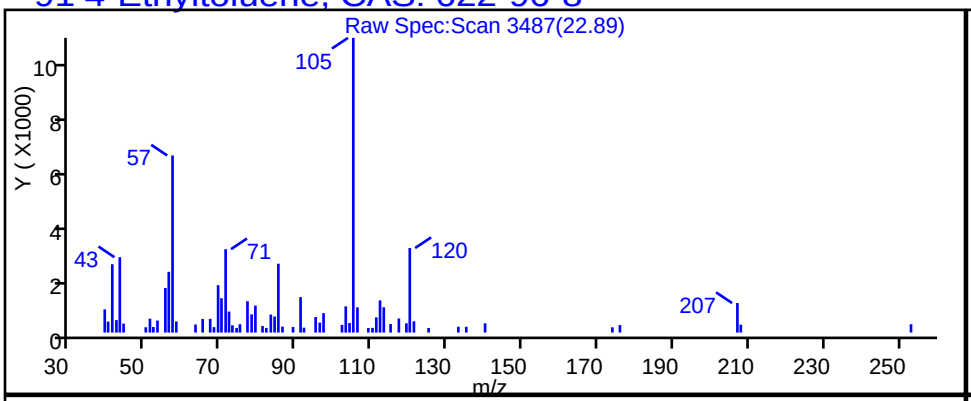
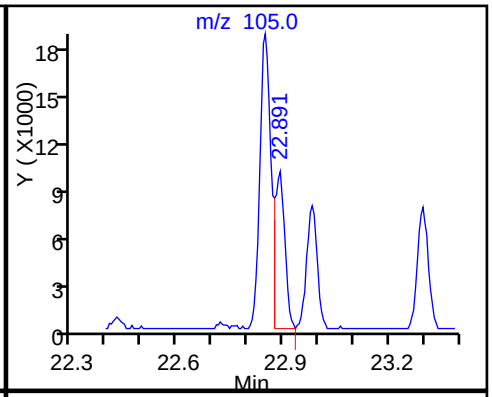
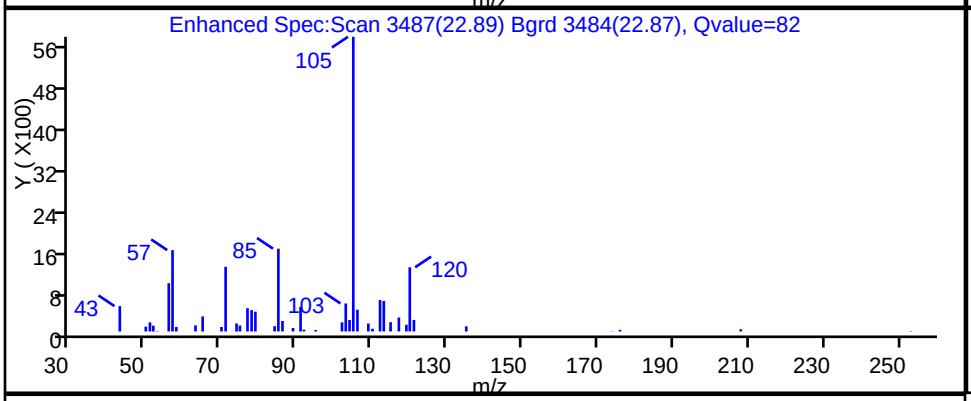
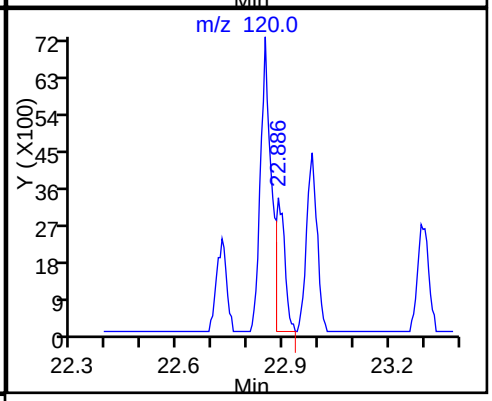
Operator ID:	BPL	ALS Bottle#:	9 Worklist Smp#: 11
Purge Vol:	200.000 mL	Dil. Factor:	2.0000
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN

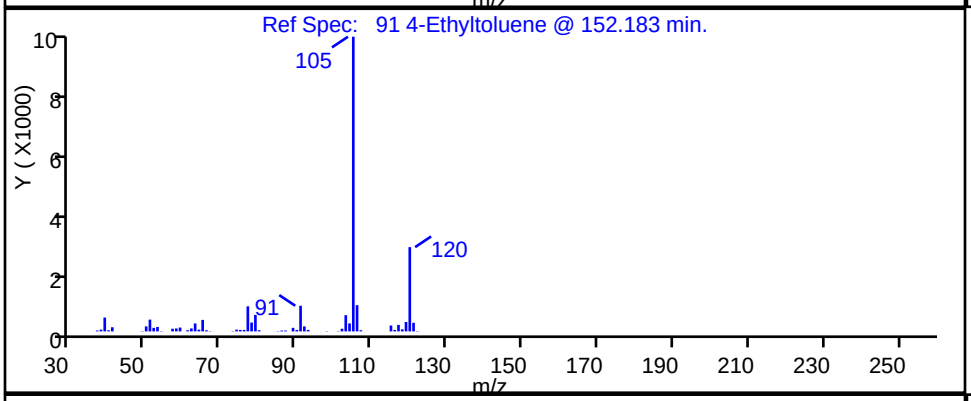
91 4-Ethyltoluene, CAS: 622-96-8

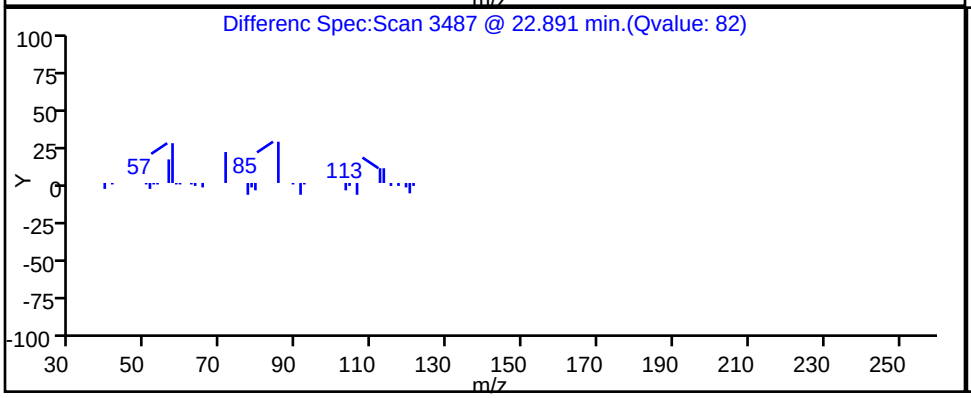


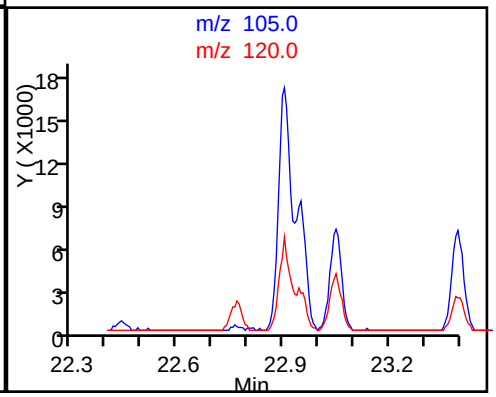












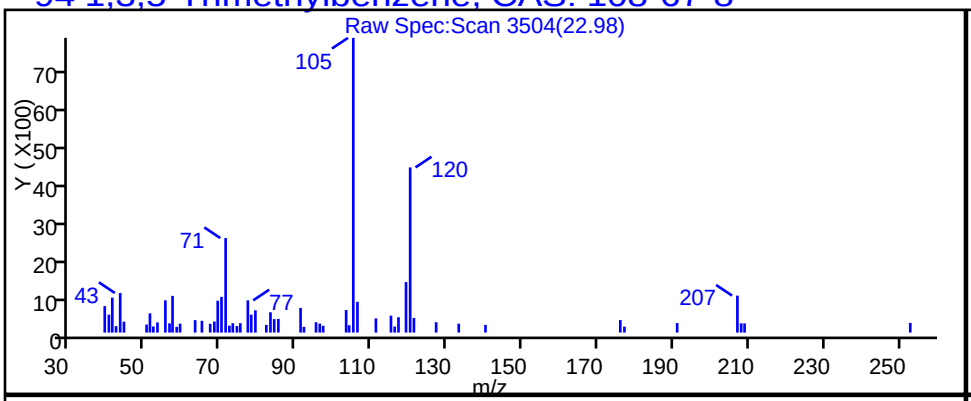
Report Date: 01-Aug-2014 10:24:44 Chrom Revision: 2.2 24-Jun-2014 07:21:42

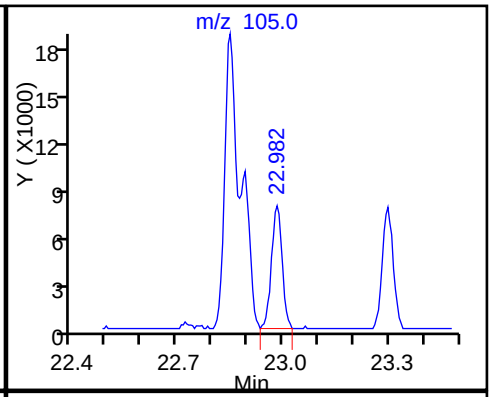
TestAmerica Burlington

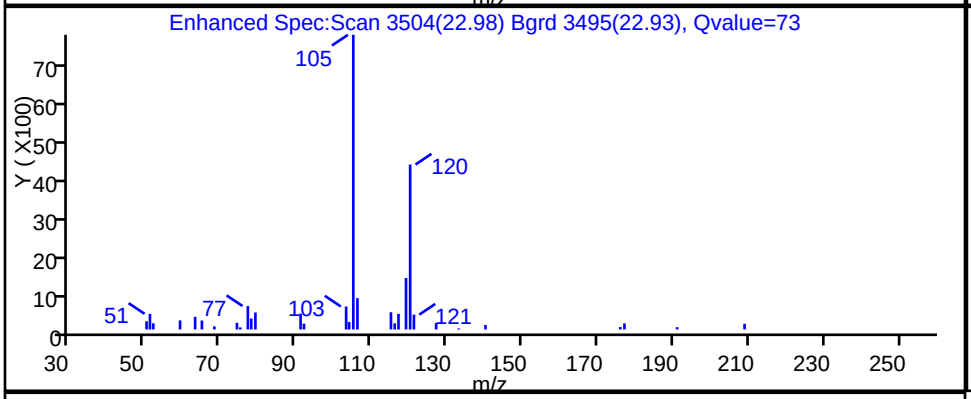
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140731-8801.b\8801_011.d

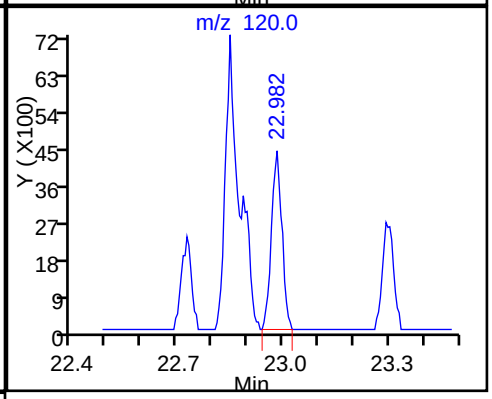
Injection Date:	31-Jul-2014 19:34:30	Instrument ID:	CHW.i		
Lims ID:	280-58003-A-4	Lab Sample ID:	200-58003-4		
Client ID:	776VMP0201KC				
Operator ID:	BPL	ALS Bottle#:	9	Worklist Smp#:	11
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

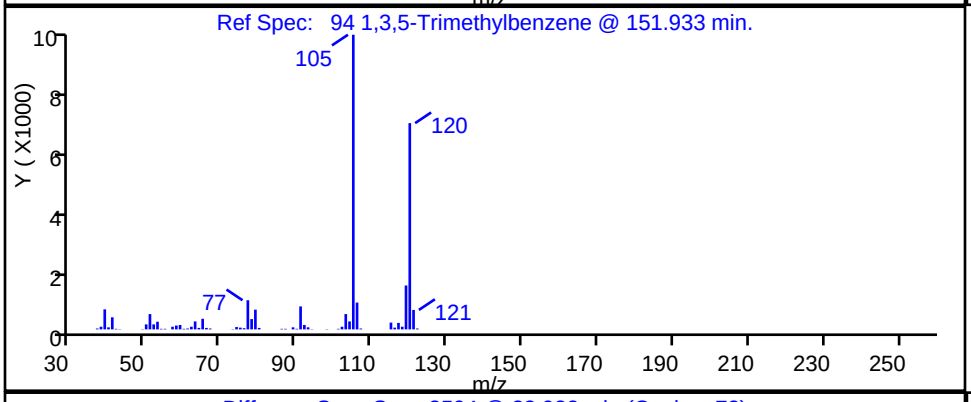
94 1,3,5-Trimethylbenzene, CAS: 108-67-8

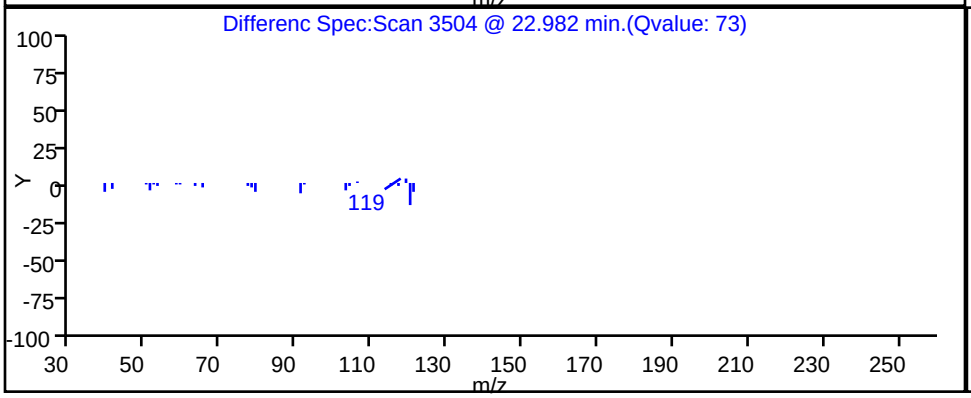


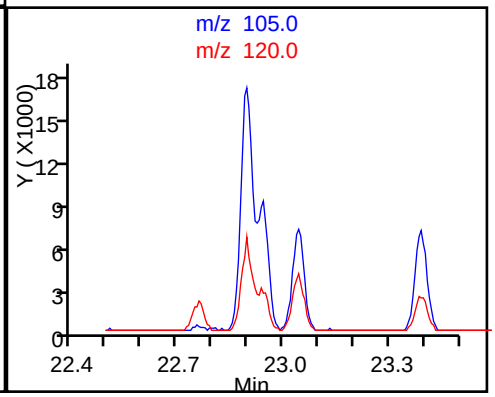












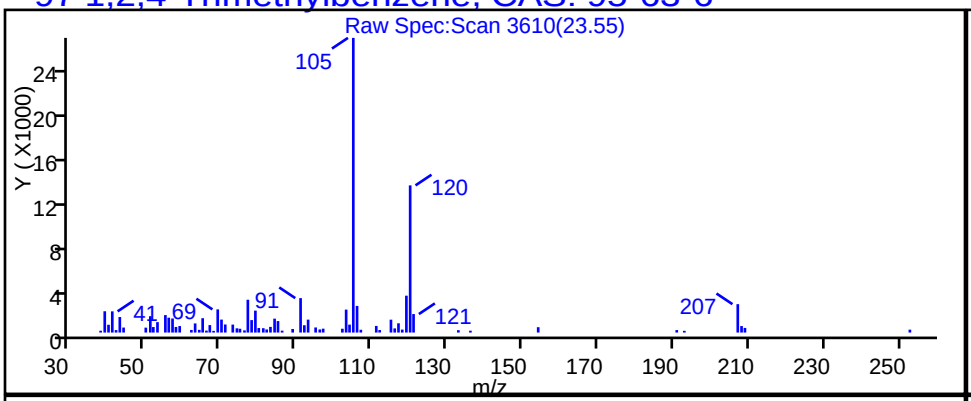
Report Date: 01-Aug-2014 10:24:44 Chrom Revision: 2.2 24-Jun-2014 07:21:42

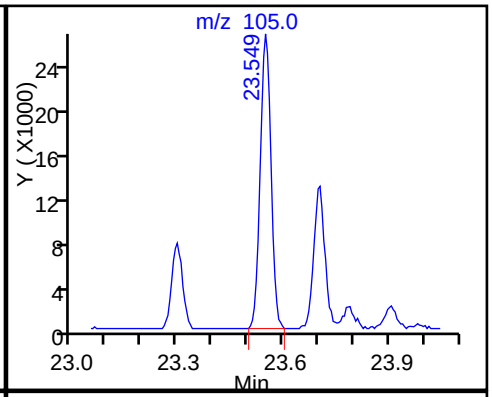
TestAmerica Burlington

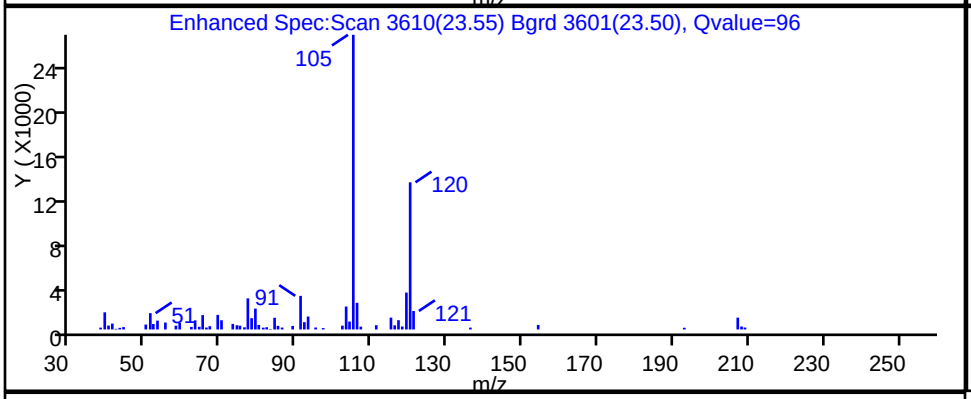
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140731-8801.b\8801_011.d

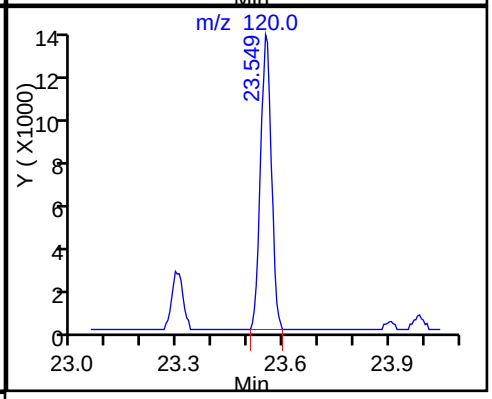
Injection Date:	31-Jul-2014 19:34:30	Instrument ID:	CHW.i		
Lims ID:	280-58003-A-4	Lab Sample ID:	200-58003-4		
Client ID:	776VMP0201KC				
Operator ID:	BPL	ALS Bottle#:	9	Worklist Smp#:	11
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

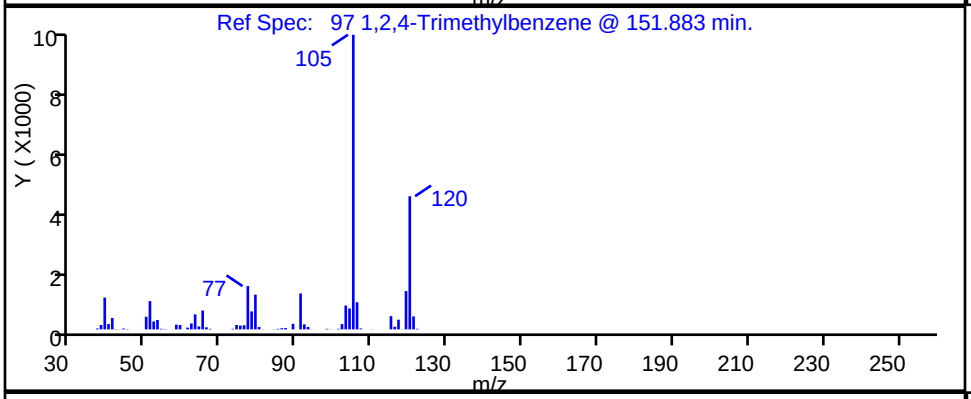
97 1,2,4-Trimethylbenzene, CAS: 95-63-6

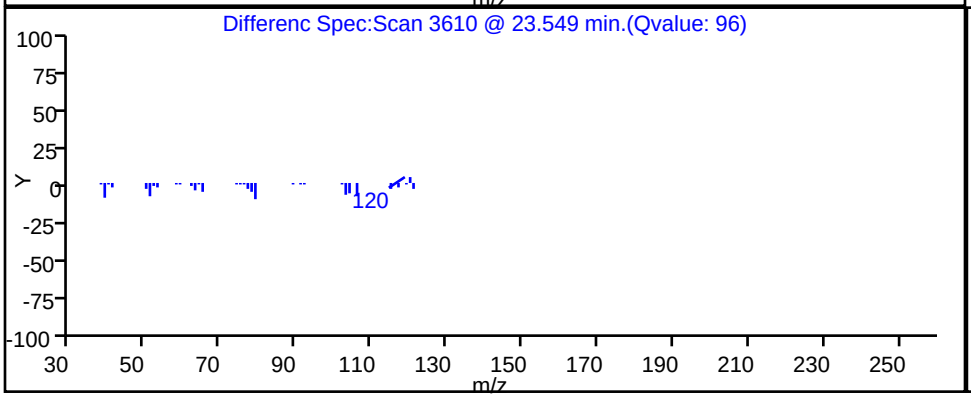


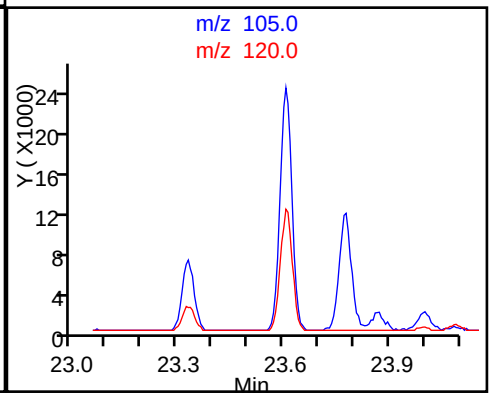












Report Date: 01-Aug-2014 10:24:44 Chrom Revision: 2.2 24-Jun-2014 07:21:42

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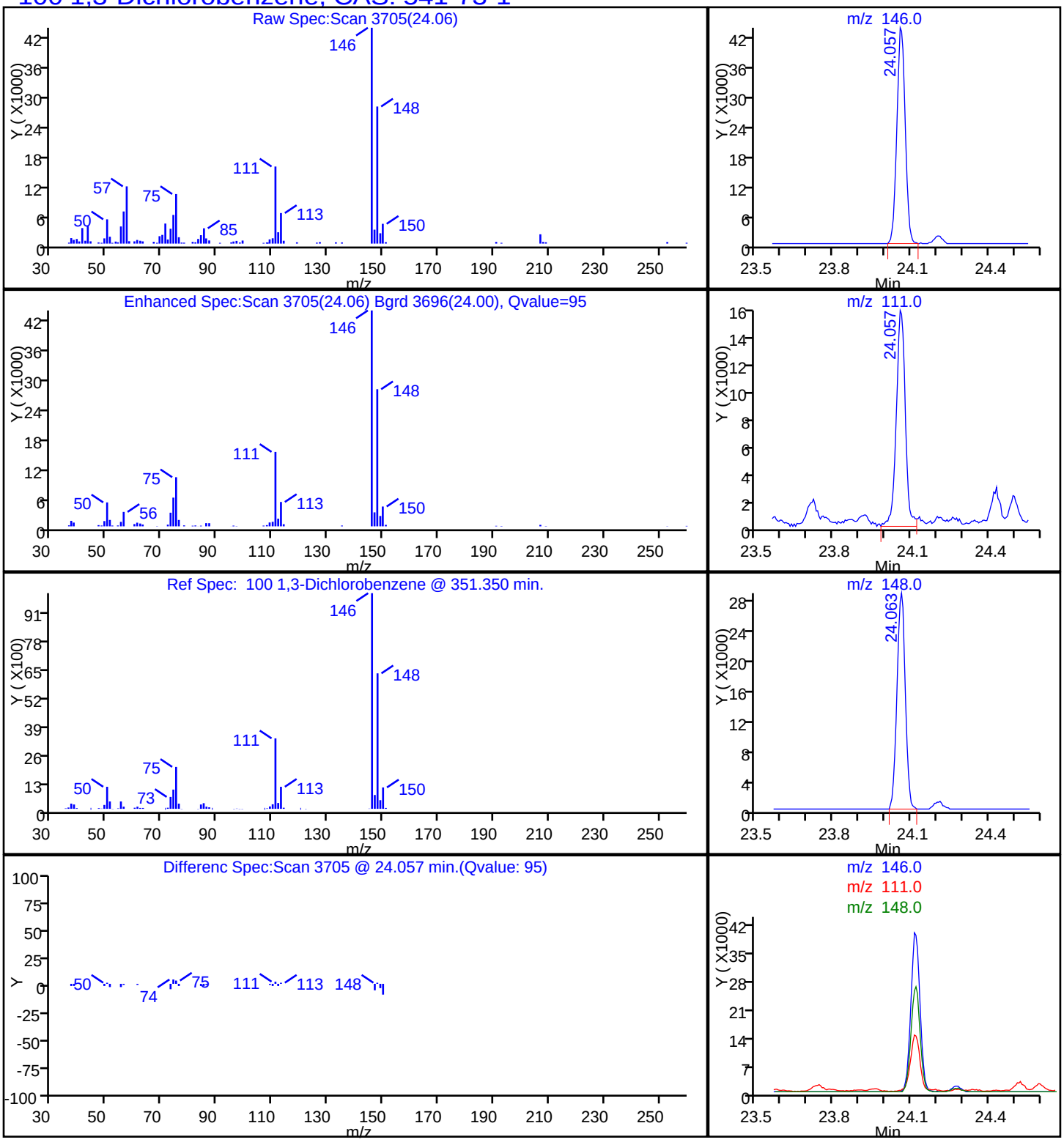
Client ID:	776VMP0201KC				
Operator ID:	BPL	ALS Bottle#:	9	Worklist Smp#:	11
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

100 1,3-Dichlorobenzene, CAS: 541-73-1



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

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Client Sample ID: 776VMP0101KA Lab Sample ID: 280-58003-5

Matrix: Air Lab File ID: 8801_012.d

Analysis Method: TO-15 Date Collected: 07/17/2014 12:00

Sample wt/vol: 125(mL) Date Analyzed: 07/31/2014 20:23

Soil Aliquot Vol: Dilution Factor: 1.6

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75517 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	0.55	J D	0.80	0.048
75-45-6	Freon 22	86.47	35	D	0.80	0.077
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.13	U	0.32	0.056
74-87-3	Chloromethane	50.49	0.41	J D	0.80	0.22
106-97-8	n-Butane	58.12	0.80	U	0.80	0.45
75-01-4	Vinyl chloride	62.50	0.13	U	0.32	0.061
106-99-0	1,3-Butadiene	54.09	0.13	U	0.32	0.067
74-83-9	Bromomethane	94.94	0.13	U	0.32	0.045
75-00-3	Chloroethane	64.52	0.13	U	0.80	0.048
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.13	U	0.32	0.048
75-69-4	Trichlorofluoromethane	137.37	0.22	J D	0.32	0.048
76-13-1	Freon TF	187.38	0.082	J D	0.32	0.029
75-35-4	1,1-Dichloroethene	96.94	0.13	U	0.32	0.038
67-64-1	Acetone	58.08	10	D	8.0	2.0
67-63-0	Isopropyl alcohol	60.10	6.2	J D	8.0	0.34
75-15-0	Carbon disulfide	76.14	0.74	J D	0.80	0.11
107-05-1	3-Chloropropene	76.53	0.13	U	0.80	0.054
75-09-2	Methylene Chloride	84.93	0.32	U	0.80	0.20
75-65-0	tert-Butyl alcohol	74.12	0.80	U	8.0	0.52
1634-04-4	Methyl tert-butyl ether	88.15	0.13	U	0.32	0.035
156-60-5	trans-1,2-Dichloroethene	96.94	0.13	U	0.32	0.046
110-54-3	n-Hexane	86.17	0.094	J D	0.32	0.054
75-34-3	1,1-Dichloroethane	98.96	0.13	U	0.32	0.061
78-93-3	Methyl Ethyl Ketone	72.11	1.4	D	0.80	0.39
156-59-2	cis-1,2-Dichloroethene	96.94	0.13	U	0.32	0.061
540-59-0	1,2-Dichloroethene, Total	96.94	0.13	U	0.32	0.10
67-66-3	Chloroform	119.38	0.050	J D	0.32	0.040
109-99-9	Tetrahydrofuran	72.11	0.13	U	8.0	0.074
71-55-6	1,1,1-Trichloroethane	133.41	0.13	U	0.32	0.034
110-82-7	Cyclohexane	84.16	0.31	J D	0.32	0.040
56-23-5	Carbon tetrachloride	153.81	0.074	J D	0.32	0.034
540-84-1	2,2,4-Trimethylpentane	114.23	0.13	U	0.32	0.043
71-43-2	Benzene	78.11	0.082	J D	0.32	0.030
107-06-2	1,2-Dichloroethane	98.96	0.048	U	0.32	0.027

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

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Client Sample ID: 776VMP0101KA Lab Sample ID: 280-58003-5

Matrix: Air Lab File ID: 8801_012.d

Analysis Method: TO-15 Date Collected: 07/17/2014 12:00

Sample wt/vol: 125(mL) Date Analyzed: 07/31/2014 20:23

Soil Aliquot Vol: Dilution Factor: 1.6

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75517 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
142-82-5	n-Heptane	100.21	0.13	U	0.32	0.074
79-01-6	Trichloroethene	131.39	0.13	J D	0.32	0.038
80-62-6	Methyl methacrylate	100.12	0.13	U	0.80	0.048
78-87-5	1,2-Dichloropropane	112.99	0.13	U	0.32	0.051
123-91-1	1,4-Dioxane	88.11	0.32	U	8.0	0.32
75-27-4	Bromodichloromethane	163.83	0.048	U	0.32	0.027
10061-01-5	cis-1,3-Dichloropropene	110.97	0.13	U	0.32	0.045
108-10-1	methyl isobutyl ketone	100.16	0.068	J D	0.80	0.043
108-88-3	Toluene	92.14	0.10	J D	0.32	0.027
10061-02-6	trans-1,3-Dichloropropene	110.97	0.13	U	0.32	0.035
79-00-5	1,1,2-Trichloroethane	133.41	0.048	U	0.32	0.027
127-18-4	Tetrachloroethene	165.83	0.048	U	0.32	0.026
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.32	U	0.80	0.32
124-48-1	Dibromochloromethane	208.29	0.048	U	0.32	0.032
106-93-4	1,2-Dibromoethane	187.87	0.13	U	0.32	0.032
108-90-7	Chlorobenzene	112.56	0.048	U	0.32	0.013
100-41-4	Ethylbenzene	106.17	0.048	U	0.32	0.021
179601-23-1	m,p-Xylene	106.17	0.13	U	0.80	0.037
95-47-6	Xylene, o-	106.17	0.048	U	0.32	0.026
1330-20-7	Xylene (total)	106.17	0.13	U	0.32	0.054
100-42-5	Styrene	104.15	0.048	U	0.32	0.029
75-25-2	Bromoform	252.75	0.048	U	0.32	0.016
98-82-8	Cumene	120.19	0.048	U	0.32	0.026
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.048	U	0.32	0.026
103-65-1	n-Propylbenzene	120.19	0.13	U	0.32	0.13
622-96-8	4-Ethyltoluene	120.20	0.048	U	0.32	0.029
108-67-8	1,3,5-Trimethylbenzene	120.20	0.048	U	0.32	0.019
95-49-8	2-Chlorotoluene	126.59	0.048	U	0.32	0.021
98-06-6	tert-Butylbenzene	134.22	0.048	U	0.32	0.027
95-63-6	1,2,4-Trimethylbenzene	120.20	0.048	U	0.32	0.022
135-98-8	sec-Butylbenzene	134.22	0.13	U	0.32	0.13
99-87-6	4-Isopropyltoluene	134.22	0.13	U	0.32	0.13
541-73-1	1,3-Dichlorobenzene	147.00	0.048	U	0.32	0.022
106-46-7	1,4-Dichlorobenzene	147.00	0.048	U	0.32	0.022

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

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Client Sample ID: 776VMP0101KA Lab Sample ID: 280-58003-5

Matrix: Air Lab File ID: 8801_012.d

Analysis Method: TO-15 Date Collected: 07/17/2014 12:00

Sample wt/vol: 125(mL) Date Analyzed: 07/31/2014 20:23

Soil Aliquot Vol: Dilution Factor: 1.6

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75517 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	0.13	U	0.32	0.13
104-51-8	n-Butylbenzene	134.22	0.13	U	0.32	0.13
95-50-1	1,2-Dichlorobenzene	147.00	0.048	U	0.32	0.022
120-82-1	1,2,4-Trichlorobenzene	181.45	0.13	U	0.80	0.043
87-68-3	Hexachlorobutadiene	260.76	0.13	U	0.32	0.035
91-20-3	Naphthalene	128.17	0.32	U	0.80	0.32

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

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Client Sample ID: 776VMP0101KA Lab Sample ID: 280-58003-5

Matrix: Air Lab File ID: 8801_012.d

Analysis Method: TO-15 Date Collected: 07/17/2014 12:00

Sample wt/vol: 125(mL) Date Analyzed: 07/31/2014 20:23

Soil Aliquot Vol: Dilution Factor: 1.6

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75517 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	2.7	J D	4.0	0.24
75-45-6	Freon 22	86.47	130	D	2.8	0.27
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.89	U	2.2	0.39
74-87-3	Chloromethane	50.49	0.85	J D	1.7	0.45
106-97-8	n-Butane	58.12	1.9	U	1.9	1.1
75-01-4	Vinyl chloride	62.50	0.33	U	0.82	0.16
106-99-0	1,3-Butadiene	54.09	0.28	U	0.71	0.15
74-83-9	Bromomethane	94.94	0.50	U	1.2	0.17
75-00-3	Chloroethane	64.52	0.34	U	2.1	0.13
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.56	U	1.4	0.21
75-69-4	Trichlorofluoromethane	137.37	1.2	J D	1.8	0.27
76-13-1	Freon TF	187.38	0.63	J D	2.5	0.22
75-35-4	1,1-Dichloroethene	96.94	0.51	U	1.3	0.15
67-64-1	Acetone	58.08	24	D	19	4.8
67-63-0	Isopropyl alcohol	60.10	15	J D	20	0.85
75-15-0	Carbon disulfide	76.14	2.3	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	1.1	U	2.8	0.69
75-65-0	tert-Butyl alcohol	74.12	2.4	U	24	1.6
1634-04-4	Methyl tert-butyl ether	88.15	0.46	U	1.2	0.13
156-60-5	trans-1,2-Dichloroethene	96.94	0.51	U	1.3	0.18
110-54-3	n-Hexane	86.17	0.33	J D	1.1	0.19
75-34-3	1,1-Dichloroethane	98.96	0.52	U	1.3	0.25
78-93-3	Methyl Ethyl Ketone	72.11	4.0	D	2.4	1.1
156-59-2	cis-1,2-Dichloroethene	96.94	0.51	U	1.3	0.24
540-59-0	1,2-Dichloroethene, Total	96.94	0.51	U	1.3	0.41
67-66-3	Chloroform	119.38	0.25	J D	1.6	0.20
109-99-9	Tetrahydrofuran	72.11	0.38	U	24	0.22
71-55-6	1,1,1-Trichloroethane	133.41	0.70	U	1.7	0.18
110-82-7	Cyclohexane	84.16	1.1	J D	1.1	0.14
56-23-5	Carbon tetrachloride	153.81	0.47	J D	2.0	0.21
540-84-1	2,2,4-Trimethylpentane	114.23	0.60	U	1.5	0.20
71-43-2	Benzene	78.11	0.26	J D	1.0	0.097
107-06-2	1,2-Dichloroethane	98.96	0.19	U	1.3	0.11

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

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Client Sample ID: 776VMP0101KA Lab Sample ID: 280-58003-5

Matrix: Air Lab File ID: 8801_012.d

Analysis Method: TO-15 Date Collected: 07/17/2014 12:00

Sample wt/vol: 125(mL) Date Analyzed: 07/31/2014 20:23

Soil Aliquot Vol: Dilution Factor: 1.6

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75517 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
142-82-5	n-Heptane	100.21	0.52	U	1.3	0.30
79-01-6	Trichloroethene	131.39	0.71	J D	1.7	0.21
80-62-6	Methyl methacrylate	100.12	0.52	U	3.3	0.20
78-87-5	1,2-Dichloropropane	112.99	0.59	U	1.5	0.24
123-91-1	1,4-Dioxane	88.11	1.2	U	29	1.2
75-27-4	Bromodichloromethane	163.83	0.32	U	2.1	0.18
10061-01-5	cis-1,3-Dichloropropene	110.97	0.58	U	1.5	0.20
108-10-1	methyl isobutyl ketone	100.16	0.28	J D	3.3	0.18
108-88-3	Toluene	92.14	0.38	J D	1.2	0.10
10061-02-6	trans-1,3-Dichloropropene	110.97	0.58	U	1.5	0.16
79-00-5	1,1,2-Trichloroethane	133.41	0.26	U	1.7	0.15
127-18-4	Tetrachloroethene	165.83	0.33	U	2.2	0.17
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	1.3	U	3.3	1.3
124-48-1	Dibromochloromethane	208.29	0.41	U	2.7	0.27
106-93-4	1,2-Dibromoethane	187.87	0.98	U	2.5	0.25
108-90-7	Chlorobenzene	112.56	0.22	U	1.5	0.060
100-41-4	Ethylbenzene	106.17	0.21	U	1.4	0.090
179601-23-1	m,p-Xylene	106.17	0.56	U	3.5	0.16
95-47-6	Xylene, o-	106.17	0.21	U	1.4	0.11
1330-20-7	Xylene (total)	106.17	0.56	U	1.4	0.24
100-42-5	Styrene	104.15	0.20	U	1.4	0.12
75-25-2	Bromoform	252.75	0.50	U	3.3	0.17
98-82-8	Cumene	120.19	0.24	U	1.6	0.13
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.33	U	2.2	0.18
103-65-1	n-Propylbenzene	120.19	0.63	U	1.6	0.63
622-96-8	4-Ethyltoluene	120.20	0.24	U	1.6	0.14
108-67-8	1,3,5-Trimethylbenzene	120.20	0.24	U	1.6	0.094
95-49-8	2-Chlorotoluene	126.59	0.25	U	1.7	0.11
98-06-6	tert-Butylbenzene	134.22	0.26	U	1.8	0.15
95-63-6	1,2,4-Trimethylbenzene	120.20	0.24	U	1.6	0.11
135-98-8	sec-Butylbenzene	134.22	0.70	U	1.8	0.70
99-87-6	4-Isopropyltoluene	134.22	0.70	U	1.8	0.70
541-73-1	1,3-Dichlorobenzene	147.00	0.29	U	1.9	0.13
106-46-7	1,4-Dichlorobenzene	147.00	0.29	U	1.9	0.13

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

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Client Sample ID: 776VMP0101KA Lab Sample ID: 280-58003-5

Matrix: Air Lab File ID: 8801_012.d

Analysis Method: TO-15 Date Collected: 07/17/2014 12:00

Sample wt/vol: 125(mL) Date Analyzed: 07/31/2014 20:23

Soil Aliquot Vol: Dilution Factor: 1.6

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75517 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	0.66	U	1.7	0.66
104-51-8	n-Butylbenzene	134.22	0.70	U	1.8	0.70
95-50-1	1,2-Dichlorobenzene	147.00	0.29	U	1.9	0.13
120-82-1	1,2,4-Trichlorobenzene	181.45	0.95	U	5.9	0.32
87-68-3	Hexachlorobutadiene	260.76	1.4	U	3.4	0.38
91-20-3	Naphthalene	128.17	1.7	U	4.2	1.7

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140731-8801.b\8801_012.d
Lims ID: 280-58003-A-5 Lab Sample ID: 200-58003-5
Client ID: 776VMP0101KA
Sample Type: Client
Inject. Date: 31-Jul-2014 20:23:30 ALS Bottle#: 10 Worklist Smp#: 12
Purge Vol: 200.000 mL Dil. Factor: 1.6000
Sample Info: 200-0008801-012
Misc. Info.: 280-58003-a-5
Operator ID: BPL Instrument ID: CHW.i

Method: \\BTV-LIMS1\ChromData\CHW.i\20140731-8801.b\TO15_LLNJ_TO3_W_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 01-Aug-2014 10:24:29 Calib Date: 15-Jun-2014 00:33:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20140613-8058.b\8058_017.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK037

First Level Reviewer: lyonsb Date: 01-Aug-2014 10:03:50

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	4.488	4.494	-0.006	96	41246	0.3417	
6 Chlorodifluoromethane	51	4.552	4.558	-0.006	97	1337764	22.2	
7 1,2-Dichloro-1,1,2,2-tetra	85		4.847				ND	
8 Chloromethane	50	5.034	5.039	-0.005	99	9197	0.2575	
9 Butane	43		5.307				ND	
10 Vinyl chloride	62		5.355				ND	
11 Butadiene	54		5.457				ND	
12 Bromomethane	94		6.329				ND	
14 Chloroethane	64		6.612				ND	
16 Vinyl bromide	106		7.083				ND	
17 Trichlorofluoromethane	101	7.200	7.195	0.005	93	18467	0.1387	
23 1,1,2-Trichloro-1,2,2-trif	101	8.436	8.447	-0.011	93	5224	0.0512	
24 1,1-Dichloroethene	96		8.522				ND	
25 Acetone	43	8.741	8.746	-0.005	90	400279	6.35	
26 Carbon disulfide	76	8.998	9.003	-0.005	99	57675	0.4624	
27 Isopropyl alcohol	45	9.025	9.057	-0.032	98	206666	3.89	
29 3-Chloro-1-propene	41		9.399				ND	
31 Methylene Chloride	49		9.736				ND	
32 2-Methyl-2-propanol	59		9.918				ND	
33 Methyl tert-butyl ether	73		10.170				ND	
S 41 1,2-Dichloroethene, Total	61		10.200				0	
34 trans-1,2-Dichloroethene	61		10.228				ND	
36 Hexane	57	10.630	10.651	-0.021	51	4279	0.0588	
37 1,1-Dichloroethane	63		11.191				ND	
39 cis-1,2-Dichloroethene	96		12.374				ND	
40 2-Butanone (MEK)	72	12.368	12.395	-0.027	100	22710	0.8541	
44 Tetrahydrofuran	42		12.855				ND	
* 43 Chlorobromomethane	128	12.844	12.850	-0.006	74	412764	10.0	
45 Chloroform	83	12.951	12.962	-0.011	75	3089	0.0314	
46 Cyclohexane	84	13.256	13.262	-0.006	84	14761	0.1968	
47 1,1,1-Trichloroethane	97		13.262				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
48 Carbon tetrachloride	117	13.513	13.524	-0.011	93	5451	0.0465	
51 Isooctane	57		13.914				ND	
50 Benzene	78	13.973	13.973	0.000	93	8131	0.0512	
52 1,2-Dichloroethane	62		14.134				ND	
53 n-Heptane	43		14.267				ND	
* 54 1,4-Difluorobenzene	114	14.727	14.733	-0.006	92	2023145	10.0	
56 Trichloroethene	95	15.193	15.204	-0.011	91	6131	0.0825	
58 1,2-Dichloropropane	63		15.717				ND	
59 Methyl methacrylate	69		15.803				ND	
60 1,4-Dioxane	88		15.899				ND	
62 Dichlorobromomethane	83		16.204				ND	
64 cis-1,3-Dichloropropene	75		17.071				ND	
65 4-Methyl-2-pentanone (MIBK	43	17.306	17.301	0.005	85	3937	0.0422	
66 Toluene	92	17.627	17.638	-0.011	94	8014	0.0626	
70 trans-1,3-Dichloropropene	75		18.178				ND	
71 1,1,2-Trichloroethane	83		18.542				ND	
72 Tetrachloroethene	166		18.681				ND	
73 2-Hexanone	43		18.927				ND	
74 Chlorodibromomethane	129		19.296				ND	
75 Ethylene Dibromide	107		19.574				ND	
S 82 Xylenes, Total	106				0		0.005287	
* 76 Chlorobenzene-d5	117	20.420	20.425	-0.005	81	1800813	10.0	
77 Chlorobenzene	112		20.479				ND	
78 Ethylbenzene	91	20.596	20.596	0.000	91	1933	0.007597	
80 m-Xylene & p-Xylene	106	20.799	20.810	-0.011	95	575	0.005287	
83 o-Xylene	106		21.522				ND	
84 Styrene	104		21.564				ND	
85 Bromoform	173		21.944				ND	
86 Isopropylbenzene	105		22.089				ND	
$ 87 4-Bromofluorobenzene	95	22.426	22.426	0.000	97	1116727	NC	
88 1,1,2,2-Tetrachloroethane	83		22.650				ND	
90 N-Propylbenzene	91		22.720				ND	
91 4-Ethyltoluene	105		22.891				ND	
92 2-Chlorotoluene	91		22.923				ND	
94 1,3,5-Trimethylbenzene	105		22.982				ND	
96 tert-Butylbenzene	119		23.453				ND	
97 1,2,4-Trimethylbenzene	105		23.549				ND	
98 sec-Butylbenzene	105		23.785				ND	
99 4-Isopropyltoluene	119		23.988				ND	
100 1,3-Dichlorobenzene	146		24.057				ND	
101 1,4-Dichlorobenzene	146		24.202				ND	
102 Benzyl chloride	91		24.411				ND	
103 n-Butylbenzene	91		24.625				ND	
105 1,2-Dichlorobenzene	146		24.812				ND	
107 1,2,4-Trichlorobenzene	180		27.695				ND	
108 Hexachlorobutadiene	225		27.893				ND	
109 Naphthalene	128		28.278				ND	

QC Flag Legend

Processing Flags
NC - Not Calibrated
ND - Not Detected or Marked ND

Reagents:

ATTO15WISs_00003 Amount Added: 20.00 Units: mL Run Reagent

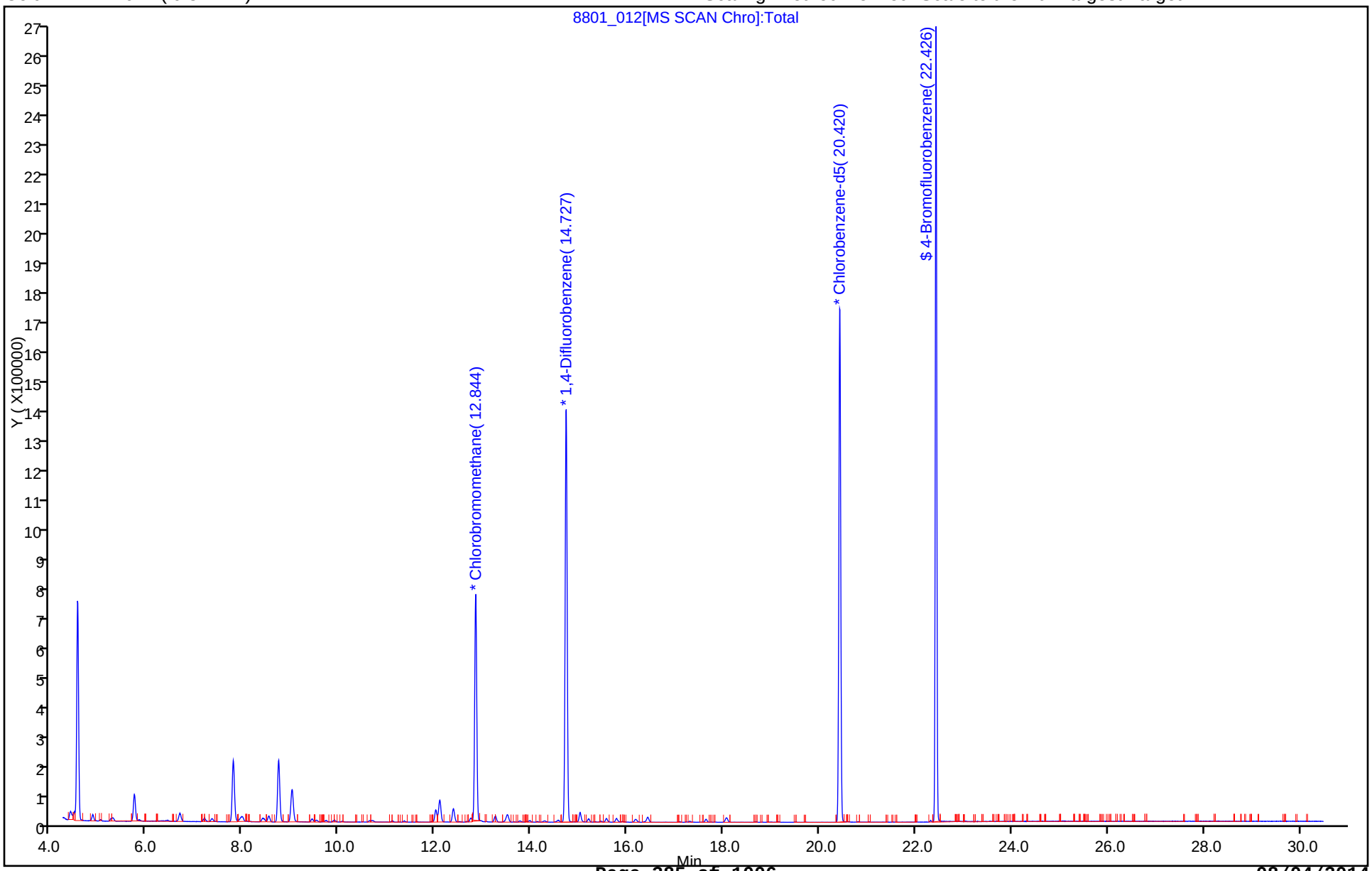
Report Date: 01-Aug-2014 10:24:46 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140731-8801.b\8801_012.d

Injection Date:	31-Jul-2014 20:23:30	Instrument ID:	CHW.i	Operator ID:	BPL
Lims ID:	280-58003-A-5	Lab Sample ID:	200-58003-5	Worklist Smp#:	12
Client ID:	776VMP0101KA				
Purge Vol:	200.000 mL	Dil. Factor:	1.6000	ALS Bottle#:	10
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



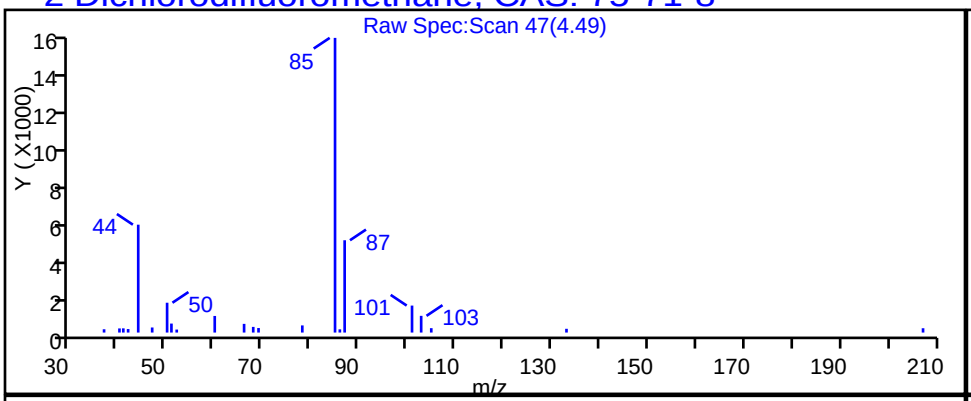
Report Date: 01-Aug-2014 10:24:46 Chrom Revision: 2.2 24-Jun-2014 07:21:42

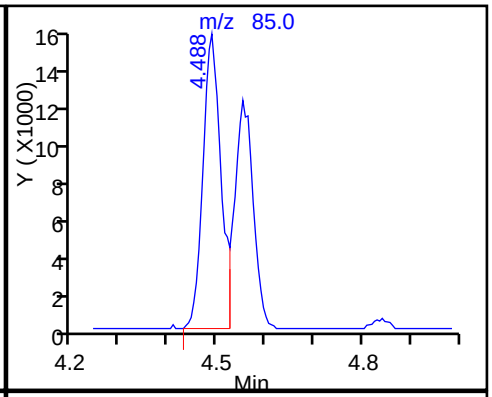
TestAmerica Burlington

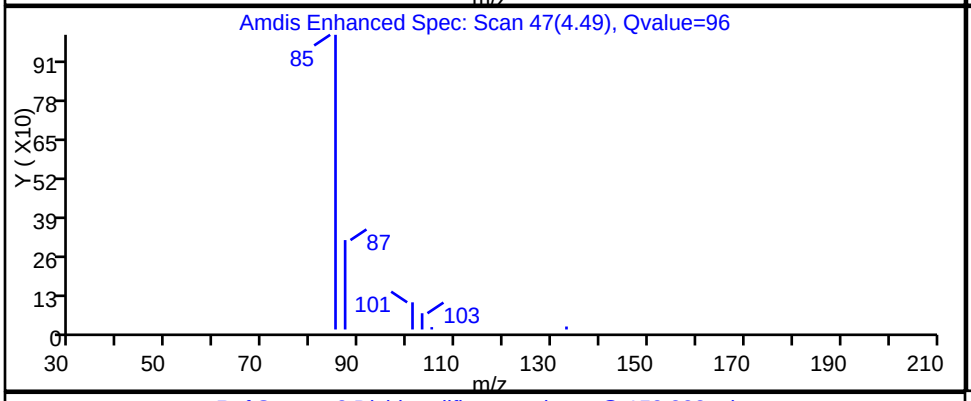
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140731-8801.b\8801_012.d

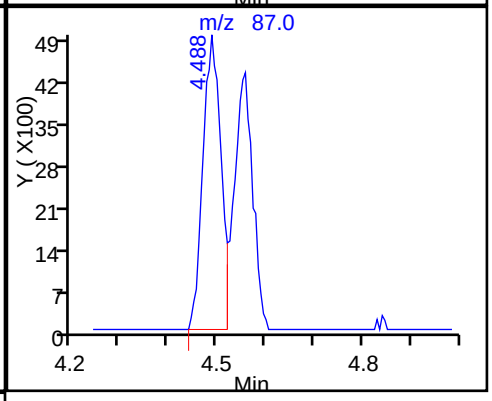
Injection Date:	31-Jul-2014 20:23:30	Instrument ID:	CHW.i		
Lims ID:	280-58003-A-5	Lab Sample ID:	200-58003-5		
Client ID:	776VMP0101KA				
Operator ID:	BPL	ALS Bottle#:	10	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	1.6000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

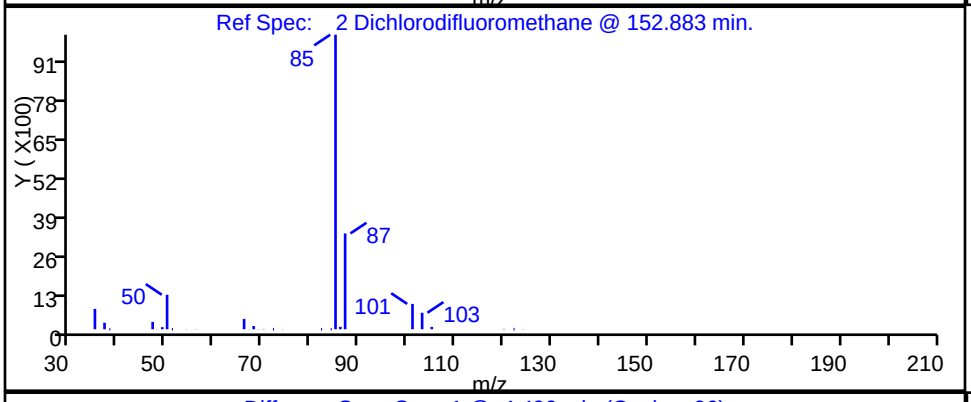
2 Dichlorodifluoromethane, CAS: 75-71-8

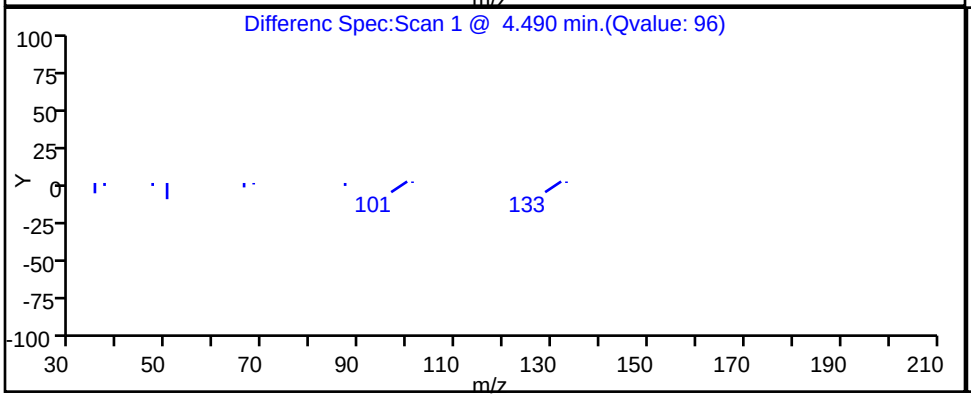


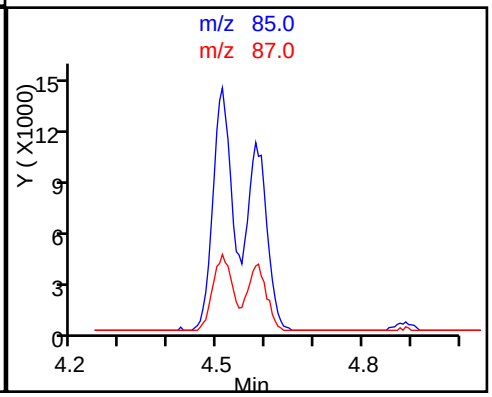












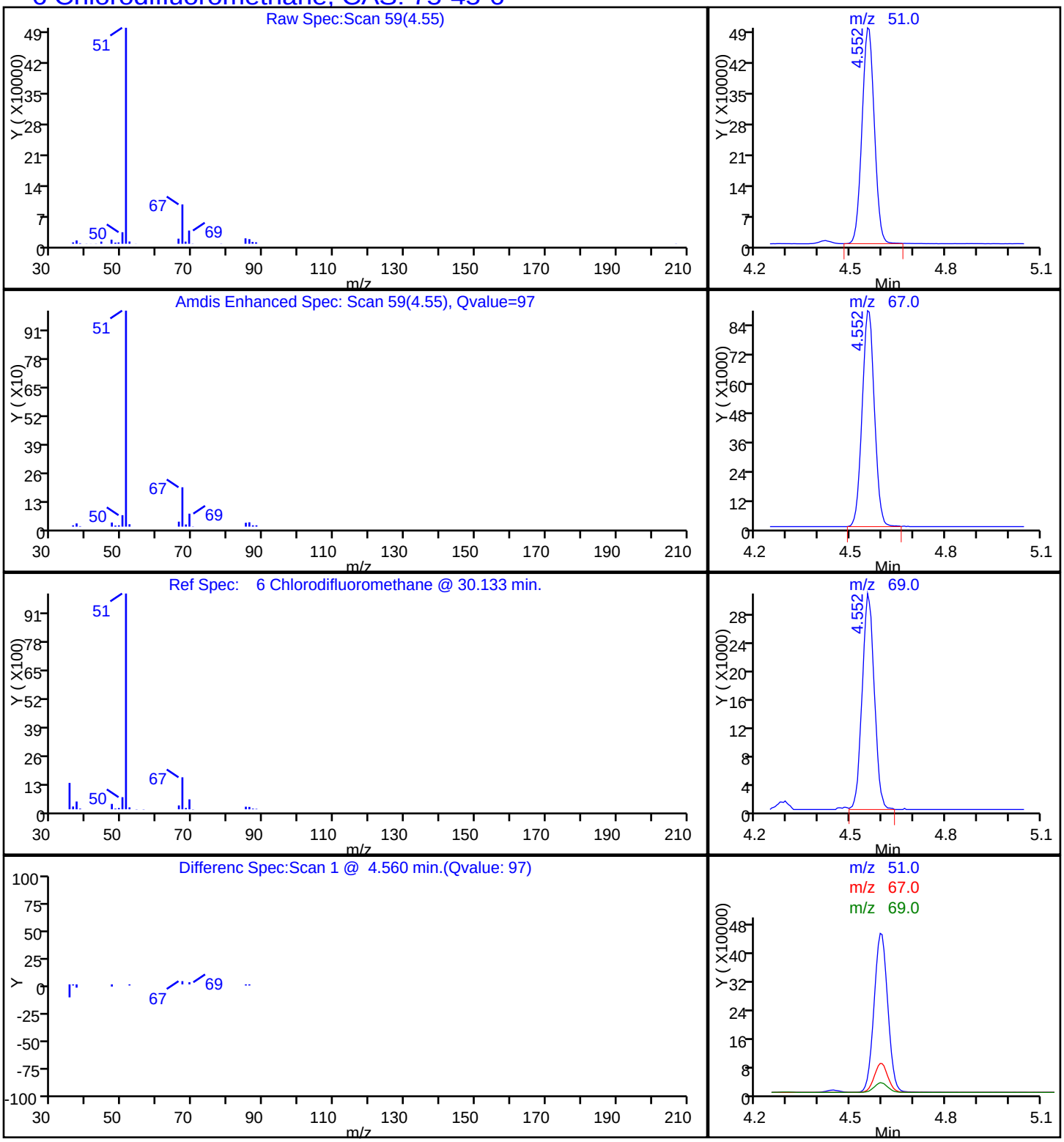
Report Date: 01-Aug-2014 10:24:46 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140731-8801.b\8801_012.d

Injection Date:	31-Jul-2014 20:23:30	Instrument ID:	CHW.i		
Lims ID:	280-58003-A-5	Lab Sample ID:	200-58003-5		
Client ID:	776VMP0101KA				
Operator ID:	BPL	ALS Bottle#:	10	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	1.6000		
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



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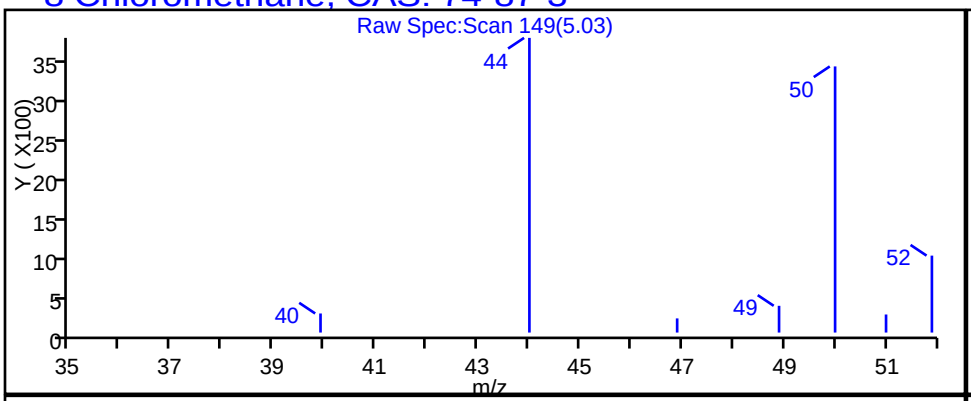
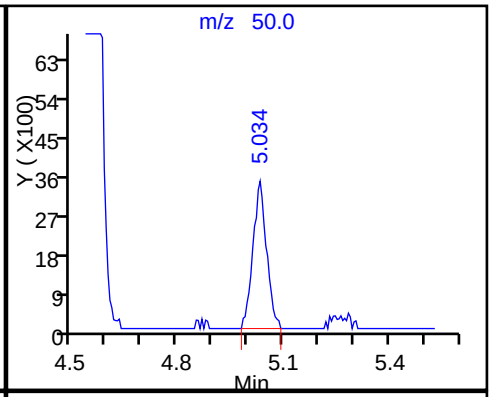
TestAmerica Burlington

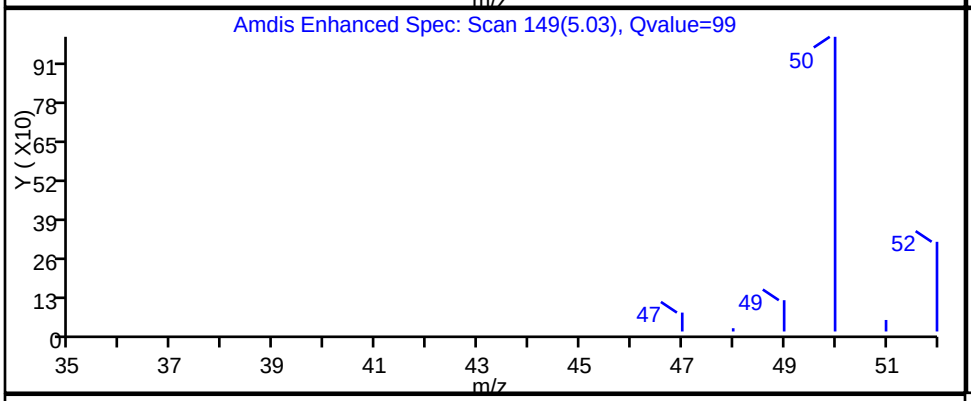
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140731-8801.b\8801_012.d

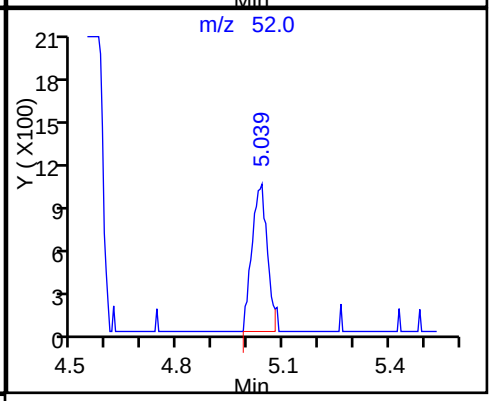
Injection Date:	31-Jul-2014 20:23:30	Instrument ID:	CHW.i		
Lims ID:	280-58003-A-5	Lab Sample ID:	200-58003-5		
Client ID:	776VMP0101KA				
Operator ID:	BPL	ALS Bottle#:	10	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	1.6000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

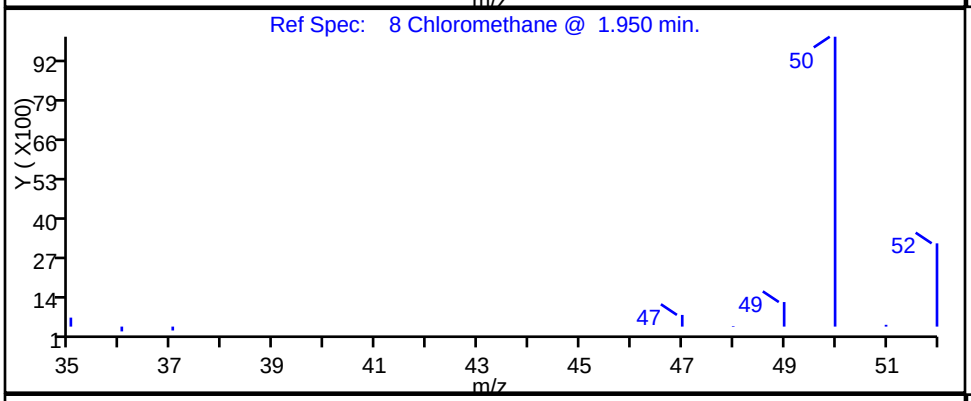
8 Chloromethane, CAS: 74-87-3

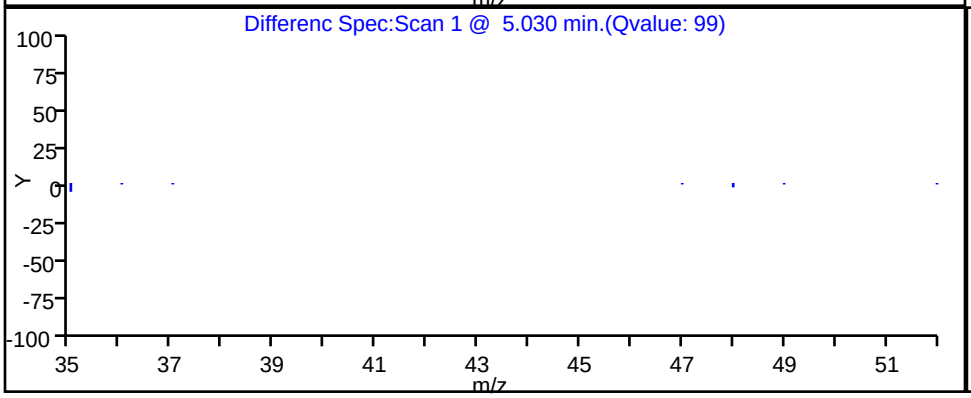


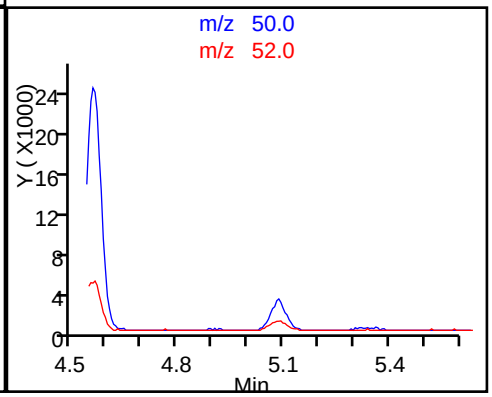












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TestAmerica Burlington

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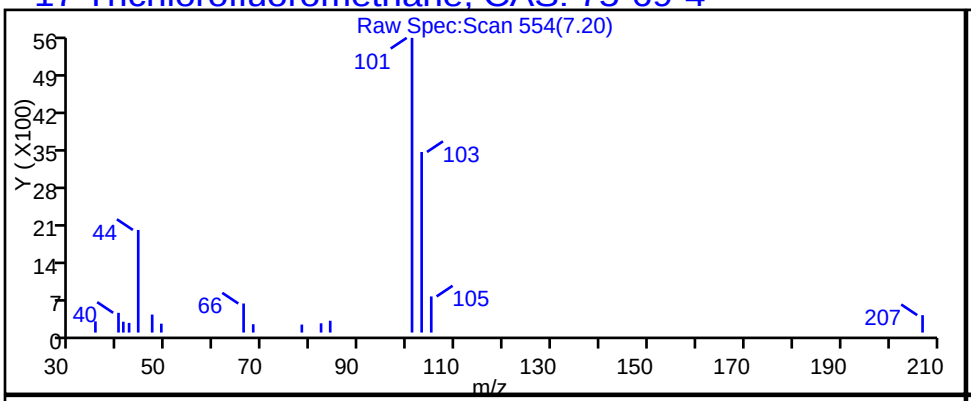
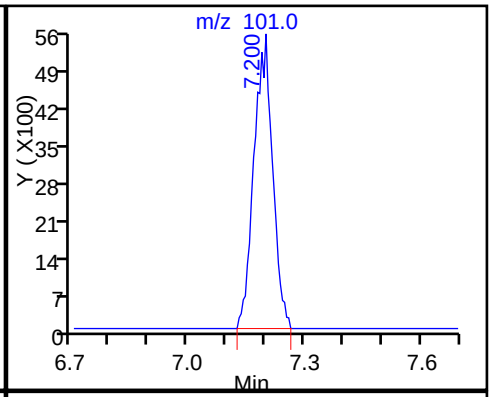
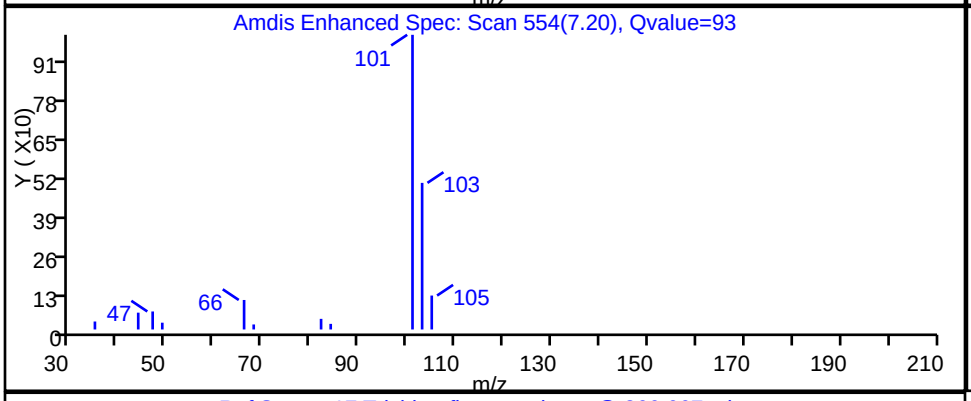
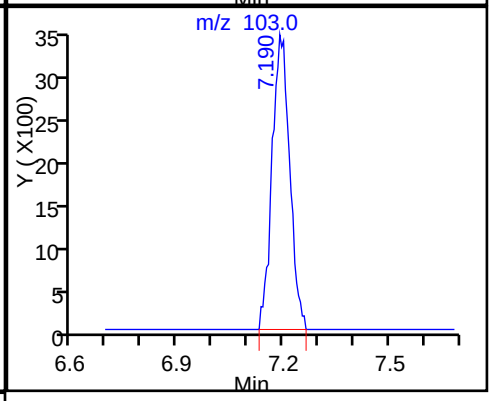
Operator ID:	BPL	ALS Bottle#:	10	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	1.6000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

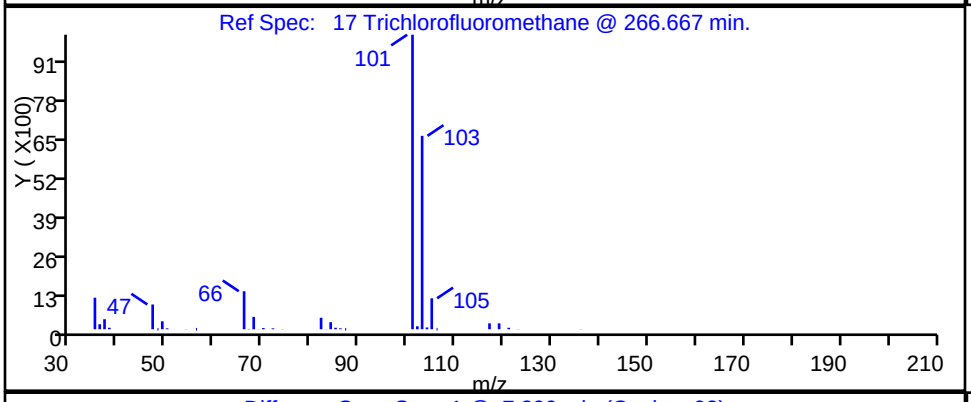
17 Trichlorofluoromethane, CAS: 75-69-4

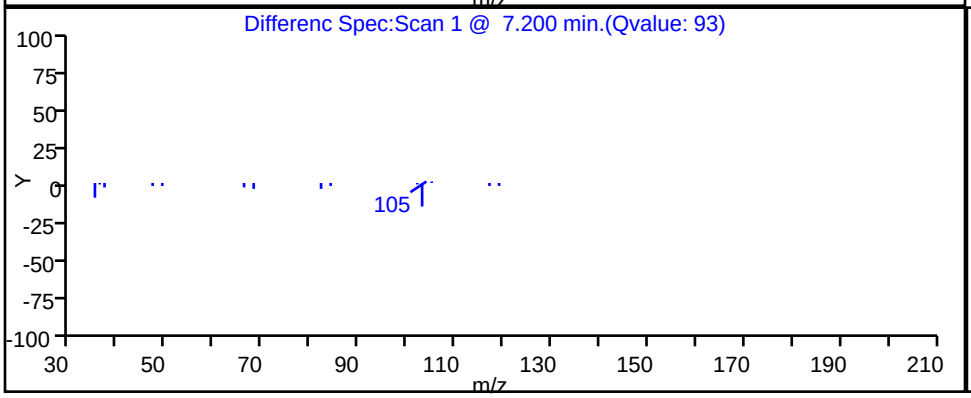


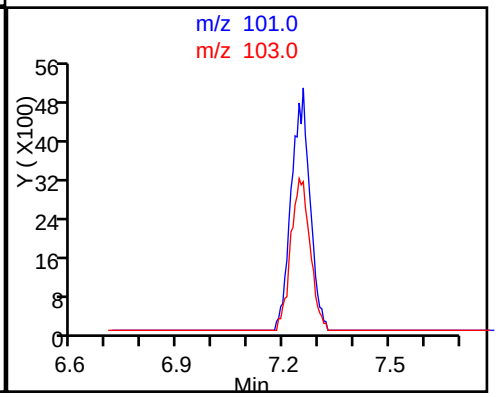












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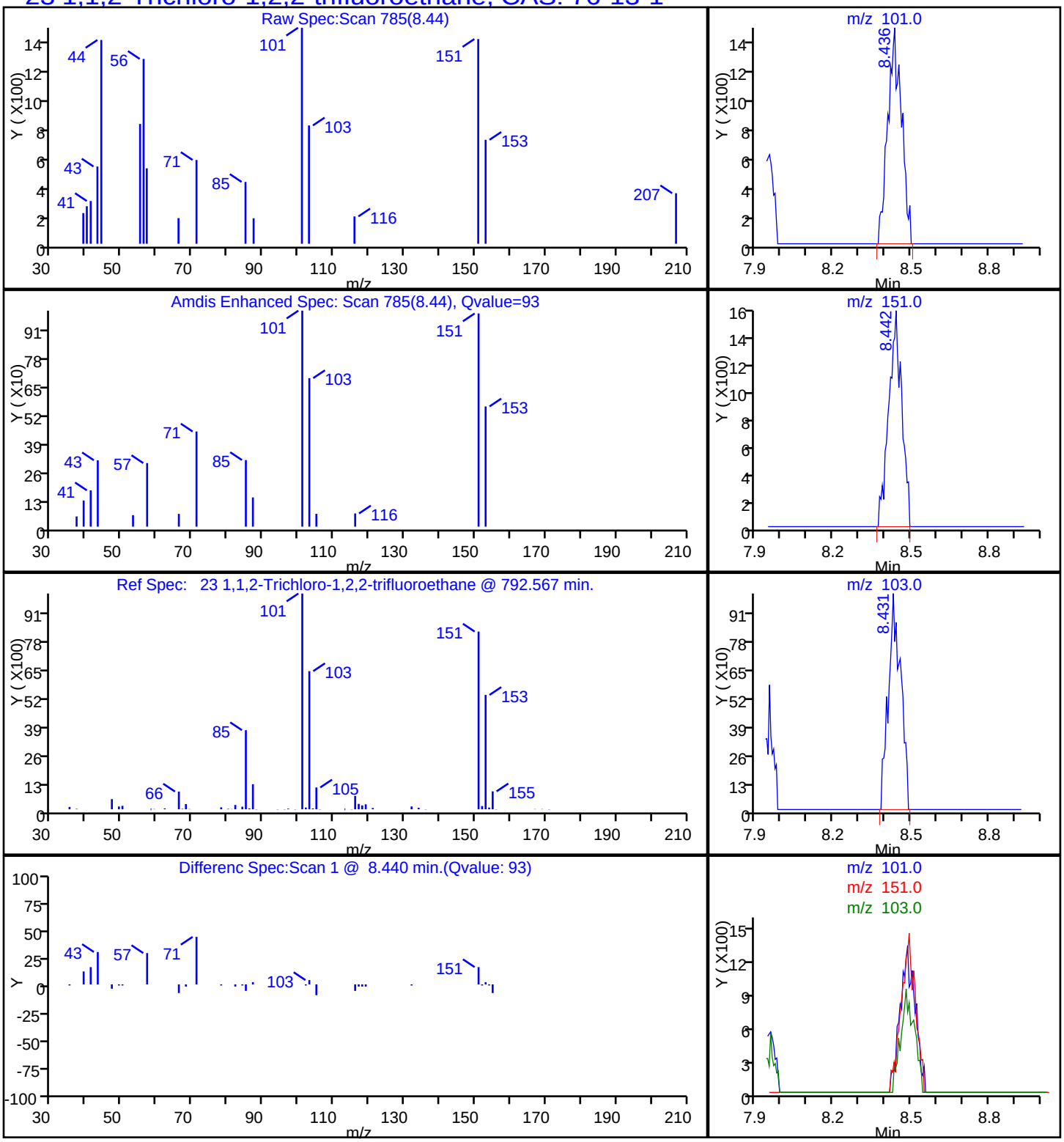
Client ID:	776VMP0101KA				
Operator ID:	BPL	ALS Bottle#:	10	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	1.6000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

23 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1



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Injection Date:	31-Jul-2014 20:23:30	Instrument ID:	CHW.i		
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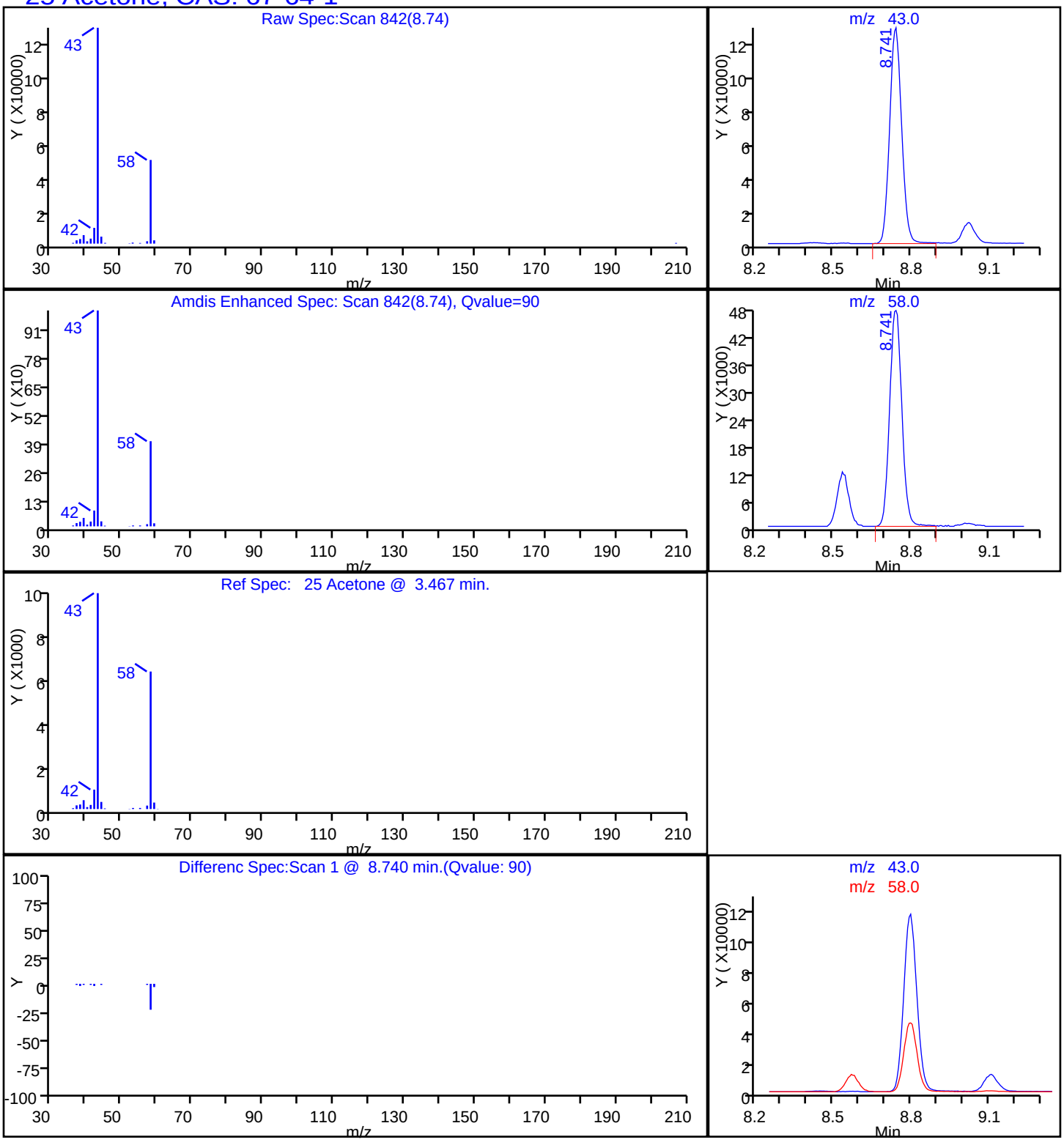
Client ID:	776VMP0101KA				
Operator ID:	BPL	ALS Bottle#:	10	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	1.6000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

25 Acetone, CAS: 67-64-1



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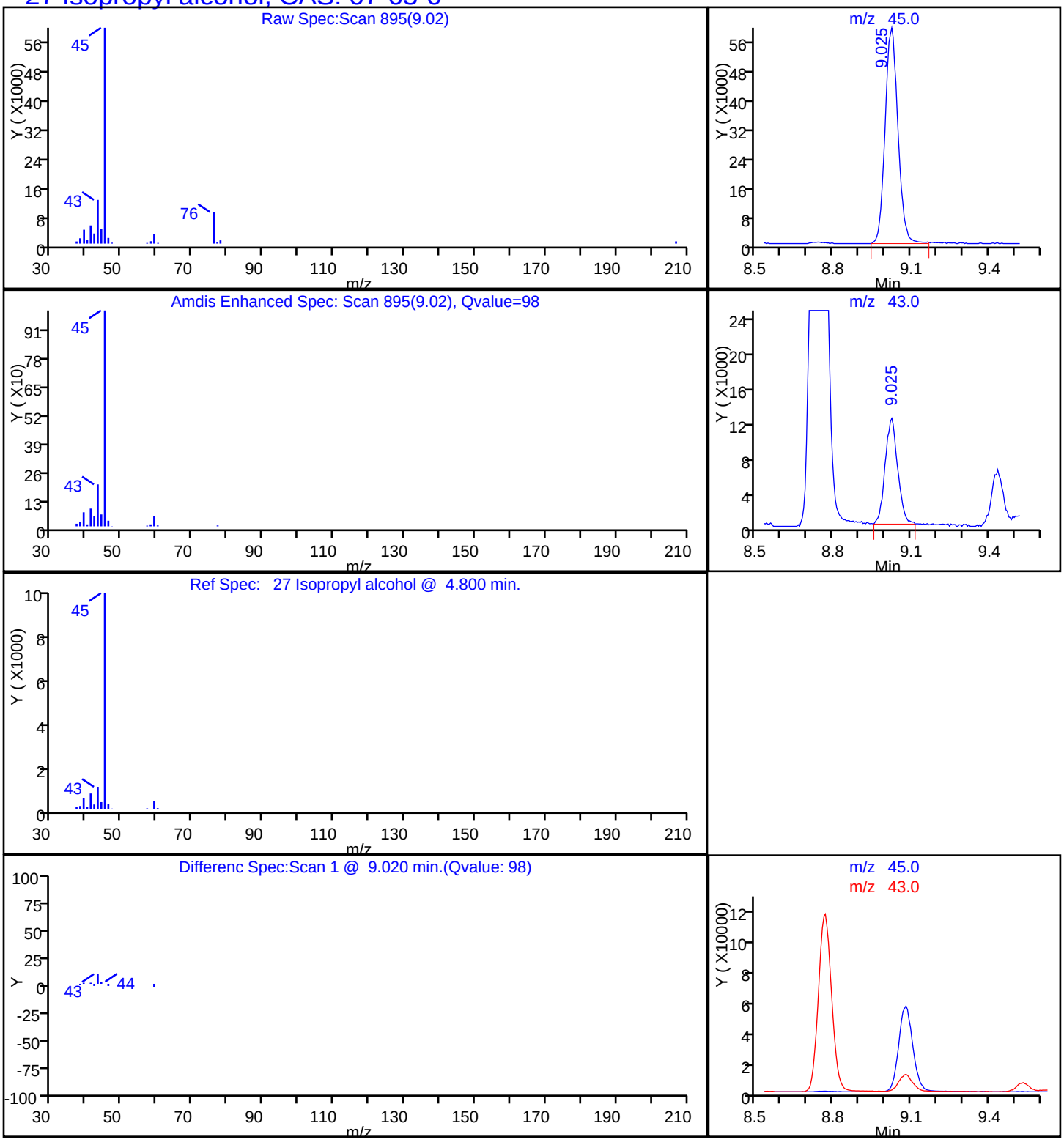
Injection Date:	31-Jul-2014 20:23:30	Instrument ID:	CHW.i		
Lims ID:	280-58003-A-5	Lab Sample ID:	200-58003-5		
Client ID:	776VMP0101KA				
Operator ID:	BPL	ALS Bottle#:	10	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	1.6000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

27 Isopropyl alcohol, CAS: 67-63-0



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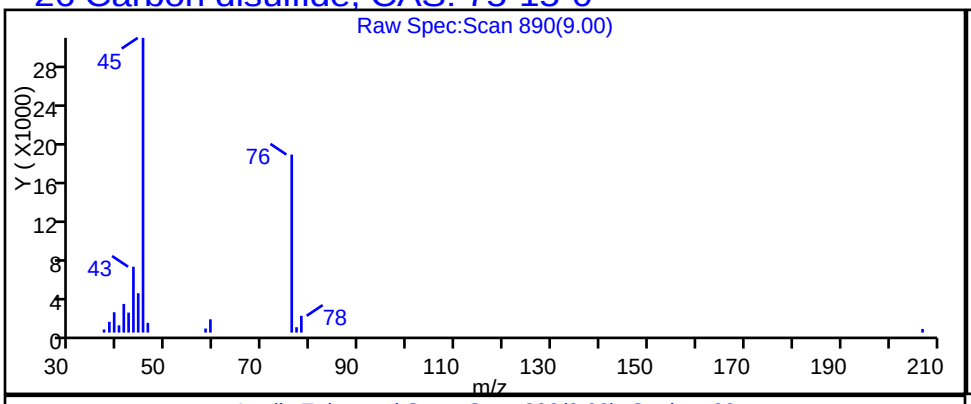
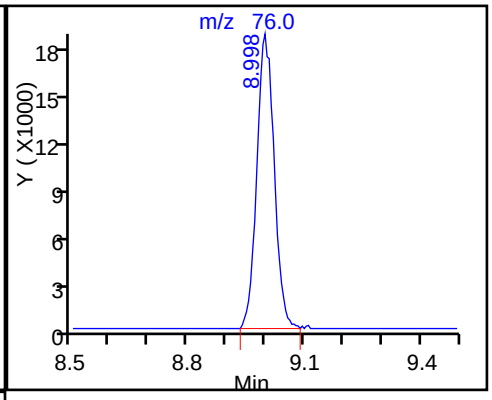
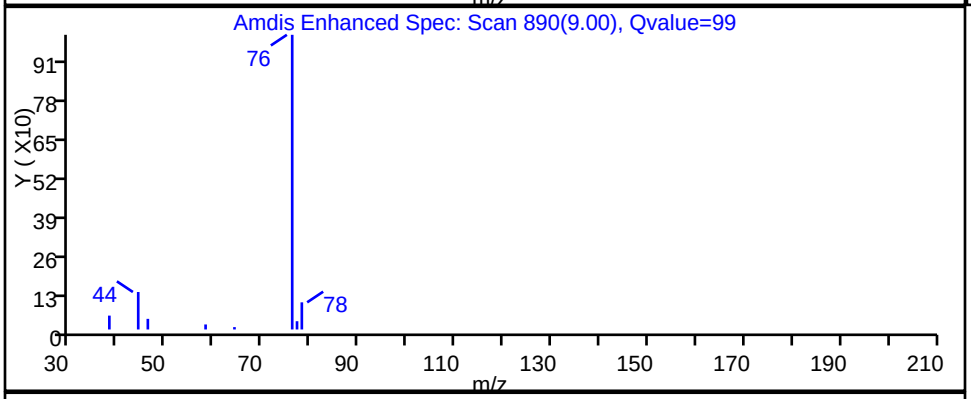
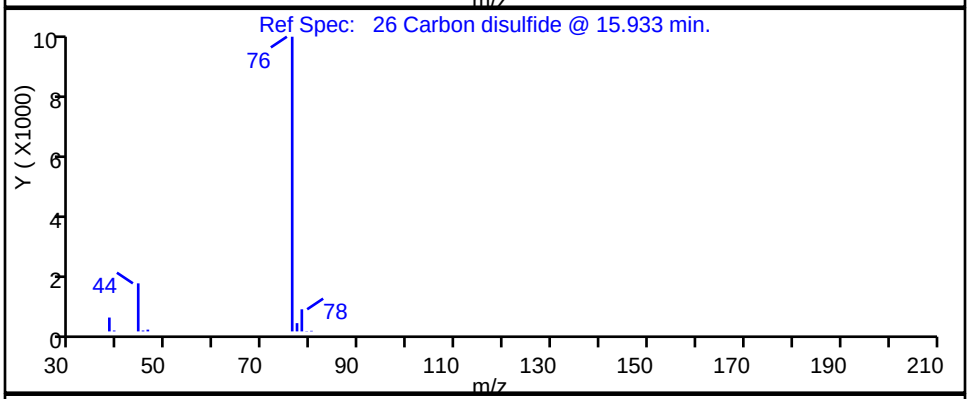
Operator ID:	BPL	ALS Bottle#:	10	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	1.6000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

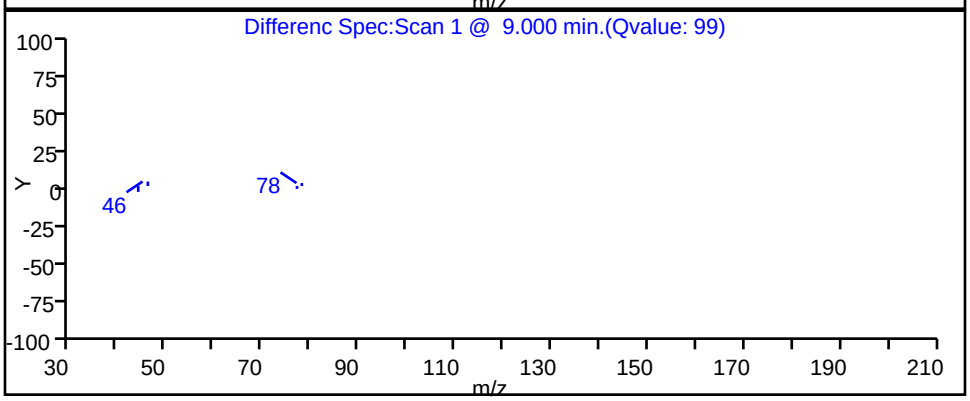
26 Carbon disulfide, CAS: 75-15-0











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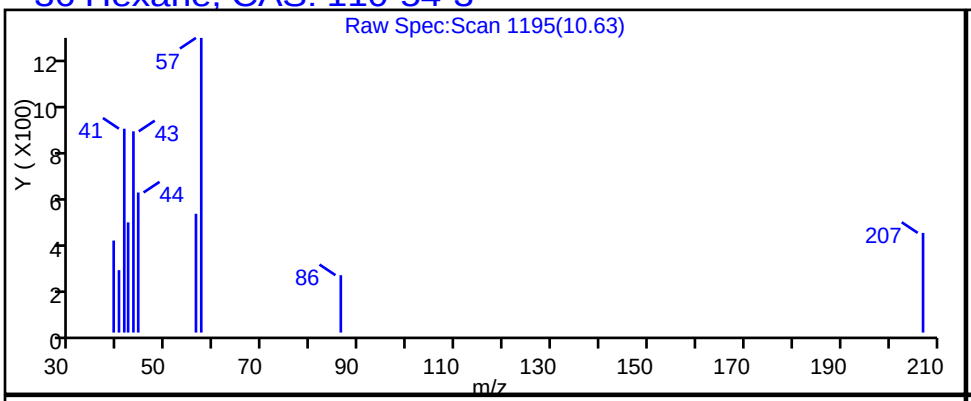
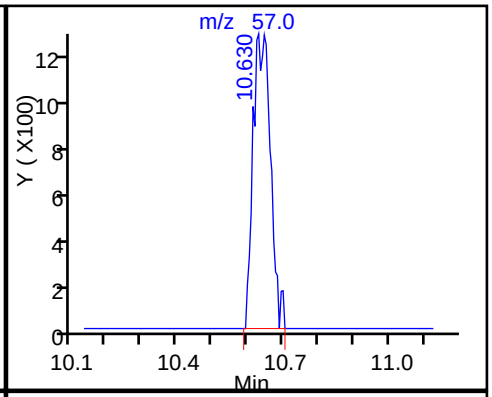
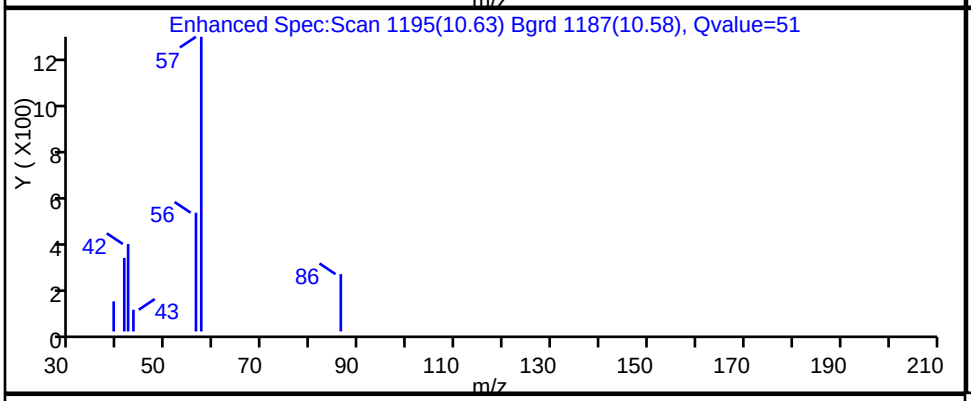
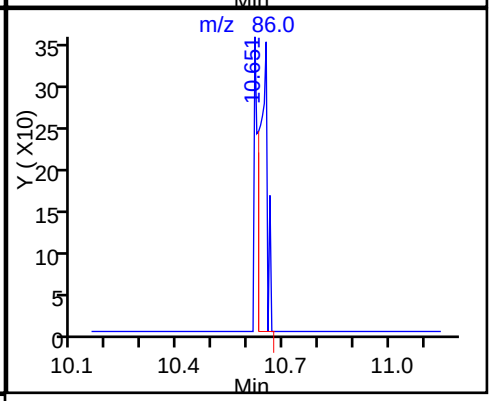
Lims ID:	280-58003-A-5	Lab Sample ID:	200-58003-5		
Client ID:	776VMP0101KA				
Operator ID:	BPL	ALS Bottle#:	10	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	1.6000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

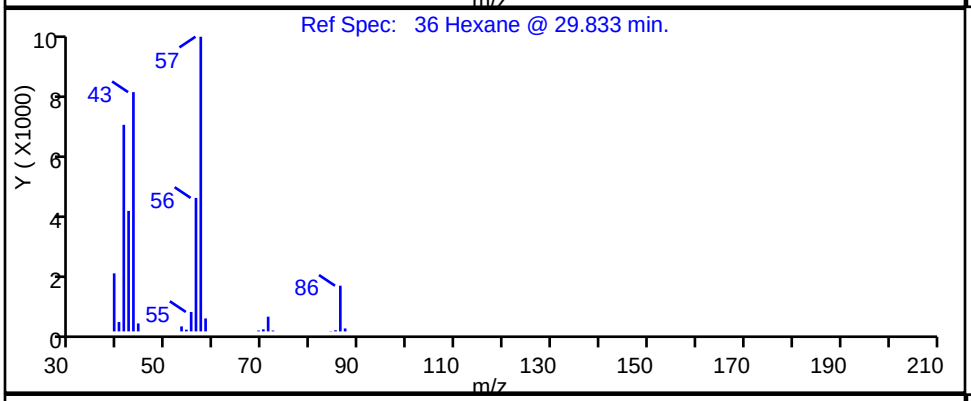
36 Hexane, CAS: 110-54-3

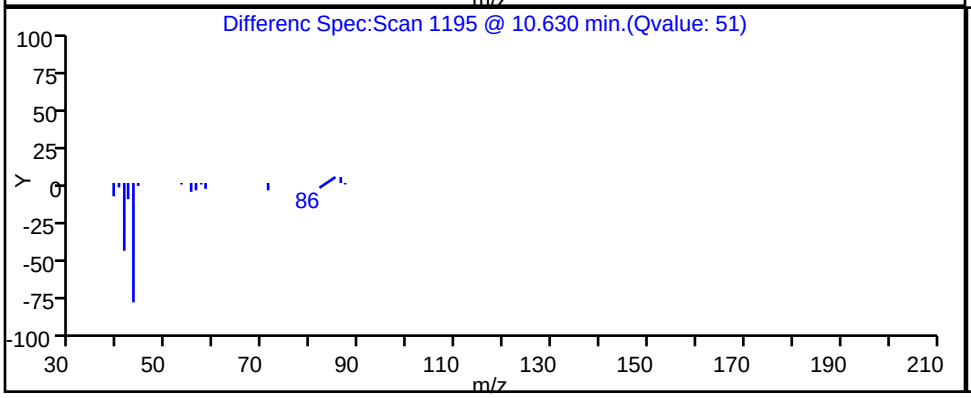


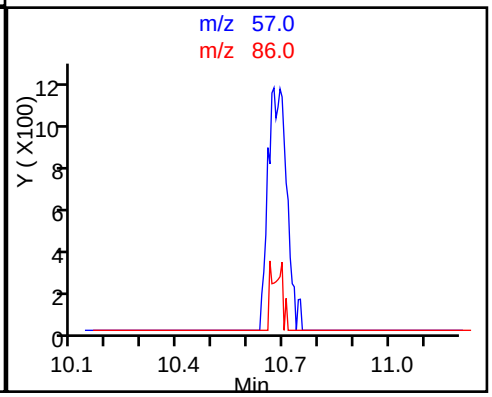












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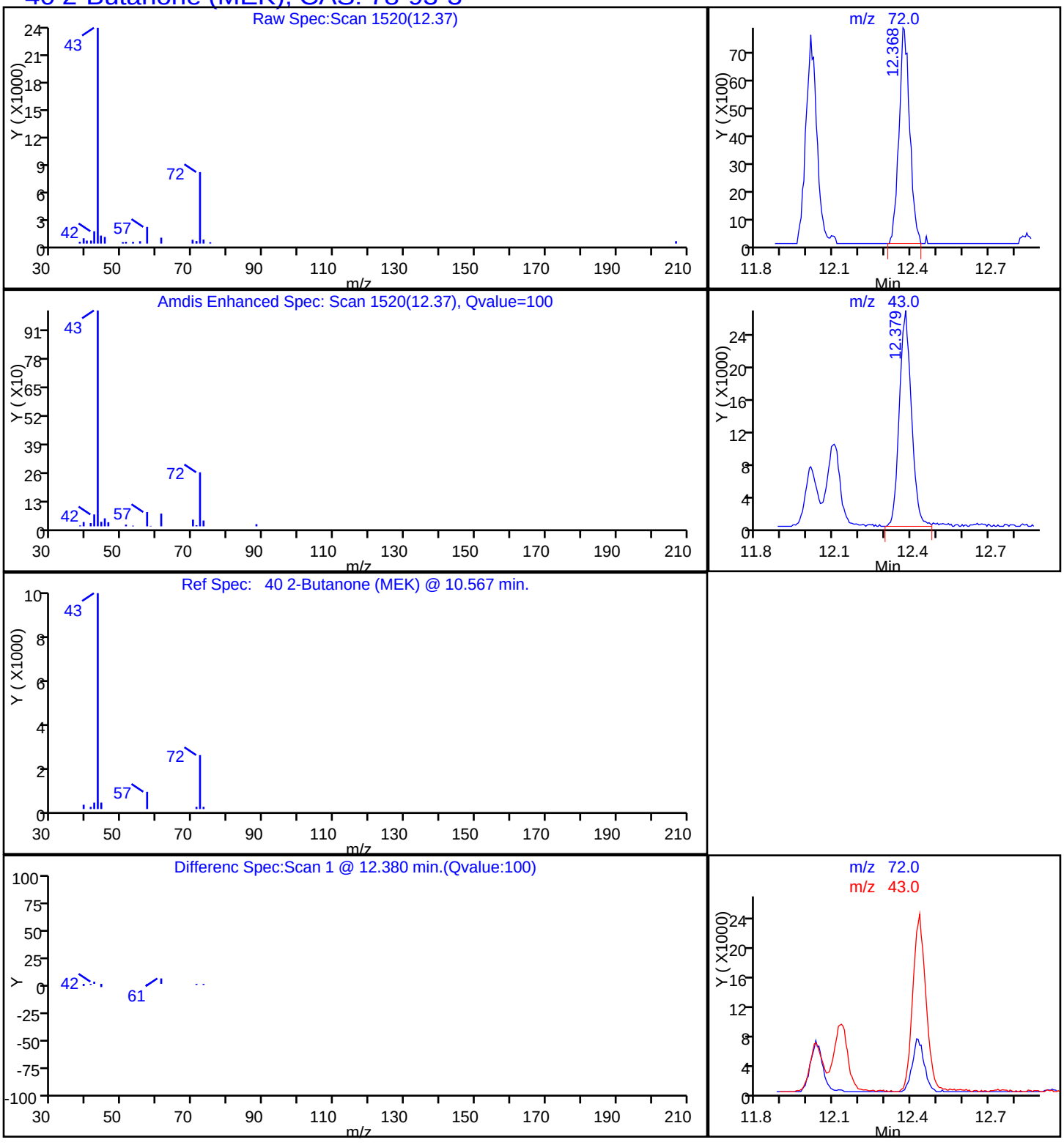
Client ID:	776VMP0101KA		
Operator ID:	BPL	ALS Bottle#:	10 Worklist Smp#: 12
Purge Vol:	200.000 mL	Dil. Factor:	1.6000
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN

40 2-Butanone (MEK), CAS: 78-93-3



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Injection Date:	31-Jul-2014 20:23:30	Instrument ID:	CHW.i		
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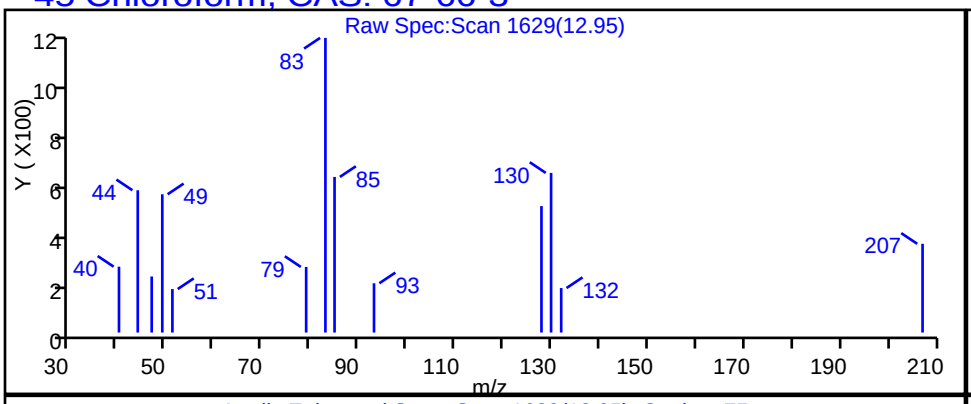
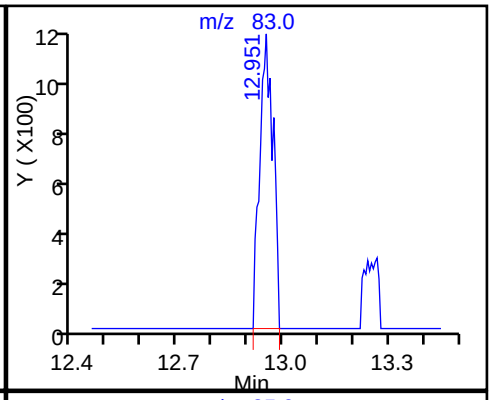
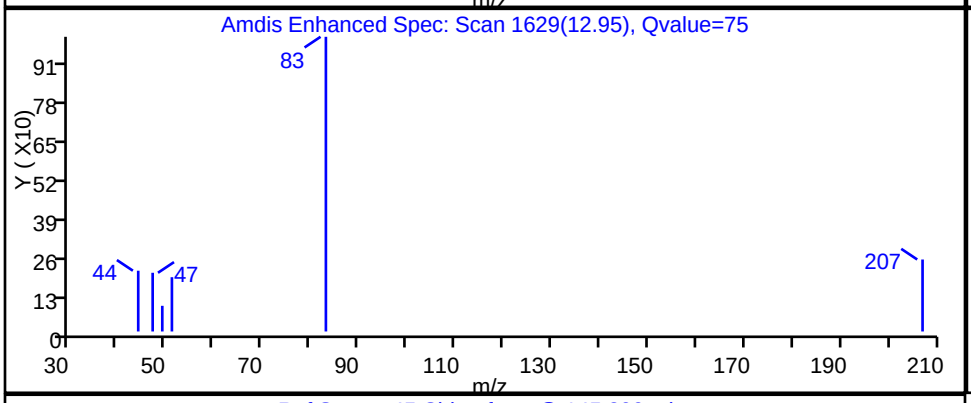
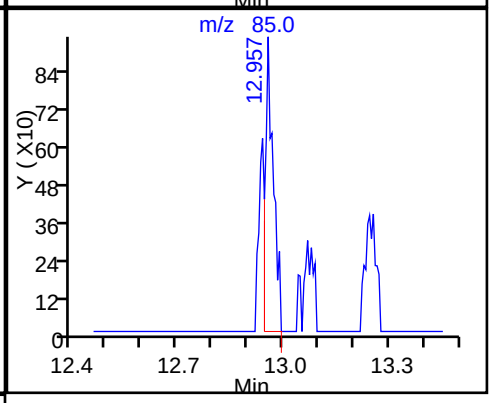
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

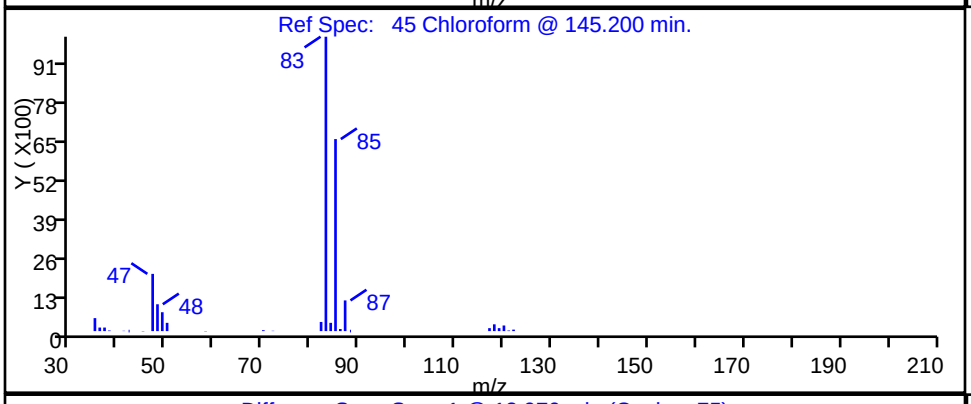
45 Chloroform, CAS: 67-66-3

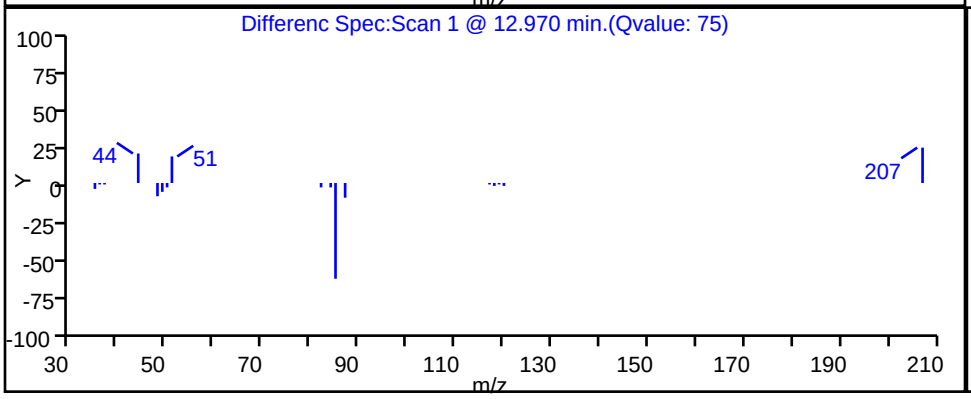


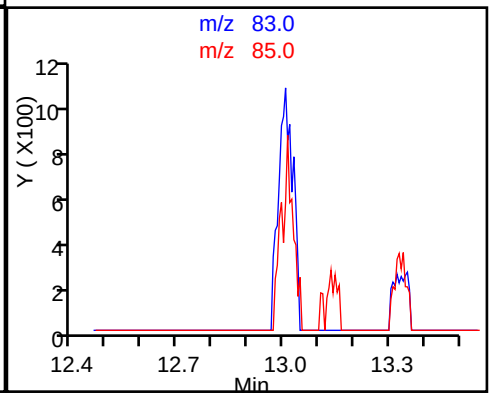












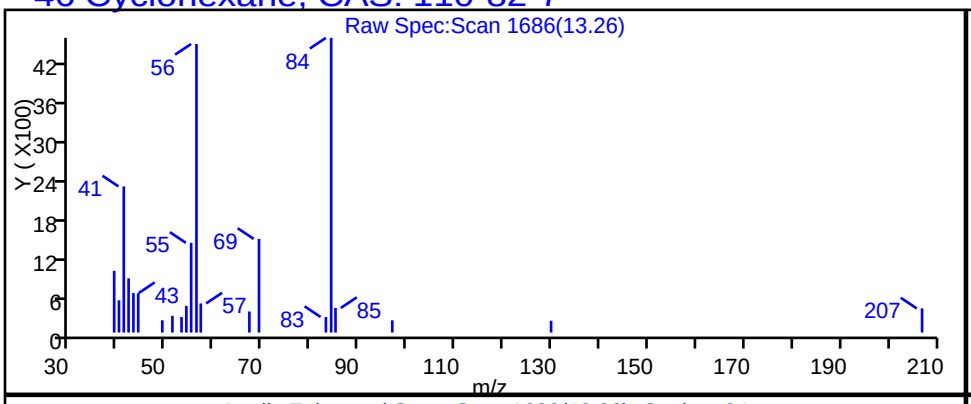
Report Date: 01-Aug-2014 10:24:46 Chrom Revision: 2.2 24-Jun-2014 07:21:42

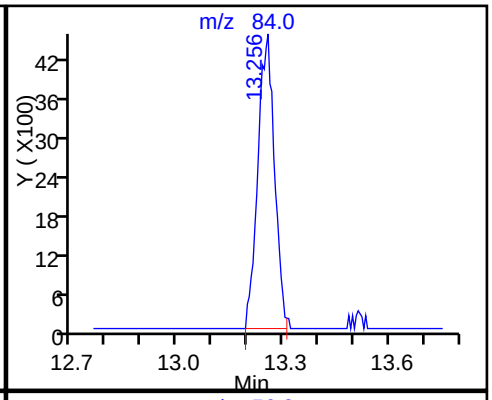
TestAmerica Burlington

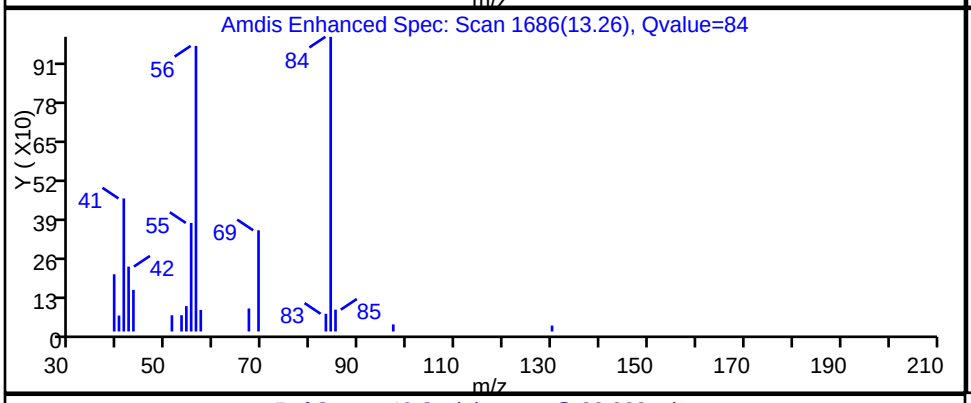
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140731-8801.b\8801_012.d

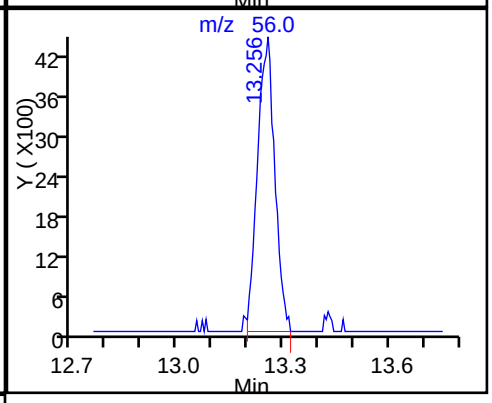
Injection Date:	31-Jul-2014 20:23:30	Instrument ID:	CHW.i
Lims ID:	280-58003-A-5	Lab Sample ID:	200-58003-5
Client ID:	776VMP0101KA		
Operator ID:	BPL	ALS Bottle#:	10 Worklist Smp#: 12
Purge Vol:	200.000 mL	Dil. Factor:	1.6000
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN

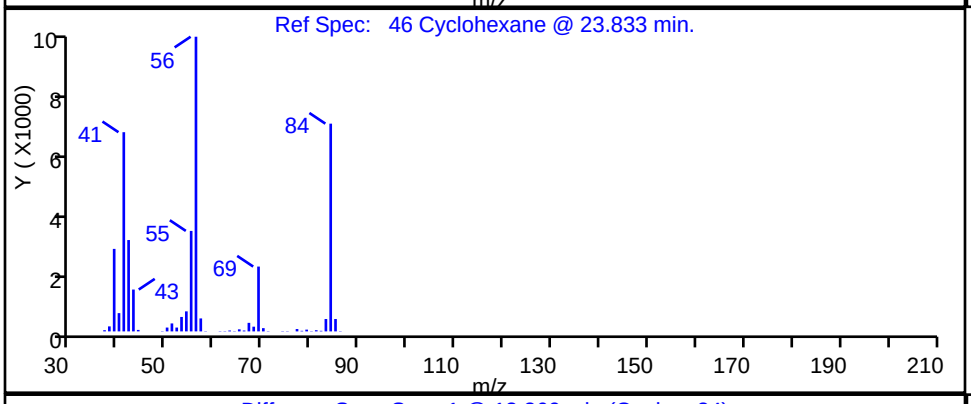
46 Cyclohexane, CAS: 110-82-7

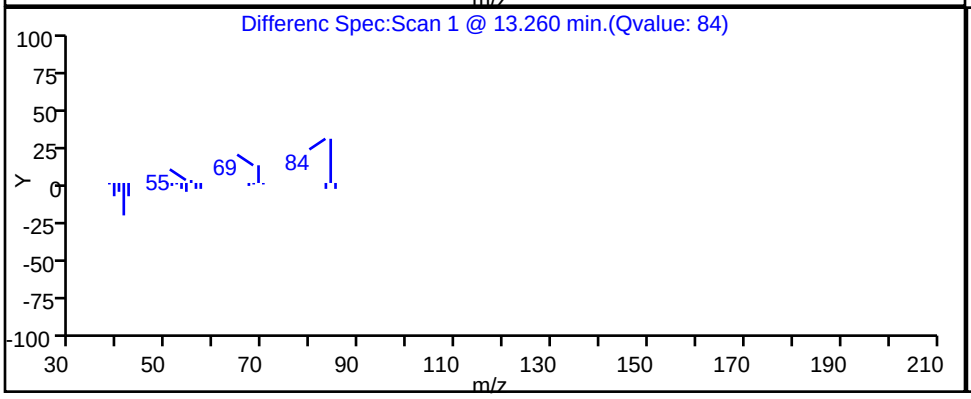


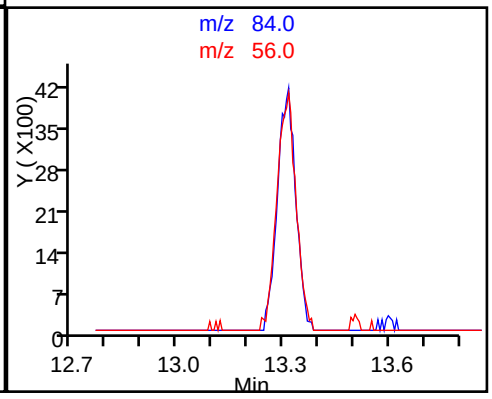








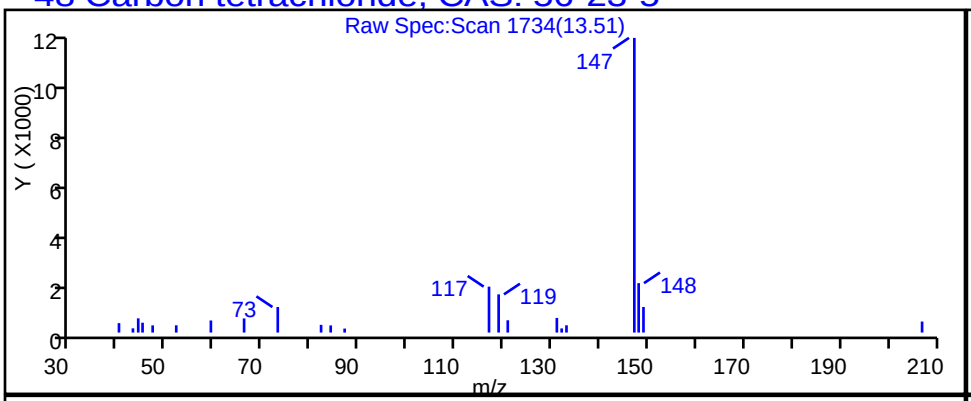


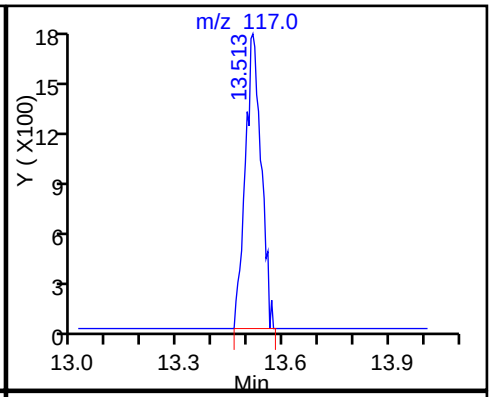


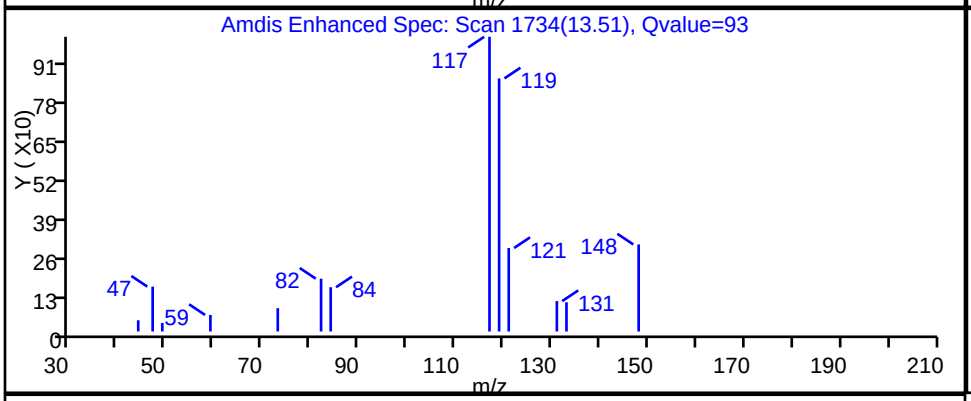
TestAmerica Burlington

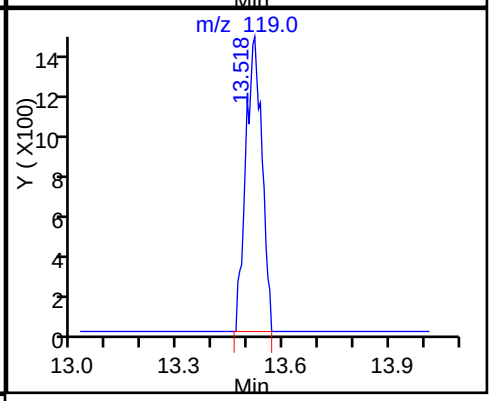
Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140731-8801.b\8801_012.d				
Injection Date:	31-Jul-2014 20:23:30	Instrument ID:	CHW.i		
Lims ID:	280-58003-A-5	Lab Sample ID:	200-58003-5		
Client ID:	776VMP0101KA				
Operator ID:	BPL	ALS Bottle#:	10	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	1.6000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

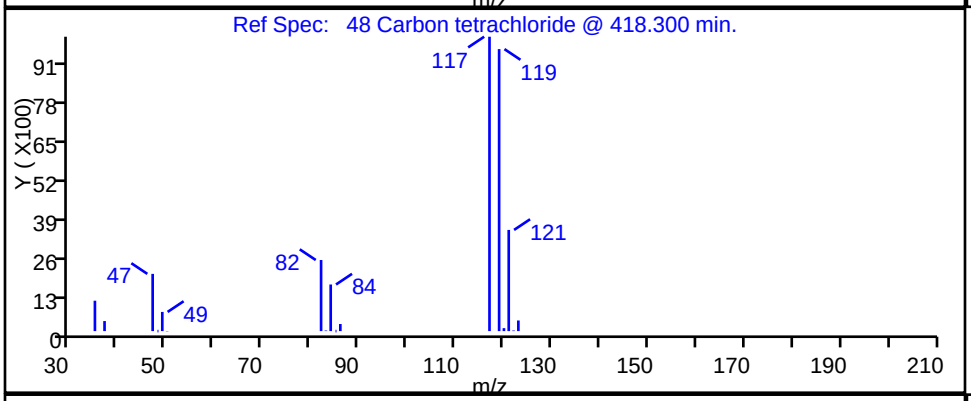
48 Carbon tetrachloride, CAS: 56-23-5

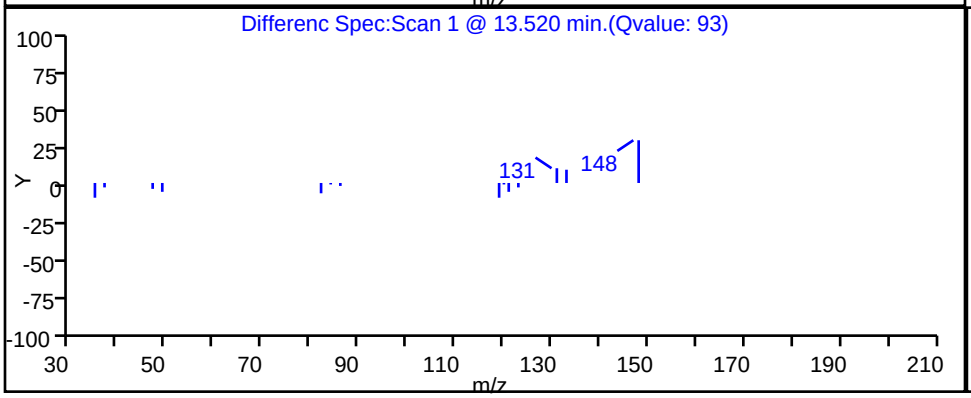


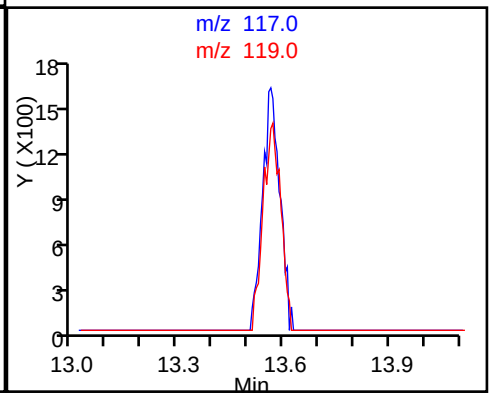












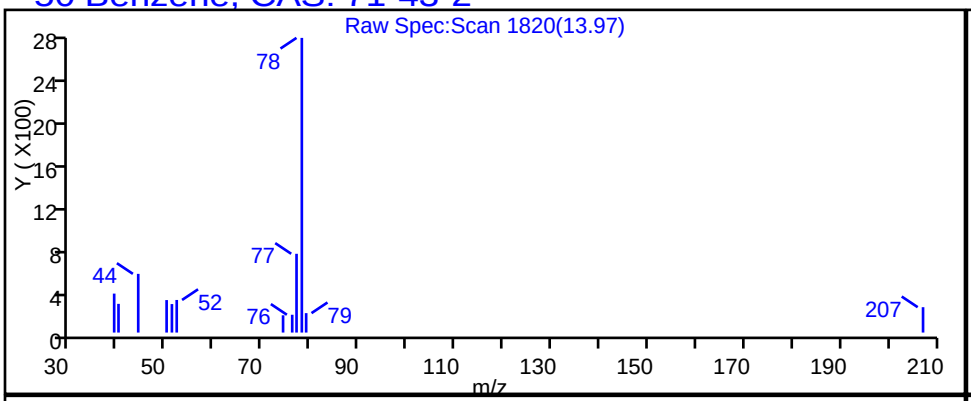
Report Date: 01-Aug-2014 10:24:46 Chrom Revision: 2.2 24-Jun-2014 07:21:42

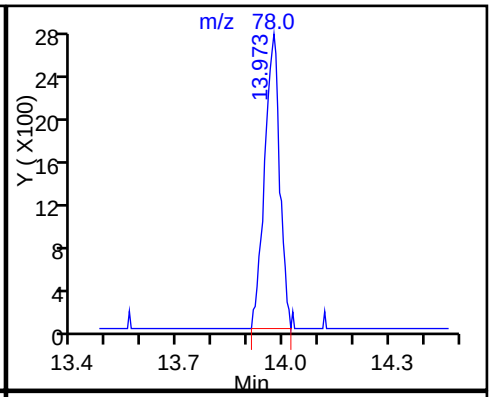
TestAmerica Burlington

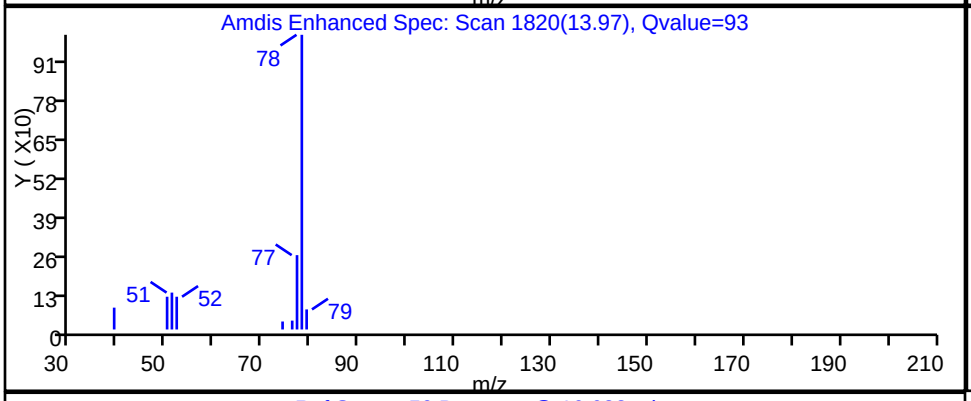
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140731-8801.b\8801_012.d

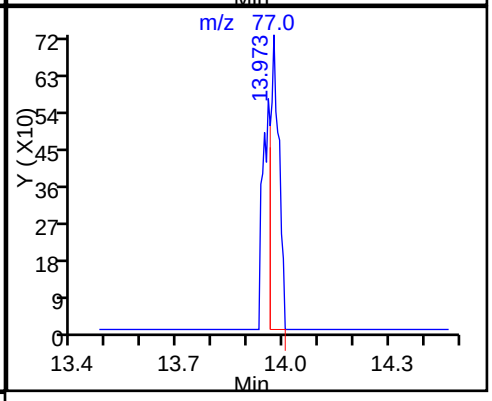
Injection Date:	31-Jul-2014 20:23:30	Instrument ID:	CHW.i
Lims ID:	280-58003-A-5	Lab Sample ID:	200-58003-5
Client ID:	776VMP0101KA		
Operator ID:	BPL	ALS Bottle#:	10 Worklist Smp#: 12
Purge Vol:	200.000 mL	Dil. Factor:	1.6000
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN

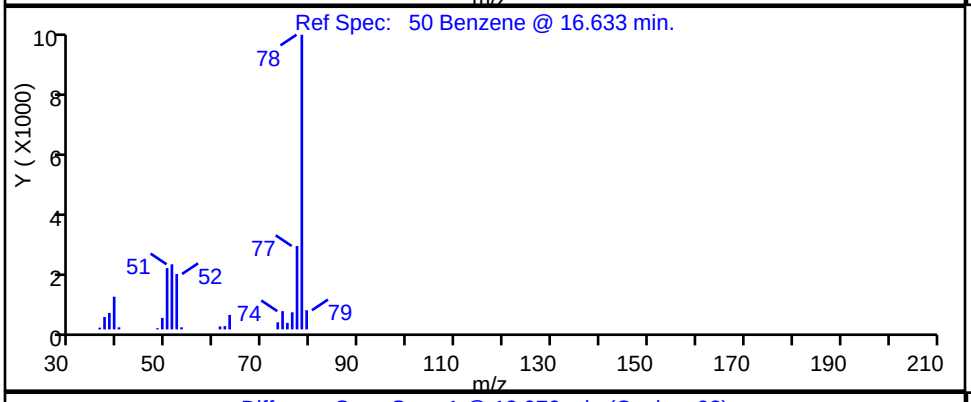
50 Benzene, CAS: 71-43-2

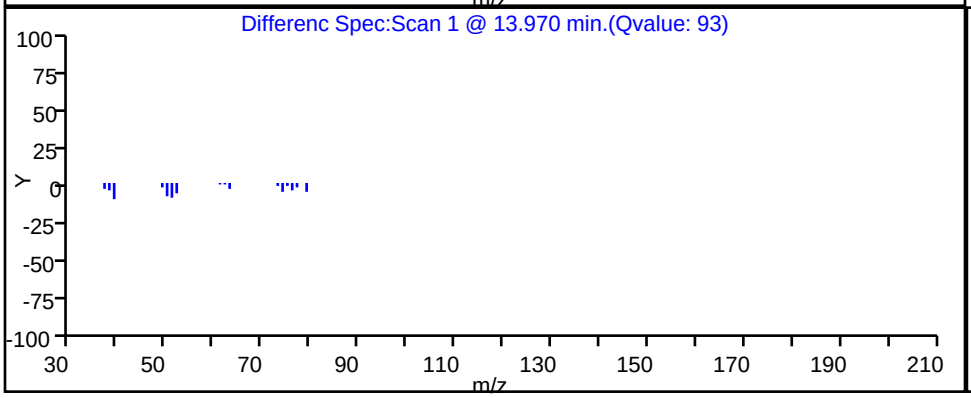


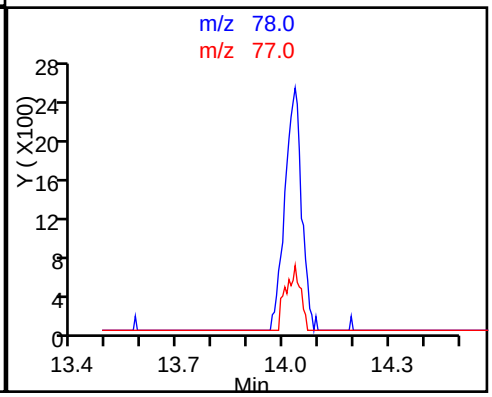












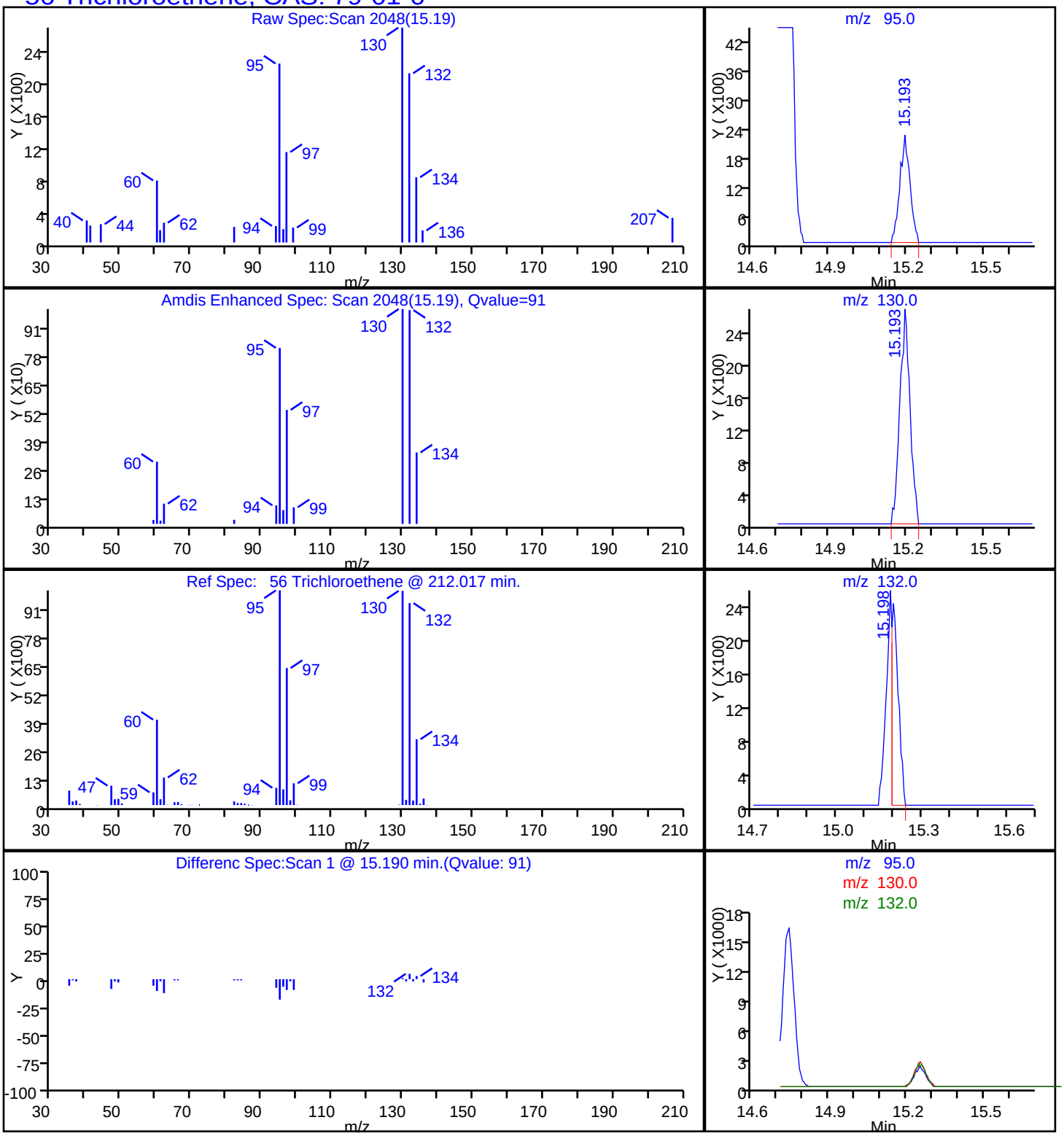
Report Date: 01-Aug-2014 10:24:47 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140731-8801.b\8801_012.d

Injection Date:	31-Jul-2014 20:23:30	Instrument ID:	CHW.i		
Lims ID:	280-58003-A-5	Lab Sample ID:	200-58003-5		
Client ID:	776VMP0101KA				
Operator ID:	BPL	ALS Bottle#:	10	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	1.6000		
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



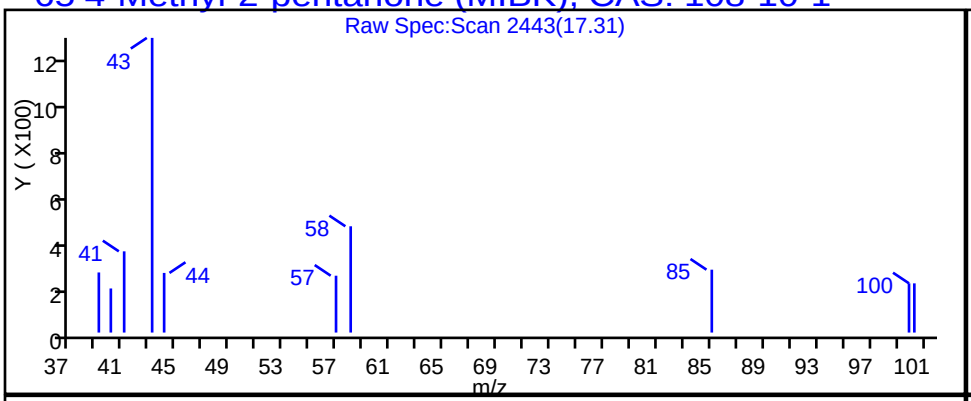
Report Date: 01-Aug-2014 10:24:47 Chrom Revision: 2.2 24-Jun-2014 07:21:42

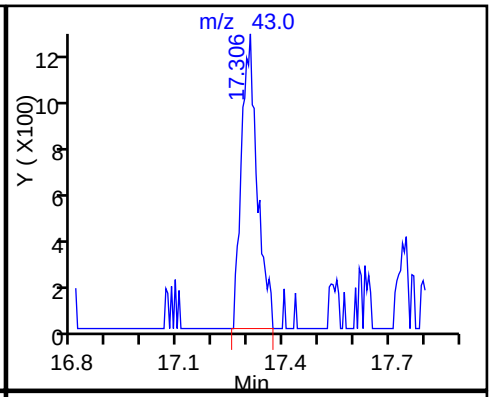
TestAmerica Burlington

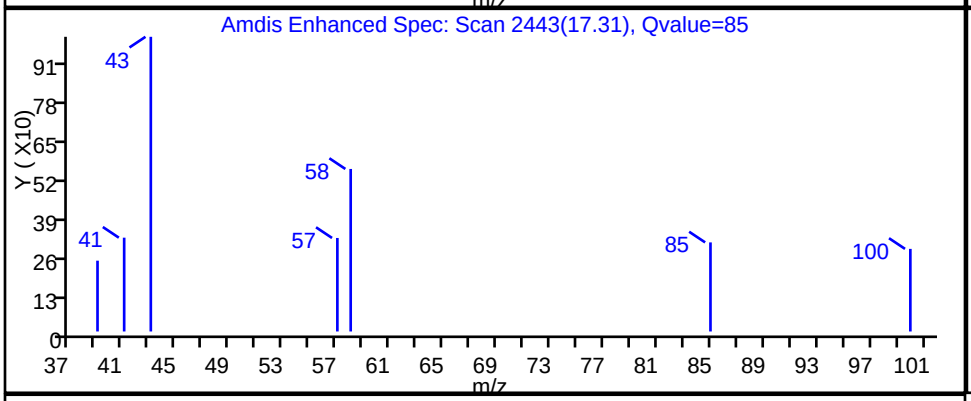
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140731-8801.b\8801_012.d

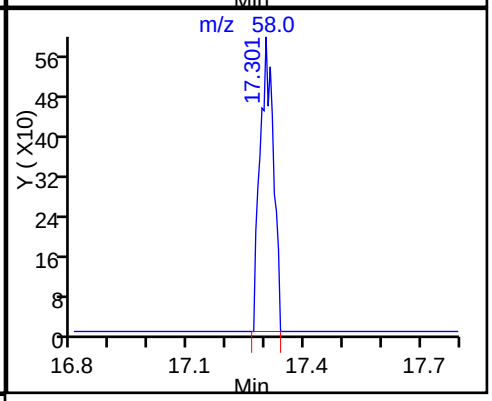
Injection Date:	31-Jul-2014 20:23:30	Instrument ID:	CHW.i
Lims ID:	280-58003-A-5	Lab Sample ID:	200-58003-5
Client ID:	776VMP0101KA		
Operator ID:	BPL	ALS Bottle#:	10 Worklist Smp#: 12
Purge Vol:	200.000 mL	Dil. Factor:	1.6000
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN

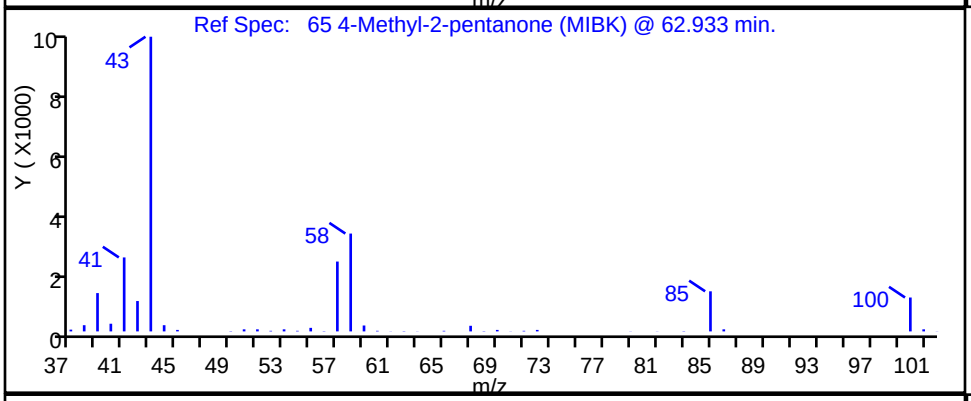
65 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

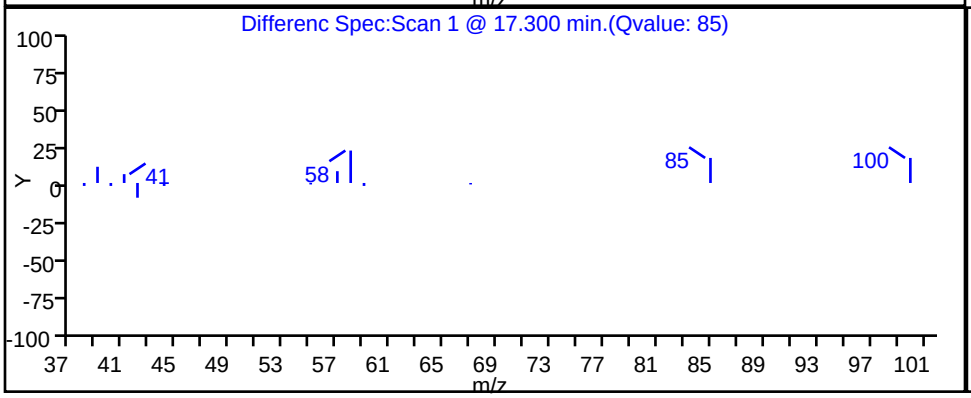


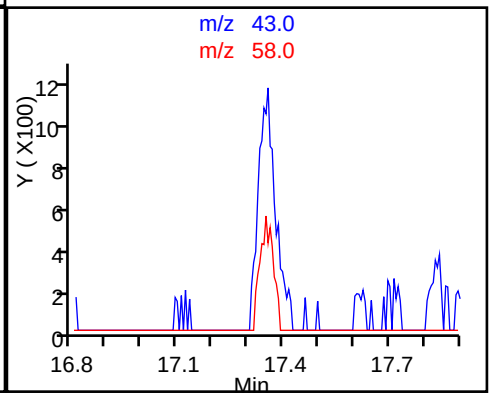












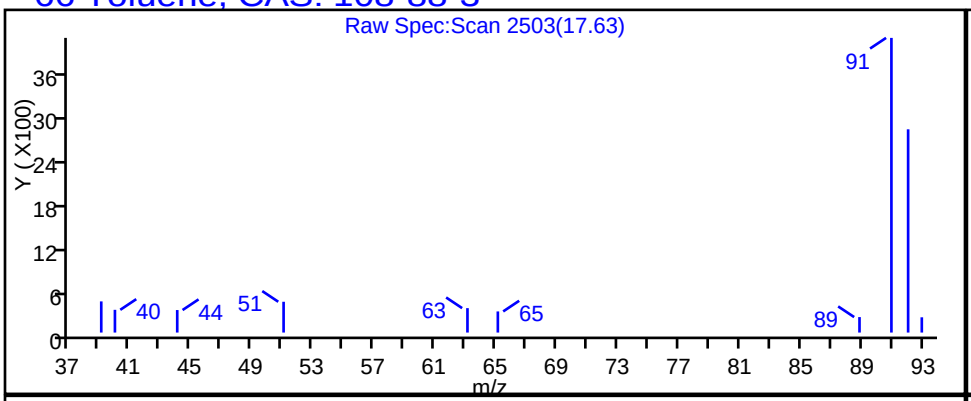
Report Date: 01-Aug-2014 10:24:47 Chrom Revision: 2.2 24-Jun-2014 07:21:42

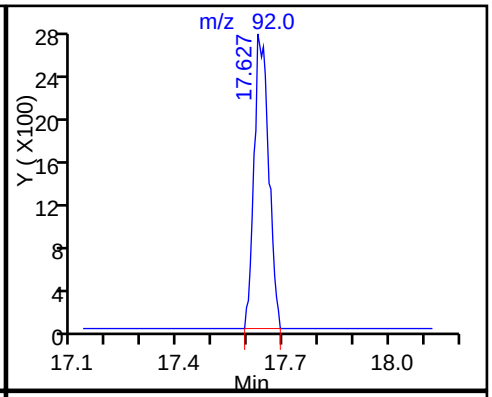
TestAmerica Burlington

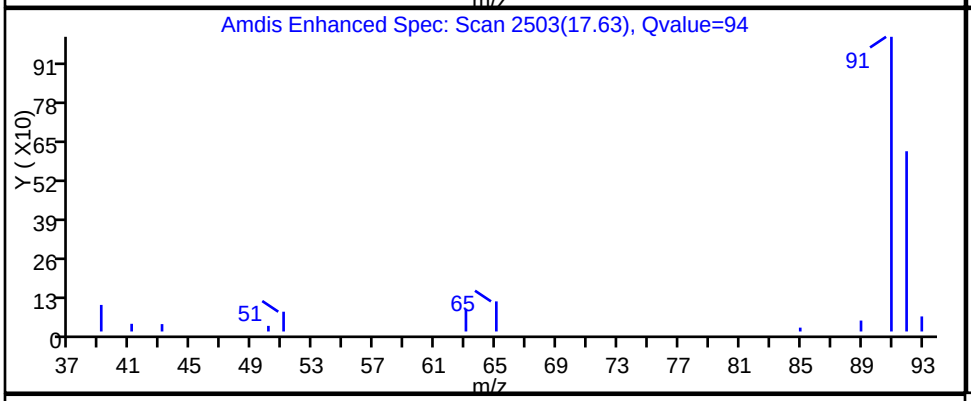
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140731-8801.b\8801_012.d

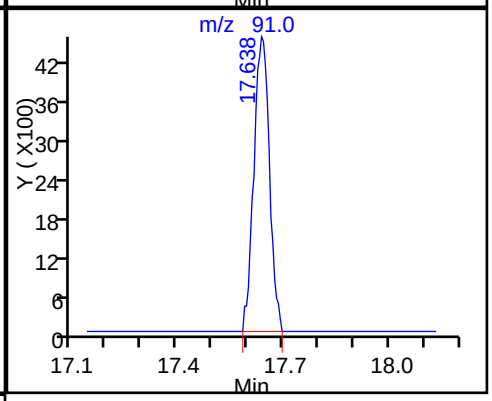
Injection Date:	31-Jul-2014 20:23:30	Instrument ID:	CHW.i		
Lims ID:	280-58003-A-5	Lab Sample ID:	200-58003-5		
Client ID:	776VMP0101KA				
Operator ID:	BPL	ALS Bottle#:	10	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	1.6000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

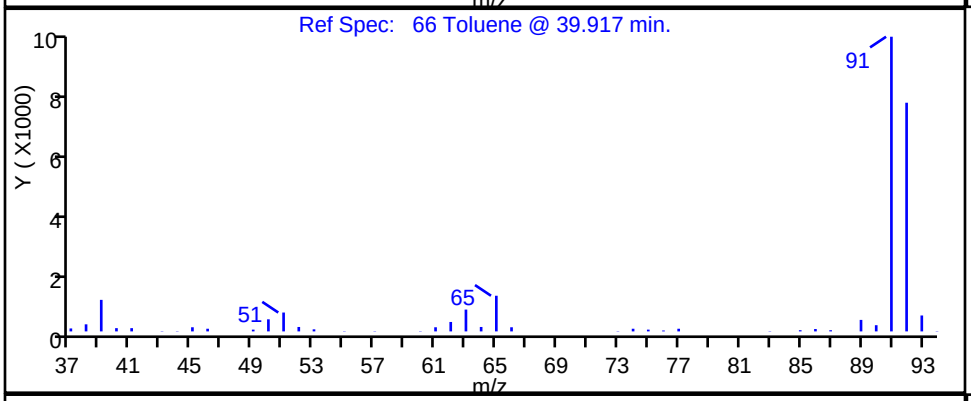
66 Toluene, CAS: 108-88-3

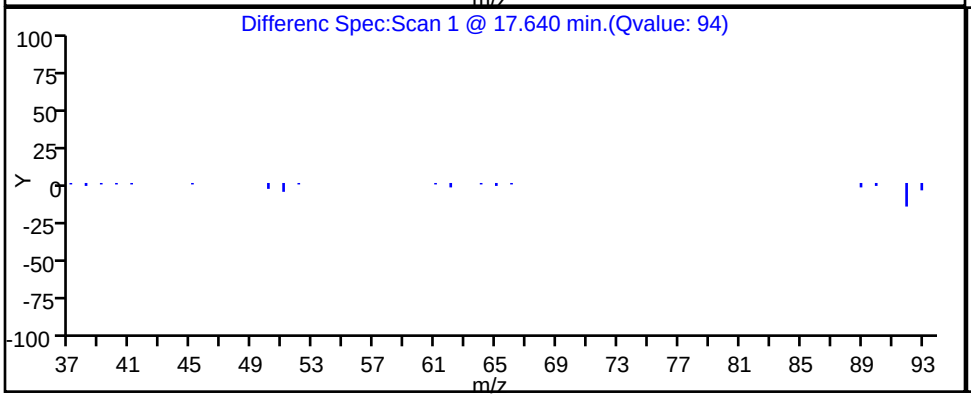


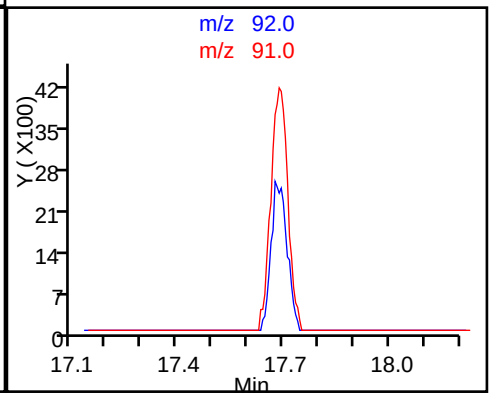












FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Client Sample ID: 776VMP0201KA Lab Sample ID: 280-58003-6

Matrix: Air Lab File ID: 8801_013.d

Analysis Method: TO-15 Date Collected: 07/17/2014 11:50

Sample wt/vol: 100(mL) Date Analyzed: 07/31/2014 21:11

Soil Aliquot Vol: Dilution Factor: 2

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75517 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	0.60	J D	1.0	0.060
75-45-6	Freon 22	86.47	48	D	1.0	0.096
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.16	U	0.40	0.070
74-87-3	Chloromethane	50.49	0.61	J D	1.0	0.27
106-97-8	n-Butane	58.12	0.67	J D	1.0	0.56
75-01-4	Vinyl chloride	62.50	0.16	U	0.40	0.076
106-99-0	1,3-Butadiene	54.09	0.16	U	0.40	0.084
74-83-9	Bromomethane	94.94	0.16	U	0.40	0.056
75-00-3	Chloroethane	64.52	0.16	U	1.0	0.060
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.16	U	0.40	0.060
75-69-4	Trichlorofluoromethane	137.37	0.26	J D	0.40	0.060
76-13-1	Freon TF	187.38	0.097	J D	0.40	0.036
75-35-4	1,1-Dichloroethene	96.94	0.16	U	0.40	0.048
67-64-1	Acetone	58.08	13	D	10	2.5
67-63-0	Isopropyl alcohol	60.10	19	D	10	0.43
75-15-0	Carbon disulfide	76.14	0.40	U	1.0	0.13
107-05-1	3-Chloropropene	76.53	0.16	U	1.0	0.068
75-09-2	Methylene Chloride	84.93	0.40	U	1.0	0.25
75-65-0	tert-Butyl alcohol	74.12	1.5	J D	10	0.66
1634-04-4	Methyl tert-butyl ether	88.15	0.091	J D	0.40	0.044
156-60-5	trans-1,2-Dichloroethene	96.94	0.16	U	0.40	0.058
110-54-3	n-Hexane	86.17	0.21	J D	0.40	0.068
75-34-3	1,1-Dichloroethane	98.96	0.16	U	0.40	0.076
78-93-3	Methyl Ethyl Ketone	72.11	1.6	D	1.0	0.48
156-59-2	cis-1,2-Dichloroethene	96.94	0.16	U	0.40	0.076
540-59-0	1,2-Dichloroethene, Total	96.94	0.16	U	0.40	0.13
67-66-3	Chloroform	119.38	0.062	J D	0.40	0.050
109-99-9	Tetrahydrofuran	72.11	0.16	U	10	0.092
71-55-6	1,1,1-Trichloroethane	133.41	0.16	U	0.40	0.042
110-82-7	Cyclohexane	84.16	0.34	J D M	0.40	0.050
56-23-5	Carbon tetrachloride	153.81	0.16	U	0.40	0.042
540-84-1	2,2,4-Trimethylpentane	114.23	0.17	J D	0.40	0.054
71-43-2	Benzene	78.11	0.19	J D	0.40	0.038
107-06-2	1,2-Dichloroethane	98.96	0.060	U	0.40	0.034

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

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Client Sample ID: 776VMP0201KA Lab Sample ID: 280-58003-6

Matrix: Air Lab File ID: 8801_013.d

Analysis Method: TO-15 Date Collected: 07/17/2014 11:50

Sample wt/vol: 100(mL) Date Analyzed: 07/31/2014 21:11

Soil Aliquot Vol: Dilution Factor: 2

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75517 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
142-82-5	n-Heptane	100.21	0.16	U	0.40	0.092
79-01-6	Trichloroethene	131.39	0.21	J D	0.40	0.048
80-62-6	Methyl methacrylate	100.12	0.18	J D	1.0	0.060
78-87-5	1,2-Dichloropropane	112.99	0.16	U	0.40	0.064
123-91-1	1,4-Dioxane	88.11	0.40	U	10	0.40
75-27-4	Bromodichloromethane	163.83	0.060	U	0.40	0.034
10061-01-5	cis-1,3-Dichloropropene	110.97	0.16	U	0.40	0.056
108-10-1	methyl isobutyl ketone	100.16	0.23	J D	1.0	0.054
108-88-3	Toluene	92.14	1.3	D	0.40	0.034
10061-02-6	trans-1,3-Dichloropropene	110.97	0.16	U	0.40	0.044
79-00-5	1,1,2-Trichloroethane	133.41	0.060	U	0.40	0.034
127-18-4	Tetrachloroethene	165.83	0.060	U	0.40	0.032
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.40	U	1.0	0.40
124-48-1	Dibromochloromethane	208.29	0.060	U	0.40	0.040
106-93-4	1,2-Dibromoethane	187.87	0.16	U	0.40	0.040
108-90-7	Chlorobenzene	112.56	0.060	U	0.40	0.016
100-41-4	Ethylbenzene	106.17	0.48	D	0.40	0.026
179601-23-1	m,p-Xylene	106.17	1.3	D	1.0	0.046
95-47-6	Xylene, o-	106.17	0.48	D	0.40	0.032
1330-20-7	Xylene (total)	106.17	1.8		0.40	0.068
100-42-5	Styrene	104.15	0.37	J D	0.40	0.036
75-25-2	Bromoform	252.75	0.060	U	0.40	0.020
98-82-8	Cumene	120.19	0.068	J D	0.40	0.032
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.060	U	0.40	0.032
103-65-1	n-Propylbenzene	120.19	0.16	U	0.40	0.16
622-96-8	4-Ethyltoluene	120.20	0.17	J D	0.40	0.036
108-67-8	1,3,5-Trimethylbenzene	120.20	0.15	J D	0.40	0.024
95-49-8	2-Chlorotoluene	126.59	0.060	U	0.40	0.026
98-06-6	tert-Butylbenzene	134.22	0.060	U	0.40	0.034
95-63-6	1,2,4-Trimethylbenzene	120.20	0.55	D	0.40	0.028
135-98-8	sec-Butylbenzene	134.22	0.16	U	0.40	0.16
99-87-6	4-Isopropyltoluene	134.22	0.16	U	0.40	0.16
541-73-1	1,3-Dichlorobenzene	147.00	1.3	D	0.40	0.028
106-46-7	1,4-Dichlorobenzene	147.00	0.060	U	0.40	0.028

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

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Client Sample ID: 776VMP0201KA Lab Sample ID: 280-58003-6

Matrix: Air Lab File ID: 8801_013.d

Analysis Method: TO-15 Date Collected: 07/17/2014 11:50

Sample wt/vol: 100(mL) Date Analyzed: 07/31/2014 21:11

Soil Aliquot Vol: Dilution Factor: 2

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75517 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	0.16	U	0.40	0.16
104-51-8	n-Butylbenzene	134.22	0.16	U	0.40	0.16
95-50-1	1,2-Dichlorobenzene	147.00	0.060	U	0.40	0.028
120-82-1	1,2,4-Trichlorobenzene	181.45	0.16	U	1.0	0.054
87-68-3	Hexachlorobutadiene	260.76	0.16	U	0.40	0.044
91-20-3	Naphthalene	128.17	0.40	U	1.0	0.40

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

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Client Sample ID: 776VMP0201KA Lab Sample ID: 280-58003-6

Matrix: Air Lab File ID: 8801_013.d

Analysis Method: TO-15 Date Collected: 07/17/2014 11:50

Sample wt/vol: 100(mL) Date Analyzed: 07/31/2014 21:11

Soil Aliquot Vol: Dilution Factor: 2

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75517 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	3.0	J D	4.9	0.30
75-45-6	Freon 22	86.47	170	D	3.5	0.34
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	1.1	U	2.8	0.49
74-87-3	Chloromethane	50.49	1.3	J D	2.1	0.56
106-97-8	n-Butane	58.12	1.6	J D	2.4	1.3
75-01-4	Vinyl chloride	62.50	0.41	U	1.0	0.19
106-99-0	1,3-Butadiene	54.09	0.35	U	0.88	0.19
74-83-9	Bromomethane	94.94	0.62	U	1.6	0.22
75-00-3	Chloroethane	64.52	0.42	U	2.6	0.16
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.70	U	1.7	0.26
75-69-4	Trichlorofluoromethane	137.37	1.5	J D	2.2	0.34
76-13-1	Freon TF	187.38	0.74	J D	3.1	0.28
75-35-4	1,1-Dichloroethene	96.94	0.63	U	1.6	0.19
67-64-1	Acetone	58.08	32	D	24	5.9
67-63-0	Isopropyl alcohol	60.10	48	D	25	1.1
75-15-0	Carbon disulfide	76.14	1.2	U	3.1	0.41
107-05-1	3-Chloropropene	76.53	0.50	U	3.1	0.21
75-09-2	Methylene Chloride	84.93	1.4	U	3.5	0.87
75-65-0	tert-Butyl alcohol	74.12	4.6	J D	30	2.0
1634-04-4	Methyl tert-butyl ether	88.15	0.33	J D	1.4	0.16
156-60-5	trans-1,2-Dichloroethene	96.94	0.63	U	1.6	0.23
110-54-3	n-Hexane	86.17	0.73	J D	1.4	0.24
75-34-3	1,1-Dichloroethane	98.96	0.65	U	1.6	0.31
78-93-3	Methyl Ethyl Ketone	72.11	4.6	D	2.9	1.4
156-59-2	cis-1,2-Dichloroethene	96.94	0.63	U	1.6	0.30
540-59-0	1,2-Dichloroethene, Total	96.94	0.63	U	1.6	0.51
67-66-3	Chloroform	119.38	0.30	J D	2.0	0.24
109-99-9	Tetrahydrofuran	72.11	0.47	U	29	0.27
71-55-6	1,1,1-Trichloroethane	133.41	0.87	U	2.2	0.23
110-82-7	Cyclohexane	84.16	1.2	J D M	1.4	0.17
56-23-5	Carbon tetrachloride	153.81	1.0	U	2.5	0.26
540-84-1	2,2,4-Trimethylpentane	114.23	0.80	J D	1.9	0.25
71-43-2	Benzene	78.11	0.59	J D	1.3	0.12
107-06-2	1,2-Dichloroethane	98.96	0.24	U	1.6	0.14

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

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Client Sample ID: 776VMP0201KA Lab Sample ID: 280-58003-6

Matrix: Air Lab File ID: 8801_013.d

Analysis Method: TO-15 Date Collected: 07/17/2014 11:50

Sample wt/vol: 100(mL) Date Analyzed: 07/31/2014 21:11

Soil Aliquot Vol: Dilution Factor: 2

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75517 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
142-82-5	n-Heptane	100.21	0.66	U	1.6	0.38
79-01-6	Trichloroethene	131.39	1.1	J D	2.1	0.26
80-62-6	Methyl methacrylate	100.12	0.74	J D	4.1	0.25
78-87-5	1,2-Dichloropropane	112.99	0.74	U	1.8	0.30
123-91-1	1,4-Dioxane	88.11	1.4	U	36	1.4
75-27-4	Bromodichloromethane	163.83	0.40	U	2.7	0.23
10061-01-5	cis-1,3-Dichloropropene	110.97	0.73	U	1.8	0.25
108-10-1	methyl isobutyl ketone	100.16	0.93	J D	4.1	0.22
108-88-3	Toluene	92.14	4.8	D	1.5	0.13
10061-02-6	trans-1,3-Dichloropropene	110.97	0.73	U	1.8	0.20
79-00-5	1,1,2-Trichloroethane	133.41	0.33	U	2.2	0.19
127-18-4	Tetrachloroethene	165.83	0.41	U	2.7	0.22
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	1.6	U	4.1	1.6
124-48-1	Dibromochloromethane	208.29	0.51	U	3.4	0.34
106-93-4	1,2-Dibromoethane	187.87	1.2	U	3.1	0.31
108-90-7	Chlorobenzene	112.56	0.28	U	1.8	0.075
100-41-4	Ethylbenzene	106.17	2.1	D	1.7	0.11
179601-23-1	m,p-Xylene	106.17	5.8	D	4.3	0.20
95-47-6	Xylene, o-	106.17	2.1	D	1.7	0.14
1330-20-7	Xylene (total)	106.17	7.7		1.7	0.30
100-42-5	Styrene	104.15	1.6	J D	1.7	0.15
75-25-2	Bromoform	252.75	0.62	U	4.1	0.21
98-82-8	Cumene	120.19	0.33	J D	2.0	0.16
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.41	U	2.7	0.22
103-65-1	n-Propylbenzene	120.19	0.79	U	2.0	0.79
622-96-8	4-Ethyltoluene	120.20	0.81	J D	2.0	0.18
108-67-8	1,3,5-Trimethylbenzene	120.20	0.74	J D	2.0	0.12
95-49-8	2-Chlorotoluene	126.59	0.31	U	2.1	0.13
98-06-6	tert-Butylbenzene	134.22	0.33	U	2.2	0.19
95-63-6	1,2,4-Trimethylbenzene	120.20	2.7	D	2.0	0.14
135-98-8	sec-Butylbenzene	134.22	0.88	U	2.2	0.88
99-87-6	4-Isopropyltoluene	134.22	0.88	U	2.2	0.88
541-73-1	1,3-Dichlorobenzene	147.00	7.8	D	2.4	0.17
106-46-7	1,4-Dichlorobenzene	147.00	0.36	U	2.4	0.17

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

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Client Sample ID: 776VMP0201KA Lab Sample ID: 280-58003-6

Matrix: Air Lab File ID: 8801_013.d

Analysis Method: TO-15 Date Collected: 07/17/2014 11:50

Sample wt/vol: 100(mL) Date Analyzed: 07/31/2014 21:11

Soil Aliquot Vol: Dilution Factor: 2

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75517 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	0.83	U	2.1	0.83
104-51-8	n-Butylbenzene	134.22	0.88	U	2.2	0.88
95-50-1	1,2-Dichlorobenzene	147.00	0.36	U	2.4	0.17
120-82-1	1,2,4-Trichlorobenzene	181.45	1.2	U	7.4	0.40
87-68-3	Hexachlorobutadiene	260.76	1.7	U	4.3	0.47
91-20-3	Naphthalene	128.17	2.1	U	5.2	2.1

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140731-8801.b\8801_013.d
Lims ID: 280-58003-A-6 Lab Sample ID: 200-58003-6
Client ID: 776VMP0201KA
Sample Type: Client
Inject. Date: 31-Jul-2014 21:11:30 ALS Bottle#: 11 Worklist Smp#: 13
Purge Vol: 200.000 mL Dil. Factor: 2.0000
Sample Info: 200-0008801-013
Misc. Info.: 280-58003-a-6
Operator ID: BPL Instrument ID: CHW.i

Method: \\BTV-LIMS1\ChromData\CHW.i\20140731-8801.b\TO15_LLNJ_TO3_W_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 01-Aug-2014 10:35:47 Calib Date: 15-Jun-2014 00:33:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20140613-8058.b\8058_017.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK037

First Level Reviewer: lyonsb Date: 01-Aug-2014 10:05:45

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	4.494	4.494	0.000	52	30328	0.2985	
6 Chlorodifluoromethane	51	4.558	4.558	0.000	79	1230325	24.2	
7 1,2-Dichloro-1,1,2,2-tetra	85		4.847				ND	
8 Chloromethane	50	5.045	5.039	0.006	76	9205	0.3062	
9 Butane	43	5.307	5.307	0.000	88	16697	0.3351	
10 Vinyl chloride	62		5.355				ND	
11 Butadiene	54		5.457				ND	
12 Bromomethane	94		6.329				ND	
14 Chloroethane	64		6.612				ND	
16 Vinyl bromide	106		7.083				ND	
17 Trichlorofluoromethane	101	7.201	7.195	0.006	59	14655	0.1307	
23 1,1,2-Trichloro-1,2,2-trif	101	8.447	8.447	0.000	50	4152	0.0483	
24 1,1-Dichloroethene	96		8.522				ND	
25 Acetone	43	8.741	8.746	-0.005	90	354075	6.68	
26 Carbon disulfide	76		9.003				ND	
27 Isopropyl alcohol	45	9.030	9.057	-0.027	99	434309	9.71	
29 3-Chloro-1-propene	41		9.399				ND	
31 Methylene Chloride	49		9.736				ND	
32 2-Methyl-2-propanol	59	9.908	9.918	-0.010	95	49069	0.7594	
33 Methyl tert-butyl ether	73	10.159	10.170	-0.011	22	5137	0.0456	
S 41 1,2-Dichloroethene, Total	61		10.200				0	
34 trans-1,2-Dichloroethene	61		10.228				ND	
36 Hexane	57	10.641	10.651	-0.010	77	6344	0.1035	
37 1,1-Dichloroethane	63		11.191				ND	
39 cis-1,2-Dichloroethene	96		12.374				ND	
40 2-Butanone (MEK)	72	12.374	12.395	-0.021	98	17638	0.7878	
* 43 Chlorobromomethane	128	12.845	12.850	-0.005	73	347518	10.0	
44 Tetrahydrofuran	42		12.855				ND	
45 Chloroform	83	12.957	12.962	-0.005	35	2582	0.0312	
46 Cyclohexane	84	13.262	13.262	0.000	74	10521	0.1703	M
47 1,1,1-Trichloroethane	97		13.262				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
48 Carbon tetrachloride	117		13.524				ND	
51 Isooctane	57	13.909	13.914	-0.005	86	15907	0.0860	
50 Benzene	78	13.973	13.973	0.000	75	12159	0.0930	
52 1,2-Dichloroethane	62		14.134				ND	
53 n-Heptane	43		14.267				ND	
* 54 1,4-Difluorobenzene	114	14.728	14.733	-0.005	92	1666795	10.0	
56 Trichloroethene	95	15.193	15.204	-0.011	67	6458	0.1054	
58 1,2-Dichloropropane	63		15.717				ND	
59 Methyl methacrylate	69	15.803	15.803	0.000	60	3982	0.0900	
60 1,4-Dioxane	88		15.899				ND	
62 Dichlorobromomethane	83		16.204				ND	
64 cis-1,3-Dichloropropene	75		17.071				ND	
65 4-Methyl-2-pentanone (MIBK	43	17.301	17.301	0.000	76	8765	0.1141	
66 Toluene	92	17.638	17.638	0.000	93	69534	0.6415	
70 trans-1,3-Dichloropropene	75		18.178				ND	
71 1,1,2-Trichloroethane	83		18.542				ND	
72 Tetrachloroethene	166		18.681				ND	
73 2-Hexanone	43		18.927				ND	
74 Chlorodibromomethane	129		19.296				ND	
75 Ethylene Dibromide	107		19.574				ND	
S 82 Xylenes, Total	106				0		0.9053	
* 76 Chlorobenzene-d5	117	20.420	20.425	-0.005	80	1525250	10.0	
77 Chlorobenzene	112		20.479				ND	
78 Ethylbenzene	91	20.591	20.596	-0.005	87	51881	0.2407	
80 m-Xylene & p-Xylene	106	20.810	20.810	0.000	98	61487	0.6675	
83 o-Xylene	106	21.522	21.522	0.000	90	22373	0.2378	
84 Styrene	104	21.559	21.564	-0.005	95	25450	0.1865	
85 Bromoform	173		21.944				ND	
86 Isopropylbenzene	105	22.089	22.089	0.000	34	8732	0.0340	
$ 87 4-Bromofluorobenzene	95	22.426	22.426	0.000	97	1026177	NC	
88 1,1,2,2-Tetrachloroethane	83		22.650				ND	
90 N-Propylbenzene	91		22.720				ND	
91 4-Ethyltoluene	105	22.886	22.891	-0.005	89	21197	0.0829	
92 2-Chlorotoluene	91		22.923				ND	
94 1,3,5-Trimethylbenzene	105	22.977	22.982	-0.005	79	16490	0.0755	
96 tert-Butylbenzene	119		23.453				ND	
97 1,2,4-Trimethylbenzene	105	23.549	23.549	0.000	94	59931	0.2729	
98 sec-Butylbenzene	105		23.785				ND	
99 4-Isopropyltoluene	119		23.988				ND	
100 1,3-Dichlorobenzene	146	24.063	24.057	0.006	95	109820	0.6457	
101 1,4-Dichlorobenzene	146		24.202				ND	
102 Benzyl chloride	91		24.411				ND	
103 n-Butylbenzene	91		24.625				ND	
105 1,2-Dichlorobenzene	146		24.812				ND	
107 1,2,4-Trichlorobenzene	180		27.695				ND	
108 Hexachlorobutadiene	225		27.893				ND	
109 Naphthalene	128		28.278				ND	

QC Flag Legend

Processing Flags
NC - Not Calibrated
ND - Not Detected or Marked ND

Review Flags
M - Manually Integrated

Reagents:

ATTO15WISs_00003 Amount Added: 20.00 Units: mL Run Reagent

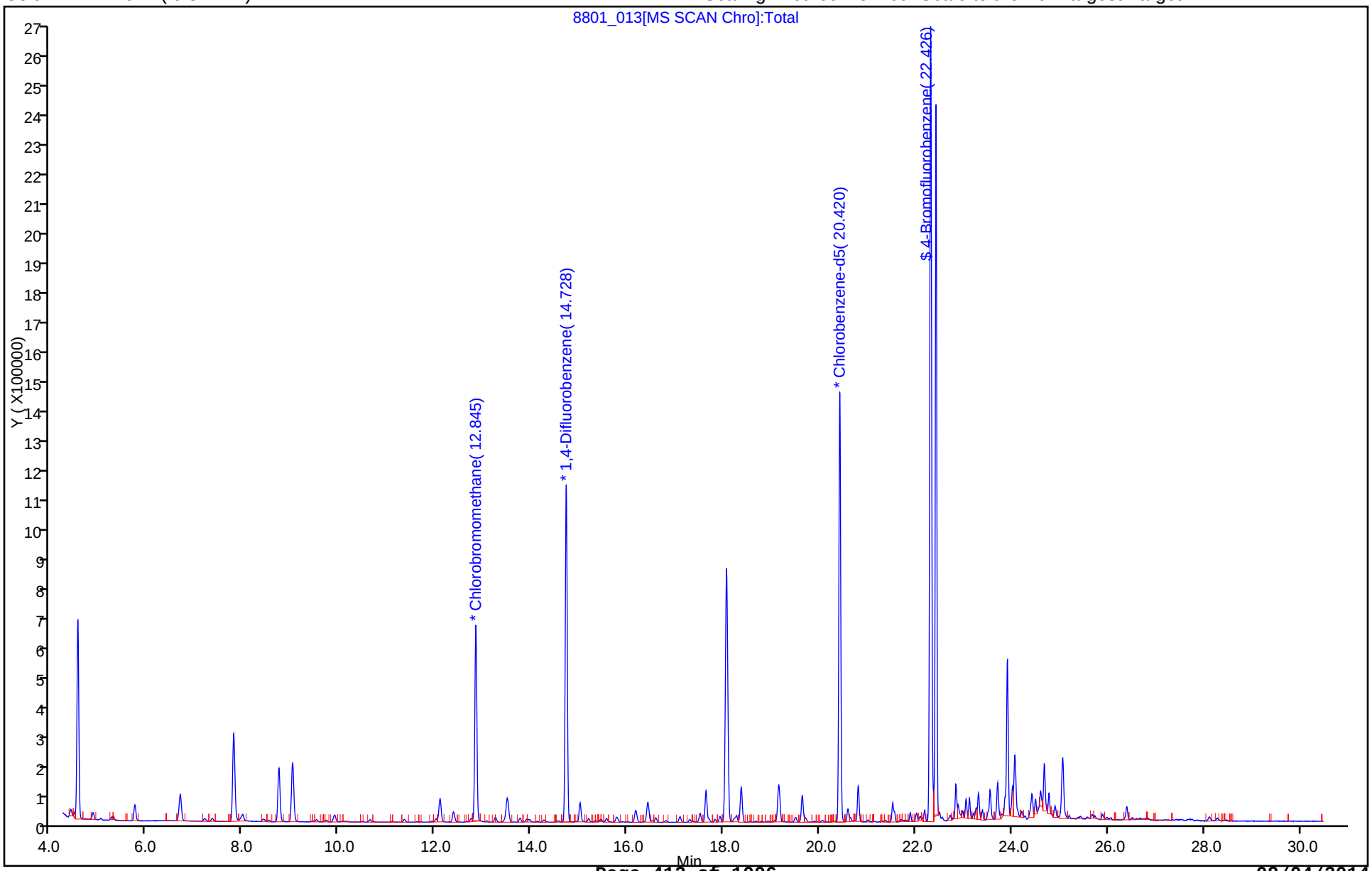
Report Date: 01-Aug-2014 10:35:53 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140731-8801.b\8801_013.d

Injection Date:	31-Jul-2014 21:11:30	Instrument ID:	CHW.i	Operator ID:	BPL
Lims ID:	280-58003-A-6	Lab Sample ID:	200-58003-6	Worklist Smp#:	13
Client ID:	776VMP0201KA				
Purge Vol:	200.000 mL	Dil. Factor:	2.0000	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



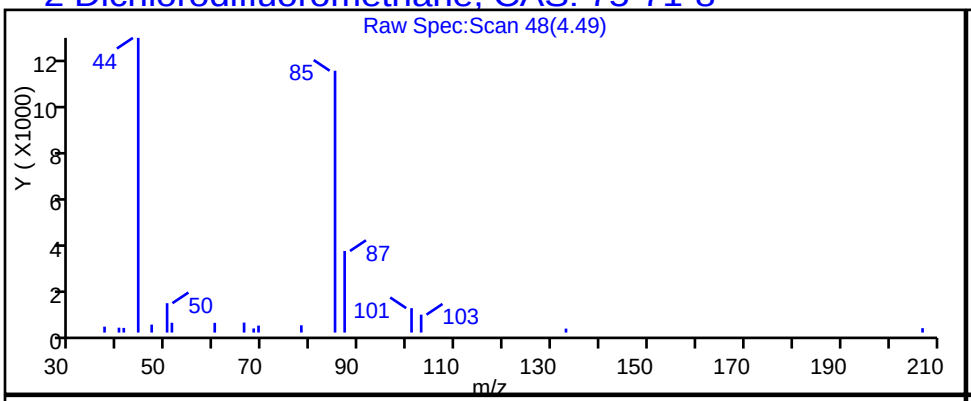
Report Date: 01-Aug-2014 10:35:53 Chrom Revision: 2.2 24-Jun-2014 07:21:42

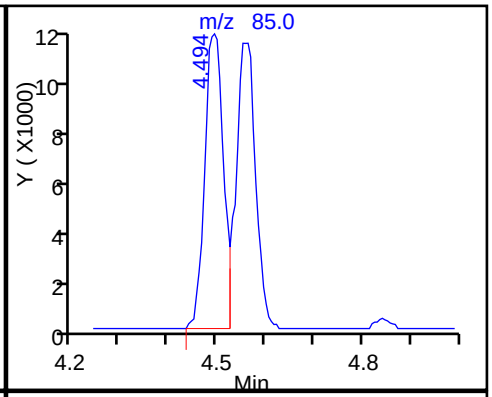
TestAmerica Burlington

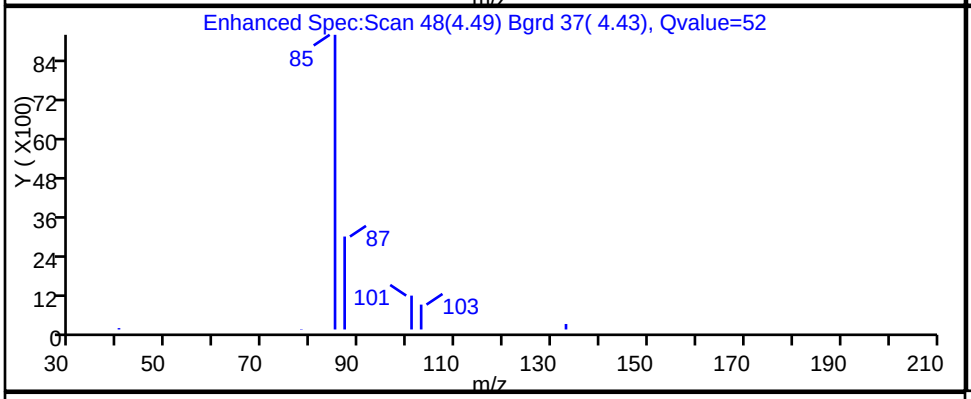
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140731-8801.b\8801_013.d

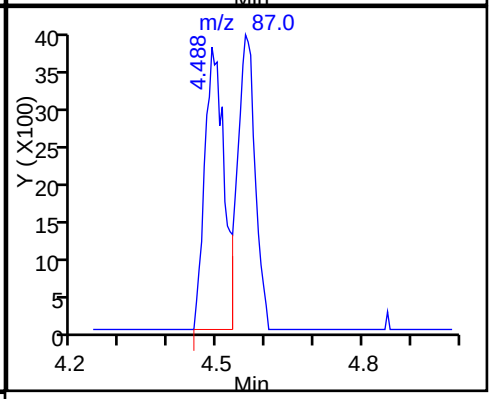
Injection Date:	31-Jul-2014 21:11:30	Instrument ID:	CHW.i		
Lims ID:	280-58003-A-6	Lab Sample ID:	200-58003-6		
Client ID:	776VMP0201KA				
Operator ID:	BPL	ALS Bottle#:	11	Worklist Smp#:	13
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

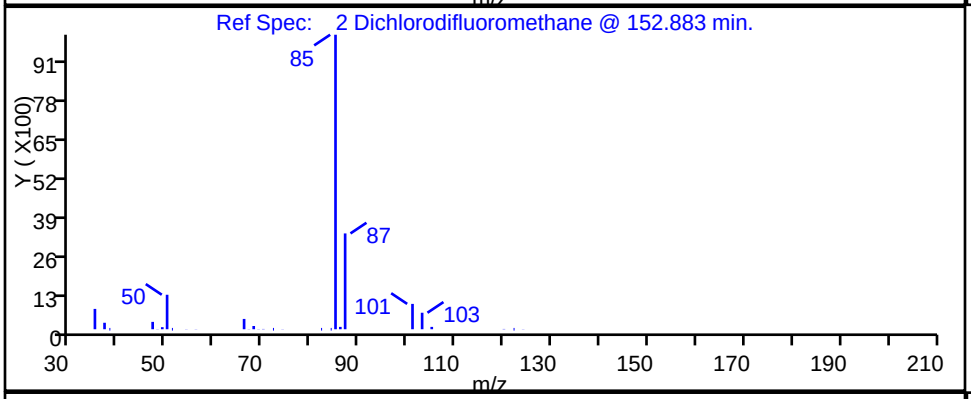
2 Dichlorodifluoromethane, CAS: 75-71-8

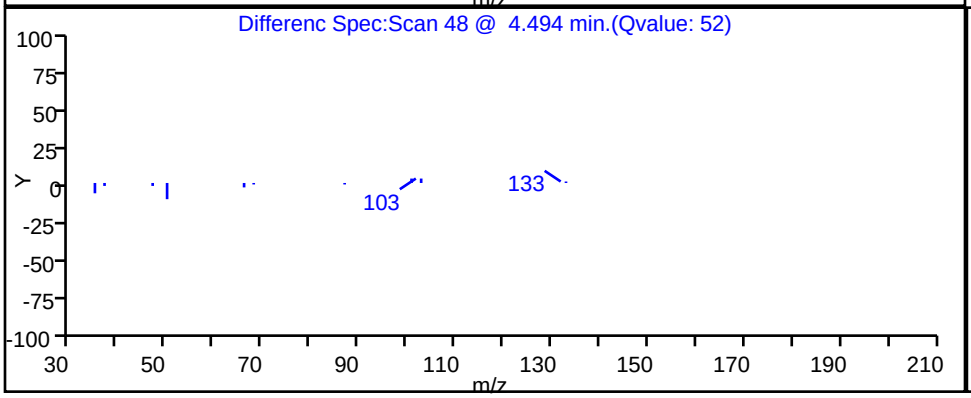


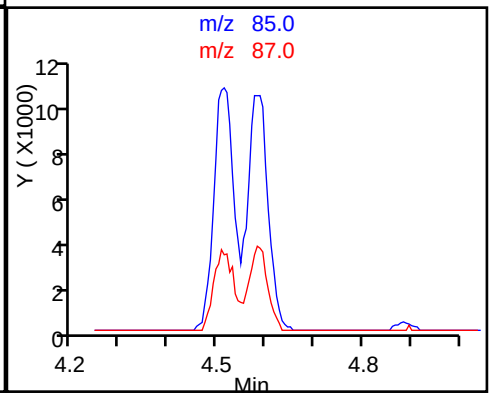












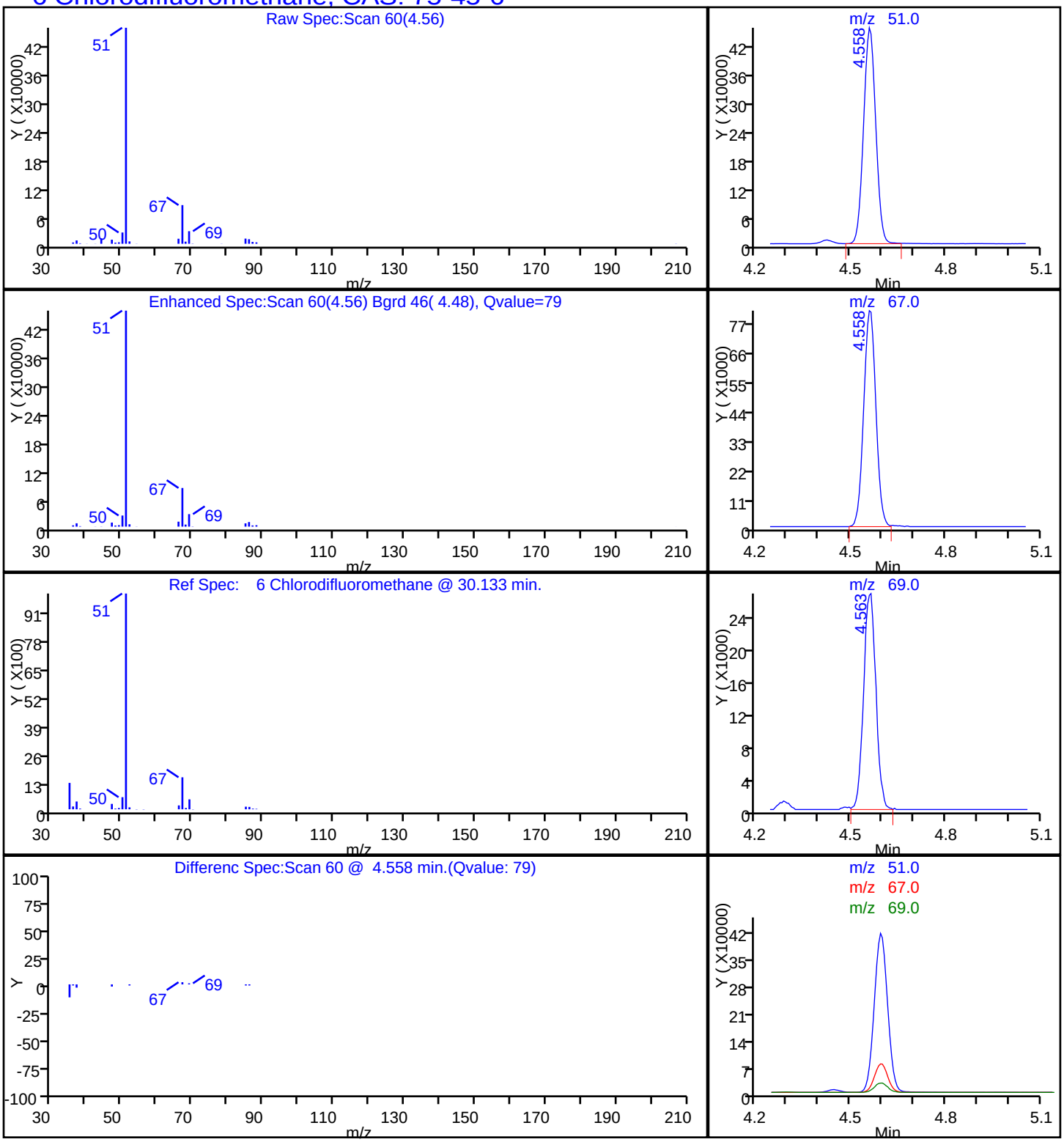
Report Date: 01-Aug-2014 10:35:53 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140731-8801.b\8801_013.d

Injection Date:	31-Jul-2014 21:11:30	Instrument ID:	CHW.i		
Lims ID:	280-58003-A-6	Lab Sample ID:	200-58003-6		
Client ID:	776VMP0201KA				
Operator ID:	BPL	ALS Bottle#:	11	Worklist Smp#:	13
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
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



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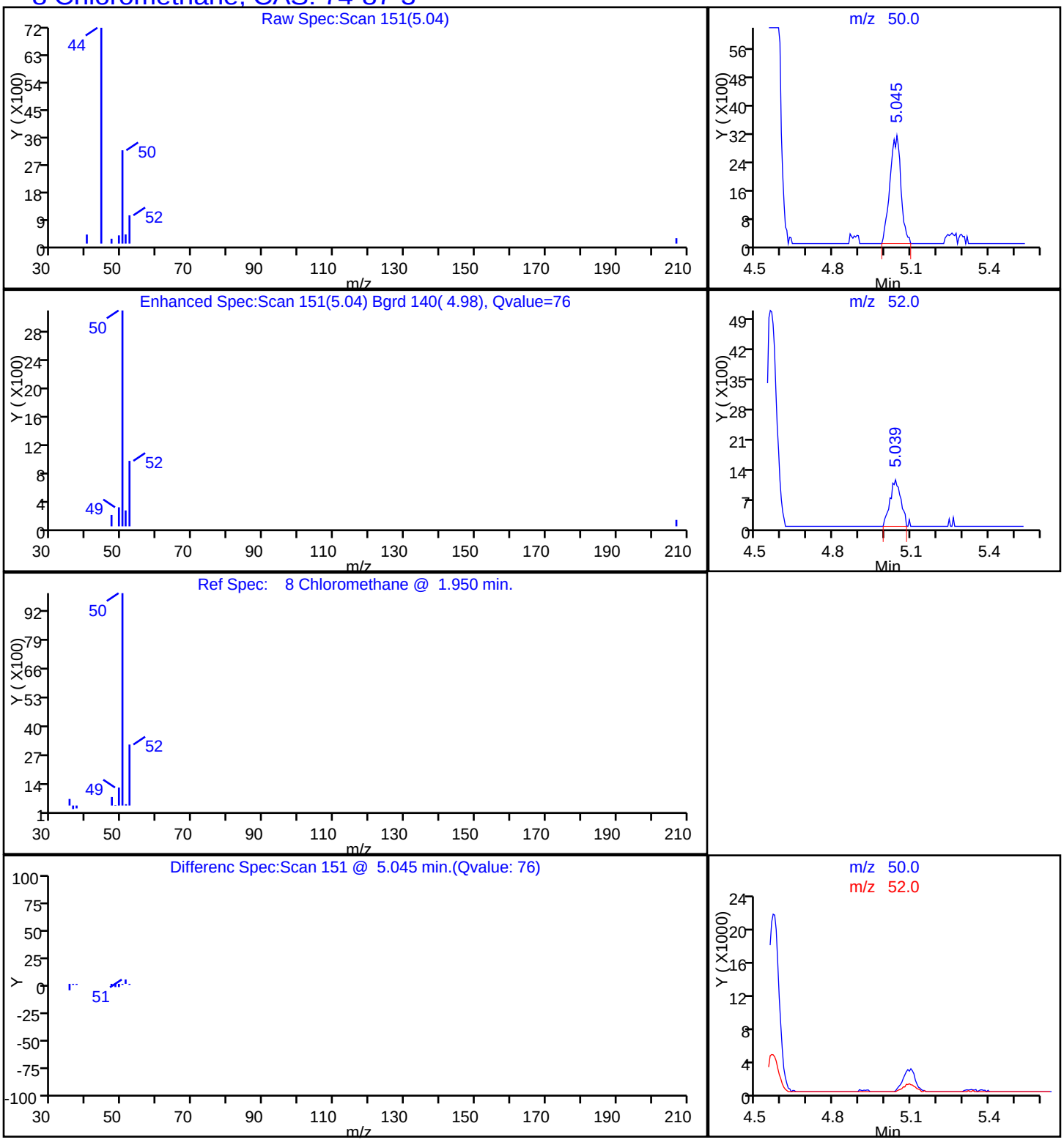
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140731-8801.b\8801_013.d

Injection Date:	31-Jul-2014 21:11:30	Instrument ID:	CHW.i		
Lims ID:	280-58003-A-6	Lab Sample ID:	200-58003-6		
Client ID:	776VMP0201KA				
Operator ID:	BPL	ALS Bottle#:	11	Worklist Smp#:	13
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
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



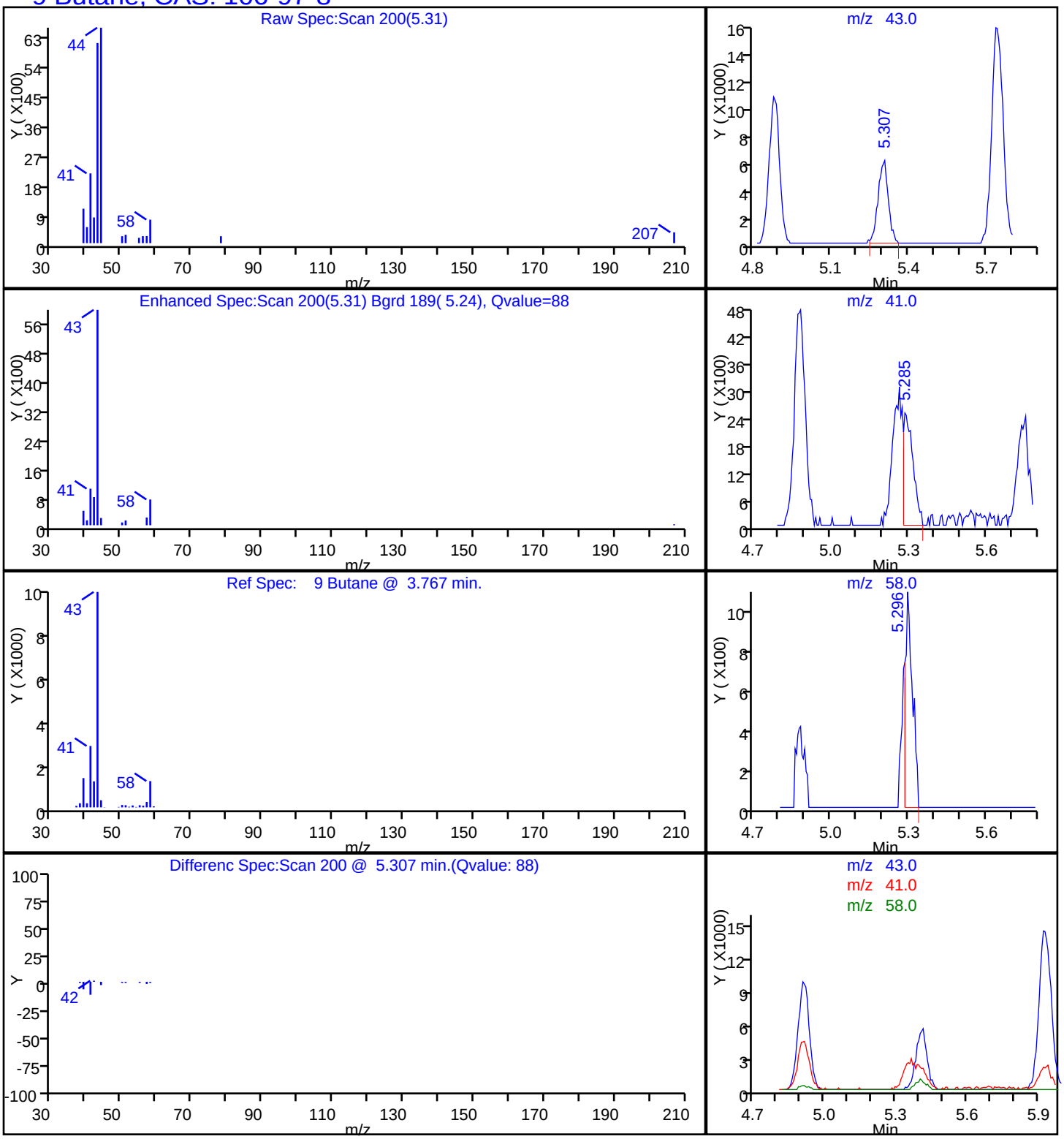
Report Date: 01-Aug-2014 10:35:54 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140731-8801.b\8801_013.d

Injection Date:	31-Jul-2014 21:11:30	Instrument ID:	CHW.i		
Lims ID:	280-58003-A-6	Lab Sample ID:	200-58003-6		
Client ID:	776VMP0201KA				
Operator ID:	BPL	ALS Bottle#:	11	Worklist Smp#:	13
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
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



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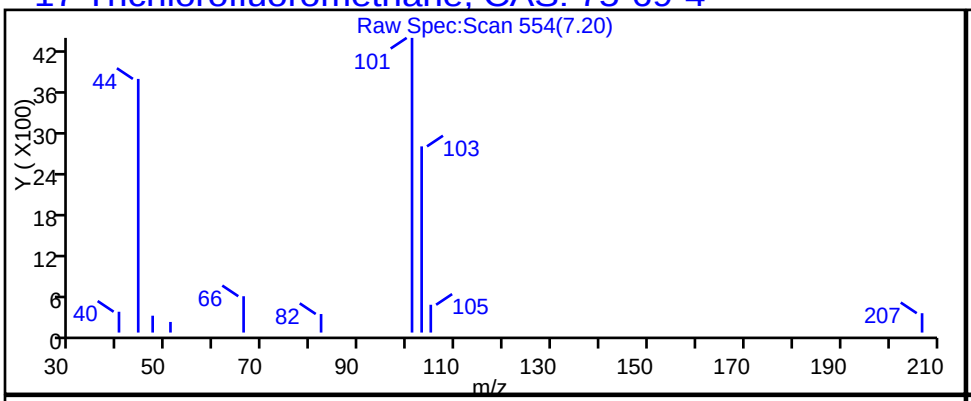
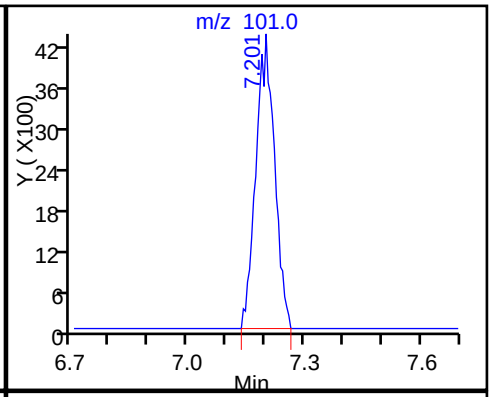
TestAmerica Burlington

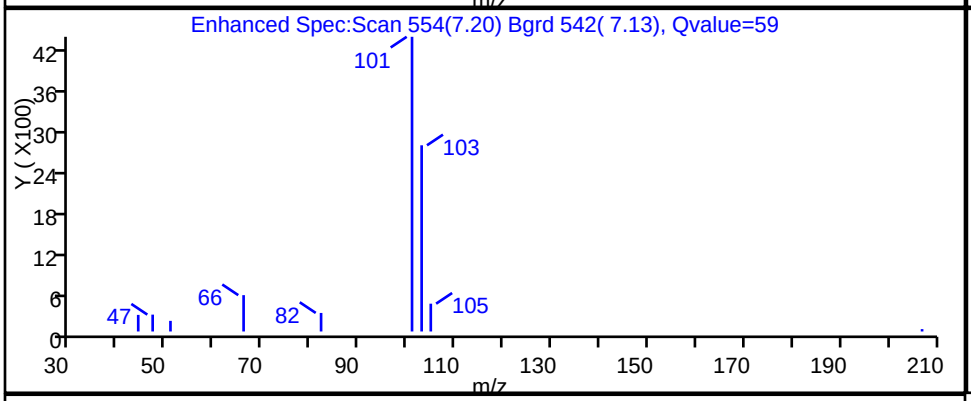
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140731-8801.b\8801_013.d

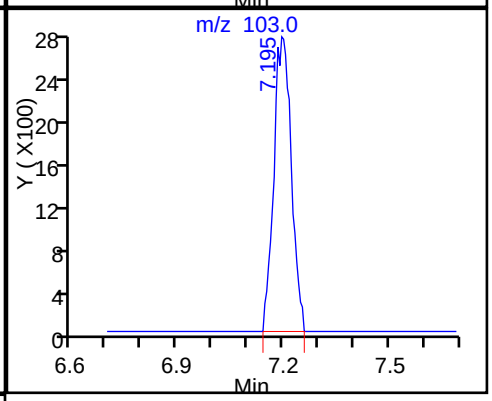
Injection Date:	31-Jul-2014 21:11:30	Instrument ID:	CHW.i		
Lims ID:	280-58003-A-6	Lab Sample ID:	200-58003-6		
Client ID:	776VMP0201KA				
Operator ID:	BPL	ALS Bottle#:	11	Worklist Smp#:	13
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

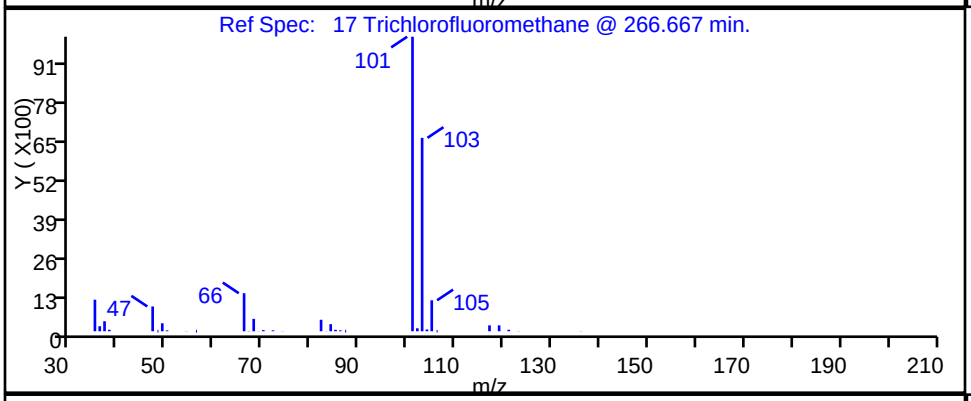
17 Trichlorofluoromethane, CAS: 75-69-4

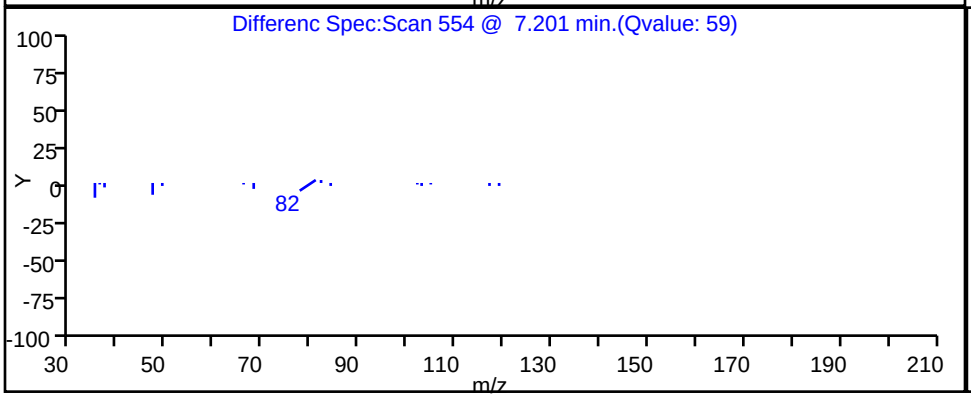


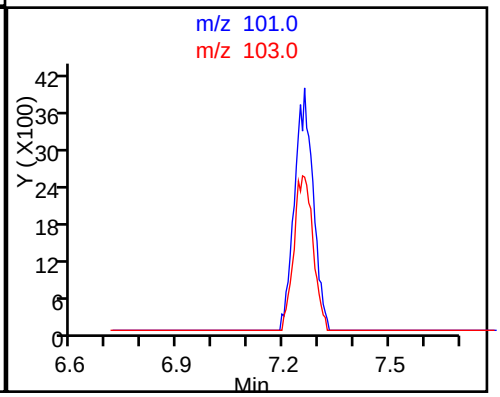












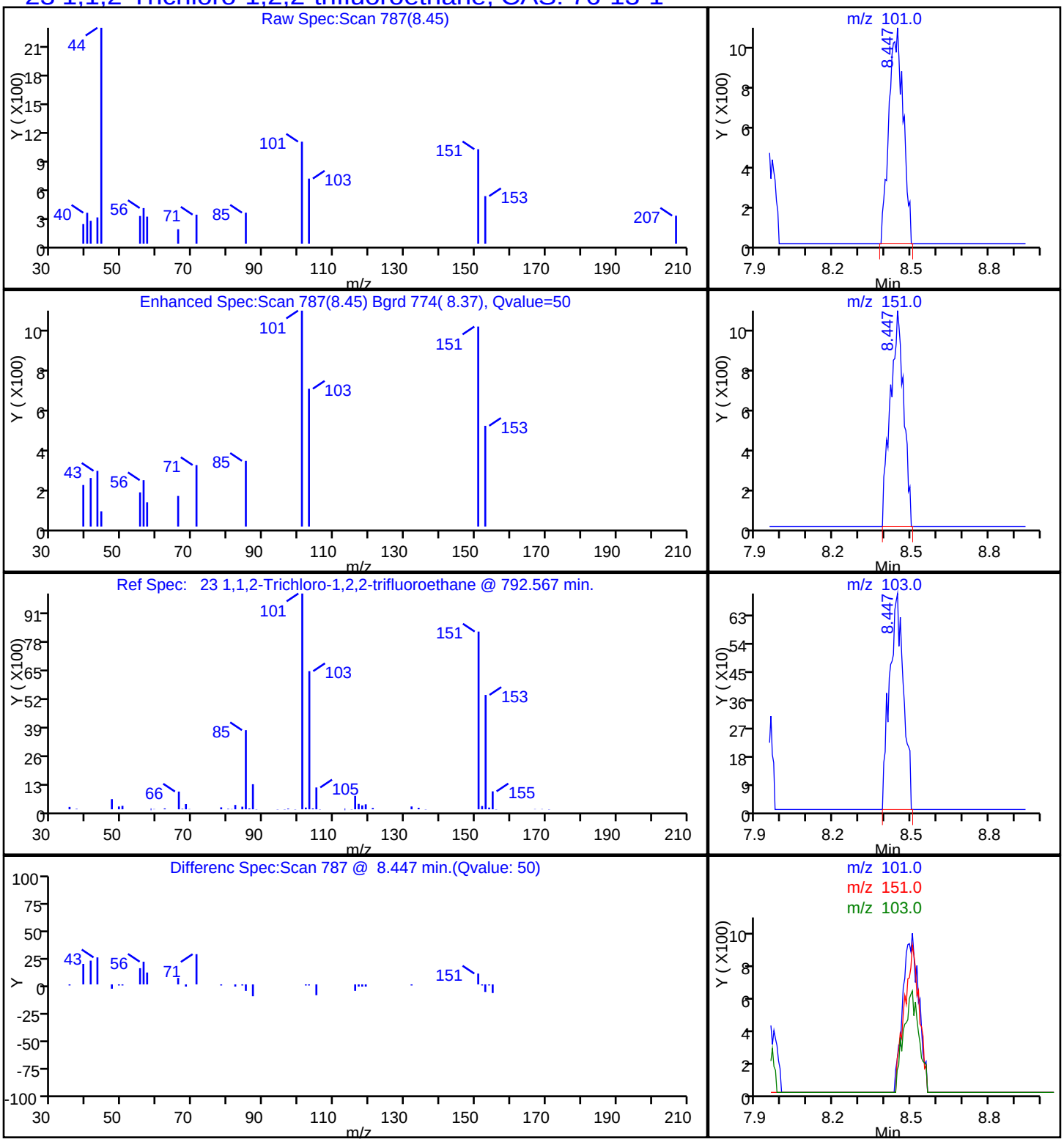
Report Date: 01-Aug-2014 10:35:54 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140731-8801.b\8801_013.d

Injection Date:	31-Jul-2014 21:11:30	Instrument ID:	CHW.i		
Lims ID:	280-58003-A-6	Lab Sample ID:	200-58003-6		
Client ID:	776VMP0201KA				
Operator ID:	BPL	ALS Bottle#:	11	Worklist Smp#:	13
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

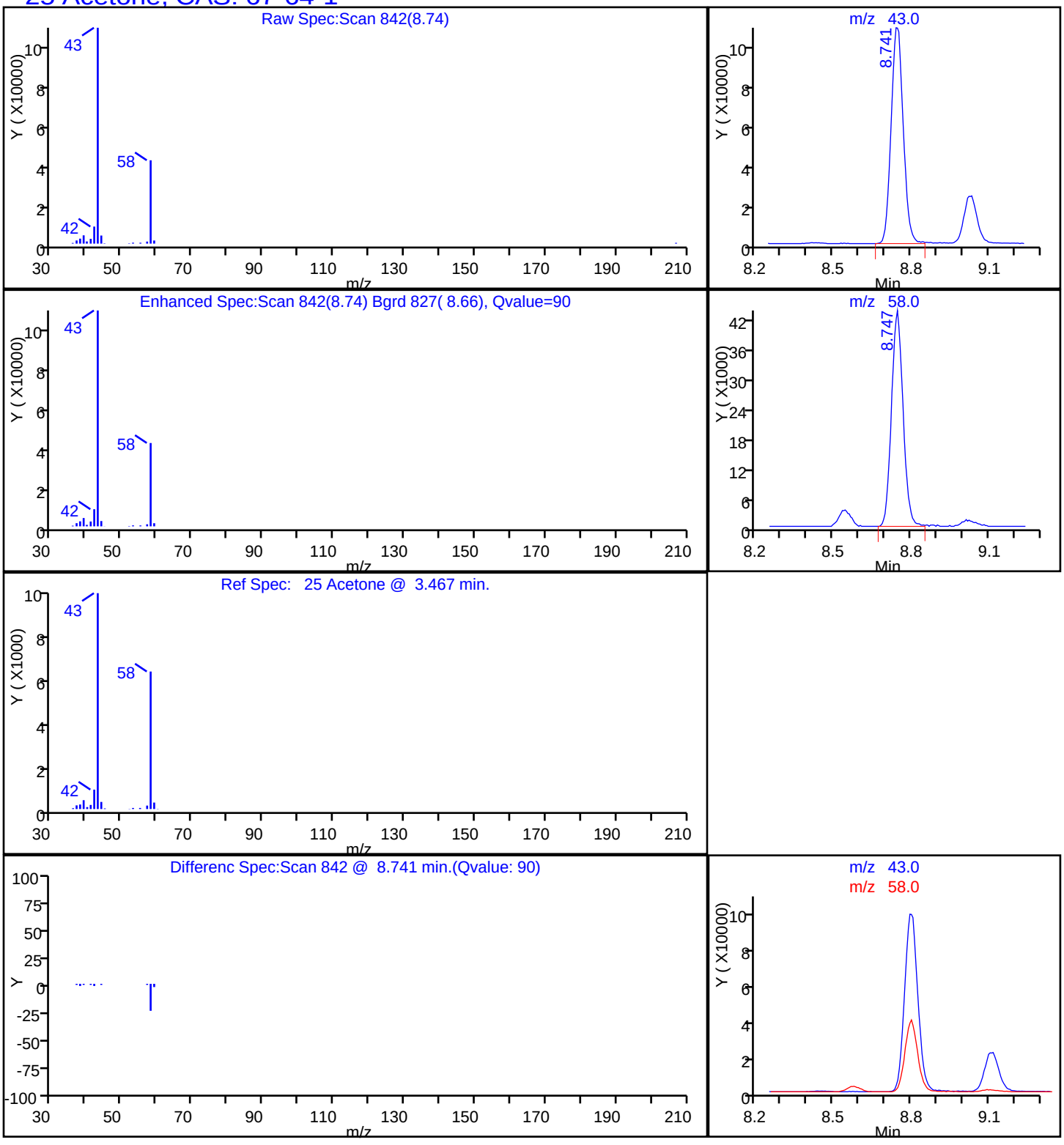
23 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1



TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140731-8801.b\8801_013.d				
Injection Date:	31-Jul-2014 21:11:30	Instrument ID:	CHW.i		
Lims ID:	280-58003-A-6	Lab Sample ID:	200-58003-6		
Client ID:	776VMP0201KA				
Operator ID:	BPL	ALS Bottle#:	11	Worklist Smp#:	13
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

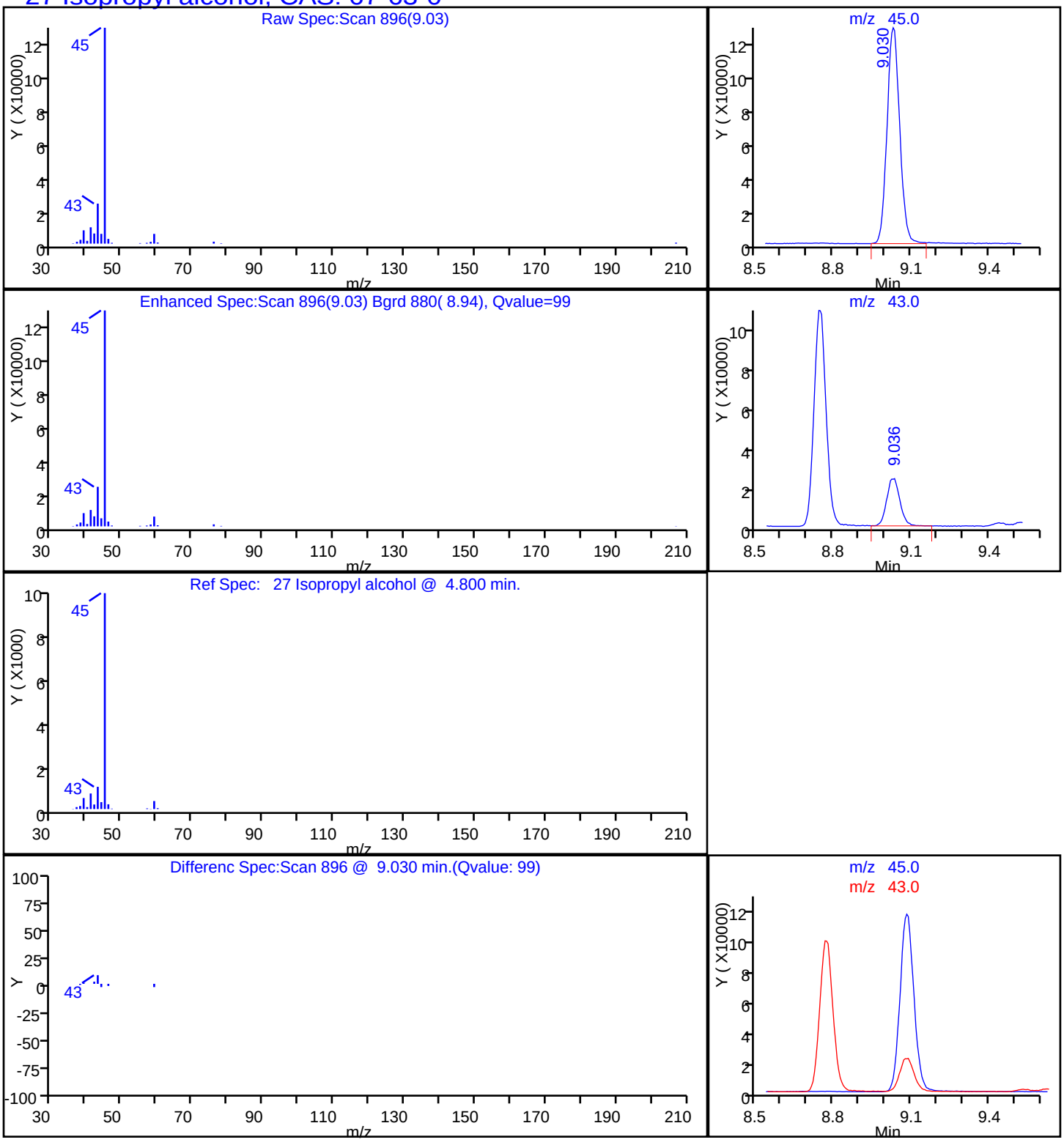
25 Acetone, CAS: 67-64-1



TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140731-8801.b\8801_013.d				
Injection Date:	31-Jul-2014 21:11:30	Instrument ID:	CHW.i		
Lims ID:	280-58003-A-6	Lab Sample ID:	200-58003-6		
Client ID:	776VMP0201KA				
Operator ID:	BPL	ALS Bottle#:	11	Worklist Smp#:	13
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
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



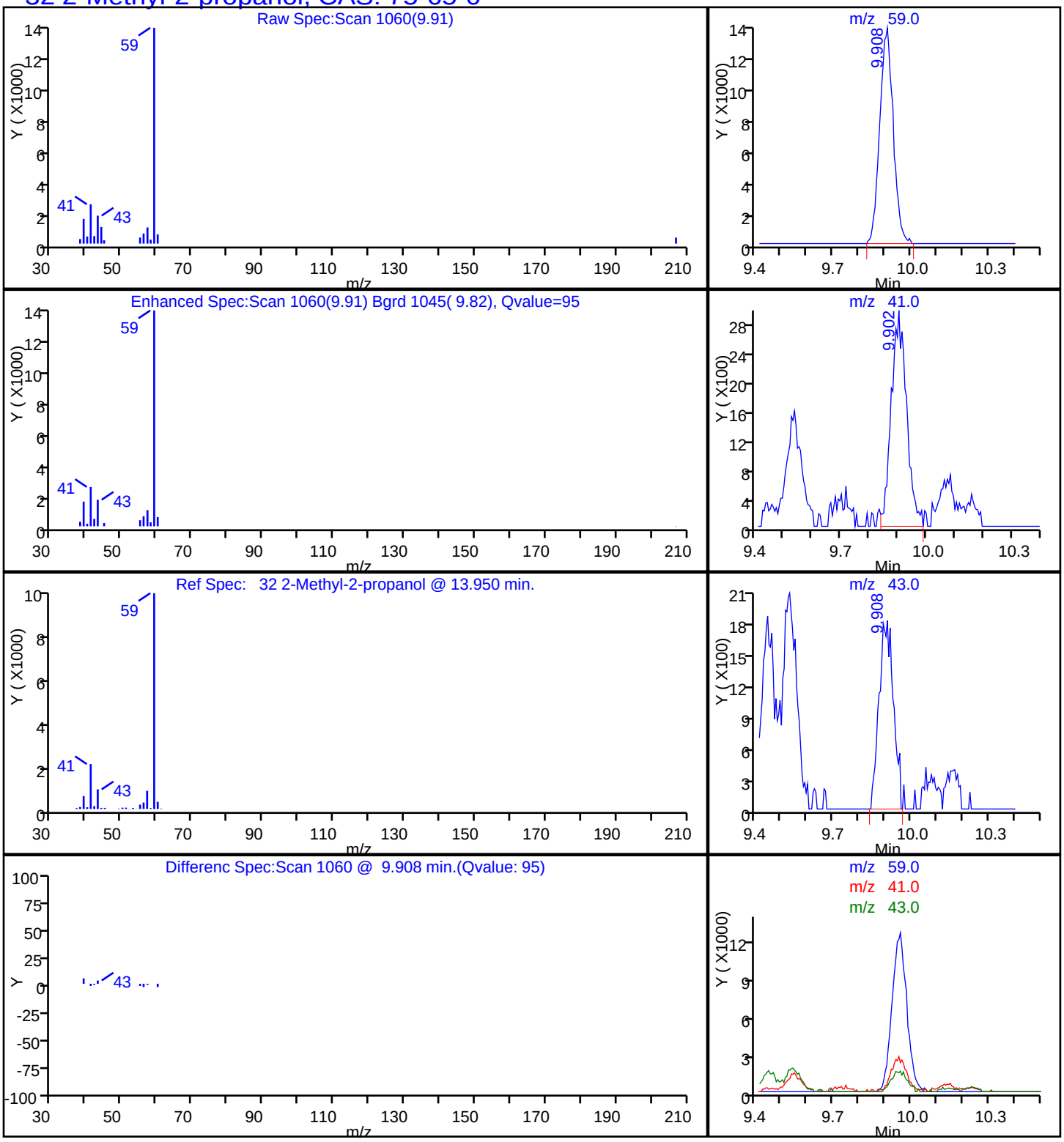
Report Date: 01-Aug-2014 10:35:54 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140731-8801.b\8801_013.d

Injection Date:	31-Jul-2014 21:11:30	Instrument ID:	CHW.i		
Lims ID:	280-58003-A-6	Lab Sample ID:	200-58003-6		
Client ID:	776VMP0201KA				
Operator ID:	BPL	ALS Bottle#:	11	Worklist Smp#:	13
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
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



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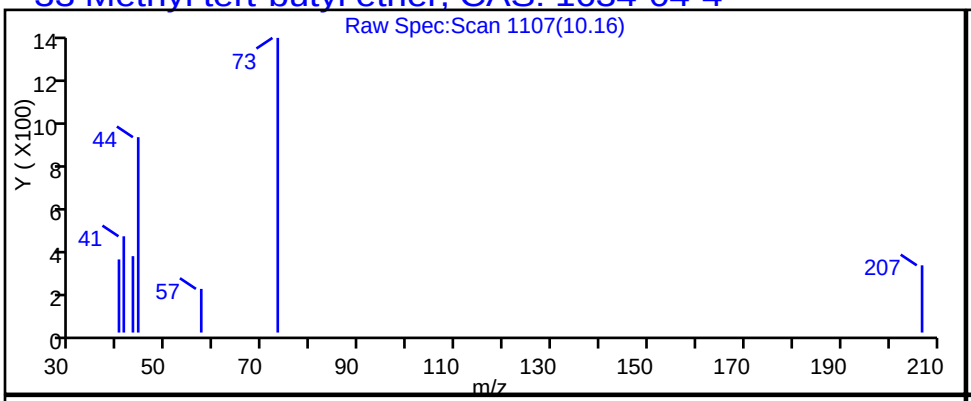
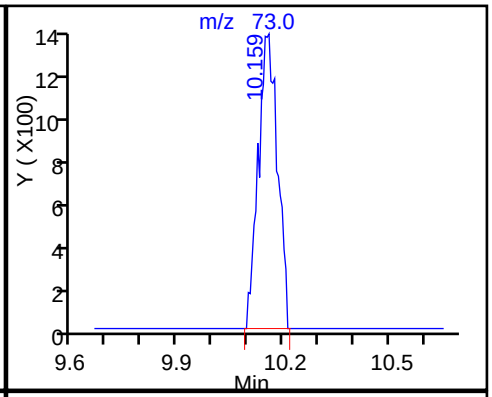
TestAmerica Burlington

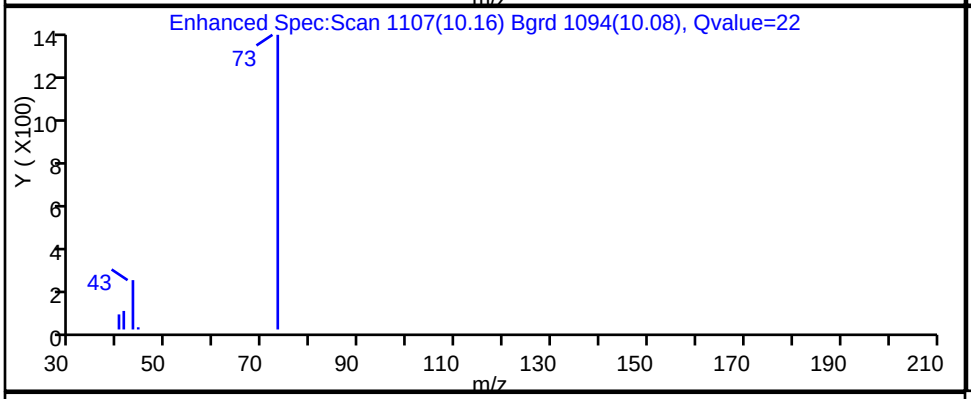
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140731-8801.b\8801_013.d

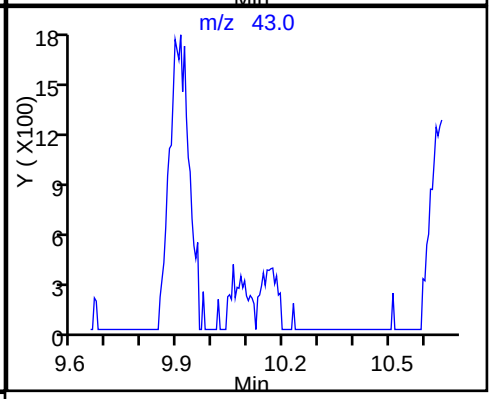
Injection Date:	31-Jul-2014 21:11:30	Instrument ID:	CHW.i		
Lims ID:	280-58003-A-6	Lab Sample ID:	200-58003-6		
Client ID:	776VMP0201KA				
Operator ID:	BPL	ALS Bottle#:	11	Worklist Smp#:	13
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

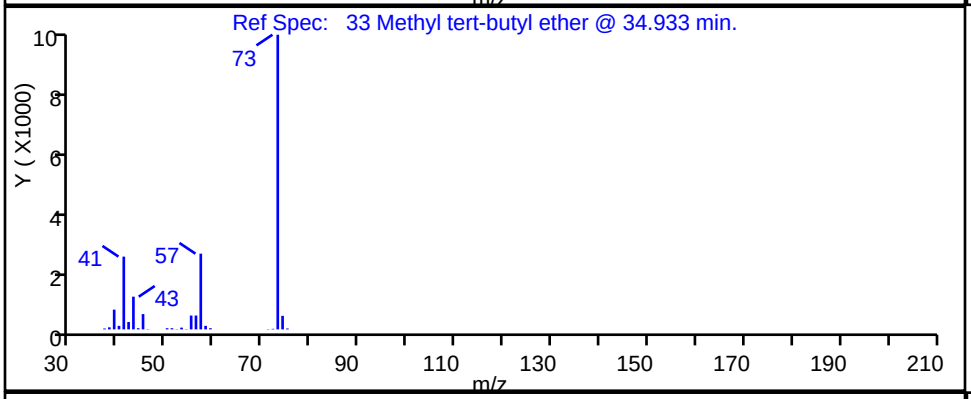
33 Methyl tert-butyl ether, CAS: 1634-04-4

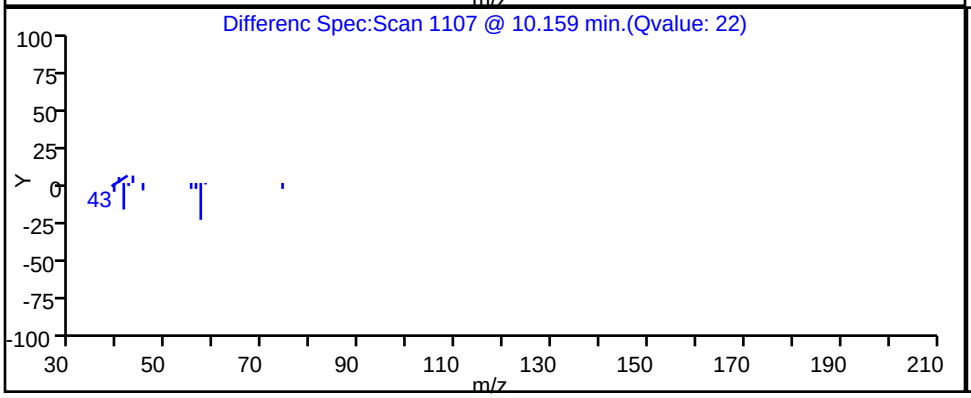


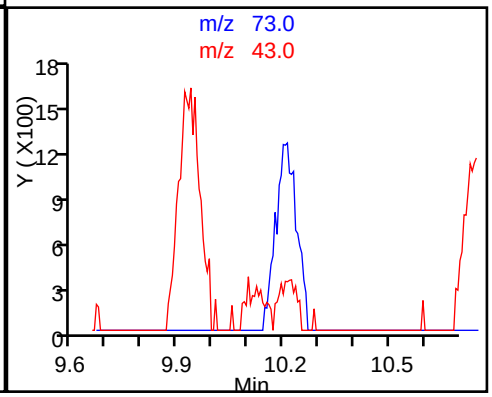












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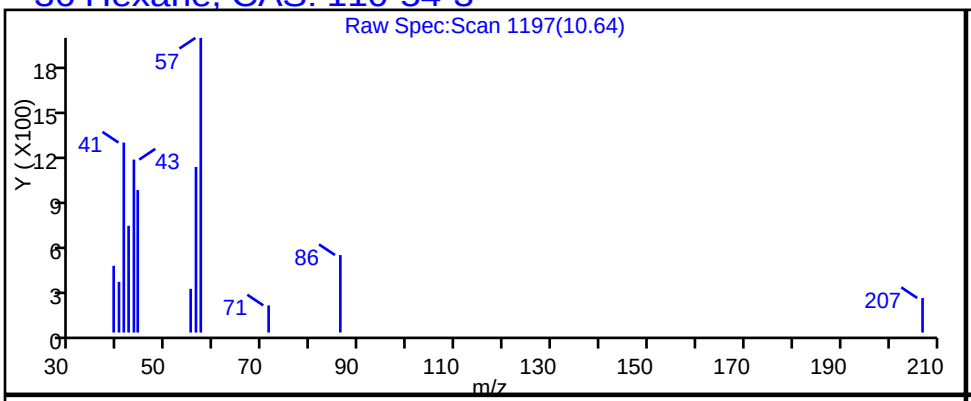
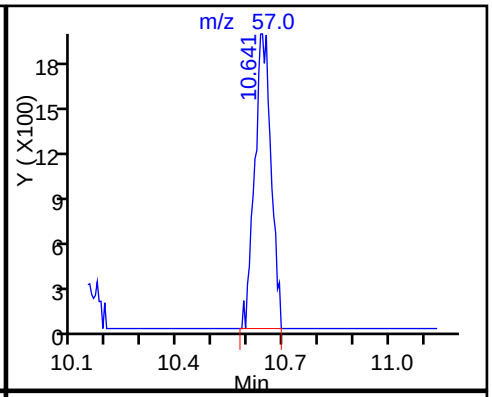
TestAmerica Burlington

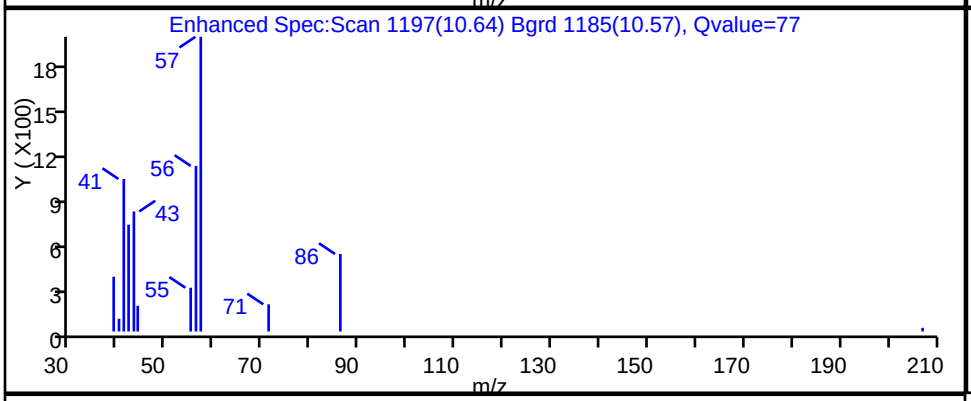
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140731-8801.b\8801_013.d

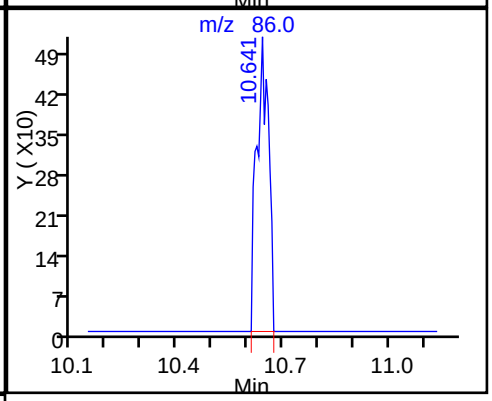
Injection Date:	31-Jul-2014 21:11:30	Instrument ID:	CHW.i		
Lims ID:	280-58003-A-6	Lab Sample ID:	200-58003-6		
Client ID:	776VMP0201KA				
Operator ID:	BPL	ALS Bottle#:	11	Worklist Smp#:	13
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

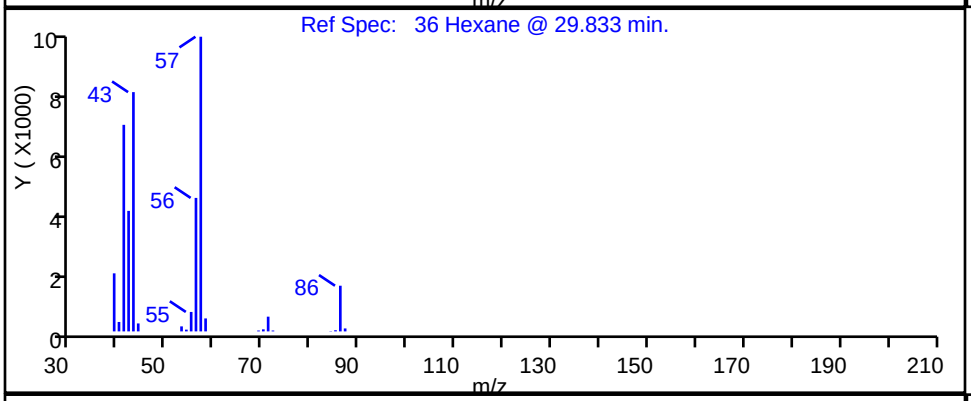
36 Hexane, CAS: 110-54-3

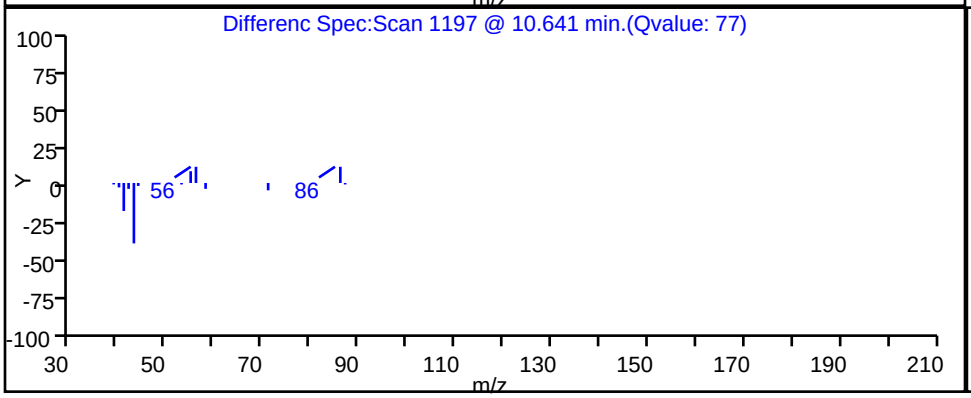


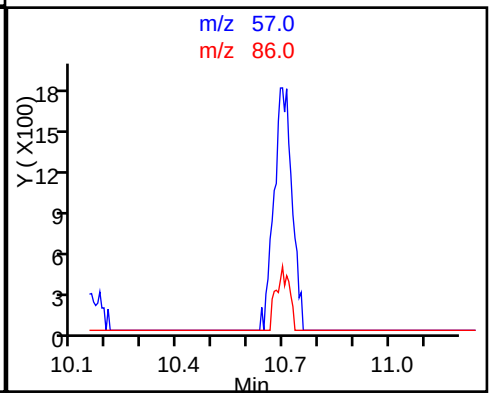








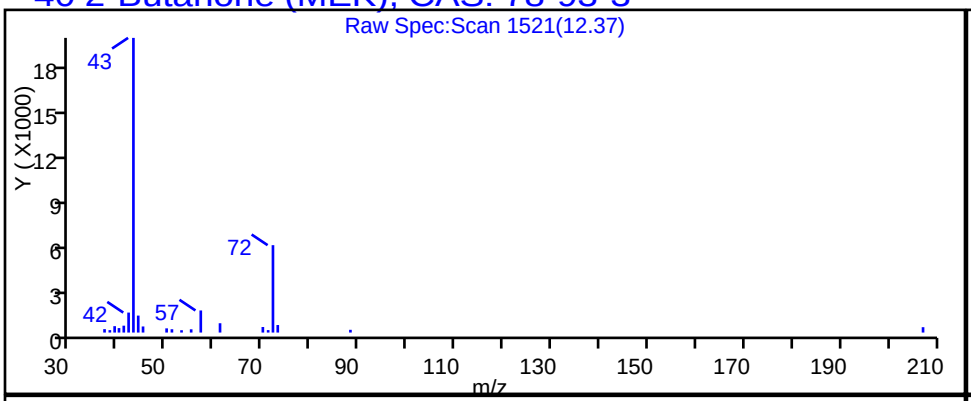


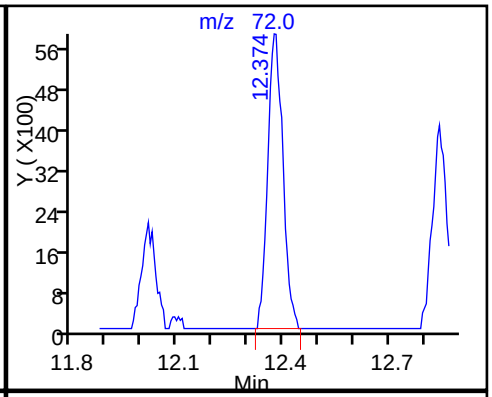


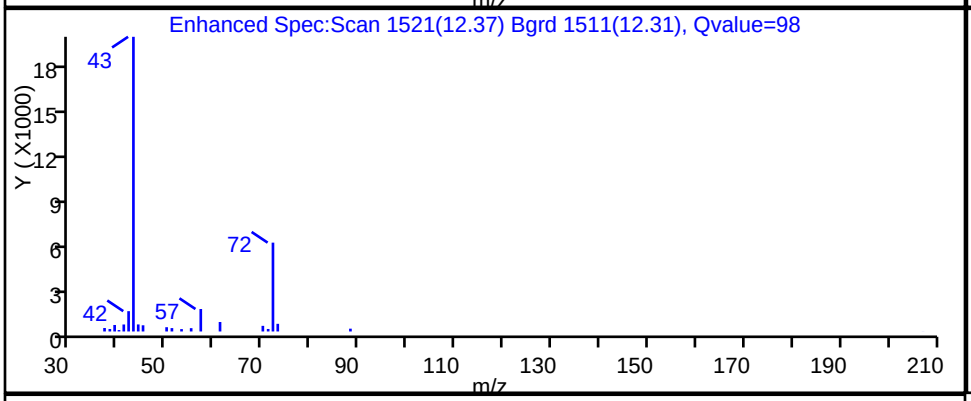
TestAmerica Burlington

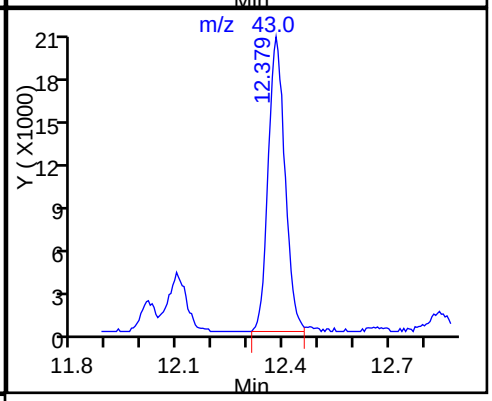
Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140731-8801.b\8801_013.d				
Injection Date:	31-Jul-2014 21:11:30	Instrument ID:	CHW.i		
Lims ID:	280-58003-A-6	Lab Sample ID:	200-58003-6		
Client ID:	776VMP0201KA				
Operator ID:	BPL	ALS Bottle#:	11	Worklist Smp#:	13
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

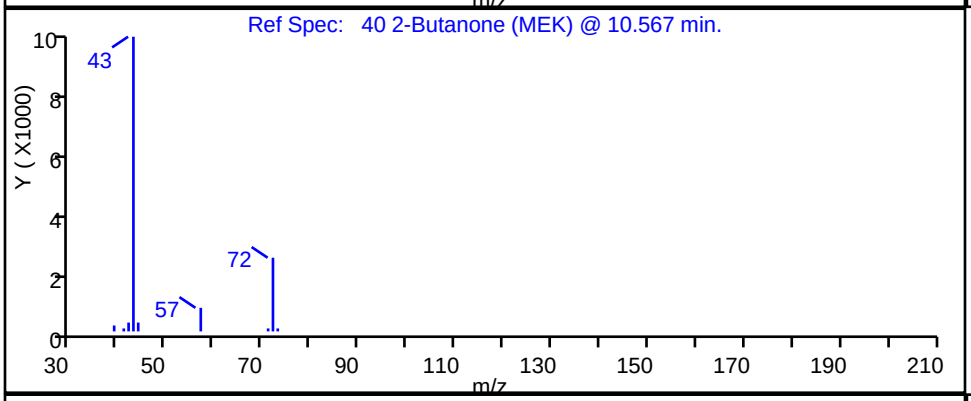
40 2-Butanone (MEK), CAS: 78-93-3

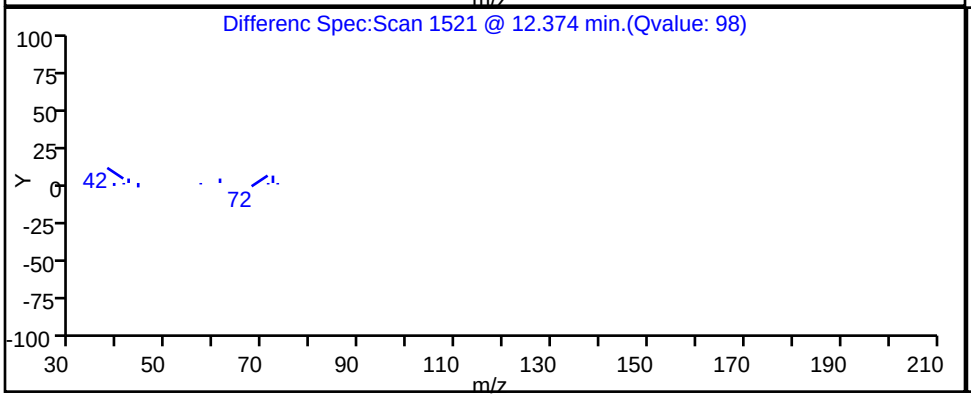


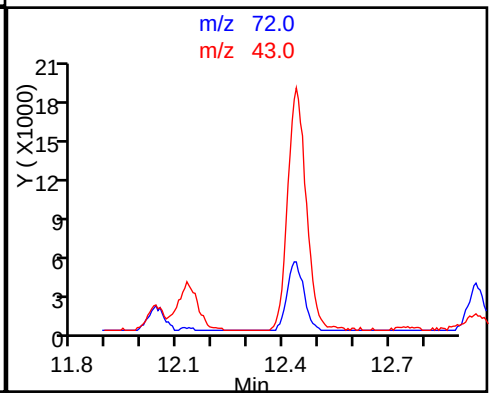












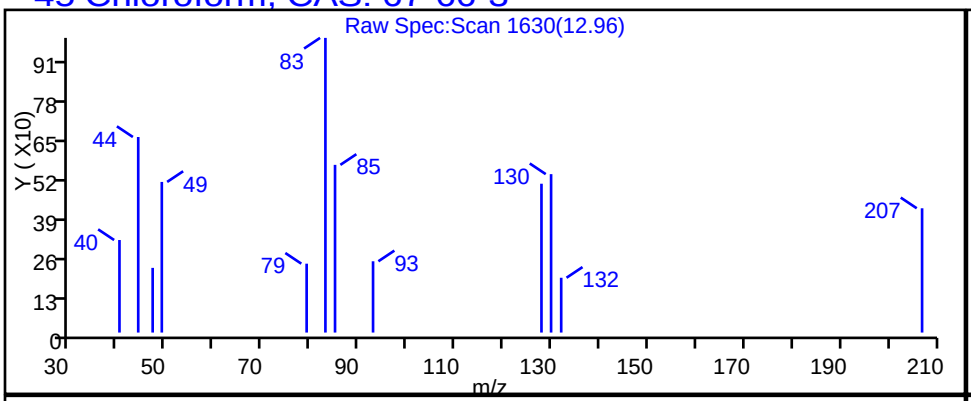
Report Date: 01-Aug-2014 10:35:54 Chrom Revision: 2.2 24-Jun-2014 07:21:42

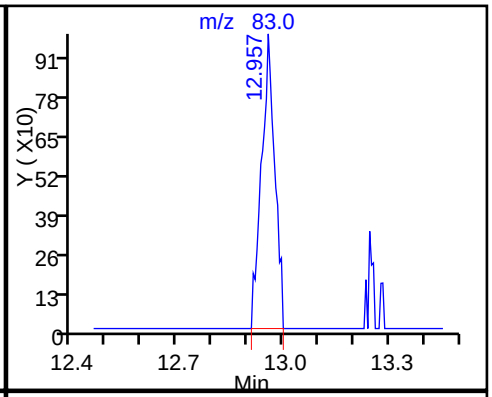
TestAmerica Burlington

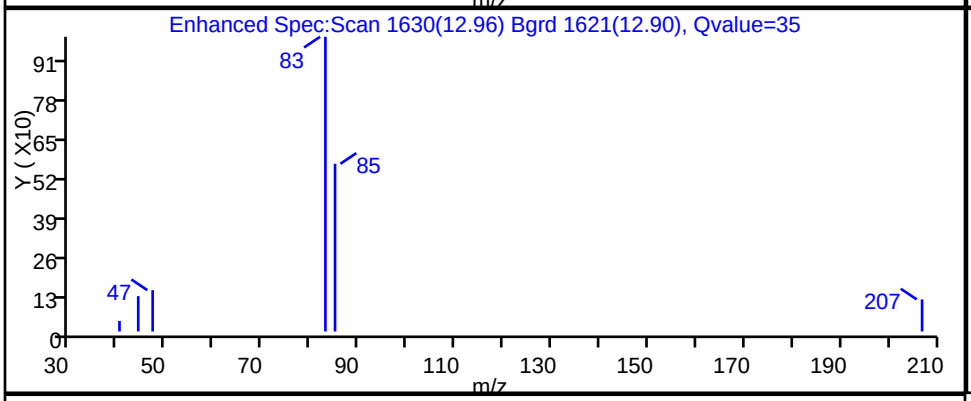
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140731-8801.b\8801_013.d

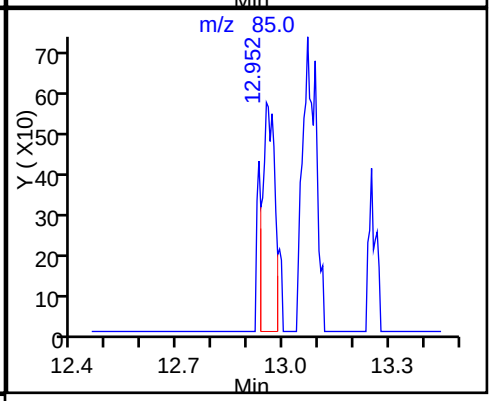
Injection Date:	31-Jul-2014 21:11:30	Instrument ID:	CHW.i		
Lims ID:	280-58003-A-6	Lab Sample ID:	200-58003-6		
Client ID:	776VMP0201KA				
Operator ID:	BPL	ALS Bottle#:	11	Worklist Smp#:	13
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

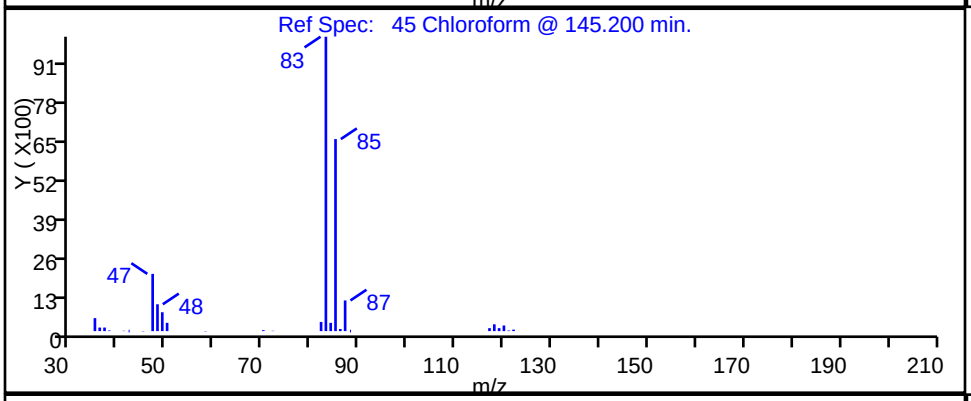
45 Chloroform, CAS: 67-66-3

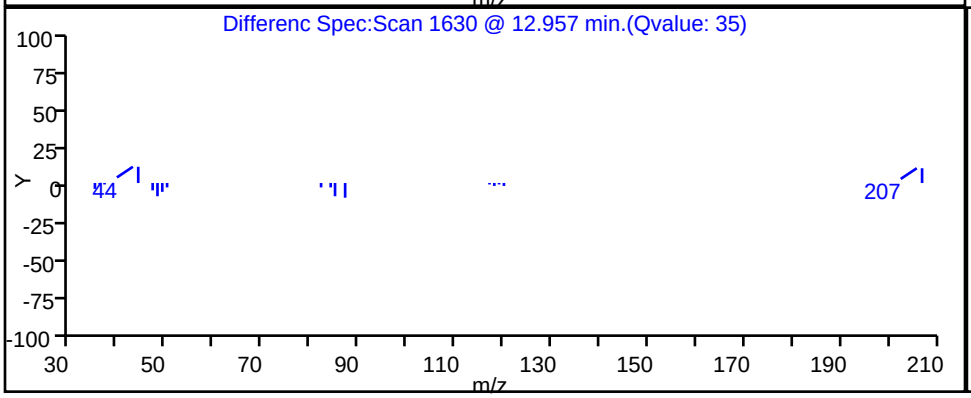


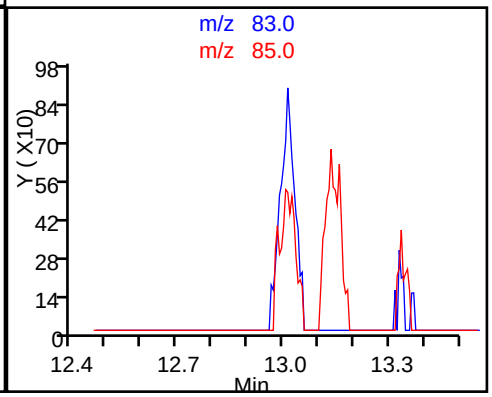












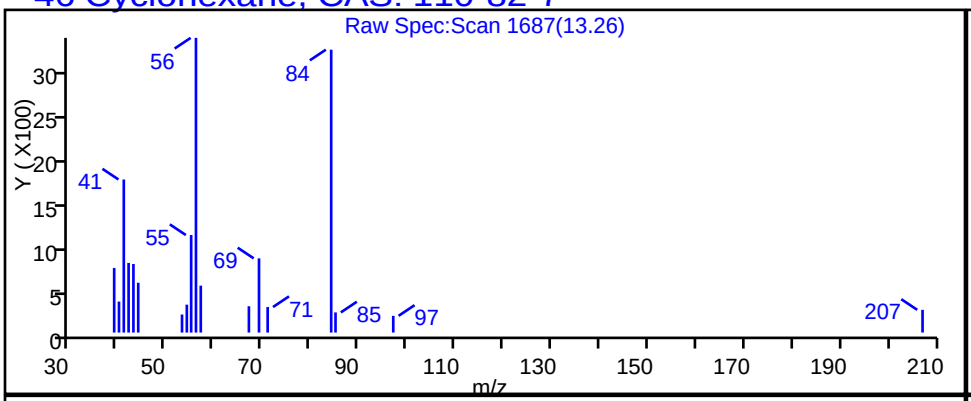
Report Date: 01-Aug-2014 10:35:54 Chrom Revision: 2.2 24-Jun-2014 07:21:42

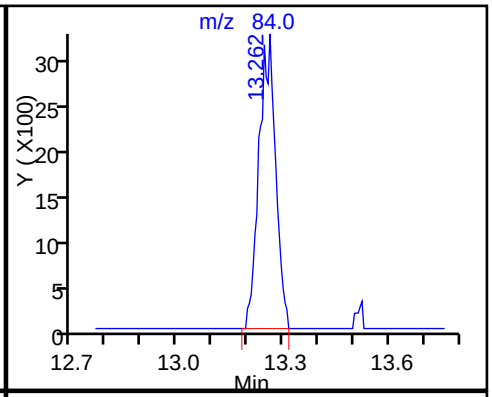
TestAmerica Burlington

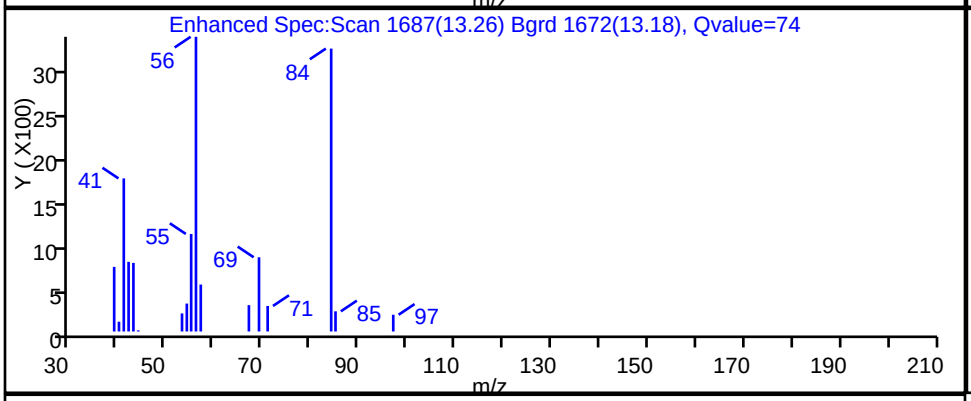
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140731-8801.b\8801_013.d

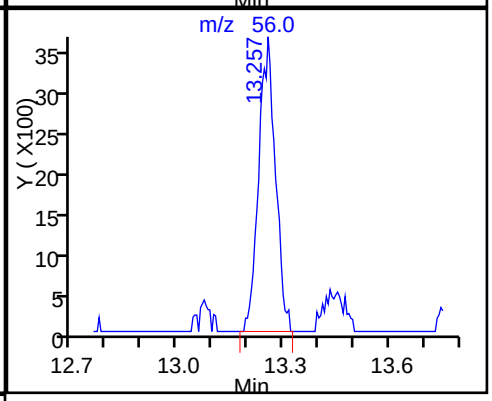
Injection Date:	31-Jul-2014 21:11:30	Instrument ID:	CHW.i		
Lims ID:	280-58003-A-6	Lab Sample ID:	200-58003-6		
Client ID:	776VMP0201KA				
Operator ID:	BPL	ALS Bottle#:	11	Worklist Smp#:	13
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

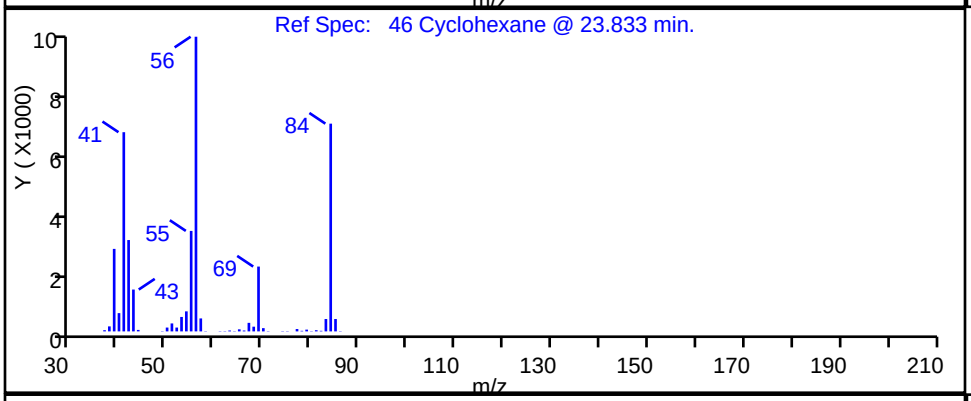
46 Cyclohexane, CAS: 110-82-7

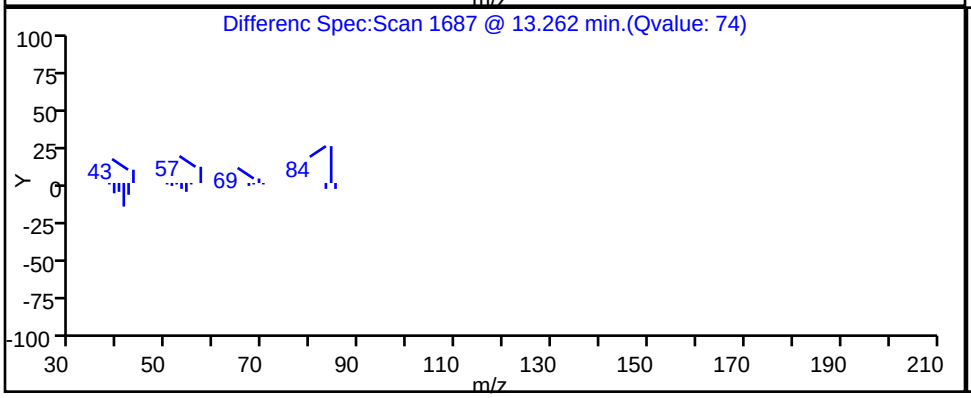


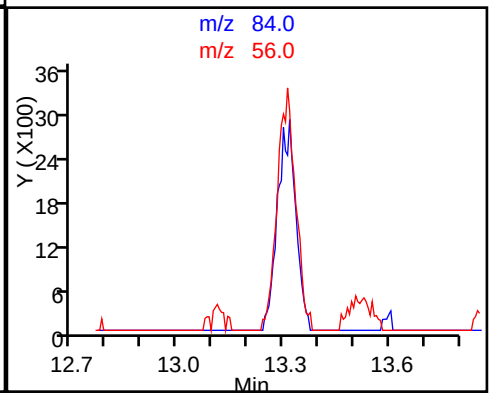












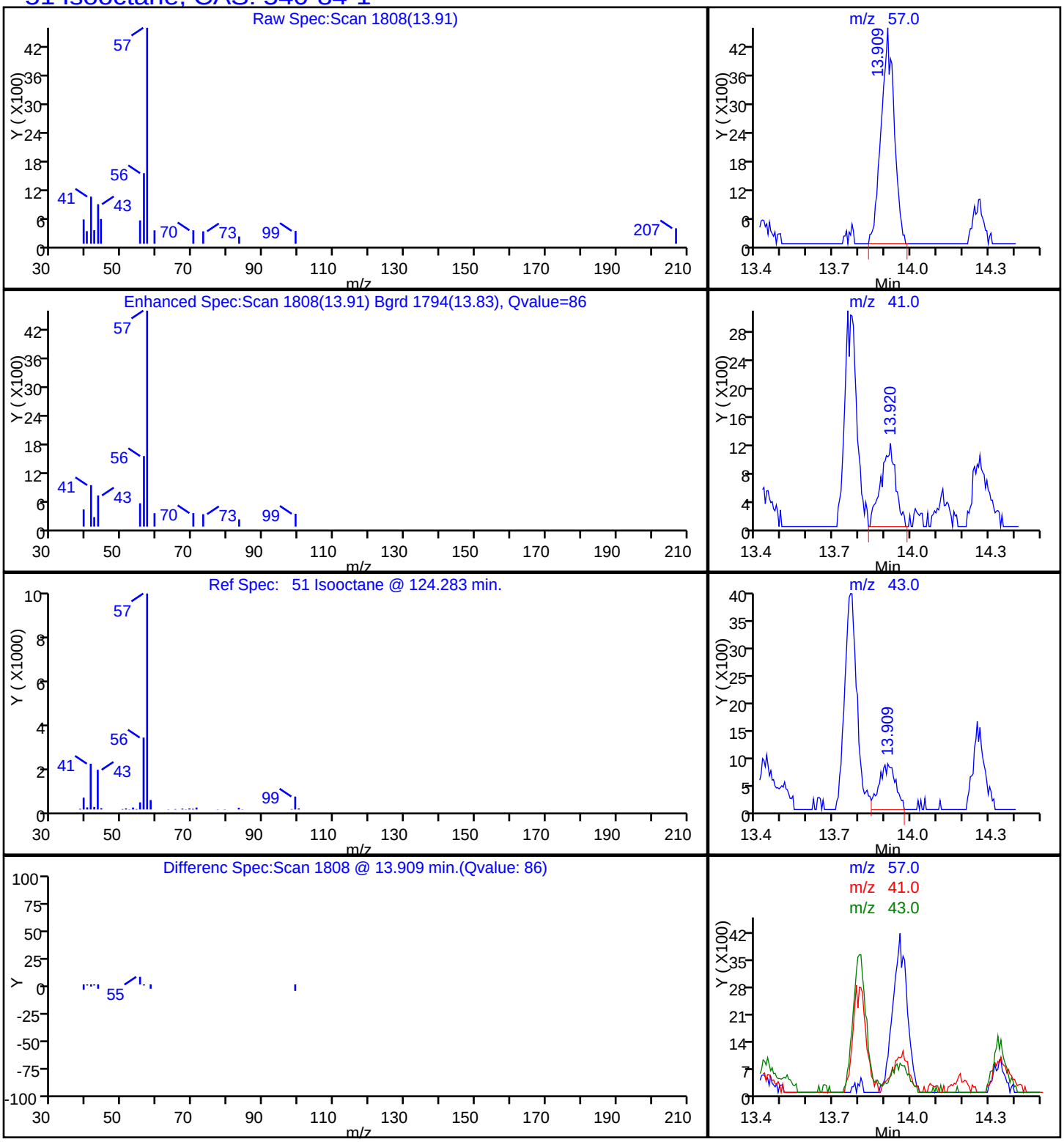
Report Date: 01-Aug-2014 10:35:54 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140731-8801.b\8801_013.d

Injection Date:	31-Jul-2014 21:11:30	Instrument ID:	CHW.i		
Lims ID:	280-58003-A-6	Lab Sample ID:	200-58003-6		
Client ID:	776VMP0201KA				
Operator ID:	BPL	ALS Bottle#:	11	Worklist Smp#:	13
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
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



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TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140731-8801.b\8801_013.d

Injection Date:	31-Jul-2014 21:11:30	Instrument ID:	CHW.i		
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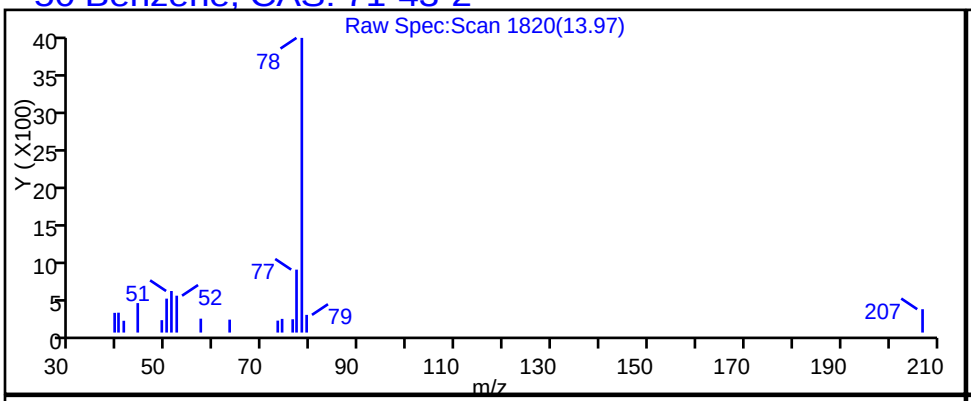
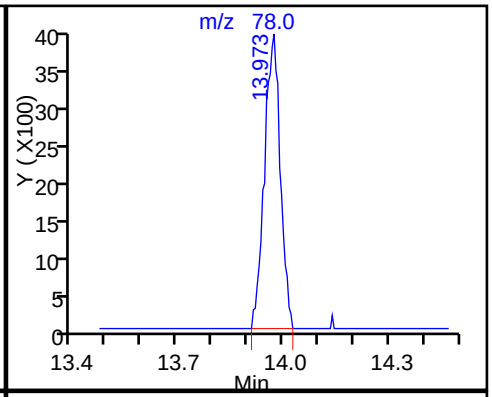
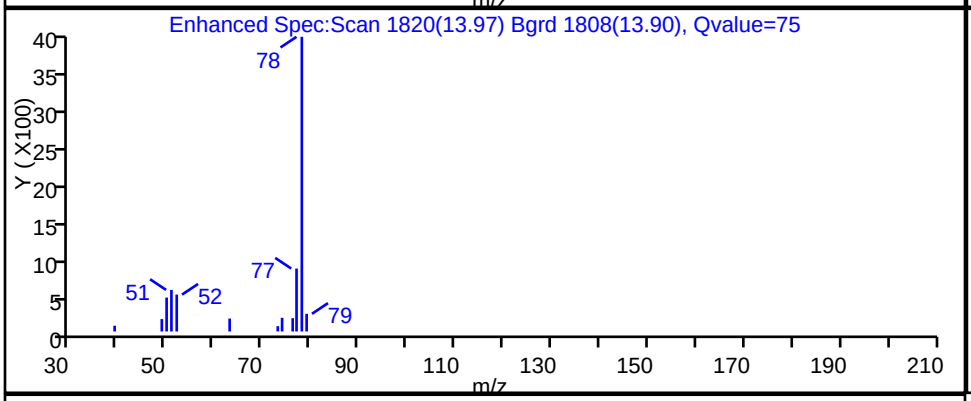
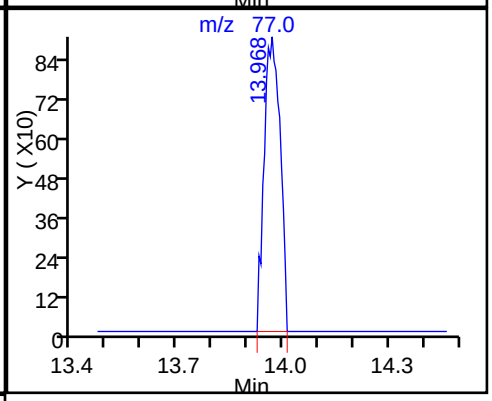
Client ID:	776VMP0201KA				
Operator ID:	BPL	ALS Bottle#:	11	Worklist Smp#:	13
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

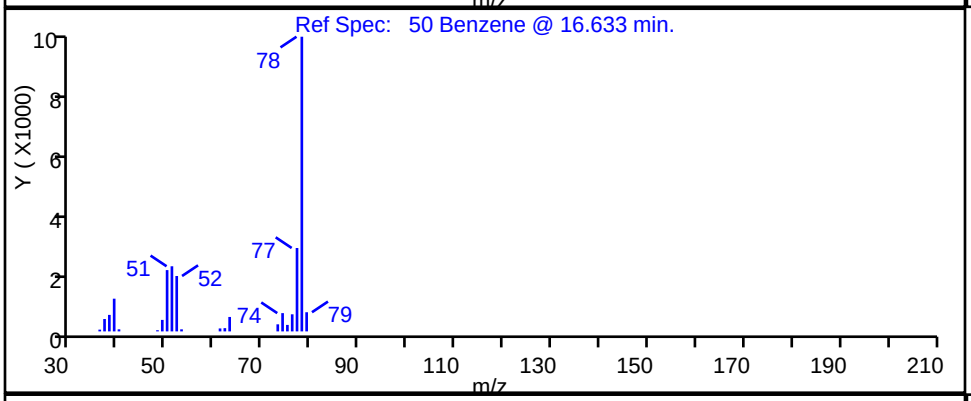
50 Benzene, CAS: 71-43-2

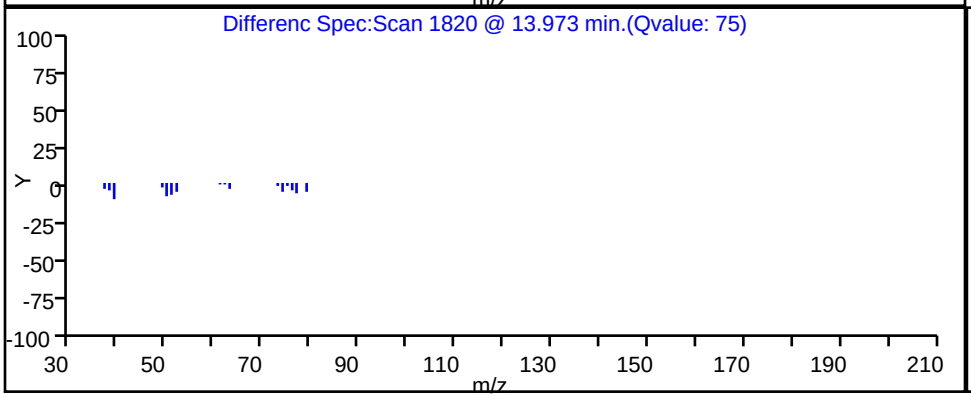


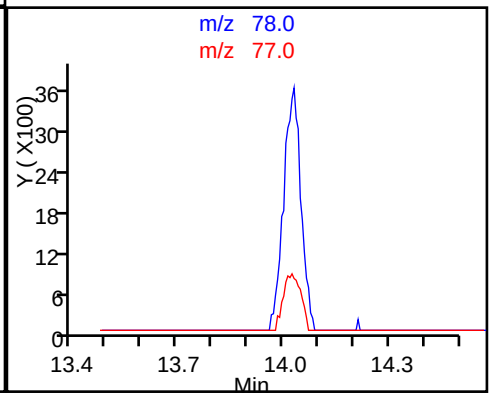












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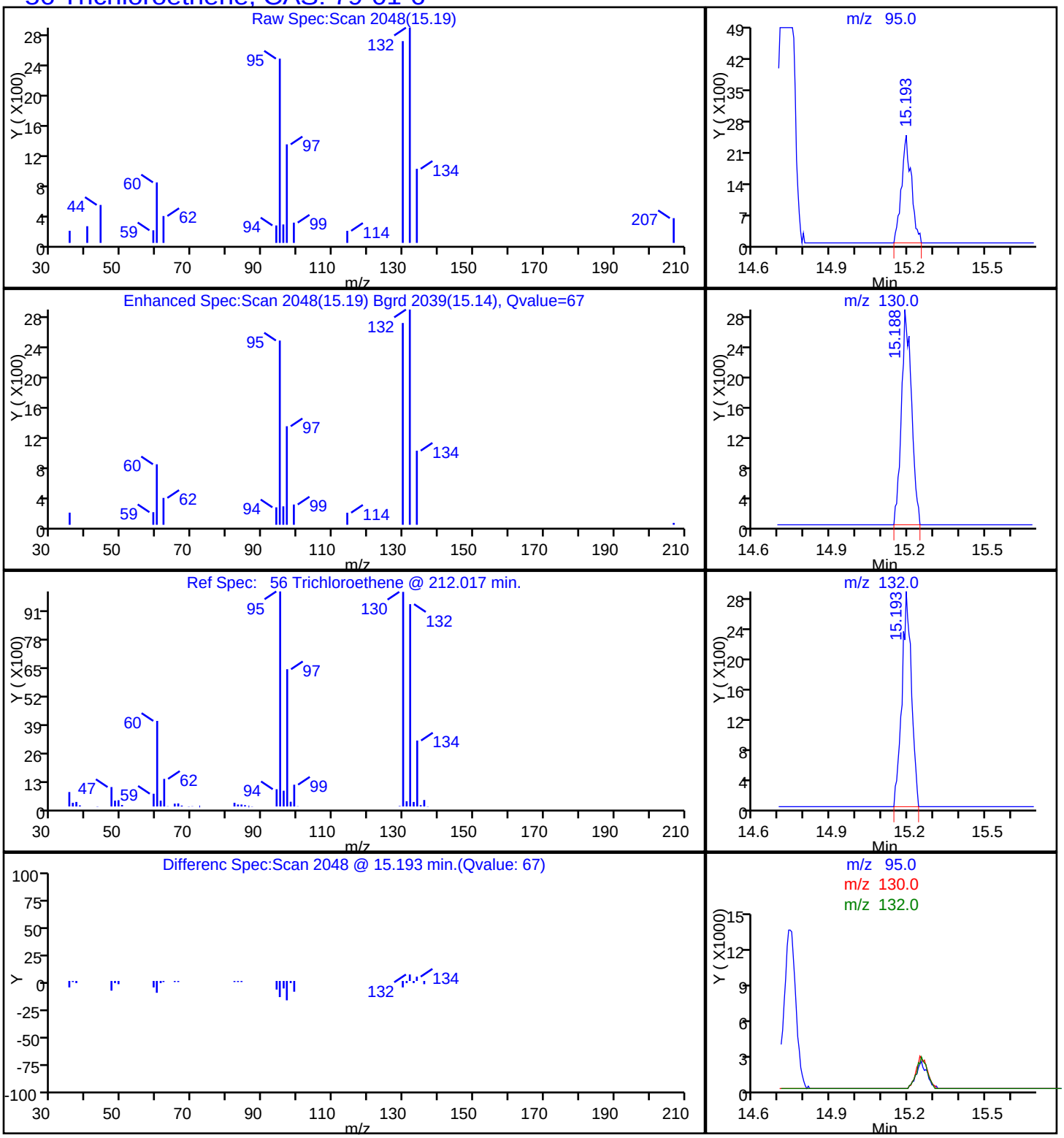
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140731-8801.b\8801_013.d

Injection Date:	31-Jul-2014 21:11:30	Instrument ID:	CHW.i		
Lims ID:	280-58003-A-6	Lab Sample ID:	200-58003-6		
Client ID:	776VMP0201KA				
Operator ID:	BPL	ALS Bottle#:	11	Worklist Smp#:	13
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
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



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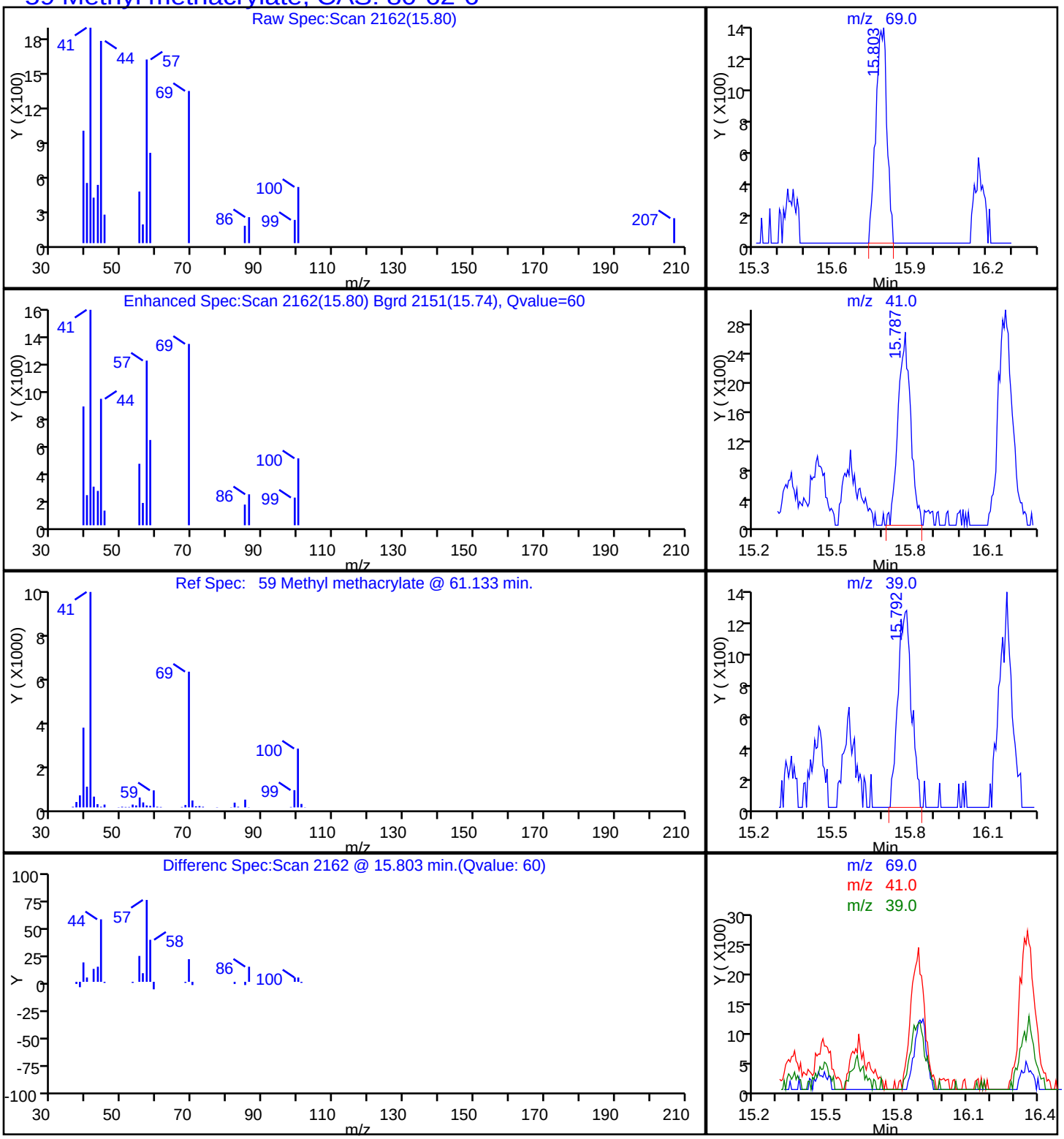
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140731-8801.b\8801_013.d

Injection Date:	31-Jul-2014 21:11:30	Instrument ID:	CHW.i		
Lims ID:	280-58003-A-6	Lab Sample ID:	200-58003-6		
Client ID:	776VMP0201KA				
Operator ID:	BPL	ALS Bottle#:	11	Worklist Smp#:	13
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
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



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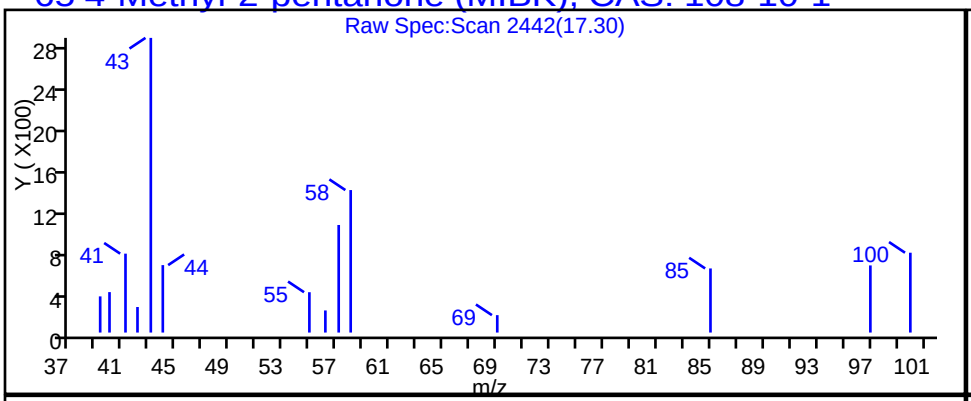
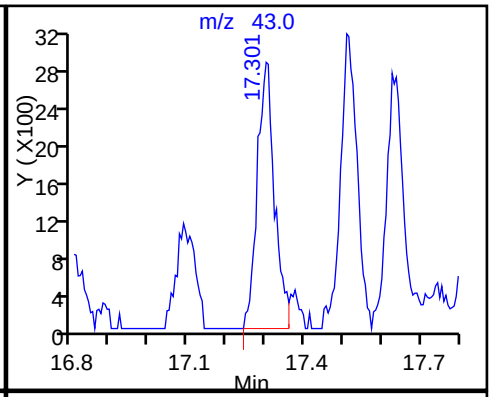
TestAmerica Burlington

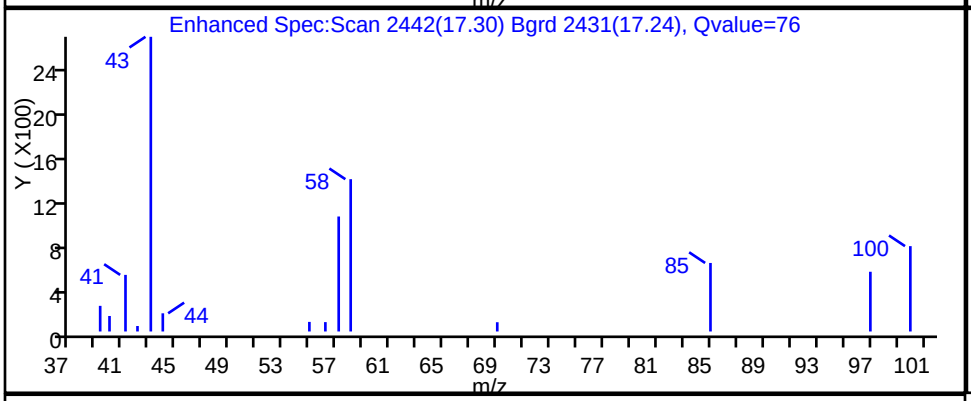
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140731-8801.b\8801_013.d

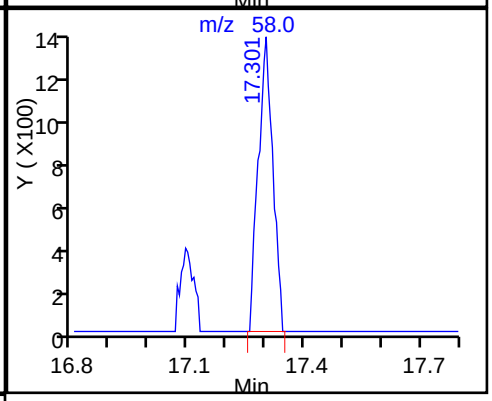
Injection Date:	31-Jul-2014 21:11:30	Instrument ID:	CHW.i		
Lims ID:	280-58003-A-6	Lab Sample ID:	200-58003-6		
Client ID:	776VMP0201KA				
Operator ID:	BPL	ALS Bottle#:	11	Worklist Smp#:	13
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

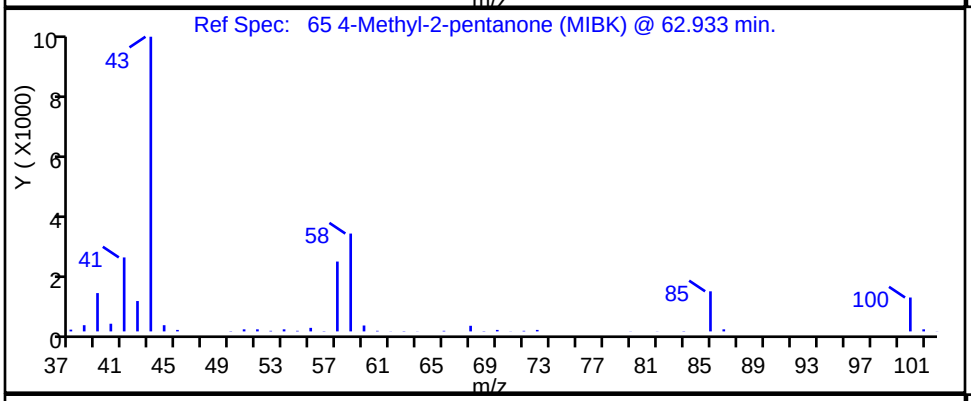
65 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

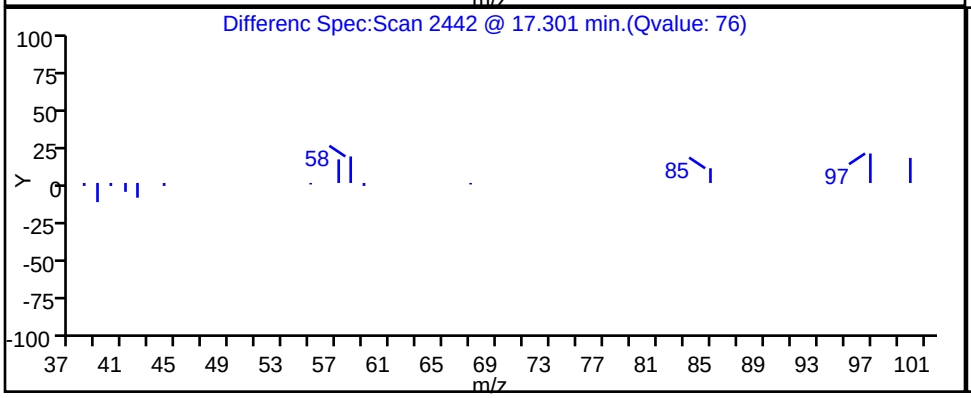


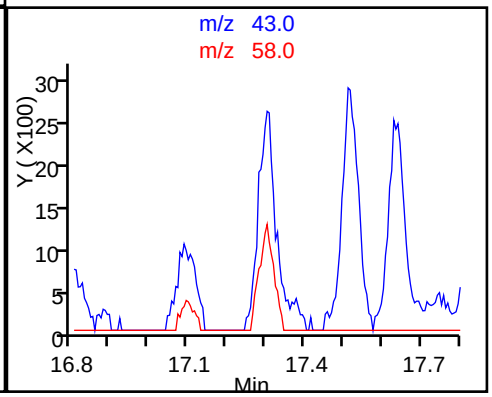












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Injection Date:	31-Jul-2014 21:11:30	Instrument ID:	CHW.i		
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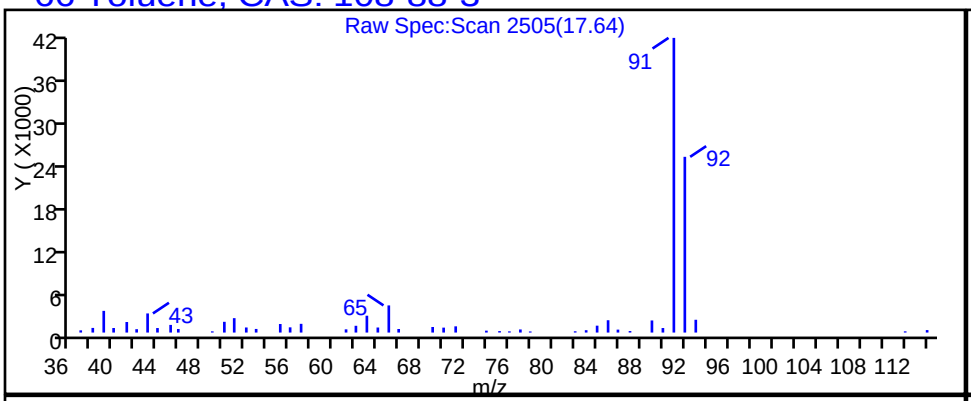
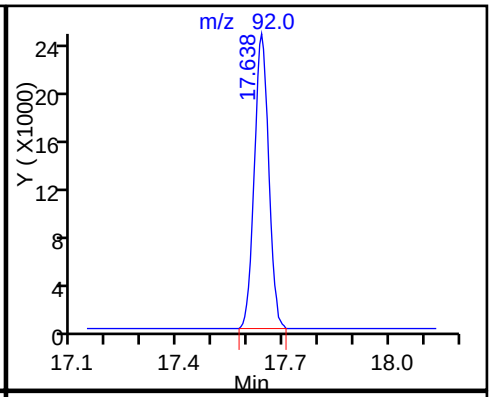
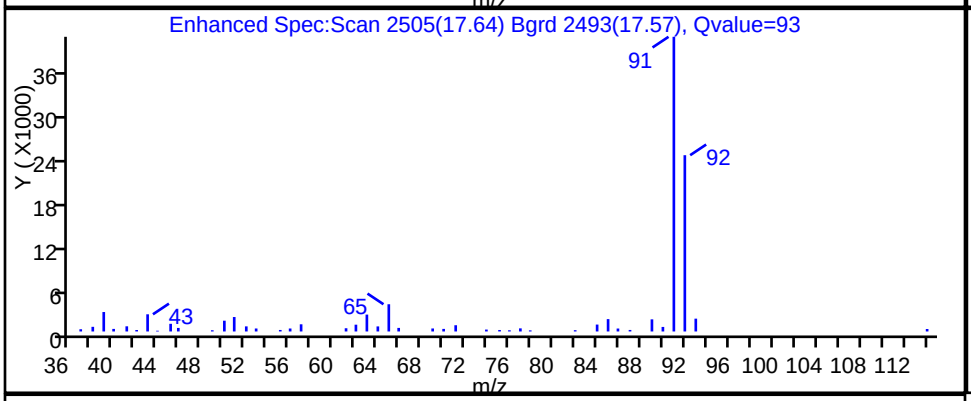
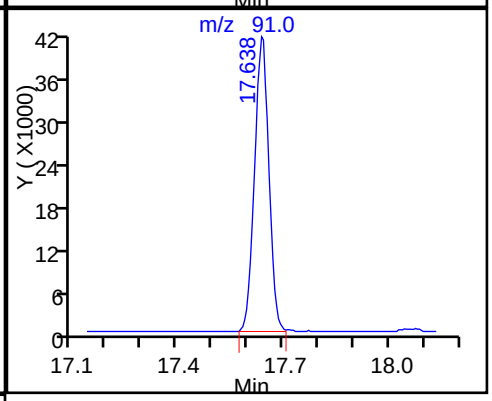
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

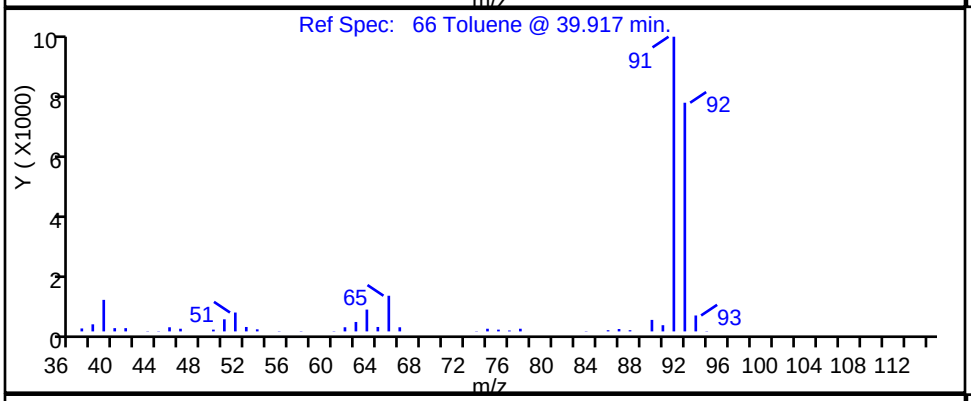
66 Toluene, CAS: 108-88-3

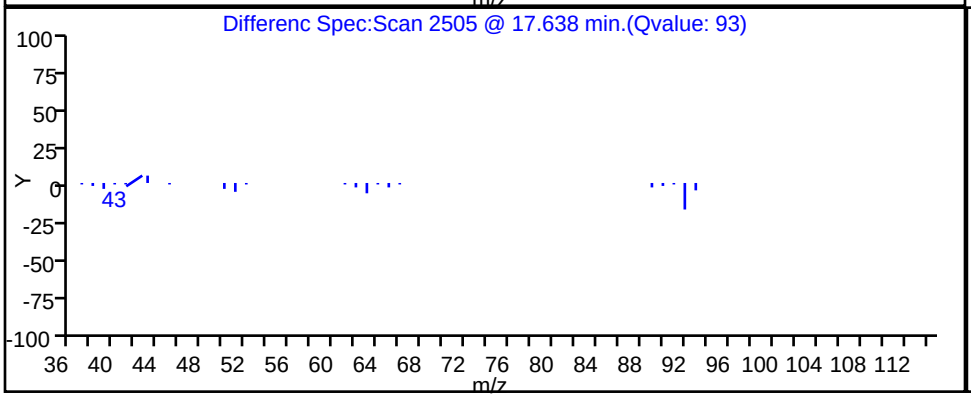


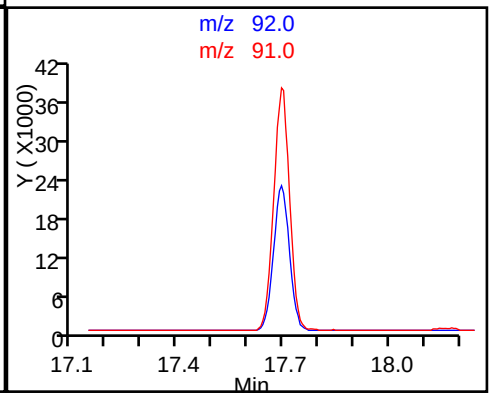












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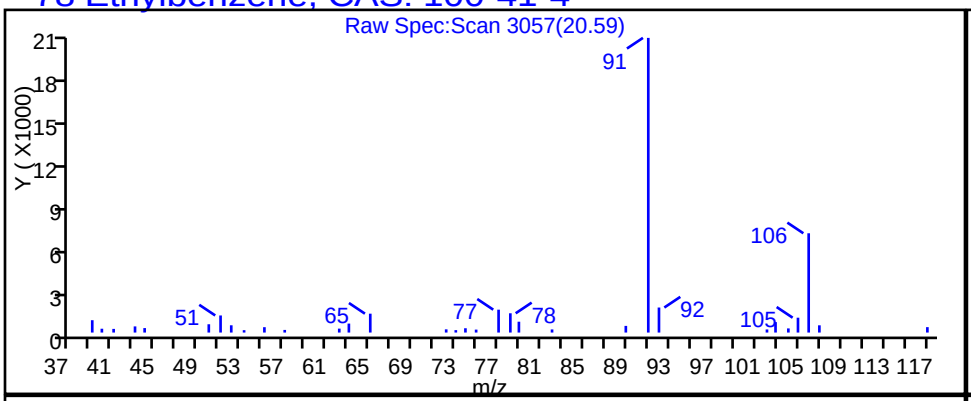
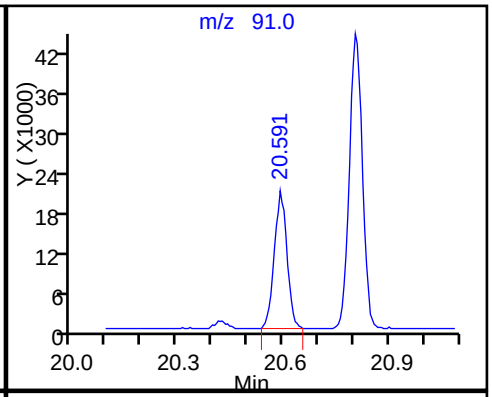
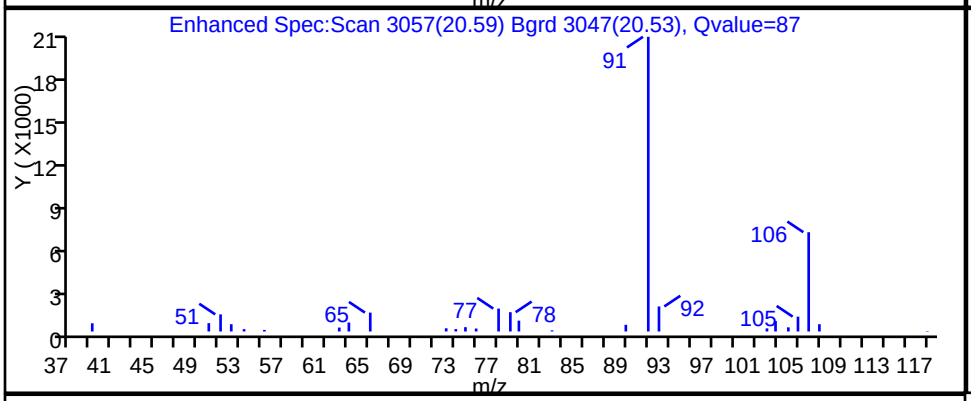
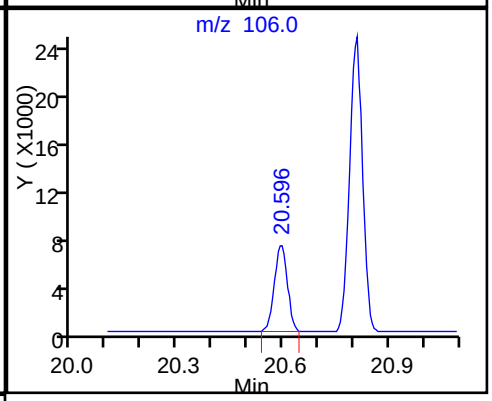
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

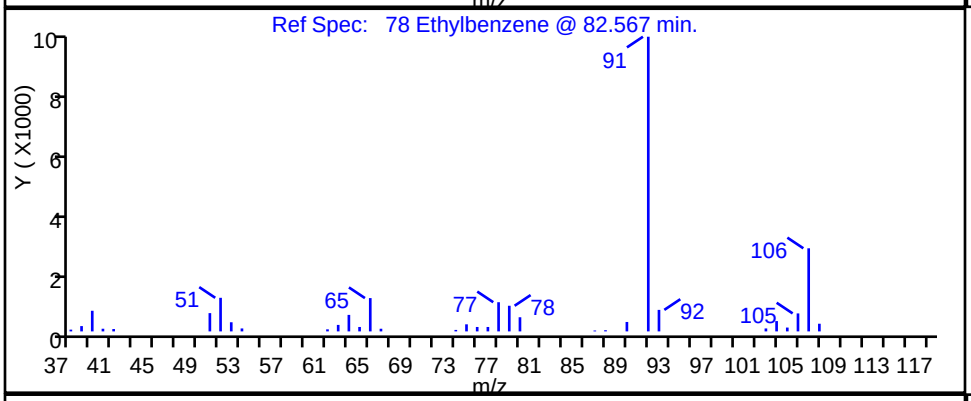
78 Ethylbenzene, CAS: 100-41-4

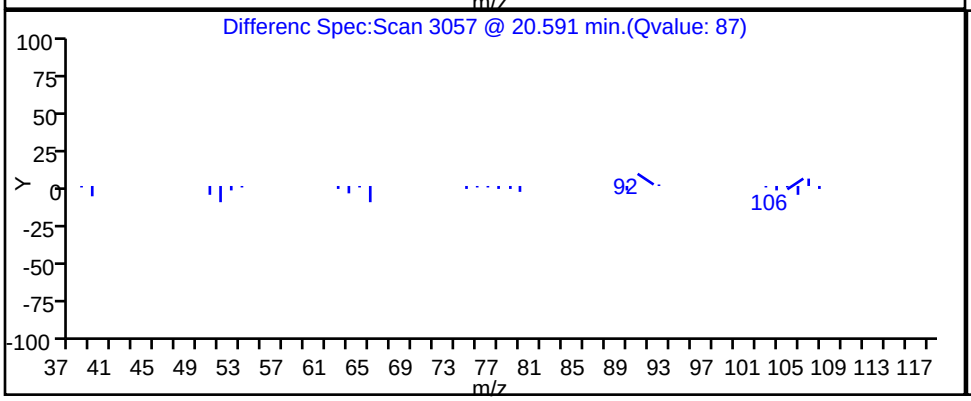


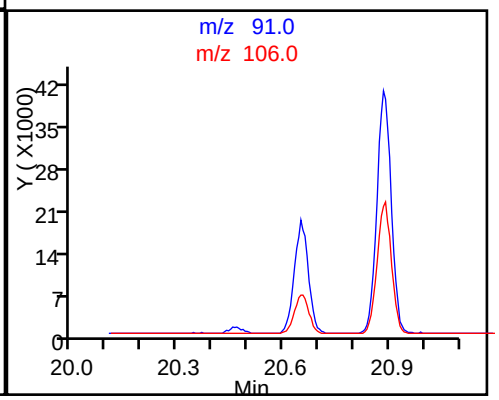












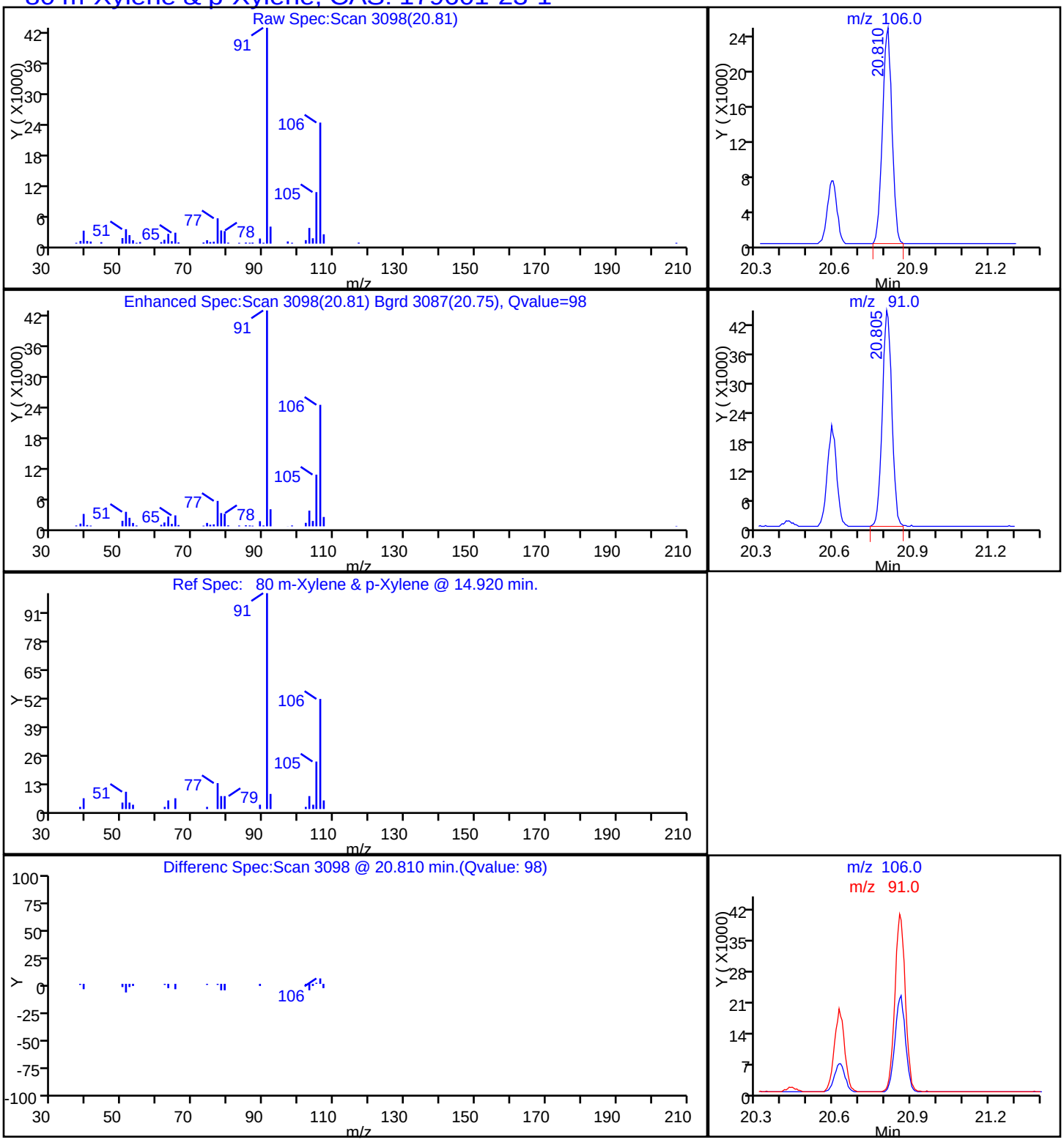
Report Date: 01-Aug-2014 10:35:54 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140731-8801.b\8801_013.d

Injection Date:	31-Jul-2014 21:11:30	Instrument ID:	CHW.i		
Lims ID:	280-58003-A-6	Lab Sample ID:	200-58003-6		
Client ID:	776VMP0201KA				
Operator ID:	BPL	ALS Bottle#:	11	Worklist Smp#:	13
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
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

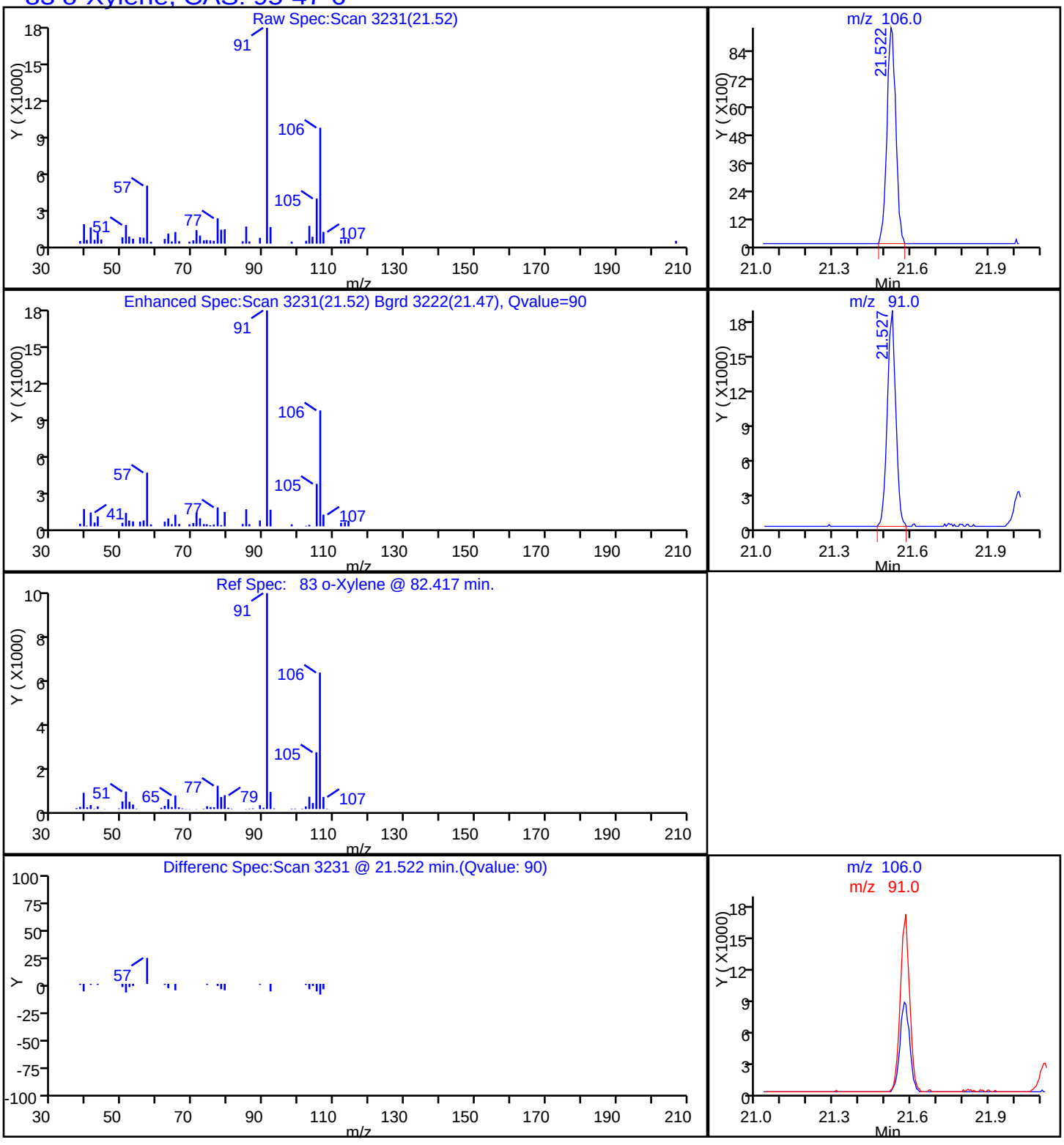


Report Date: 01-Aug-2014 10:35:54 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140731-8801.b\8801_013.d				
Injection Date:	31-Jul-2014 21:11:30	Instrument ID:	CHW.i		
Lims ID:	280-58003-A-6	Lab Sample ID:	200-58003-6		
Client ID:	776VMP0201KA				
Operator ID:	BPL	ALS Bottle#:	11	Worklist Smp#:	13
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
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



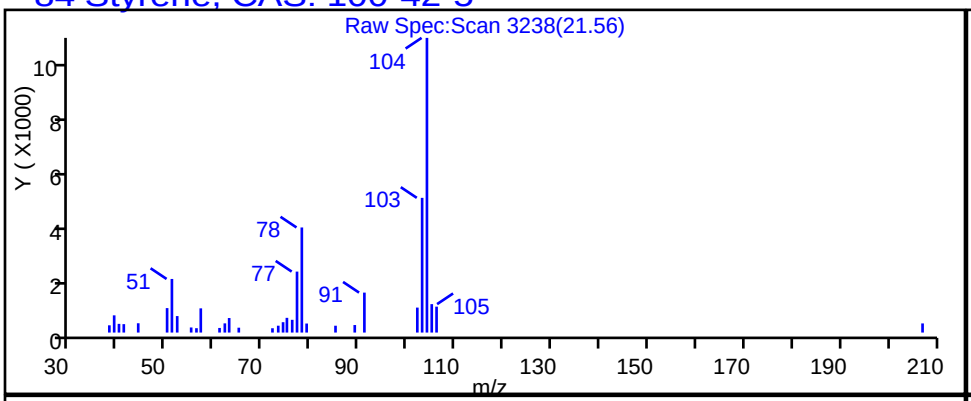
Report Date: 01-Aug-2014 10:35:54 Chrom Revision: 2.2 24-Jun-2014 07:21:42

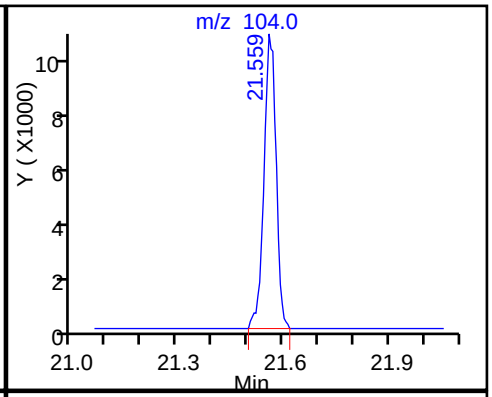
TestAmerica Burlington

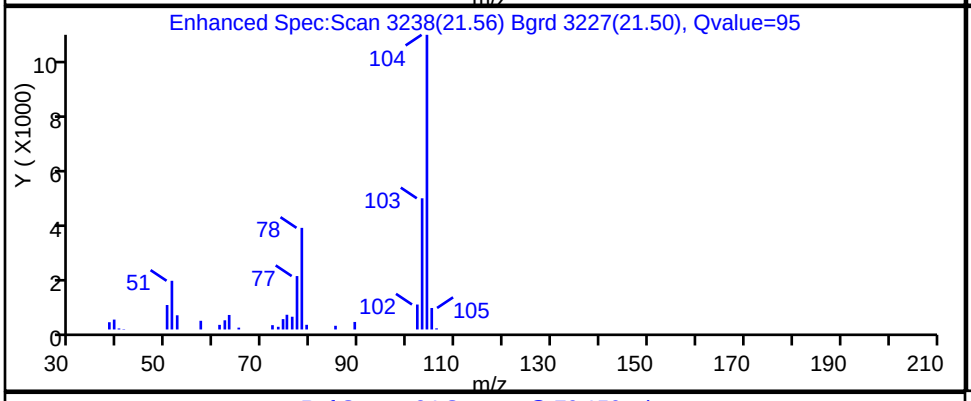
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140731-8801.b\8801_013.d

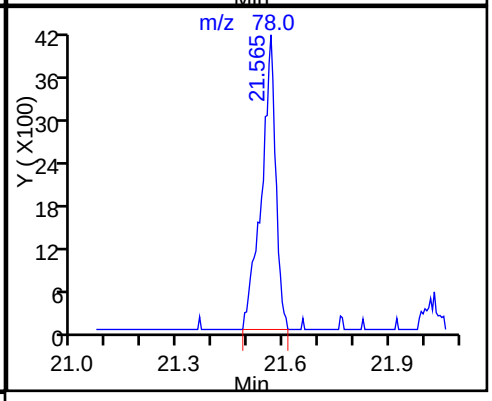
Injection Date:	31-Jul-2014 21:11:30	Instrument ID:	CHW.i		
Lims ID:	280-58003-A-6	Lab Sample ID:	200-58003-6		
Client ID:	776VMP0201KA				
Operator ID:	BPL	ALS Bottle#:	11	Worklist Smp#:	13
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

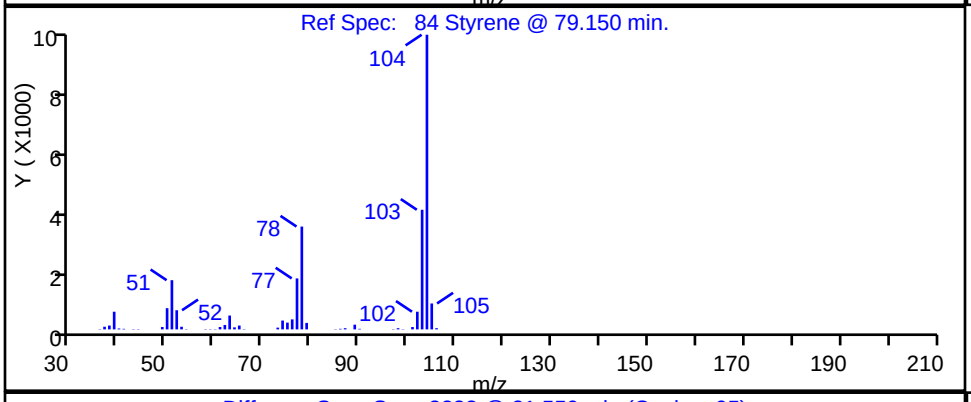
84 Styrene, CAS: 100-42-5

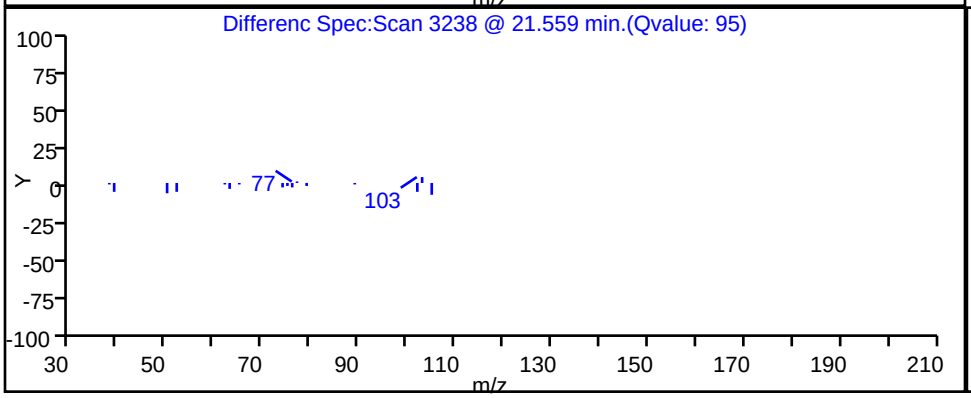


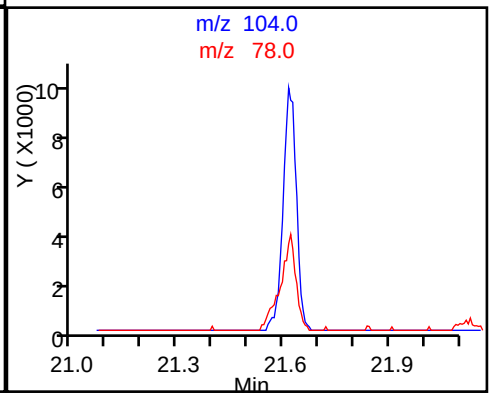












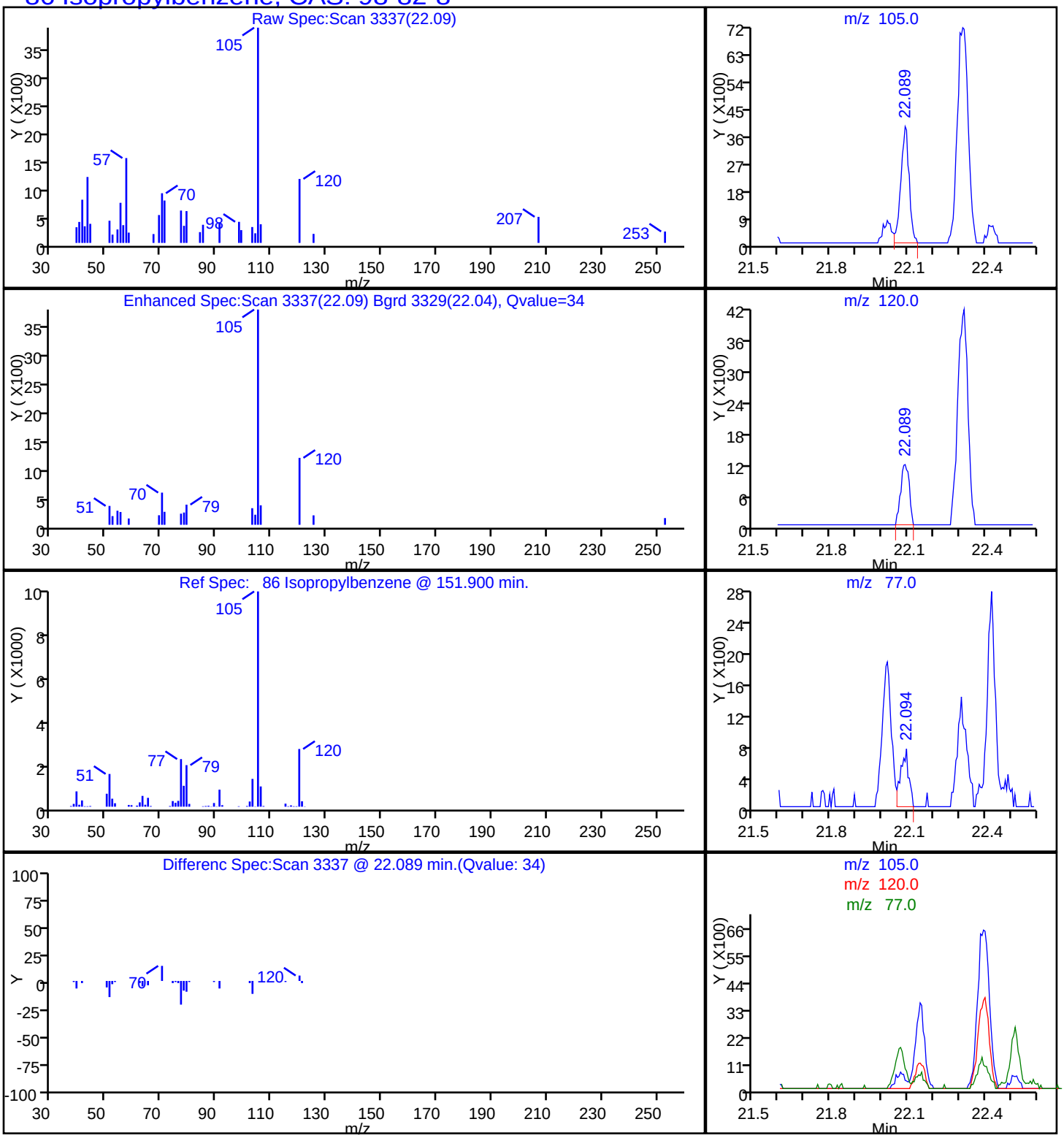
Report Date: 01-Aug-2014 10:35:54 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140731-8801.b\8801_013.d

Injection Date:	31-Jul-2014 21:11:30	Instrument ID:	CHW.i		
Lims ID:	280-58003-A-6	Lab Sample ID:	200-58003-6		
Client ID:	776VMP0201KA				
Operator ID:	BPL	ALS Bottle#:	11	Worklist Smp#:	13
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
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



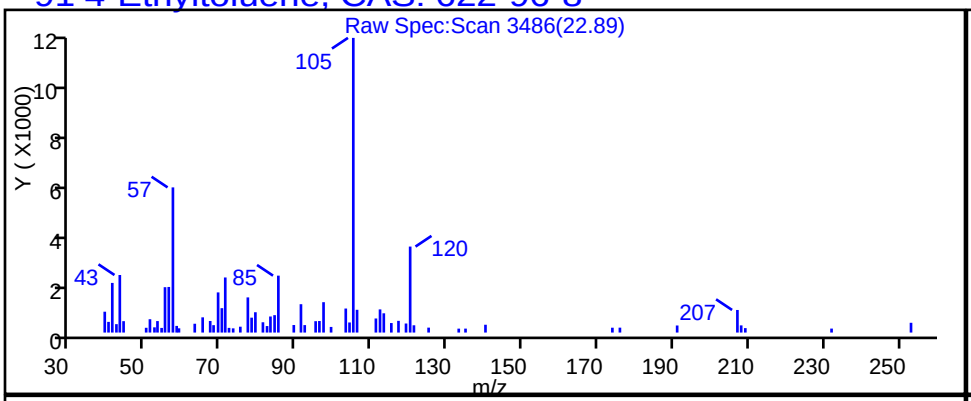
Report Date: 01-Aug-2014 10:35:54 Chrom Revision: 2.2 24-Jun-2014 07:21:42

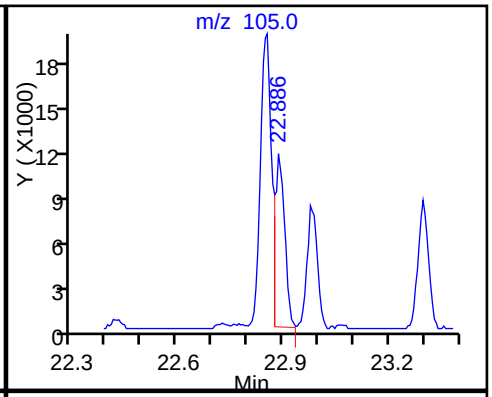
TestAmerica Burlington

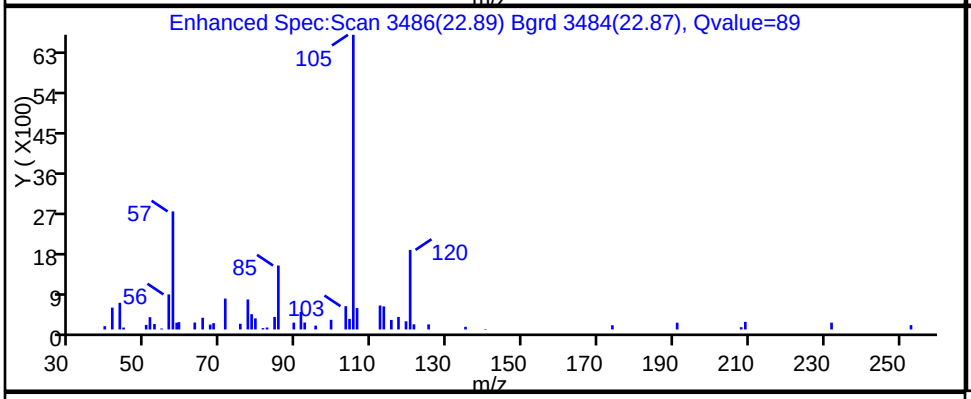
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140731-8801.b\8801_013.d

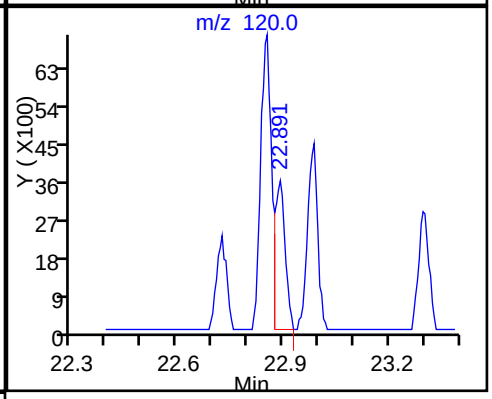
Injection Date:	31-Jul-2014 21:11:30	Instrument ID:	CHW.i		
Lims ID:	280-58003-A-6	Lab Sample ID:	200-58003-6		
Client ID:	776VMP0201KA				
Operator ID:	BPL	ALS Bottle#:	11	Worklist Smp#:	13
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

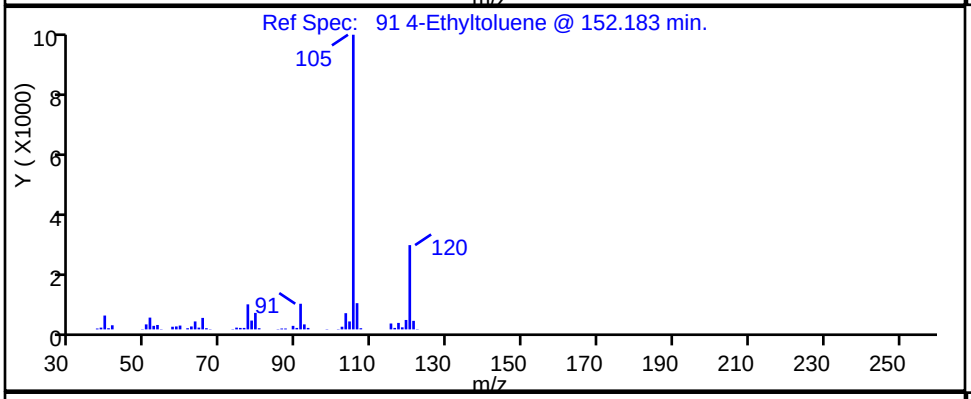
91 4-Ethyltoluene, CAS: 622-96-8

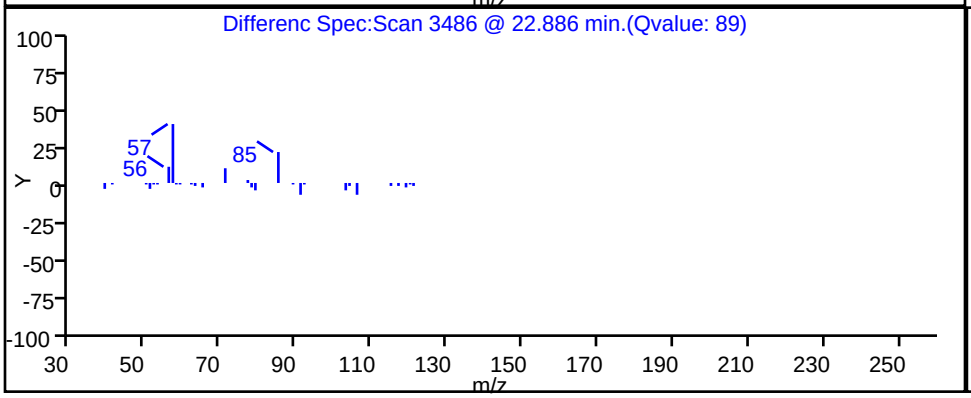


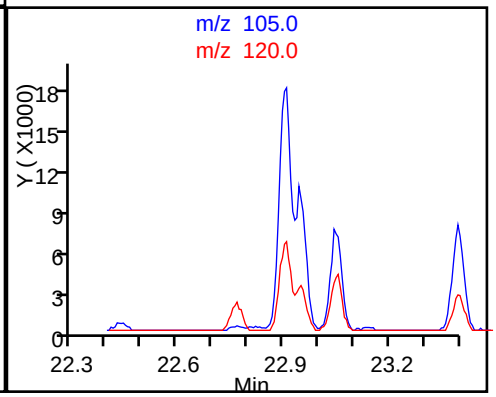












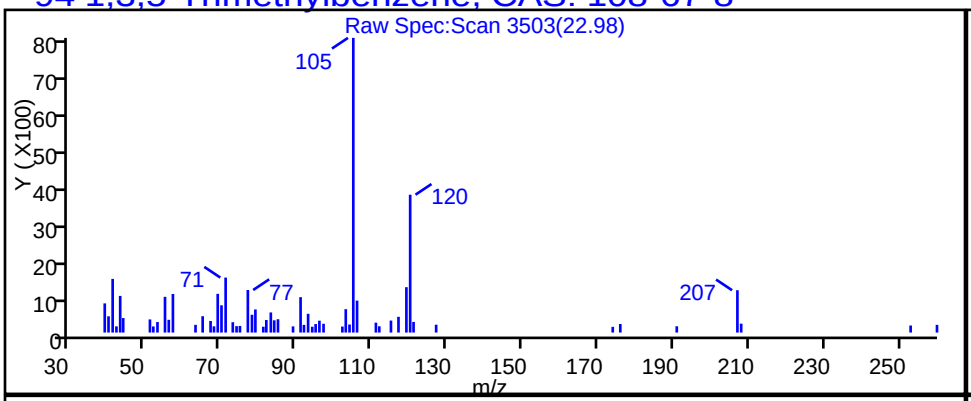
Report Date: 01-Aug-2014 10:35:54 Chrom Revision: 2.2 24-Jun-2014 07:21:42

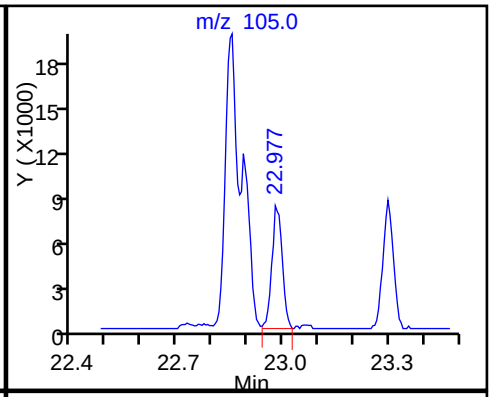
TestAmerica Burlington

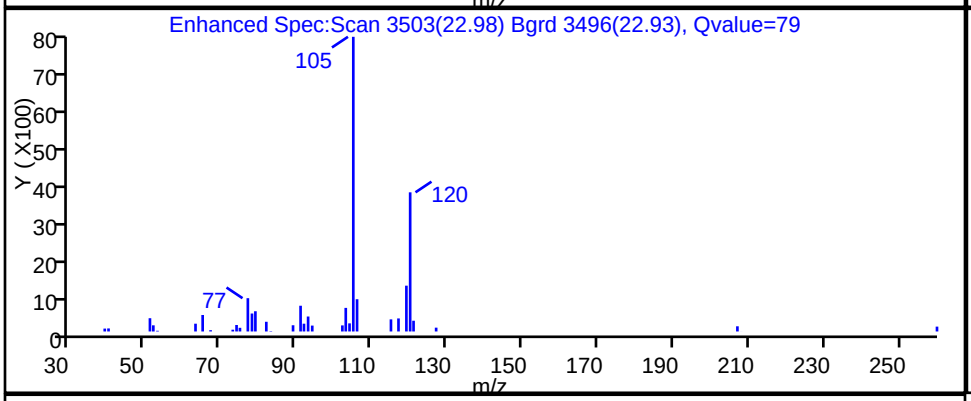
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140731-8801.b\8801_013.d

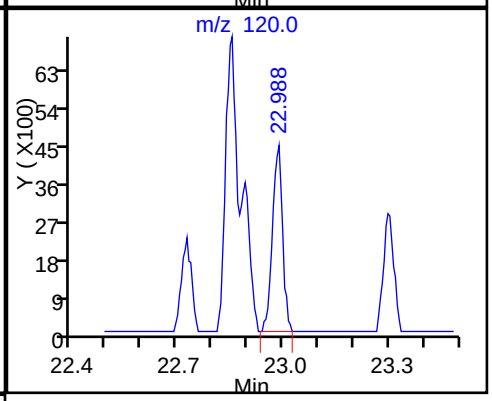
Injection Date:	31-Jul-2014 21:11:30	Instrument ID:	CHW.i		
Lims ID:	280-58003-A-6	Lab Sample ID:	200-58003-6		
Client ID:	776VMP0201KA				
Operator ID:	BPL	ALS Bottle#:	11	Worklist Smp#:	13
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

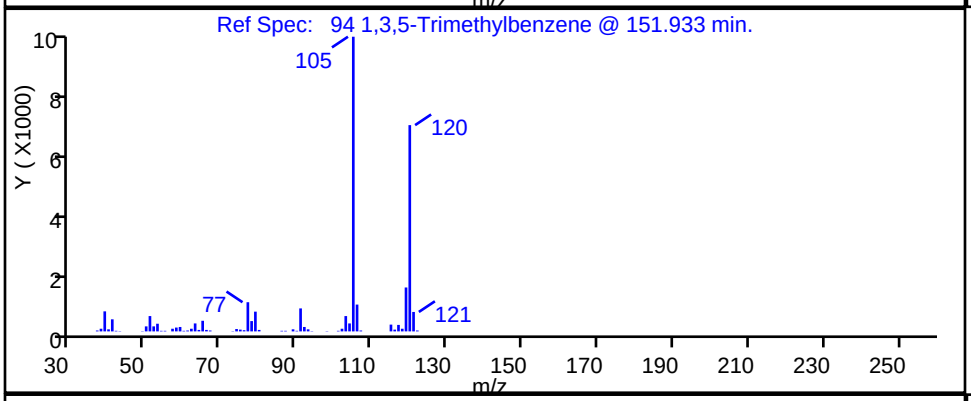
94 1,3,5-Trimethylbenzene, CAS: 108-67-8

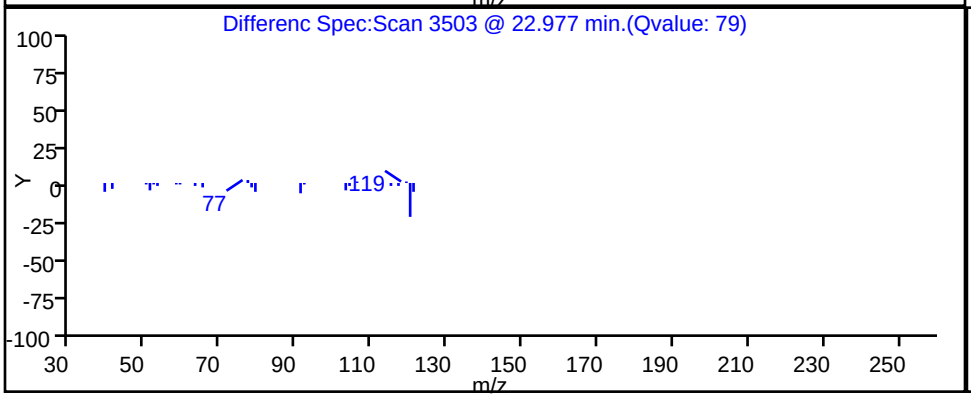


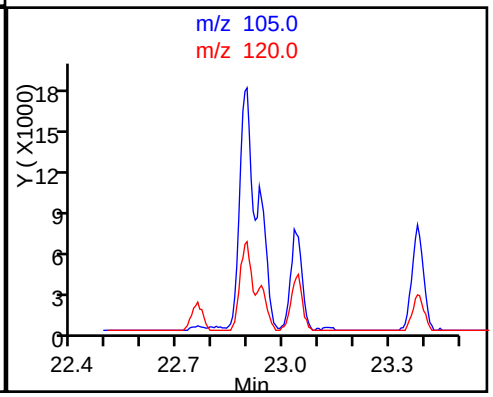












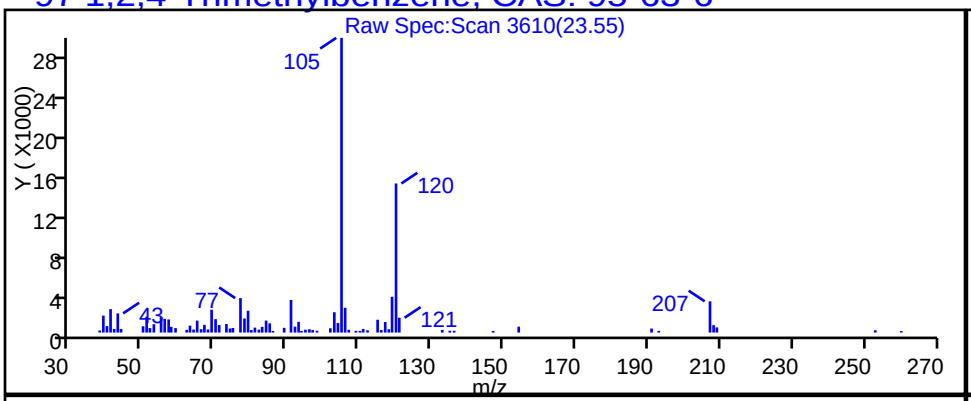
Report Date: 01-Aug-2014 10:35:54 Chrom Revision: 2.2 24-Jun-2014 07:21:42

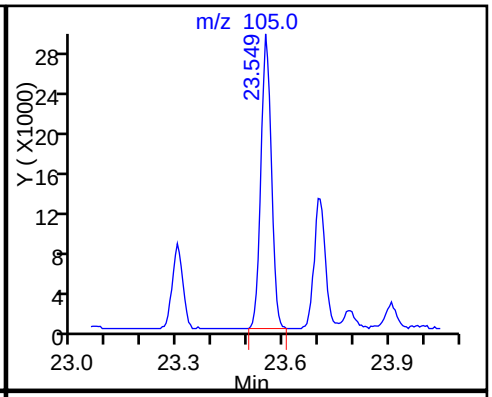
TestAmerica Burlington

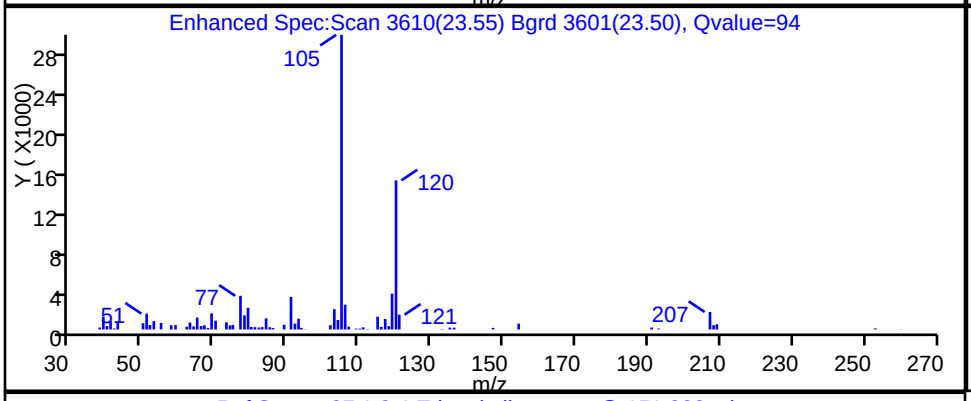
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140731-8801.b\8801_013.d

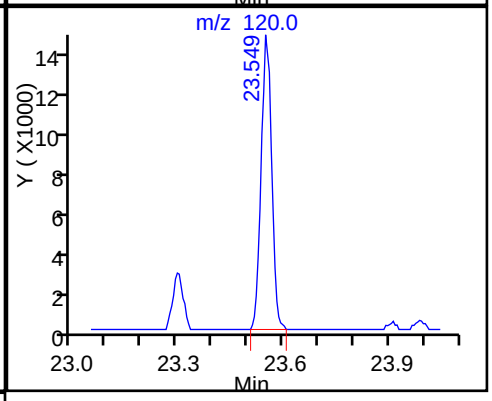
Injection Date:	31-Jul-2014 21:11:30	Instrument ID:	CHW.i		
Lims ID:	280-58003-A-6	Lab Sample ID:	200-58003-6		
Client ID:	776VMP0201KA				
Operator ID:	BPL	ALS Bottle#:	11	Worklist Smp#:	13
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

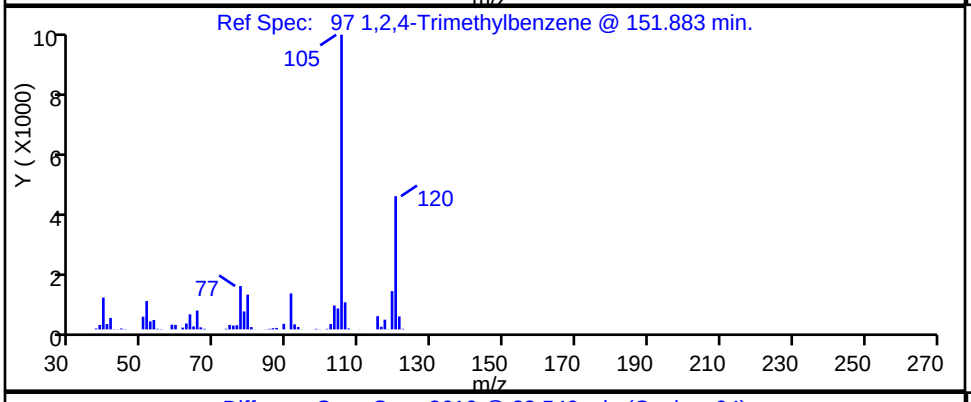
97 1,2,4-Trimethylbenzene, CAS: 95-63-6

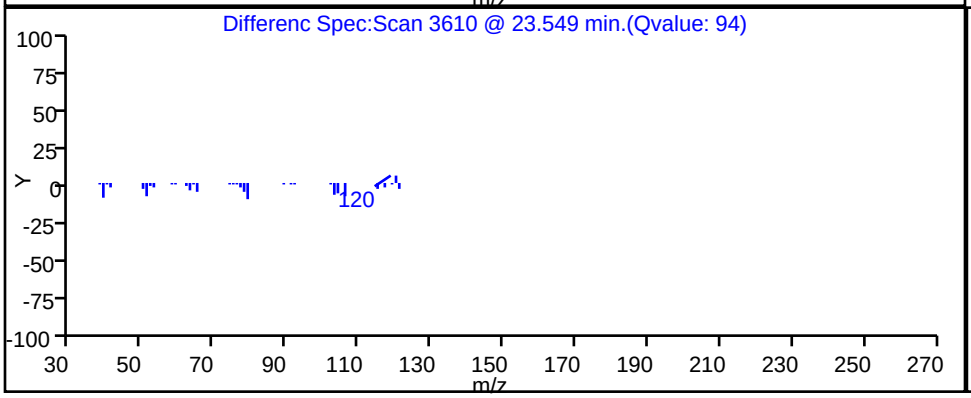


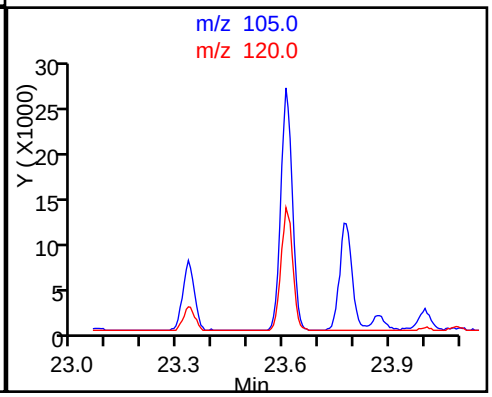












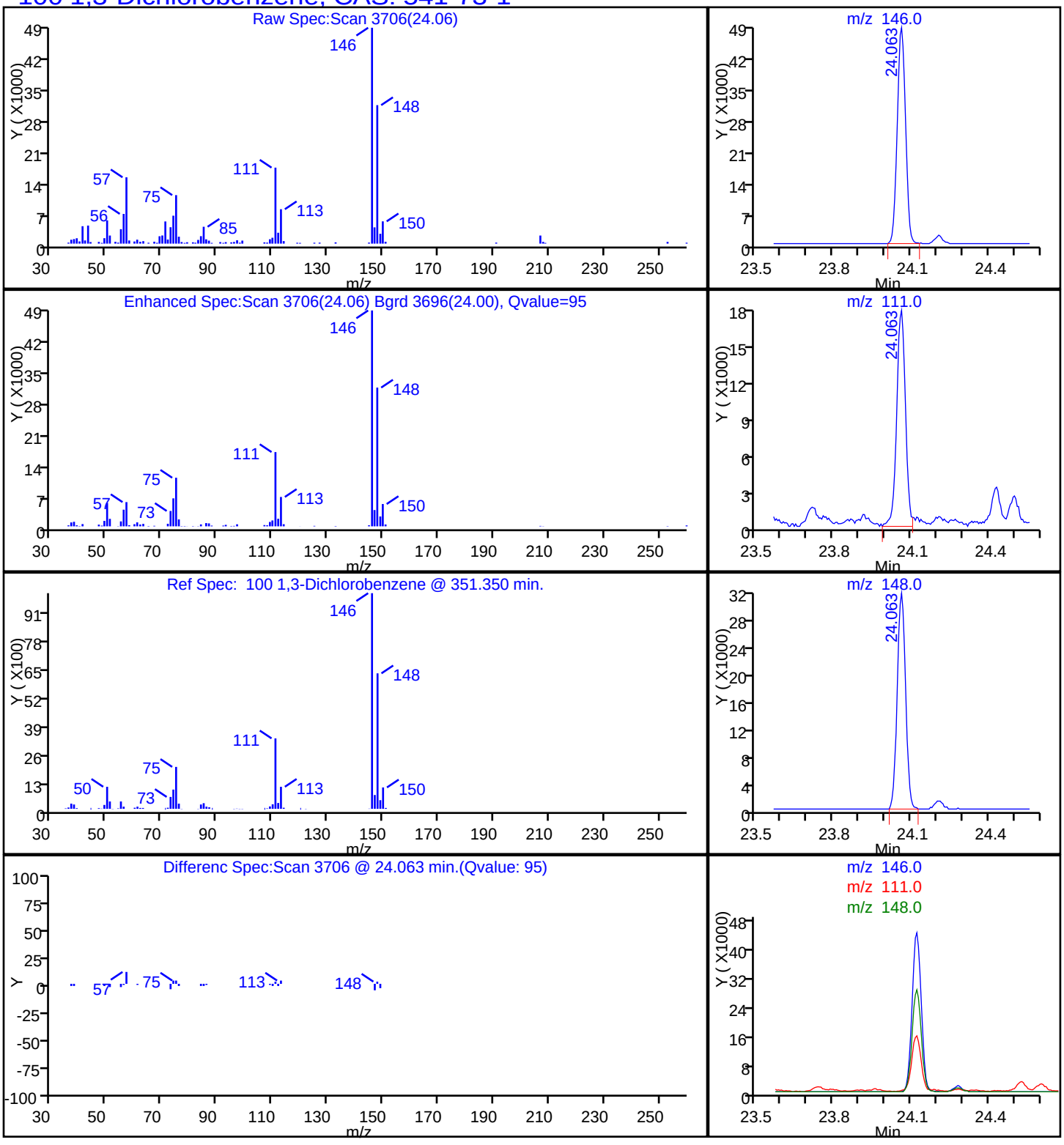
Report Date: 01-Aug-2014 10:35:54 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140731-8801.b\8801_013.d

Injection Date:	31-Jul-2014 21:11:30	Instrument ID:	CHW.i		
Lims ID:	280-58003-A-6	Lab Sample ID:	200-58003-6		
Client ID:	776VMP0201KA				
Operator ID:	BPL	ALS Bottle#:	11	Worklist Smp#:	13
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
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



Manual Integration/User Assign Peak Report

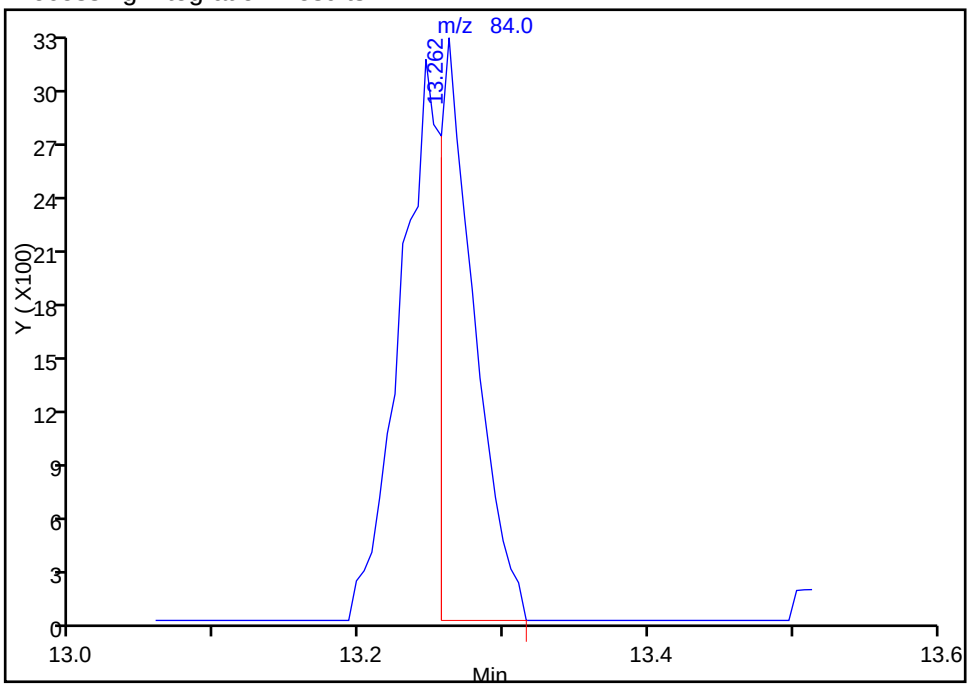
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140731-8801.b\8801_013.d				
Injection Date:	31-Jul-2014 21:11:30	Instrument ID:	CHW.i		
Lims ID:	280-58003-A-6	Lab Sample ID:	200-58003-6		
Client ID:	776VMP0201KA				
Operator ID:	BPL	ALS Bottle#:	11	Worklist Smp#:	13
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
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

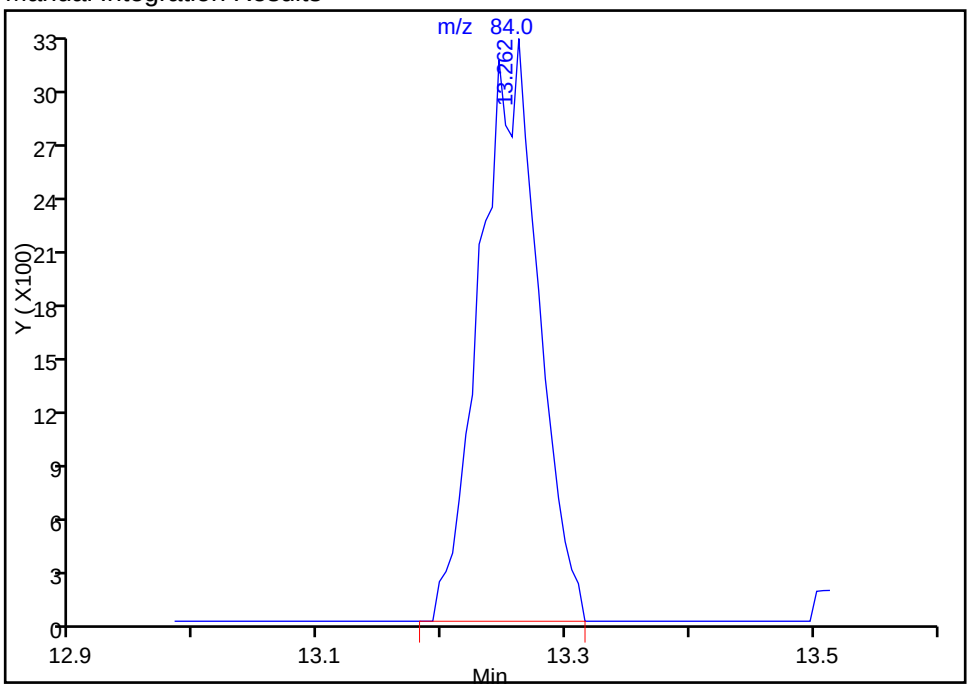
Processing Integration Results

RT: 13.26
Response: 5313
Amount: 0.085993



Manual Integration Results

RT: 13.26
Response: 10521
Amount: 0.170287



Reviewer: lyonsb, 01-Aug-2014 10:05:45
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

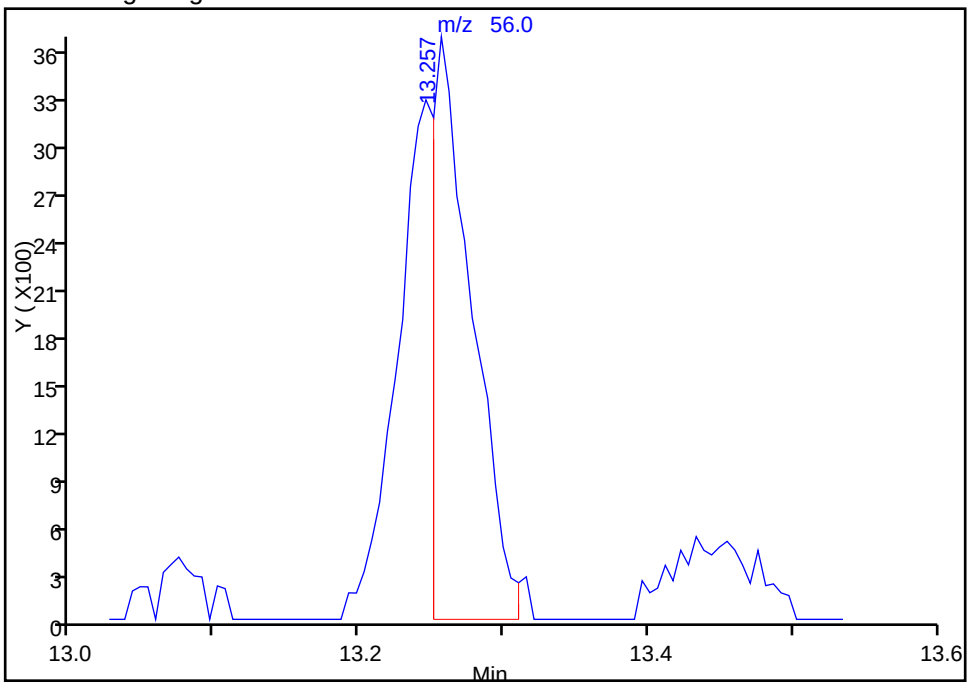
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140731-8801.b\8801_013.d				
Injection Date:	31-Jul-2014 21:11:30	Instrument ID:	CHW.i		
Lims ID:	280-58003-A-6	Lab Sample ID:	200-58003-6		
Client ID:	776VMP0201KA				
Operator ID:	BPL	ALS Bottle#:	11	Worklist Smp#:	13
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
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

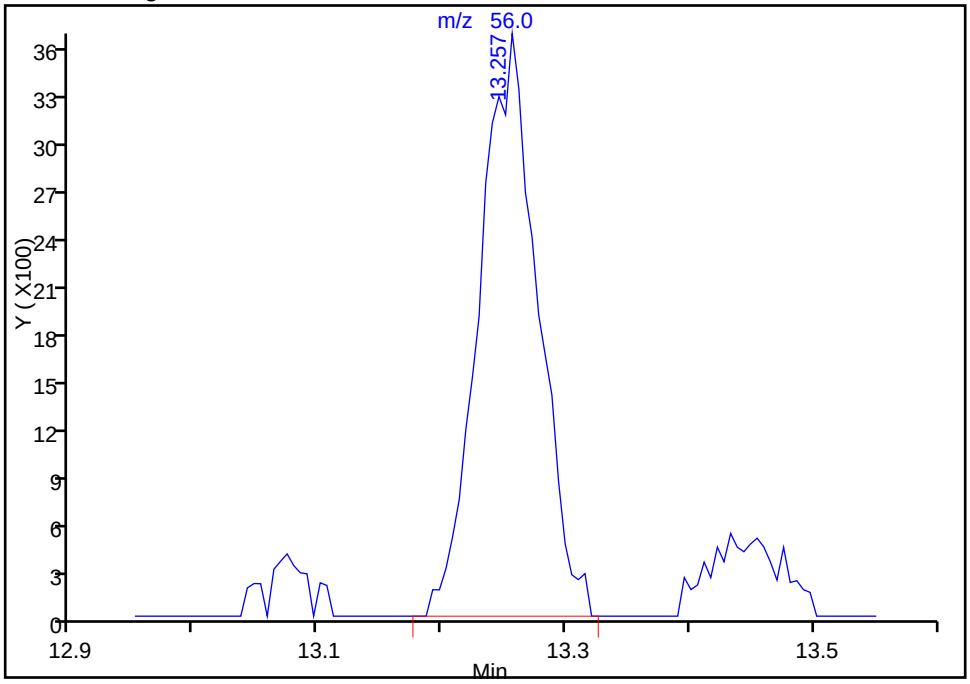
Processing Integration Results

RT: 13.26
Response: 7093
Amount: 0.085993



Manual Integration Results

RT: 13.26
Response: 12210
Amount: 0.170287



Reviewer: lyonsb, 01-Aug-2014 10:05:45
Audit Action: Manually Integrated
Audit Reason: Baseline Event

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

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Client Sample ID: 776VMP0301KA Lab Sample ID: 280-58003-7

Matrix: Air Lab File ID: 8801_014.d

Analysis Method: TO-15 Date Collected: 07/17/2014 12:10

Sample wt/vol: 200(mL) Date Analyzed: 07/31/2014 22:02

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75517 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	0.57		0.50	0.030
75-45-6	Freon 22	86.47	14		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	0.64		0.50	0.14
106-97-8	n-Butane	58.12	0.29	J	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	0.029	J	0.20	0.028
75-00-3	Chloroethane	64.52	0.035	J	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	0.23		0.20	0.030
76-13-1	Freon TF	187.38	0.075	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	11		5.0	1.3
67-63-0	Isopropyl alcohol	60.10	7.6		5.0	0.22
75-15-0	Carbon disulfide	76.14	0.64		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	0.17	J	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	0.069	J M	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	1.4		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	0.090	J	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	0.34		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	0.034	J	0.20	0.027
71-43-2	Benzene	78.11	0.096	J	0.20	0.019
107-06-2	1,2-Dichloroethane	98.96	0.067	J	0.20	0.017

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

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Client Sample ID: 776VMP0301KA Lab Sample ID: 280-58003-7

Matrix: Air Lab File ID: 8801_014.d

Analysis Method: TO-15 Date Collected: 07/17/2014 12:10

Sample wt/vol: 200(mL) Date Analyzed: 07/31/2014 22:02

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75517 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
142-82-5	n-Heptane	100.21	0.084	J	0.20	0.046
79-01-6	Trichloroethene	131.39	0.64		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	0.22	J	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	0.28	J	0.50	0.027
108-88-3	Toluene	92.14	0.23		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 M	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	0.092	J	0.20	0.013
179601-23-1	m,p-Xylene	106.17	0.23	J	0.50	0.023
95-47-6	Xylene, o-	106.17	0.079	J	0.20	0.016
1330-20-7	Xylene (total)	106.17	0.31		0.20	0.034
100-42-5	Styrene	104.15	0.10	J	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	0.025	J	0.20	0.018
108-67-8	1,3,5-Trimethylbenzene	120.20	0.022	J M	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	0.072	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.: 280-58003-1

SDG No.:

Client Sample ID: 776VMP0301KA Lab Sample ID: 280-58003-7

Matrix: Air Lab File ID: 8801_014.d

Analysis Method: TO-15 Date Collected: 07/17/2014 12:10

Sample wt/vol: 200(mL) Date Analyzed: 07/31/2014 22:02

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75517 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	0.23	J	0.50	0.20

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

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Client Sample ID: 776VMP0301KA Lab Sample ID: 280-58003-7

Matrix: Air Lab File ID: 8801_014.d

Analysis Method: TO-15 Date Collected: 07/17/2014 12:10

Sample wt/vol: 200(mL) Date Analyzed: 07/31/2014 22:02

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75517 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	2.8		2.5	0.15
75-45-6	Freon 22	86.47	50		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	1.3		1.0	0.28
106-97-8	n-Butane	58.12	0.69	J	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	0.11	J	0.78	0.11
75-00-3	Chloroethane	64.52	0.093	J	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		1.1	0.17
76-13-1	Freon TF	187.38	0.57	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	26		12	3.0
67-63-0	Isopropyl alcohol	60.10	19		12	0.53
75-15-0	Carbon disulfide	76.14	2.0		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	0.58	J	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	0.24	J M	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	4.0		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	0.44	J	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	1.2		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	0.16	J	0.93	0.13
71-43-2	Benzene	78.11	0.31	J	0.64	0.061
107-06-2	1,2-Dichloroethane	98.96	0.27	J	0.81	0.069

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

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Client Sample ID: 776VMP0301KA Lab Sample ID: 280-58003-7

Matrix: Air Lab File ID: 8801_014.d

Analysis Method: TO-15 Date Collected: 07/17/2014 12:10

Sample wt/vol: 200(mL) Date Analyzed: 07/31/2014 22:02

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75517 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
142-82-5	n-Heptane	100.21	0.34	J	0.82	0.19
79-01-6	Trichloroethene	131.39	3.5		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	0.79	J	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	1.1	J	2.0	0.11
108-88-3	Toluene	92.14	0.88		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 M	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	0.40	J	0.87	0.056
179601-23-1	m,p-Xylene	106.17	0.99	J	2.2	0.10
95-47-6	Xylene, o-	106.17	0.34	J	0.87	0.069
1330-20-7	Xylene (total)	106.17	1.3		0.87	0.15
100-42-5	Styrene	104.15	0.43	J	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	0.12	J	0.98	0.088
108-67-8	1,3,5-Trimethylbenzene	120.20	0.11	J M	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	0.36	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.: 280-58003-1

SDG No.:

Client Sample ID: 776VMP0301KA Lab Sample ID: 280-58003-7

Matrix: Air Lab File ID: 8801_014.d

Analysis Method: TO-15 Date Collected: 07/17/2014 12:10

Sample wt/vol: 200(mL) Date Analyzed: 07/31/2014 22:02

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75517 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	1.2	J	2.6	1.0

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140731-8801.b\8801_014.d
Lims ID: 280-58003-A-7 Lab Sample ID: 200-58003-7
Client ID: 776VMP0301KA
Sample Type: Client
Inject. Date: 31-Jul-2014 22:02:30 ALS Bottle#: 12 Worklist Smp#: 14
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0008801-014
Misc. Info.: 280-58003-a-7
Operator ID: BPL Instrument ID: CHW.i

Method: \\BTV-LIMS1\ChromData\CHW.i\20140731-8801.b\TO15_LLNJ_TO3_W_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 01-Aug-2014 10:24:29 Calib Date: 15-Jun-2014 00:33:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20140613-8058.b\8058_017.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK037

First Level Reviewer: lyonsb Date: 01-Aug-2014 10:08:03

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	4.483	4.494	-0.011	97	61997	0.5685	
6 Chlorodifluoromethane	51	4.547	4.558	-0.011	97	776691	14.2	
7 1,2-Dichloro-1,1,2,2-tetra	85		4.847				ND	
8 Chloromethane	50	5.034	5.039	-0.005	99	20585	0.6380	
9 Butane	43	5.291	5.307	-0.016	98	15596	0.2917	
10 Vinyl chloride	62		5.355				ND	
11 Butadiene	54		5.457				ND	
12 Bromomethane	94	6.307	6.329	-0.022	34	1158	0.0288	
14 Chloroethane	64	6.585	6.612	-0.027	1	796	0.0352	
16 Vinyl bromide	106		7.083				ND	
17 Trichlorofluoromethane	101	7.195	7.195	0.000	98	28216	0.2345	
23 1,1,2-Trichloro-1,2,2-trif	101	8.447	8.447	0.000	95	6910	0.0749	
24 1,1-Dichloroethene	96		8.522				ND	
25 Acetone	43	8.736	8.746	-0.010	90	632402	11.1	
26 Carbon disulfide	76	9.003	9.003	0.000	99	72503	0.6433	
27 Isopropyl alcohol	45	9.025	9.057	-0.032	98	365220	7.61	
29 3-Chloro-1-propene	41		9.399				ND	
31 Methylene Chloride	49	9.731	9.736	-0.005	80	6542	0.1675	
32 2-Methyl-2-propanol	59		9.918				ND	
33 Methyl tert-butyl ether	73		10.170				ND	
S 41 1,2-Dichloroethene, Total	61		10.200				0	
34 trans-1,2-Dichloroethene	61		10.228				ND	
36 Hexane	57	10.635	10.651	-0.016	65	4558	0.0693	M
37 1,1-Dichloroethane	63		11.191				ND	
39 cis-1,2-Dichloroethene	96		12.374				ND	
40 2-Butanone (MEK)	72	12.374	12.395	-0.021	98	32521	1.35	
44 Tetrahydrofuran	42		12.855				ND	
* 43 Chlorobromomethane	128	12.844	12.850	-0.006	74	372946	10.0	
45 Chloroform	83	12.957	12.962	-0.005	97	7988	0.0900	
46 Cyclohexane	84	13.256	13.262	-0.006	84	23148	0.3417	
47 1,1,1-Trichloroethane	97		13.262				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
48 Carbon tetrachloride	117		13.524				ND	
51 Isooctane	57	13.909	13.914	-0.005	96	6995	0.0345	
50 Benzene	78	13.968	13.973	-0.005	93	13726	0.0957	
52 1,2-Dichloroethane	62	14.128	14.134	-0.006	96	3549	0.0670	
53 n-Heptane	43	14.268	14.267	0.001	87	6145	0.0838	
* 54 1,4-Difluorobenzene	114	14.728	14.733	-0.005	92	1827807	10.0	
56 Trichloroethene	95	15.193	15.204	-0.011	93	43160	0.6425	
58 1,2-Dichloropropane	63		15.717				ND	
59 Methyl methacrylate	69		15.803				ND	
60 1,4-Dioxane	88	15.894	15.899	-0.005	84	5403	0.2182	
62 Dichlorobromomethane	83		16.204				ND	
64 cis-1,3-Dichloropropene	75		17.071				ND	
65 4-Methyl-2-pentanone (MIBK	43	17.301	17.301	0.000	93	23326	0.2768	
66 Toluene	92	17.638	17.638	0.000	92	27638	0.2342	
70 trans-1,3-Dichloropropene	75		18.178				ND	
71 1,1,2-Trichloroethane	83		18.542				ND	
72 Tetrachloroethene	166		18.681				ND	
73 2-Hexanone	43	18.922	18.927	-0.005	87	11127	0.1390	7M
74 Chlorodibromomethane	129		19.296				ND	
75 Ethylene Dibromide	107		19.574				ND	
S 82 Xylenes, Total	106				0		0.3079	
* 76 Chlorobenzene-d5	117	20.425	20.425	0.000	81	1660370	10.0	
77 Chlorobenzene	112		20.479				ND	
78 Ethylbenzene	91	20.591	20.596	-0.005	96	21684	0.0924	
80 m-Xylene & p-Xylene	106	20.805	20.810	-0.005	98	22916	0.2285	
83 o-Xylene	106	21.527	21.522	0.005	94	8124	0.0793	
84 Styrene	104	21.564	21.564	0.000	98	14913	0.1004	
85 Bromoform	173		21.944				ND	
86 Isopropylbenzene	105		22.089				ND	
$ 87 4-Bromofluorobenzene	95	22.426	22.426	0.000	97	1064681	NC	
88 1,1,2,2-Tetrachloroethane	83		22.650				ND	
90 N-Propylbenzene	91		22.720				ND	
91 4-Ethyltoluene	105	22.886	22.891	-0.005	96	6832	0.0245	
92 2-Chlorotoluene	91		22.923				ND	
94 1,3,5-Trimethylbenzene	105	22.988	22.982	0.006	81	5228	0.0220	M
96 tert-Butylbenzene	119		23.453				ND	
97 1,2,4-Trimethylbenzene	105	23.549	23.549	0.000	96	17288	0.0723	
98 sec-Butylbenzene	105		23.785				ND	
99 4-Isopropyltoluene	119		23.988				ND	
100 1,3-Dichlorobenzene	146		24.057				ND	
101 1,4-Dichlorobenzene	146		24.202				ND	
102 Benzyl chloride	91		24.411				ND	
103 n-Butylbenzene	91		24.625				ND	
105 1,2-Dichlorobenzene	146		24.812				ND	
107 1,2,4-Trichlorobenzene	180		27.695				ND	
108 Hexachlorobutadiene	225		27.893				ND	
109 Naphthalene	128	28.278	28.278	0.000	99	64283	0.2286	

QC Flag Legend

Processing Flags
NC - Not Calibrated
ND - Not Detected or Marked ND
7 - Failed Limit of Detection

Review Flags
M - Manually Integrated

Reagents:

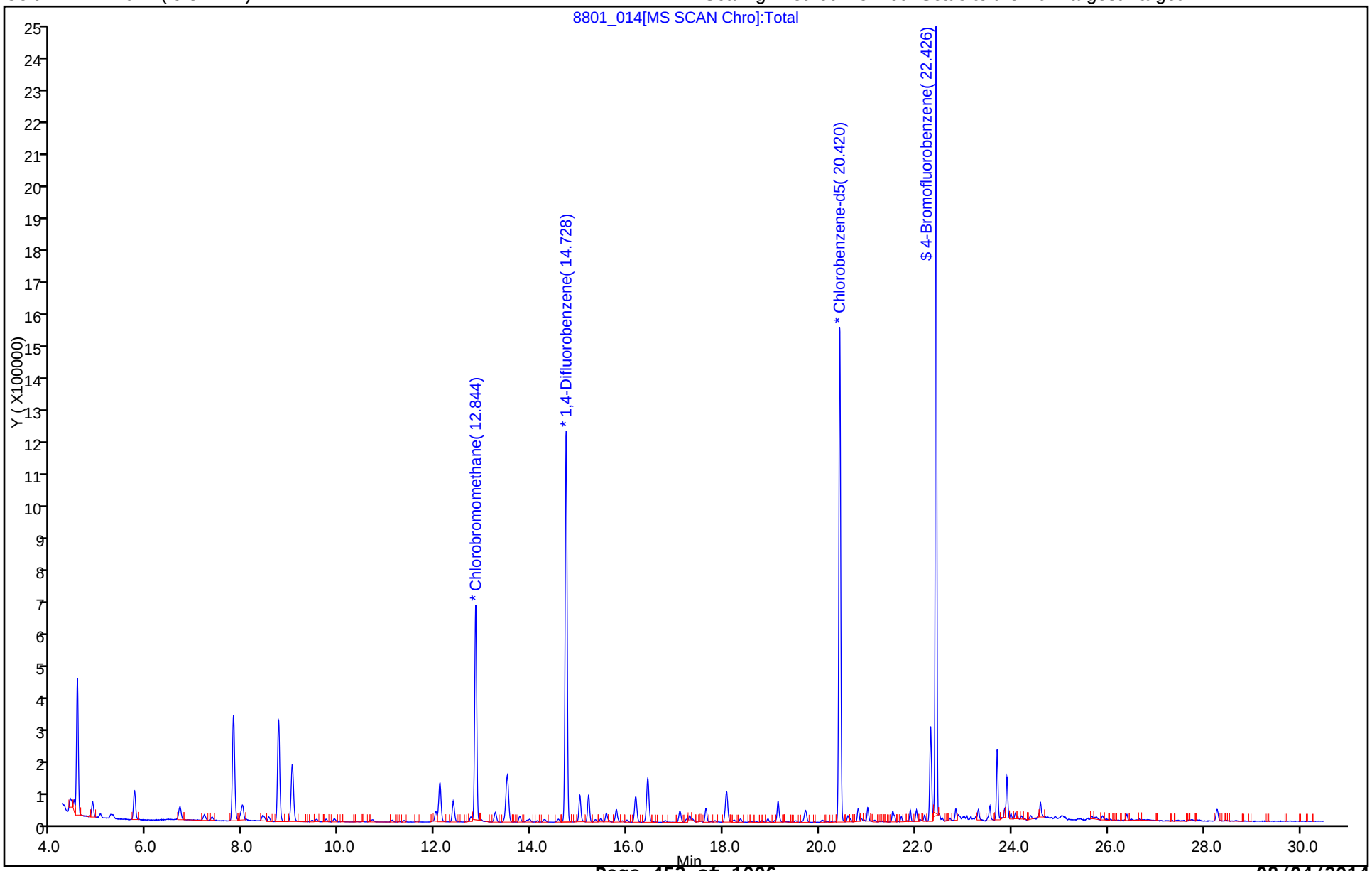
ATTO15WISs_00003	Amount Added: 20.00	Units: mL	Run Reagent

Report Date: 01-Aug-2014 10:24:50 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140731-8801.b\8801_014.d				
Injection Date:	31-Jul-2014 22:02:30	Instrument ID:	CHW.i	Operator ID:	BPL
Lims ID:	280-58003-A-7	Lab Sample ID:	200-58003-7	Worklist Smp#:	14
Client ID:	776VMP0301KA				
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	12
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



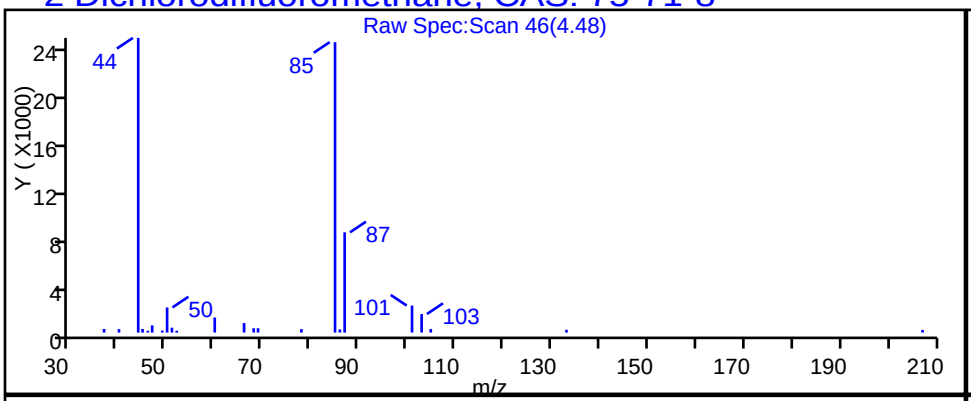
Report Date: 01-Aug-2014 10:24:50 Chrom Revision: 2.2 24-Jun-2014 07:21:42

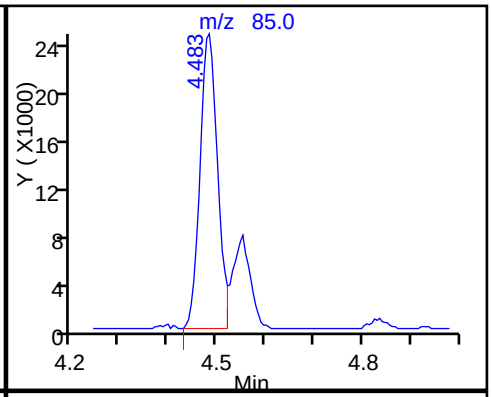
TestAmerica Burlington

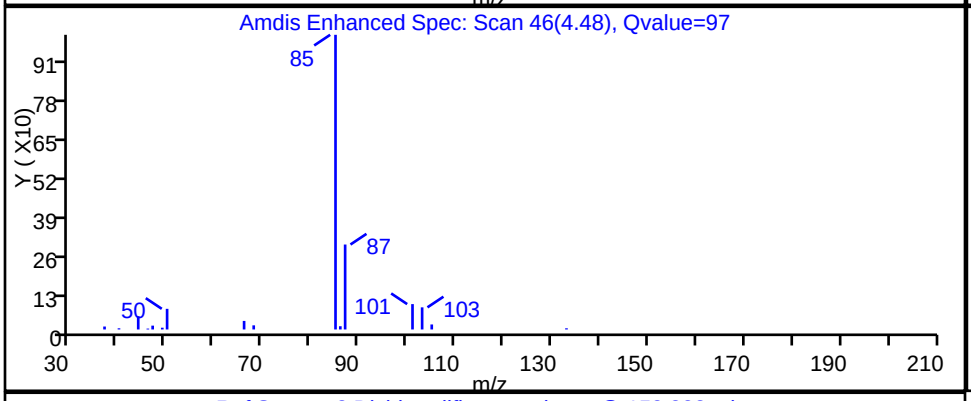
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140731-8801.b\8801_014.d

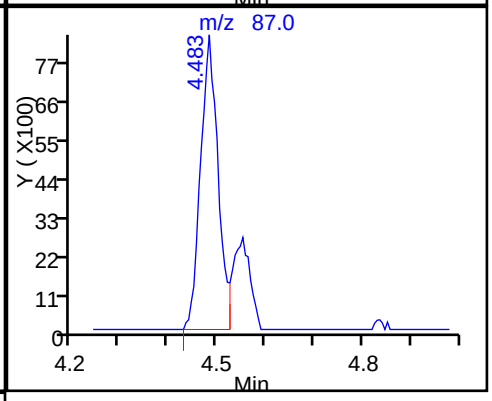
Injection Date:	31-Jul-2014 22:02:30	Instrument ID:	CHW.i		
Lims ID:	280-58003-A-7	Lab Sample ID:	200-58003-7		
Client ID:	776VMP0301KA				
Operator ID:	BPL	ALS Bottle#:	12	Worklist Smp#:	14
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

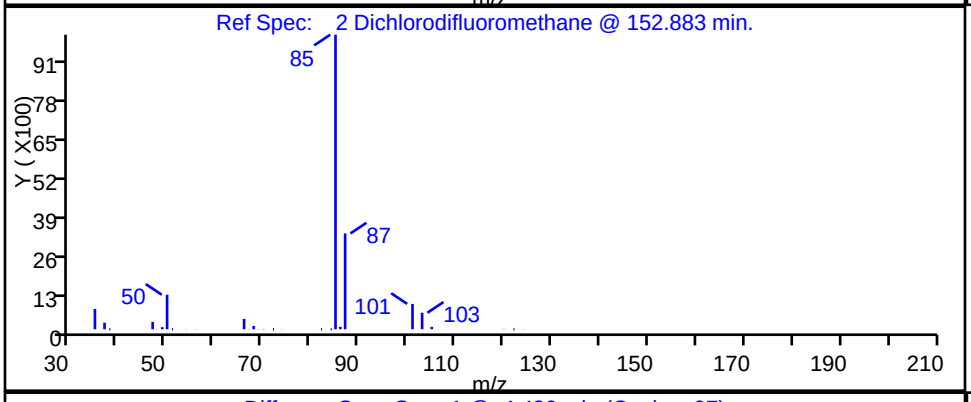
2 Dichlorodifluoromethane, CAS: 75-71-8

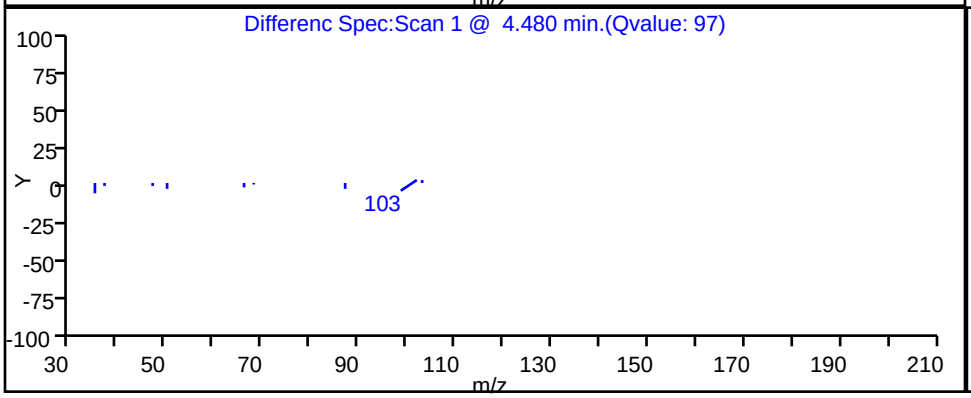


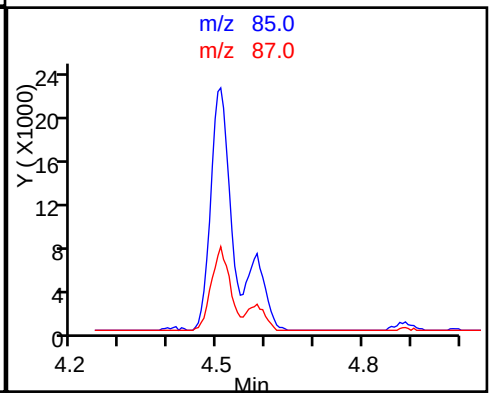












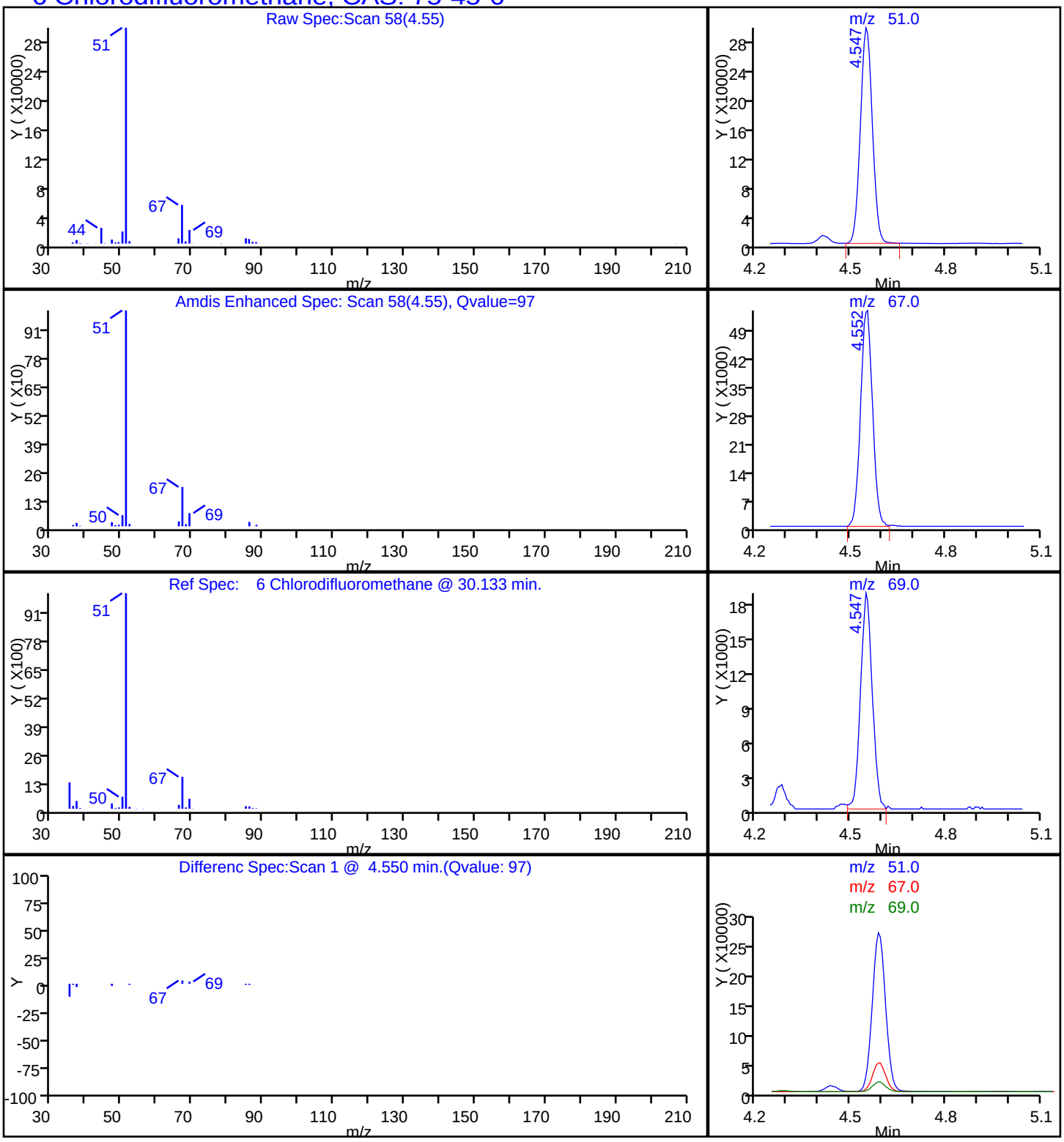
Report Date: 01-Aug-2014 10:24:50 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140731-8801.b\8801_014.d

Injection Date:	31-Jul-2014 22:02:30	Instrument ID:	CHW.i		
Lims ID:	280-58003-A-7	Lab Sample ID:	200-58003-7		
Client ID:	776VMP0301KA				
Operator ID:	BPL	ALS Bottle#:	12	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



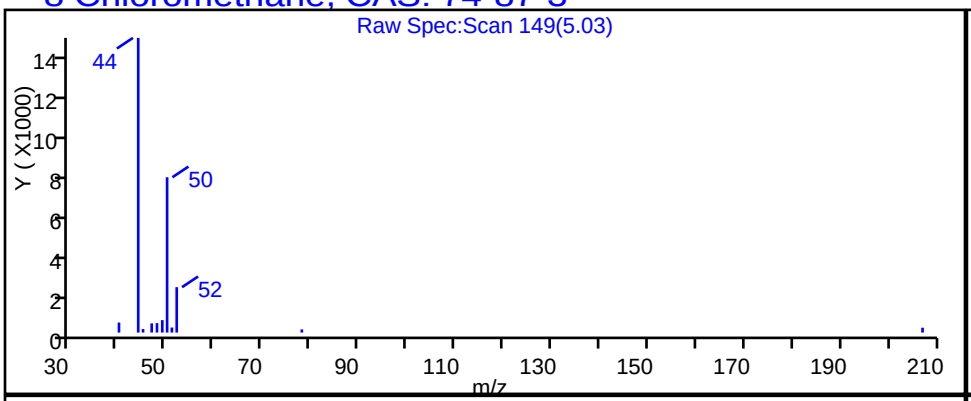
Report Date: 01-Aug-2014 10:24:50 Chrom Revision: 2.2 24-Jun-2014 07:21:42

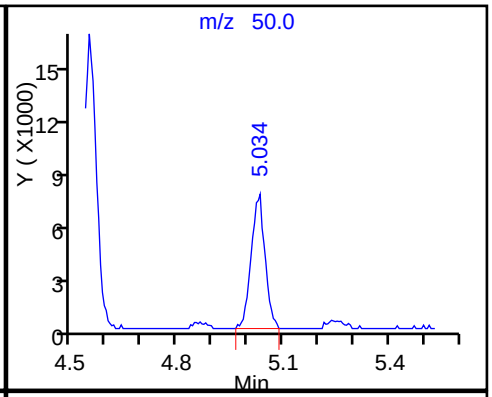
TestAmerica Burlington

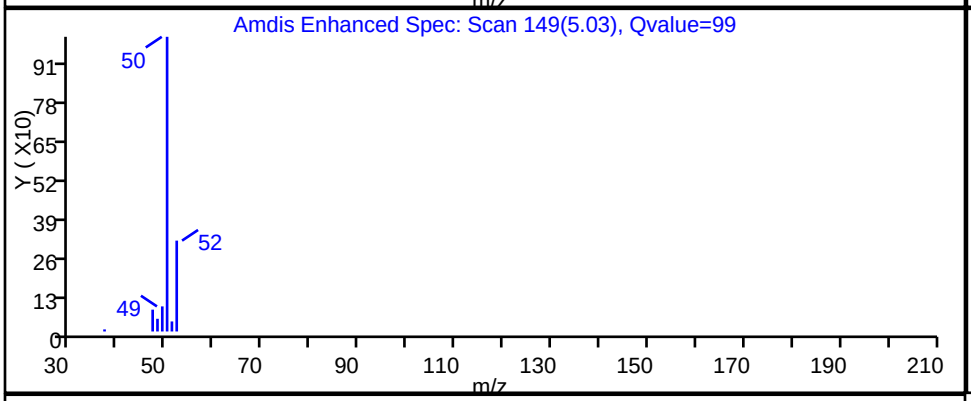
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140731-8801.b\8801_014.d

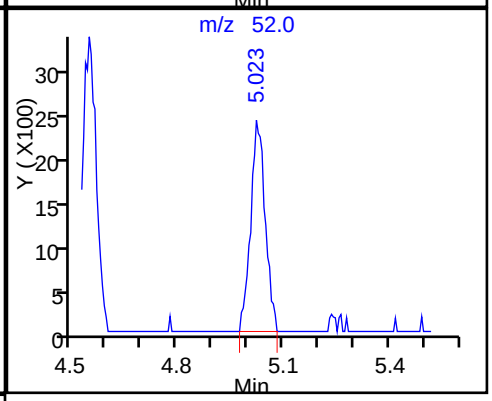
Injection Date:	31-Jul-2014 22:02:30	Instrument ID:	CHW.i		
Lims ID:	280-58003-A-7	Lab Sample ID:	200-58003-7		
Client ID:	776VMP0301KA				
Operator ID:	BPL	ALS Bottle#:	12	Worklist Smp#:	14
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

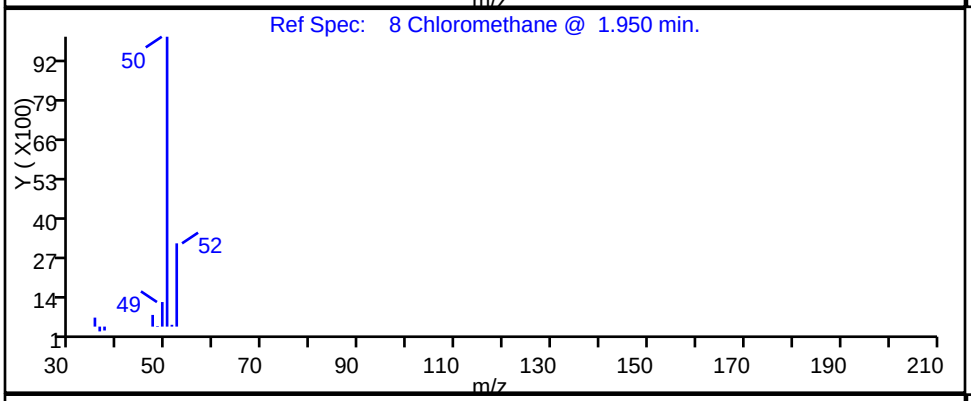
8 Chloromethane, CAS: 74-87-3

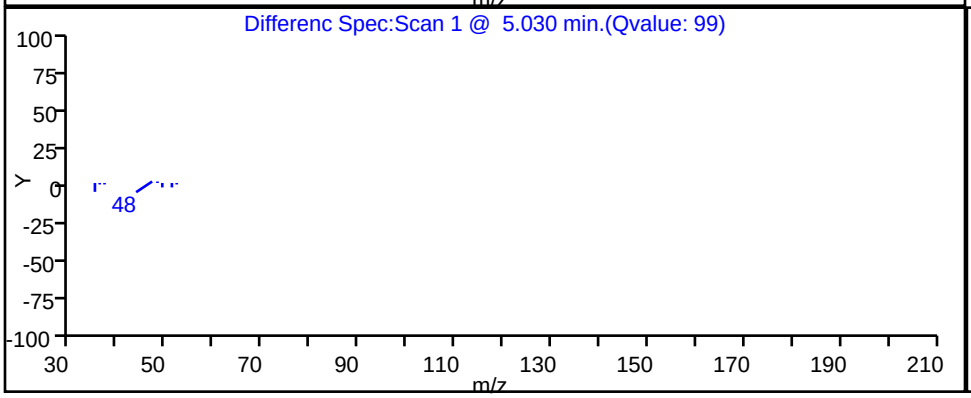


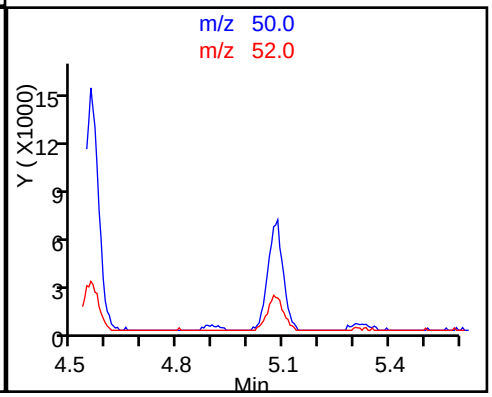












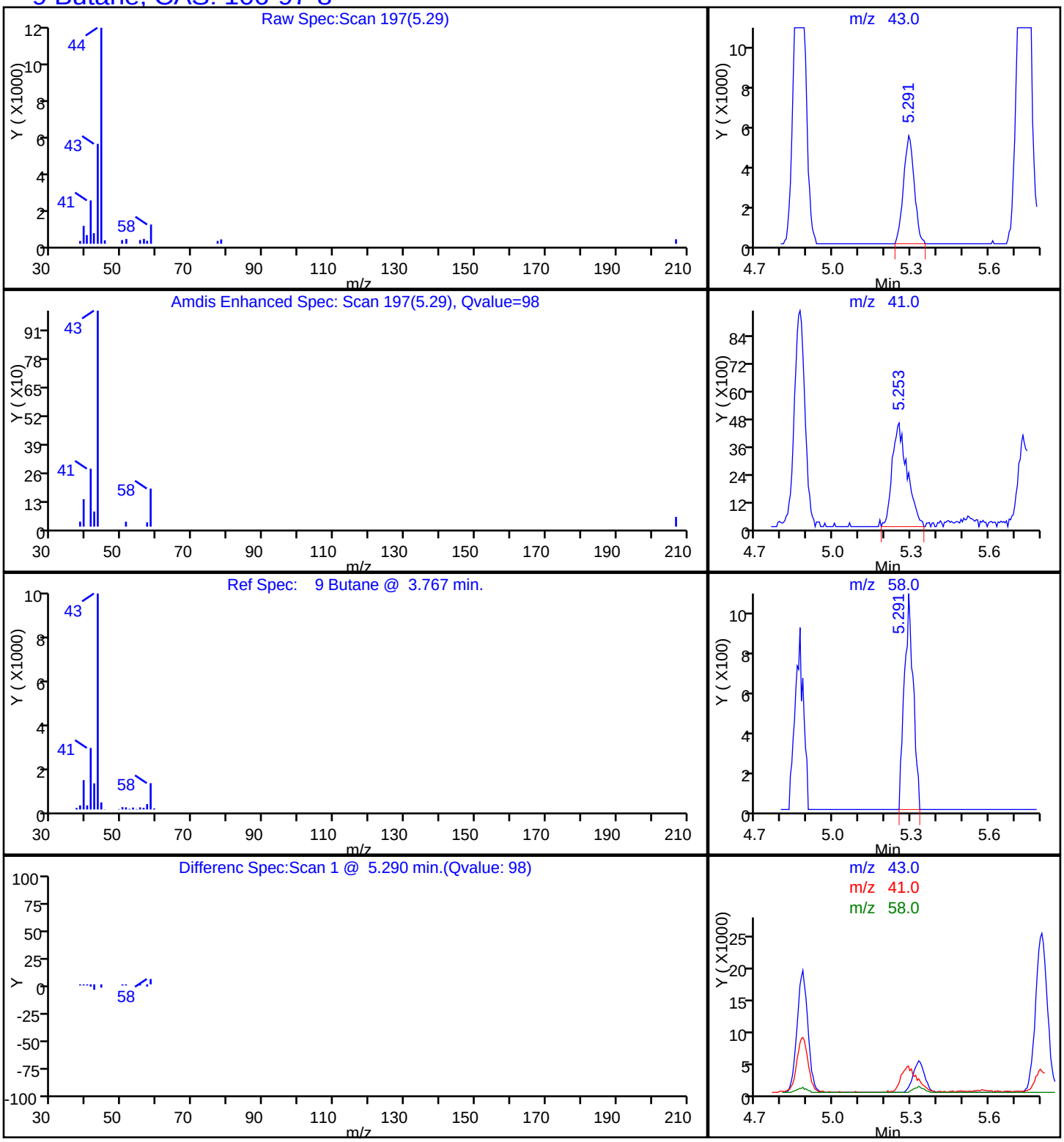
Report Date: 01-Aug-2014 10:24:50 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140731-8801.b\8801_014.d

Injection Date:	31-Jul-2014 22:02:30	Instrument ID:	CHW.i		
Lims ID:	280-58003-A-7	Lab Sample ID:	200-58003-7		
Client ID:	776VMP0301KA				
Operator ID:	BPL	ALS Bottle#:	12	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		

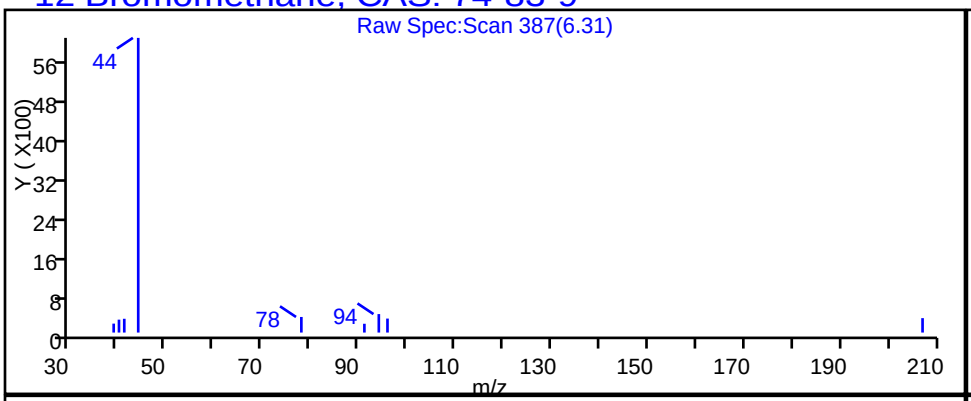
9 Butane, CAS: 106-97-8

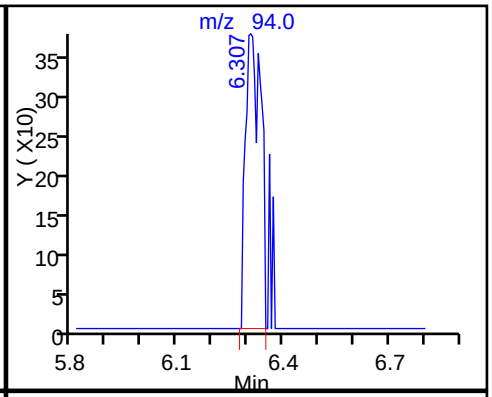


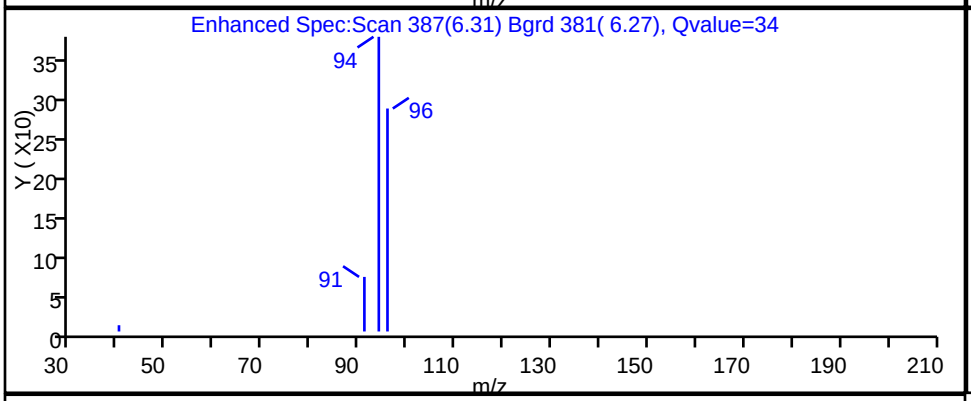
TestAmerica Burlington

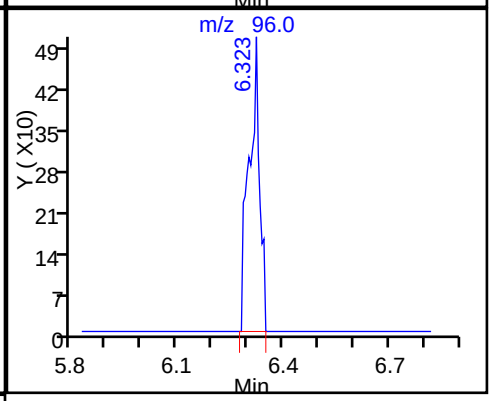
Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140731-8801.b\8801_014.d				
Injection Date:	31-Jul-2014 22:02:30	Instrument ID:	CHW.i		
Lims ID:	280-58003-A-7	Lab Sample ID:	200-58003-7		
Client ID:	776VMP0301KA				
Operator ID:	BPL	ALS Bottle#:	12	Worklist Smp#:	14
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

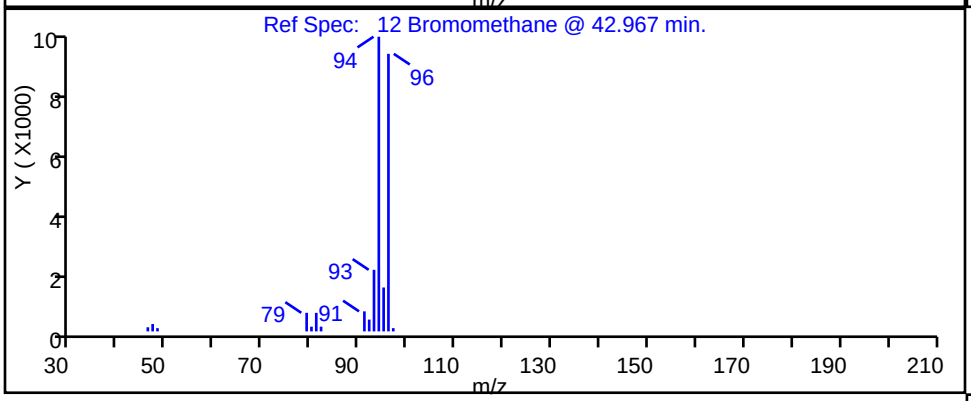
12 Bromomethane, CAS: 74-83-9

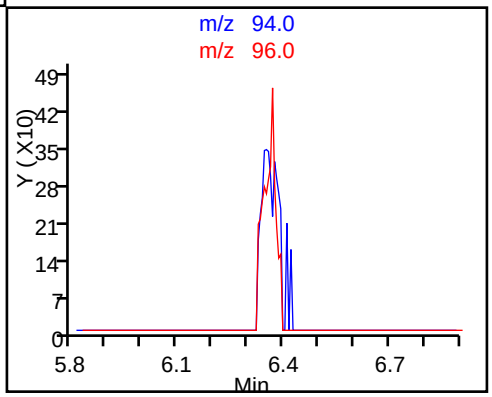








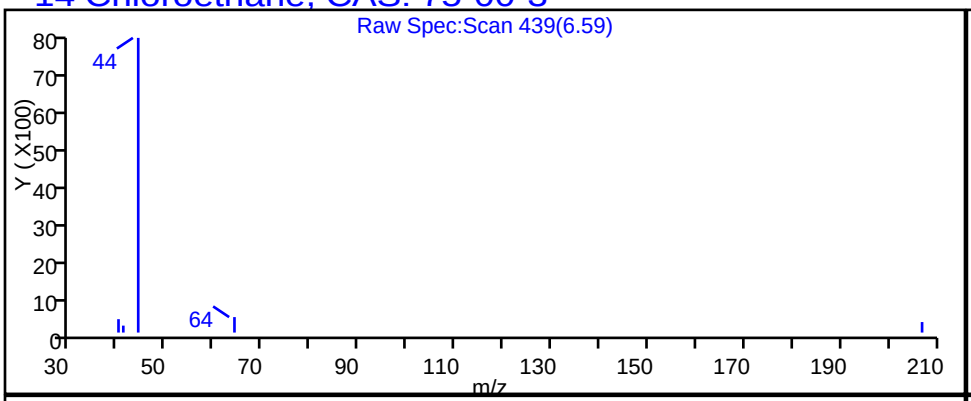


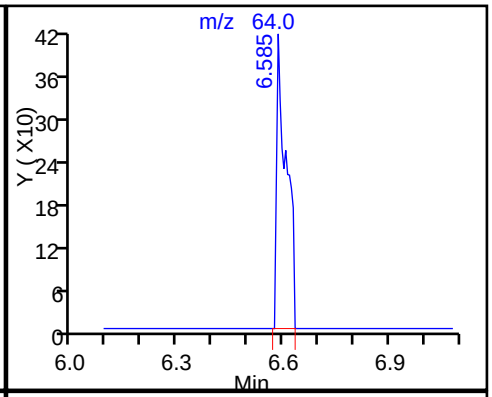


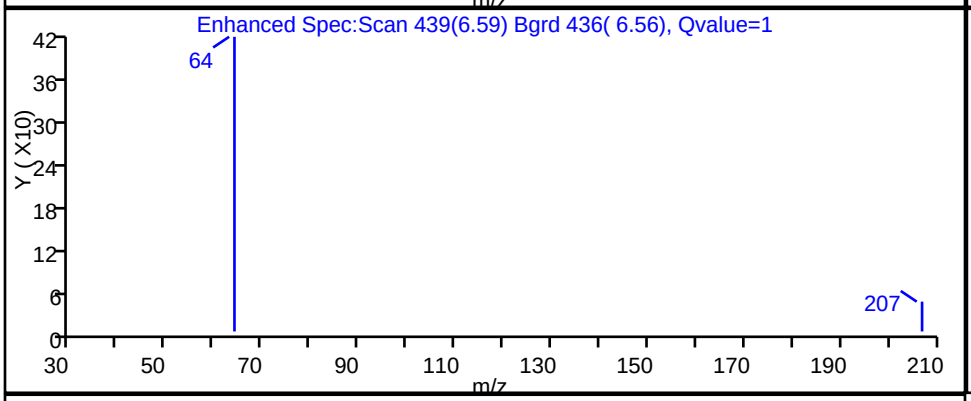
TestAmerica Burlington

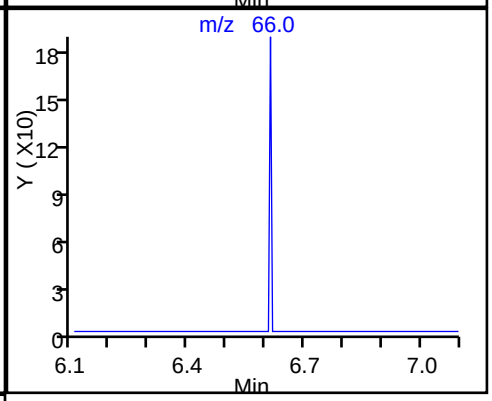
Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140731-8801.b\8801_014.d				
Injection Date:	31-Jul-2014 22:02:30	Instrument ID:	CHW.i		
Lims ID:	280-58003-A-7	Lab Sample ID:	200-58003-7		
Client ID:	776VMP0301KA				
Operator ID:	BPL	ALS Bottle#:	12	Worklist Smp#:	14
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

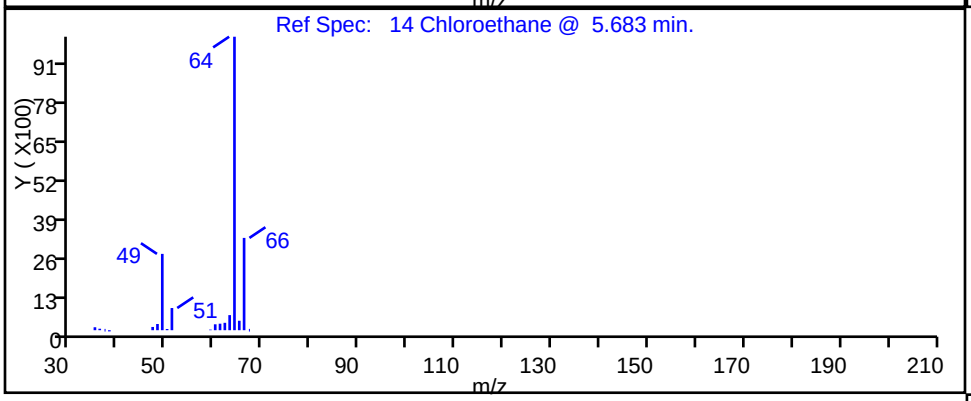
14 Chloroethane, CAS: 75-00-3

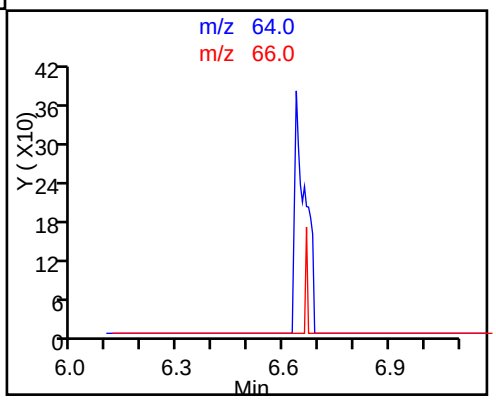












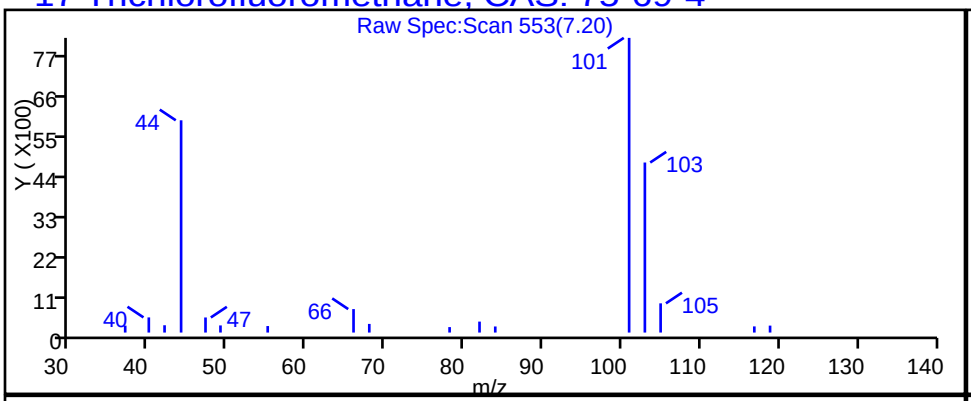
Report Date: 01-Aug-2014 10:24:50 Chrom Revision: 2.2 24-Jun-2014 07:21:42

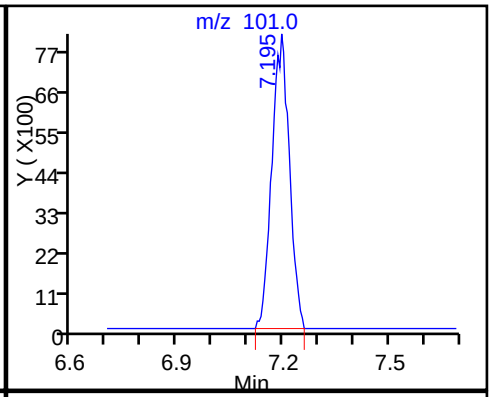
TestAmerica Burlington

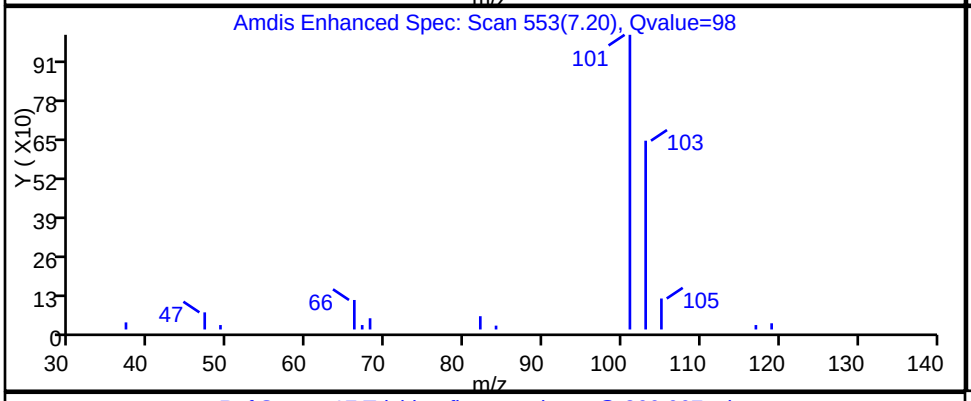
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140731-8801.b\8801_014.d

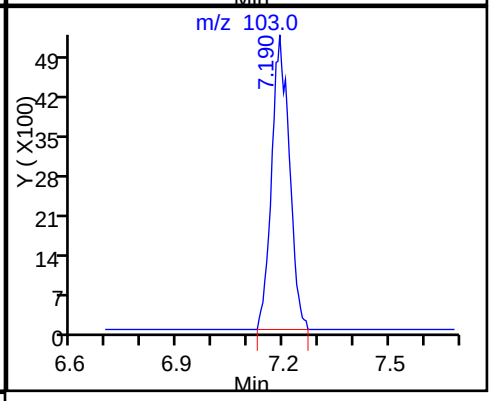
Injection Date:	31-Jul-2014 22:02:30	Instrument ID:	CHW.i		
Lims ID:	280-58003-A-7	Lab Sample ID:	200-58003-7		
Client ID:	776VMP0301KA				
Operator ID:	BPL	ALS Bottle#:	12	Worklist Smp#:	14
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

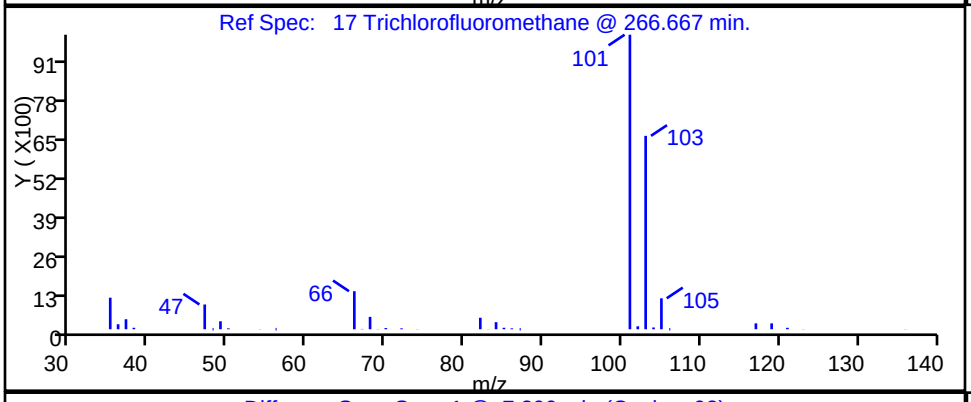
17 Trichlorofluoromethane, CAS: 75-69-4

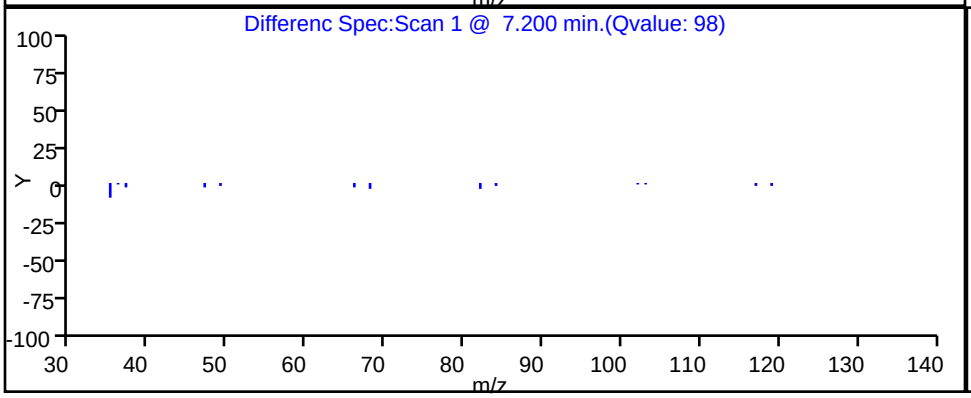


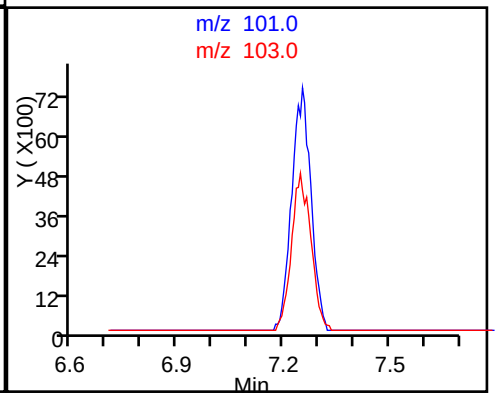












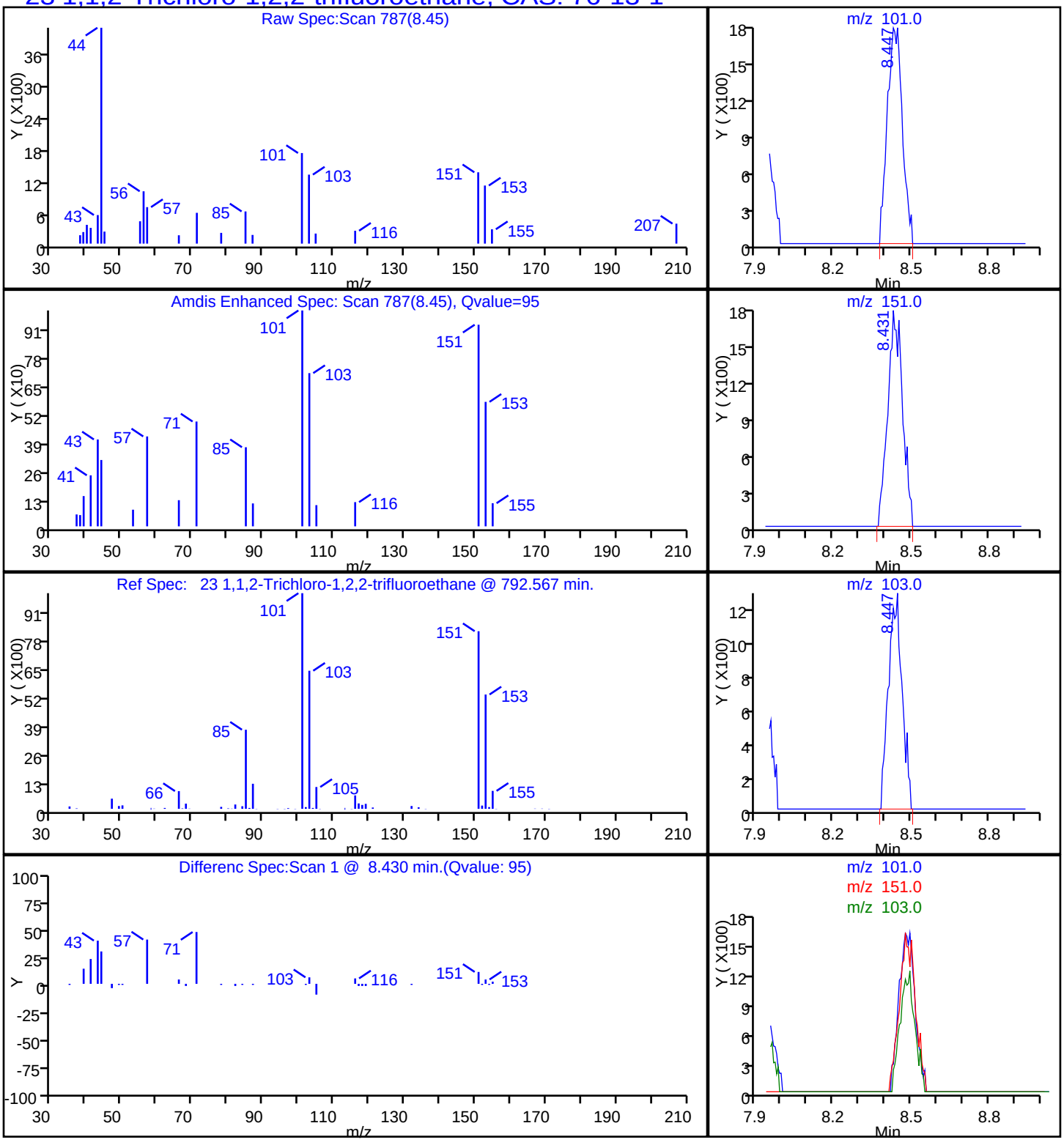
Report Date: 01-Aug-2014 10:24:50 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140731-8801.b\8801_014.d

Injection Date:	31-Jul-2014 22:02:30	Instrument ID:	CHW.i		
Lims ID:	280-58003-A-7	Lab Sample ID:	200-58003-7		
Client ID:	776VMP0301KA				
Operator ID:	BPL	ALS Bottle#:	12	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



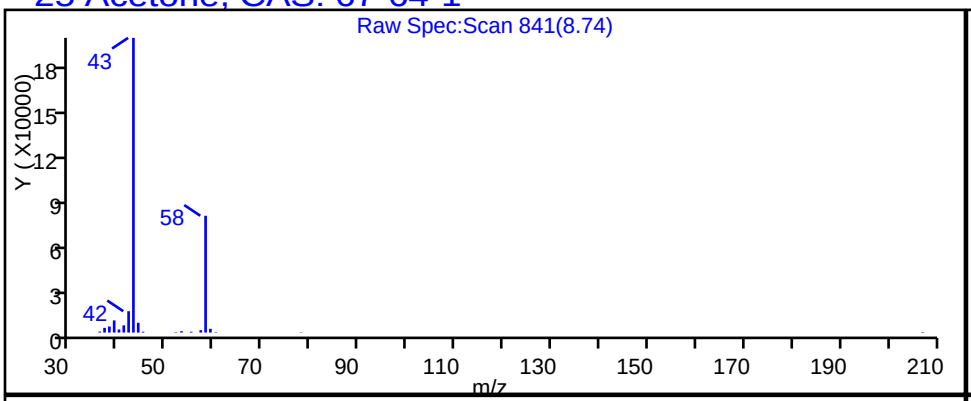
Report Date: 01-Aug-2014 10:24:50 Chrom Revision: 2.2 24-Jun-2014 07:21:42

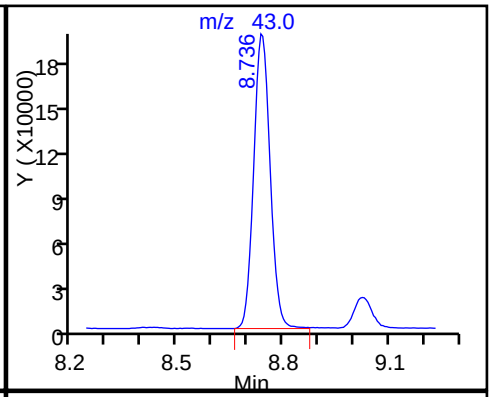
TestAmerica Burlington

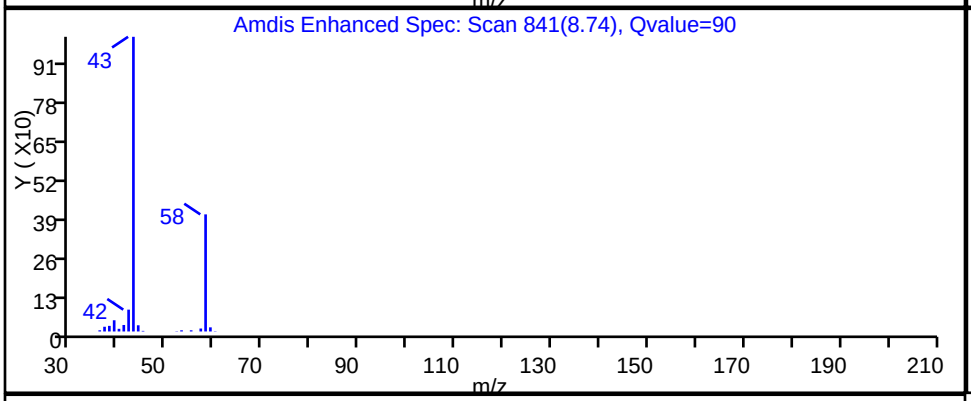
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140731-8801.b\8801_014.d

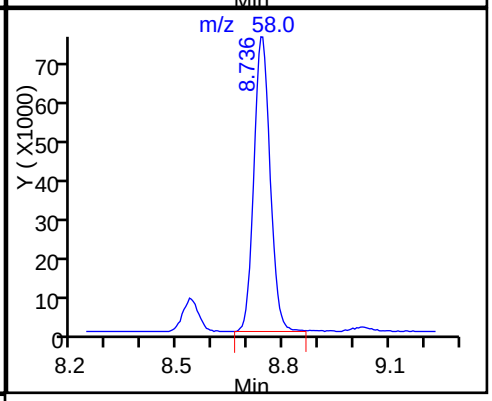
Injection Date:	31-Jul-2014 22:02:30	Instrument ID:	CHW.i		
Lims ID:	280-58003-A-7	Lab Sample ID:	200-58003-7		
Client ID:	776VMP0301KA				
Operator ID:	BPL	ALS Bottle#:	12	Worklist Smp#:	14
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

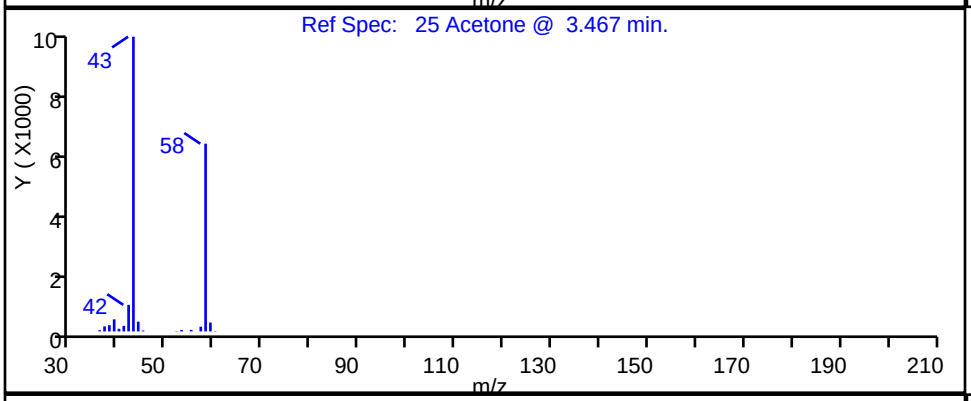
25 Acetone, CAS: 67-64-1

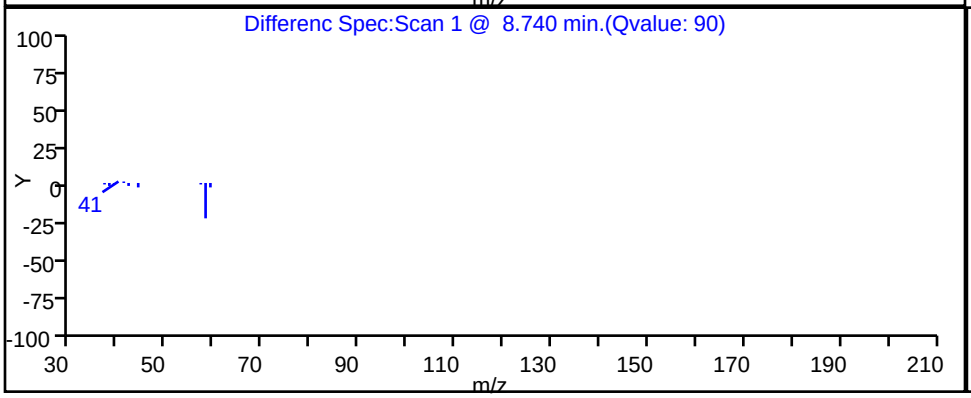


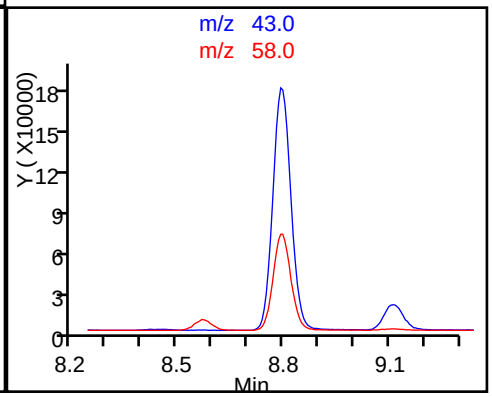












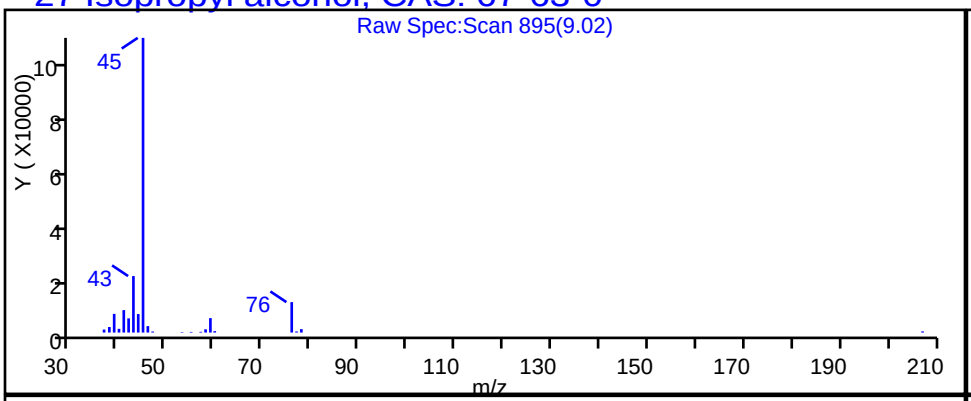
Report Date: 01-Aug-2014 10:24:50 Chrom Revision: 2.2 24-Jun-2014 07:21:42

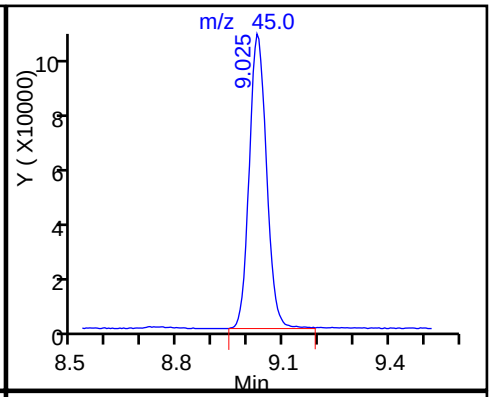
TestAmerica Burlington

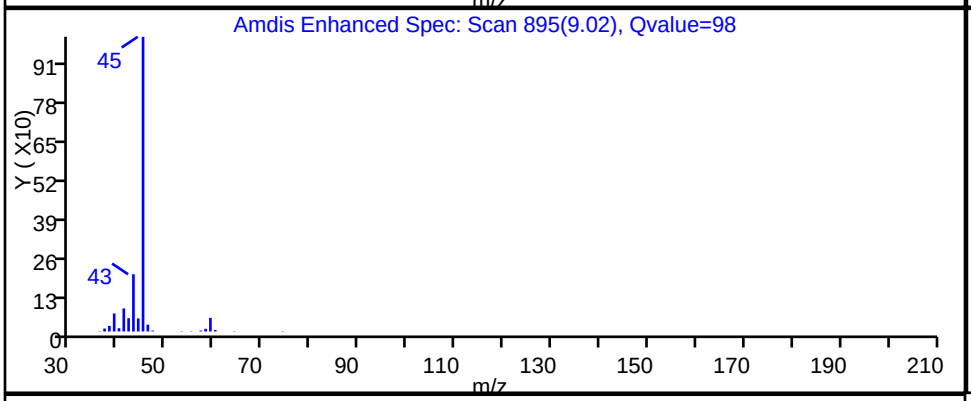
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140731-8801.b\8801_014.d

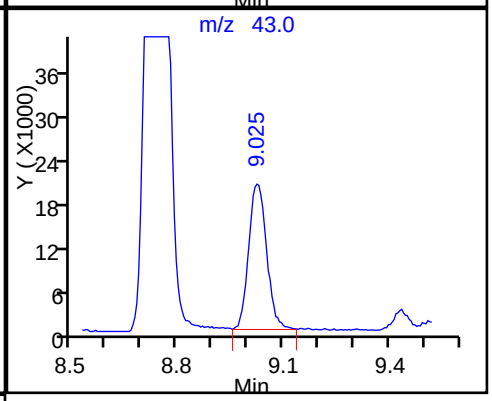
Injection Date:	31-Jul-2014 22:02:30	Instrument ID:	CHW.i		
Lims ID:	280-58003-A-7	Lab Sample ID:	200-58003-7		
Client ID:	776VMP0301KA				
Operator ID:	BPL	ALS Bottle#:	12	Worklist Smp#:	14
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

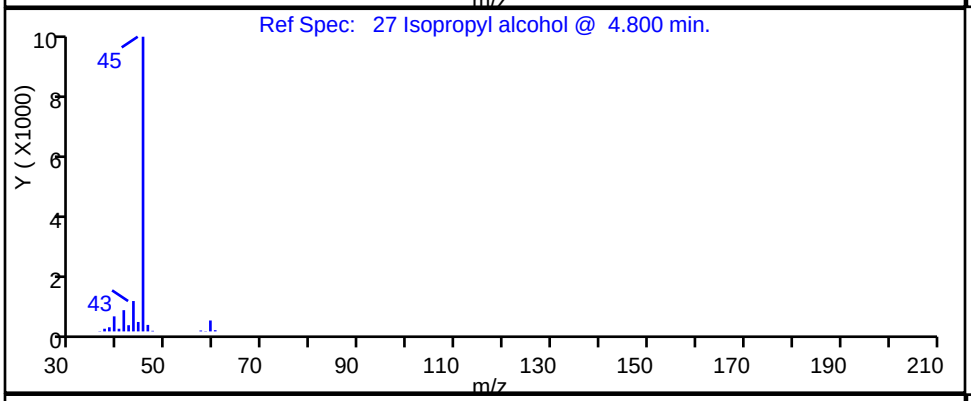
27 Isopropyl alcohol, CAS: 67-63-0

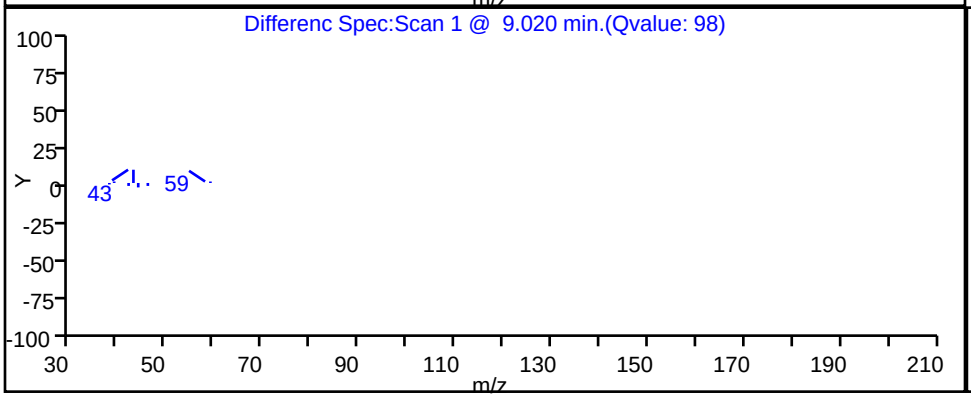


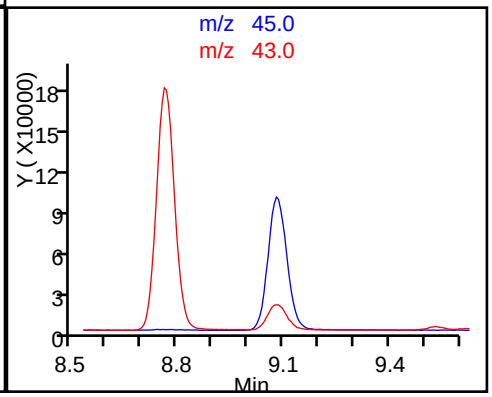












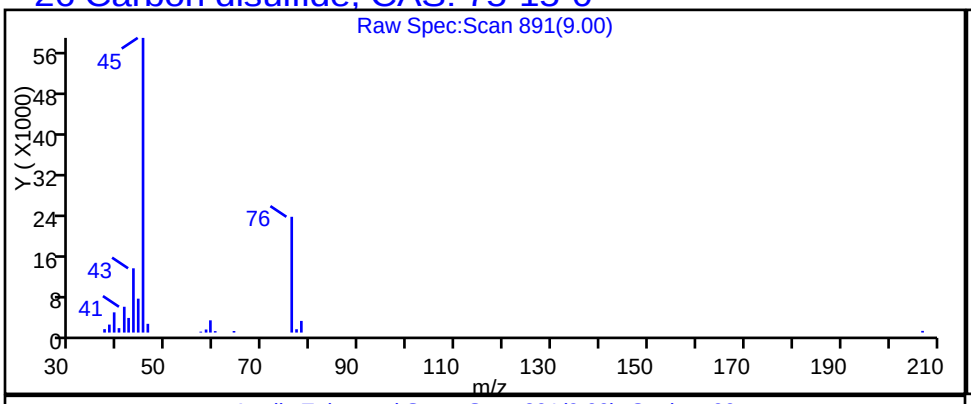
Report Date: 01-Aug-2014 10:24:50 Chrom Revision: 2.2 24-Jun-2014 07:21:42

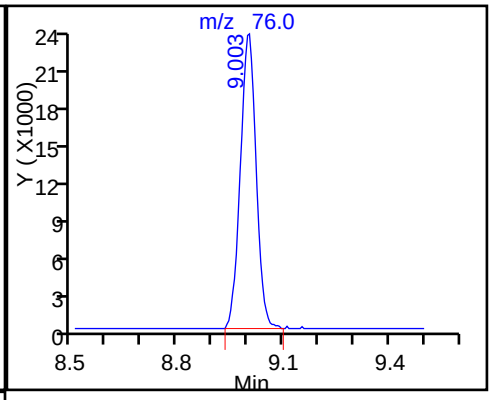
TestAmerica Burlington

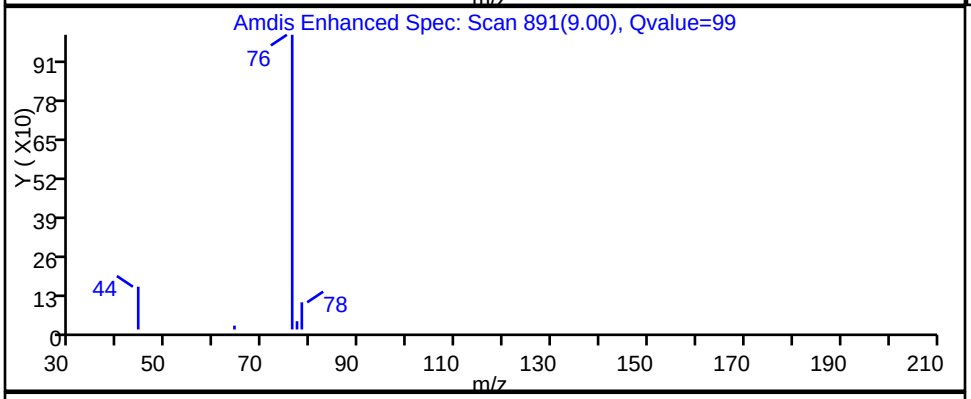
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140731-8801.b\8801_014.d

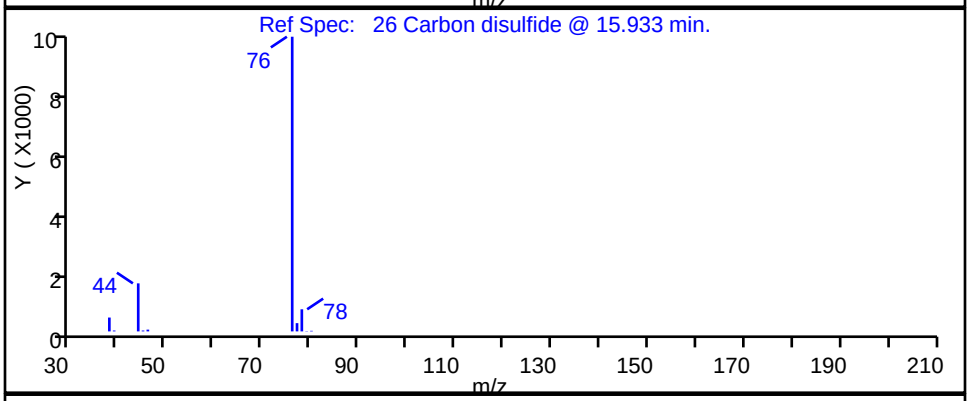
Injection Date:	31-Jul-2014 22:02:30	Instrument ID:	CHW.i		
Lims ID:	280-58003-A-7	Lab Sample ID:	200-58003-7		
Client ID:	776VMP0301KA				
Operator ID:	BPL	ALS Bottle#:	12	Worklist Smp#:	14
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

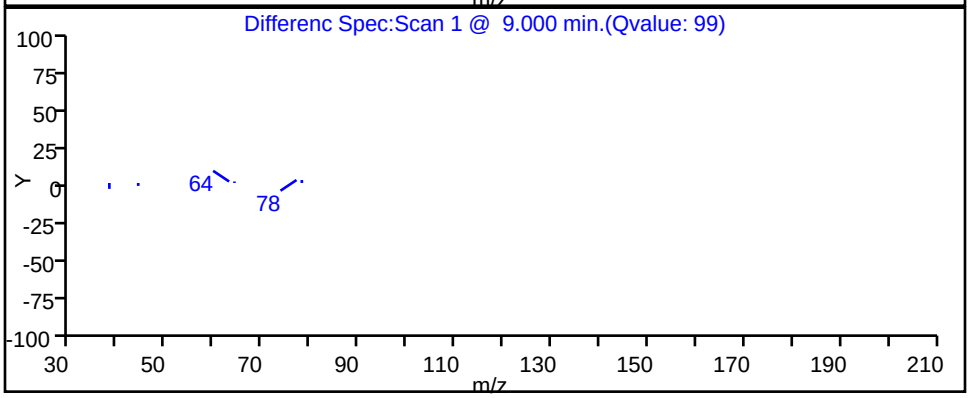
26 Carbon disulfide, CAS: 75-15-0











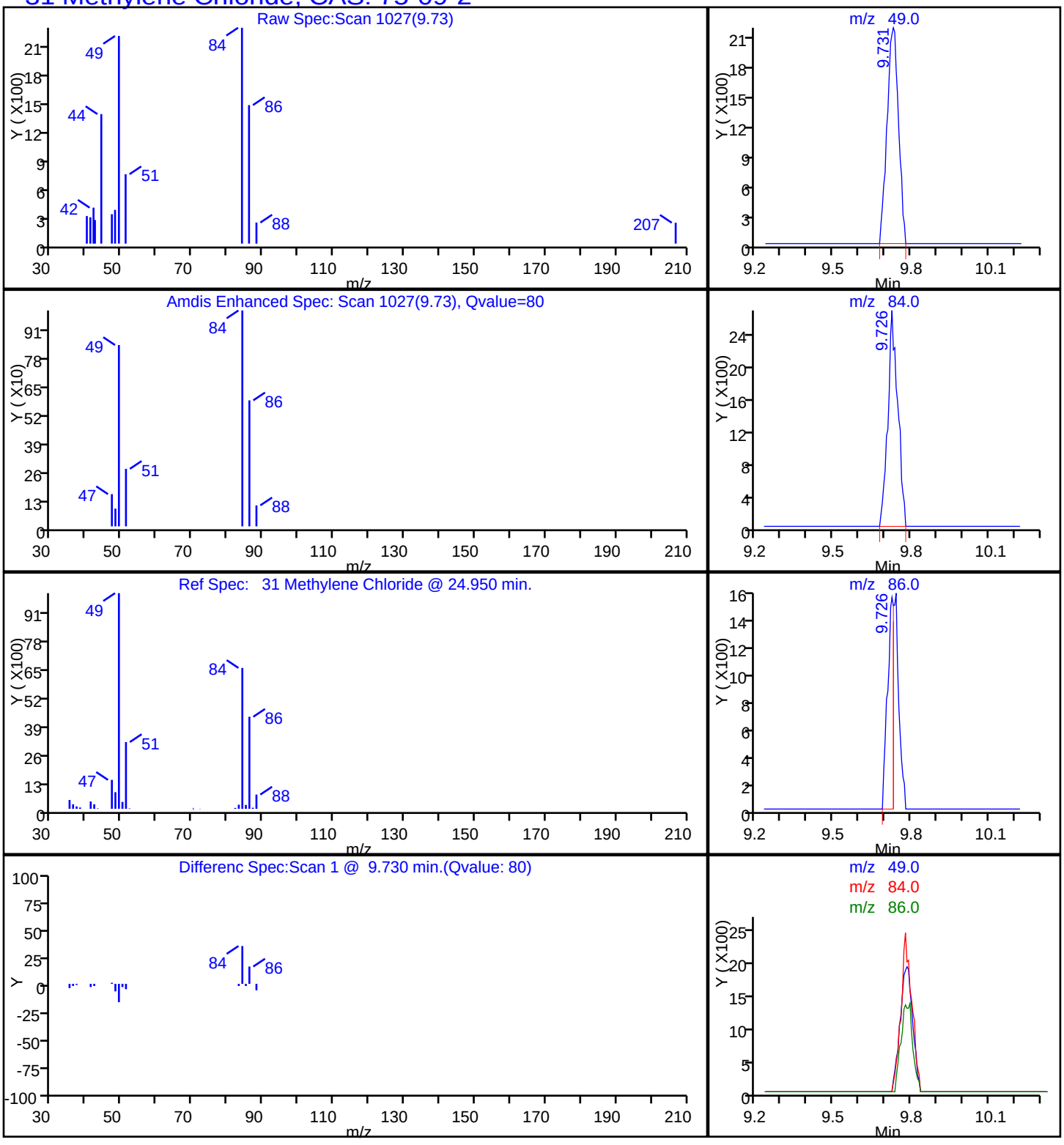
Report Date: 01-Aug-2014 10:24:50 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140731-8801.b\8801_014.d

Injection Date:	31-Jul-2014 22:02:30	Instrument ID:	CHW.i		
Lims ID:	280-58003-A-7	Lab Sample ID:	200-58003-7		
Client ID:	776VMP0301KA				
Operator ID:	BPL	ALS Bottle#:	12	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		

31 Methylene Chloride, CAS: 75-09-2



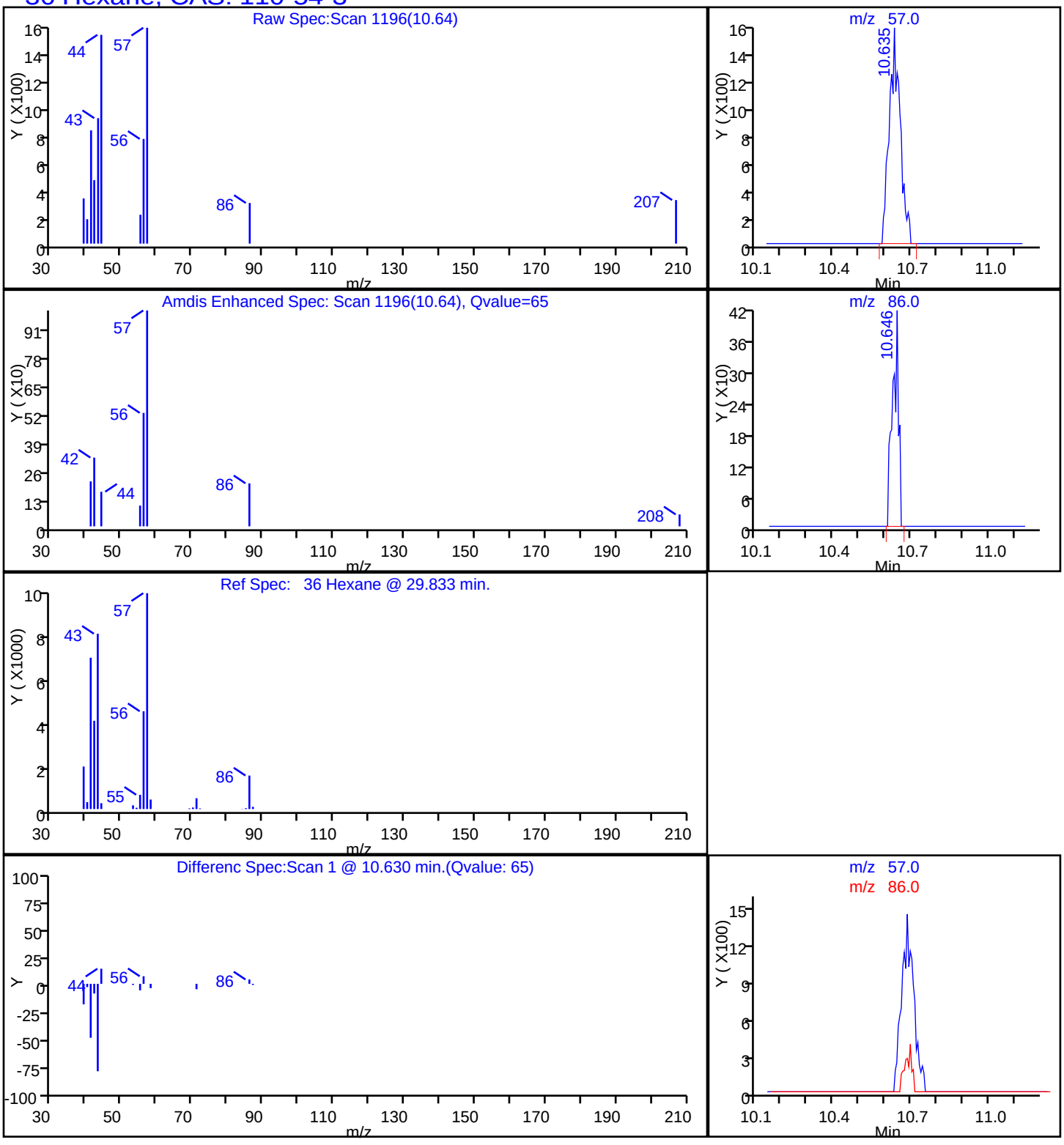
Report Date: 01-Aug-2014 10:24:50 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140731-8801.b\8801_014.d

Injection Date:	31-Jul-2014 22:02:30	Instrument ID:	CHW.i		
Lims ID:	280-58003-A-7	Lab Sample ID:	200-58003-7		
Client ID:	776VMP0301KA				
Operator ID:	BPL	ALS Bottle#:	12	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



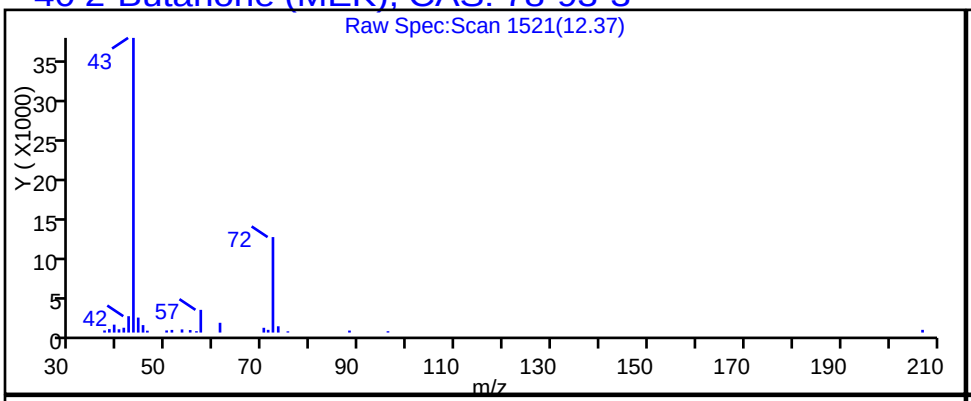
Report Date: 01-Aug-2014 10:24:50 Chrom Revision: 2.2 24-Jun-2014 07:21:42

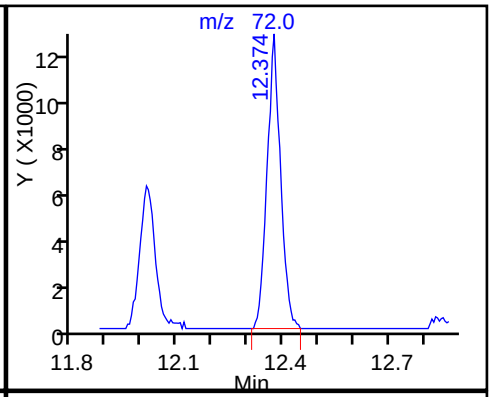
TestAmerica Burlington

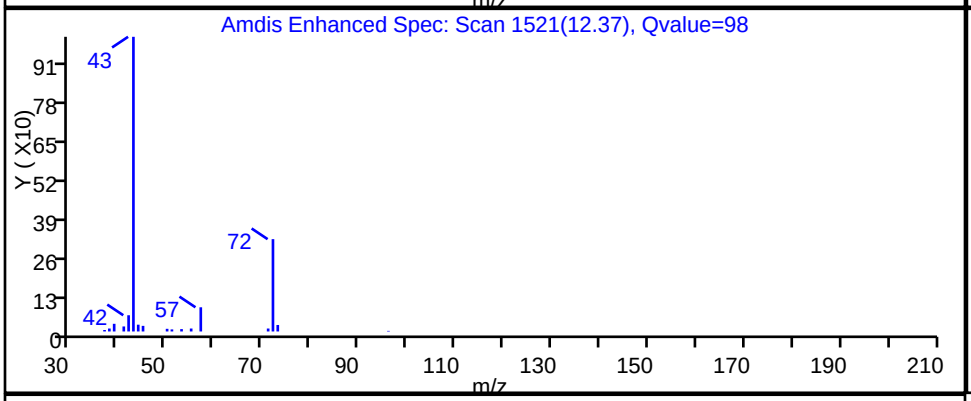
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140731-8801.b\8801_014.d

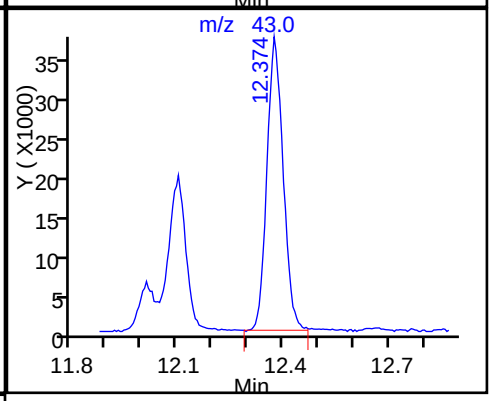
Injection Date:	31-Jul-2014 22:02:30	Instrument ID:	CHW.i		
Lims ID:	280-58003-A-7	Lab Sample ID:	200-58003-7		
Client ID:	776VMP0301KA				
Operator ID:	BPL	ALS Bottle#:	12	Worklist Smp#:	14
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

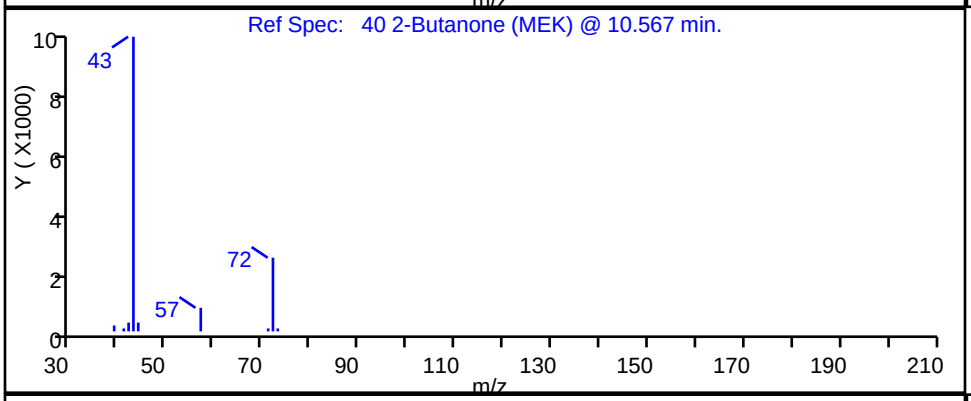
40 2-Butanone (MEK), CAS: 78-93-3

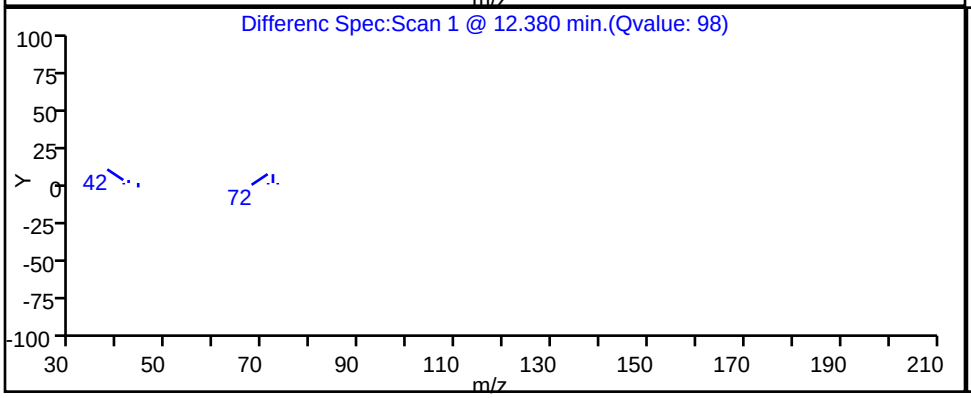


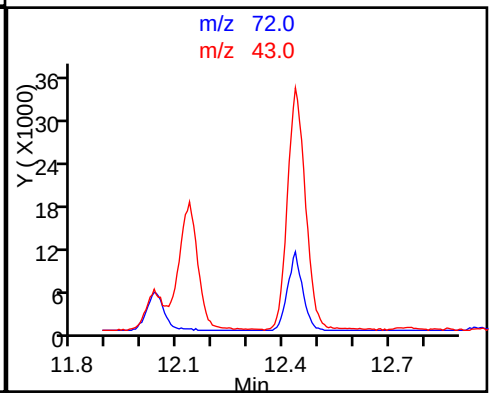












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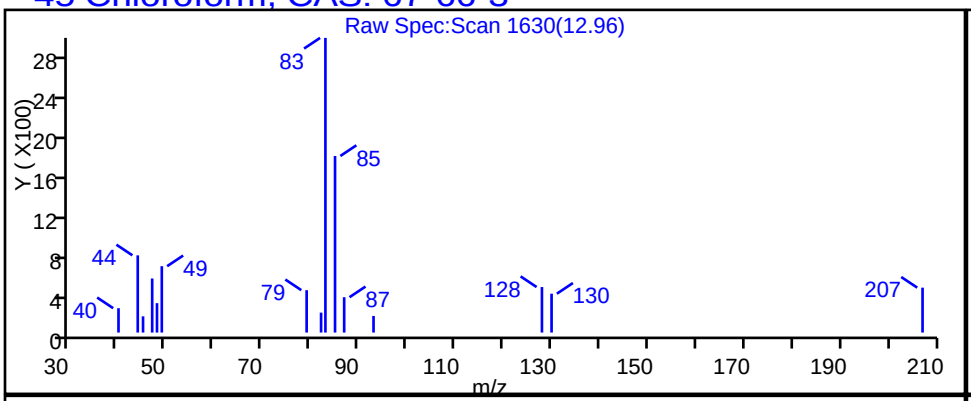
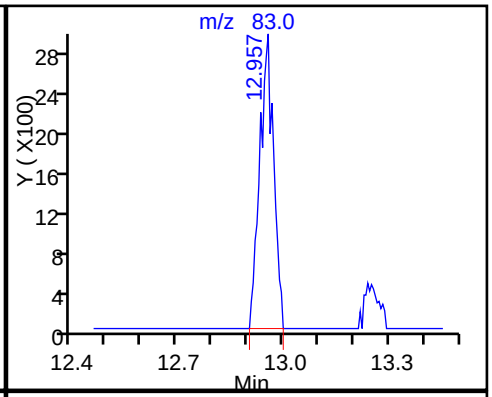
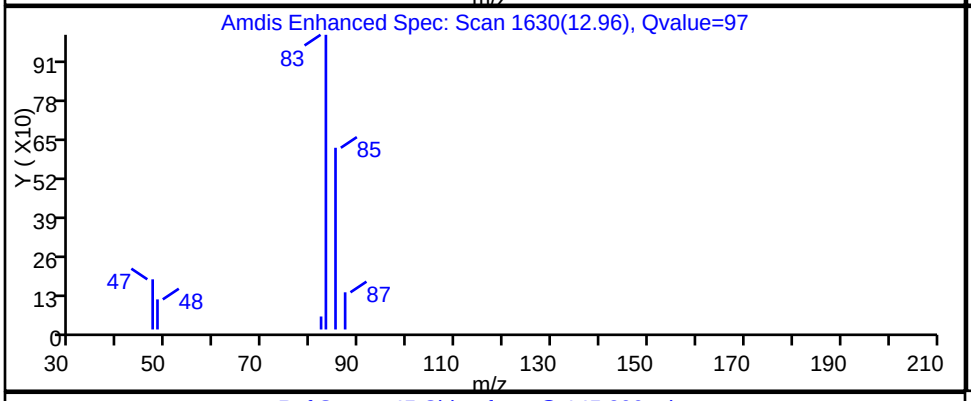
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140731-8801.b\8801_014.d

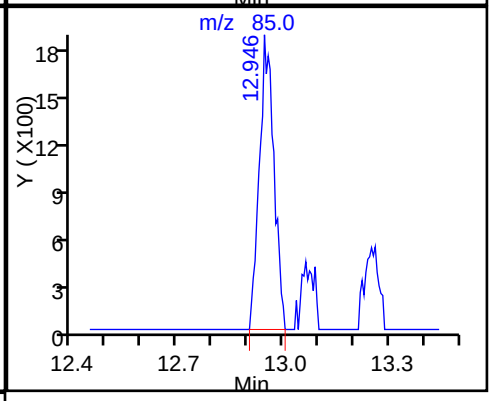
Injection Date:	31-Jul-2014 22:02:30	Instrument ID:	CHW.i		
Lims ID:	280-58003-A-7	Lab Sample ID:	200-58003-7		
Client ID:	776VMP0301KA				
Operator ID:	BPL	ALS Bottle#:	12	Worklist Smp#:	14
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

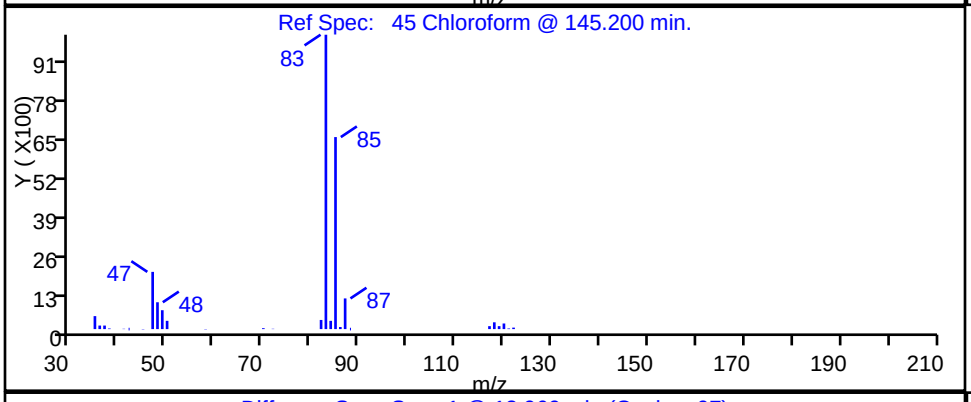
45 Chloroform, CAS: 67-66-3

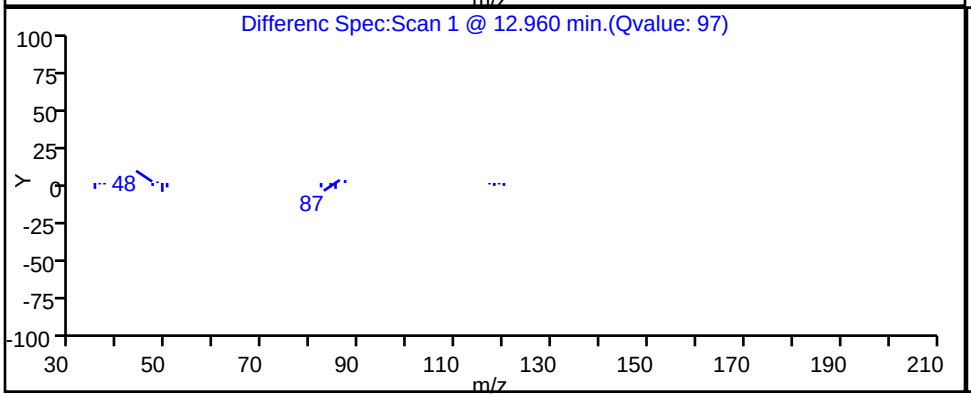


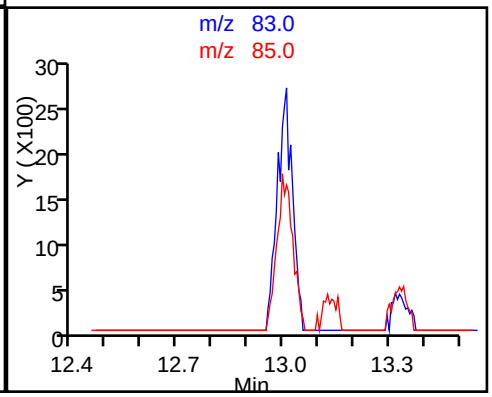












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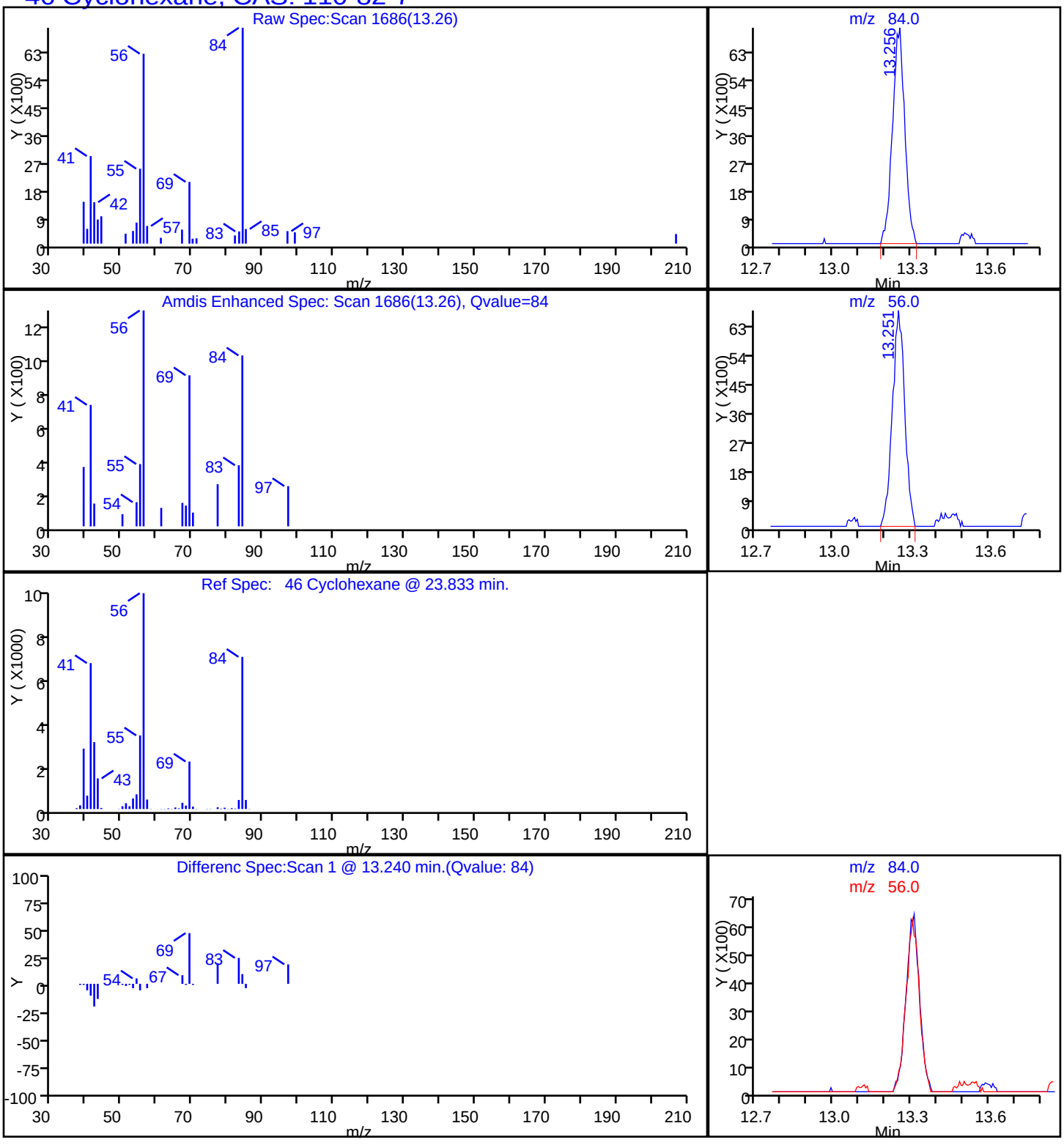
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140731-8801.b\8801_014.d

Injection Date:	31-Jul-2014 22:02:30	Instrument ID:	CHW.i		
Lims ID:	280-58003-A-7	Lab Sample ID:	200-58003-7		
Client ID:	776VMP0301KA				
Operator ID:	BPL	ALS Bottle#:	12	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		

46 Cyclohexane, CAS: 110-82-7



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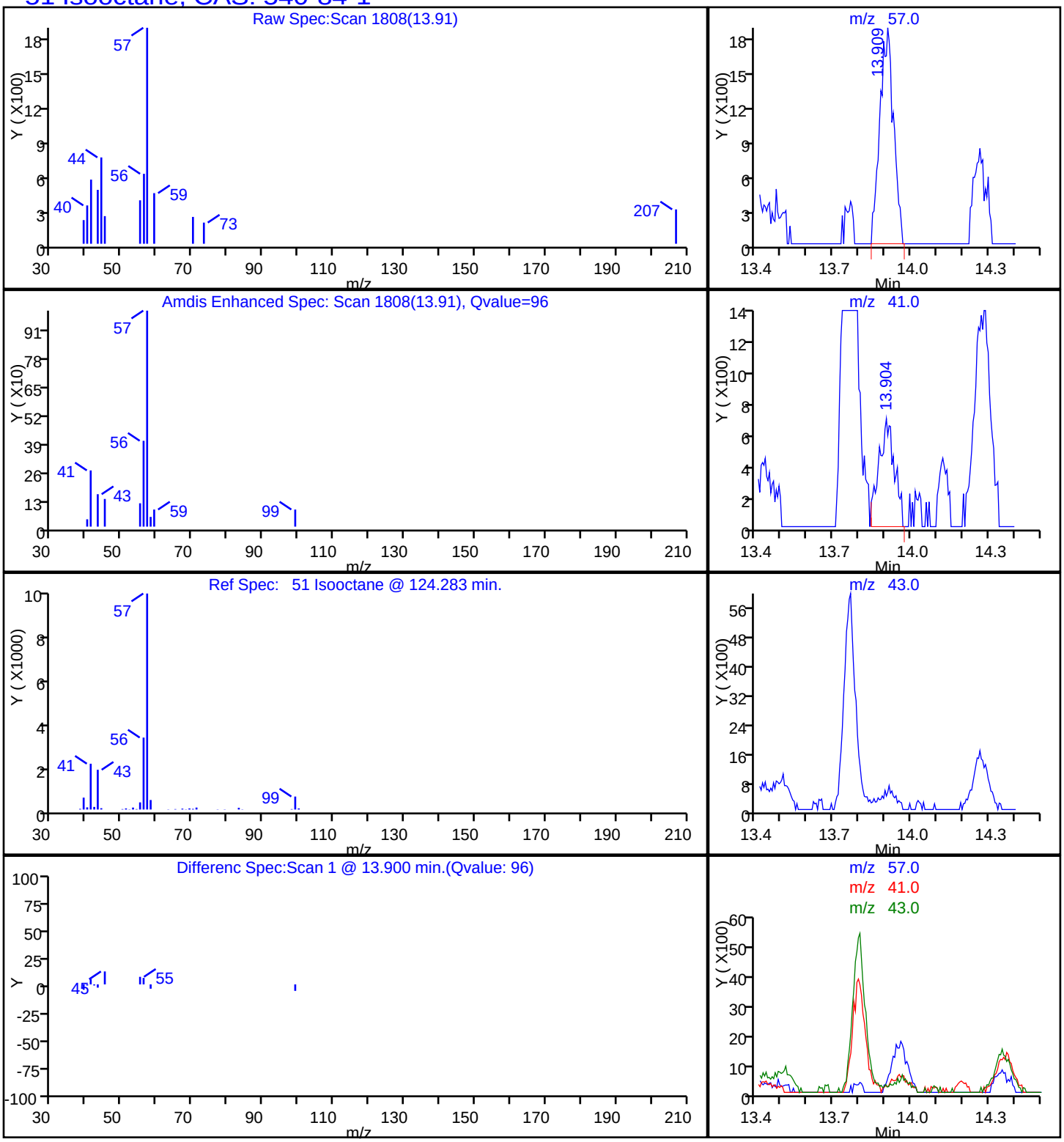
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140731-8801.b\8801_014.d

Injection Date:	31-Jul-2014 22:02:30	Instrument ID:	CHW.i		
Lims ID:	280-58003-A-7	Lab Sample ID:	200-58003-7		
Client ID:	776VMP0301KA				
Operator ID:	BPL	ALS Bottle#:	12	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



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TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140731-8801.b\8801_014.d

Injection Date:	31-Jul-2014 22:02:30	Instrument ID:	CHW.i		
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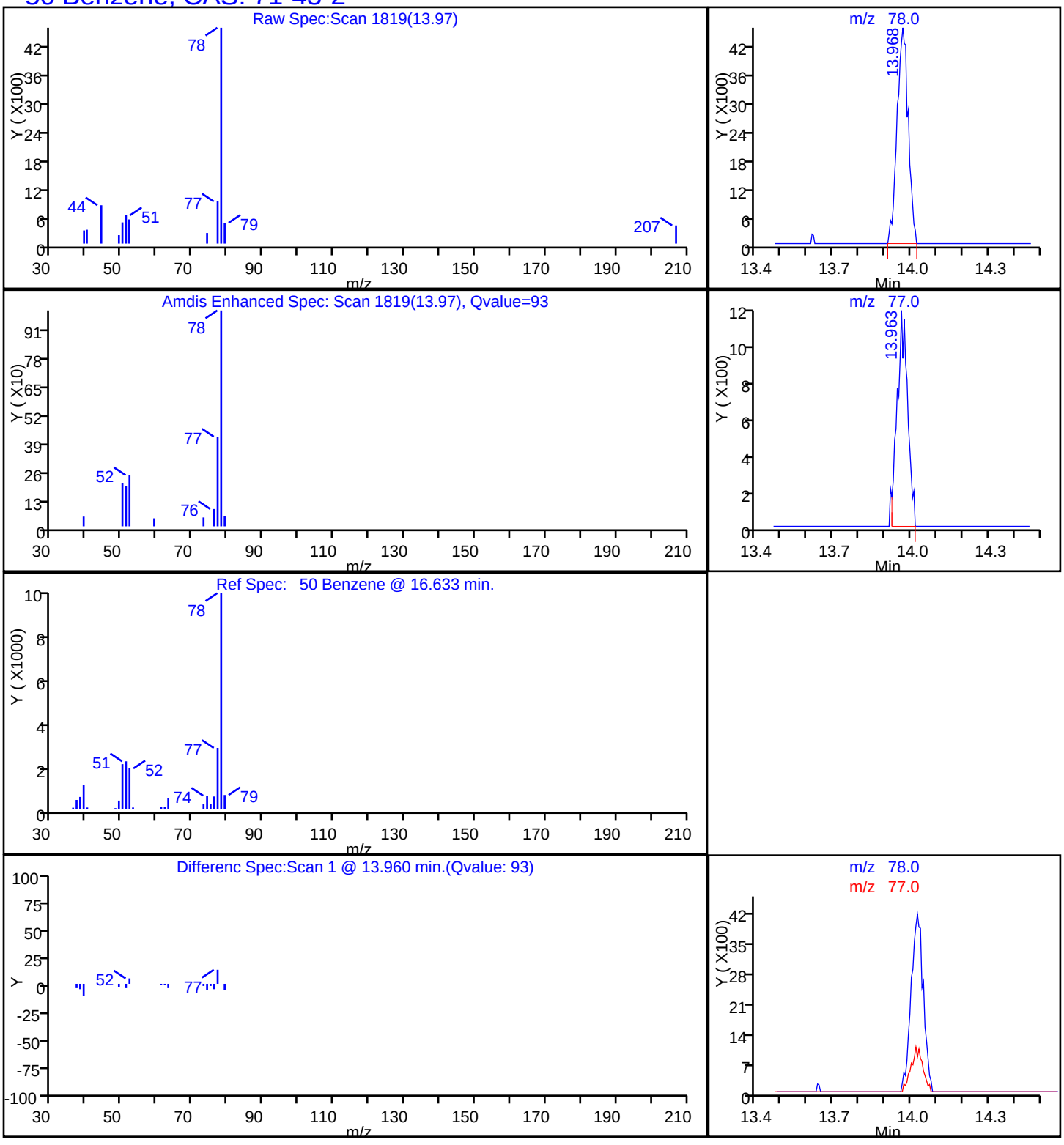
Client ID:	776VMP0301KA				
Operator ID:	BPL	ALS Bottle#:	12	Worklist Smp#:	14
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

50 Benzene, CAS: 71-43-2



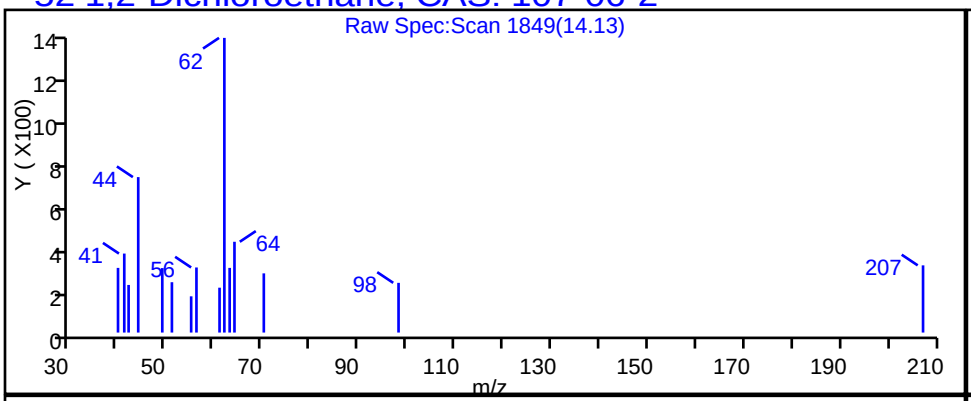
Report Date: 01-Aug-2014 10:24:50 Chrom Revision: 2.2 24-Jun-2014 07:21:42

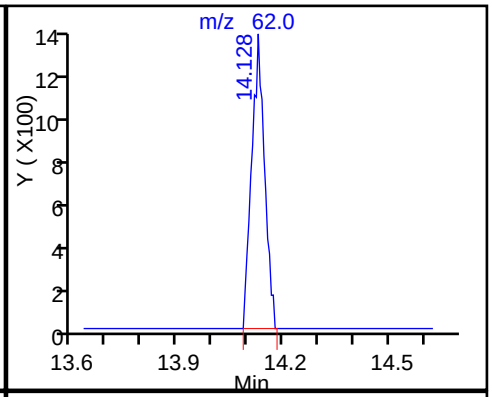
TestAmerica Burlington

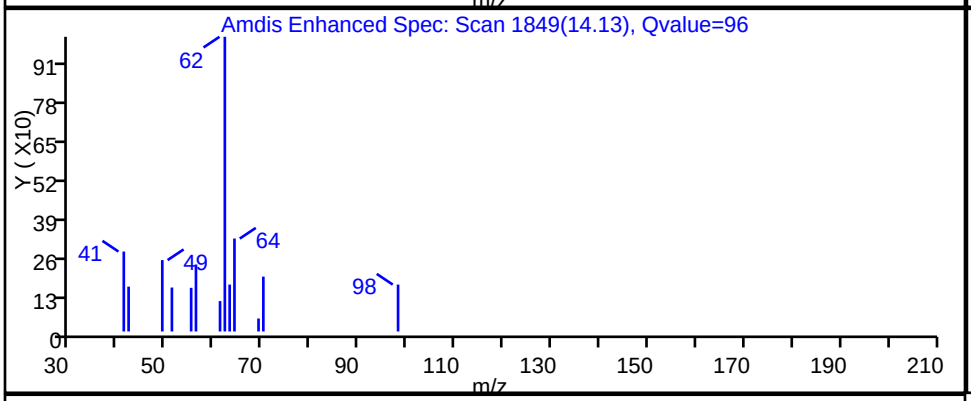
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140731-8801.b\8801_014.d

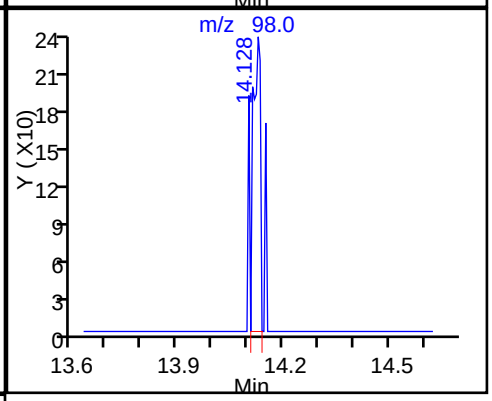
Injection Date:	31-Jul-2014 22:02:30	Instrument ID:	CHW.i		
Lims ID:	280-58003-A-7	Lab Sample ID:	200-58003-7		
Client ID:	776VMP0301KA				
Operator ID:	BPL	ALS Bottle#:	12	Worklist Smp#:	14
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

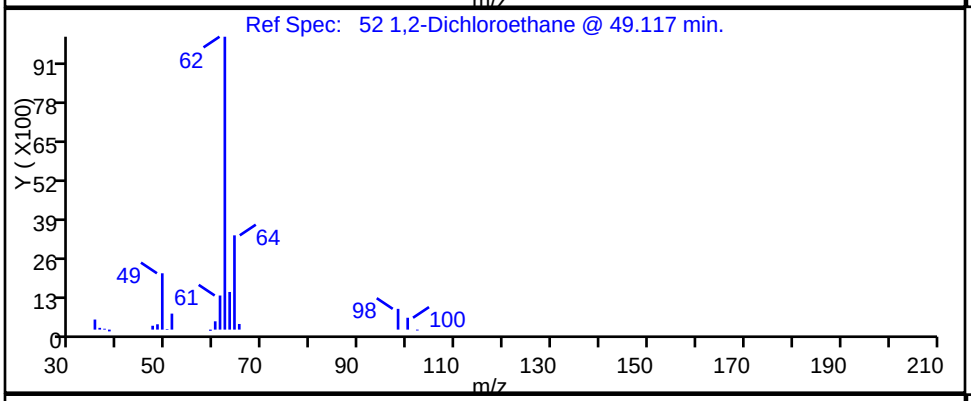
52 1,2-Dichloroethane, CAS: 107-06-2

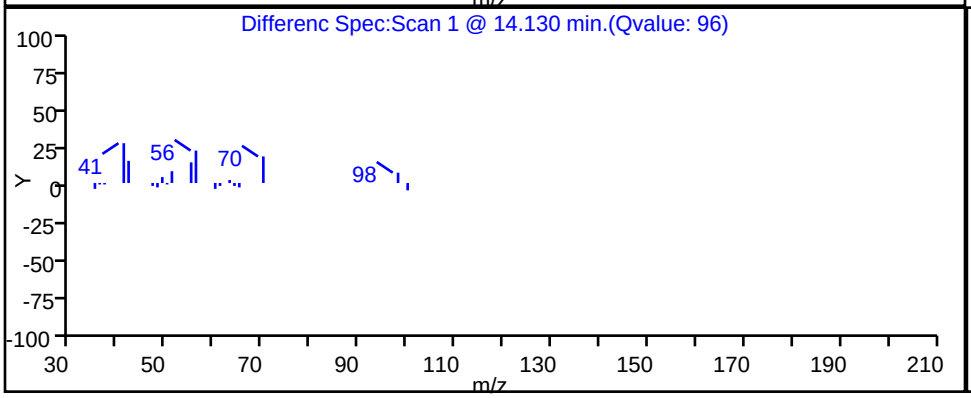


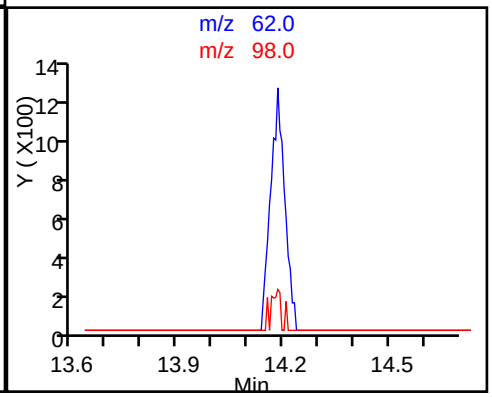












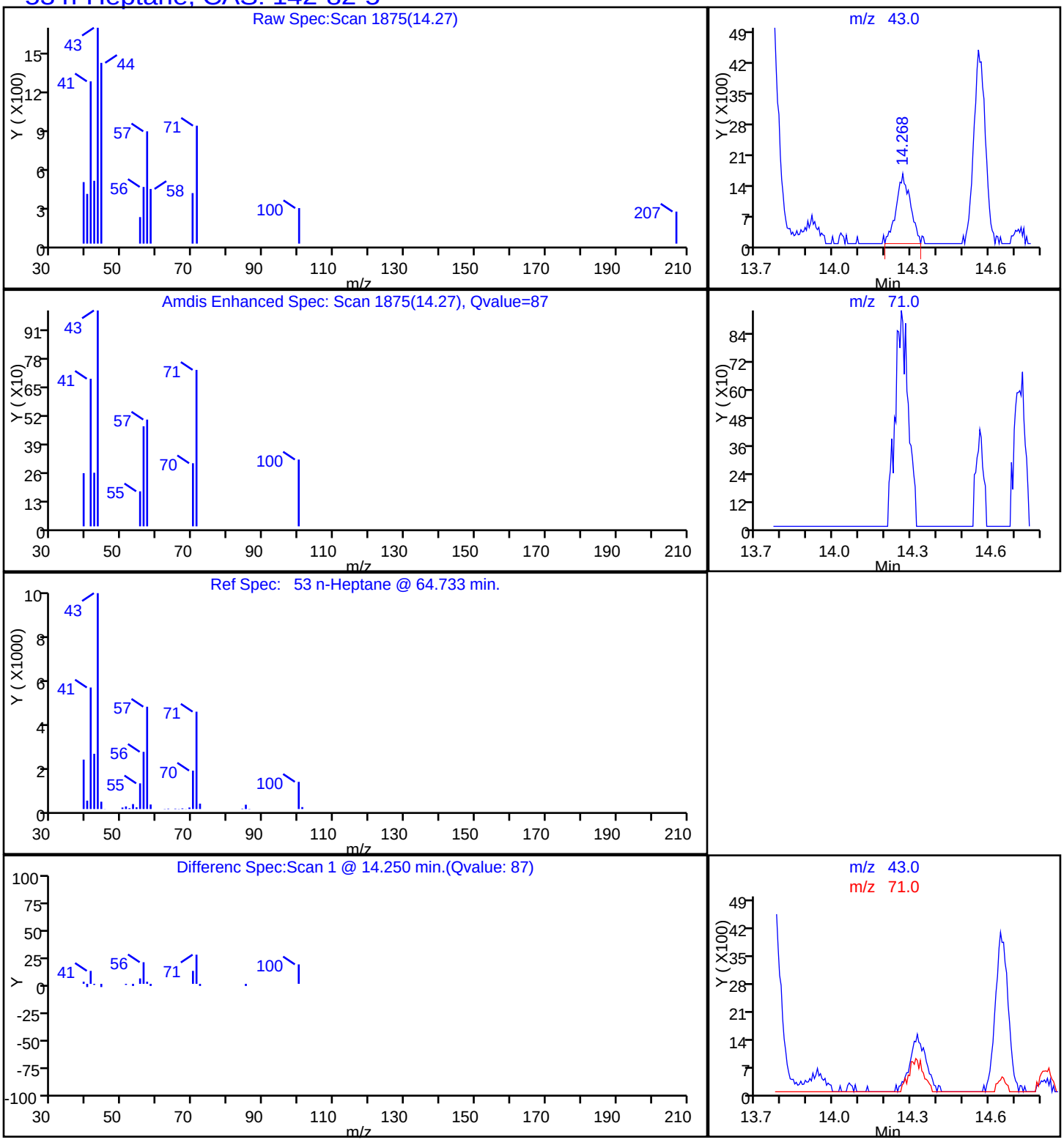
Report Date: 01-Aug-2014 10:24:50 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140731-8801.b\8801_014.d

Injection Date:	31-Jul-2014 22:02:30	Instrument ID:	CHW.i		
Lims ID:	280-58003-A-7	Lab Sample ID:	200-58003-7		
Client ID:	776VMP0301KA				
Operator ID:	BPL	ALS Bottle#:	12	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



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TestAmerica Burlington

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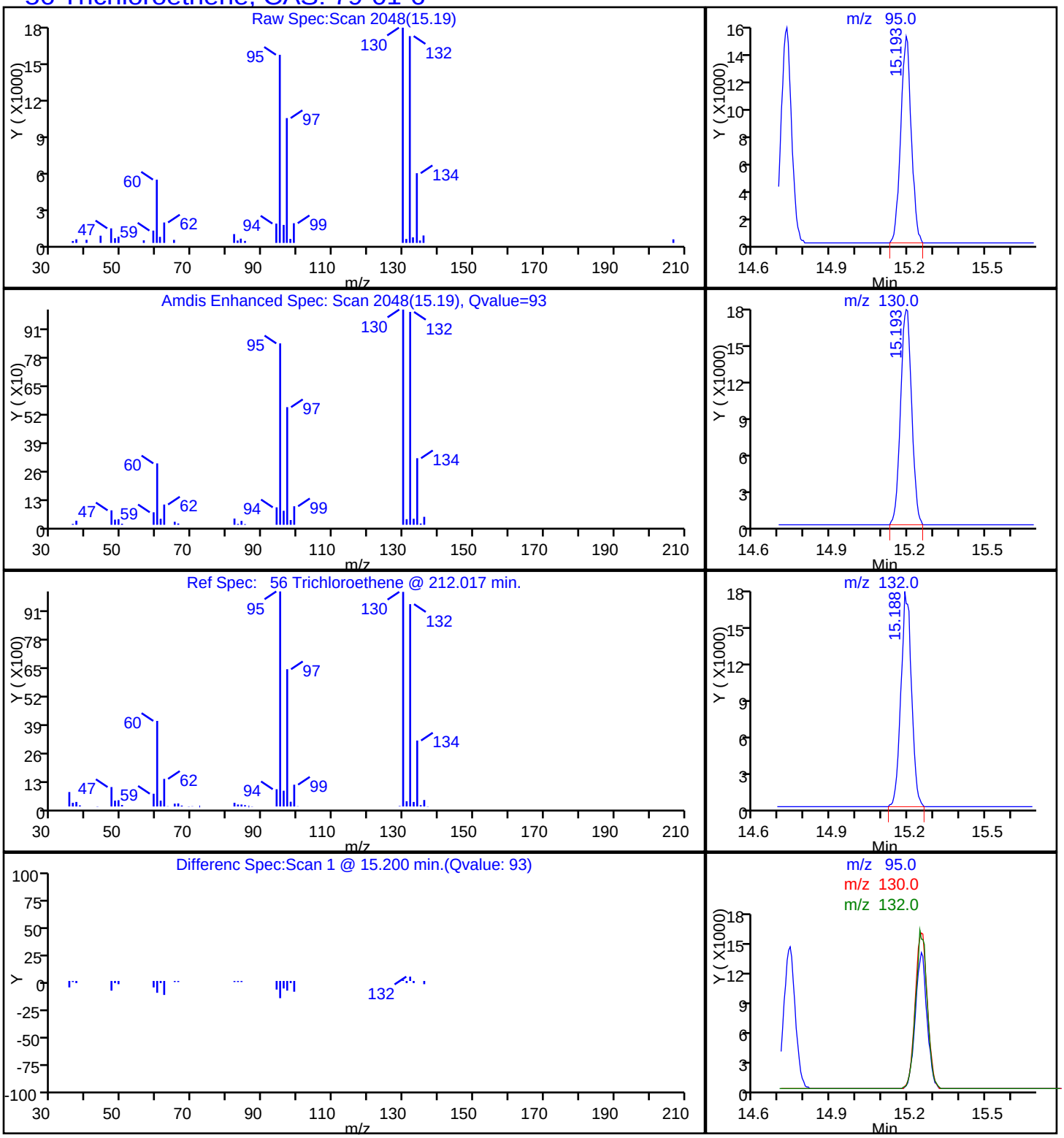
Injection Date:	31-Jul-2014 22:02:30	Instrument ID:	CHW.i
Lims ID:	280-58003-A-7	Lab Sample ID:	200-58003-7
Client ID:	776VMP0301KA		
Operator ID:	BPL	ALS Bottle#:	12 Worklist Smp#: 14
Purge Vol:	200.000 mL	Dil. Factor:	1.0000
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN

56 Trichloroethene, CAS: 79-01-6



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Injection Date:	31-Jul-2014 22:02:30	Instrument ID:	CHW.i		
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Client ID:	776VMP0301KA				
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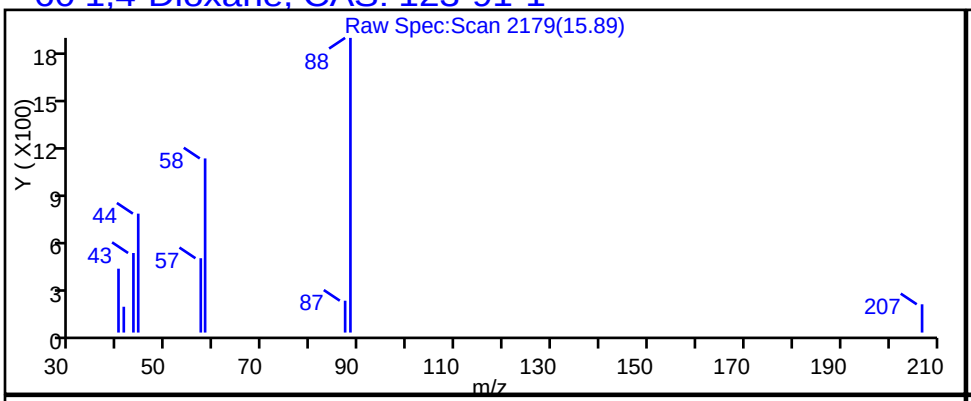
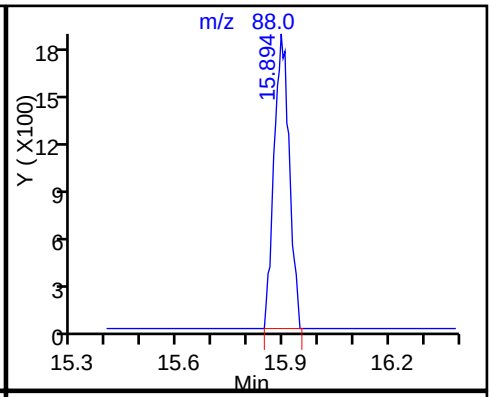
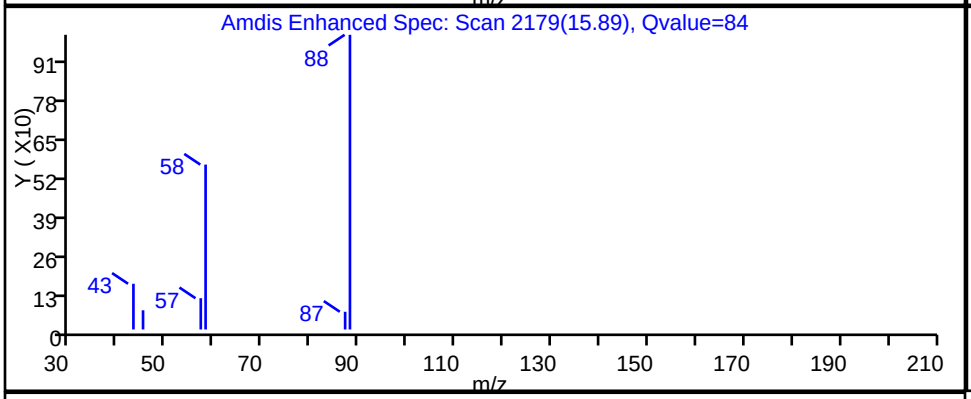
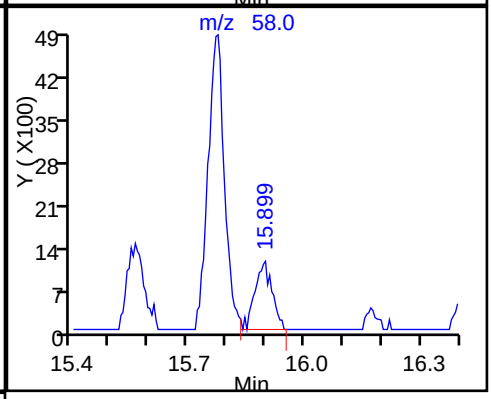
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

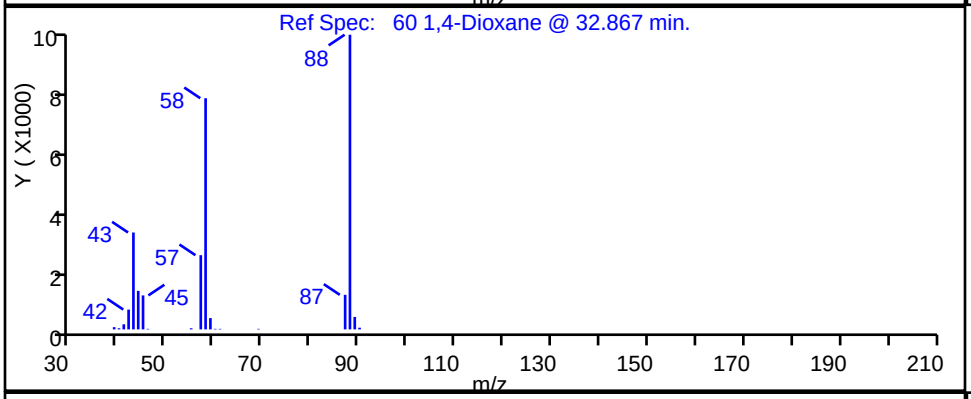
60 1,4-Dioxane, CAS: 123-91-1

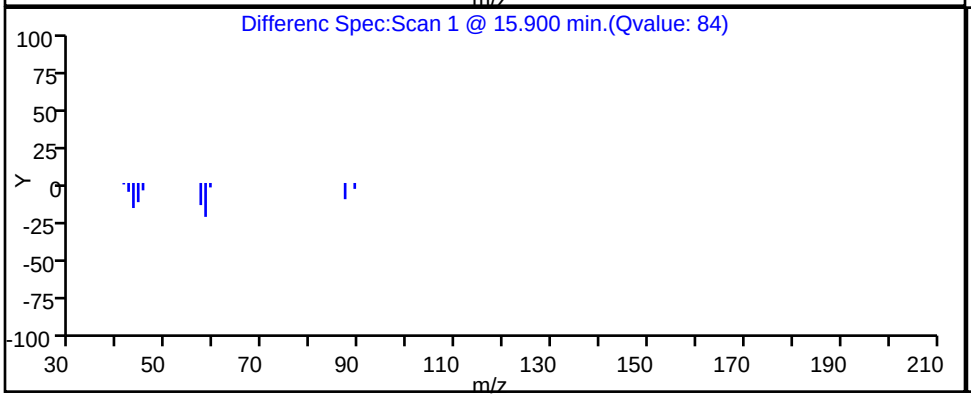


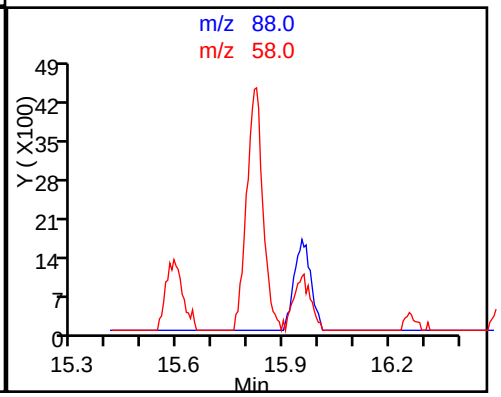












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TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140731-8801.b\8801_014.d

Injection Date:	31-Jul-2014 22:02:30	Instrument ID:	CHW.i		
Lims ID:	280-58003-A-7	Lab Sample ID:	200-58003-7		
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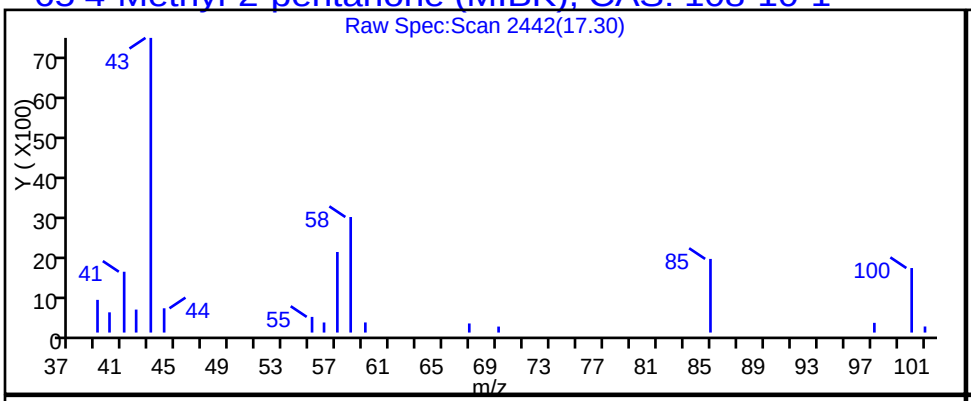
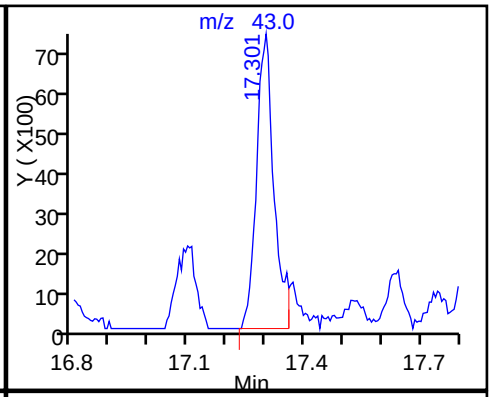
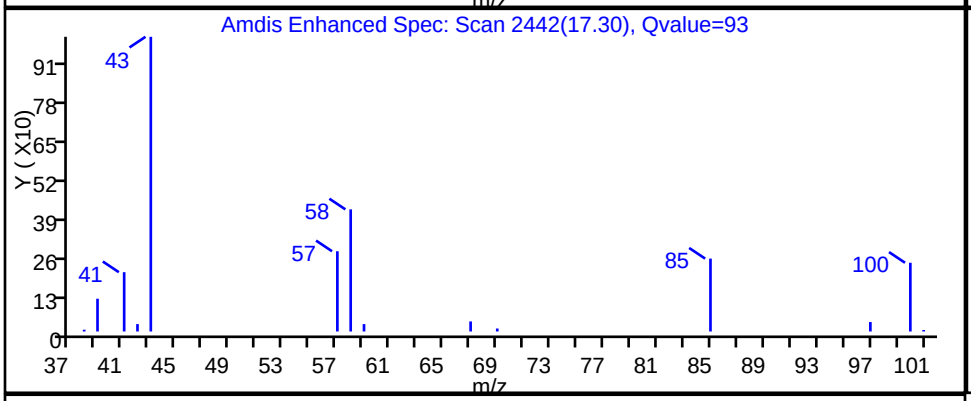
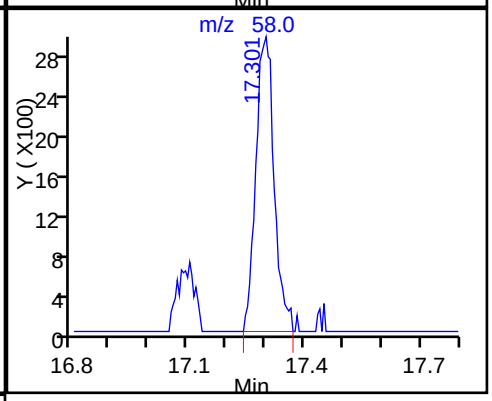
Operator ID:	BPL	ALS Bottle#:	12	Worklist Smp#:	14
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

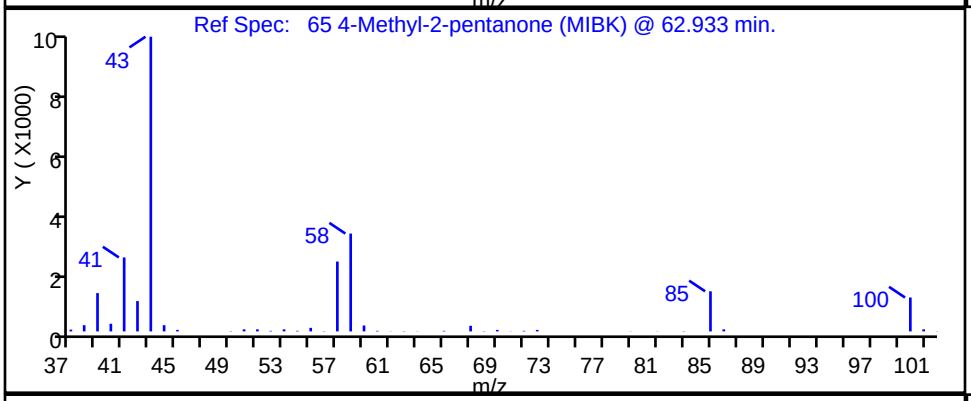
65 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

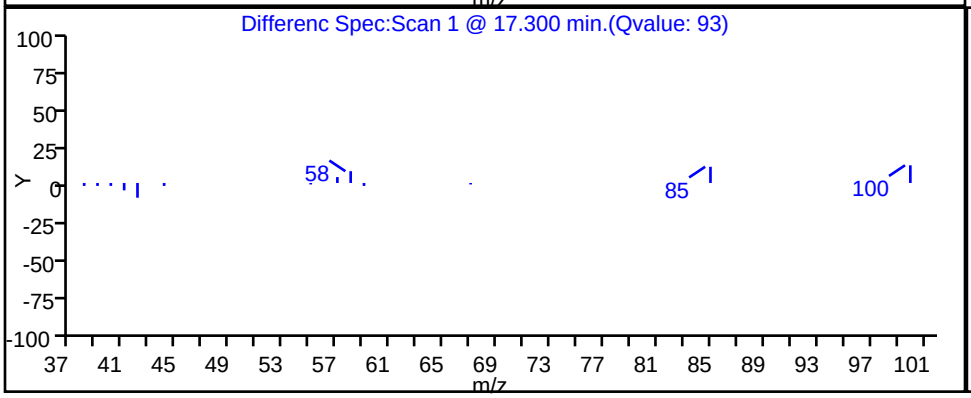


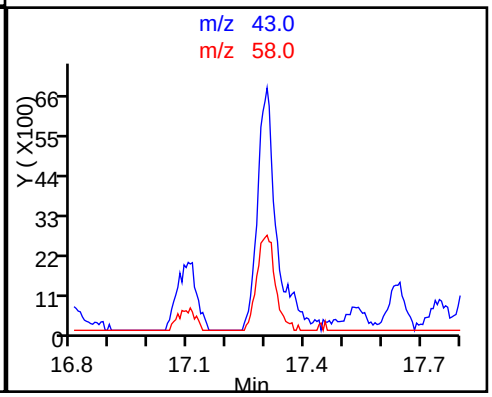












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TestAmerica Burlington

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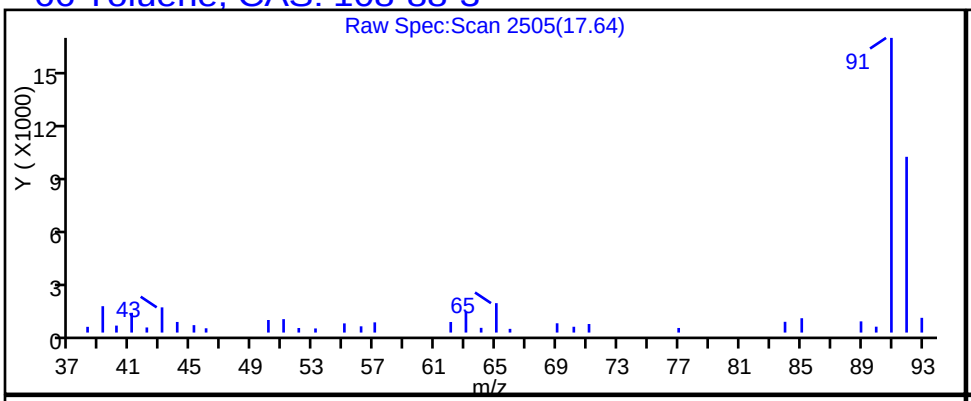
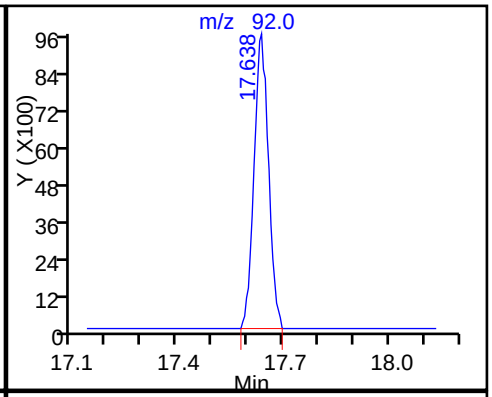
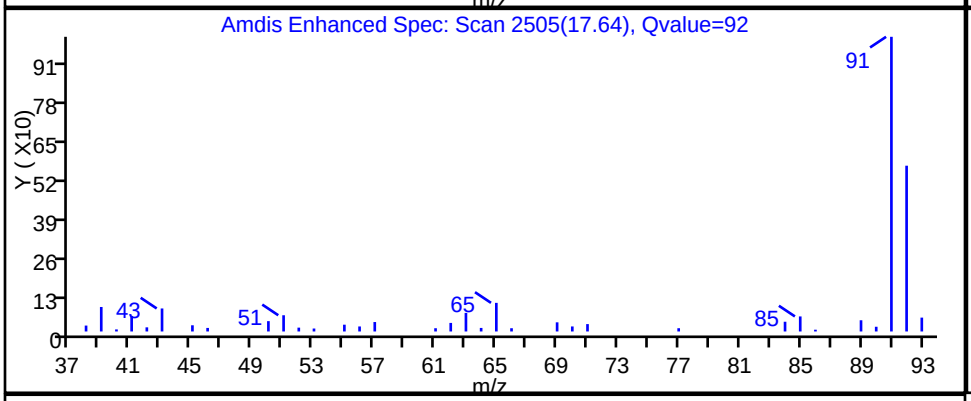
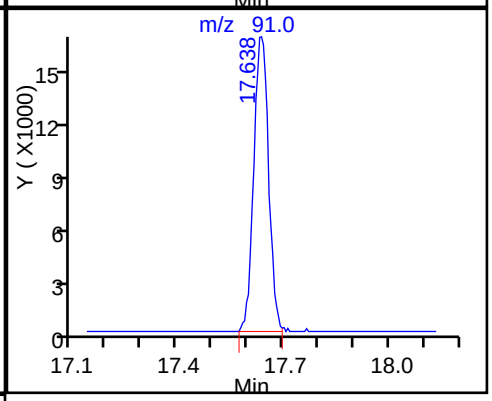
Injection Date:	31-Jul-2014 22:02:30	Instrument ID:	CHW.i		
Lims ID:	280-58003-A-7	Lab Sample ID:	200-58003-7		
Client ID:	776VMP0301KA				
Operator ID:	BPL	ALS Bottle#:	12	Worklist Smp#:	14
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

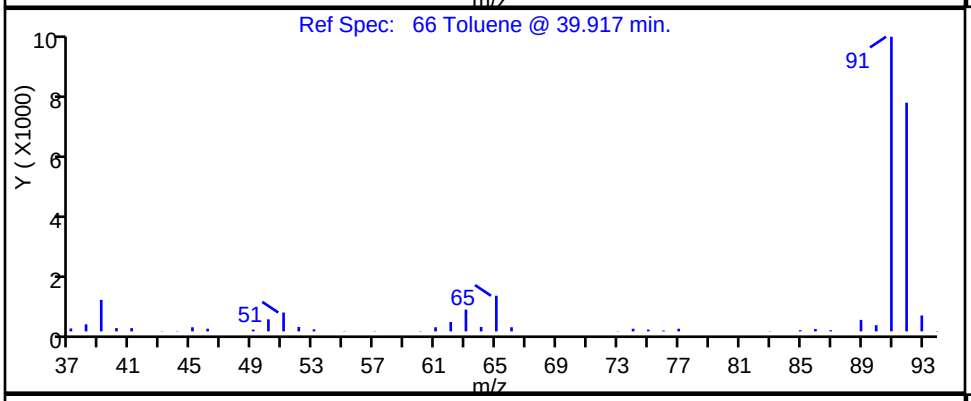
66 Toluene, CAS: 108-88-3

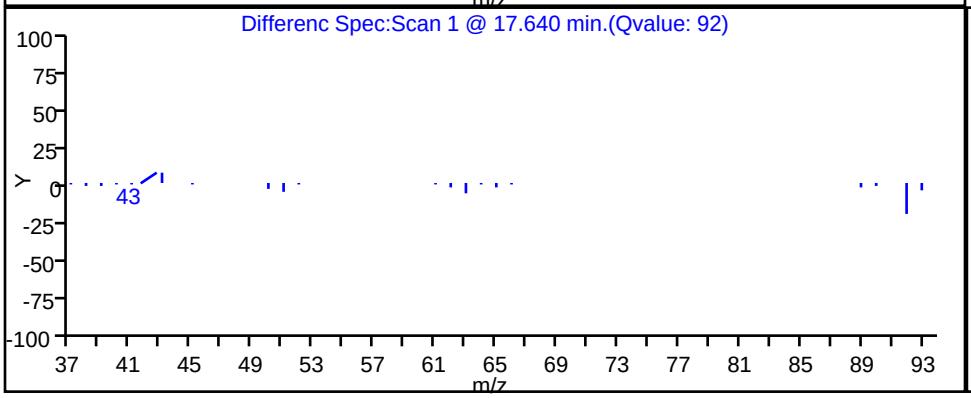


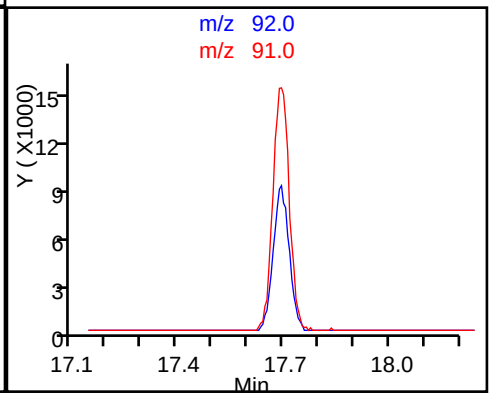








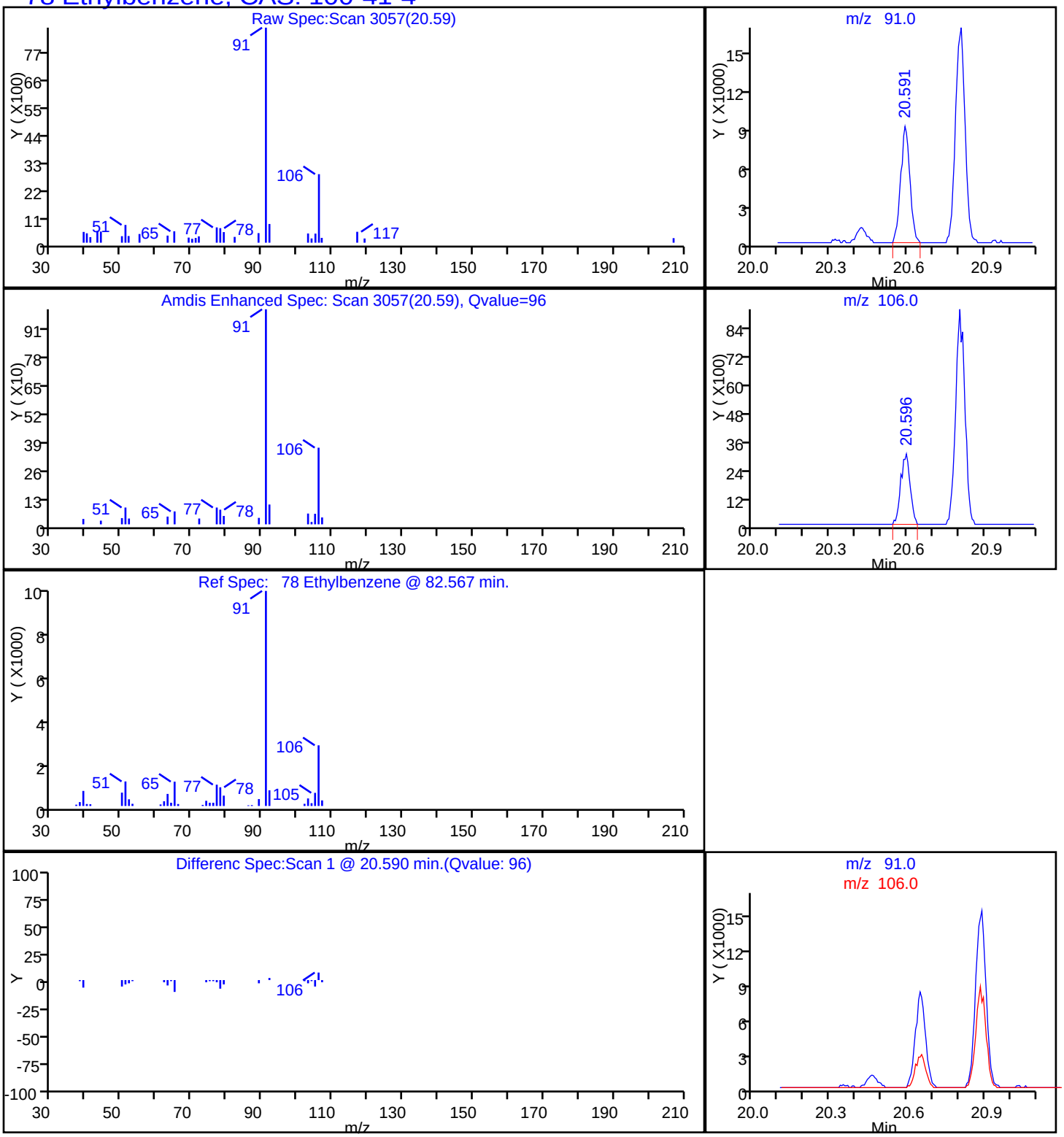




TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140731-8801.b\8801_014.d				
Injection Date:	31-Jul-2014 22:02:30	Instrument ID:	CHW.i		
Lims ID:	280-58003-A-7	Lab Sample ID:	200-58003-7		
Client ID:	776VMP0301KA				
Operator ID:	BPL	ALS Bottle#:	12	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		

78 Ethylbenzene, CAS: 100-41-4



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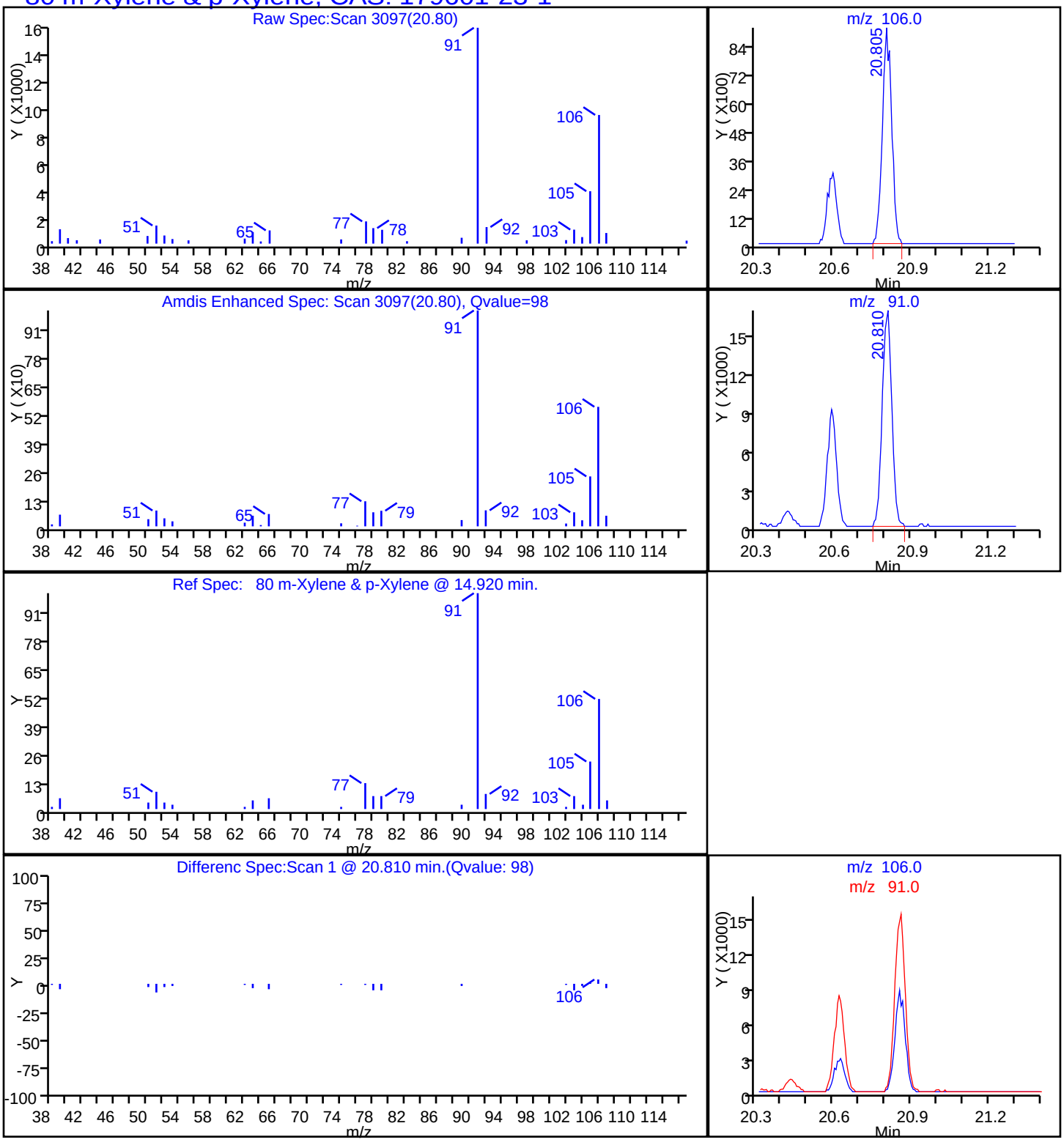
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140731-8801.b\8801_014.d

Injection Date:	31-Jul-2014 22:02:30	Instrument ID:	CHW.i		
Lims ID:	280-58003-A-7	Lab Sample ID:	200-58003-7		
Client ID:	776VMP0301KA				
Operator ID:	BPL	ALS Bottle#:	12	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		

80 m-Xylene & p-Xylene, CAS: 179601-23-1



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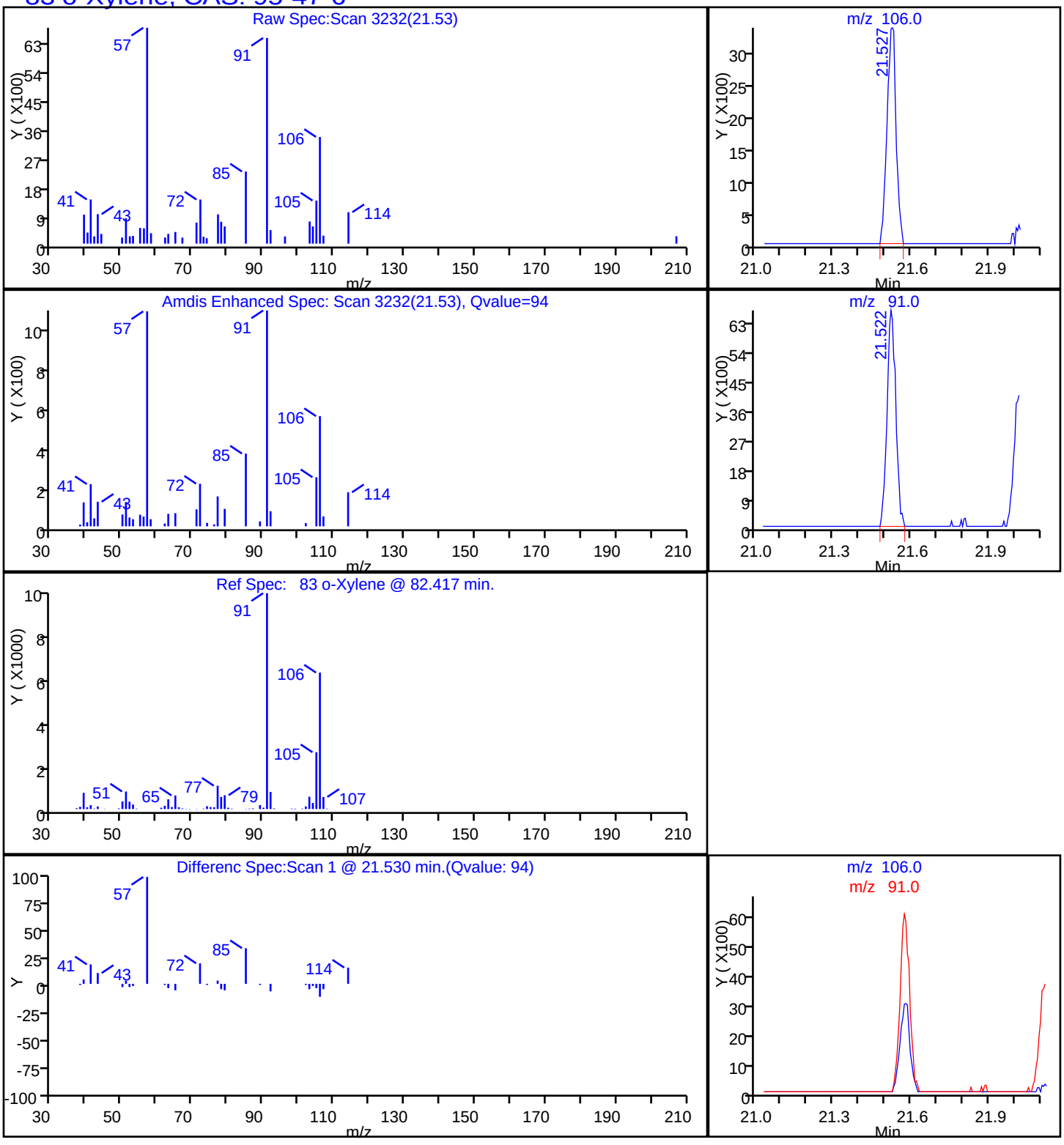
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

83 o-Xylene, CAS: 95-47-6



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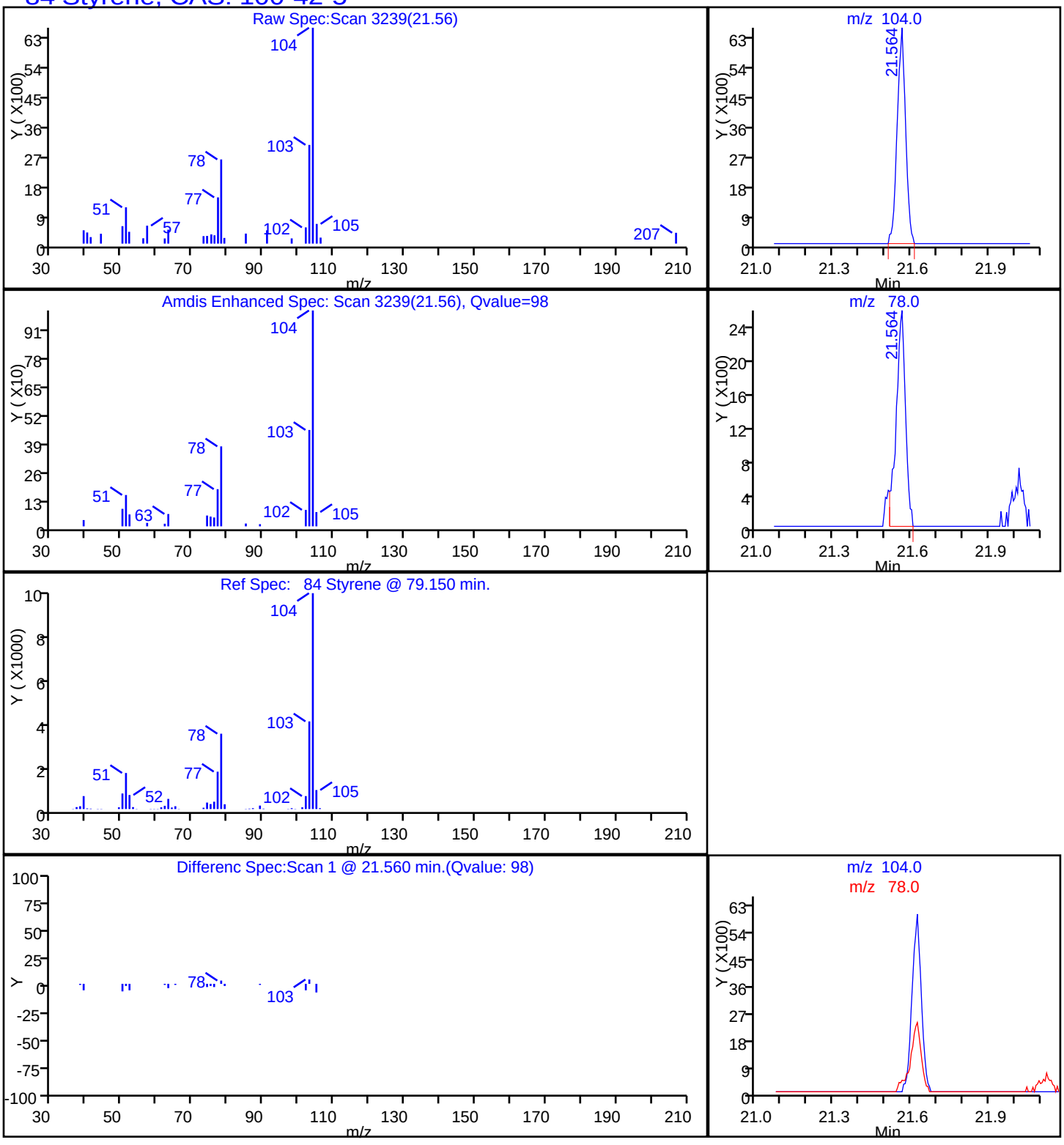
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

84 Styrene, CAS: 100-42-5



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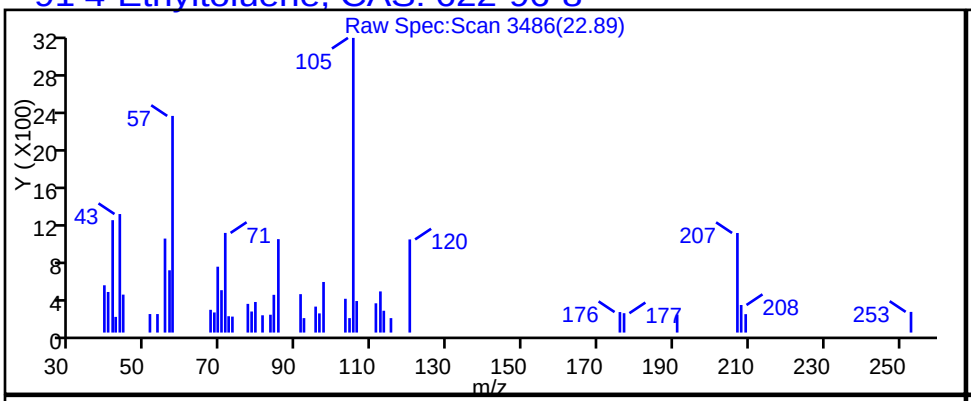
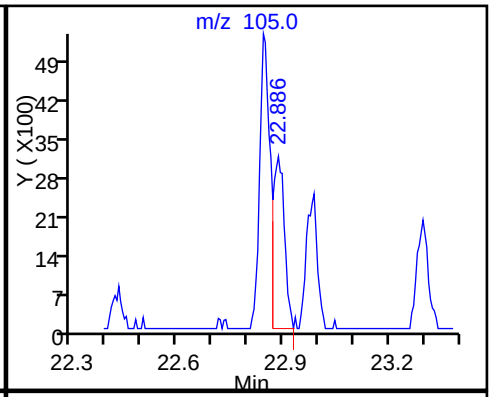
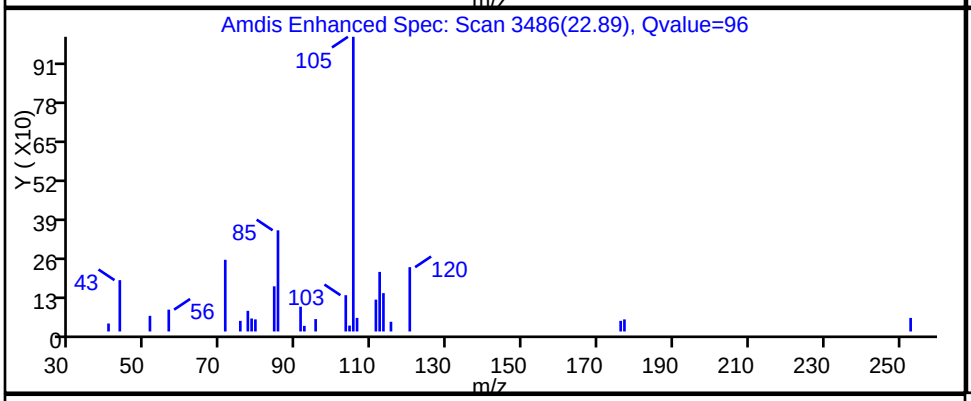
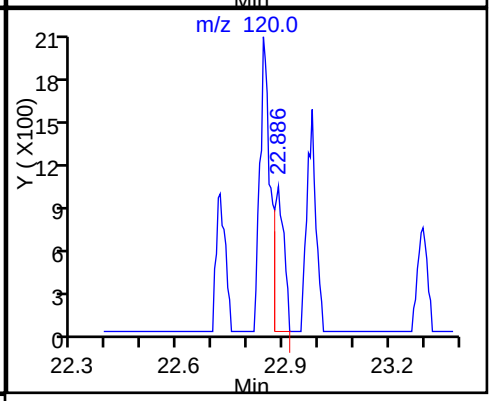
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

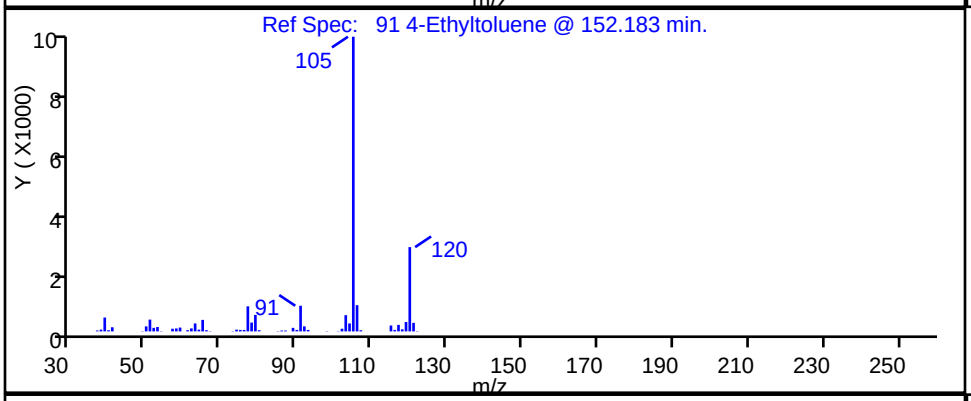
91 4-Ethyltoluene, CAS: 622-96-8

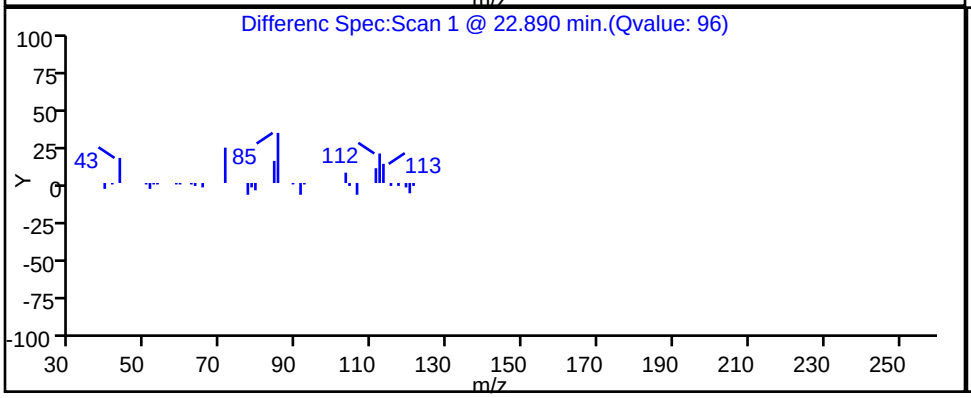


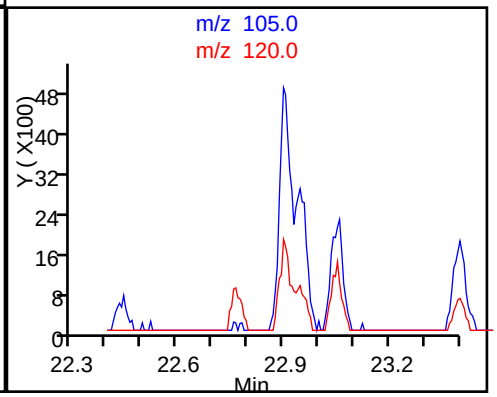












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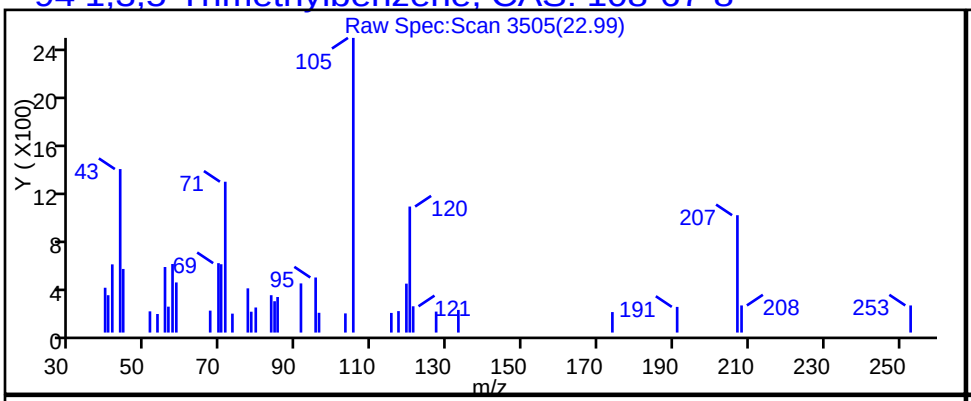
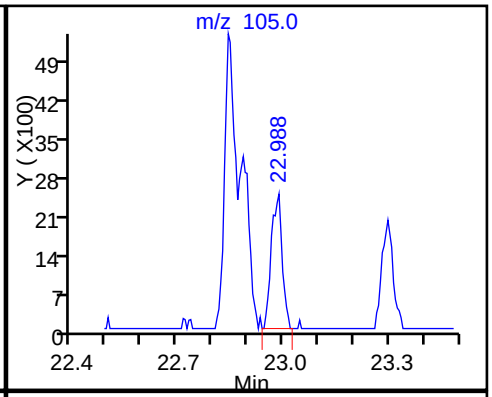
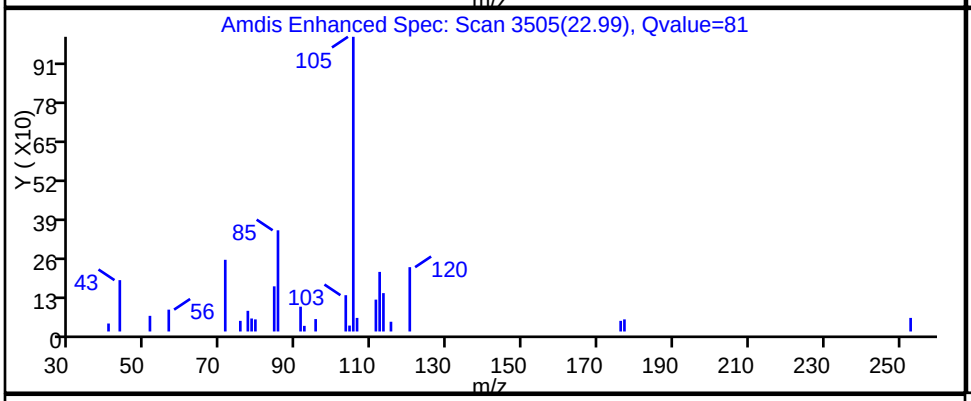
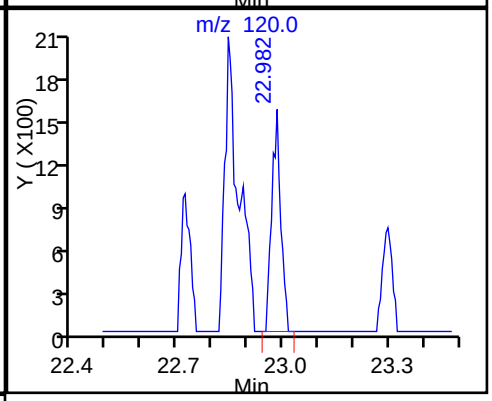
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

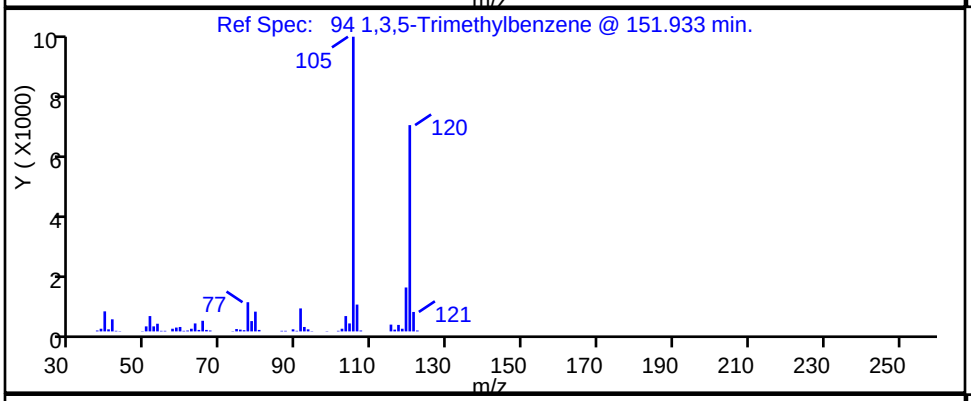
94 1,3,5-Trimethylbenzene, CAS: 108-67-8

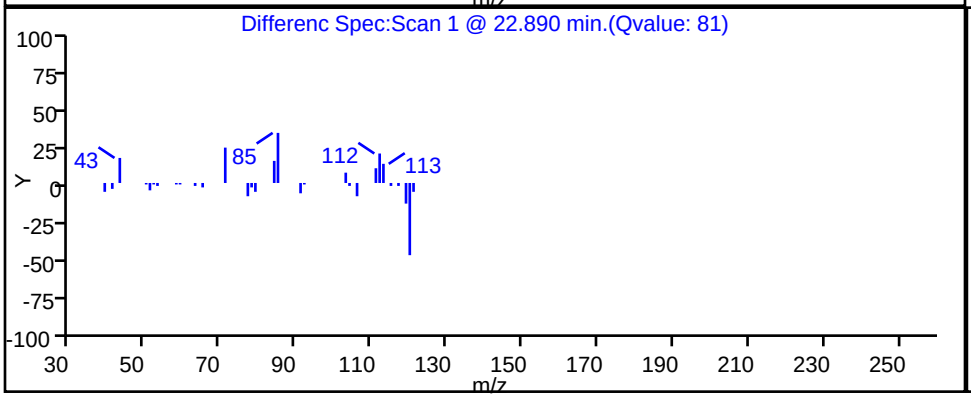


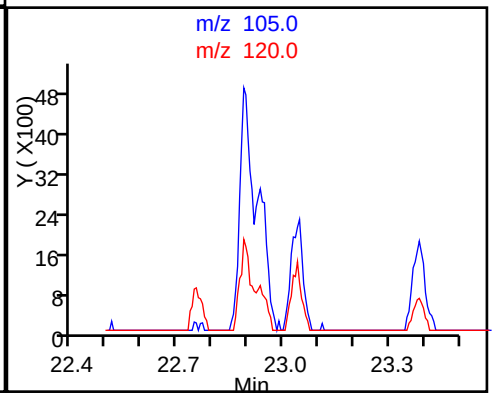












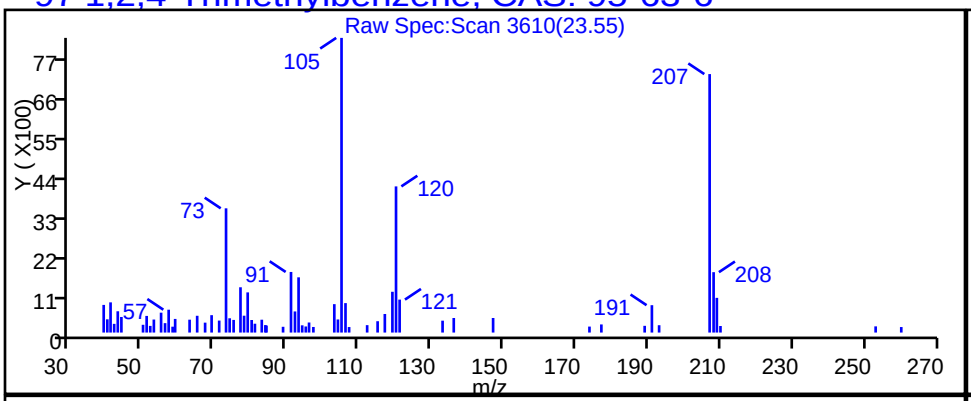
Report Date: 01-Aug-2014 10:24:50 Chrom Revision: 2.2 24-Jun-2014 07:21:42

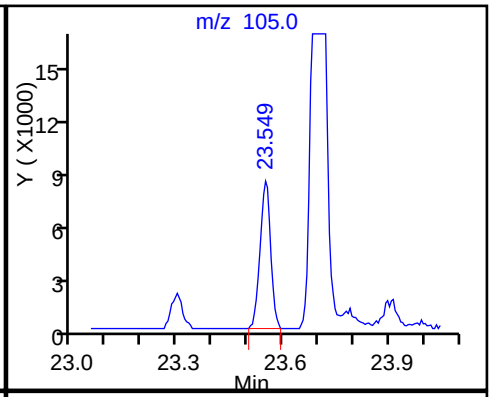
TestAmerica Burlington

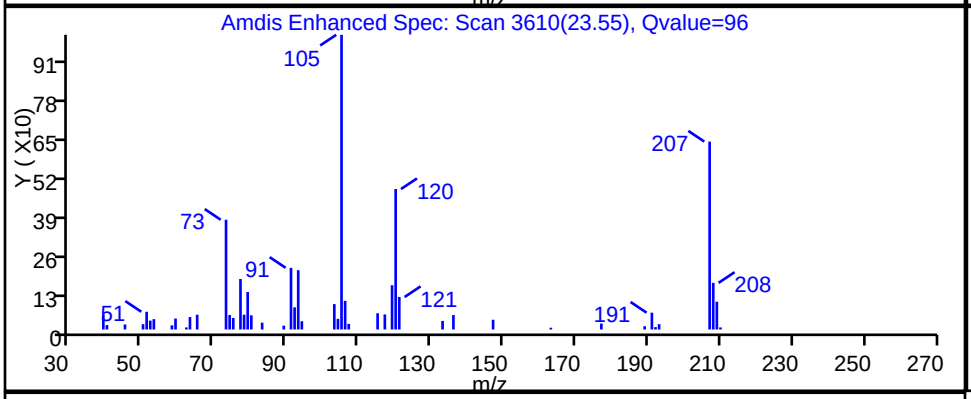
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140731-8801.b\8801_014.d

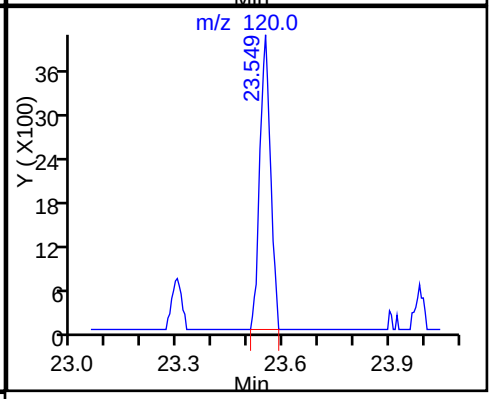
Injection Date:	31-Jul-2014 22:02:30	Instrument ID:	CHW.i		
Lims ID:	280-58003-A-7	Lab Sample ID:	200-58003-7		
Client ID:	776VMP0301KA				
Operator ID:	BPL	ALS Bottle#:	12	Worklist Smp#:	14
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

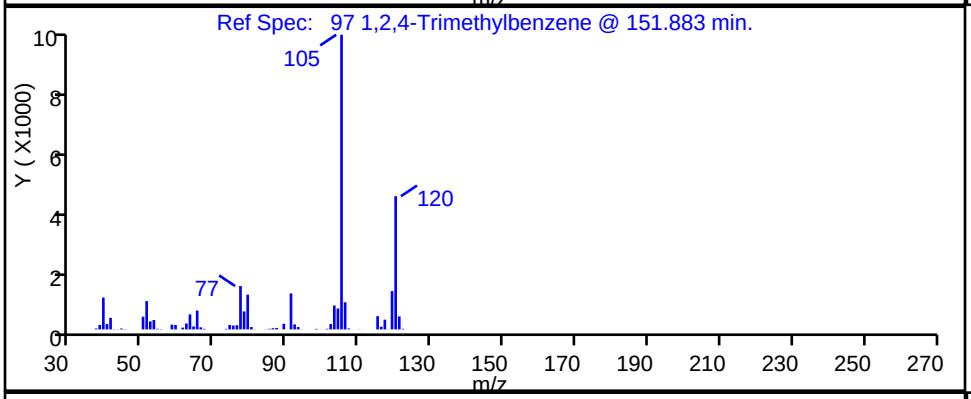
97 1,2,4-Trimethylbenzene, CAS: 95-63-6

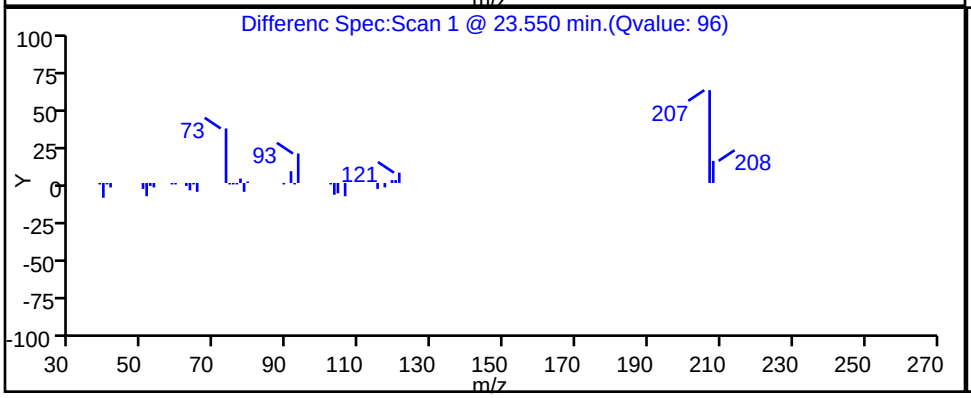


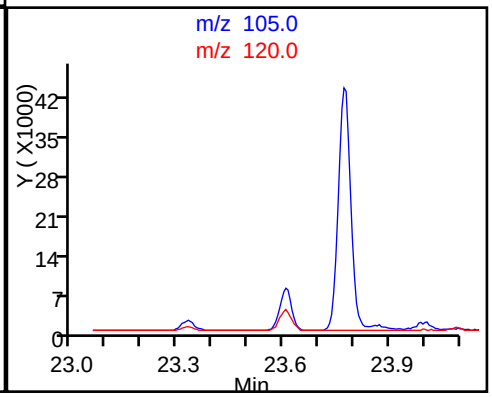












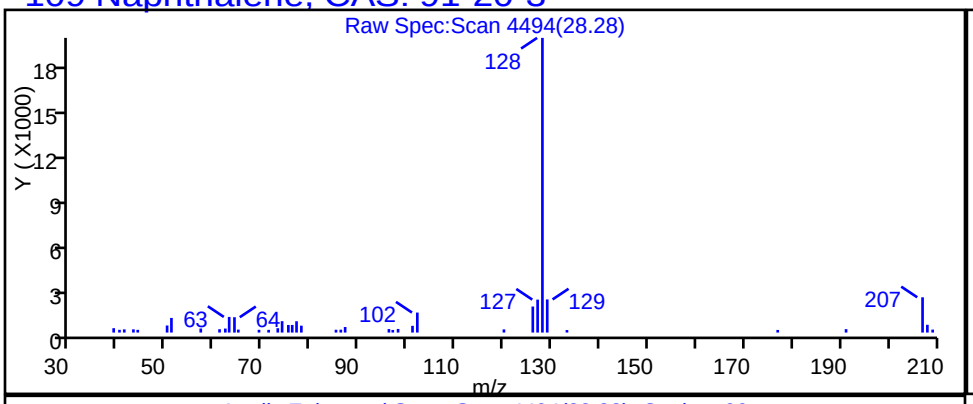
Report Date: 01-Aug-2014 10:24:51 Chrom Revision: 2.2 24-Jun-2014 07:21:42

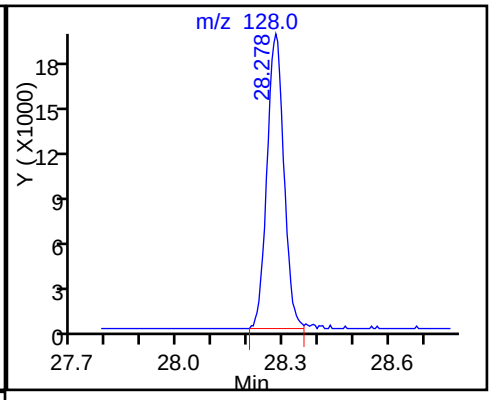
TestAmerica Burlington

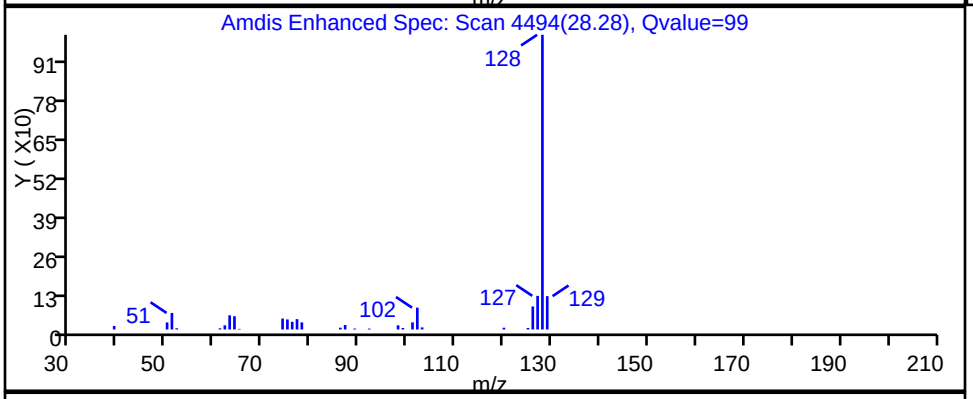
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140731-8801.b\8801_014.d

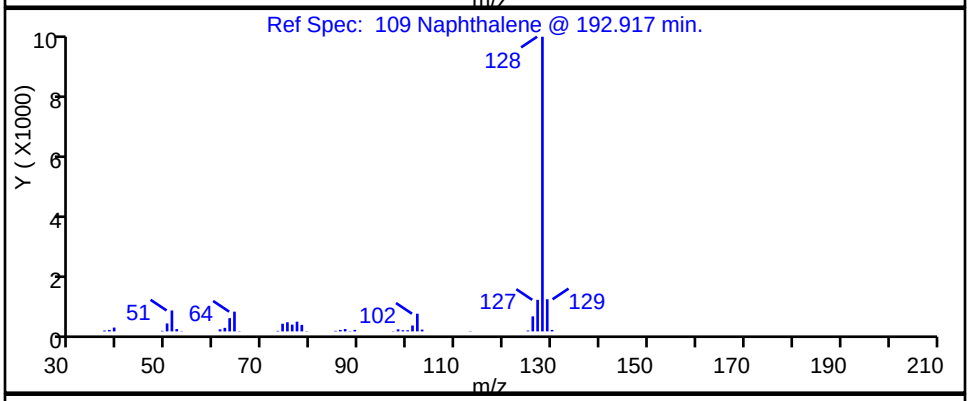
Injection Date:	31-Jul-2014 22:02:30	Instrument ID:	CHW.i		
Lims ID:	280-58003-A-7	Lab Sample ID:	200-58003-7		
Client ID:	776VMP0301KA				
Operator ID:	BPL	ALS Bottle#:	12	Worklist Smp#:	14
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

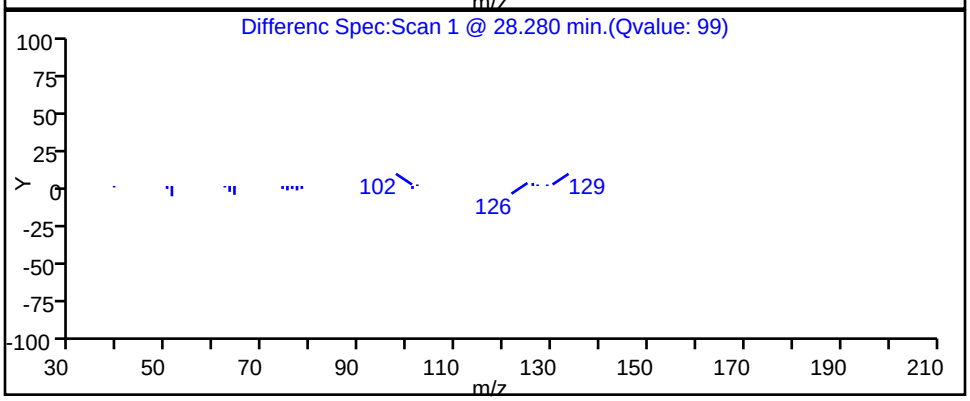
109 Naphthalene, CAS: 91-20-3











Manual Integration/User Assign Peak Report

TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140731-8801.b\8801_014.d				
Injection Date:	31-Jul-2014 22:02:30	Instrument ID:	CHW.i		
Lims ID:	280-58003-A-7	Lab Sample ID:	200-58003-7		
Client ID:	776VMP0301KA				
Operator ID:	BPL	ALS Bottle#:	12	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		

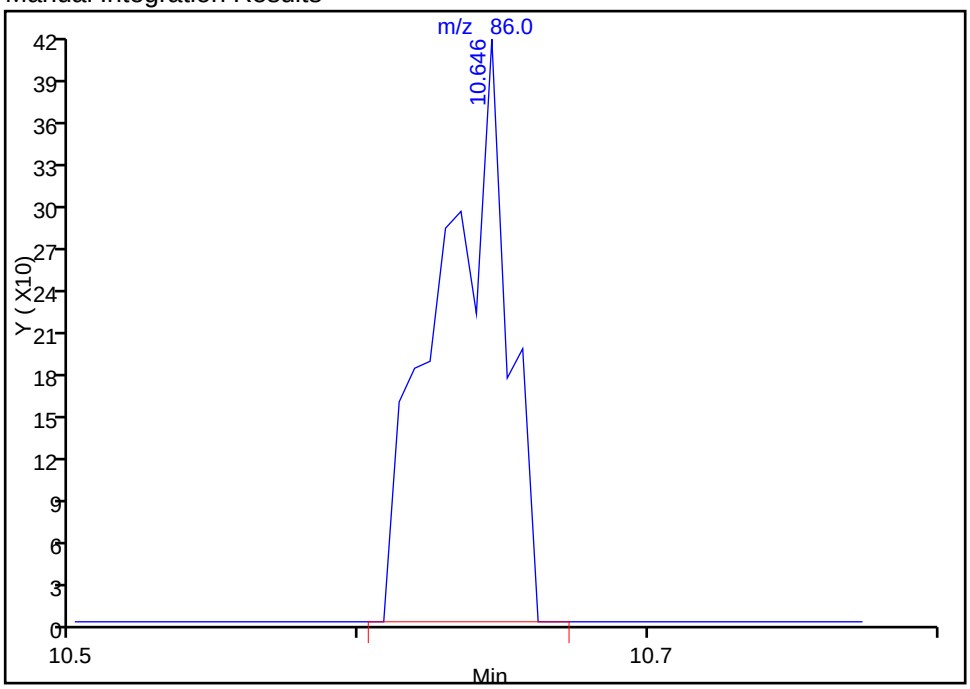
36 Hexane, CAS: 110-54-3

Processing Integration Results

RT: 10.64
Response: 0
Amount: 0.046157

Manual Integration Results

RT: 10.65
Response: 675
Amount: 0.069319



Reviewer: lyonsb, 01-Aug-2014 10:08:03
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

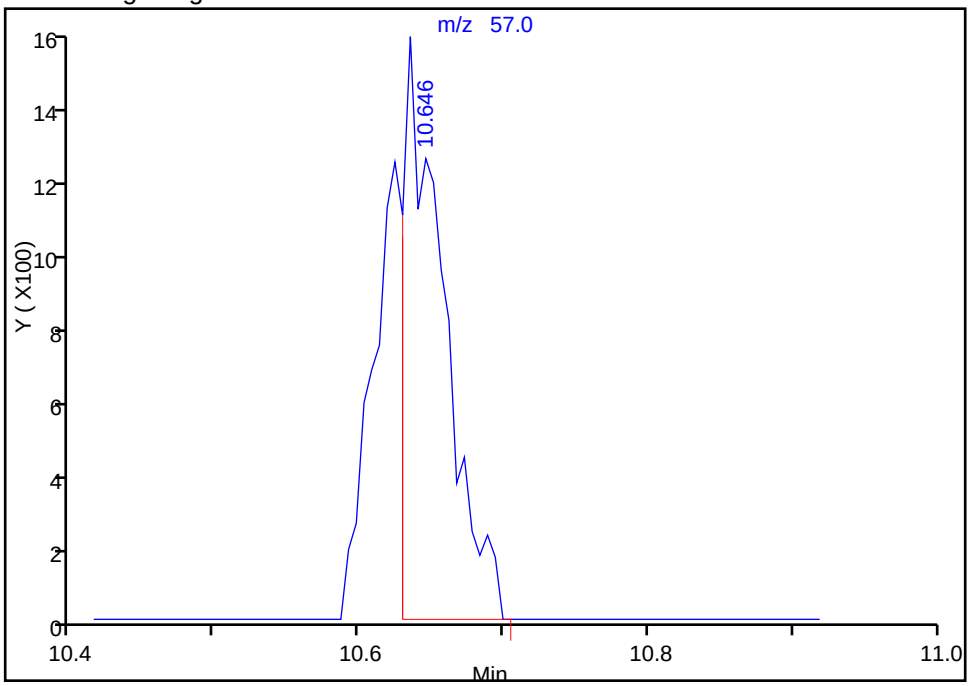
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140731-8801.b\8801_014.d				
Injection Date:	31-Jul-2014 22:02:30	Instrument ID:	CHW.i		
Lims ID:	280-58003-A-7	Lab Sample ID:	200-58003-7		
Client ID:	776VMP0301KA				
Operator ID:	BPL	ALS Bottle#:	12	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

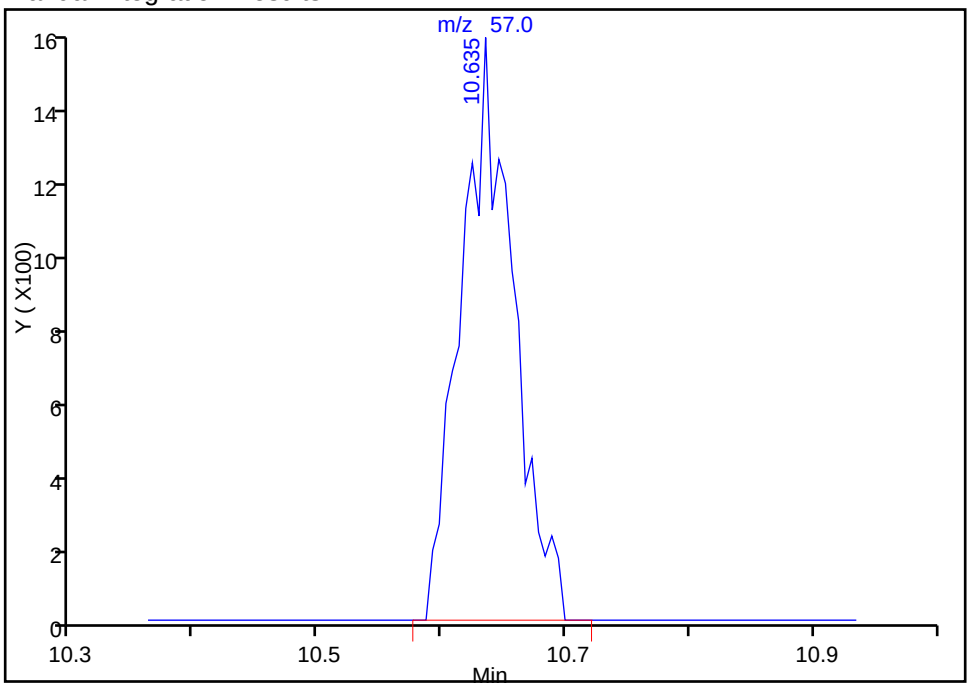
Processing Integration Results

RT: 10.65
Response: 3035
Amount: 0.046157



Manual Integration Results

RT: 10.64
Response: 4558
Amount: 0.069319



Reviewer: lyonsb, 01-Aug-2014 10:08:03
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

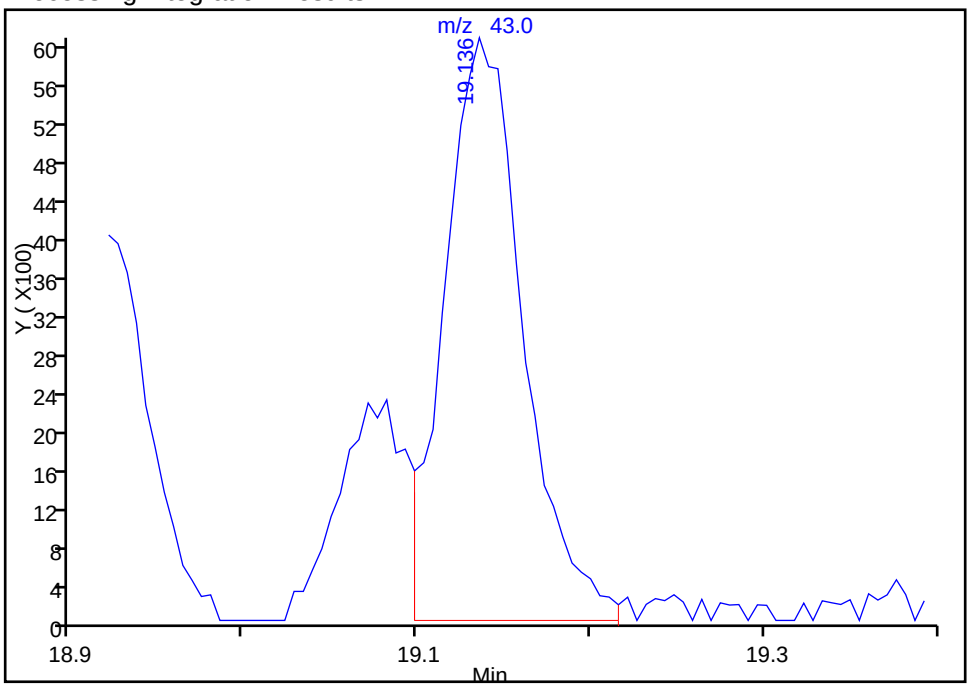
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140731-8801.b\8801_014.d				
Injection Date:	31-Jul-2014 22:02:30	Instrument ID:	CHW.i		
Lims ID:	280-58003-A-7	Lab Sample ID:	200-58003-7		
Client ID:	776VMP0301KA				
Operator ID:	BPL	ALS Bottle#:	12	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		

73 2-Hexanone, CAS: 591-78-6

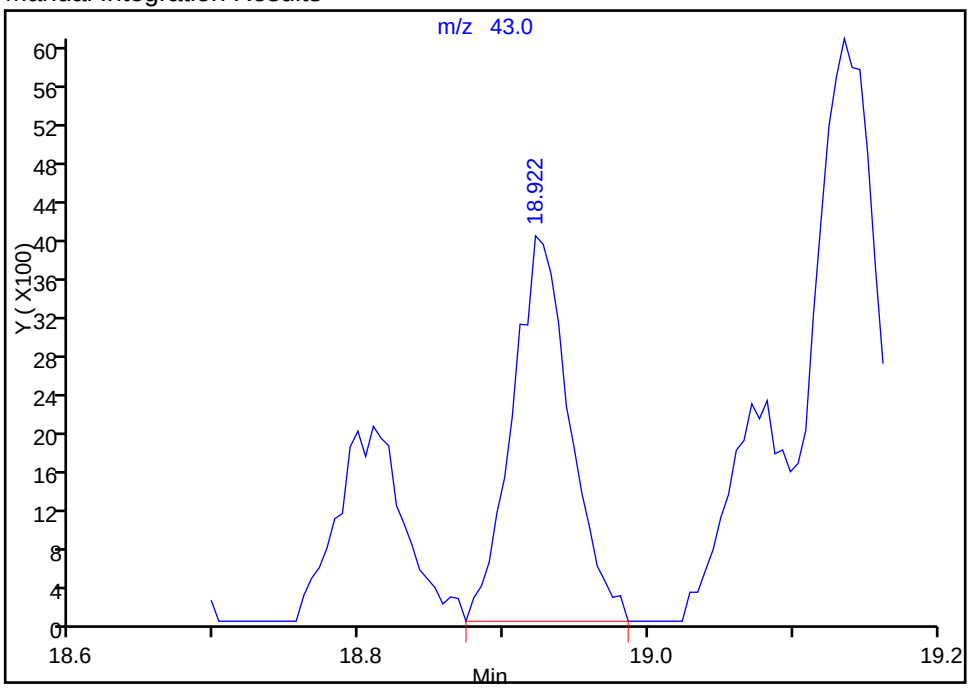
Processing Integration Results

RT: 19.14
Response: 19272
Amount: 0.240806



Manual Integration Results

RT: 18.92
Response: 11127
Amount: 0.139033



Reviewer: lyonsb, 01-Aug-2014 10:08:03
Audit Action: Assigned Compound ID
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

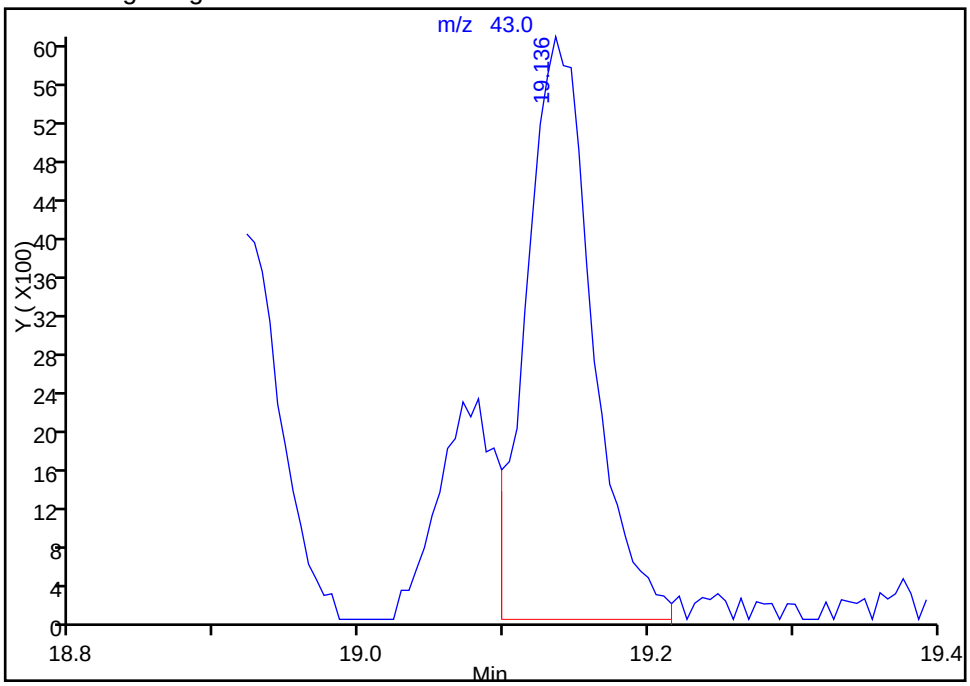
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140731-8801.b\8801_014.d				
Injection Date:	31-Jul-2014 22:02:30	Instrument ID:	CHW.i		
Lims ID:	280-58003-A-7	Lab Sample ID:	200-58003-7		
Client ID:	776VMP0301KA				
Operator ID:	BPL	ALS Bottle#:	12	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		

73 2-Hexanone, CAS: 591-78-6

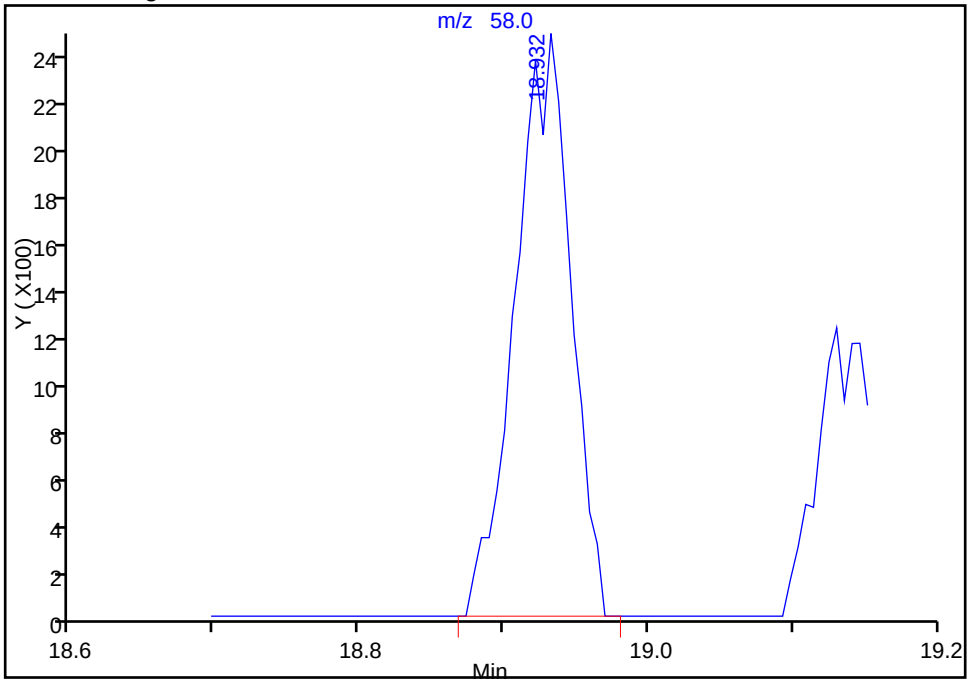
Processing Integration Results

RT: 18.92
Response: 0
Amount: 0.240806



Manual Integration Results

RT: 18.93
Response: 6464
Amount: 0.139033



Reviewer: lyonsb, 01-Aug-2014 10:08:03
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

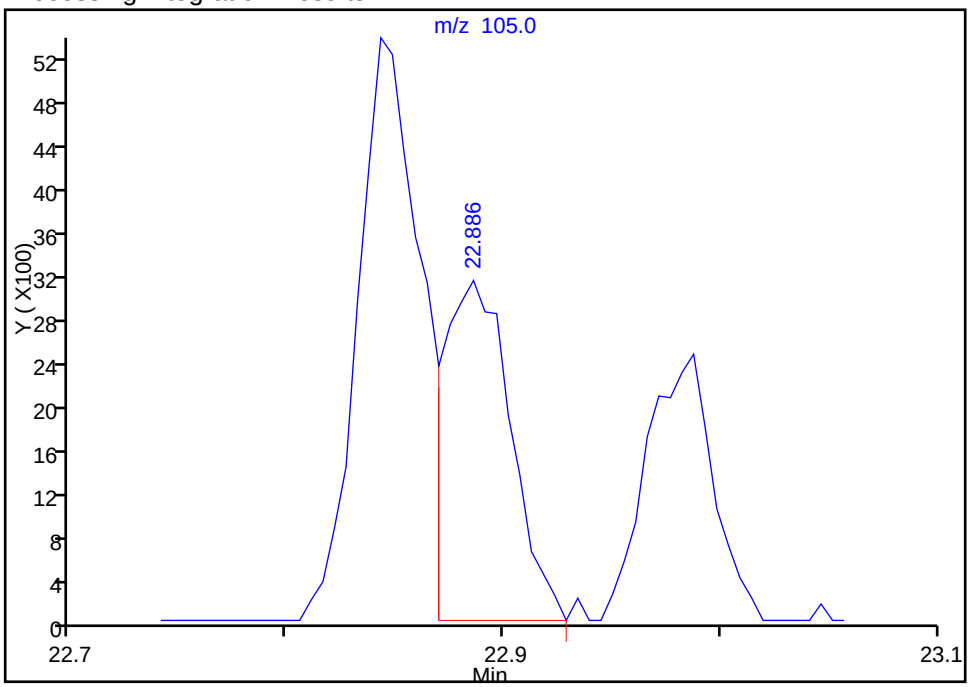
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140731-8801.b\8801_014.d				
Injection Date:	31-Jul-2014 22:02:30	Instrument ID:	CHW.i		
Lims ID:	280-58003-A-7	Lab Sample ID:	200-58003-7		
Client ID:	776VMP0301KA				
Operator ID:	BPL	ALS Bottle#:	12	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

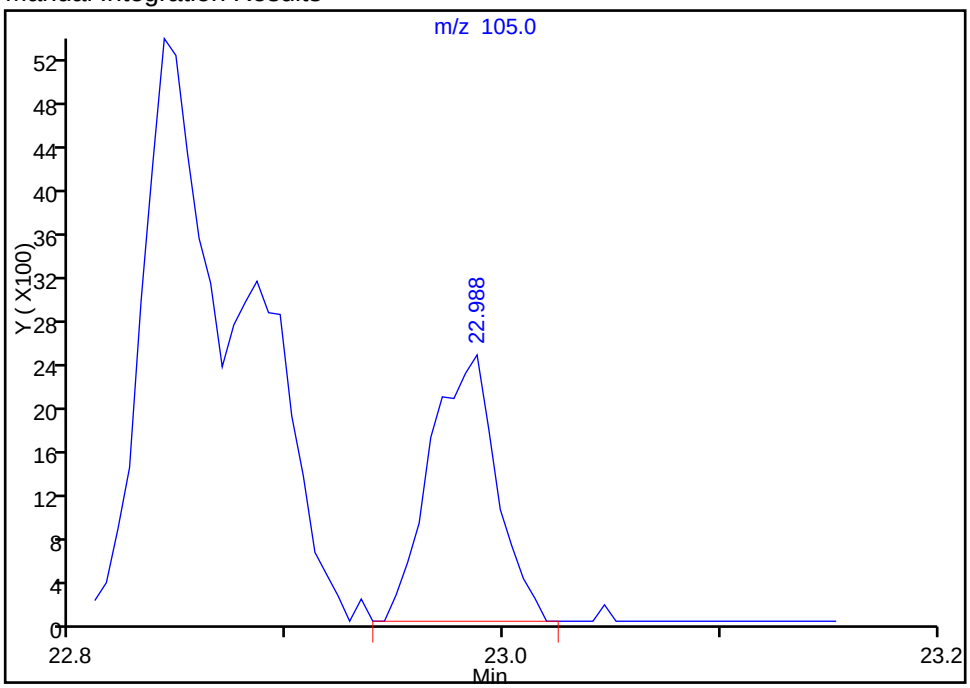
Processing Integration Results

RT: 22.89
Response: 6832
Amount: 0.028733



Manual Integration Results

RT: 22.99
Response: 5228
Amount: 0.021987



Reviewer: lyonsb, 01-Aug-2014 10:08:03
Audit Action: Assigned Compound ID
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

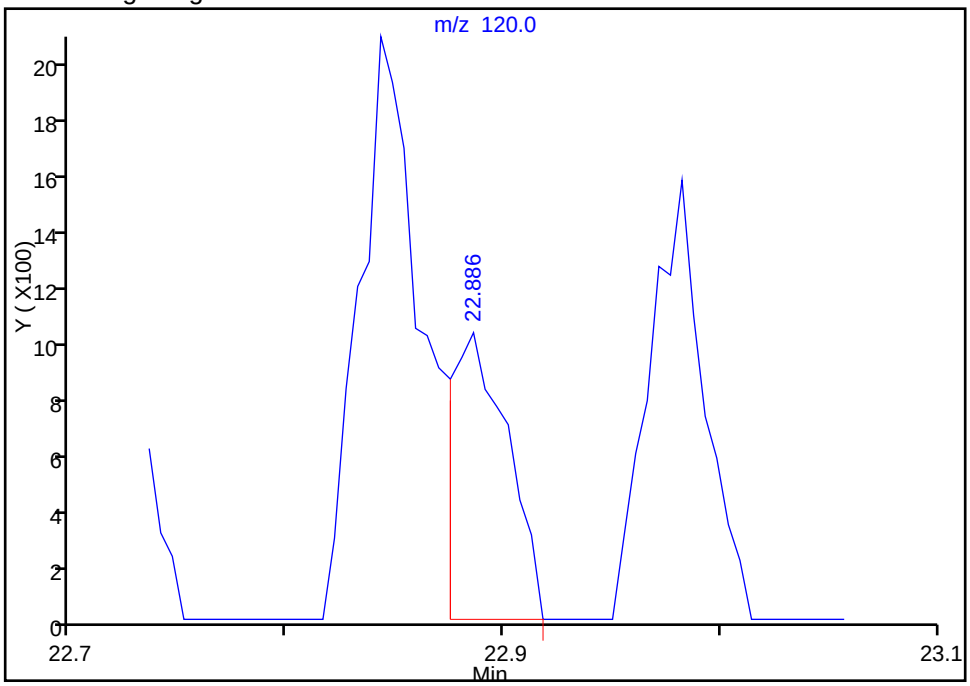
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140731-8801.b\8801_014.d				
Injection Date:	31-Jul-2014 22:02:30	Instrument ID:	CHW.i		
Lims ID:	280-58003-A-7	Lab Sample ID:	200-58003-7		
Client ID:	776VMP0301KA				
Operator ID:	BPL	ALS Bottle#:	12	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

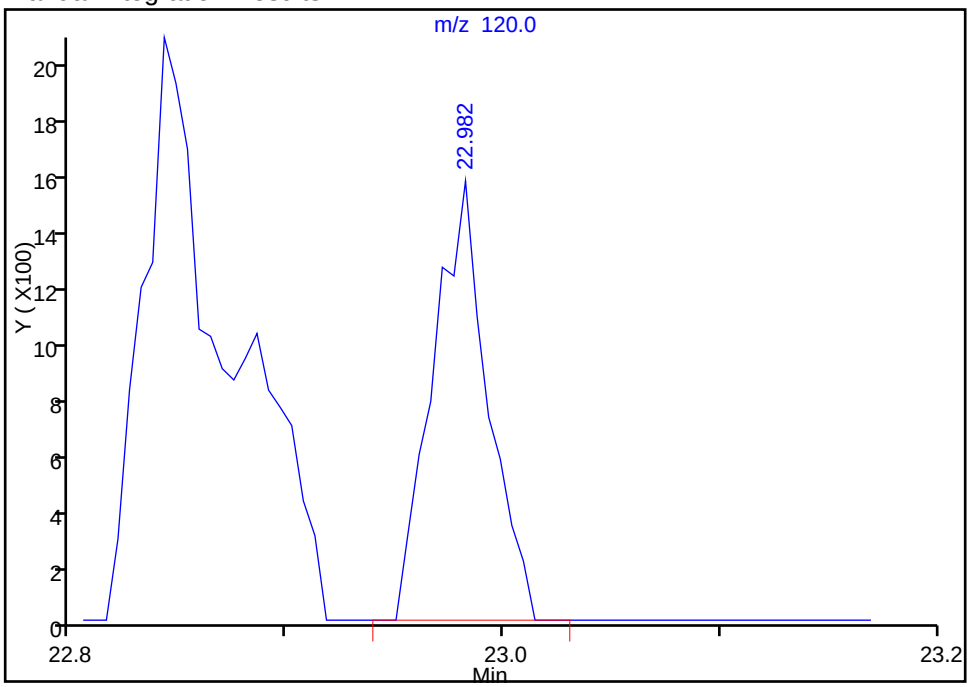
Processing Integration Results

RT: 22.89
Response: 1802
Amount: 0.028733



Manual Integration Results

RT: 22.98
Response: 2681
Amount: 0.021987



Reviewer: lyonsb, 01-Aug-2014 10:08:03
Audit Action: Manually Integrated
Audit Reason: Baseline Event

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

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Client Sample ID: 774IA1LA Lab Sample ID: 280-58003-8

Matrix: Air Lab File ID: 8696_013.d

Analysis Method: TO-15 Date Collected: 07/17/2014 08:40

Sample wt/vol: 141(mL) Date Analyzed: 07/24/2014 20:08

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.: 75271 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	0.59	J D	1.3	0.075
75-45-6	Freon 22	86.47	94	D	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	0.59	J D	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	3.2	D	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	7.6	J D	13	3.1
67-63-0	Isopropyl alcohol	60.10	4.6	J D	13	0.54
75-15-0	Carbon disulfide	76.14	0.50	U	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	0.096	J D	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	1.2	J D	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	0.20	U	0.50	0.063
109-99-9	Tetrahydrofuran	72.11	0.20	U	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	0.077	J D	0.50	0.053
540-84-1	2,2,4-Trimethylpentane	114.23	0.20	U	0.50	0.068
71-43-2	Benzene	78.11	0.074	J D M	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.: 280-58003-1

SDG No.:

Client Sample ID: 774IA1LA Lab Sample ID: 280-58003-8

Matrix: Air Lab File ID: 8696_013.d

Analysis Method: TO-15 Date Collected: 07/17/2014 08:40

Sample wt/vol: 141(mL) Date Analyzed: 07/24/2014 20:08

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.: 75271 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	0.20	U	0.50	0.060
80-62-6	Methyl methacrylate	100.12	0.20	U	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	0.20	U	1.3	0.068
108-88-3	Toluene	92.14	0.17	J D	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	0.075	U	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	0.052	J D	0.50	0.033
179601-23-1	m,p-Xylene	106.17	0.10	J D	1.3	0.058
95-47-6	Xylene, o-	106.17	0.075	U	0.50	0.040
1330-20-7	Xylene (total)	106.17	0.10	J	0.50	0.085
100-42-5	Styrene	104.15	0.10	J D	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	0.075	U	0.50	0.045
108-67-8	1,3,5-Trimethylbenzene	120.20	0.075	U	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	0.040	J D	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	0.20	U	0.50	0.20
541-73-1	1,3-Dichlorobenzene	147.00	0.075	U	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.: 280-58003-1

SDG No.:

Client Sample ID: 774IA1LA Lab Sample ID: 280-58003-8

Matrix: Air Lab File ID: 8696_013.d

Analysis Method: TO-15 Date Collected: 07/17/2014 08:40

Sample wt/vol: 141(mL) Date Analyzed: 07/24/2014 20:08

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.: 75271 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.: 280-58003-1

SDG No.:

Client Sample ID: 774IA1LA Lab Sample ID: 280-58003-8

Matrix: Air Lab File ID: 8696_013.d

Analysis Method: TO-15 Date Collected: 07/17/2014 08:40

Sample wt/vol: 141(mL) Date Analyzed: 07/24/2014 20:08

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.: 75271 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	2.9	J D	6.2	0.37
75-45-6	Freon 22	86.47	330	D	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	1.2	J D	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	18	D	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	18	J D	30	7.4
67-63-0	Isopropyl alcohol	60.10	11	J D	31	1.3
75-15-0	Carbon disulfide	76.14	1.6	U	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	0.34	J D	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	3.5	J D	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	0.98	U	2.4	0.31
109-99-9	Tetrahydrofuran	72.11	0.59	U	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	0.49	J D	3.1	0.33
540-84-1	2,2,4-Trimethylpentane	114.23	0.93	U	2.3	0.32
71-43-2	Benzene	78.11	0.24	J D M	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.: 280-58003-1

SDG No.:

Client Sample ID: 774IA1LA Lab Sample ID: 280-58003-8

Matrix: Air Lab File ID: 8696_013.d

Analysis Method: TO-15 Date Collected: 07/17/2014 08:40

Sample wt/vol: 141(mL) Date Analyzed: 07/24/2014 20:08

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.: 75271 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	1.1	U	2.7	0.32
80-62-6	Methyl methacrylate	100.12	0.82	U	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	0.82	U	5.1	0.28
108-88-3	Toluene	92.14	0.65	J D	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	0.51	U	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	0.23	J D	2.2	0.14
179601-23-1	m,p-Xylene	106.17	0.45	J D	5.4	0.25
95-47-6	Xylene, o-	106.17	0.33	U	2.2	0.17
1330-20-7	Xylene (total)	106.17	0.43	J	2.2	0.37
100-42-5	Styrene	104.15	0.43	J D	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	0.37	U	2.5	0.22
108-67-8	1,3,5-Trimethylbenzene	120.20	0.37	U	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	0.20	J D	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	1.1	U	2.7	1.1
541-73-1	1,3-Dichlorobenzene	147.00	0.45	U	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.: 280-58003-1

SDG No.:

Client Sample ID: 774IA1LA Lab Sample ID: 280-58003-8

Matrix: Air Lab File ID: 8696_013.d

Analysis Method: TO-15 Date Collected: 07/17/2014 08:40

Sample wt/vol: 141(mL) Date Analyzed: 07/24/2014 20:08

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.: 75271 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\20140724-8696.b\8696_013.d
Lims ID: 280-58003-A-8 Lab Sample ID: 200-58003-8
Client ID: 774IA1LA
Sample Type: Client
Inject. Date: 24-Jul-2014 20:08:30 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 200.000 mL Dil. Factor: 2.5000
Sample Info: 200-0008696-013
Misc. Info.: 280-58003-a-8
Operator ID: bl Instrument ID: CHW.i

Method: \\BTV-LIMS1\ChromData\CHW.i\20140724-8696.b\TO15_LLNJ_TO3_W_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 25-Jul-2014 09:24:40 Calib Date: 15-Jun-2014 00:33:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20140613-8058.b\8058_017.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK009

First Level Reviewer: lyonsb Date: 25-Jul-2014 09:22:58

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	4.488	4.483	0.005	97	30178	0.2355	
6 Chlorodifluoromethane	51	4.558	4.552	0.006	97	2407159	37.6	
7 1,2-Dichloro-1,1,2,2-tetra	85		4.836				ND	
8 Chloromethane	50	5.039	5.029	0.010	98	8912	0.2351	
9 Butane	43		5.291				ND	
10 Vinyl chloride	62		5.350				ND	
11 Butadiene	54		5.446				ND	
12 Bromomethane	94		6.312				ND	
14 Chloroethane	64		6.596				ND	
16 Vinyl bromide	106		7.077				ND	
17 Trichlorofluoromethane	101	7.201	7.190	0.011	98	179471	1.27	
23 1,1,2-Trichloro-1,2,2-trif	101		8.436				ND	
24 1,1-Dichloroethene	96		8.511				ND	
25 Acetone	43	8.757	8.741	0.016	90	204096	3.05	
26 Carbon disulfide	76		8.998				ND	
27 Isopropyl alcohol	45	9.052	9.025	0.027	98	103436	1.83	
29 3-Chloro-1-propene	41		9.399				ND	
31 Methylene Chloride	49		9.726				ND	
32 2-Methyl-2-propanol	59		9.891				ND	
33 Methyl tert-butyl ether	73		10.148				ND	
S 41 1,2-Dichloroethene, Total	61		10.200				0	
34 trans-1,2-Dichloroethene	61		10.223				ND	
36 Hexane	57	10.646	10.635	0.011	59	2957	0.0383	
37 1,1-Dichloroethane	63		11.186				ND	
39 cis-1,2-Dichloroethene	96		12.363				ND	
40 2-Butanone (MEK)	72	12.390	12.374	0.016	97	13291	0.4708	
44 Tetrahydrofuran	42		12.839				ND	
* 43 Chlorobromomethane	128	12.845	12.844	0.001	77	438178	10.0	
45 Chloroform	83		12.957				ND	
46 Cyclohexane	84		13.251				ND	
47 1,1,1-Trichloroethane	97		13.262				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
48 Carbon tetrachloride	117	13.524	13.519	0.006	78	3820	0.0310	
51 Isooctane	57		13.909				ND	
50 Benzene	78	13.979	13.968	0.011	29	4921	0.0295	M
52 1,2-Dichloroethane	62		14.128				ND	
53 n-Heptane	43		14.262				ND	
* 54 1,4-Difluorobenzene	114	14.733	14.728	0.005	92	2129419	10.0	
56 Trichloroethene	95		15.193				ND	
58 1,2-Dichloropropane	63		15.712				ND	
59 Methyl methacrylate	69		15.797				ND	
60 1,4-Dioxane	88		15.888				ND	
62 Dichlorobromomethane	83		16.209				ND	
64 cis-1,3-Dichloropropene	75		17.065				ND	
65 4-Methyl-2-pentanone (MIBK	43		17.295				ND	
66 Toluene	92	17.643	17.638	0.005	91	9340	0.0688	
70 trans-1,3-Dichloropropene	75		18.173				ND	
71 1,1,2-Trichloroethane	83		18.542				ND	
72 Tetrachloroethene	166		18.681				ND	
73 2-Hexanone	43		18.922				ND	
74 Chlorodibromomethane	129		19.296				ND	
75 Ethylene Dibromide	107		19.580				ND	
S 82 Xylenes, Total	106				0		0.0564	
* 76 Chlorobenzene-d5	117	20.425	20.425	0.000	81	1910175	10.0	
77 Chlorobenzene	112		20.484				ND	
78 Ethylbenzene	91	20.591	20.596	-0.005	94	5661	0.0210	
80 m-Xylene & p-Xylene	106	20.800	20.810	-0.010	96	4819	0.0418	
83 o-Xylene	106	21.522	21.527	-0.005	61	1719	0.0146	
84 Styrene	104	21.570	21.564	0.006	97	6937	0.0406	
85 Bromoform	173		21.944				ND	
86 Isopropylbenzene	105		22.089				ND	
$ 87 4-Bromofluorobenzene	95	22.426	22.426	0.000	98	1173416	NC	
88 1,1,2,2-Tetrachloroethane	83		22.650				ND	
90 N-Propylbenzene	91		22.725				ND	
91 4-Ethyltoluene	105		22.891				ND	
92 2-Chlorotoluene	91		22.929				ND	
94 1,3,5-Trimethylbenzene	105		22.982				ND	
96 tert-Butylbenzene	119		23.458				ND	
97 1,2,4-Trimethylbenzene	105	23.555	23.555	0.000	93	4396	0.0160	
98 sec-Butylbenzene	105		23.790				ND	
99 4-Isopropyltoluene	119		23.993				ND	
100 1,3-Dichlorobenzene	146		24.063				ND	
101 1,4-Dichlorobenzene	146		24.207				ND	
102 Benzyl chloride	91		24.416				ND	
103 n-Butylbenzene	91		24.630				ND	
105 1,2-Dichlorobenzene	146		24.812				ND	
107 1,2,4-Trichlorobenzene	180		27.695				ND	
108 Hexachlorobutadiene	225		27.899				ND	
109 Naphthalene	128		28.278				ND	

QC Flag Legend

Processing Flags
NC - Not Calibrated
ND - Not Detected or Marked ND

Review Flags
M - Manually Integrated

Reagents:

ATTO15WISs_00003 Amount Added: 20.00 Units: mL Run Reagent

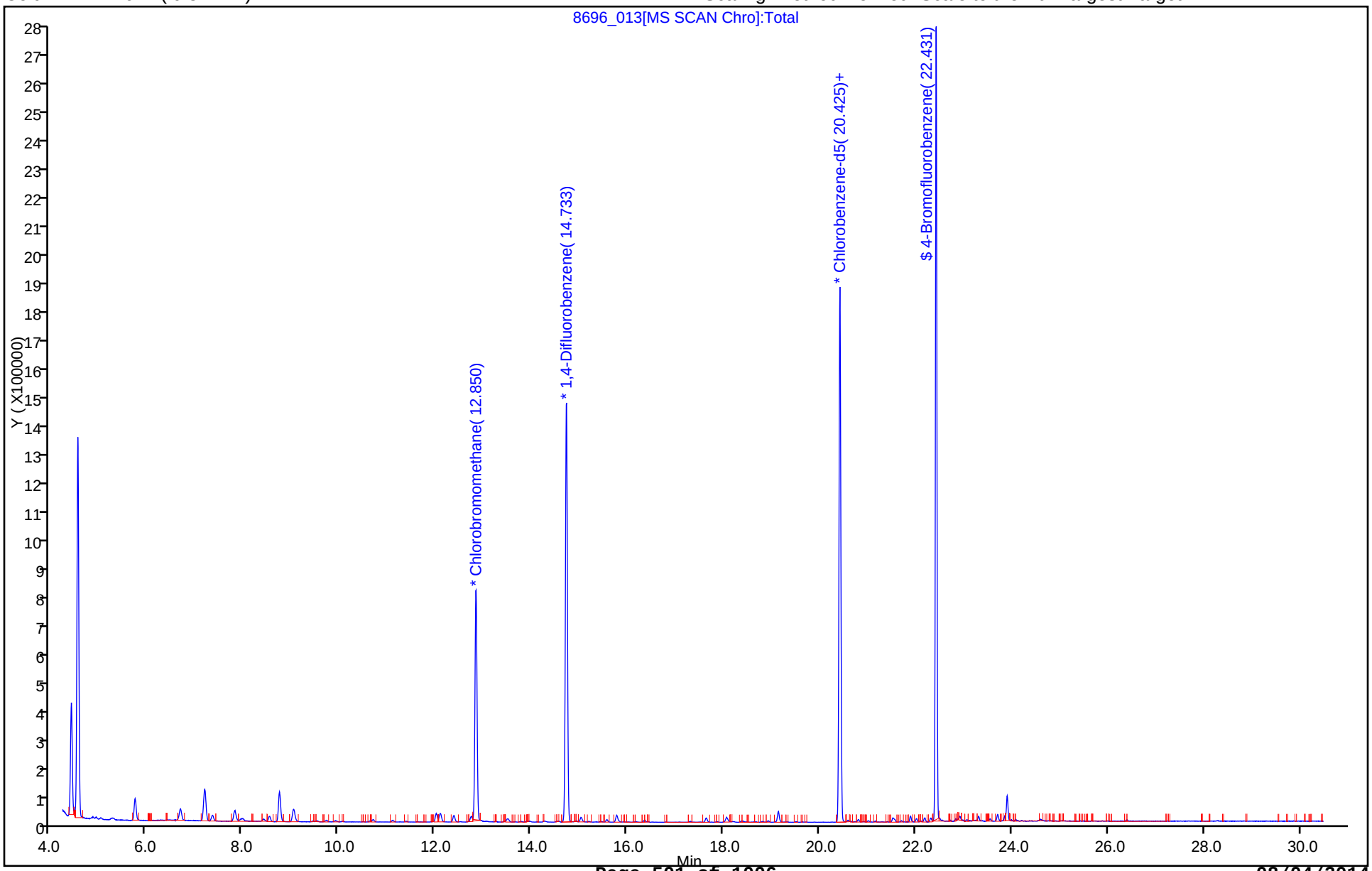
Report Date: 25-Jul-2014 09:24:42 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140724-8696.b\8696_013.d

Injection Date:	24-Jul-2014 20:08:30	Instrument ID:	CHW.i	Operator ID:	bl
Lims ID:	280-58003-A-8	Lab Sample ID:	200-58003-8	Worklist Smp#:	13
Client ID:	774IA1LA				
Purge Vol:	200.000 mL	Dil. Factor:	2.5000	ALS Bottle#:	12
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

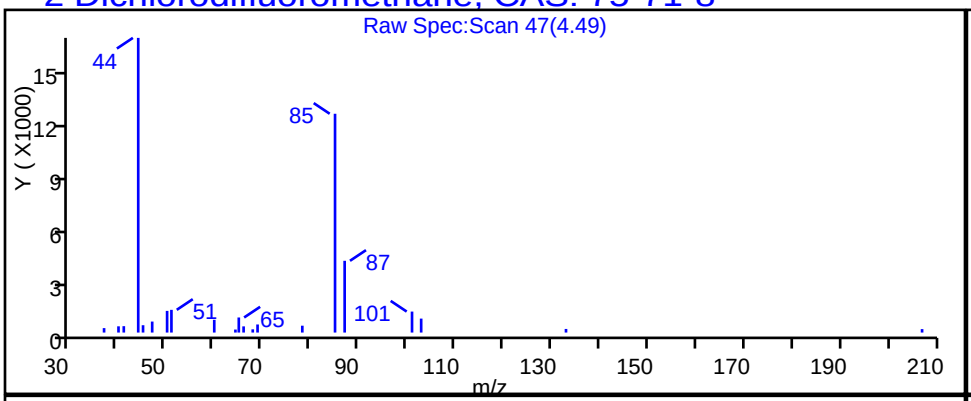


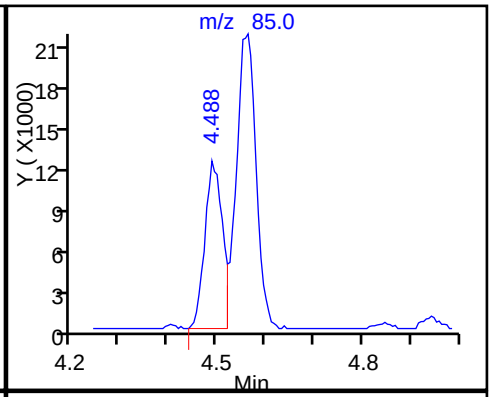
Report Date: 25-Jul-2014 09:24:42 Chrom Revision: 2.2 24-Jun-2014 07:21:42

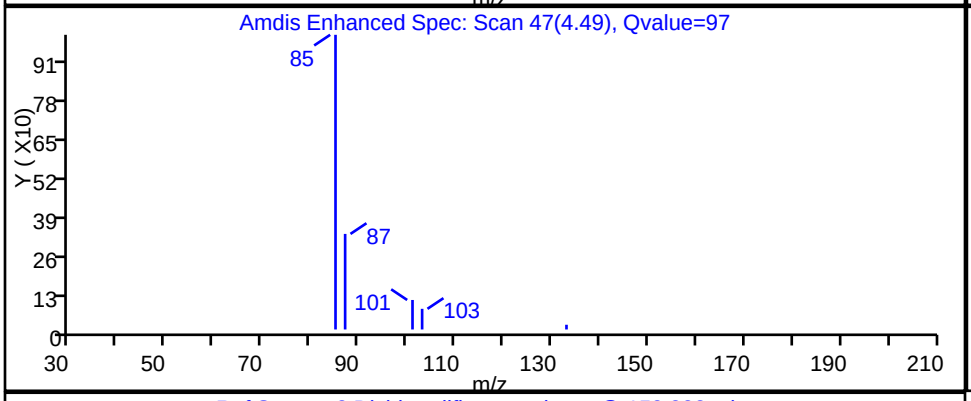
TestAmerica Burlington

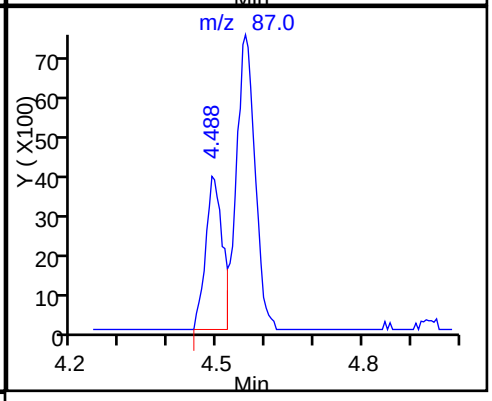
Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140724-8696.b\8696_013.d				
Injection Date:	24-Jul-2014 20:08:30	Instrument ID:	CHW.i		
Lims ID:	280-58003-A-8	Lab Sample ID:	200-58003-8		
Client ID:	774IA1LA				
Operator ID:	bl	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

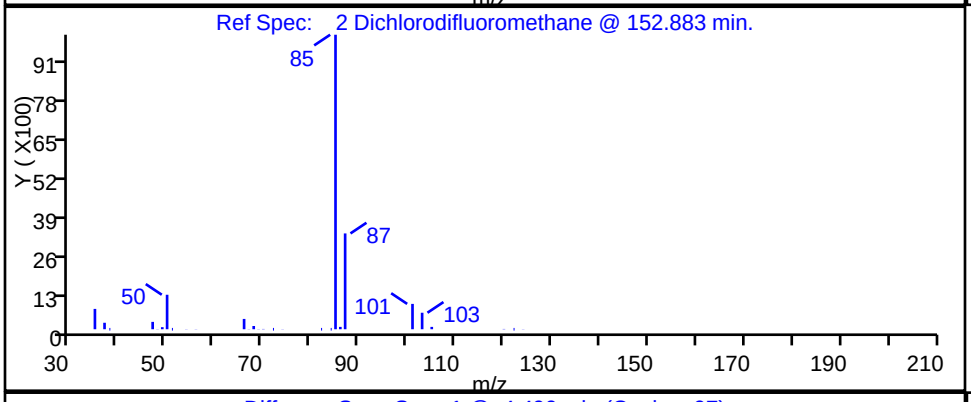
2 Dichlorodifluoromethane, CAS: 75-71-8

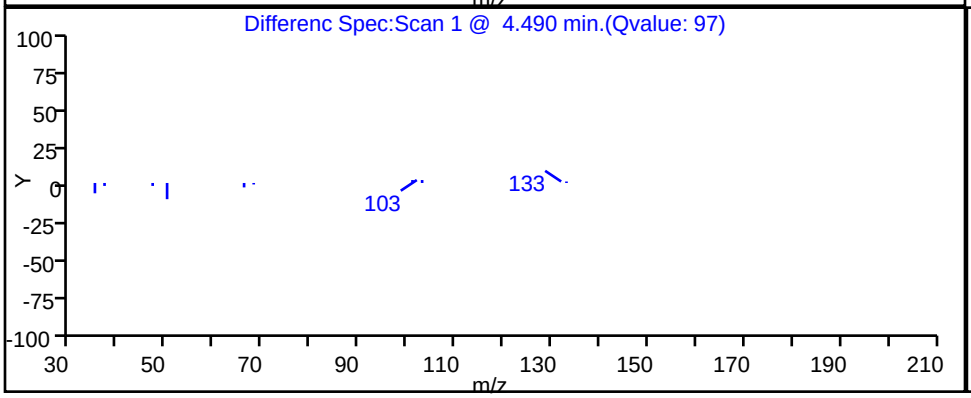


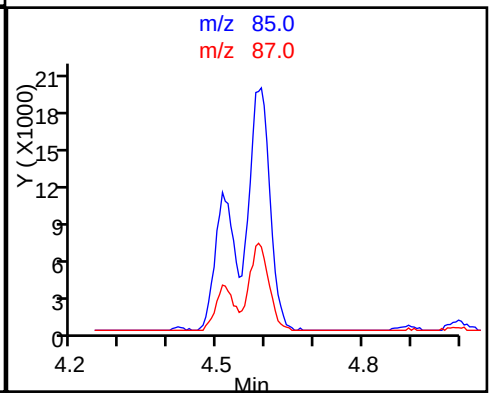












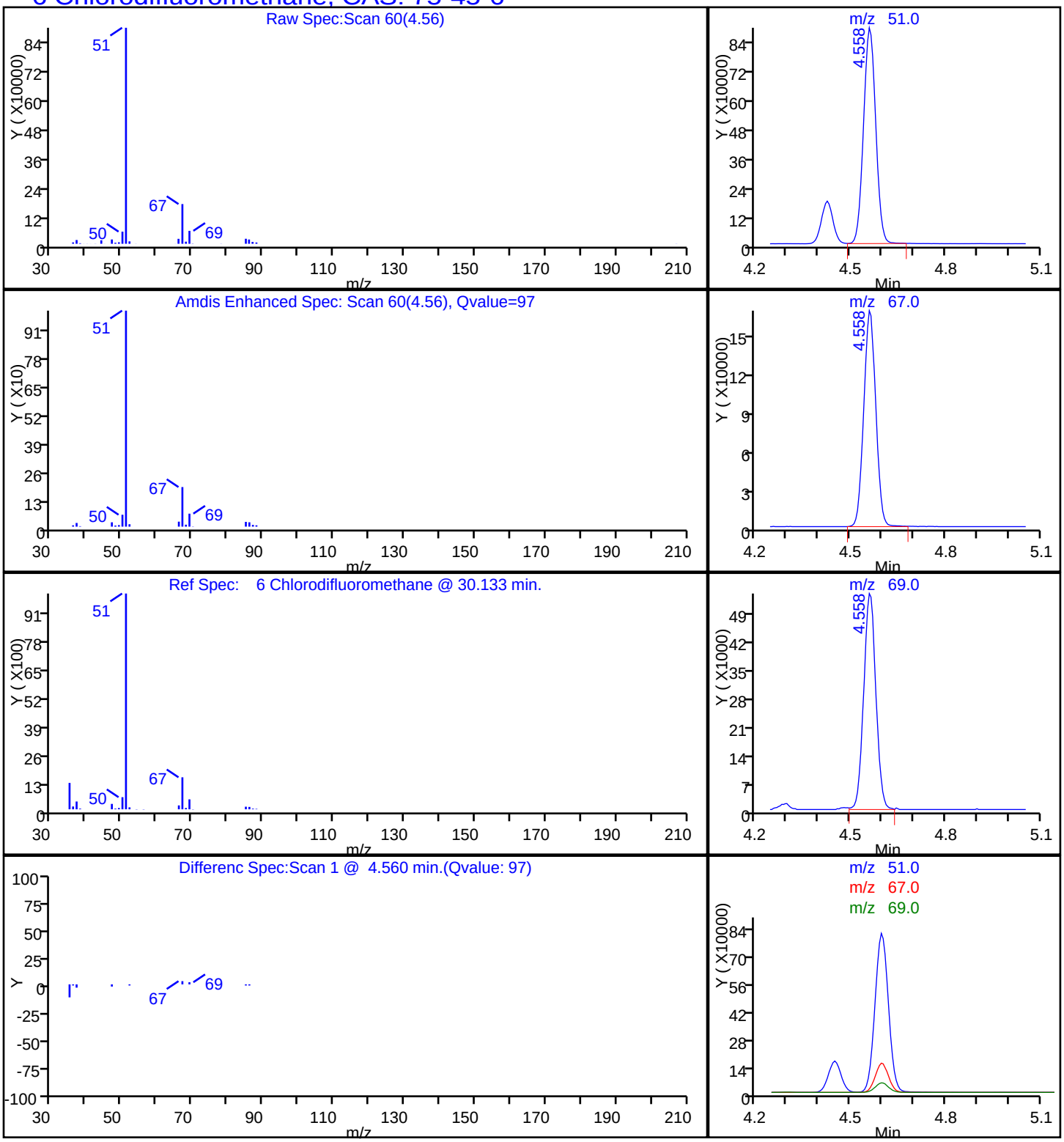
Report Date: 25-Jul-2014 09:24:42 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140724-8696.b\8696_013.d

Injection Date:	24-Jul-2014 20:08:30	Instrument ID:	CHW.i		
Lims ID:	280-58003-A-8	Lab Sample ID:	200-58003-8		
Client ID:	774IA1LA				
Operator ID:	bl	ALS Bottle#:	12	Worklist Smp#:	13
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		

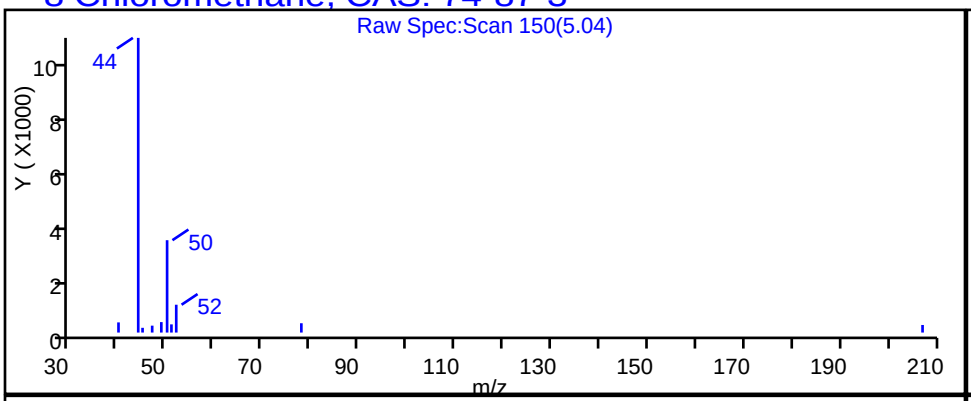
6 Chlorodifluoromethane, CAS: 75-45-6

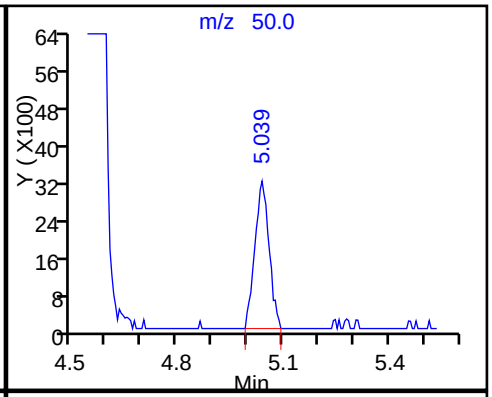


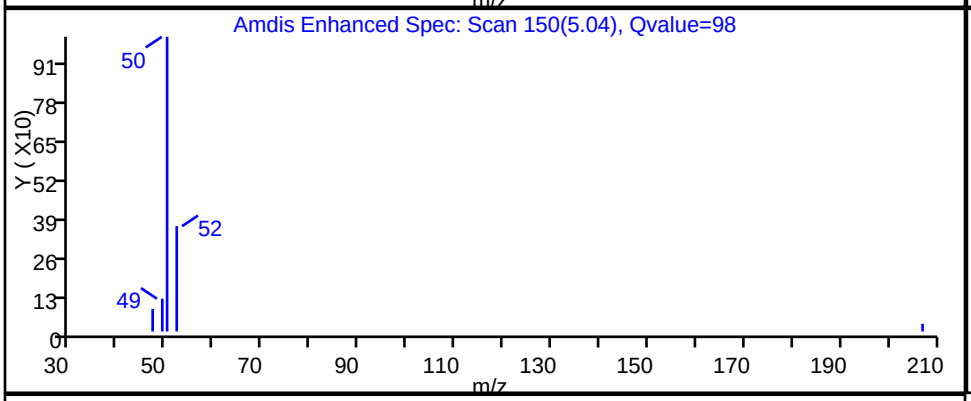
TestAmerica Burlington

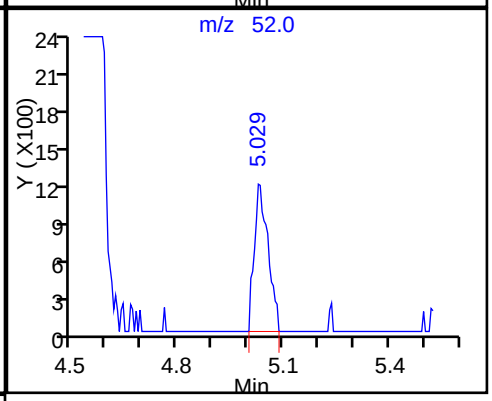
Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140724-8696.b\8696_013.d				
Injection Date:	24-Jul-2014 20:08:30	Instrument ID:	CHW.i		
Lims ID:	280-58003-A-8	Lab Sample ID:	200-58003-8		
Client ID:	774IA1LA				
Operator ID:	bl	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

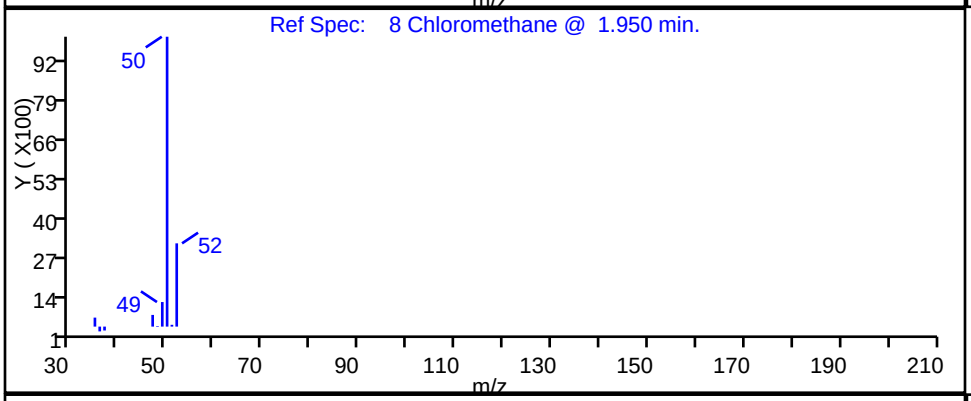
8 Chloromethane, CAS: 74-87-3

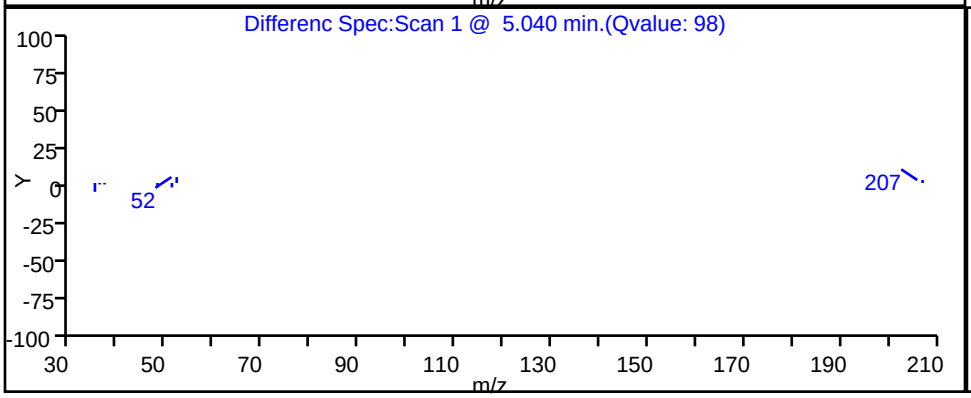


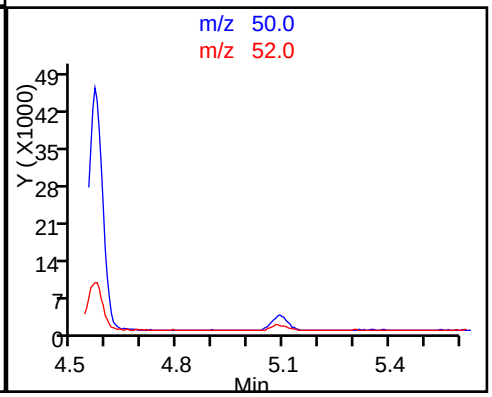












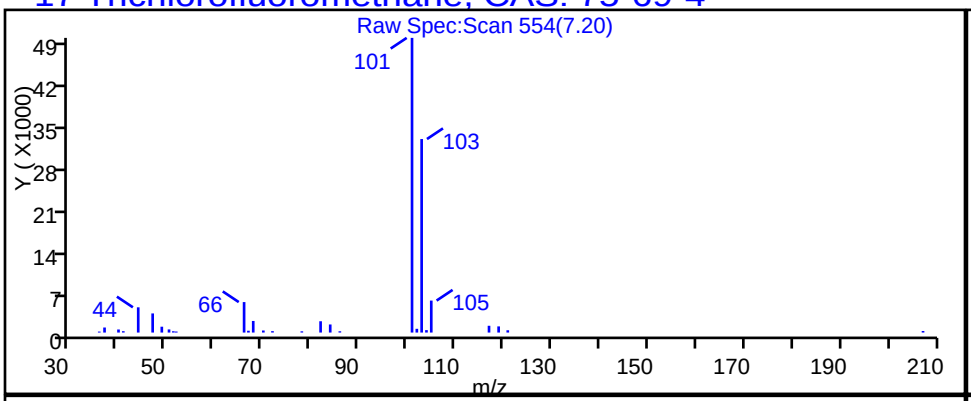
Report Date: 25-Jul-2014 09:24:42 Chrom Revision: 2.2 24-Jun-2014 07:21:42

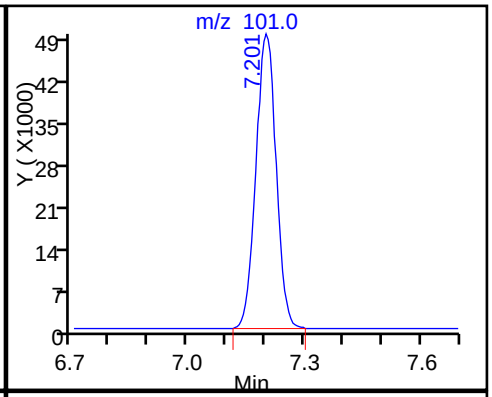
TestAmerica Burlington

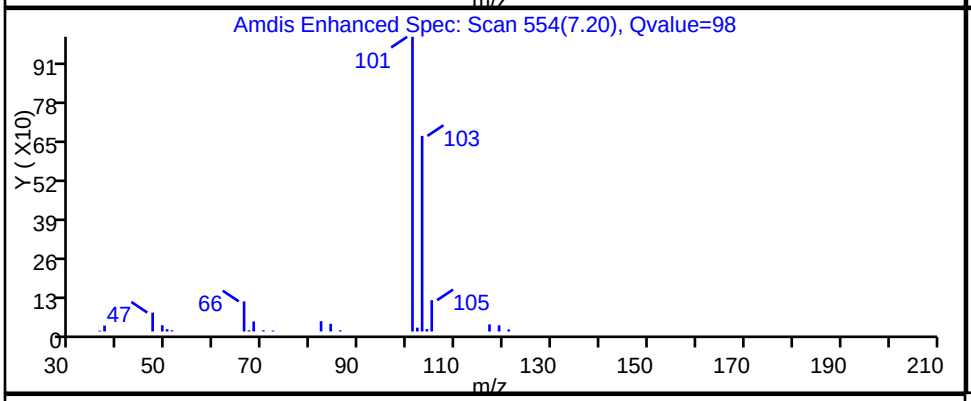
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140724-8696.b\8696_013.d

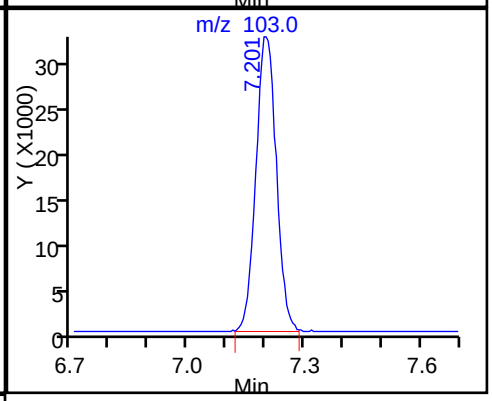
Injection Date:	24-Jul-2014 20:08:30	Instrument ID:	CHW.i		
Lims ID:	280-58003-A-8	Lab Sample ID:	200-58003-8		
Client ID:	774IA1LA				
Operator ID:	bl	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

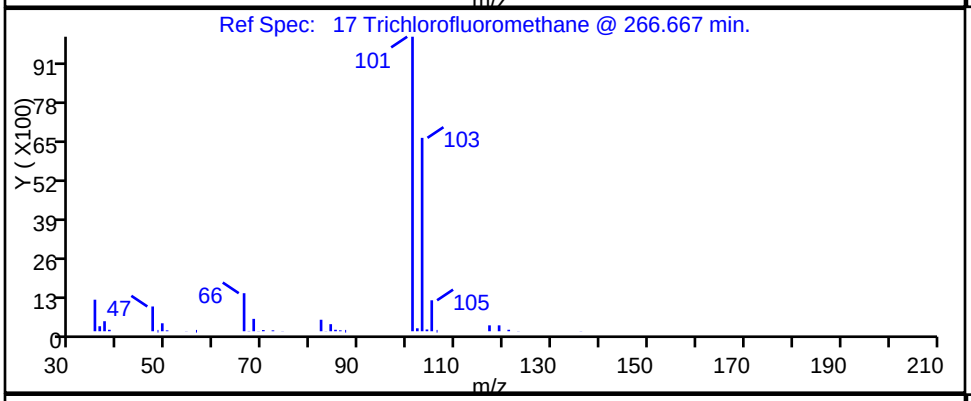
17 Trichlorofluoromethane, CAS: 75-69-4

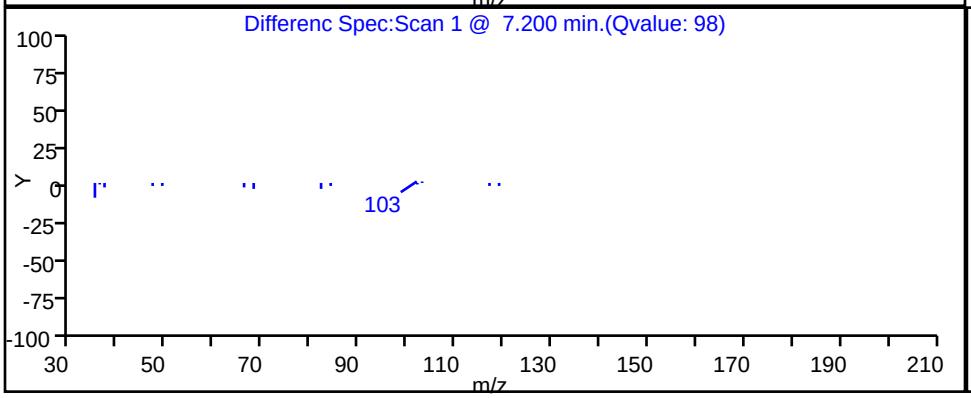


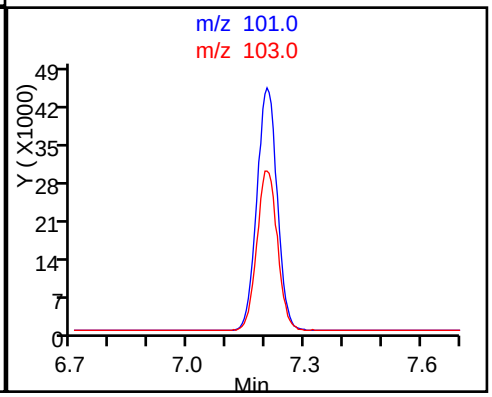












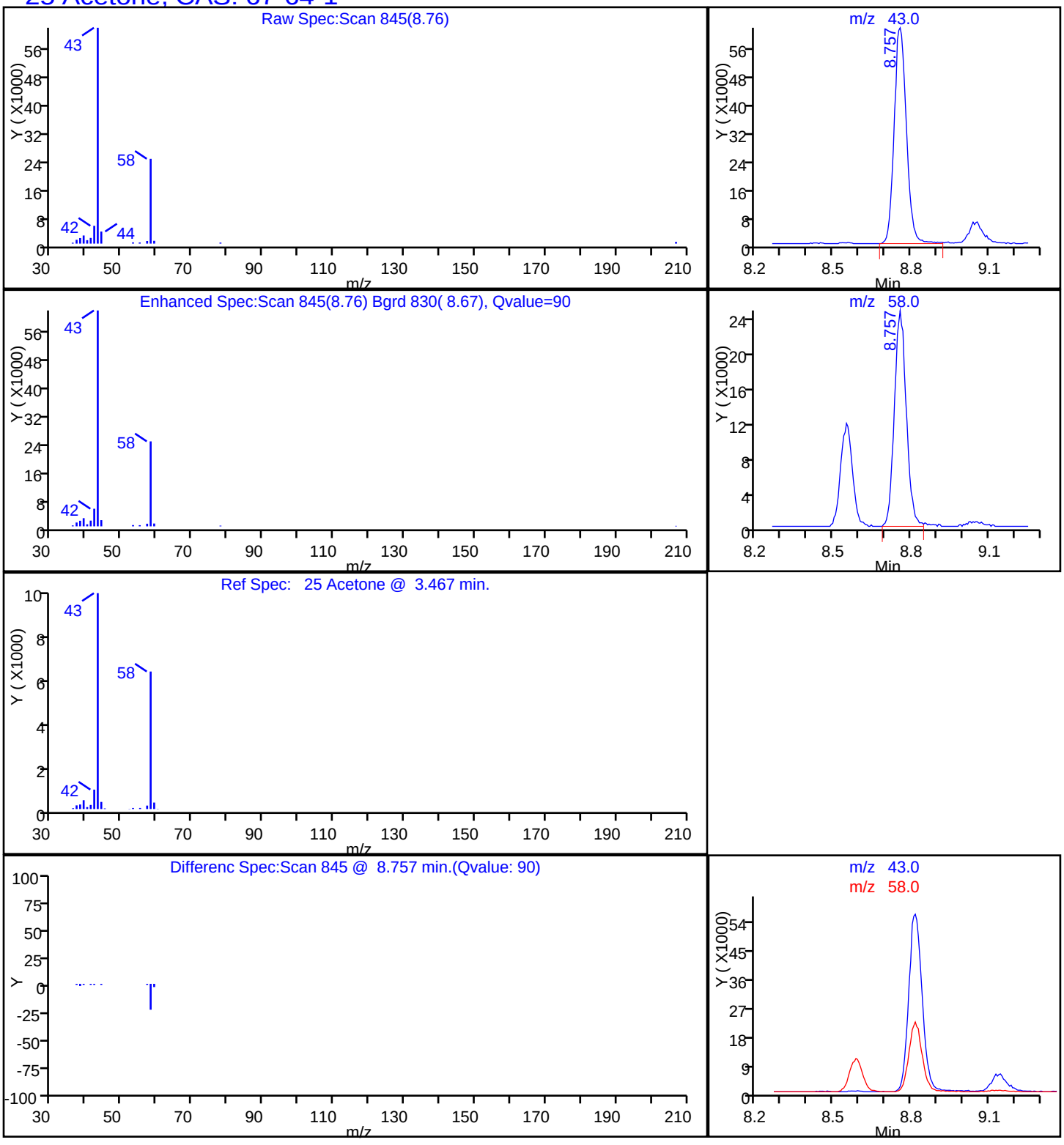
Report Date: 25-Jul-2014 09:24:42 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140724-8696.b\8696_013.d

Injection Date:	24-Jul-2014 20:08:30	Instrument ID:	CHW.i		
Lims ID:	280-58003-A-8	Lab Sample ID:	200-58003-8		
Client ID:	774IA1LA				
Operator ID:	bl	ALS Bottle#:	12	Worklist Smp#:	13
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



Report Date: 25-Jul-2014 09:24:42 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140724-8696.b\8696_013.d

Injection Date: 24-Jul-2014 20:08:30 Instrument ID: CHW.i

Lims ID: 280-58003-A-8 Lab Sample ID: 200-58003-8

Client ID: 774IA1LA

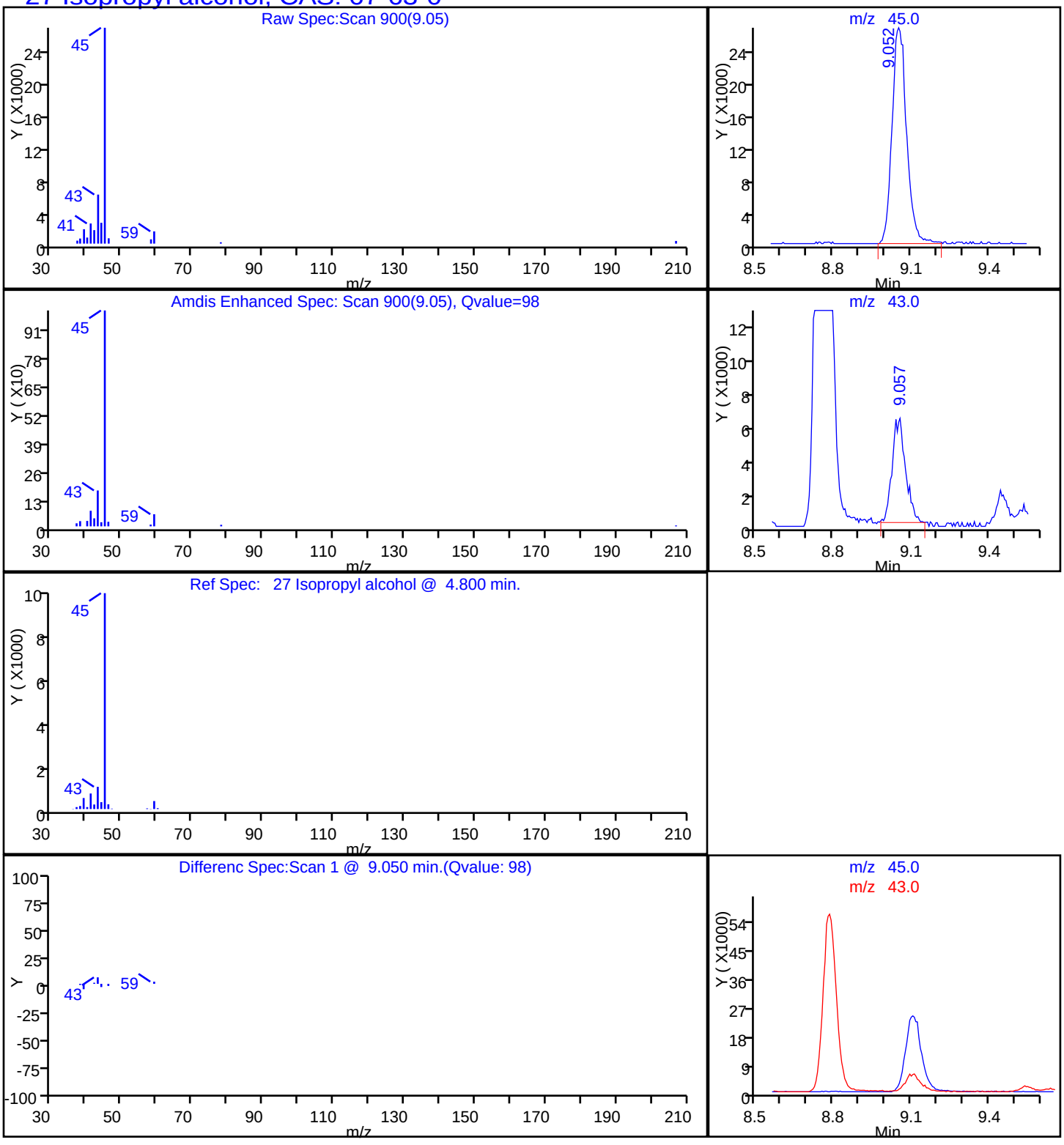
Operator ID: bl ALS Bottle#: 12 Worklist Smp#: 13

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



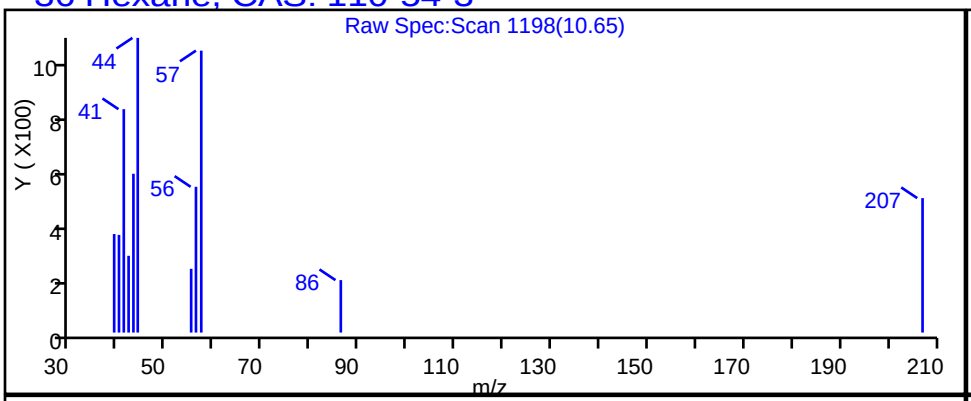
Report Date: 25-Jul-2014 09:24:42 Chrom Revision: 2.2 24-Jun-2014 07:21:42

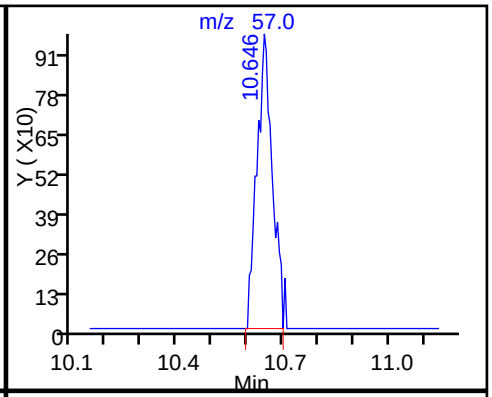
TestAmerica Burlington

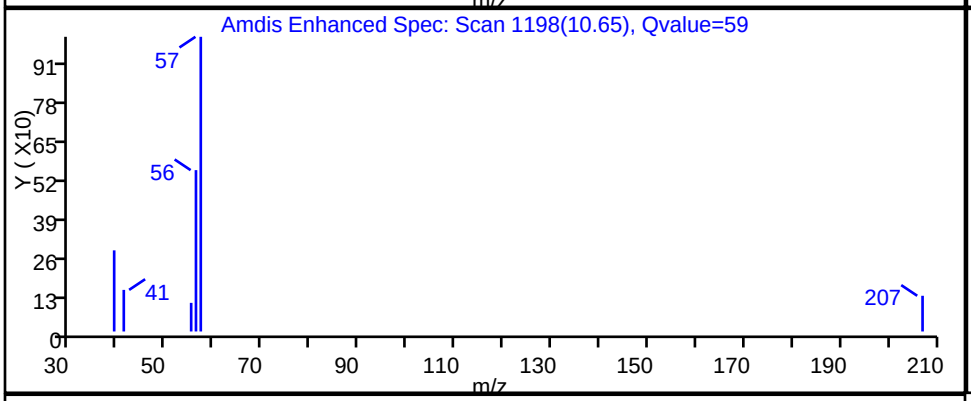
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140724-8696.b\8696_013.d

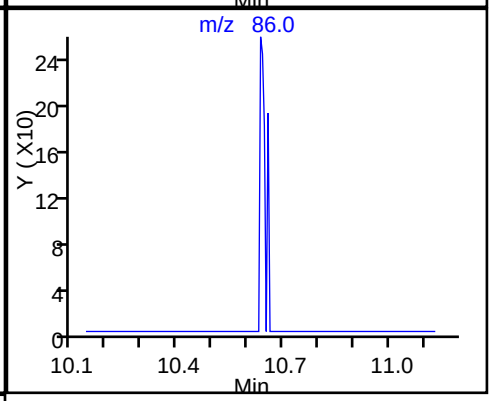
Injection Date:	24-Jul-2014 20:08:30	Instrument ID:	CHW.i		
Lims ID:	280-58003-A-8	Lab Sample ID:	200-58003-8		
Client ID:	774IA1LA				
Operator ID:	bl	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

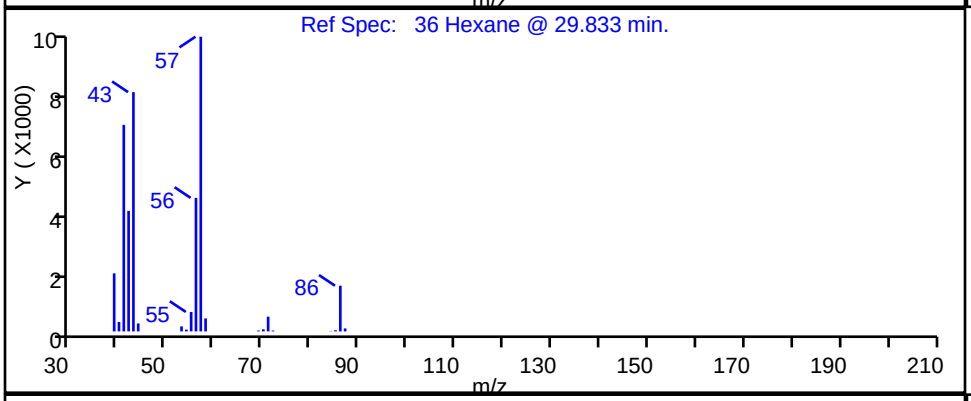
36 Hexane, CAS: 110-54-3

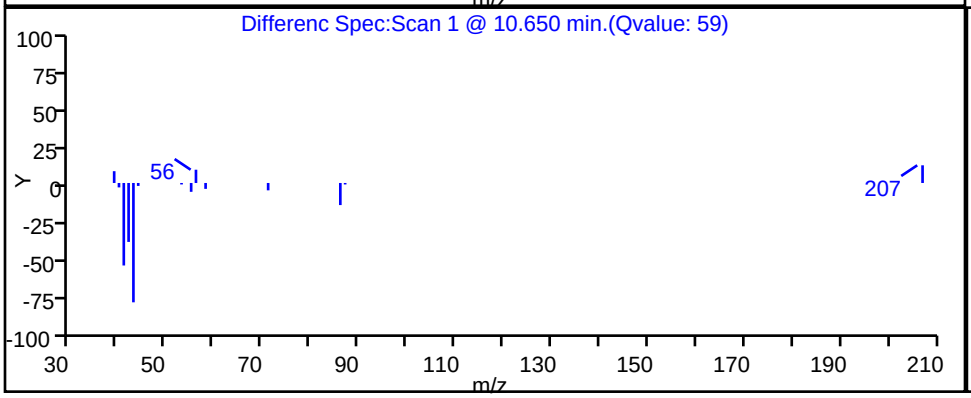


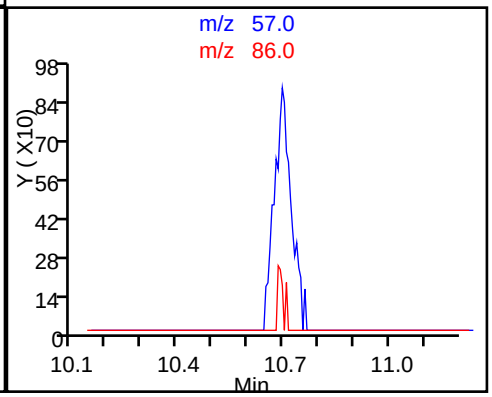








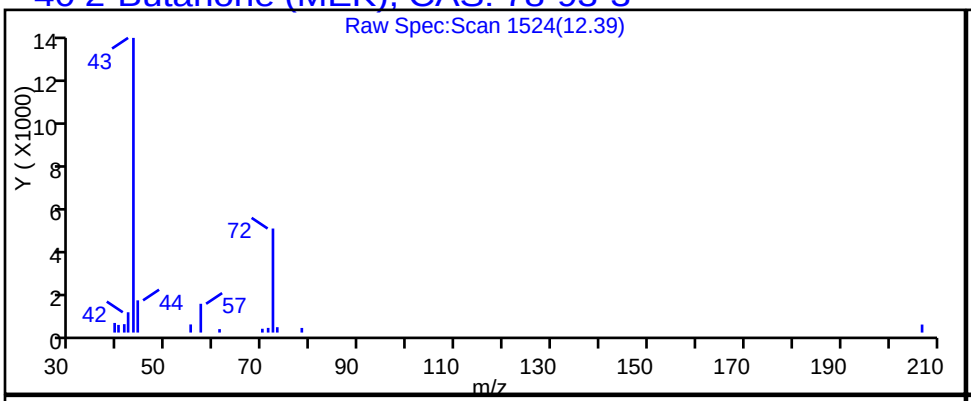


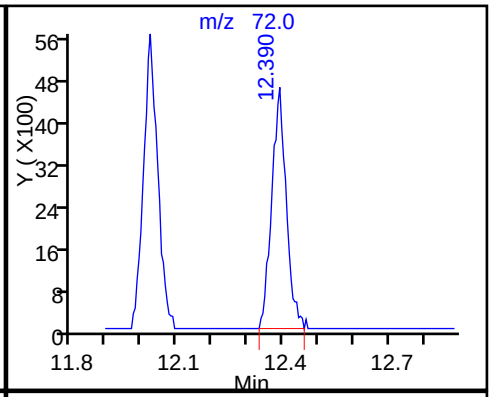


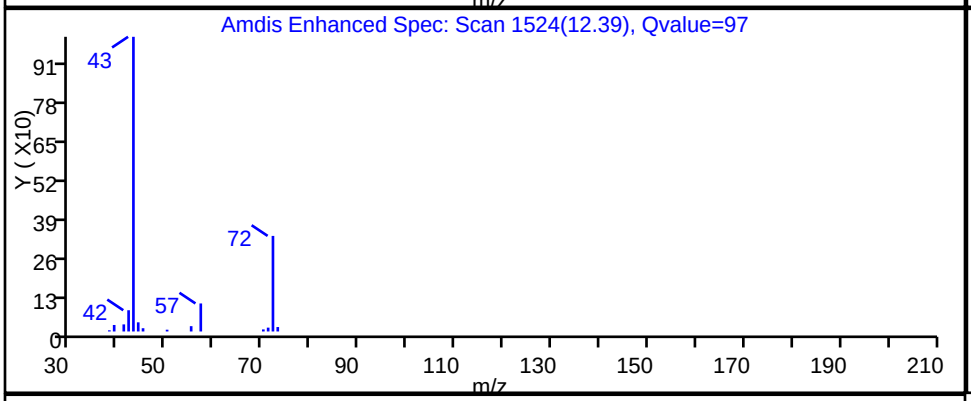
TestAmerica Burlington

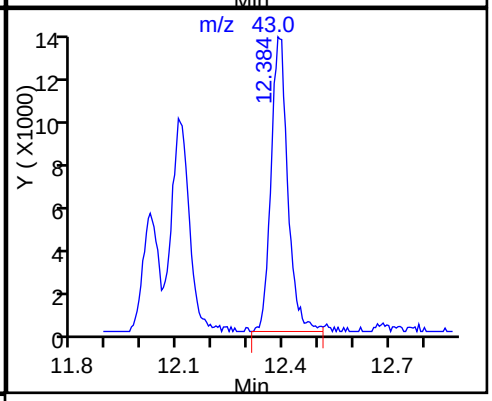
Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140724-8696.b\8696_013.d				
Injection Date:	24-Jul-2014 20:08:30	Instrument ID:	CHW.i		
Lims ID:	280-58003-A-8	Lab Sample ID:	200-58003-8		
Client ID:	774IA1LA				
Operator ID:	bl	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

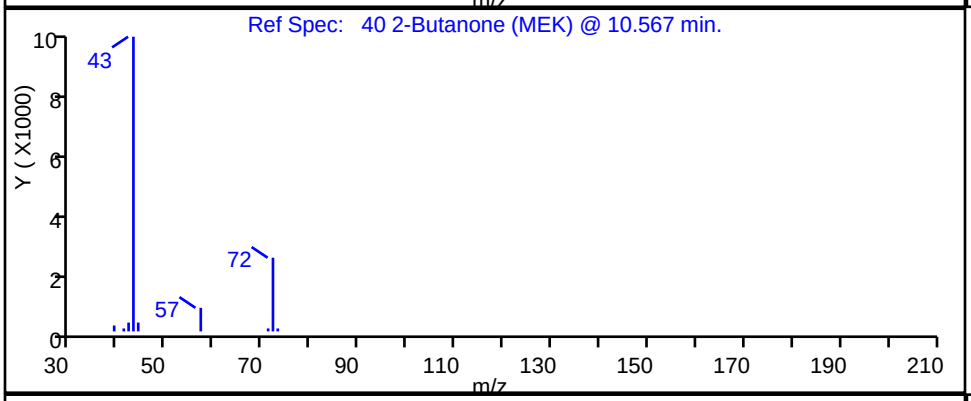
40 2-Butanone (MEK), CAS: 78-93-3

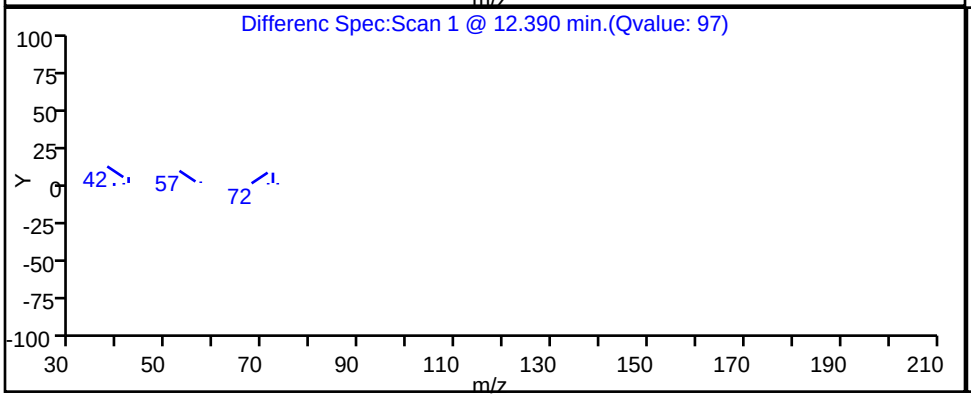


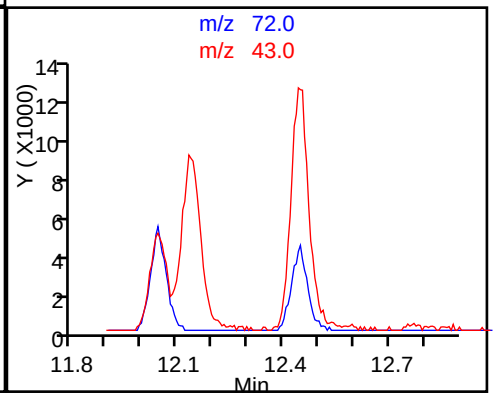












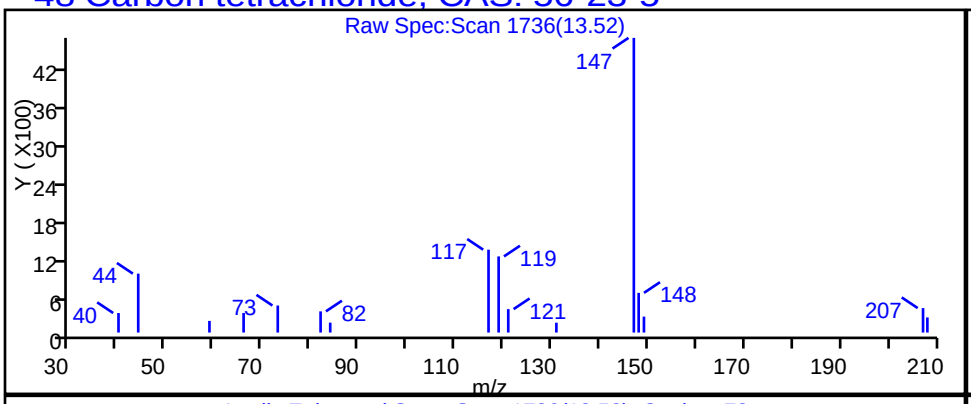
Report Date: 25-Jul-2014 09:24:42 Chrom Revision: 2.2 24-Jun-2014 07:21:42

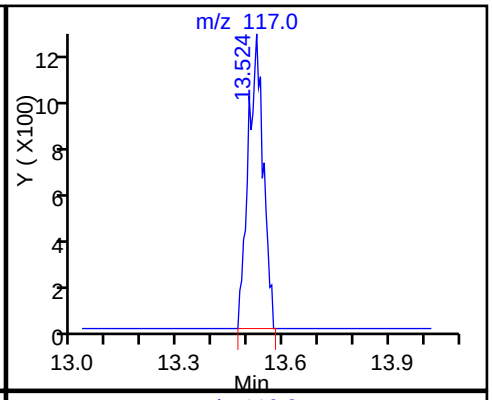
TestAmerica Burlington

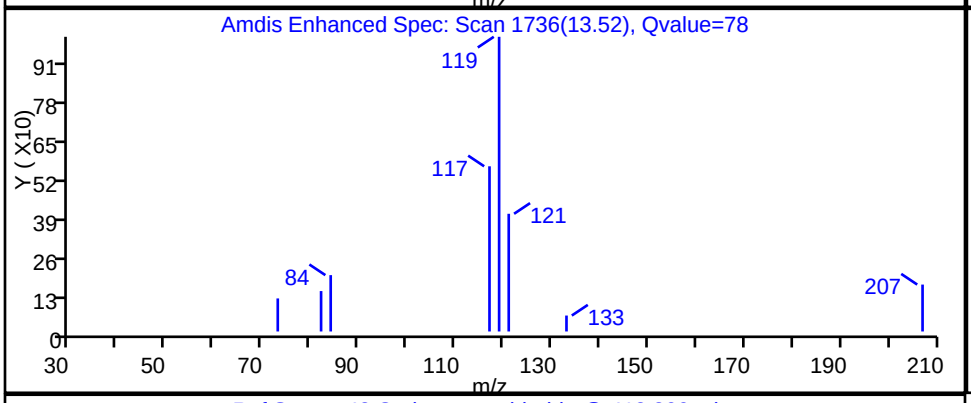
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140724-8696.b\8696_013.d

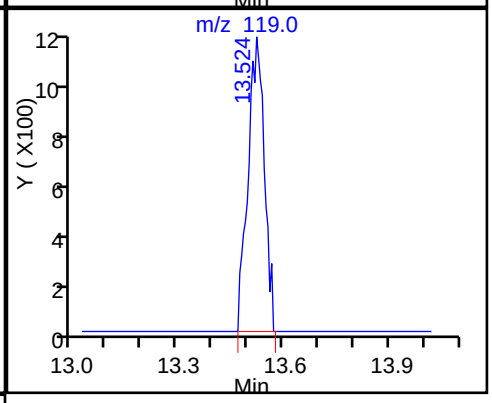
Injection Date:	24-Jul-2014 20:08:30	Instrument ID:	CHW.i		
Lims ID:	280-58003-A-8	Lab Sample ID:	200-58003-8		
Client ID:	774IA1LA				
Operator ID:	bl	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

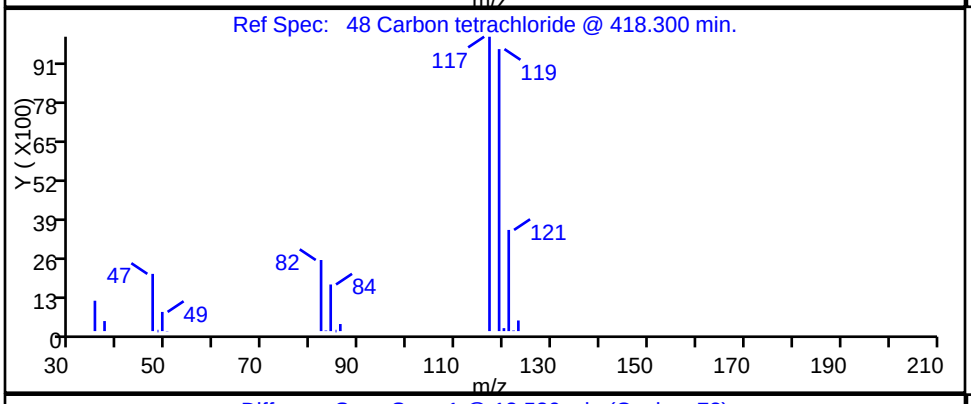
48 Carbon tetrachloride, CAS: 56-23-5

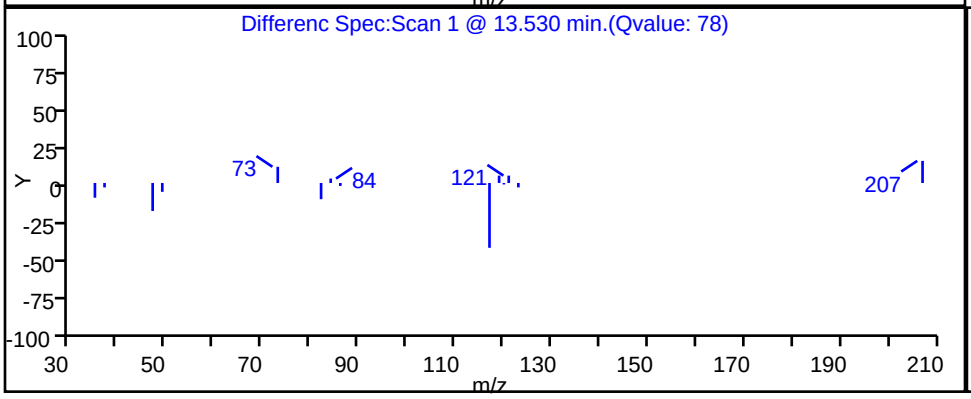


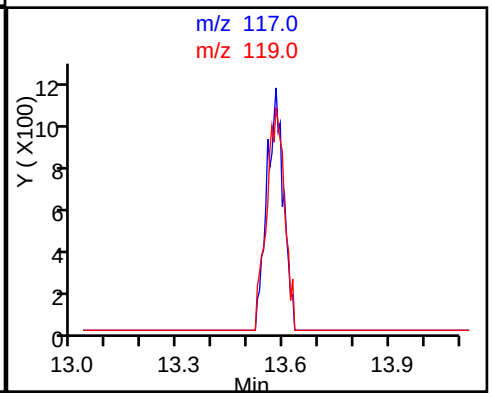












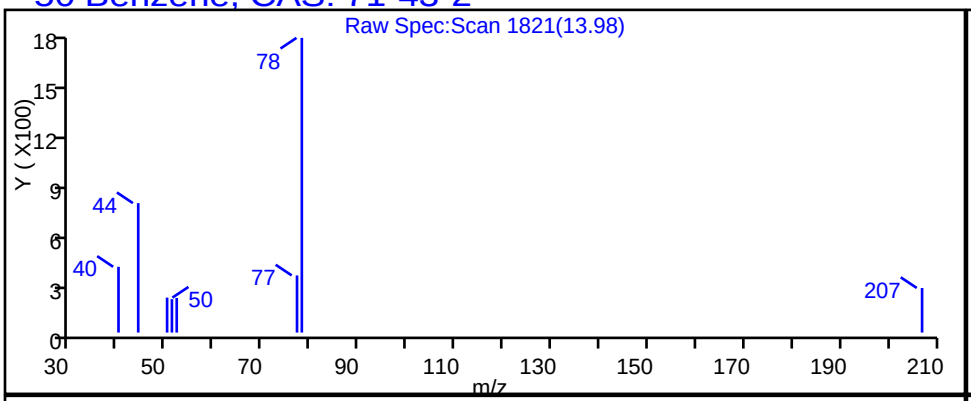
Report Date: 25-Jul-2014 09:24:43 Chrom Revision: 2.2 24-Jun-2014 07:21:42

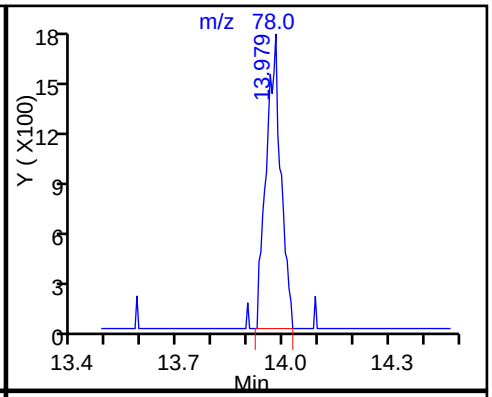
TestAmerica Burlington

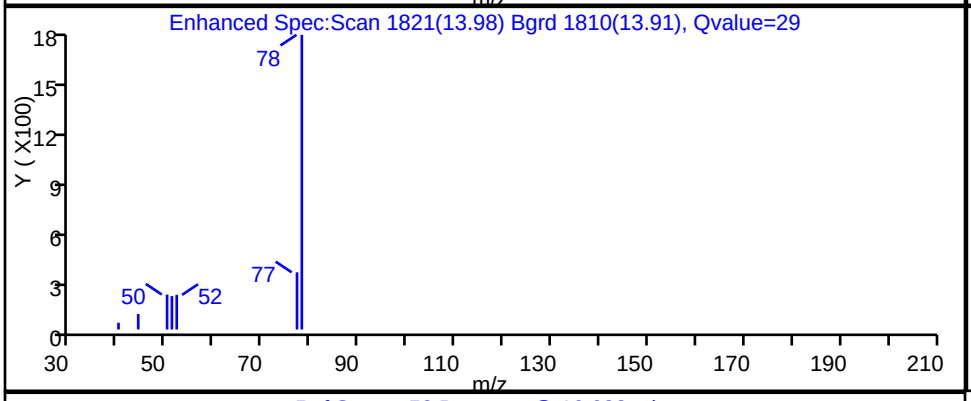
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140724-8696.b\8696_013.d

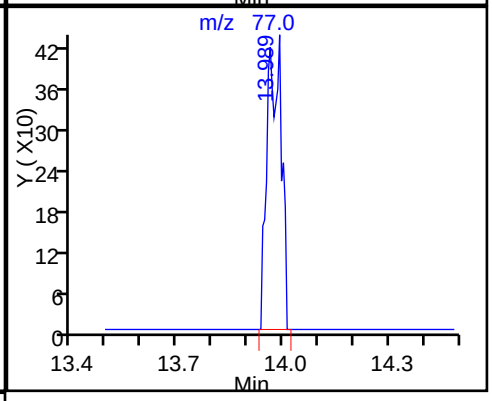
Injection Date:	24-Jul-2014 20:08:30	Instrument ID:	CHW.i		
Lims ID:	280-58003-A-8	Lab Sample ID:	200-58003-8		
Client ID:	774IA1LA				
Operator ID:	bl	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

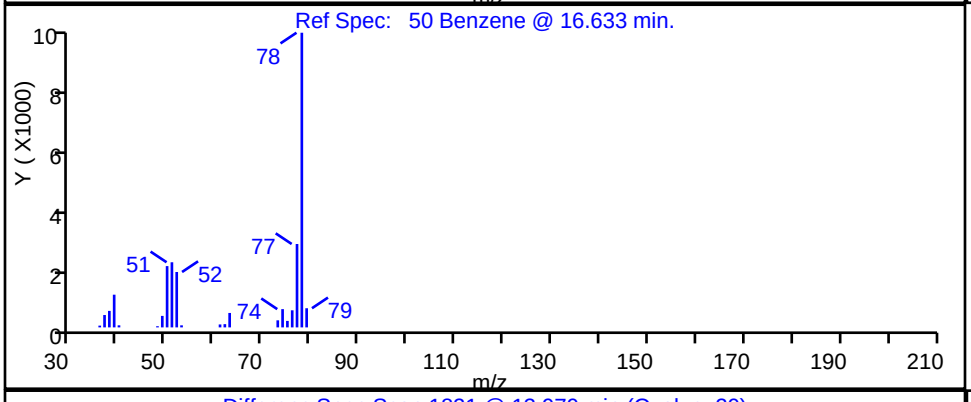
50 Benzene, CAS: 71-43-2

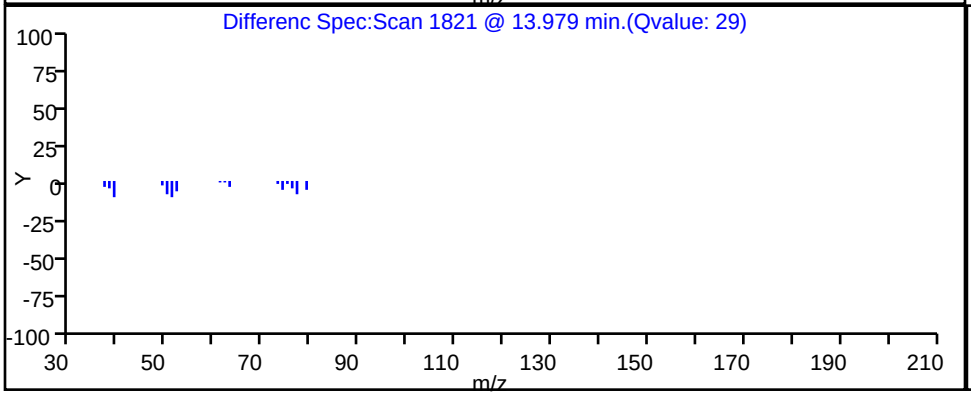


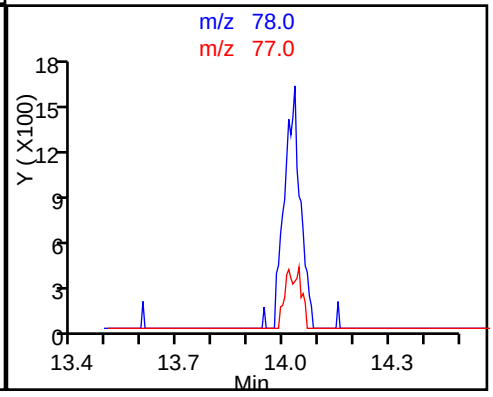








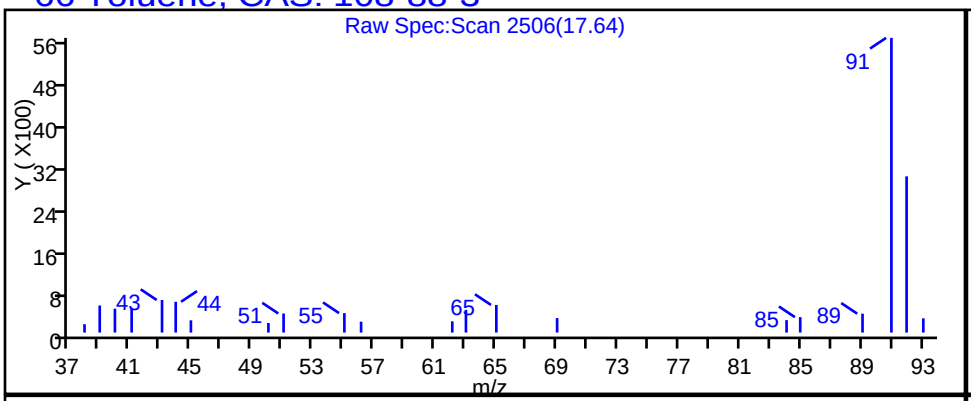


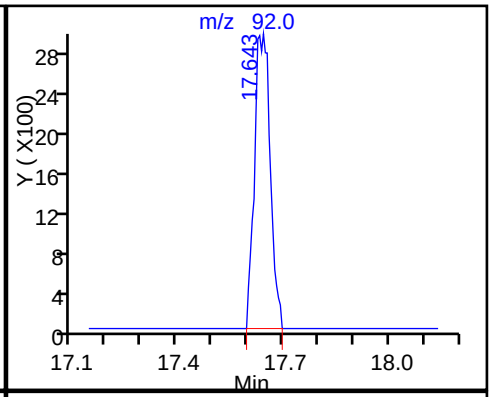


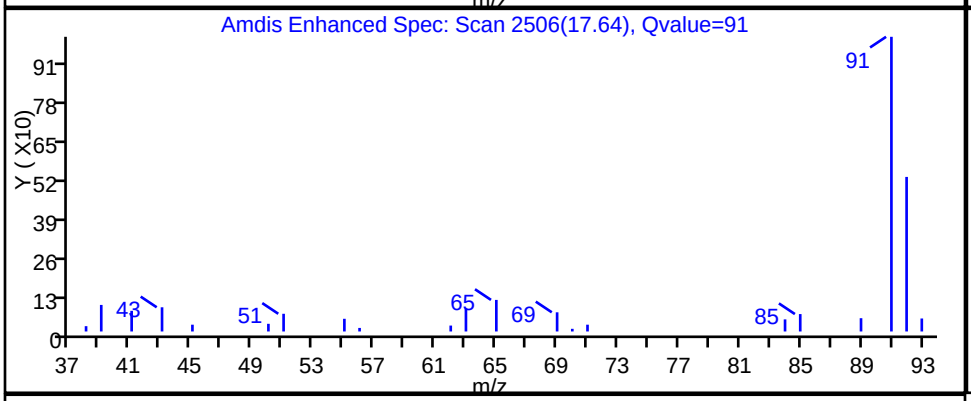
TestAmerica Burlington

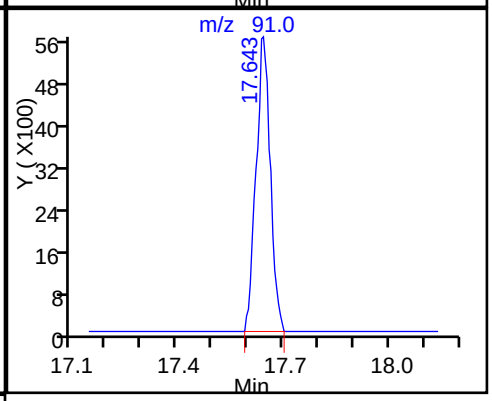
Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140724-8696.b\8696_013.d				
Injection Date:	24-Jul-2014 20:08:30	Instrument ID:	CHW.i		
Lims ID:	280-58003-A-8	Lab Sample ID:	200-58003-8		
Client ID:	774IA1LA				
Operator ID:	bl	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

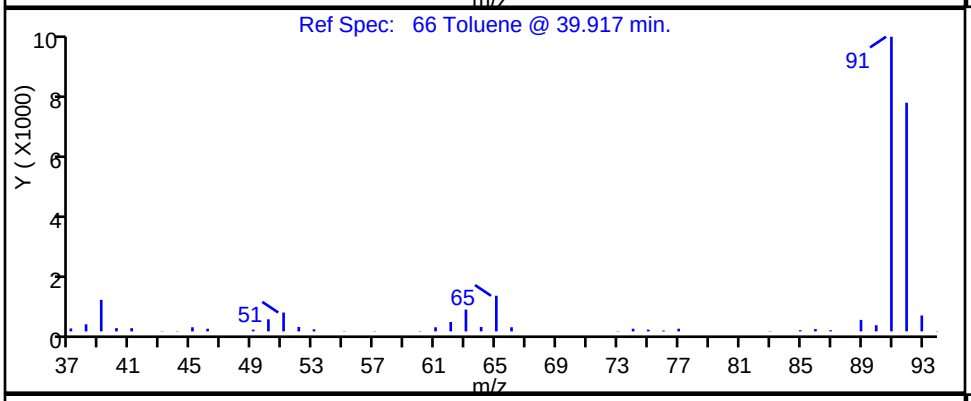
66 Toluene, CAS: 108-88-3

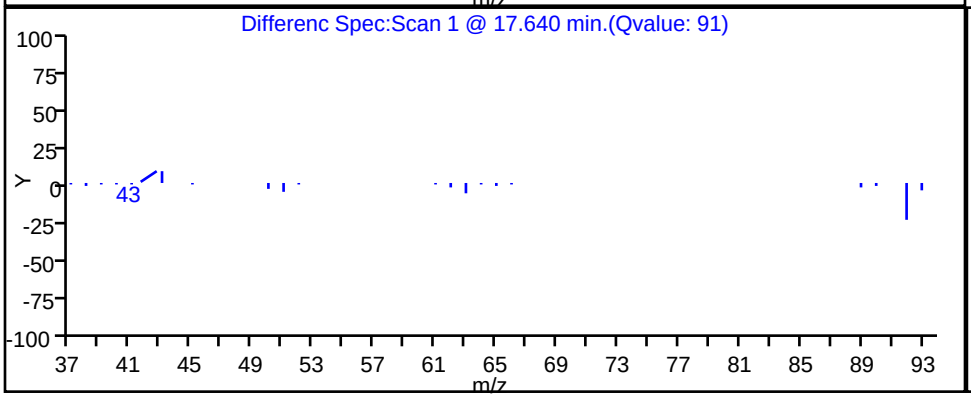


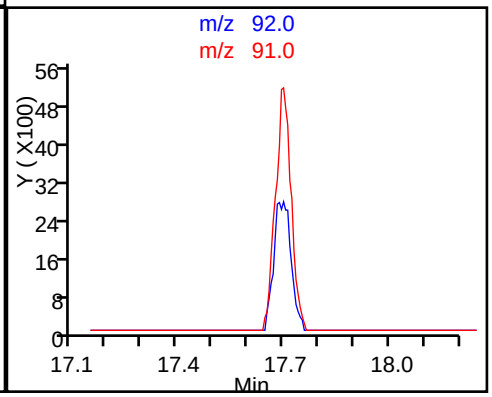












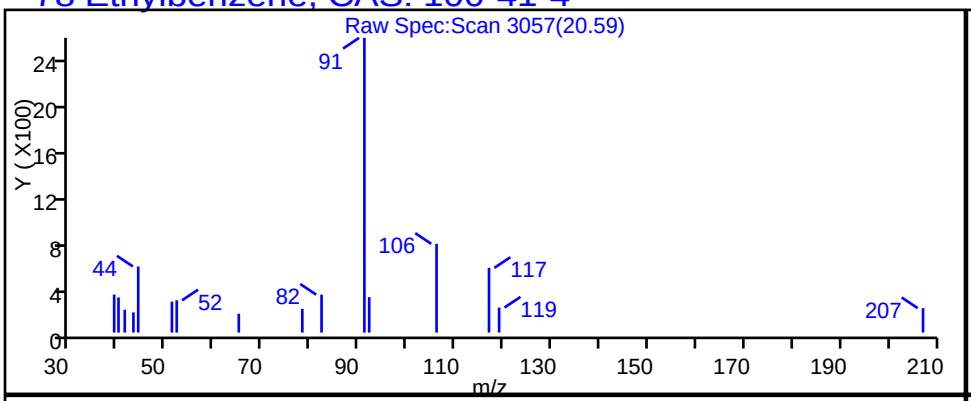
Report Date: 25-Jul-2014 09:24:43 Chrom Revision: 2.2 24-Jun-2014 07:21:42

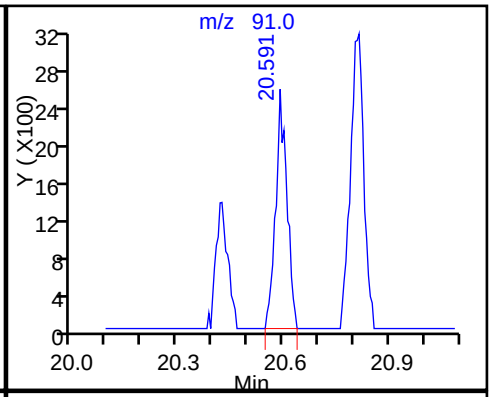
TestAmerica Burlington

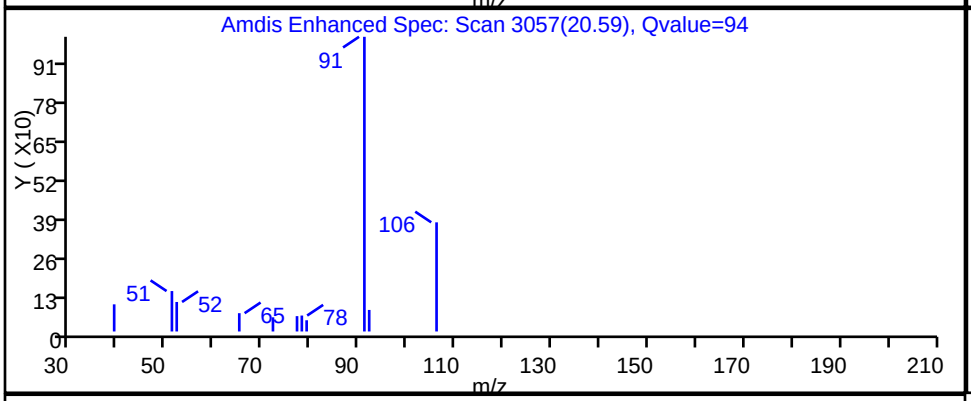
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140724-8696.b\8696_013.d

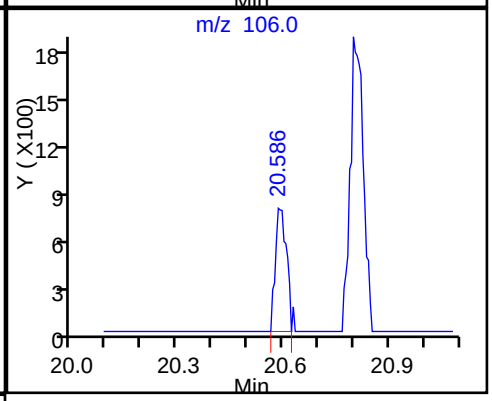
Injection Date:	24-Jul-2014 20:08:30	Instrument ID:	CHW.i		
Lims ID:	280-58003-A-8	Lab Sample ID:	200-58003-8		
Client ID:	774IA1LA				
Operator ID:	bl	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

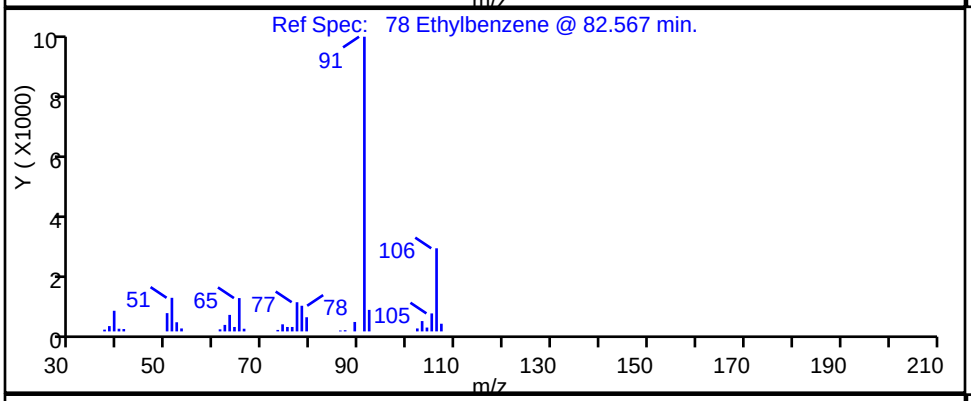
78 Ethylbenzene, CAS: 100-41-4

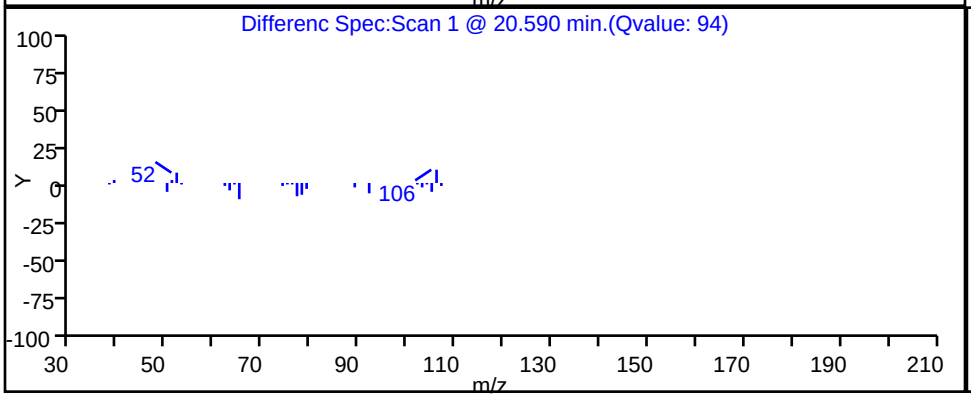


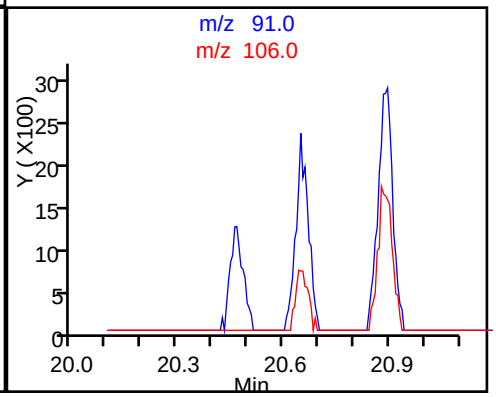












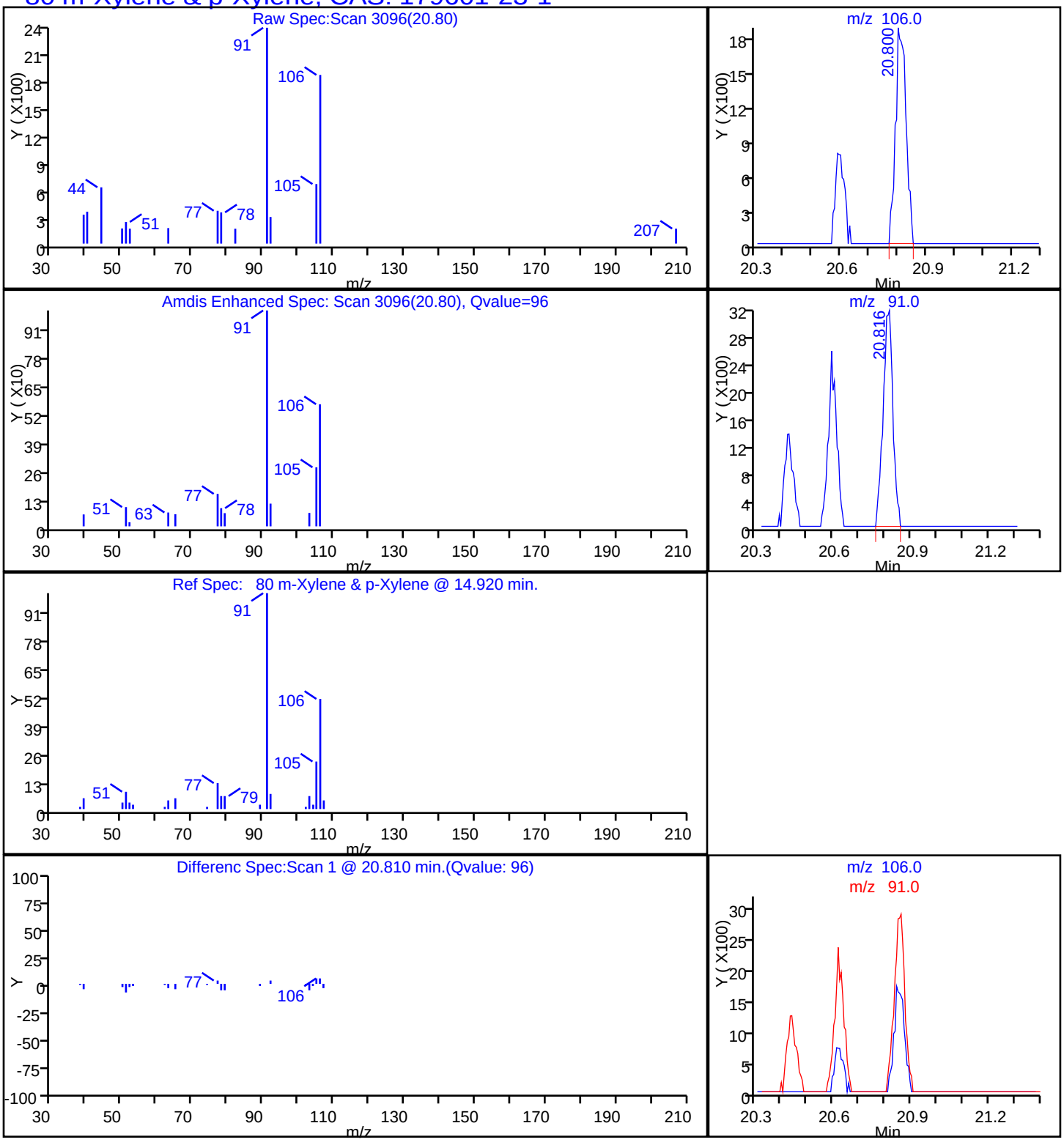
Report Date: 25-Jul-2014 09:24:43 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140724-8696.b\8696_013.d

Injection Date:	24-Jul-2014 20:08:30	Instrument ID:	CHW.i		
Lims ID:	280-58003-A-8	Lab Sample ID:	200-58003-8		
Client ID:	774IA1LA				
Operator ID:	bl	ALS Bottle#:	12	Worklist Smp#:	13
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



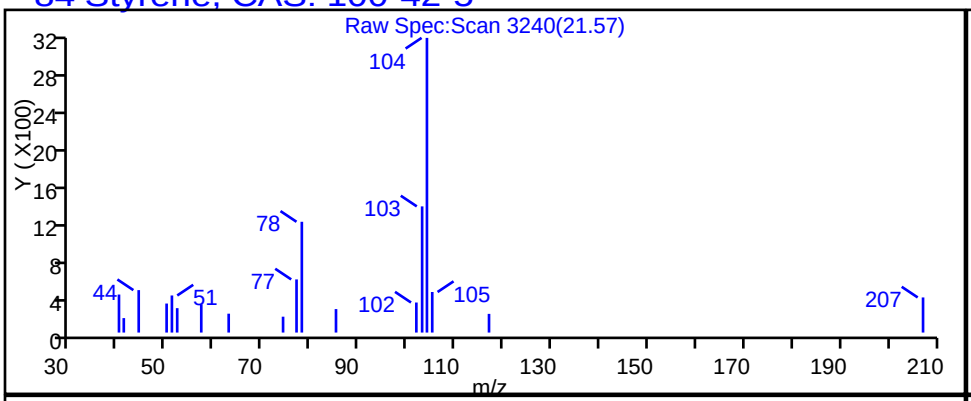
Report Date: 25-Jul-2014 09:24:43 Chrom Revision: 2.2 24-Jun-2014 07:21:42

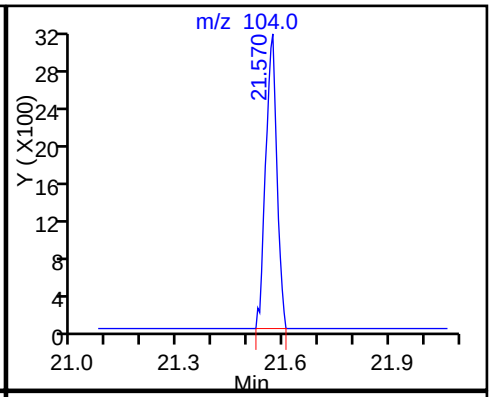
TestAmerica Burlington

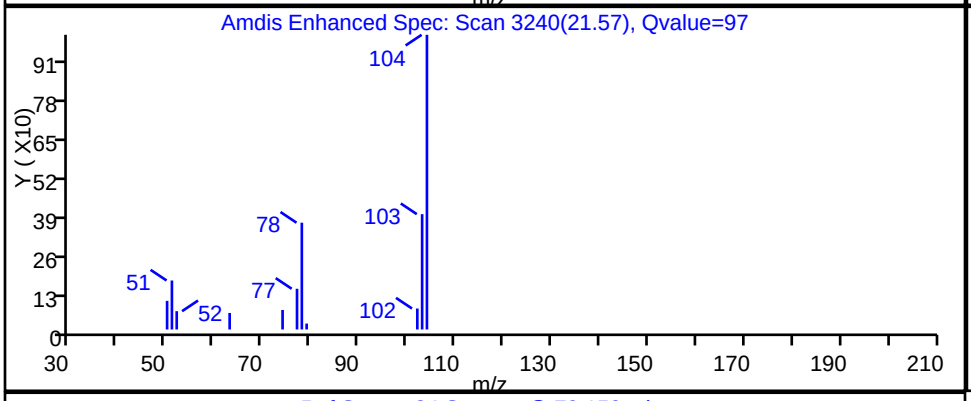
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140724-8696.b\8696_013.d

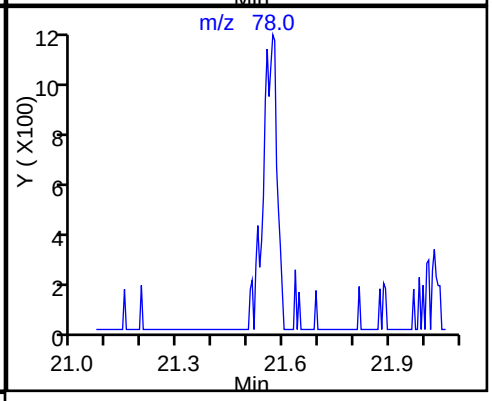
Injection Date:	24-Jul-2014 20:08:30	Instrument ID:	CHW.i		
Lims ID:	280-58003-A-8	Lab Sample ID:	200-58003-8		
Client ID:	774IA1LA				
Operator ID:	bl	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

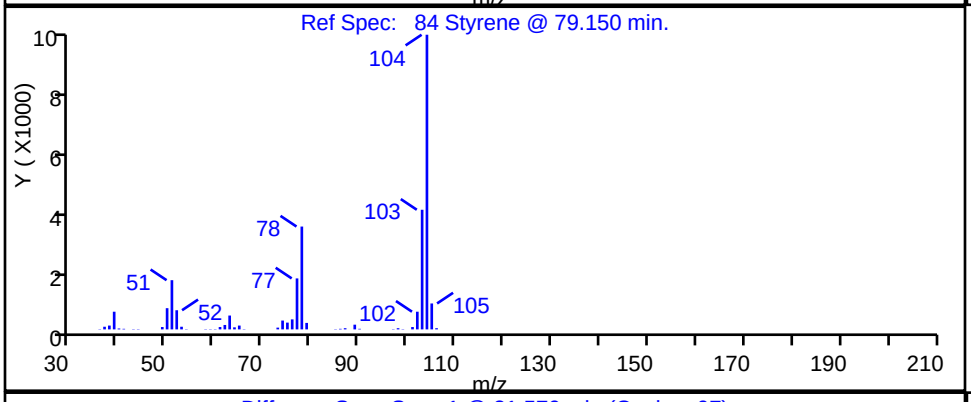
84 Styrene, CAS: 100-42-5

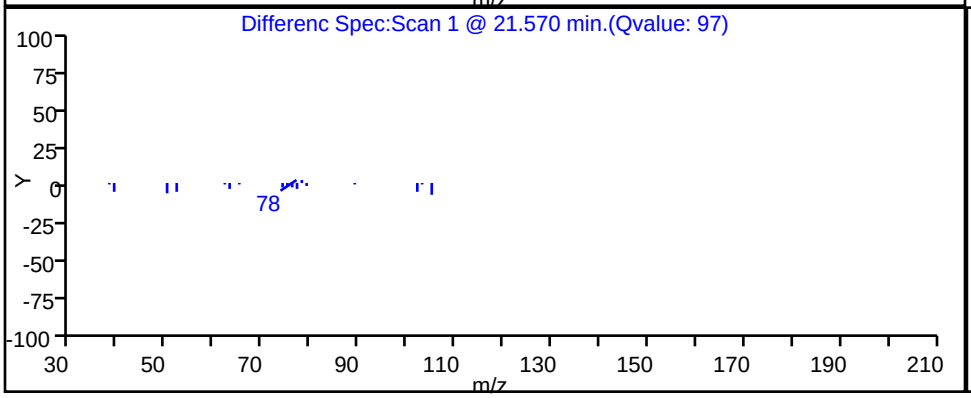


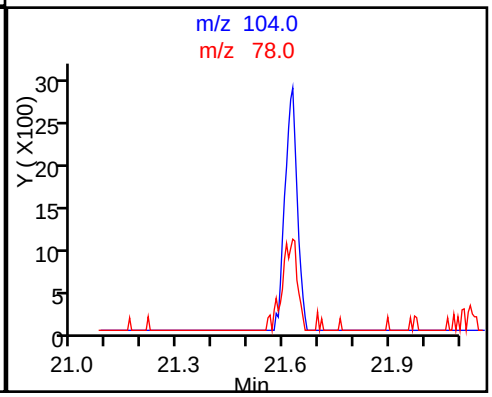












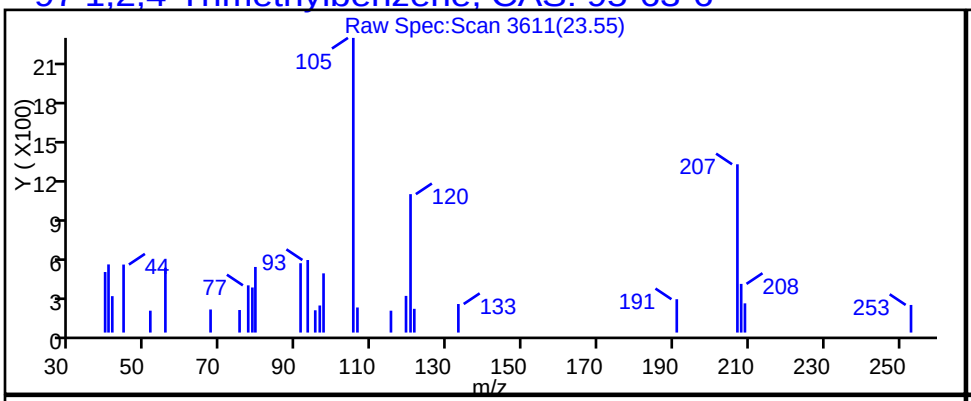
Report Date: 25-Jul-2014 09:24:43 Chrom Revision: 2.2 24-Jun-2014 07:21:42

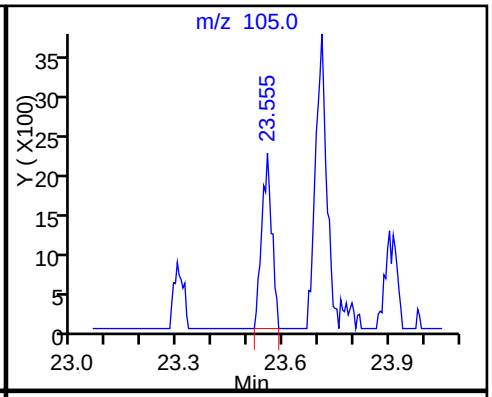
TestAmerica Burlington

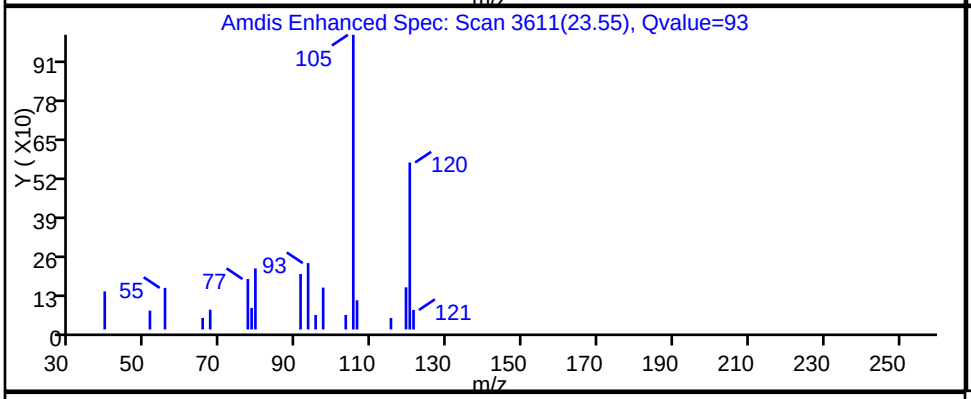
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140724-8696.b\8696_013.d

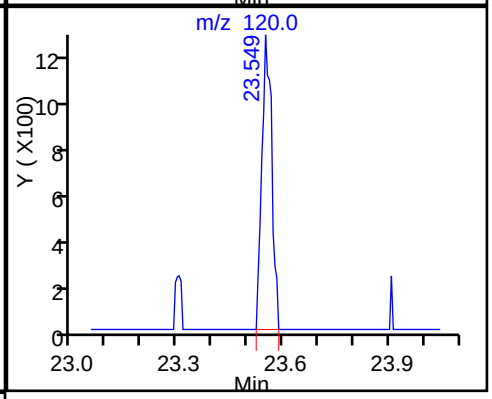
Injection Date:	24-Jul-2014 20:08:30	Instrument ID:	CHW.i		
Lims ID:	280-58003-A-8	Lab Sample ID:	200-58003-8		
Client ID:	774IA1LA				
Operator ID:	bl	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	200.000 mL	Dil. Factor:	2.5000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

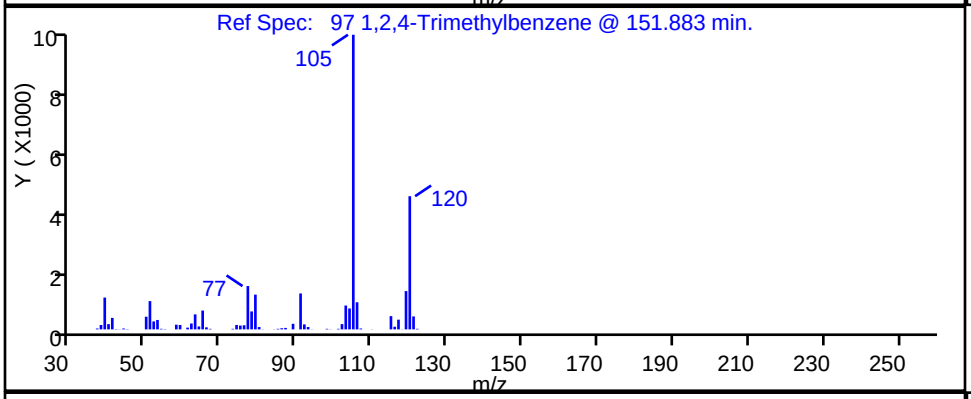
97 1,2,4-Trimethylbenzene, CAS: 95-63-6

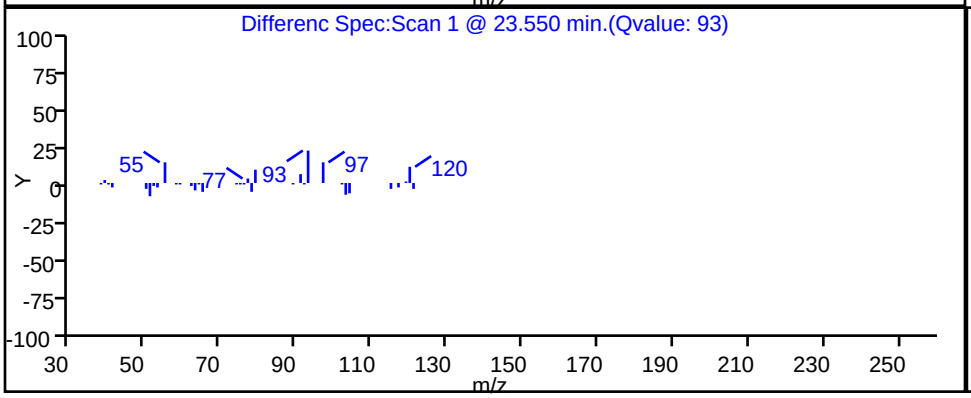


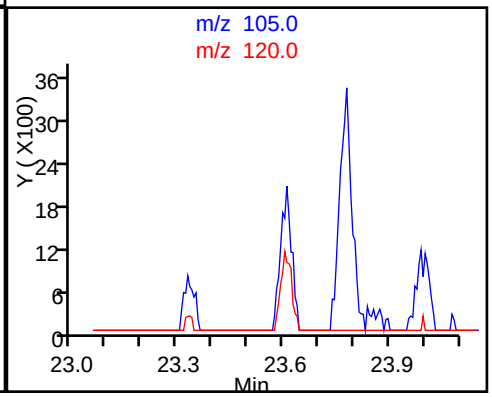












Manual Integration/User Assign Peak Report

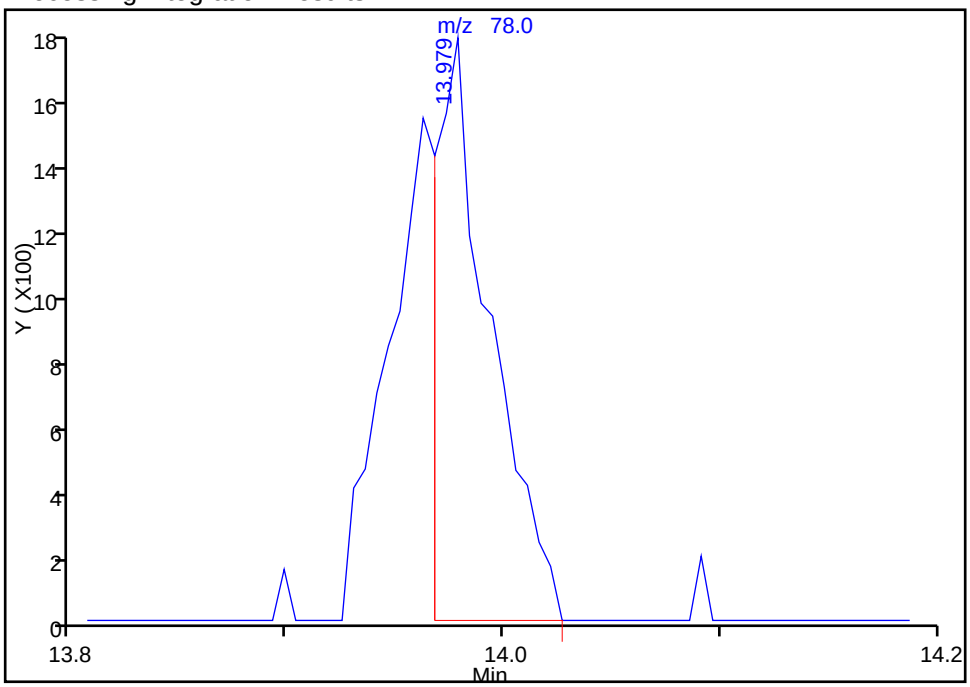
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140724-8696.b\8696_013.d				
Injection Date:	24-Jul-2014 20:08:30	Instrument ID:	CHW.i		
Lims ID:	280-58003-A-8	Lab Sample ID:	200-58003-8		
Client ID:	774IA1LA				
Operator ID:	bl	ALS Bottle#:	12	Worklist Smp#:	13
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

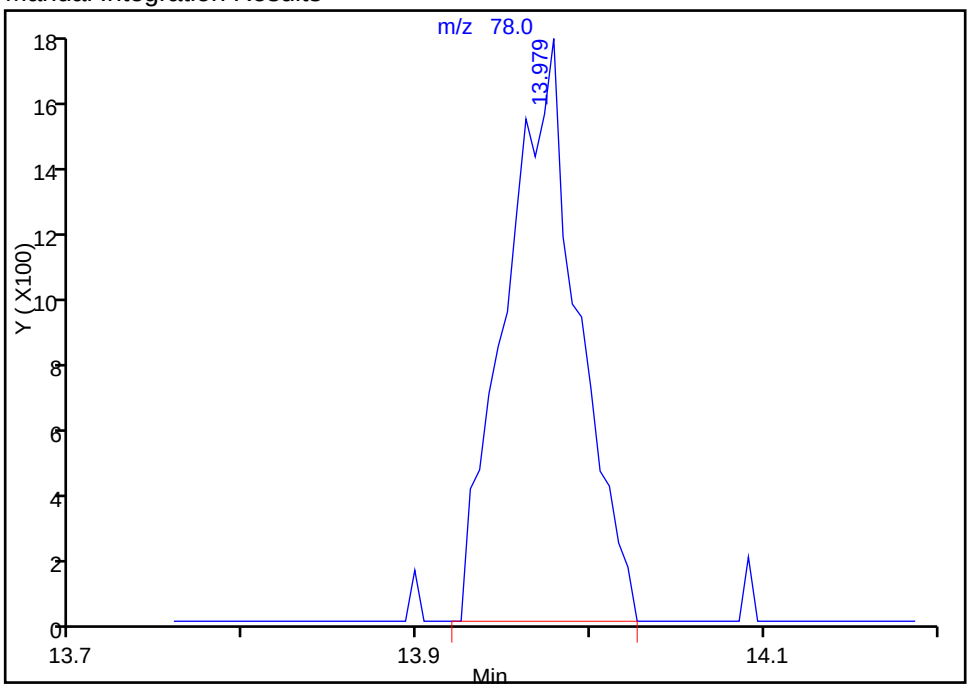
Processing Integration Results

RT: 13.98
Response: 3029
Amount: 0.018129



Manual Integration Results

RT: 13.98
Response: 4921
Amount: 0.029453



Reviewer: lyonsb, 25-Jul-2014 09:22:58
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

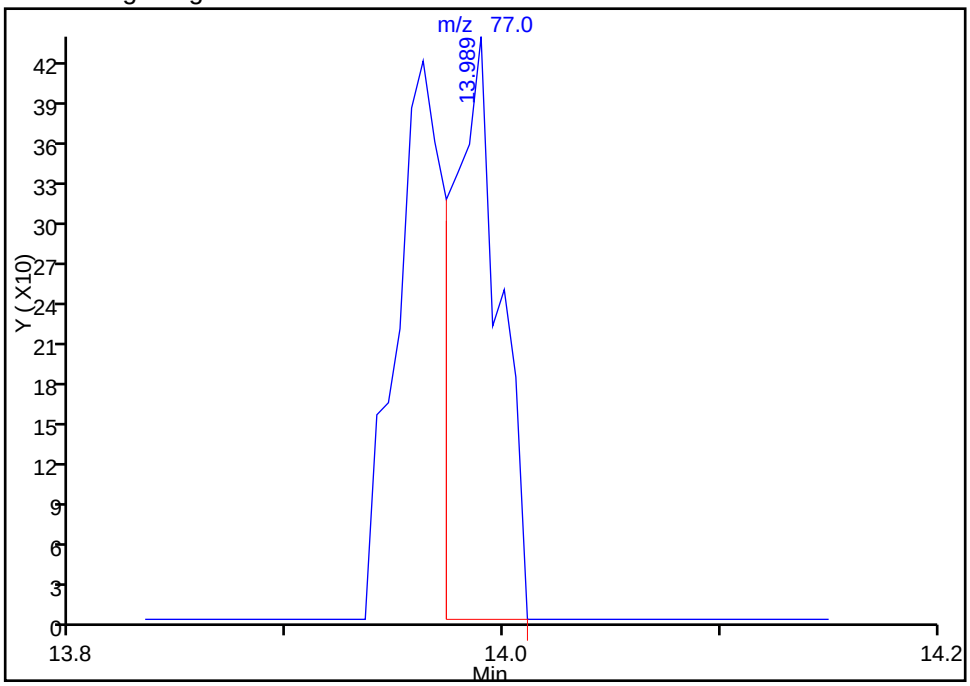
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140724-8696.b\8696_013.d				
Injection Date:	24-Jul-2014 20:08:30	Instrument ID:	CHW.i		
Lims ID:	280-58003-A-8	Lab Sample ID:	200-58003-8		
Client ID:	774IA1LA				
Operator ID:	bl	ALS Bottle#:	12	Worklist Smp#:	13
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

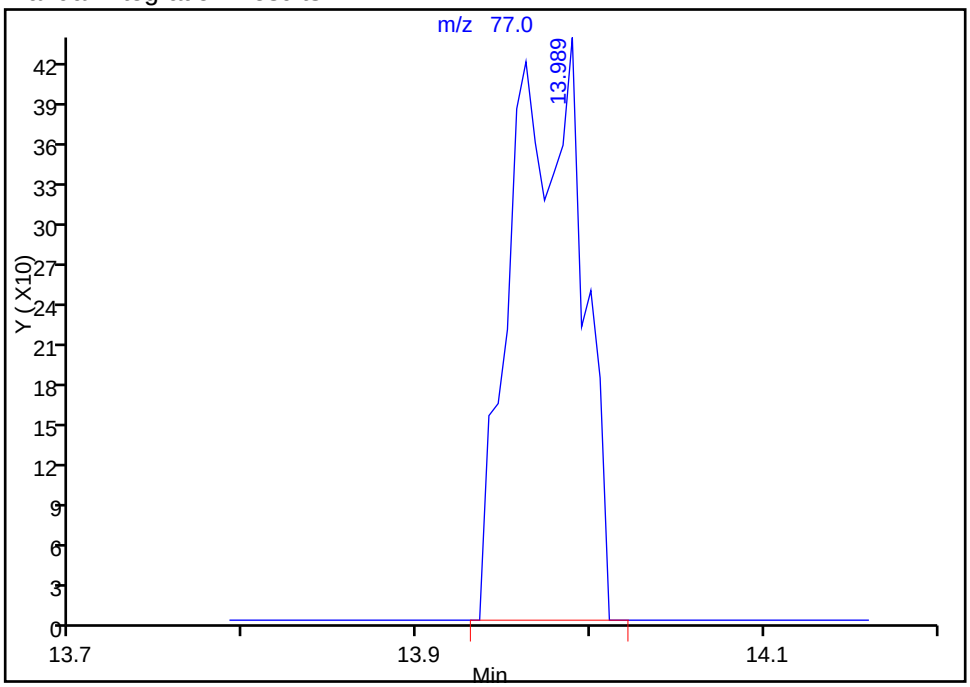
Processing Integration Results

RT: 13.99
Response: 665
Amount: 0.018129



Manual Integration Results

RT: 13.99
Response: 1204
Amount: 0.029453



Reviewer: lyonsb, 25-Jul-2014 09:22:58
Audit Action: Manually Integrated
Audit Reason: Baseline Event

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

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Client Sample ID: 774776OA1LA Lab Sample ID: 280-58003-9

Matrix: Air Lab File ID: 8677_016.D

Analysis Method: TO-15 Date Collected: 07/17/2014 09:00

Sample wt/vol: 200(mL) Date Analyzed: 07/23/2014 20:14

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.: 75211 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	0.56		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	0.50		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	0.24		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	3.8	J	5.0	1.3
67-63-0	Isopropyl alcohol	60.10	0.40	J	5.0	0.22
75-15-0	Carbon disulfide	76.14	0.16	J	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	0.76		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	0.076	J	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	0.050	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.: 280-58003-1

SDG No.:

Client Sample ID: 774776OA1LA Lab Sample ID: 280-58003-9

Matrix: Air Lab File ID: 8677_016.D

Analysis Method: TO-15 Date Collected: 07/17/2014 09:00

Sample wt/vol: 200(mL) Date Analyzed: 07/23/2014 20:14

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.: 75211 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	0.099	J M	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	0.027	J	0.50	0.027
108-88-3	Toluene	92.14	0.097	J	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	0.046	J	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	0.046	J	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	0.80		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	0.022	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.: 280-58003-1

SDG No.:

Client Sample ID: 774776OA1LA Lab Sample ID: 280-58003-9

Matrix: Air Lab File ID: 8677_016.D

Analysis Method: TO-15 Date Collected: 07/17/2014 09:00

Sample wt/vol: 200(mL) Date Analyzed: 07/23/2014 20:14

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.: 75211 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.: 280-58003-1

SDG No.:

Client Sample ID: 774776OA1LA Lab Sample ID: 280-58003-9

Matrix: Air Lab File ID: 8677_016.D

Analysis Method: TO-15 Date Collected: 07/17/2014 09:00

Sample wt/vol: 200(mL) Date Analyzed: 07/23/2014 20:14

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.: 75211 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	2.8		2.5	0.15
75-45-6	Freon 22	86.47	0.94	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		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	1.3		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	9.1	J	12	3.0
67-63-0	Isopropyl alcohol	60.10	0.98	J	12	0.53
75-15-0	Carbon disulfide	76.14	0.50	J	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	2.2		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	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	0.48	J	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	0.16	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.: 280-58003-1

SDG No.:

Client Sample ID: 774776OA1LA Lab Sample ID: 280-58003-9

Matrix: Air Lab File ID: 8677_016.D

Analysis Method: TO-15 Date Collected: 07/17/2014 09:00

Sample wt/vol: 200(mL) Date Analyzed: 07/23/2014 20:14

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.: 75211 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	0.53	J M	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	0.11	J	2.0	0.11
108-88-3	Toluene	92.14	0.37	J	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	0.20	J	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	0.20	J	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	5.5		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	0.11	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.: 280-58003-1

SDG No.:

Client Sample ID: 774776OA1LA Lab Sample ID: 280-58003-9

Matrix: Air Lab File ID: 8677_016.D

Analysis Method: TO-15 Date Collected: 07/17/2014 09:00

Sample wt/vol: 200(mL) Date Analyzed: 07/23/2014 20:14

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.: 75211 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\CHC.i\20140723-8677.b\8677_016.D
Lims ID: 280-58003-A-9 Lab Sample ID: 200-58003-9
Client ID: 774776OA1LA
Sample Type: Client
Inject. Date: 23-Jul-2014 20:14:30 ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0008677-016
Misc. Info.: 280-58003-A-9
Operator ID: bpl Instrument ID: CHC.i

Method: \\BTV-LIMS1\ChromData\CHC.i\20140723-8677.b\TO15_LLNJ_TO3_CHC.m
Limit Group: AI_TO15_ICAL
Last Update: 24-Jul-2014 10:20:24 Calib Date: 18-Jul-2014 09:36:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\8605_018.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK034

First Level Reviewer: lyonsb Date: 24-Jul-2014 09:52:25

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	3.074	3.079	-0.005	99	18972	0.5565	
6 Chlorodifluoromethane	51	3.127	3.132	-0.005	95	4035	0.2644	
7 1,2-Dichloro-1,1,2,2-tetra	85		3.351				ND	
8 Chloromethane	50	3.490	3.495	-0.005	97	4085	0.5038	
9 Butane	43		3.698				ND	
10 Vinyl chloride	62		3.746				ND	
11 Butadiene	54		3.832				ND	
12 Bromomethane	94		4.536				ND	
13 Chloroethane	64		4.792				ND	
15 Vinyl bromide	106		5.192				ND	
16 Trichlorofluoromethane	101	5.289	5.294	-0.005	96	8659	0.2376	
23 1,1,2-Trichloro-1,2,2-trif	101		6.425				ND	
24 1,1-Dichloroethene	96		6.463				ND	
25 Acetone	43	6.740	6.740	0.000	86	50792	3.83	
26 Carbon disulfide	76	6.831	6.842	-0.011	100	4543	0.1614	
27 Isopropyl alcohol	45	7.077	7.071	0.006	79	4205	0.3975	
29 3-Chloro-1-propene	41		7.285				ND	
31 Methylene Chloride	49		7.589				ND	
32 2-Methyl-2-propanol	59		7.861				ND	
33 Methyl tert-butyl ether	73		8.005				ND	
34 trans-1,2-Dichloroethene	61		8.037				ND	
36 Hexane	57		8.427				ND	
37 1,1-Dichloroethane	63		8.934				ND	
39 cis-1,2-Dichloroethene	96		10.081				ND	
40 2-Butanone (MEK)	72	10.156	10.156	0.000	98	4435	0.7586	
S 41 1,2-Dichloroethene, Total	61		10.200				0	
* 43 Chlorobromomethane	128	10.551	10.551	0.000	82	110067	10.0	
44 Tetrahydrofuran	42		10.567				ND	
45 Chloroform	83		10.695				ND	
46 Cyclohexane	84		10.919				ND	
47 1,1,1-Trichloroethane	97		10.956				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
48 Carbon tetrachloride	117	11.202	11.207	-0.005	60	2788	0.0763	
51 Isooctane	57		11.655				ND	
50 Benzene	78	11.682	11.693	-0.011	85	2035	0.0495	
52 1,2-Dichloroethane	62		11.896				ND	
53 n-Heptane	43		12.061				ND	
* 54 1,4-Difluorobenzene	114	12.563	12.568	-0.005	96	648331	10.0	
56 Trichloroethene	95	13.017	13.032	-0.016	44	2238	0.0994	M
58 1,2-Dichloropropane	63		13.614				ND	
59 Methyl methacrylate	69		13.801				ND	
60 1,4-Dioxane	88		13.860				ND	
62 Dichlorobromomethane	83		14.180				ND	
64 cis-1,3-Dichloropropene	75		15.130				ND	
65 4-Methyl-2-pentanone (MIBK	43	15.439	15.434	0.005	1	1135	0.0270	
66 Toluene	92	15.712	15.712	0.000	79	3634	0.0972	
70 trans-1,3-Dichloropropene	75		16.331				ND	
71 1,1,2-Trichloroethane	83		16.704				ND	
72 Tetrachloroethene	166		16.790				ND	
73 2-Hexanone	43	17.174	17.163	0.011	94	5878	0.1397	
74 Chlorodibromomethane	129		17.462				ND	
75 Ethylene Dibromide	107		17.729				ND	
* 76 Chlorobenzene-d5	117	18.620	18.620	0.000	90	660180	10.0	
77 Chlorobenzene	112		18.684				ND	
78 Ethylbenzene	91		18.834				ND	
81 m-Xylene & p-Xylene	106	19.079	19.084	-0.005	79	1437	0.0464	
83 o-Xylene	106		19.922				ND	
84 Styrene	104		19.976				ND	
S 82 Xylenes, Total	106				0		0.0464	
85 Bromoform	173		20.392				ND	
86 Isopropylbenzene	105		20.595				ND	
$ 87 4-Bromofluorobenzene	95	20.963	20.963	0.000	88	523368	NC	
88 1,1,2,2-Tetrachloroethane	83	21.251	21.251	0.000	97	41589	0.8029	
90 N-Propylbenzene	91		21.310				ND	
91 4-Ethyltoluene	105		21.497				ND	
92 2-Chlorotoluene	91		21.502				ND	
94 1,3,5-Trimethylbenzene	105		21.603				ND	
96 tert-Butylbenzene	119		22.084				ND	
97 1,2,4-Trimethylbenzene	105	22.180	22.180	0.000	86	1714	0.0221	
98 sec-Butylbenzene	105		22.404				ND	
99 4-Isopropyltoluene	119		22.607				ND	
100 1,3-Dichlorobenzene	146		22.633				ND	
101 1,4-Dichlorobenzene	146		22.772				ND	
102 Benzyl chloride	91		22.970				ND	
103 n-Butylbenzene	91		23.173				ND	
105 1,2-Dichlorobenzene	146		23.301				ND	
107 1,2,4-Trichlorobenzene	180		25.798				ND	
108 Hexachlorobutadiene	225		25.980				ND	
109 Naphthalene	128		26.289				ND	

QC Flag Legend

Processing Flags
NC - Not Calibrated
ND - Not Detected or Marked ND

Review Flags
M - Manually Integrated

Reagents:

ATTO15CISs_00006 Amount Added: 20.00 Units: mL Run Reagent

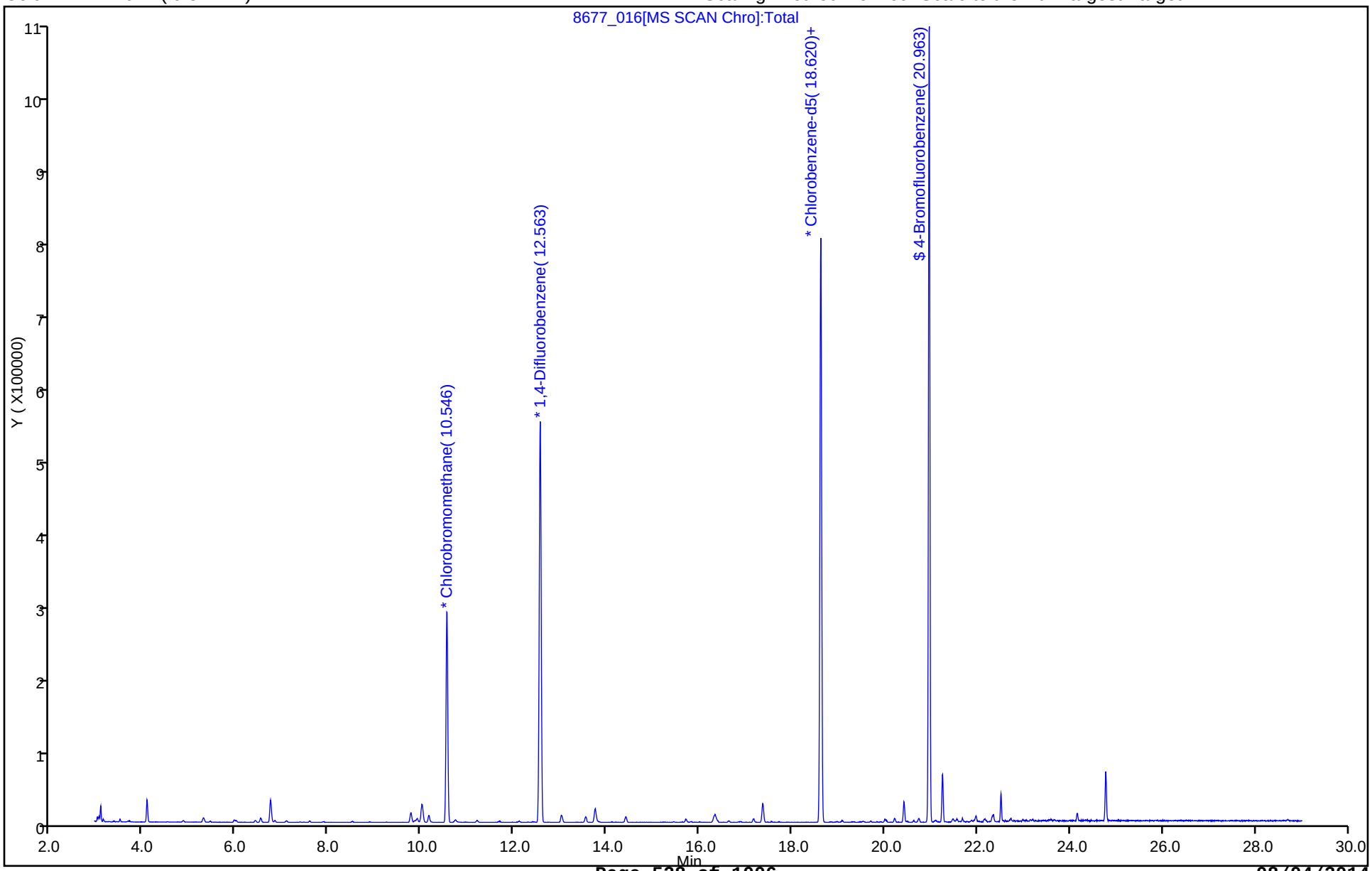
Report Date: 24-Jul-2014 10:20:47 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140723-8677.b\8677_016.D

Injection Date:	23-Jul-2014 20:14:30	Instrument ID:	CHC.i	Operator ID:	bpl
Lims ID:	280-58003-A-9	Lab Sample ID:	200-58003-9	Worklist Smp#:	16
Client ID:	774776OA1LA				
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	15
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		

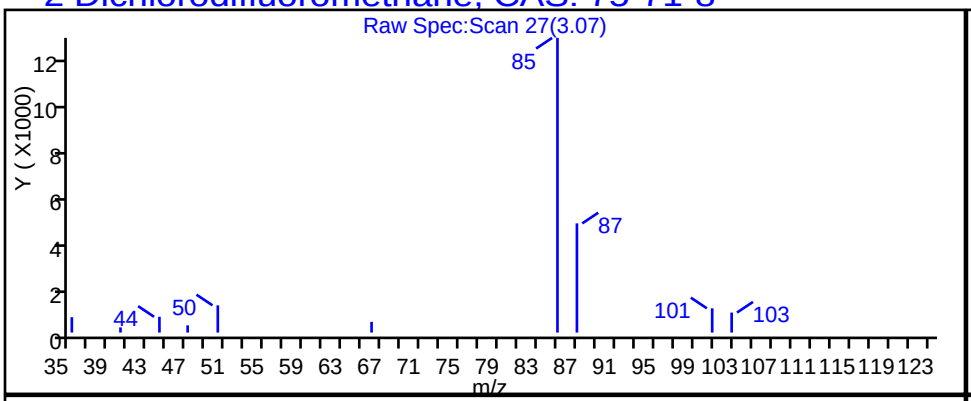
Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1

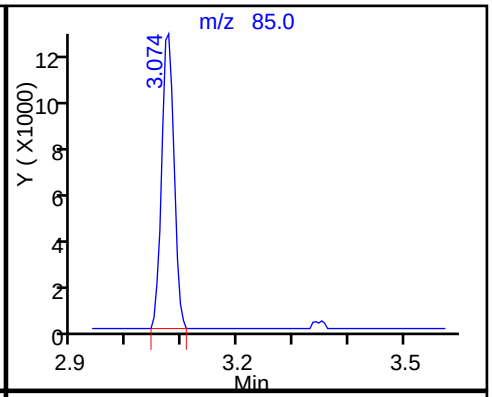


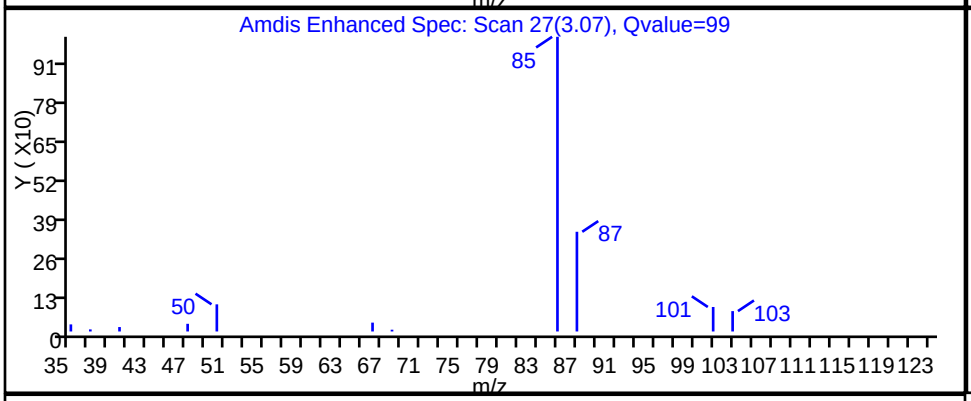
TestAmerica Burlington

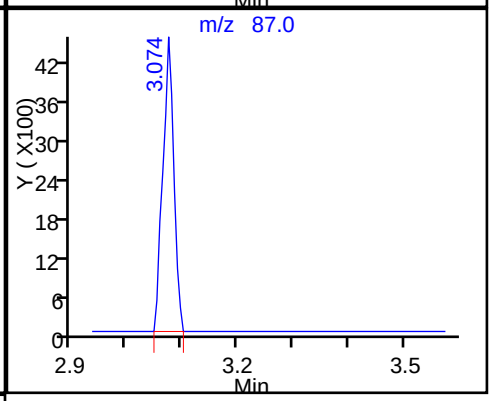
Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140723-8677.b\8677_016.D				
Injection Date:	23-Jul-2014 20:14:30	Instrument ID:	CHC.i		
Lims ID:	280-58003-A-9	Lab Sample ID:	200-58003-9		
Client ID:	774776OA1LA				
Operator ID:	bpl	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

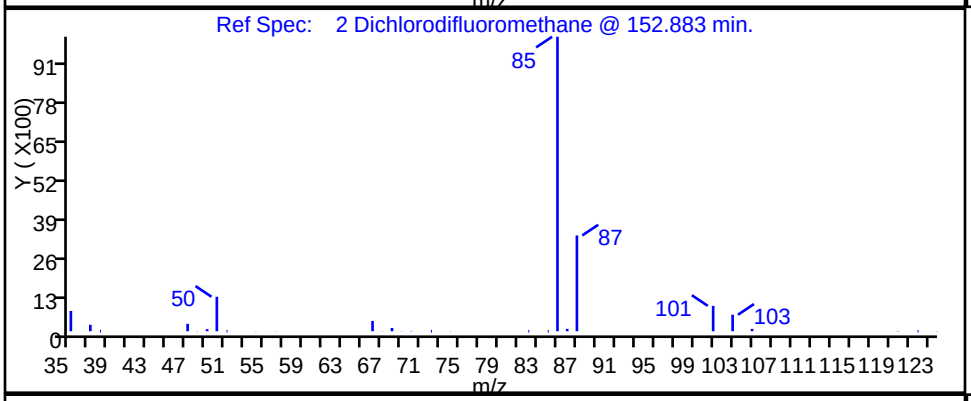
2 Dichlorodifluoromethane, CAS: 75-71-8

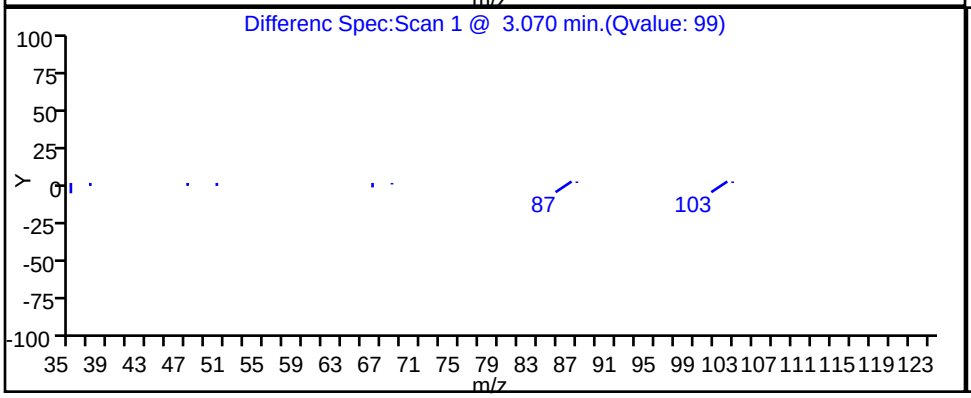


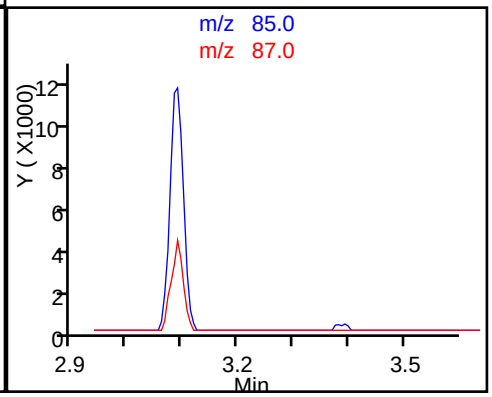










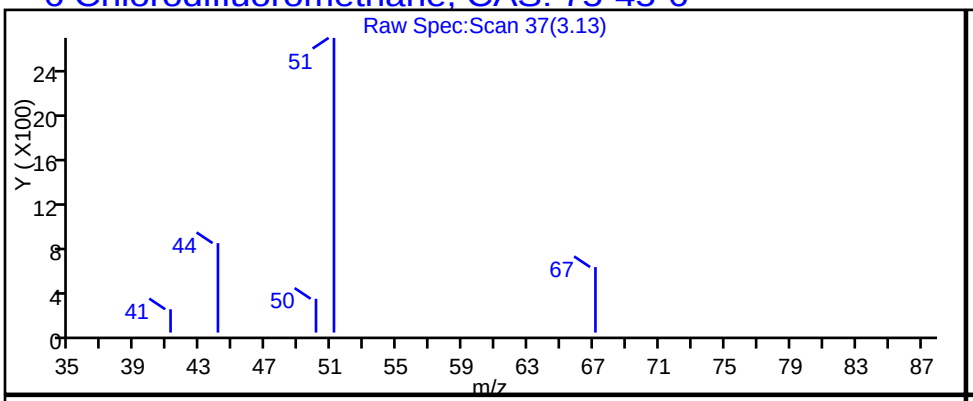


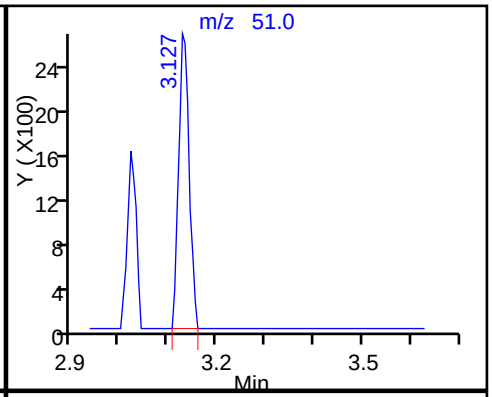
TestAmerica Burlington

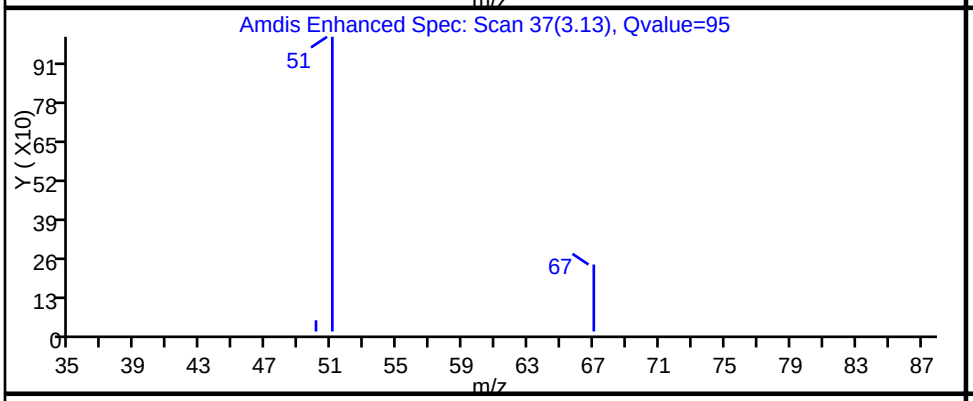
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140723-8677.b\8677_016.D

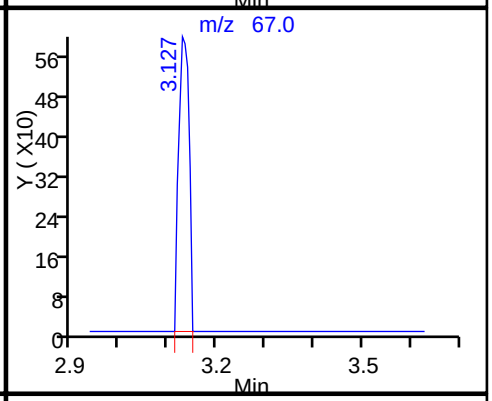
Injection Date:	23-Jul-2014 20:14:30	Instrument ID:	CHC.i		
Lims ID:	280-58003-A-9	Lab Sample ID:	200-58003-9		
Client ID:	774776OA1LA				
Operator ID:	bpl	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

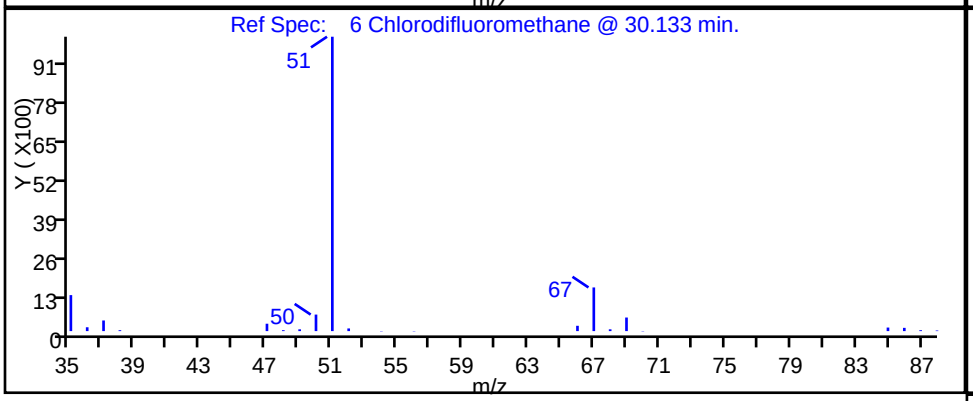
6 Chlorodifluoromethane, CAS: 75-45-6

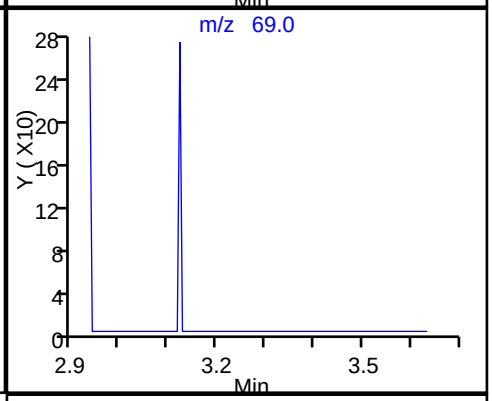


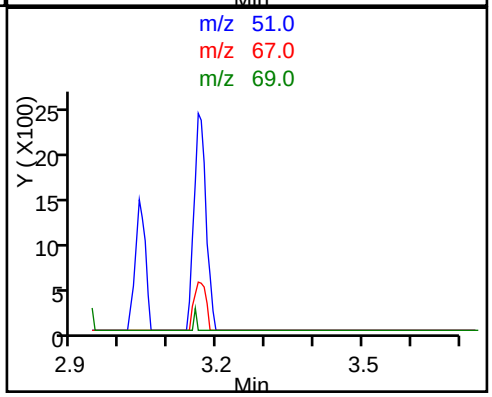












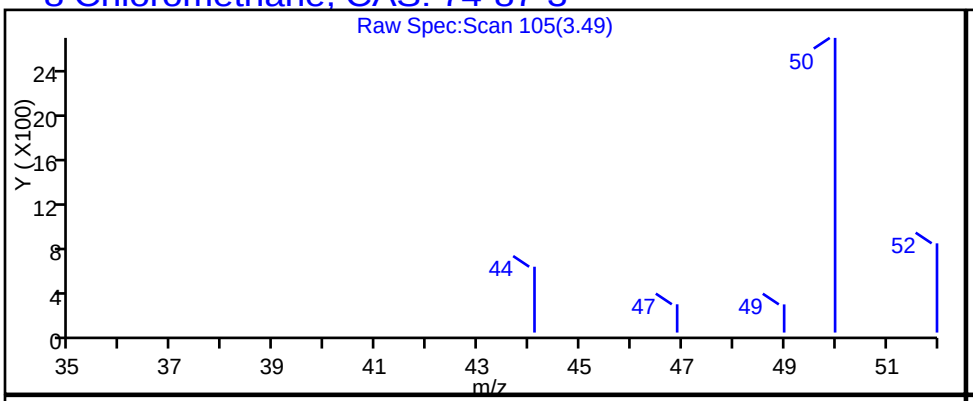
Report Date: 24-Jul-2014 10:20:47 Chrom Revision: 2.2 24-Jun-2014 07:21:42

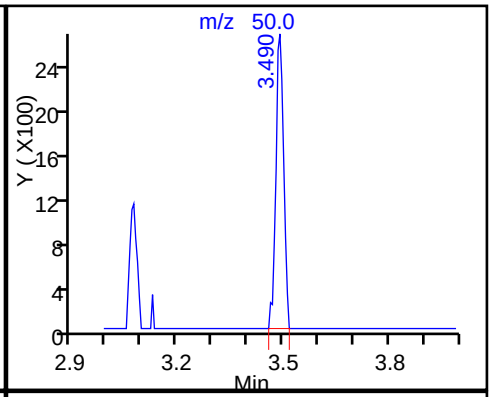
TestAmerica Burlington

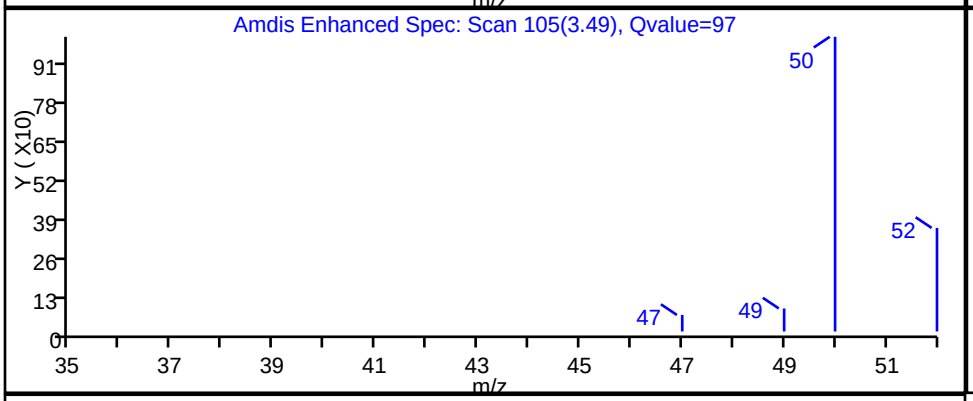
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140723-8677.b\8677_016.D

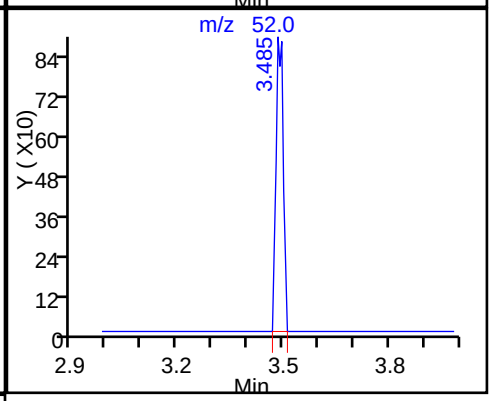
Injection Date:	23-Jul-2014 20:14:30	Instrument ID:	CHC.i		
Lims ID:	280-58003-A-9	Lab Sample ID:	200-58003-9		
Client ID:	774776OA1LA				
Operator ID:	bpl	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

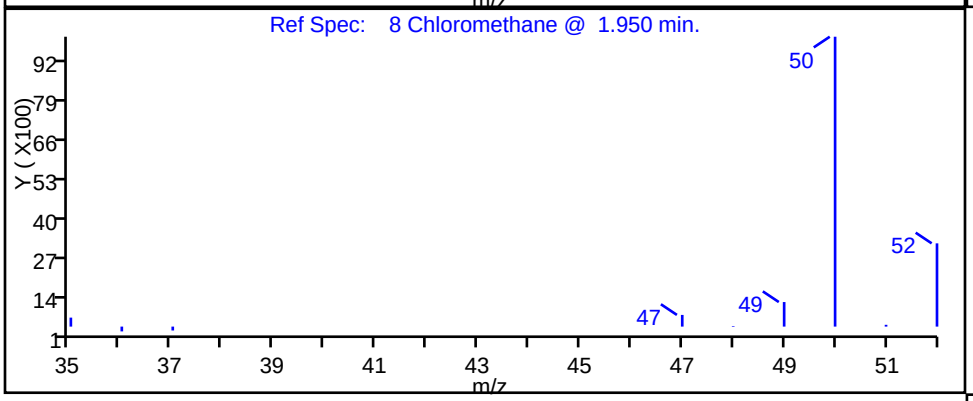
8 Chloromethane, CAS: 74-87-3

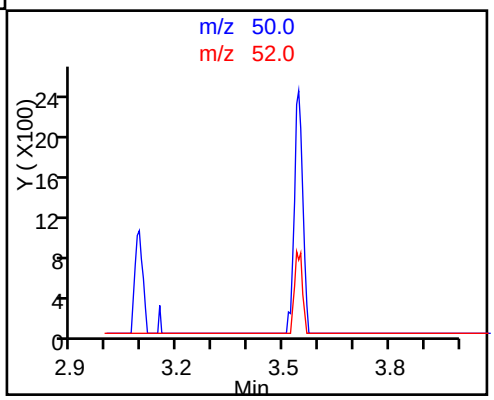












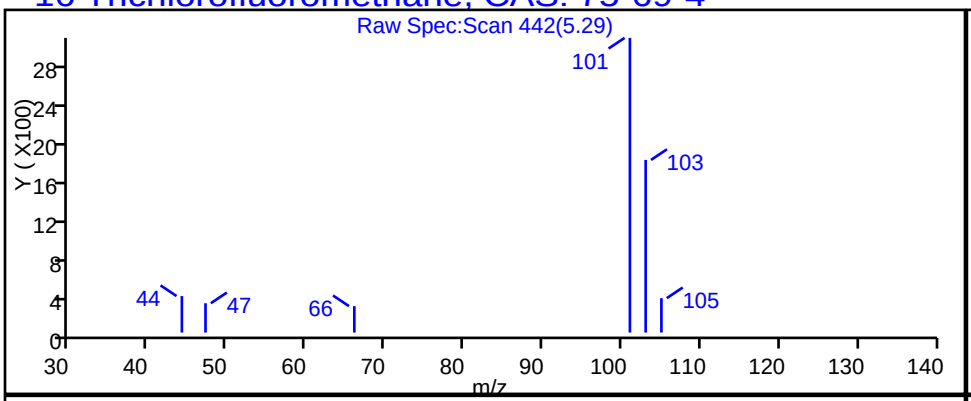
Report Date: 24-Jul-2014 10:20:47 Chrom Revision: 2.2 24-Jun-2014 07:21:42

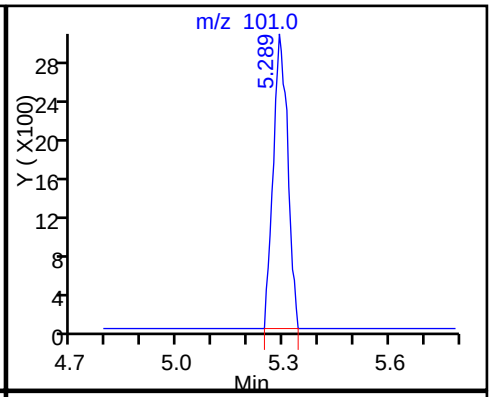
TestAmerica Burlington

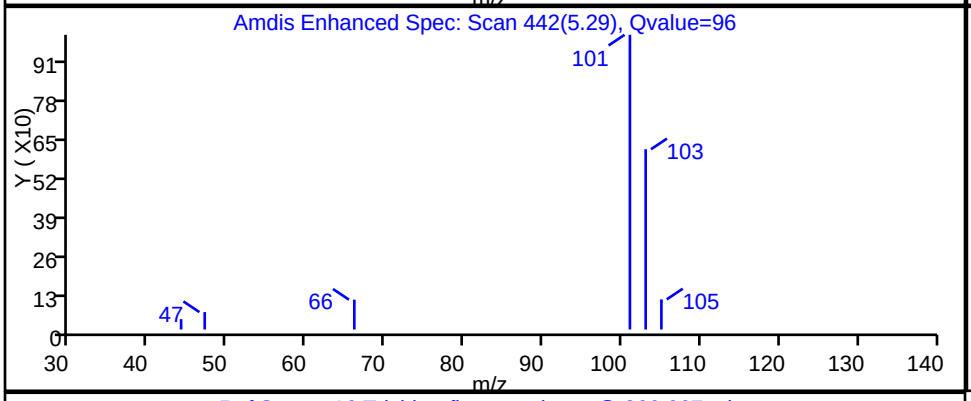
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140723-8677.b\8677_016.D

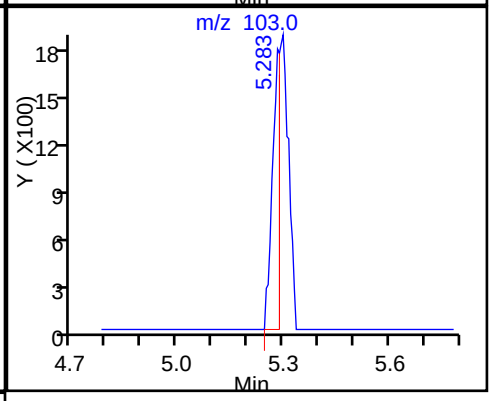
Injection Date:	23-Jul-2014 20:14:30	Instrument ID:	CHC.i		
Lims ID:	280-58003-A-9	Lab Sample ID:	200-58003-9		
Client ID:	774776OA1LA				
Operator ID:	bpl	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

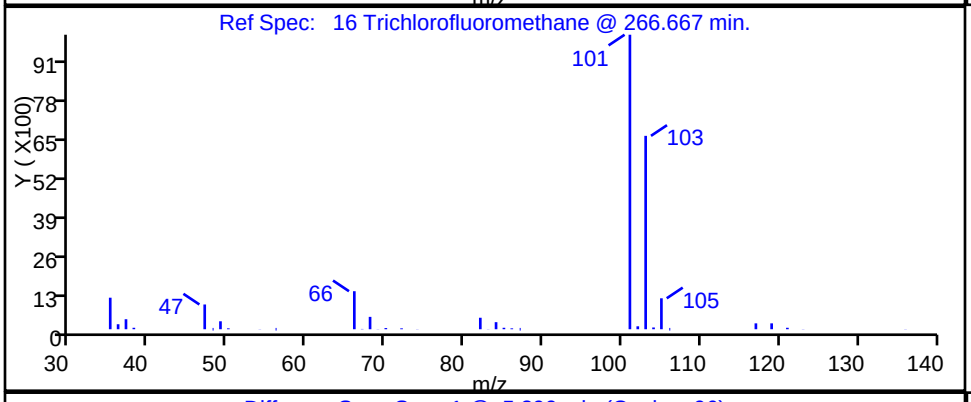
16 Trichlorofluoromethane, CAS: 75-69-4

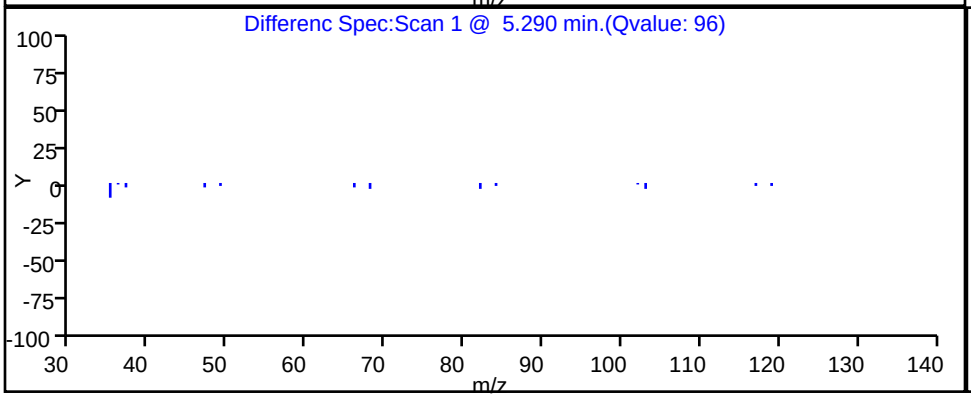


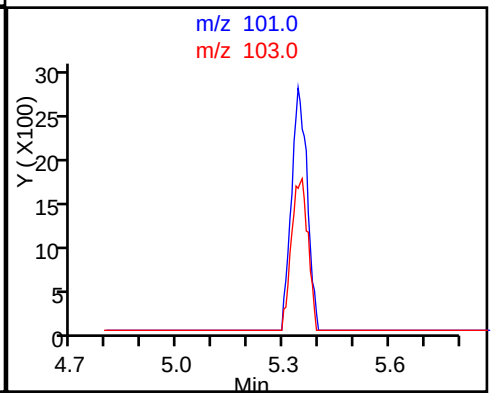












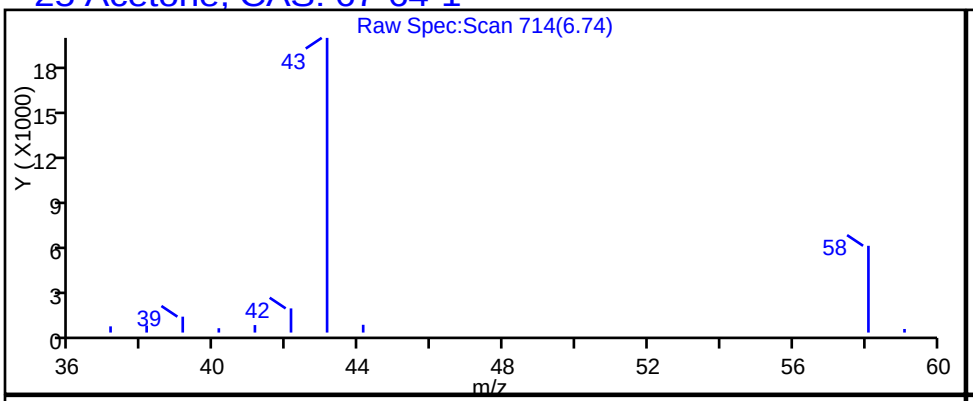
Report Date: 24-Jul-2014 10:20:47 Chrom Revision: 2.2 24-Jun-2014 07:21:42

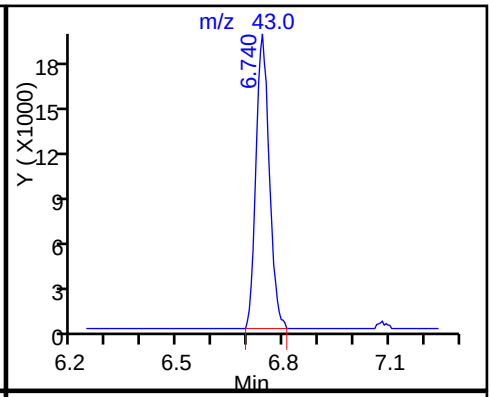
TestAmerica Burlington

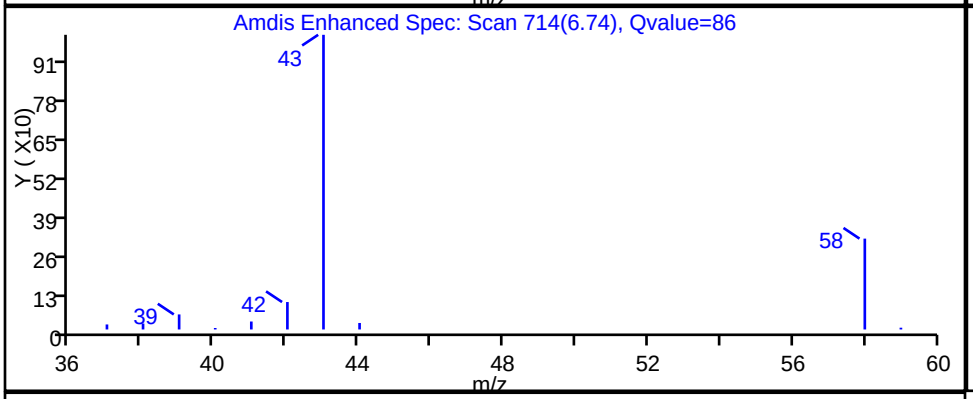
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140723-8677.b\8677_016.D

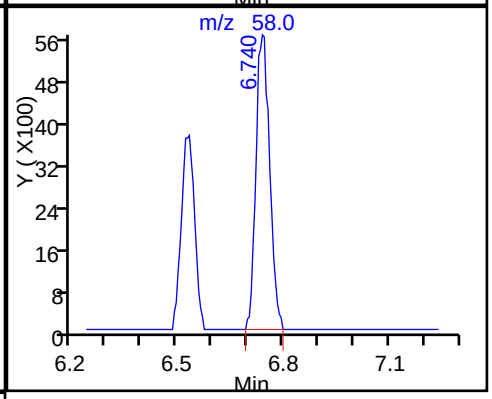
Injection Date:	23-Jul-2014 20:14:30	Instrument ID:	CHC.i		
Lims ID:	280-58003-A-9	Lab Sample ID:	200-58003-9		
Client ID:	774776OA1LA				
Operator ID:	bpl	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

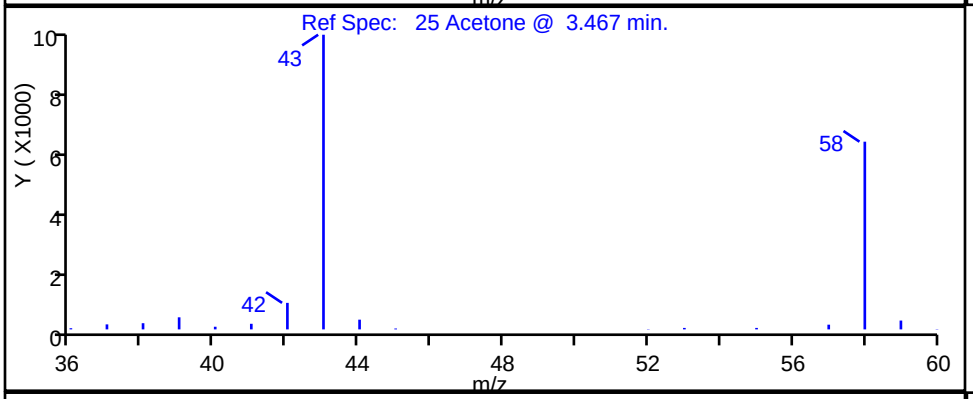
25 Acetone, CAS: 67-64-1

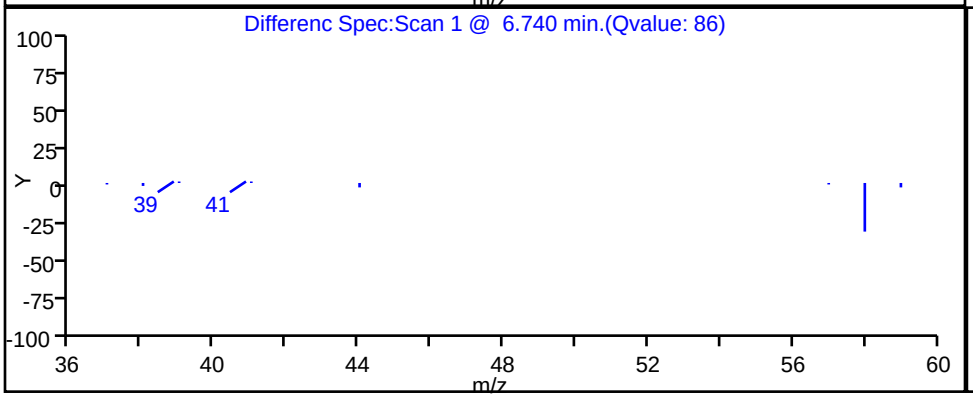


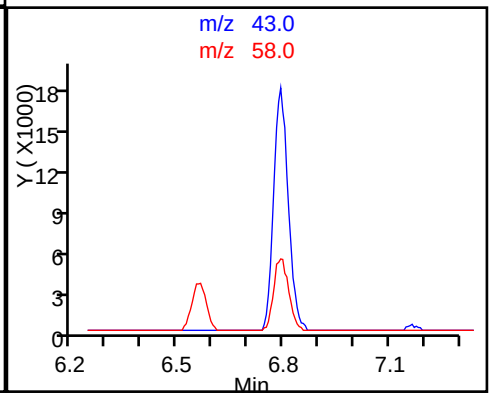












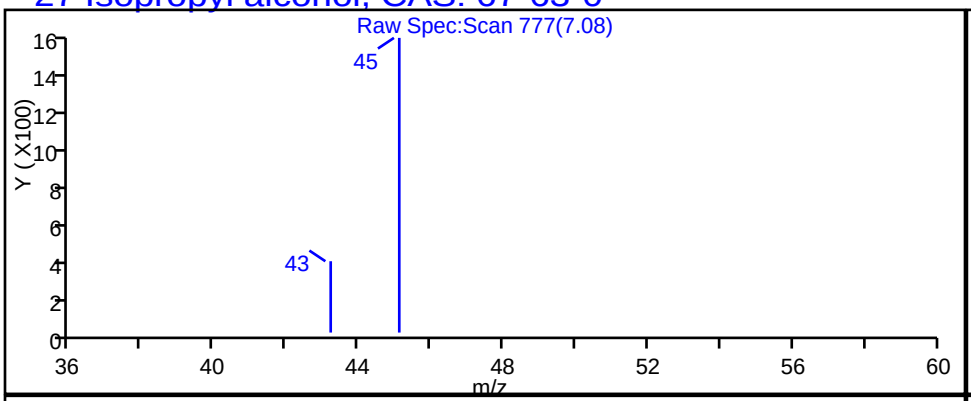
Report Date: 24-Jul-2014 10:20:47 Chrom Revision: 2.2 24-Jun-2014 07:21:42

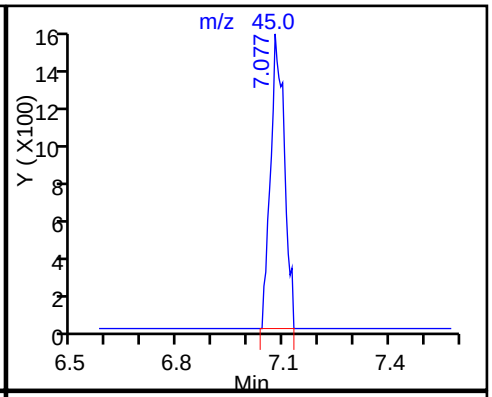
TestAmerica Burlington

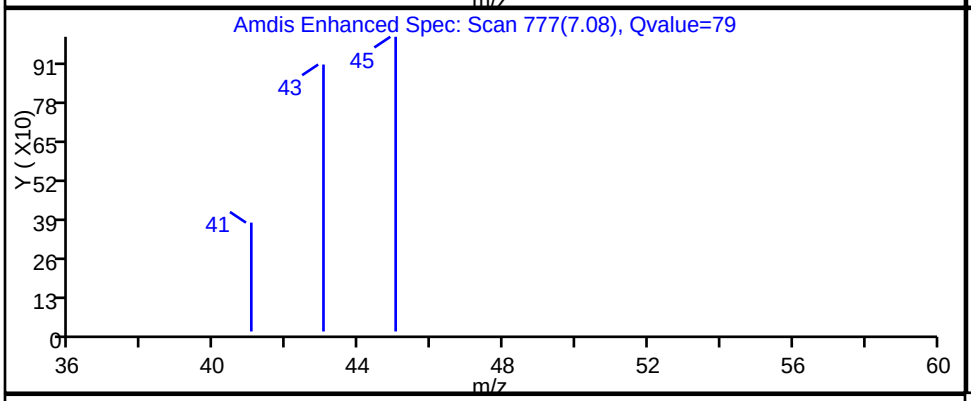
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140723-8677.b\8677_016.D

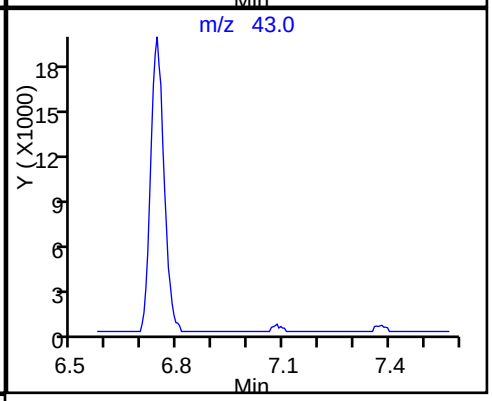
Injection Date:	23-Jul-2014 20:14:30	Instrument ID:	CHC.i		
Lims ID:	280-58003-A-9	Lab Sample ID:	200-58003-9		
Client ID:	774776OA1LA				
Operator ID:	bpl	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

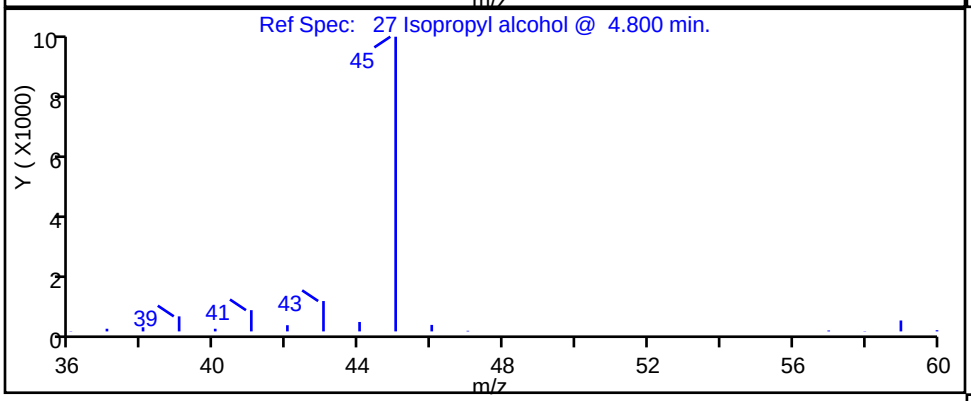
27 Isopropyl alcohol, CAS: 67-63-0

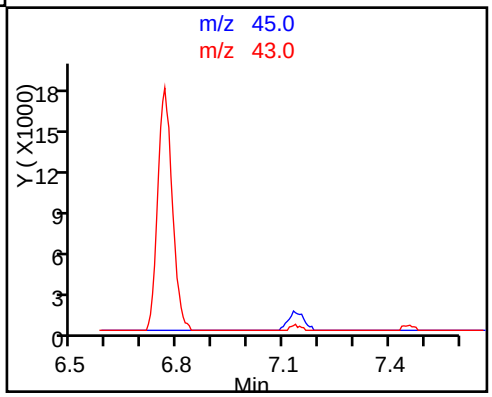












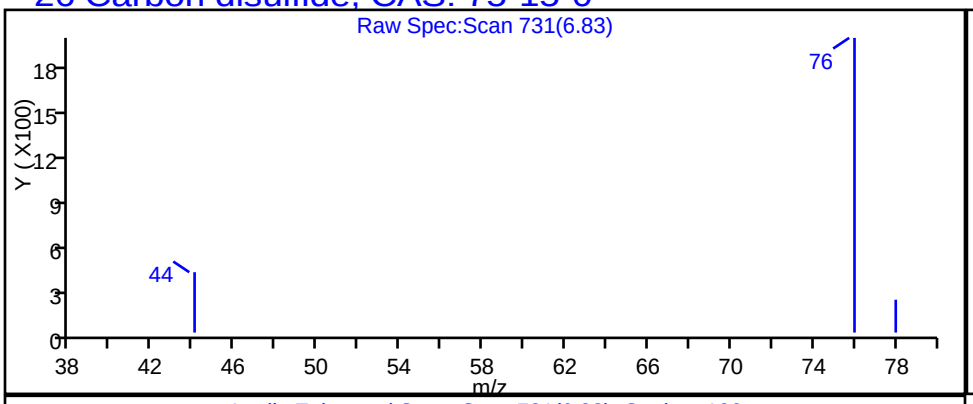
Report Date: 24-Jul-2014 10:20:47 Chrom Revision: 2.2 24-Jun-2014 07:21:42

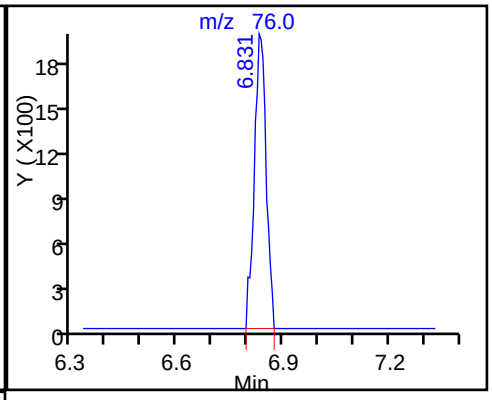
TestAmerica Burlington

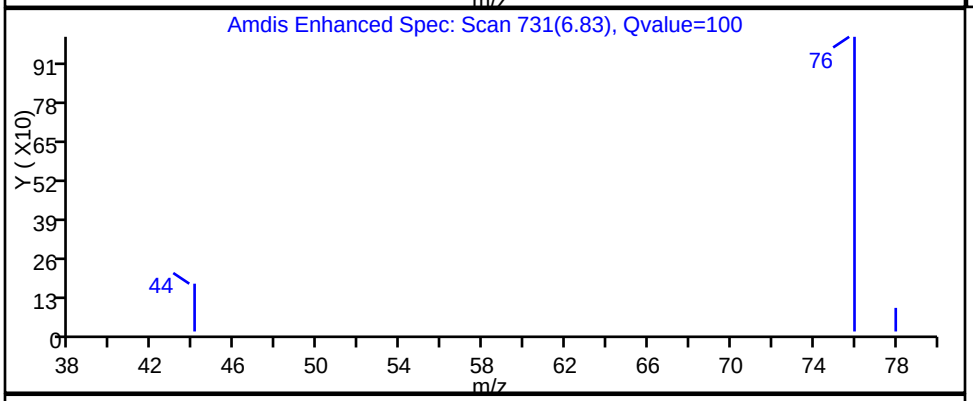
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140723-8677.b\8677_016.D

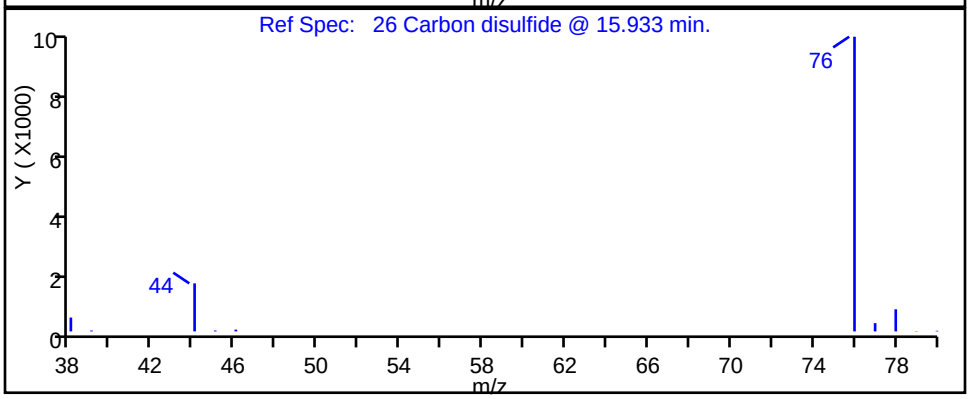
Injection Date:	23-Jul-2014 20:14:30	Instrument ID:	CHC.i		
Lims ID:	280-58003-A-9	Lab Sample ID:	200-58003-9		
Client ID:	774776OA1LA				
Operator ID:	bpl	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

26 Carbon disulfide, CAS: 75-15-0









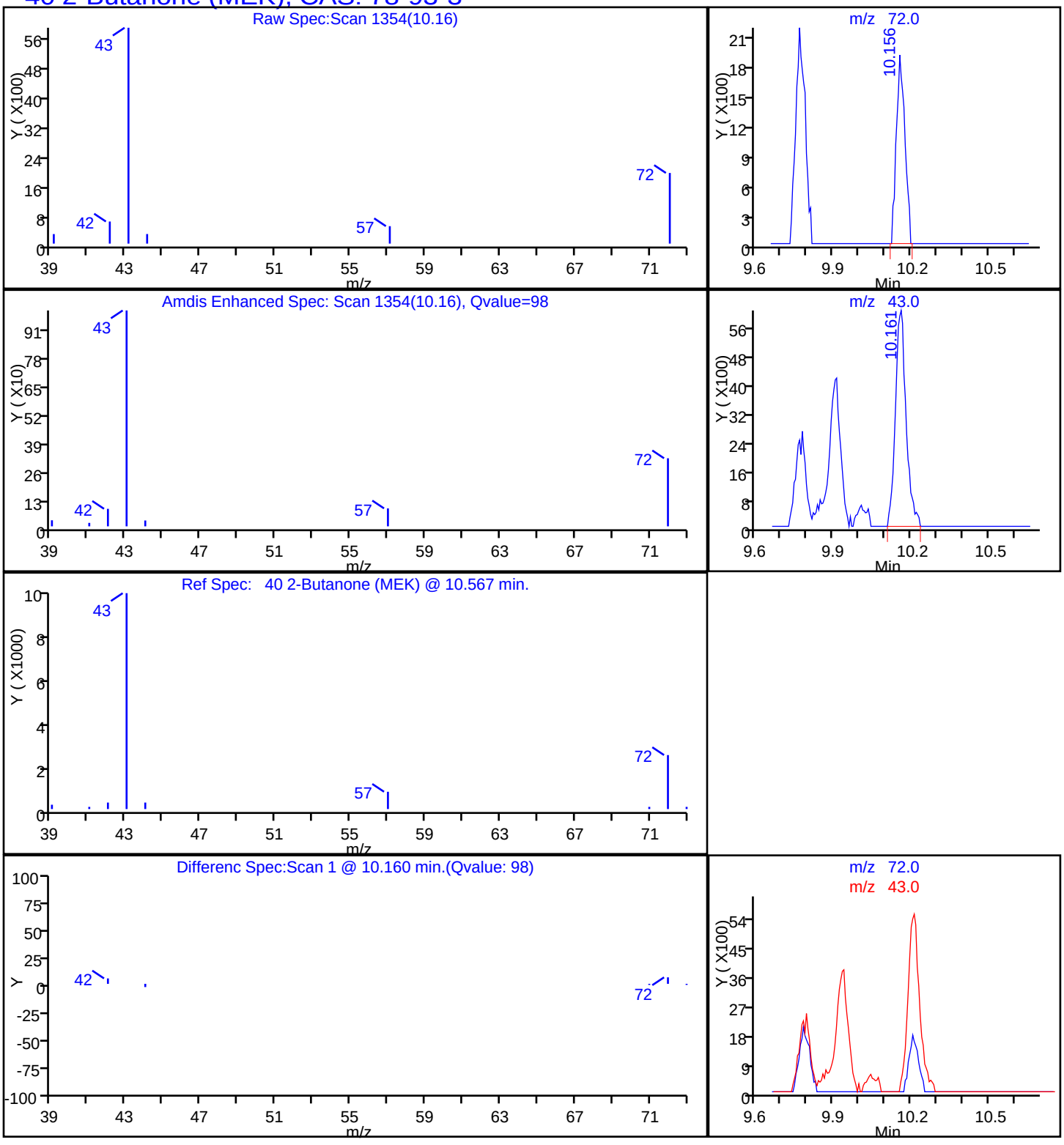
Report Date: 24-Jul-2014 10:20:47 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140723-8677.b\8677_016.D

Injection Date:	23-Jul-2014 20:14:30	Instrument ID:	CHC.i		
Lims ID:	280-58003-A-9	Lab Sample ID:	200-58003-9		
Client ID:	774776OA1LA				
Operator ID:	bpl	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

40 2-Butanone (MEK), CAS: 78-93-3

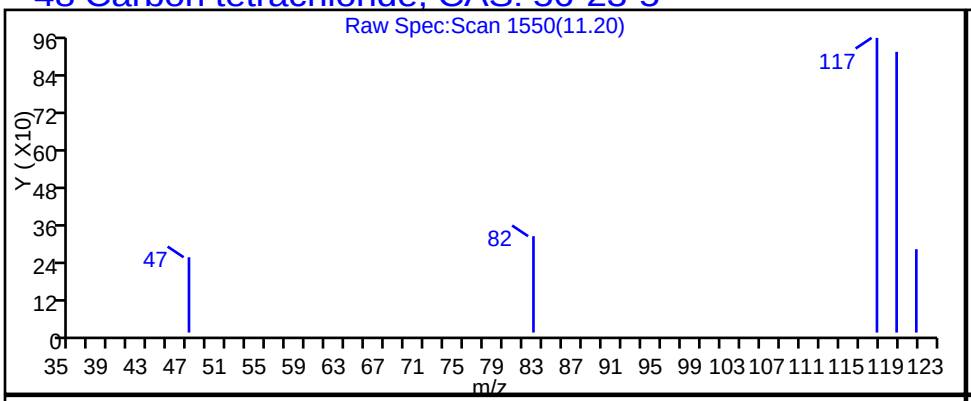


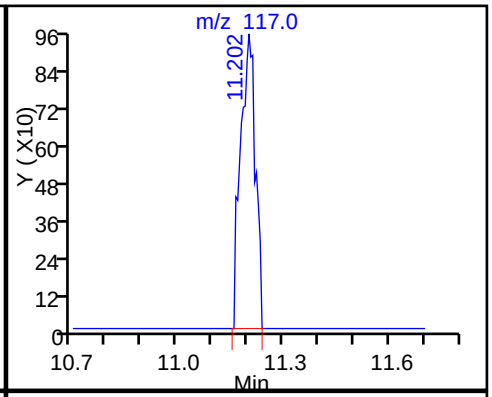
Report Date: 24-Jul-2014 10:20:47 Chrom Revision: 2.2 24-Jun-2014 07:21:42

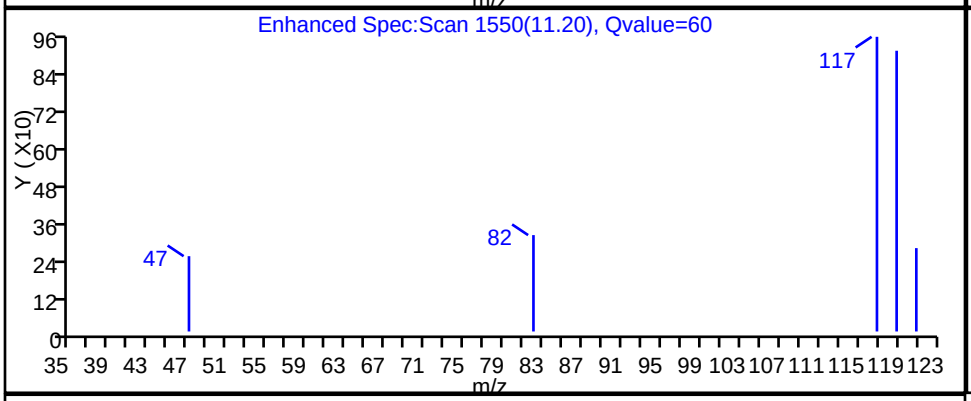
TestAmerica Burlington

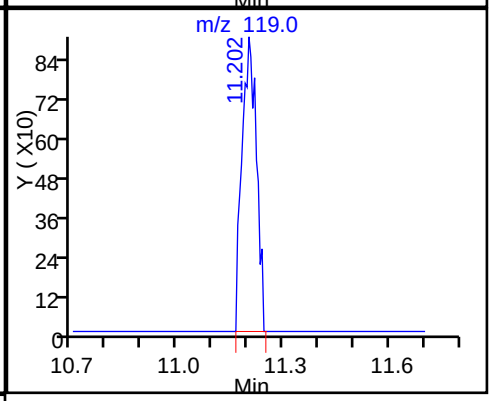
Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140723-8677.b\8677_016.D				
Injection Date:	23-Jul-2014 20:14:30	Instrument ID:	CHC.i		
Lims ID:	280-58003-A-9	Lab Sample ID:	200-58003-9		
Client ID:	774776OA1LA				
Operator ID:	bpl	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

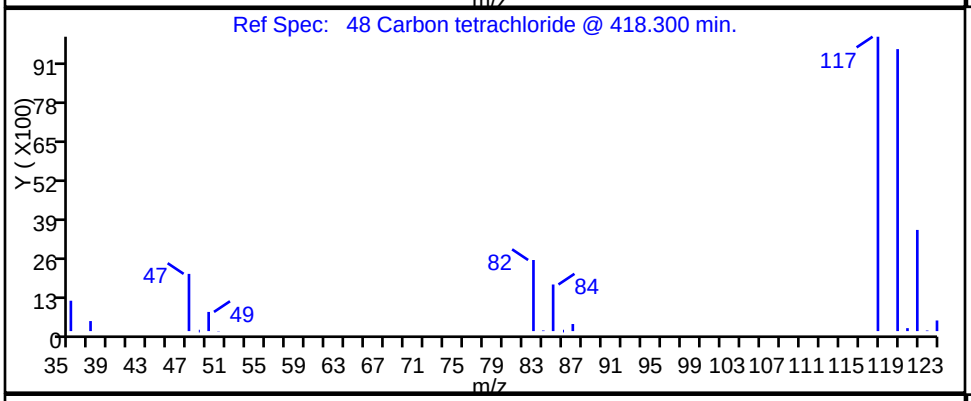
48 Carbon tetrachloride, CAS: 56-23-5

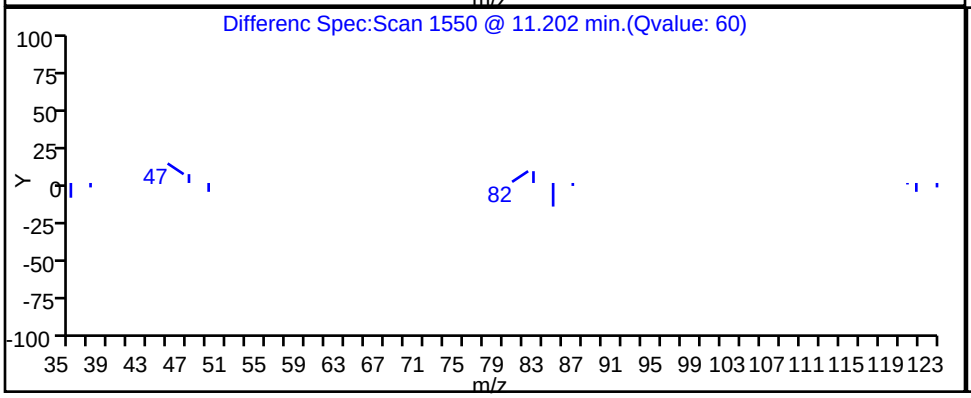


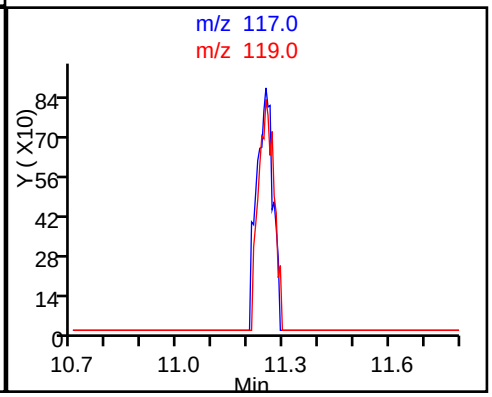












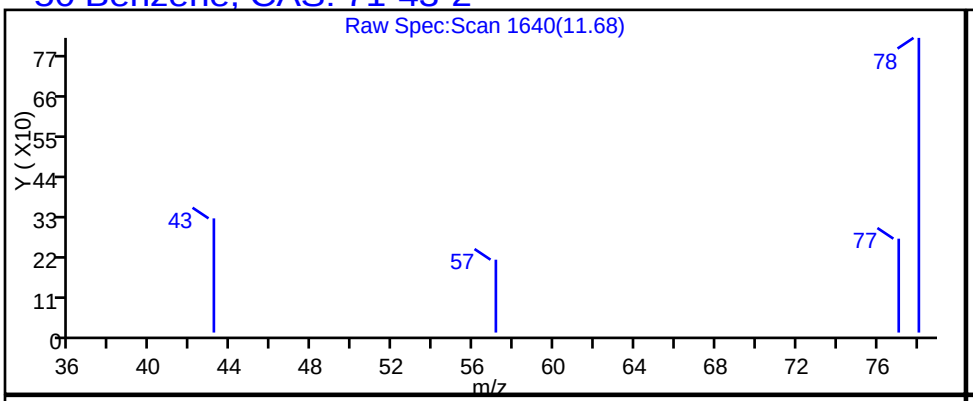
Report Date: 24-Jul-2014 10:20:47 Chrom Revision: 2.2 24-Jun-2014 07:21:42

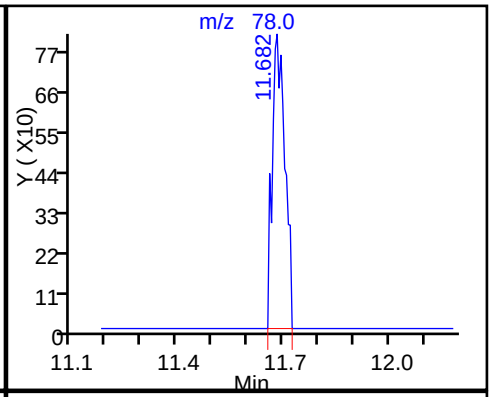
TestAmerica Burlington

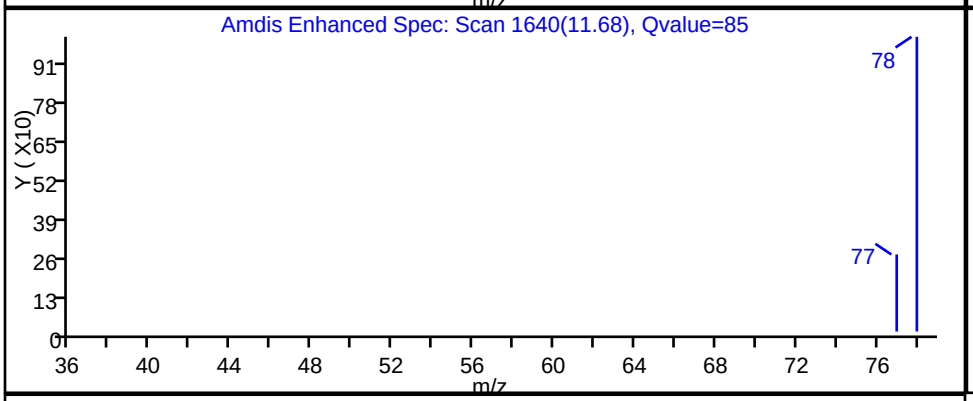
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140723-8677.b\8677_016.D

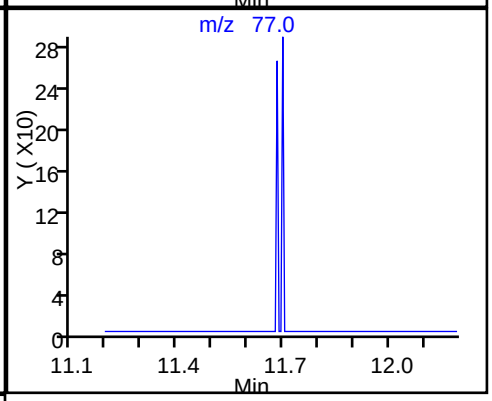
Injection Date:	23-Jul-2014 20:14:30	Instrument ID:	CHC.i		
Lims ID:	280-58003-A-9	Lab Sample ID:	200-58003-9		
Client ID:	774776OA1LA				
Operator ID:	bpl	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

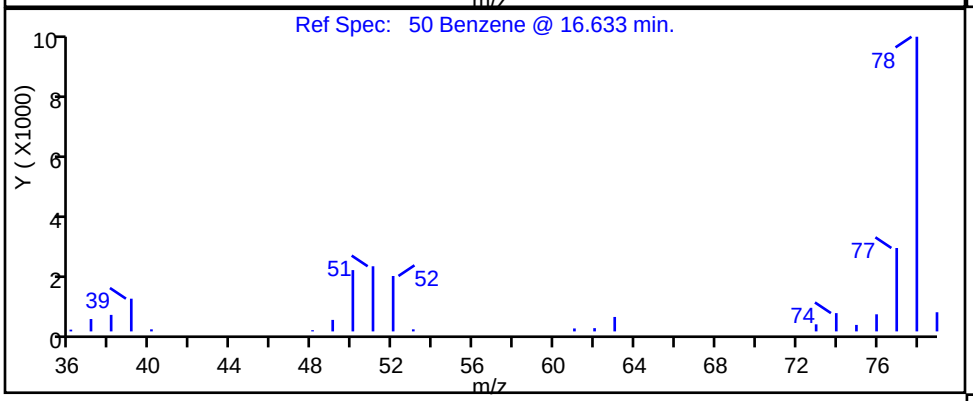
50 Benzene, CAS: 71-43-2

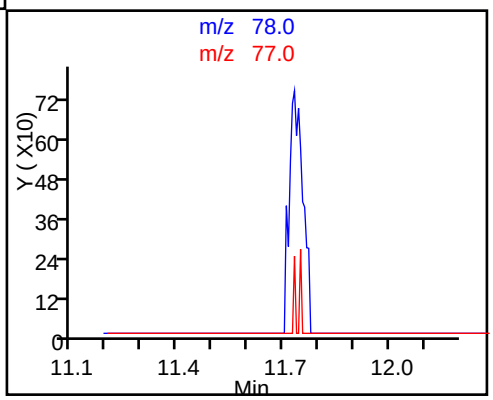












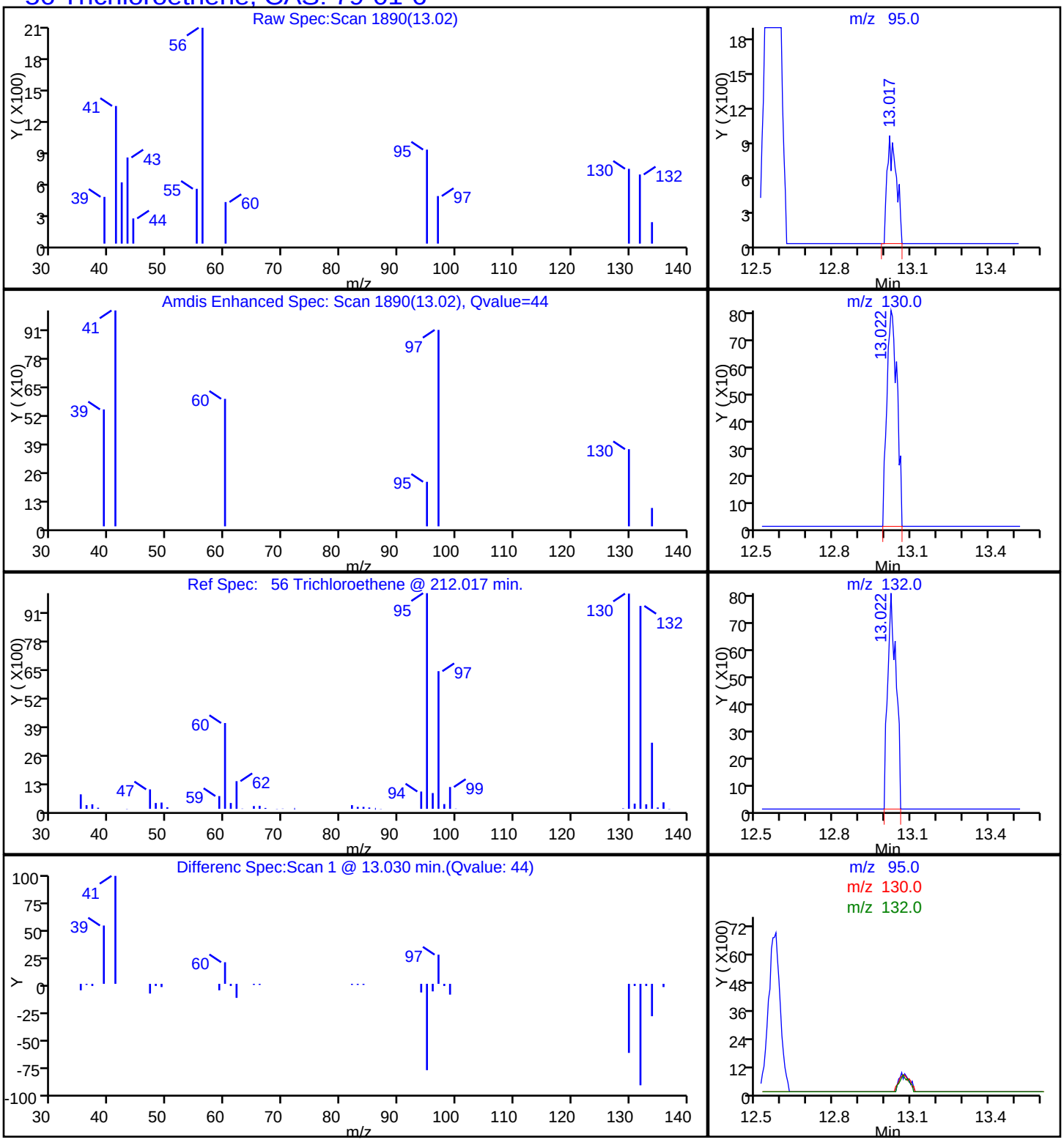
Report Date: 24-Jul-2014 10:20:47 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140723-8677.b\8677_016.D

Injection Date:	23-Jul-2014 20:14:30	Instrument ID:	CHC.i		
Lims ID:	280-58003-A-9	Lab Sample ID:	200-58003-9		
Client ID:	774776OA1LA				
Operator ID:	bpl	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

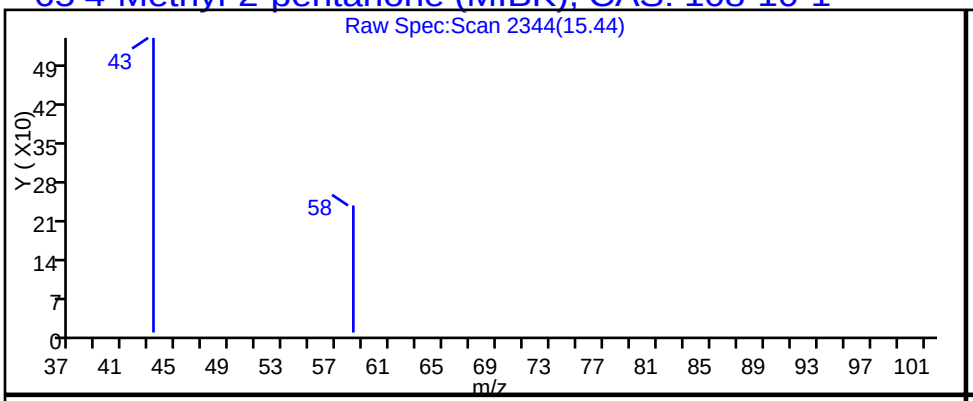
56 Trichloroethene, CAS: 79-01-6

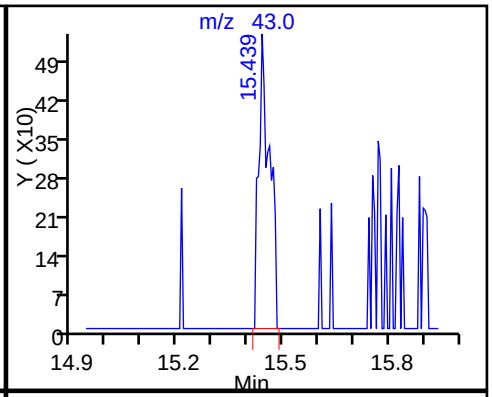


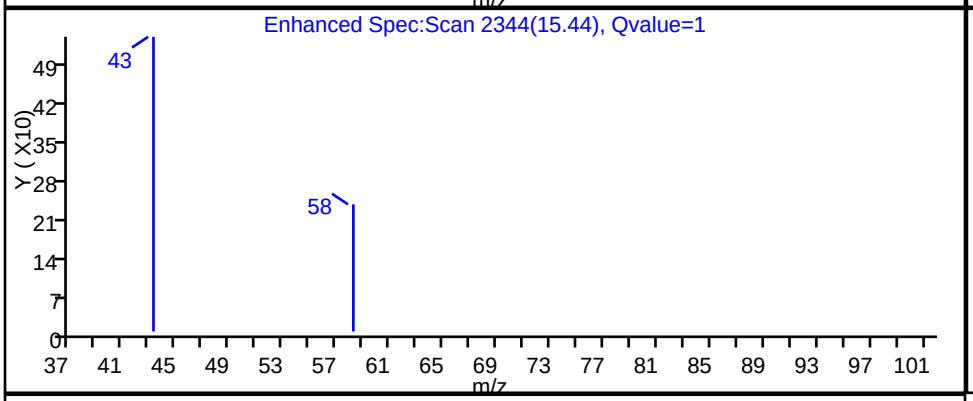
TestAmerica Burlington

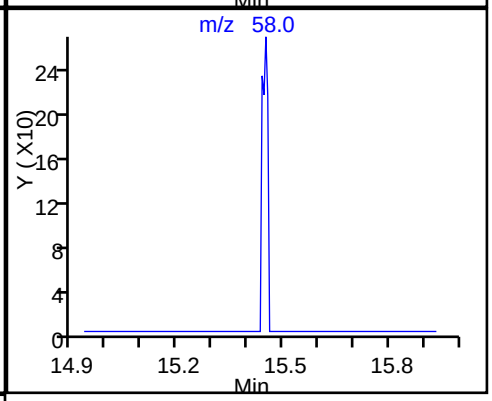
Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140723-8677.b\8677_016.D				
Injection Date:	23-Jul-2014 20:14:30	Instrument ID:	CHC.i		
Lims ID:	280-58003-A-9	Lab Sample ID:	200-58003-9		
Client ID:	774776OA1LA				
Operator ID:	bpl	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

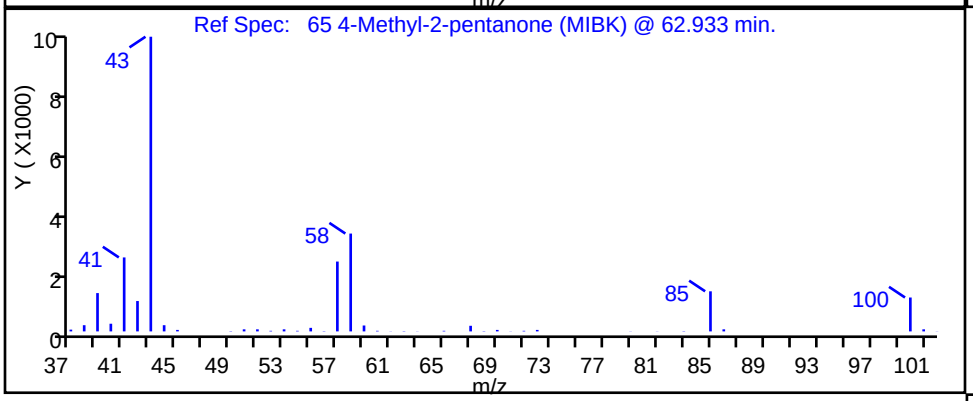
65 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

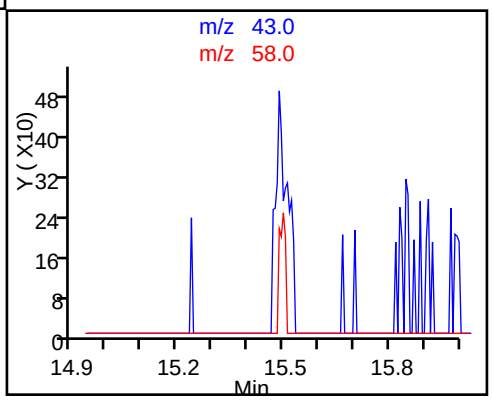












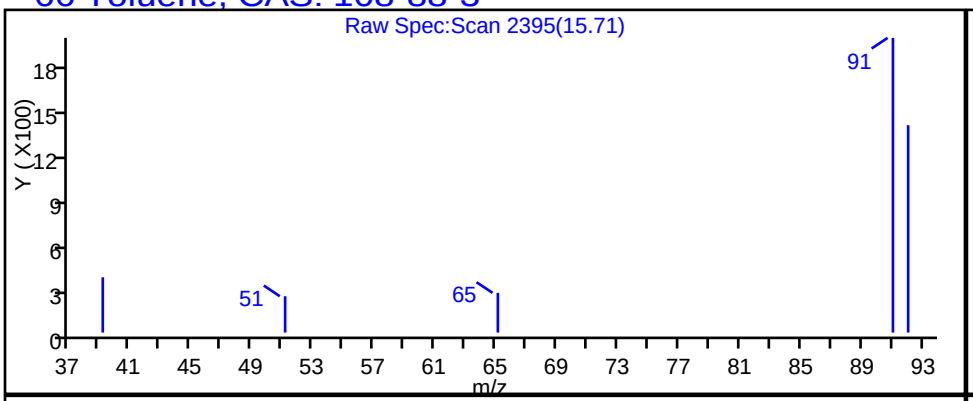
Report Date: 24-Jul-2014 10:20:47 Chrom Revision: 2.2 24-Jun-2014 07:21:42

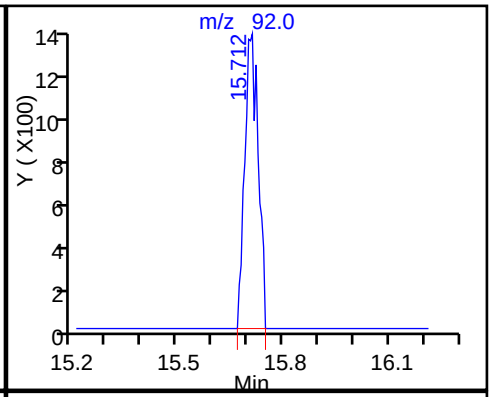
TestAmerica Burlington

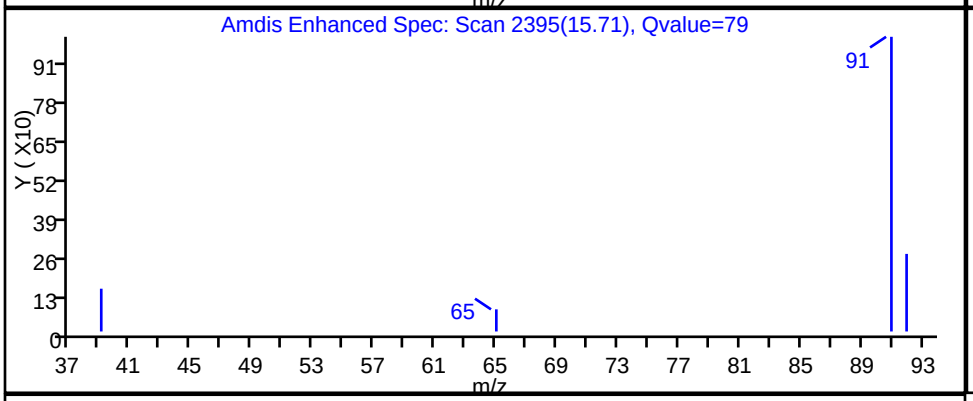
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140723-8677.b\8677_016.D

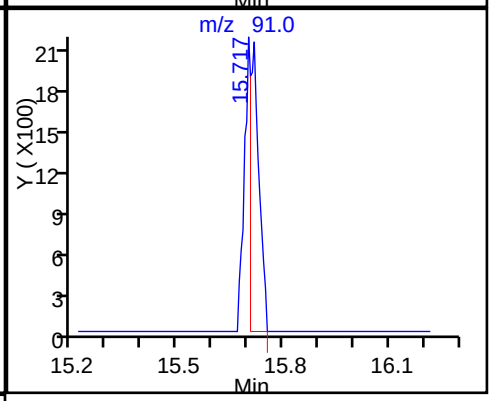
Injection Date:	23-Jul-2014 20:14:30	Instrument ID:	CHC.i		
Lims ID:	280-58003-A-9	Lab Sample ID:	200-58003-9		
Client ID:	774776OA1LA				
Operator ID:	bpl	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

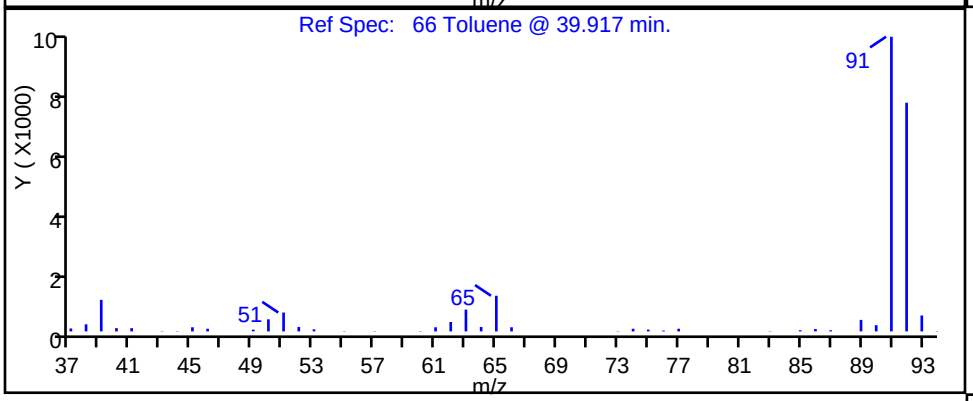
66 Toluene, CAS: 108-88-3

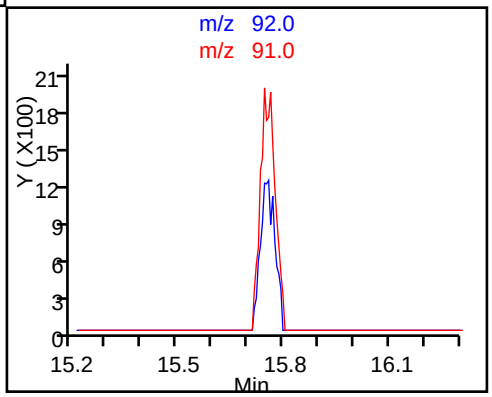












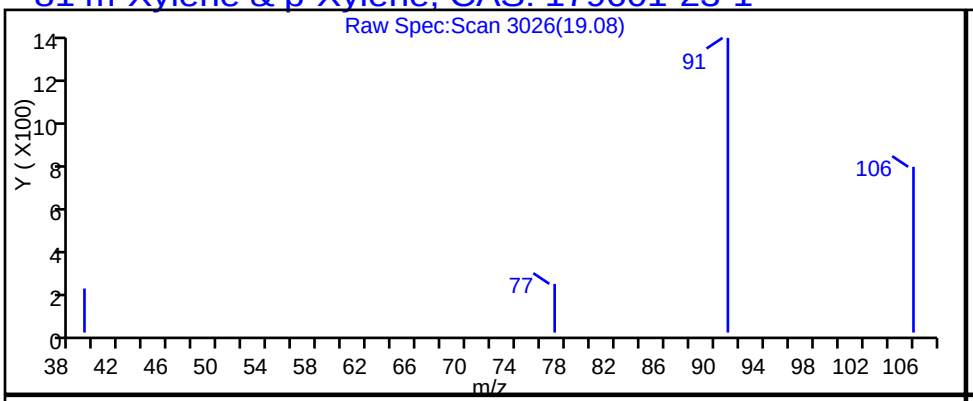
Report Date: 24-Jul-2014 10:20:47 Chrom Revision: 2.2 24-Jun-2014 07:21:42

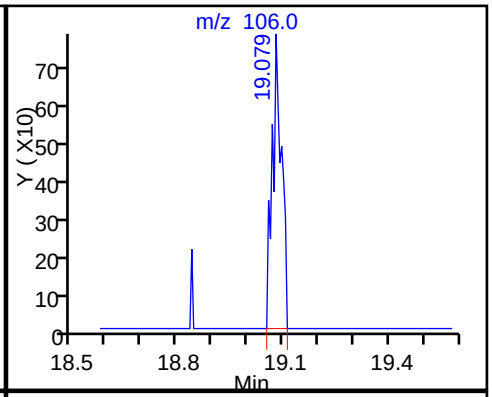
TestAmerica Burlington

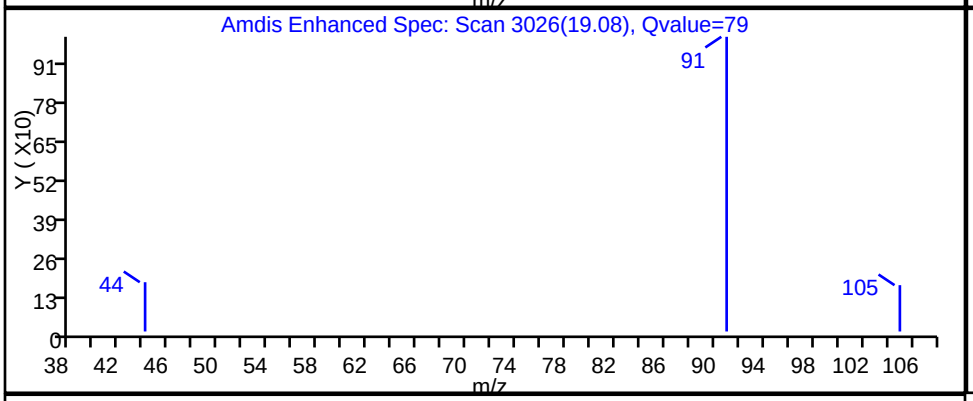
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140723-8677.b\8677_016.D

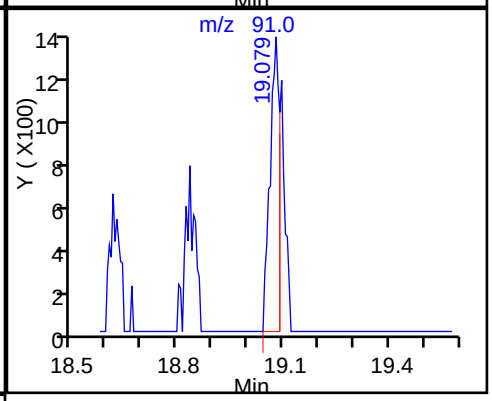
Injection Date:	23-Jul-2014 20:14:30	Instrument ID:	CHC.i		
Lims ID:	280-58003-A-9	Lab Sample ID:	200-58003-9		
Client ID:	774776OA1LA				
Operator ID:	bpl	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

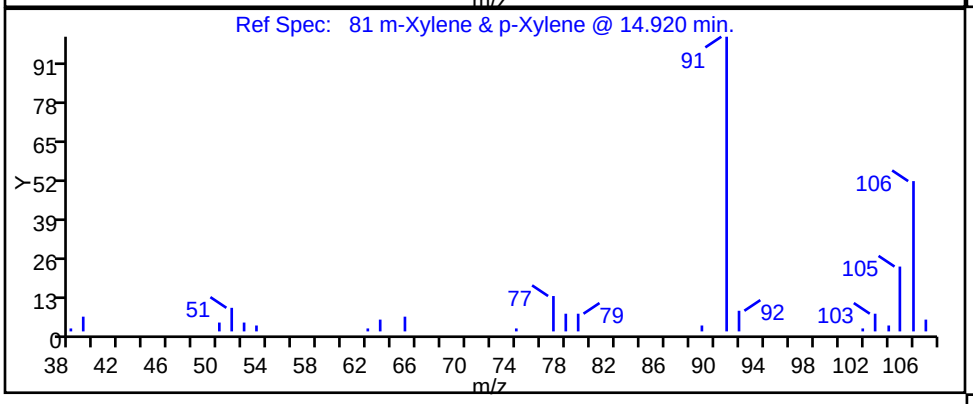
81 m-Xylene & p-Xylene, CAS: 179601-23-1

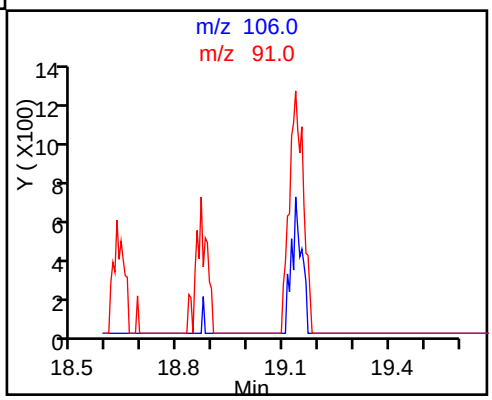












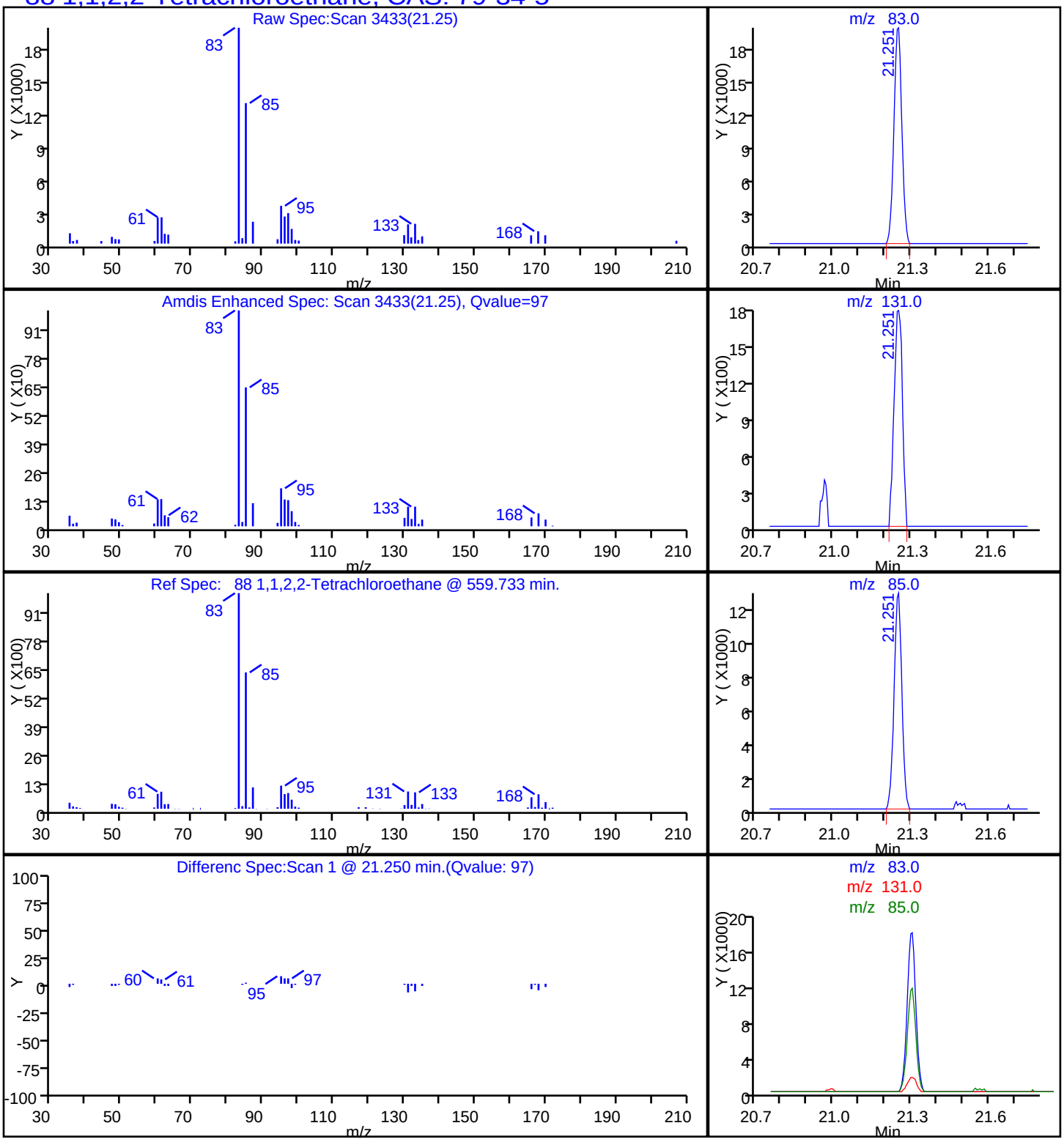
Report Date: 24-Jul-2014 10:20:47 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140723-8677.b\8677_016.D

Injection Date:	23-Jul-2014 20:14:30	Instrument ID:	CHC.i		
Lims ID:	280-58003-A-9	Lab Sample ID:	200-58003-9		
Client ID:	774776OA1LA				
Operator ID:	bpl	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

88 1,1,2,2-Tetrachloroethane, CAS: 79-34-5



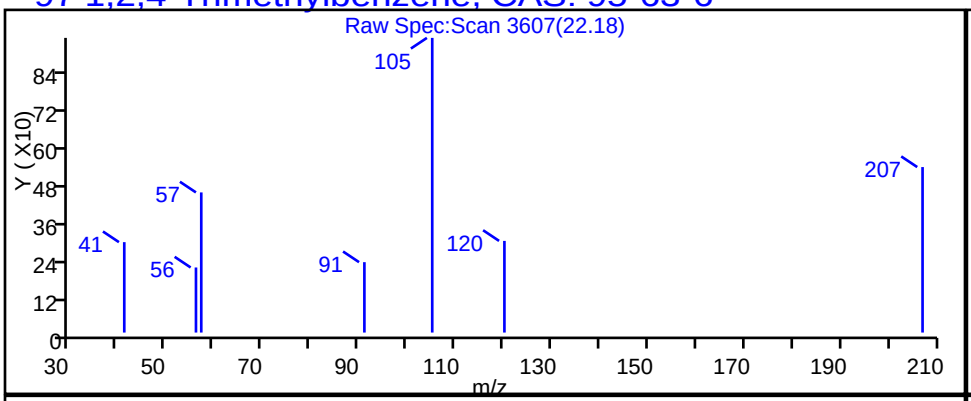
Report Date: 24-Jul-2014 10:20:47 Chrom Revision: 2.2 24-Jun-2014 07:21:42

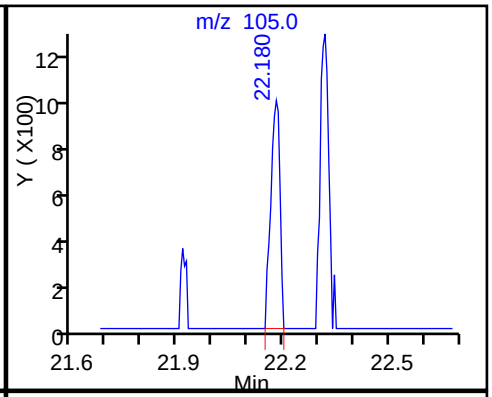
TestAmerica Burlington

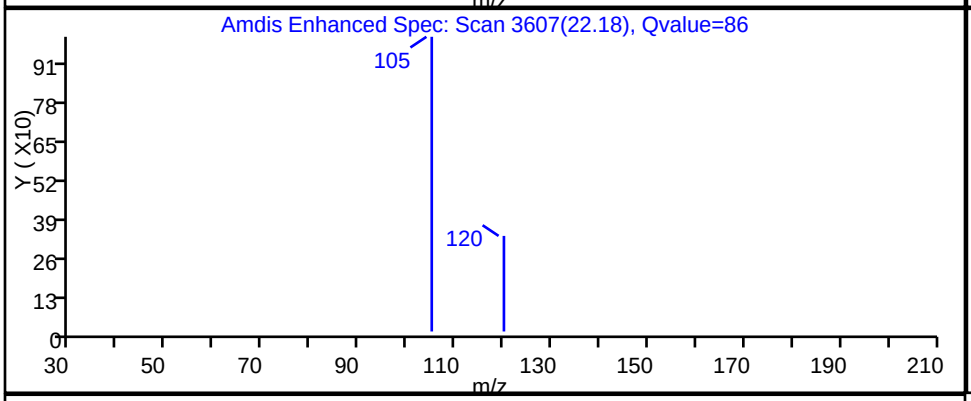
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140723-8677.b\8677_016.D

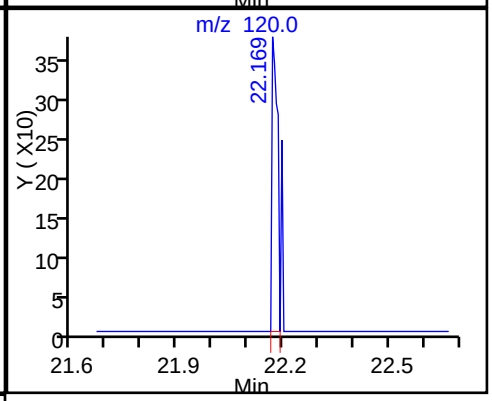
Injection Date:	23-Jul-2014 20:14:30	Instrument ID:	CHC.i		
Lims ID:	280-58003-A-9	Lab Sample ID:	200-58003-9		
Client ID:	774776OA1LA				
Operator ID:	bpl	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

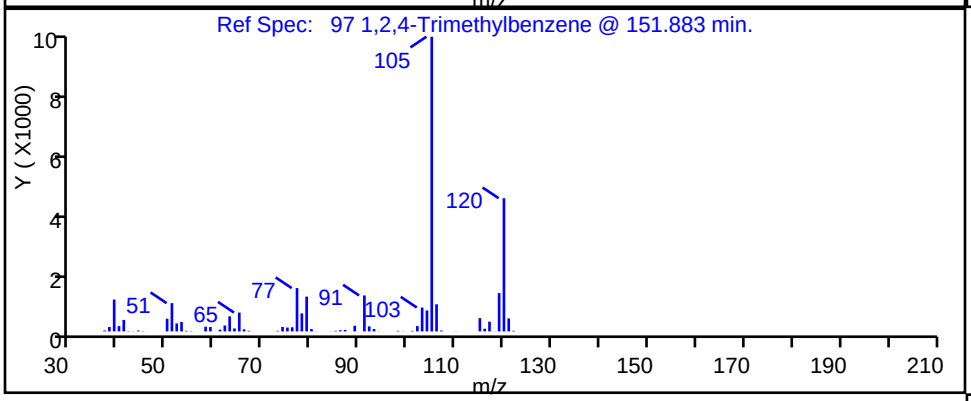
97 1,2,4-Trimethylbenzene, CAS: 95-63-6

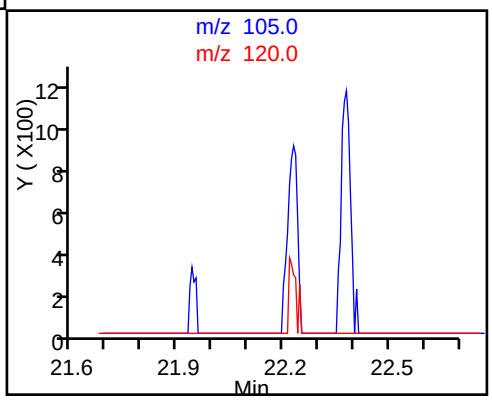












Manual Integration/User Assign Peak Report

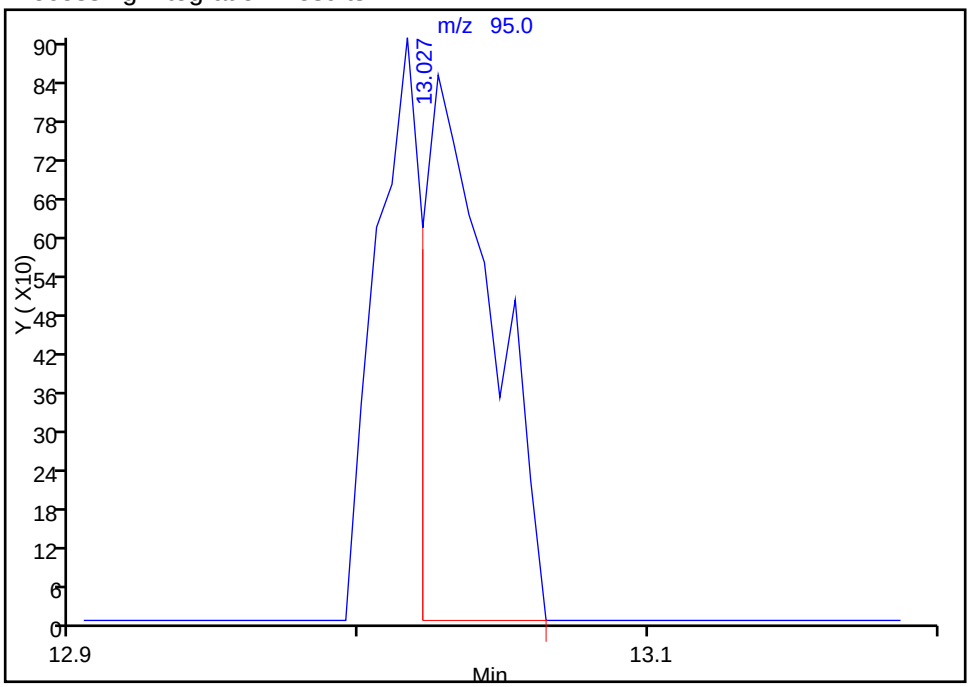
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140723-8677.b\8677_016.D				
Injection Date:	23-Jul-2014 20:14:30	Instrument ID:	CHC.i		
Lims ID:	280-58003-A-9	Lab Sample ID:	200-58003-9		
Client ID:	774776OA1LA				
Operator ID:	bpl	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

56 Trichloroethene, CAS: 79-01-6

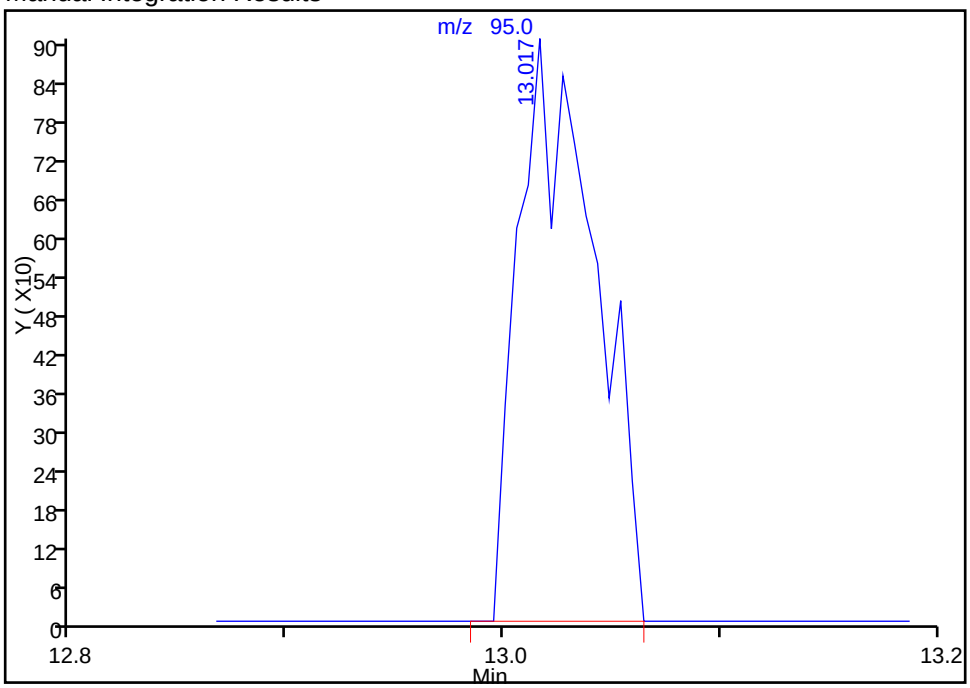
Processing Integration Results

RT: 13.03
Response: 1427
Amount: 0.063381



Manual Integration Results

RT: 13.02
Response: 2238
Amount: 0.099402



Reviewer: lyonsb, 24-Jul-2014 09:52:25
Audit Action: Manually Integrated
Audit Reason: Baseline Event

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

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Client Sample ID: 776IA1LA Lab Sample ID: 280-58003-10

Matrix: Air Lab File ID: 8677_017.D

Analysis Method: TO-15 Date Collected: 07/17/2014 08:50

Sample wt/vol: 200(mL) Date Analyzed: 07/23/2014 21:08

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.: 75211 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	0.63		0.50	0.030
75-45-6	Freon 22	86.47	8.4		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	0.63		0.50	0.14
106-97-8	n-Butane	58.12	0.33	J	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	0.26		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	8.4		5.0	1.3
67-63-0	Isopropyl alcohol	60.10	6.2		5.0	0.22
75-15-0	Carbon disulfide	76.14	0.26	J	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	0.18	J	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	0.67		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	0.060	J	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	J	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	0.057	J	0.20	0.019
107-06-2	1,2-Dichloroethane	98.96	0.067	J	0.20	0.017

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

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Client Sample ID: 776IA1LA Lab Sample ID: 280-58003-10

Matrix: Air Lab File ID: 8677_017.D

Analysis Method: TO-15 Date Collected: 07/17/2014 08:50

Sample wt/vol: 200(mL) Date Analyzed: 07/23/2014 21:08

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.: 75211 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	0.18	J	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	0.35	J	0.50	0.027
108-88-3	Toluene	92.14	0.30		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	0.072	J	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	0.25	J	0.50	0.023
95-47-6	Xylene, o-	106.17	0.082	J	0.20	0.016
1330-20-7	Xylene (total)	106.17	0.33		0.20	0.034
100-42-5	Styrene	104.15	0.081	J	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	0.018	J	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	0.065	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.: 280-58003-1

SDG No.:

Client Sample ID: 776IA1LA Lab Sample ID: 280-58003-10

Matrix: Air Lab File ID: 8677_017.D

Analysis Method: TO-15 Date Collected: 07/17/2014 08:50

Sample wt/vol: 200(mL) Date Analyzed: 07/23/2014 21:08

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.: 75211 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.: 280-58003-1

SDG No.:

Client Sample ID: 776IA1LA Lab Sample ID: 280-58003-10

Matrix: Air Lab File ID: 8677_017.D

Analysis Method: TO-15 Date Collected: 07/17/2014 08:50

Sample wt/vol: 200(mL) Date Analyzed: 07/23/2014 21:08

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.: 75211 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	3.1		2.5	0.15
75-45-6	Freon 22	86.47	30		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	1.3		1.0	0.28
106-97-8	n-Butane	58.12	0.77	J	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	1.5		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	20		12	3.0
67-63-0	Isopropyl alcohol	60.10	15		12	0.53
75-15-0	Carbon disulfide	76.14	0.82	J	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	0.64	J	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	2.0		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	0.29	J	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	0.51	J	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	0.18	J	0.64	0.061
107-06-2	1,2-Dichloroethane	98.96	0.27	J	0.81	0.069

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

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Client Sample ID: 776IA1LA Lab Sample ID: 280-58003-10

Matrix: Air Lab File ID: 8677_017.D

Analysis Method: TO-15 Date Collected: 07/17/2014 08:50

Sample wt/vol: 200(mL) Date Analyzed: 07/23/2014 21:08

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.: 75211 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	0.95	J	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	1.5	J	2.0	0.11
108-88-3	Toluene	92.14	1.1		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	0.33	J	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	1.1	J	2.2	0.10
95-47-6	Xylene, o-	106.17	0.36	J	0.87	0.069
1330-20-7	Xylene (total)	106.17	1.4		0.87	0.15
100-42-5	Styrene	104.15	0.35	J	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	0.090	J	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	0.32	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.: 280-58003-1

SDG No.:

Client Sample ID: 776IA1LA Lab Sample ID: 280-58003-10

Matrix: Air Lab File ID: 8677_017.D

Analysis Method: TO-15 Date Collected: 07/17/2014 08:50

Sample wt/vol: 200(mL) Date Analyzed: 07/23/2014 21:08

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.: 75211 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\CHC.i\20140723-8677.b\8677_017.D
Lims ID: 280-58003-A-10 Lab Sample ID: 200-58003-10
Client ID: 776IA1LA
Sample Type: Client
Inject. Date: 23-Jul-2014 21:08:30 ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0008677-017
Misc. Info.: 280-58003-A-10
Operator ID: bpl Instrument ID: CHC.i

Method: \\BTV-LIMS1\ChromData\CHC.i\20140723-8677.b\TO15_LLNJ_TO3_CHC.m
Limit Group: AI_TO15_ICAL
Last Update: 24-Jul-2014 10:20:24 Calib Date: 18-Jul-2014 09:36:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\8605_018.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK034

First Level Reviewer: lyonsb Date: 24-Jul-2014 09:53:45

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	3.068	3.079	-0.011	99	19955	0.6275	
6 Chlorodifluoromethane	51	3.122	3.132	-0.010	97	118882	8.35	
7 1,2-Dichloro-1,1,2,2-tetra	85		3.351				ND	
8 Chloromethane	50	3.479	3.495	-0.016	97	4751	0.6281	
9 Butane	43	3.688	3.698	-0.010	94	3994	0.3254	
10 Vinyl chloride	62		3.746				ND	
11 Butadiene	54		3.832				ND	
12 Bromomethane	94		4.536				ND	
13 Chloroethane	64		4.792				ND	
15 Vinyl bromide	106		5.192				ND	
16 Trichlorofluoromethane	101	5.289	5.294	-0.005	98	8992	0.2645	
23 1,1,2-Trichloro-1,2,2-trif	101		6.425				ND	
24 1,1-Dichloroethene	96		6.463				ND	
25 Acetone	43	6.730	6.740	-0.010	86	104042	8.41	
26 Carbon disulfide	76	6.831	6.842	-0.011	99	6930	0.2639	
27 Isopropyl alcohol	45	7.060	7.071	-0.011	97	61504	6.23	
29 3-Chloro-1-propene	41		7.285				ND	
31 Methylene Chloride	49	7.589	7.589	0.000	90	1598	0.1828	
32 2-Methyl-2-propanol	59		7.861				ND	
33 Methyl tert-butyl ether	73		8.005				ND	
34 trans-1,2-Dichloroethene	61		8.037				ND	
36 Hexane	57		8.427				ND	
37 1,1-Dichloroethane	63		8.934				ND	
39 cis-1,2-Dichloroethene	96		10.081				ND	
40 2-Butanone (MEK)	72	10.151	10.156	-0.005	99	3634	0.6664	
S 41 1,2-Dichloroethene, Total	61		10.200				0	
* 43 Chlorobromomethane	128	10.545	10.551	-0.006	88	102673	10.0	
44 Tetrahydrofuran	42		10.567				ND	
45 Chloroform	83	10.690	10.695	-0.005	70	1669	0.0601	
46 Cyclohexane	84		10.919				ND	
47 1,1,1-Trichloroethane	97		10.956				ND	

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
	48 Carbon tetrachloride	117	11.197	11.207	-0.010	83	2936	0.0803	
	51 Isooctane	57		11.655				ND	
	50 Benzene	78	11.693	11.693	0.000	1	2340	0.0569	
	52 1,2-Dichloroethane	62	11.874	11.896	-0.022	1	1556	0.0668	
	53 n-Heptane	43		12.061				ND	
*	54 1,4-Difluorobenzene	114	12.563	12.568	-0.005	96	648616	10.0	
	56 Trichloroethene	95	13.022	13.032	-0.010	88	3974	0.1764	
	58 1,2-Dichloropropane	63		13.614				ND	
	59 Methyl methacrylate	69		13.801				ND	
	60 1,4-Dioxane	88		13.860				ND	
	62 Dichlorobromomethane	83		14.180				ND	
	64 cis-1,3-Dichloropropene	75		15.130				ND	
	65 4-Methyl-2-pentanone (MIBK	43	15.434	15.434	0.000	96	14918	0.3541	
	66 Toluene	92	15.696	15.712	-0.016	93	10937	0.3027	
	70 trans-1,3-Dichloropropene	75		16.331				ND	
	71 1,1,2-Trichloroethane	83		16.704				ND	
	72 Tetrachloroethene	166		16.790				ND	
	73 2-Hexanone	43		17.163				ND	
	74 Chlorodibromomethane	129		17.462				ND	
	75 Ethylene Dibromide	107		17.729				ND	
*	76 Chlorobenzene-d5	117	18.620	18.620	0.000	90	638086	10.0	
	77 Chlorobenzene	112	18.679	18.684	-0.005	91	3432	0.0722	
	78 Ethylbenzene	91	18.834	18.834	0.000	95	8325	0.1034	
	81 m-Xylene & p-Xylene	106	19.074	19.084	-0.010	98	7460	0.2491	
	83 o-Xylene	106	19.917	19.922	-0.005	92	2554	0.0818	
	84 Styrene	104	19.976	19.976	0.000	89	3638	0.0814	
S	82 Xylenes, Total	106				0		0.3309	
	85 Bromoform	173		20.392				ND	
	86 Isopropylbenzene	105		20.595				ND	
$	87 4-Bromofluorobenzene	95	20.958	20.963	-0.005	81	503363	NC	
	88 1,1,2,2-Tetrachloroethane	83		21.251				ND	
	90 N-Propylbenzene	91		21.310				ND	
	91 4-Ethyltoluene	105	21.497	21.497	0.000	92	1510	0.0183	
	92 2-Chlorotoluene	91		21.502				ND	
	94 1,3,5-Trimethylbenzene	105		21.603				ND	
	96 tert-Butylbenzene	119		22.084				ND	
	97 1,2,4-Trimethylbenzene	105	22.175	22.180	-0.005	95	4861	0.0647	
	98 sec-Butylbenzene	105		22.404				ND	
	99 4-Isopropyltoluene	119		22.607				ND	
	100 1,3-Dichlorobenzene	146		22.633				ND	
	101 1,4-Dichlorobenzene	146		22.772				ND	
	102 Benzyl chloride	91		22.970				ND	
	103 n-Butylbenzene	91		23.173				ND	
	105 1,2-Dichlorobenzene	146		23.301				ND	
	107 1,2,4-Trichlorobenzene	180		25.798				ND	
	108 Hexachlorobutadiene	225		25.980				ND	
	109 Naphthalene	128	26.279	26.289	-0.010	98	7721	0.1235	

QC Flag Legend

Processing Flags
NC - Not Calibrated
ND - Not Detected or Marked ND

Reagents:

ATTO15CISs_00006 Amount Added: 20.00 Units: mL Run Reagent

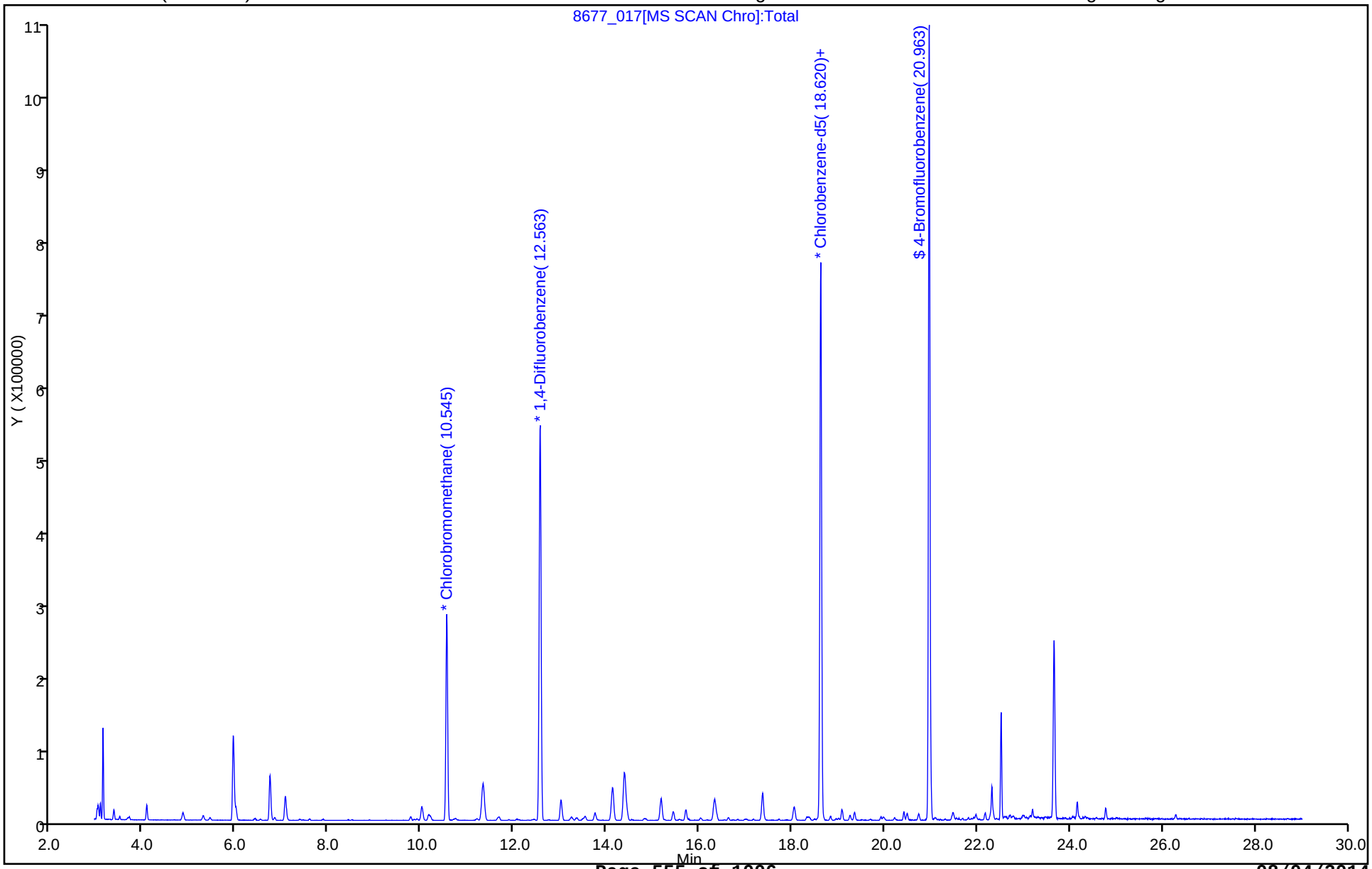
Report Date: 24-Jul-2014 10:20:48 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140723-8677.b\8677_017.D

Injection Date:	23-Jul-2014 21:08:30	Instrument ID:	CHC.i	Operator ID:	bpl
Lims ID:	280-58003-A-10	Lab Sample ID:	200-58003-10	Worklist Smp#:	17
Client ID:	776IA1LA				
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	16
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



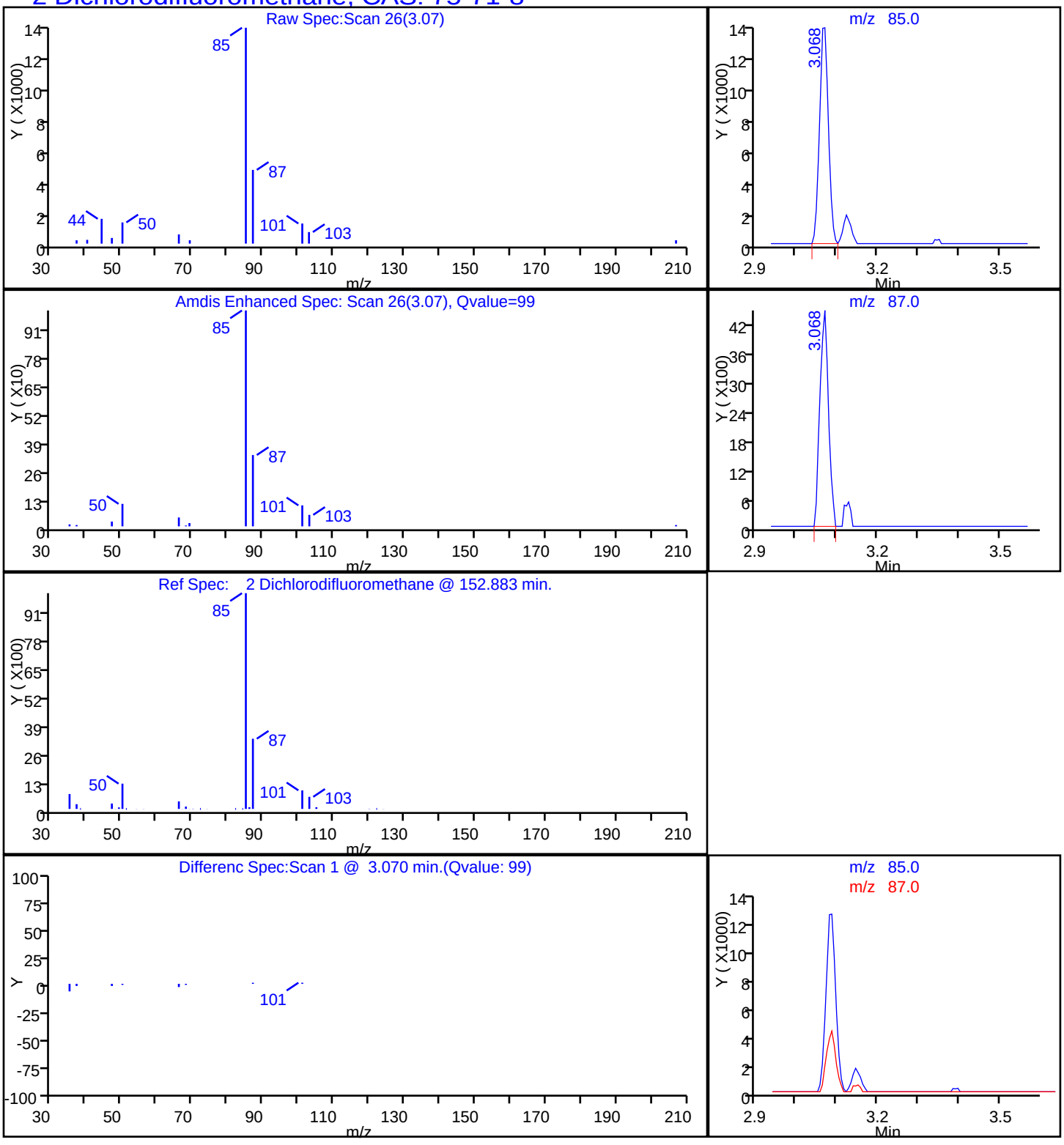
Report Date: 24-Jul-2014 10:20:49 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140723-8677.b\8677_017.D

Injection Date:	23-Jul-2014 21:08:30	Instrument ID:	CHC.i		
Lims ID:	280-58003-A-10	Lab Sample ID:	200-58003-10		
Client ID:	776IA1LA				
Operator ID:	bpl	ALS Bottle#:	16	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

2 Dichlorodifluoromethane, CAS: 75-71-8



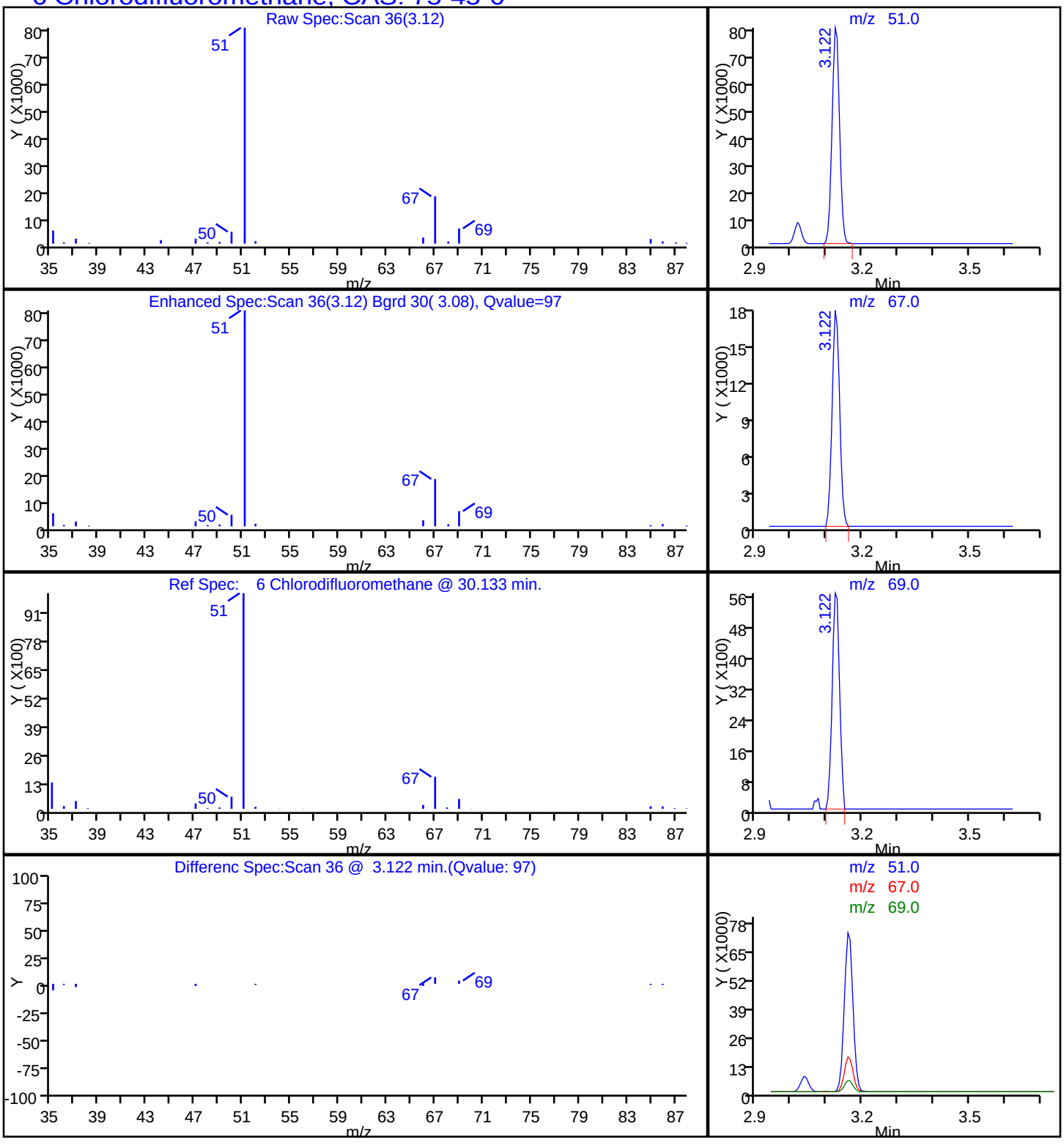
Report Date: 24-Jul-2014 10:20:49 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140723-8677.b\8677_017.D

Injection Date:	23-Jul-2014 21:08:30	Instrument ID:	CHC.i		
Lims ID:	280-58003-A-10	Lab Sample ID:	200-58003-10		
Client ID:	776IA1LA				
Operator ID:	bpl	ALS Bottle#:	16	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

6 Chlorodifluoromethane, CAS: 75-45-6

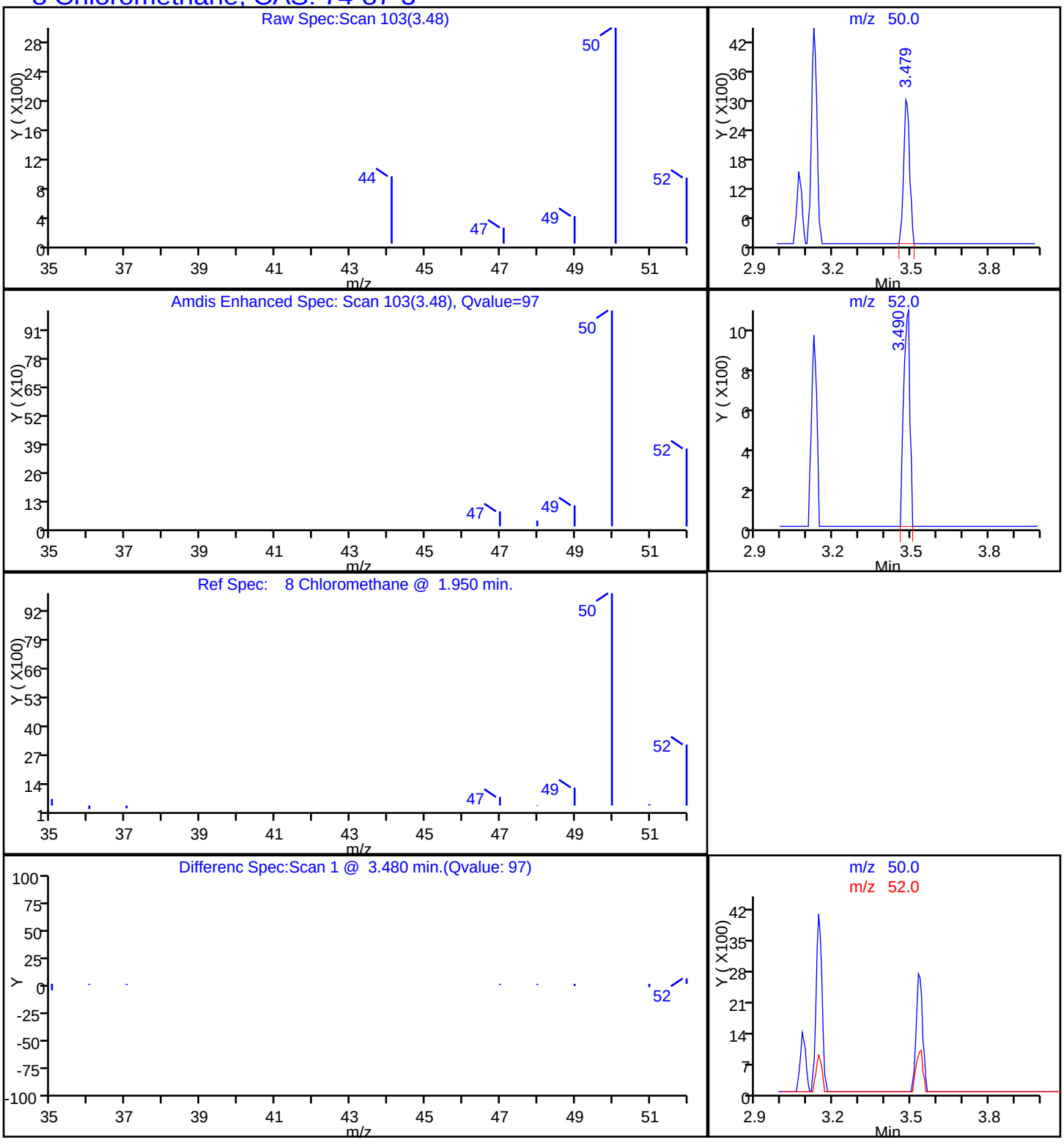


TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140723-8677.b\8677_017.D

Injection Date:	23-Jul-2014 21:08:30	Instrument ID:	CHC.i		
Lims ID:	280-58003-A-10	Lab Sample ID:	200-58003-10		
Client ID:	776IA1LA				
Operator ID:	bpl	ALS Bottle#:	16	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

8 Chloromethane, CAS: 74-87-3



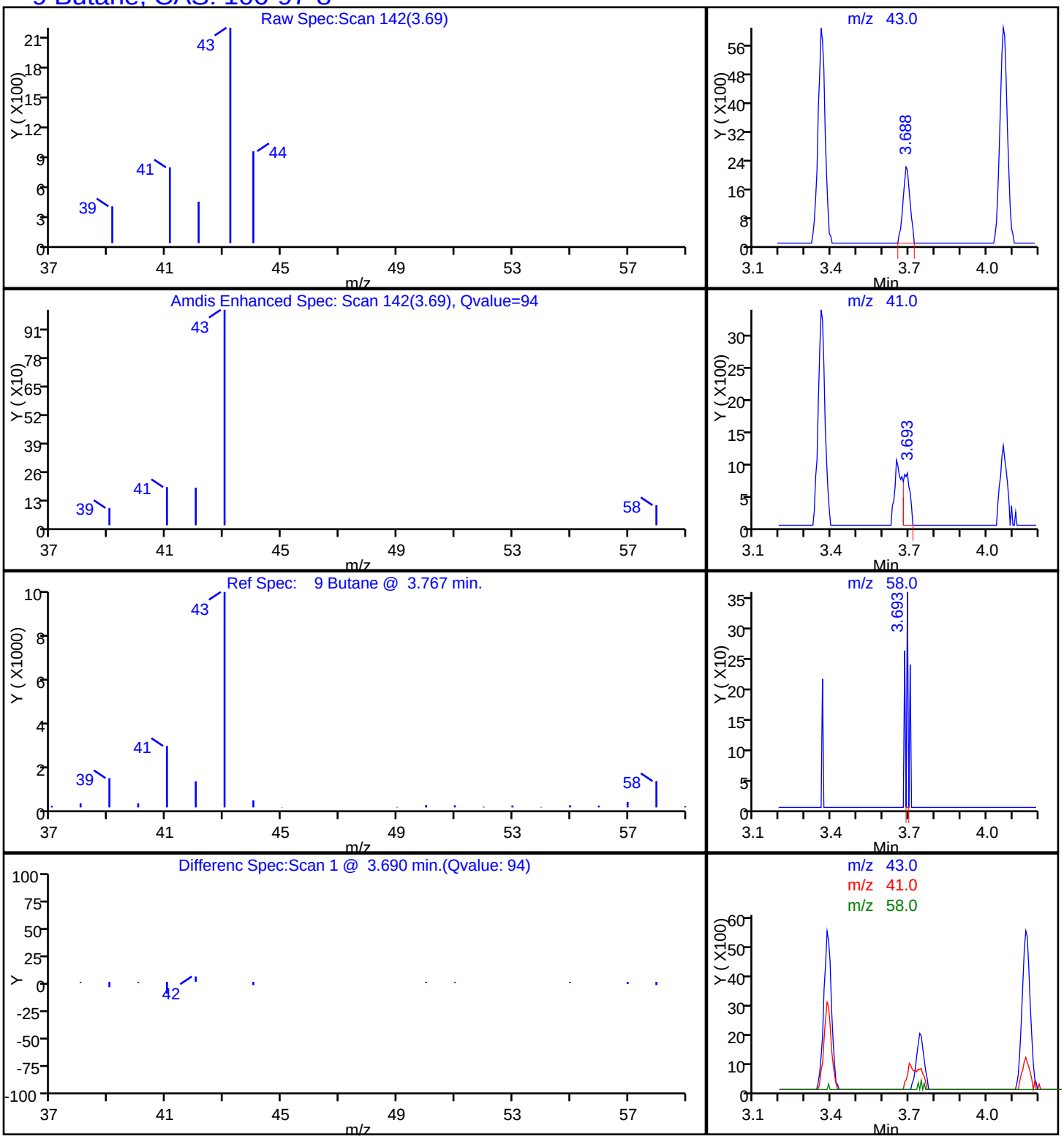
Report Date: 24-Jul-2014 10:20:49 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140723-8677.b\8677_017.D

Injection Date:	23-Jul-2014 21:08:30	Instrument ID:	CHC.i		
Lims ID:	280-58003-A-10	Lab Sample ID:	200-58003-10		
Client ID:	776IA1LA				
Operator ID:	bpl	ALS Bottle#:	16	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

9 Butane, CAS: 106-97-8



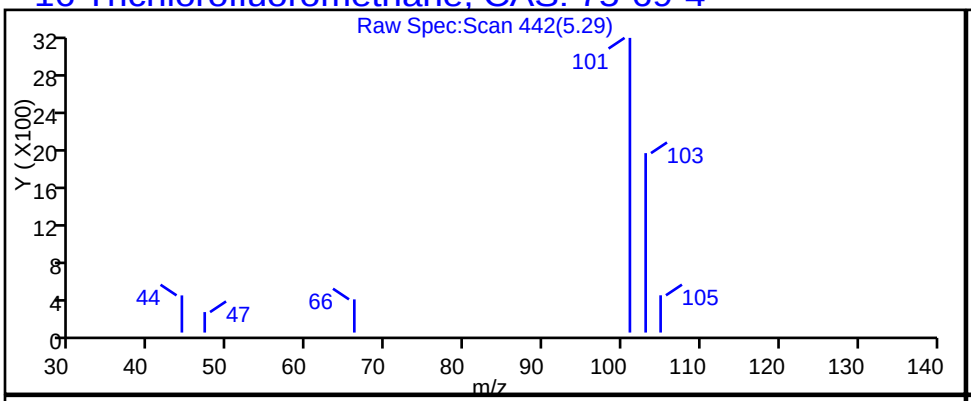
Report Date: 24-Jul-2014 10:20:49 Chrom Revision: 2.2 24-Jun-2014 07:21:42

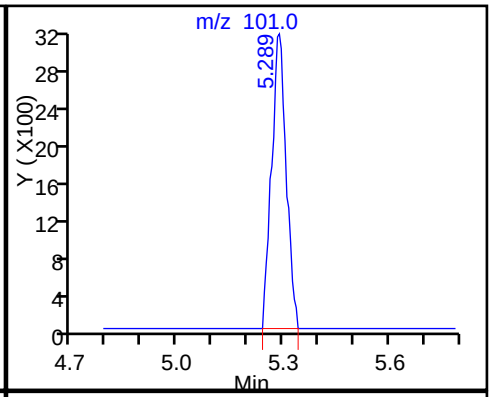
TestAmerica Burlington

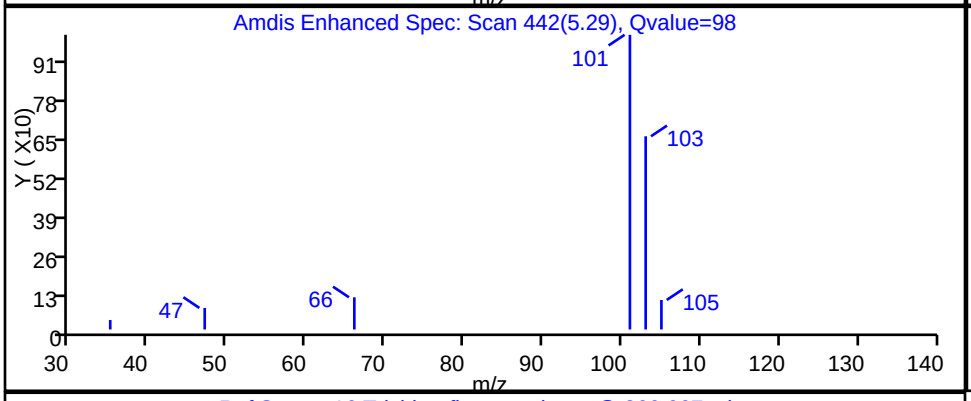
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140723-8677.b\8677_017.D

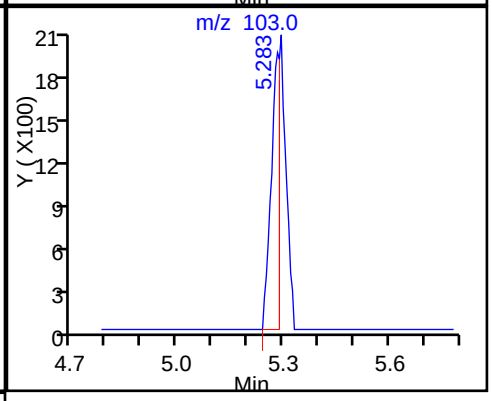
Injection Date:	23-Jul-2014 21:08:30	Instrument ID:	CHC.i		
Lims ID:	280-58003-A-10	Lab Sample ID:	200-58003-10		
Client ID:	776IA1LA				
Operator ID:	bpl	ALS Bottle#:	16	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

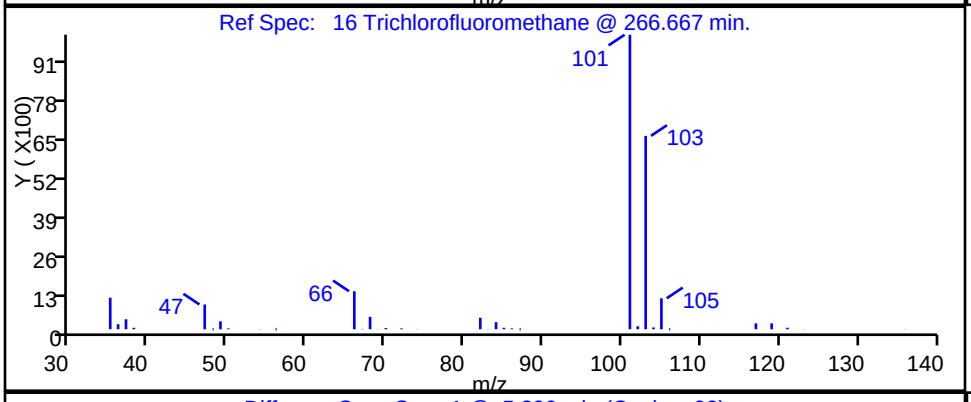
16 Trichlorofluoromethane, CAS: 75-69-4

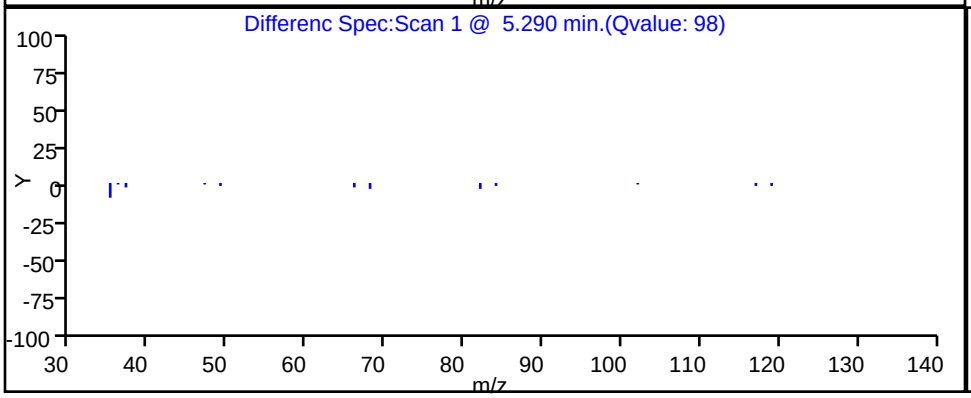


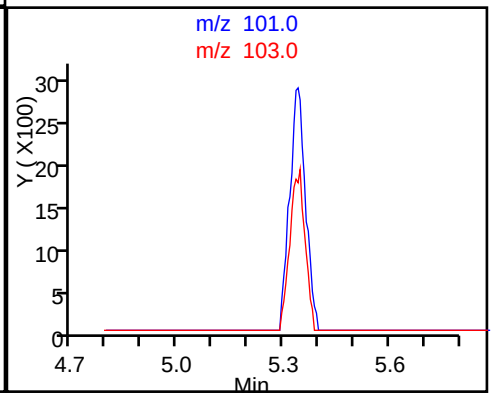












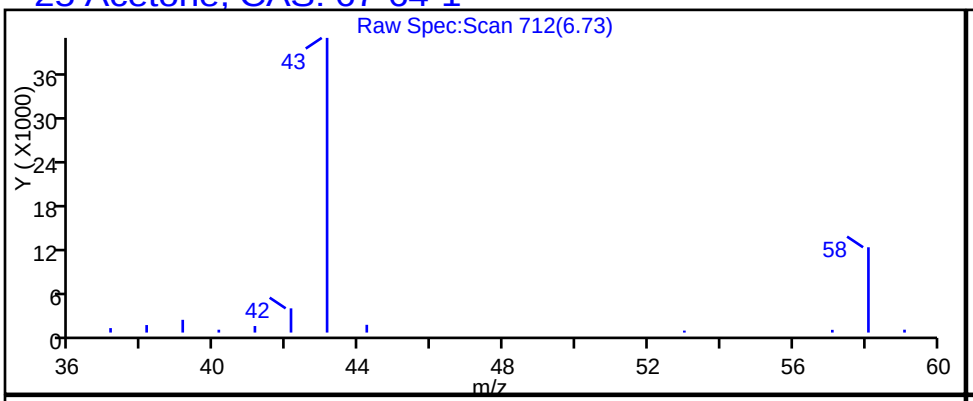
Report Date: 24-Jul-2014 10:20:49 Chrom Revision: 2.2 24-Jun-2014 07:21:42

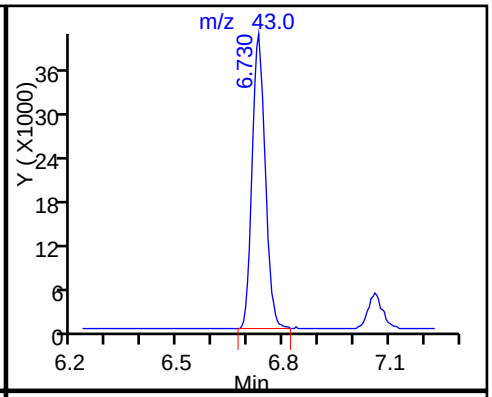
TestAmerica Burlington

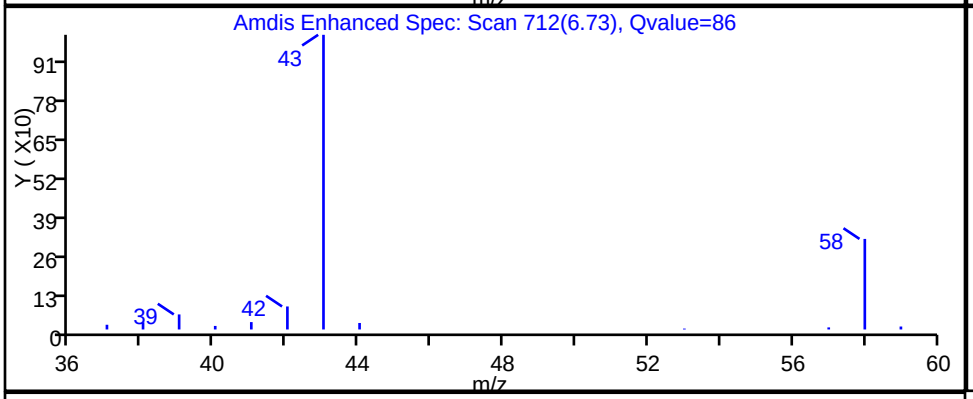
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140723-8677.b\8677_017.D

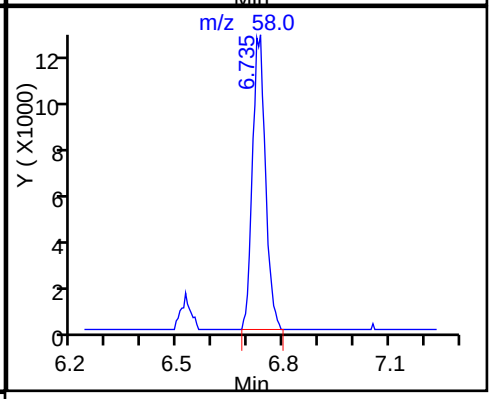
Injection Date:	23-Jul-2014 21:08:30	Instrument ID:	CHC.i		
Lims ID:	280-58003-A-10	Lab Sample ID:	200-58003-10		
Client ID:	776IA1LA				
Operator ID:	bpl	ALS Bottle#:	16	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

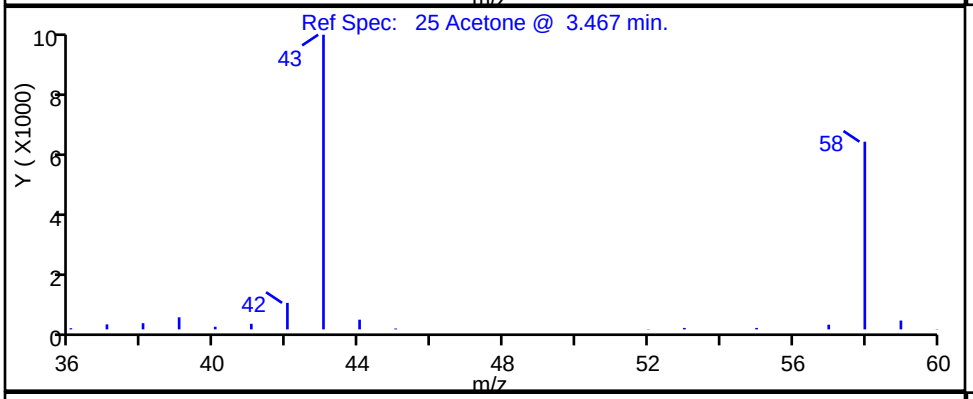
25 Acetone, CAS: 67-64-1

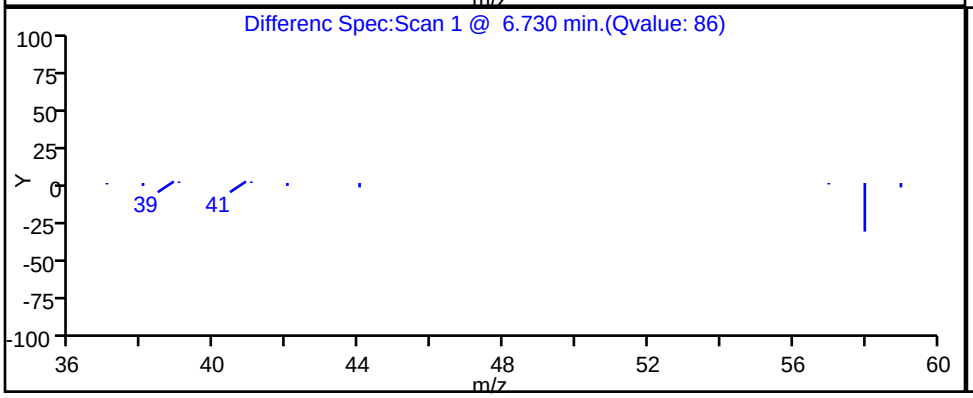


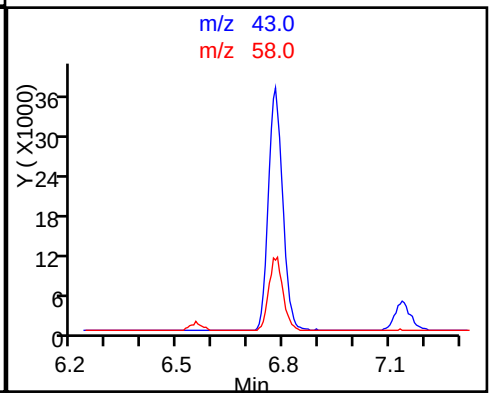












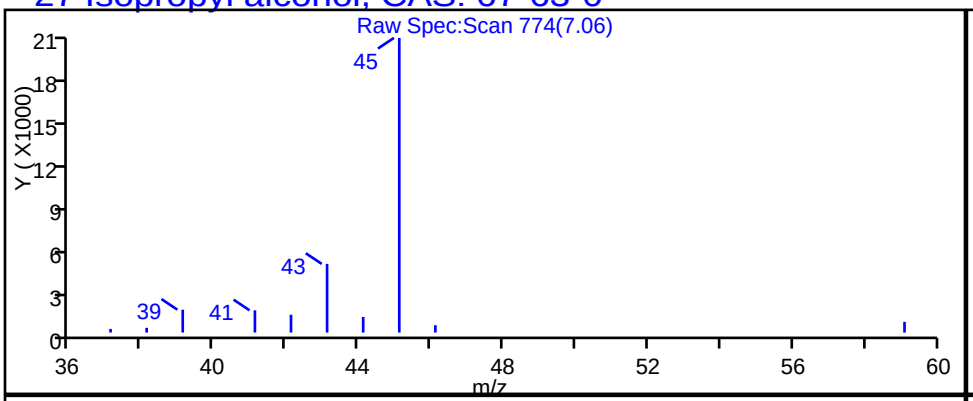
Report Date: 24-Jul-2014 10:20:49 Chrom Revision: 2.2 24-Jun-2014 07:21:42

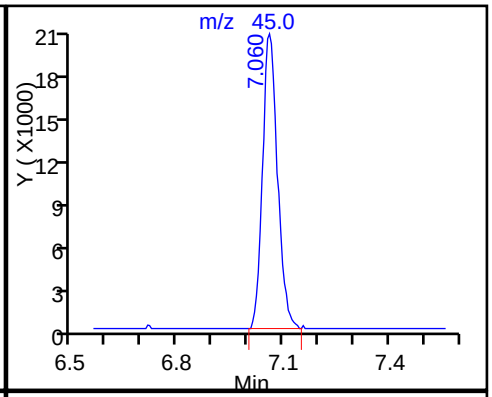
TestAmerica Burlington

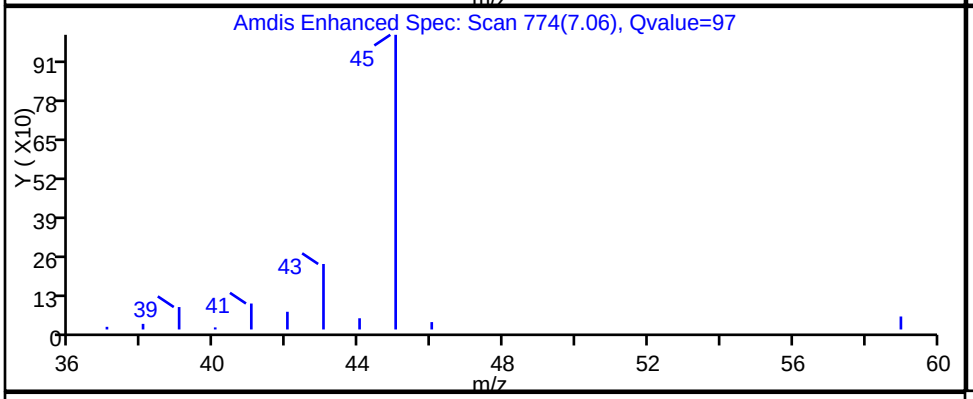
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140723-8677.b\8677_017.D

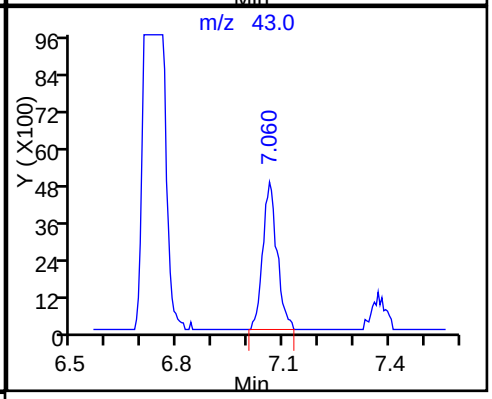
Injection Date:	23-Jul-2014 21:08:30	Instrument ID:	CHC.i		
Lims ID:	280-58003-A-10	Lab Sample ID:	200-58003-10		
Client ID:	776IA1LA				
Operator ID:	bpl	ALS Bottle#:	16	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

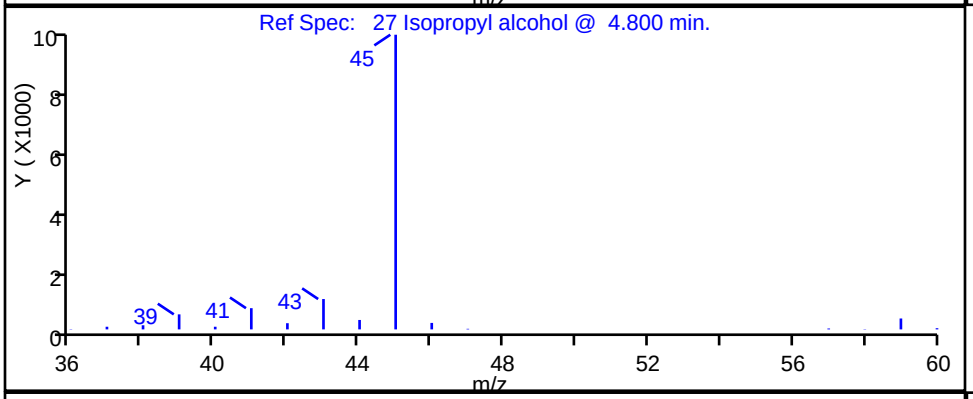
27 Isopropyl alcohol, CAS: 67-63-0

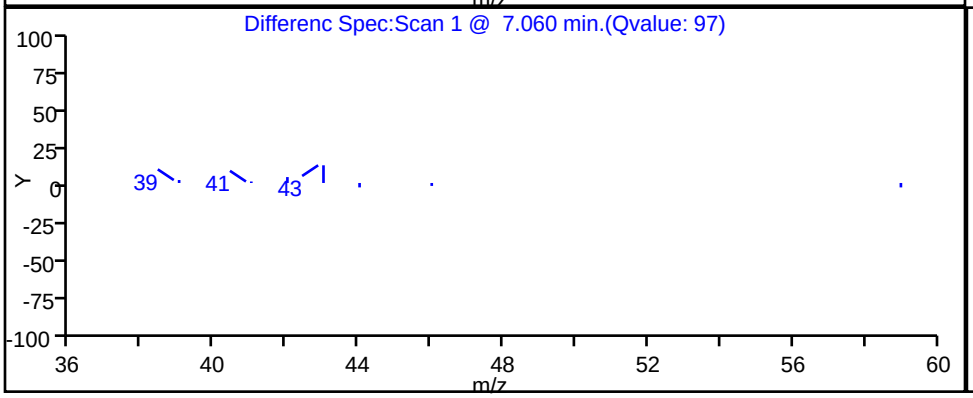


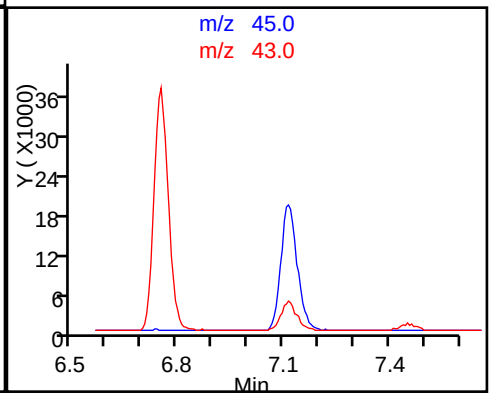












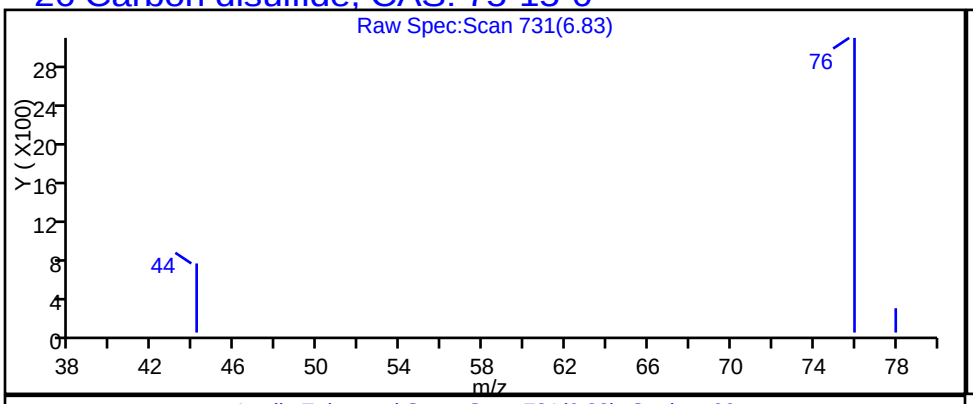
Report Date: 24-Jul-2014 10:20:49 Chrom Revision: 2.2 24-Jun-2014 07:21:42

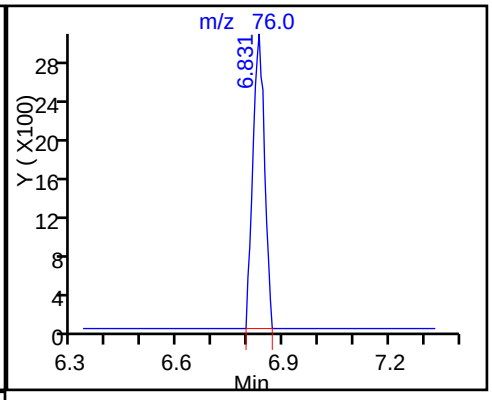
TestAmerica Burlington

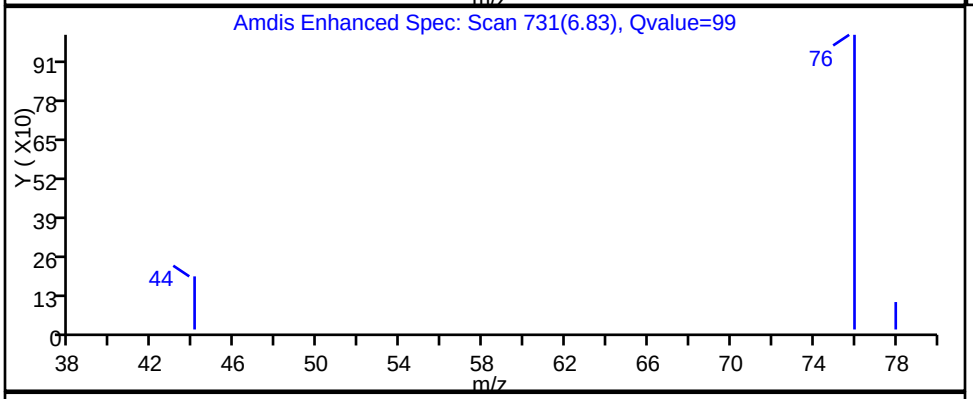
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140723-8677.b\8677_017.D

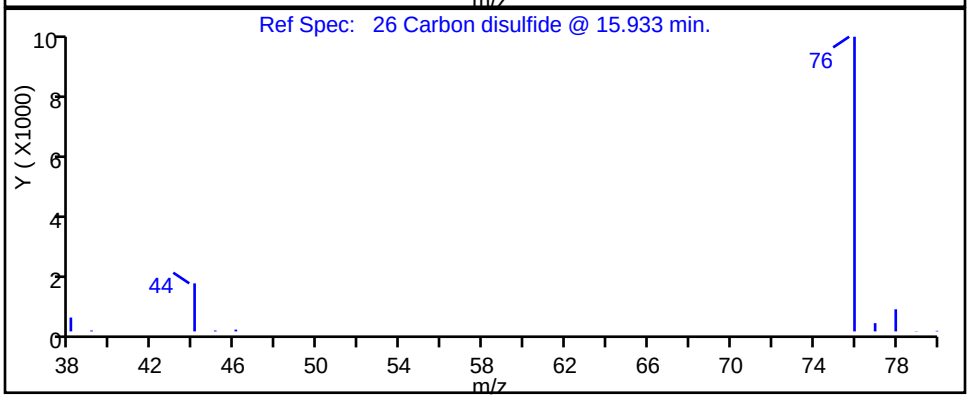
Injection Date:	23-Jul-2014 21:08:30	Instrument ID:	CHC.i		
Lims ID:	280-58003-A-10	Lab Sample ID:	200-58003-10		
Client ID:	776IA1LA				
Operator ID:	bpl	ALS Bottle#:	16	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

26 Carbon disulfide, CAS: 75-15-0









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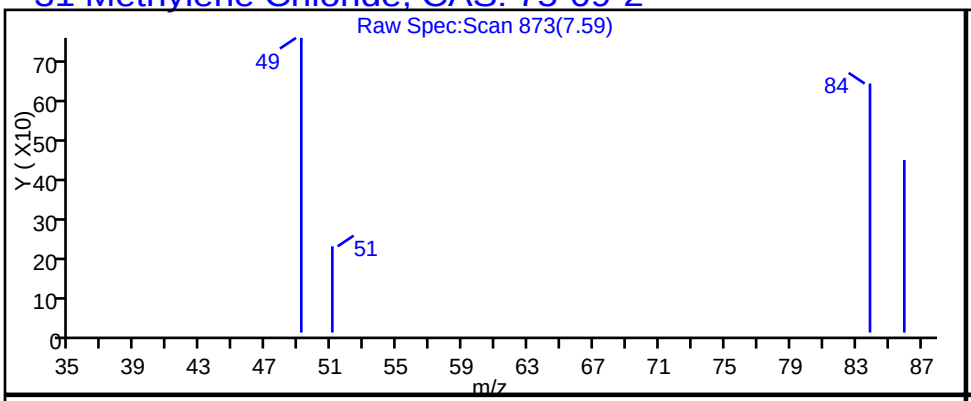
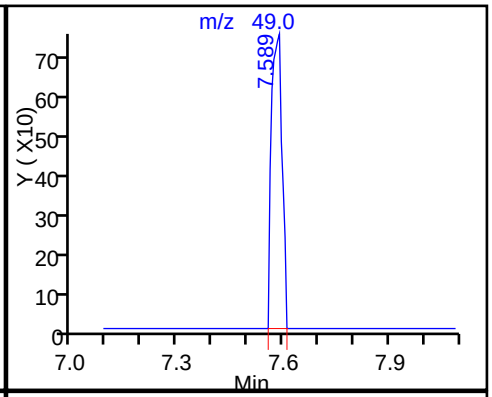
TestAmerica Burlington

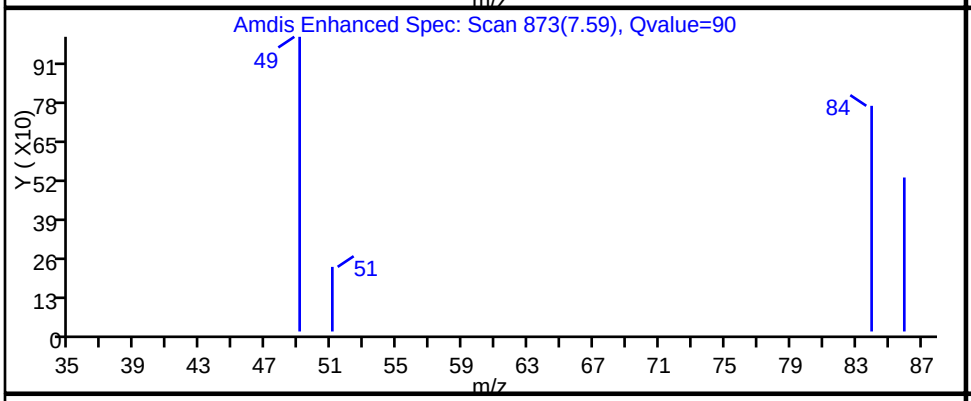
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140723-8677.b\8677_017.D

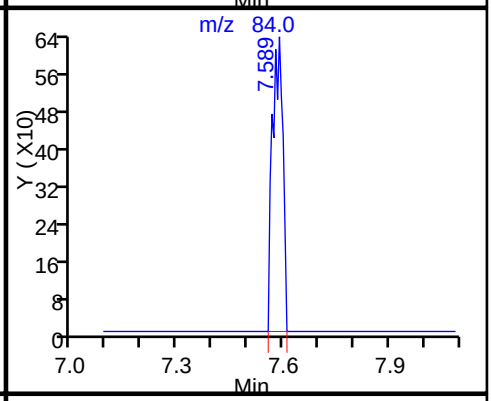
Injection Date:	23-Jul-2014 21:08:30	Instrument ID:	CHC.i		
Lims ID:	280-58003-A-10	Lab Sample ID:	200-58003-10		
Client ID:	776IA1LA				
Operator ID:	bpl	ALS Bottle#:	16	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

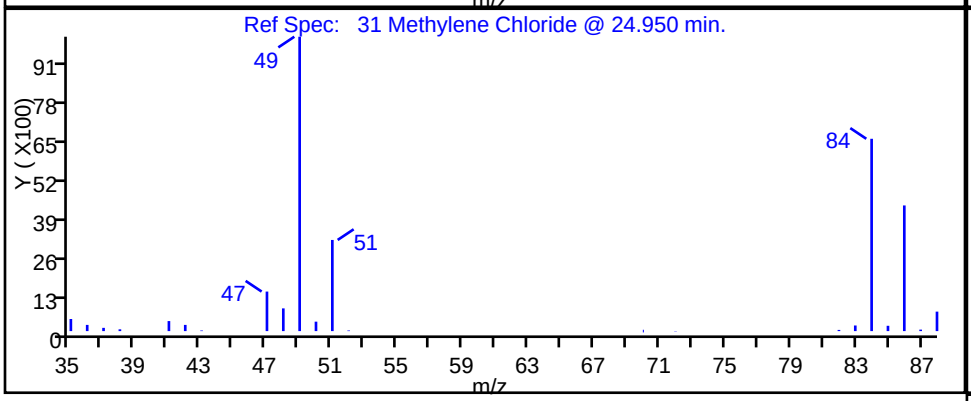
31 Methylene Chloride, CAS: 75-09-2

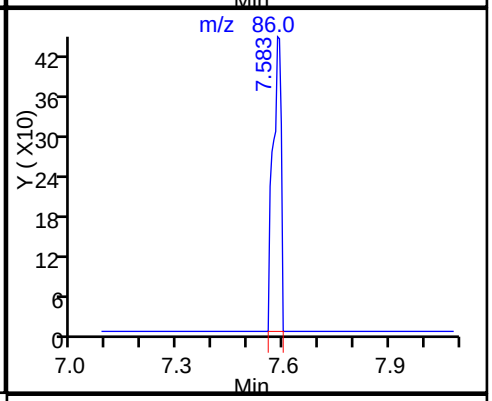


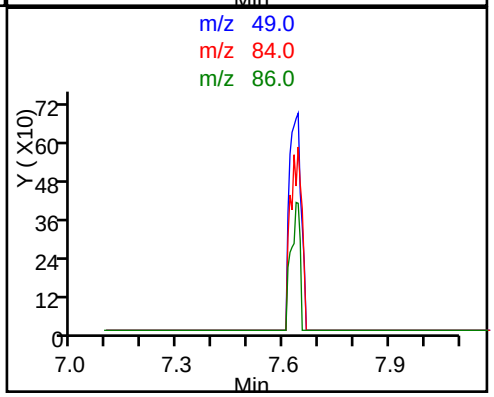








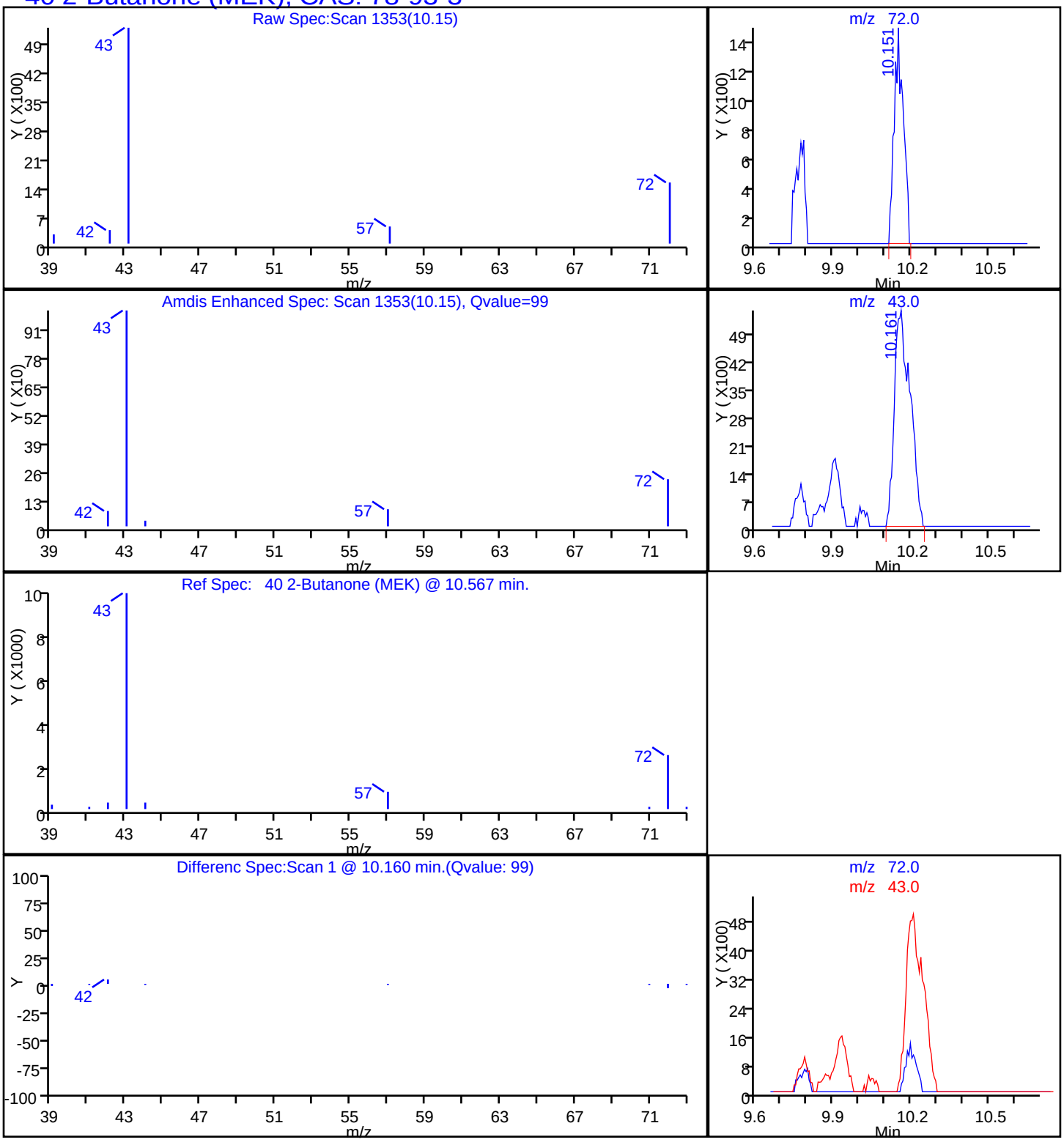




TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140723-8677.b\8677_017.D				
Injection Date:	23-Jul-2014 21:08:30	Instrument ID:	CHC.i		
Lims ID:	280-58003-A-10	Lab Sample ID:	200-58003-10		
Client ID:	776IA1LA				
Operator ID:	bpl	ALS Bottle#:	16	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

40 2-Butanone (MEK), CAS: 78-93-3



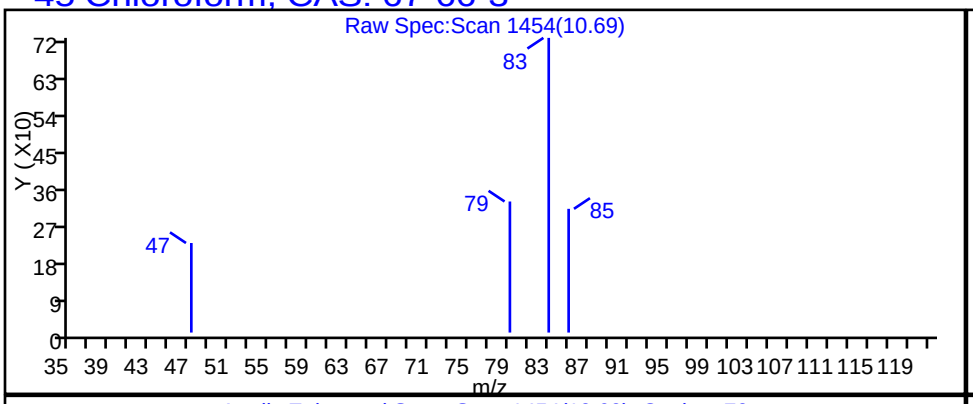
Report Date: 24-Jul-2014 10:20:49 Chrom Revision: 2.2 24-Jun-2014 07:21:42

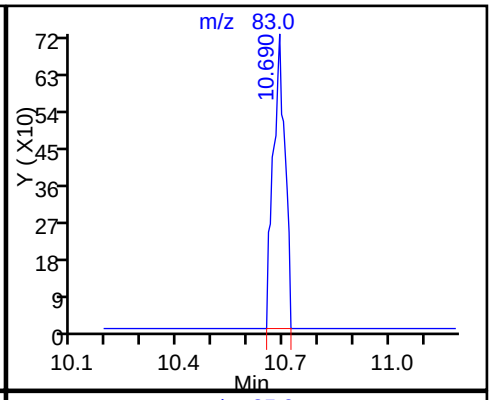
TestAmerica Burlington

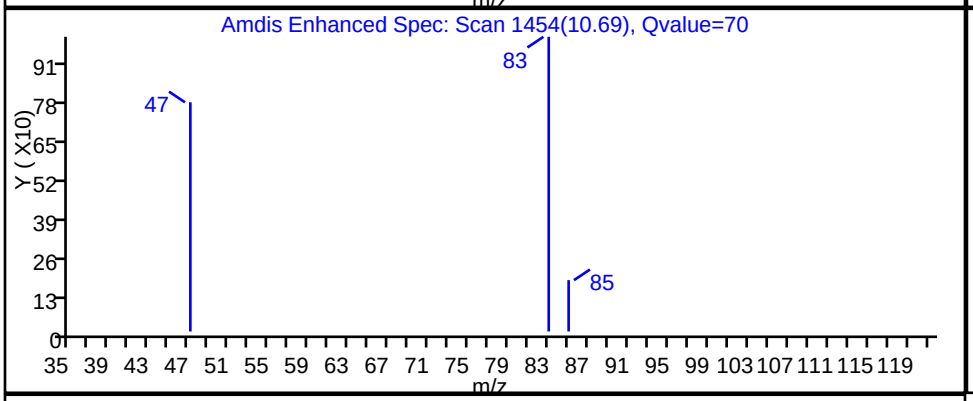
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140723-8677.b\8677_017.D

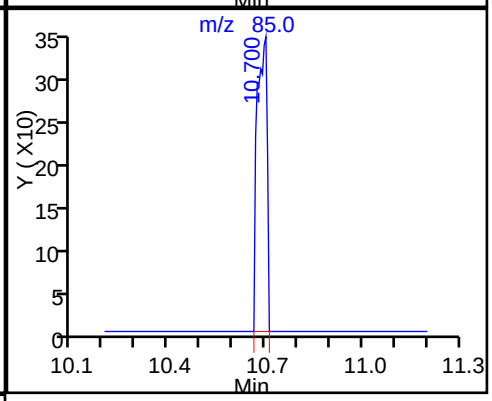
Injection Date:	23-Jul-2014 21:08:30	Instrument ID:	CHC.i		
Lims ID:	280-58003-A-10	Lab Sample ID:	200-58003-10		
Client ID:	776IA1LA				
Operator ID:	bpl	ALS Bottle#:	16	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

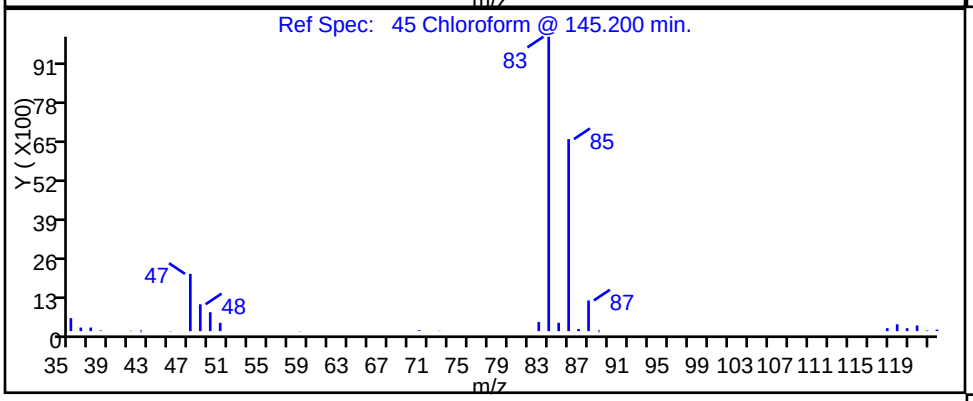
45 Chloroform, CAS: 67-66-3

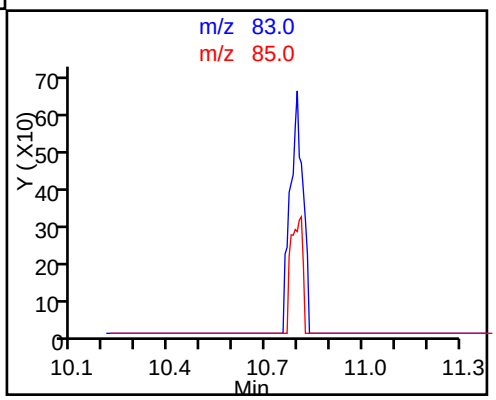










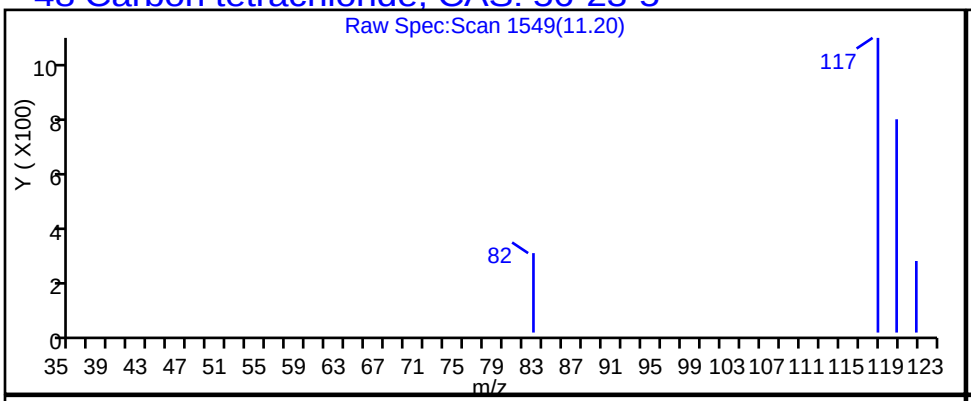


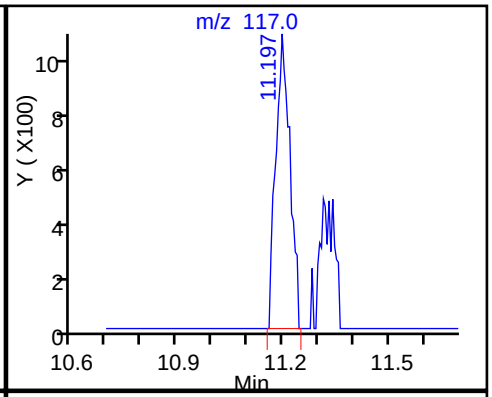
Report Date: 24-Jul-2014 10:20:49 Chrom Revision: 2.2 24-Jun-2014 07:21:42

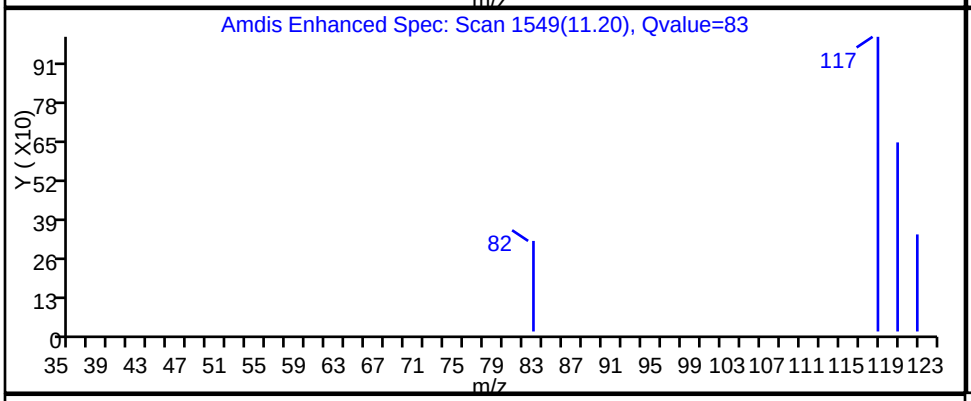
TestAmerica Burlington

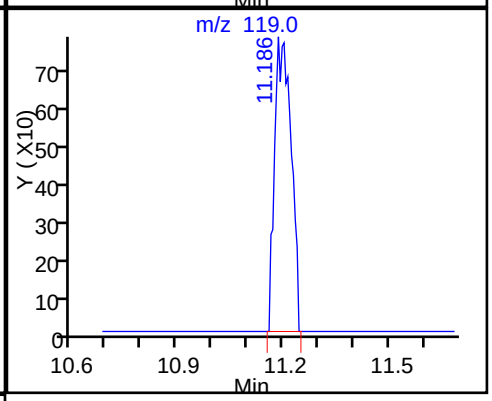
Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140723-8677.b\8677_017.D				
Injection Date:	23-Jul-2014 21:08:30	Instrument ID:	CHC.i		
Lims ID:	280-58003-A-10	Lab Sample ID:	200-58003-10		
Client ID:	776IA1LA				
Operator ID:	bpl	ALS Bottle#:	16	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

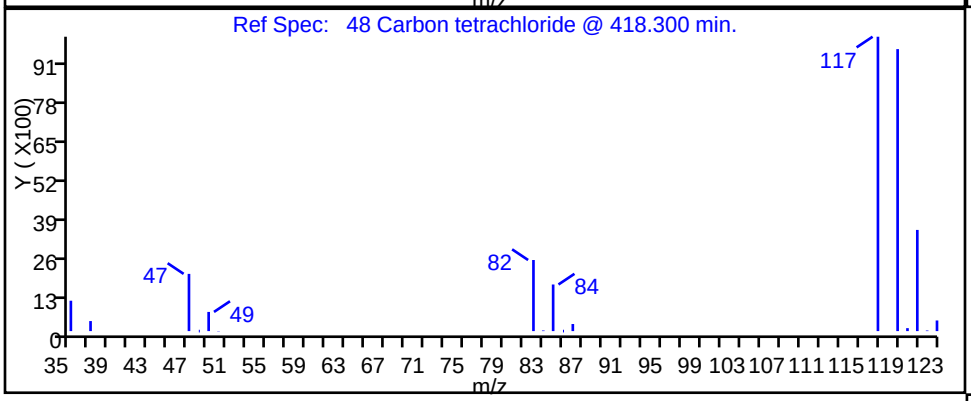
48 Carbon tetrachloride, CAS: 56-23-5

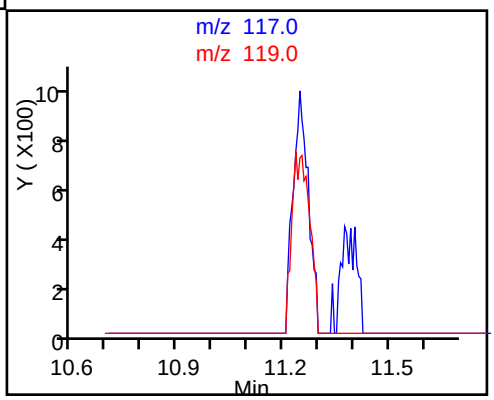








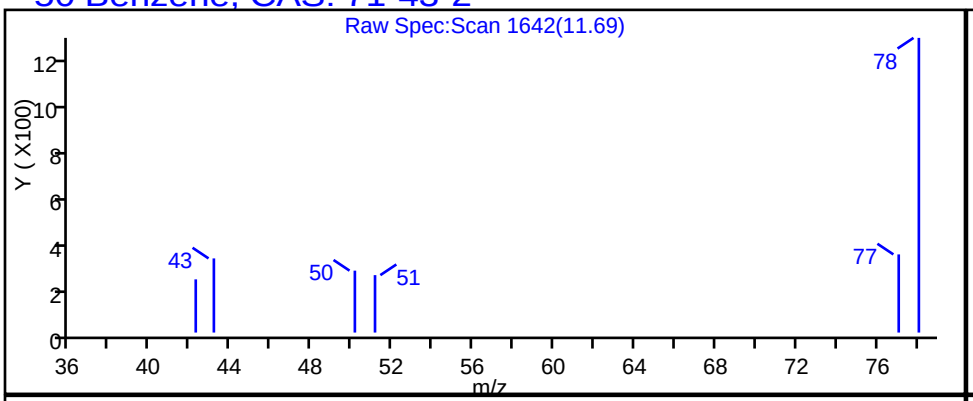


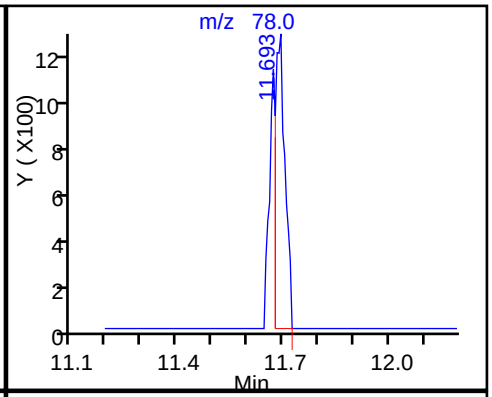


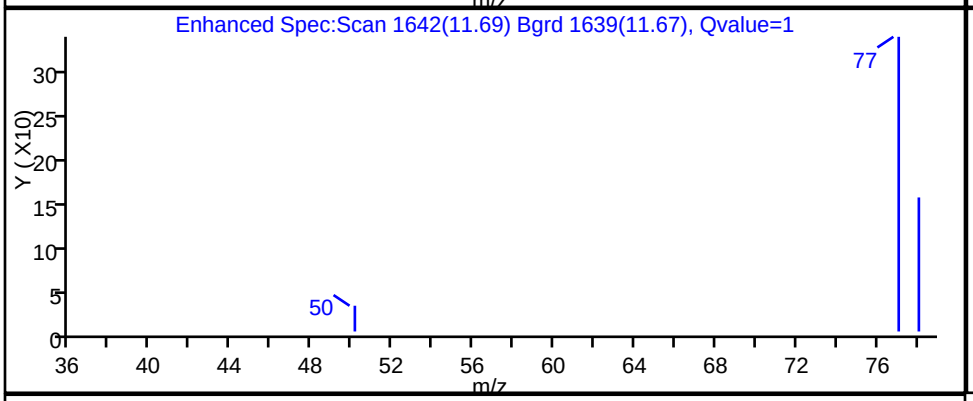
TestAmerica Burlington

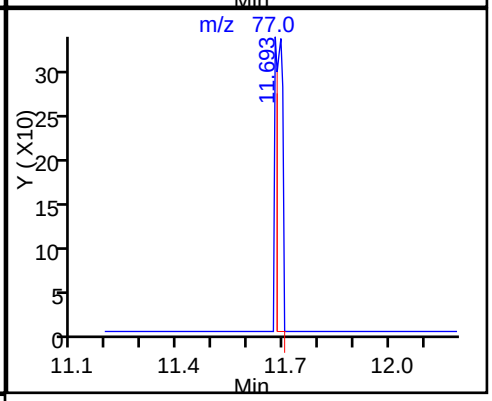
Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140723-8677.b\8677_017.D				
Injection Date:	23-Jul-2014 21:08:30	Instrument ID:	CHC.i		
Lims ID:	280-58003-A-10	Lab Sample ID:	200-58003-10		
Client ID:	776IA1LA				
Operator ID:	bpl	ALS Bottle#:	16	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

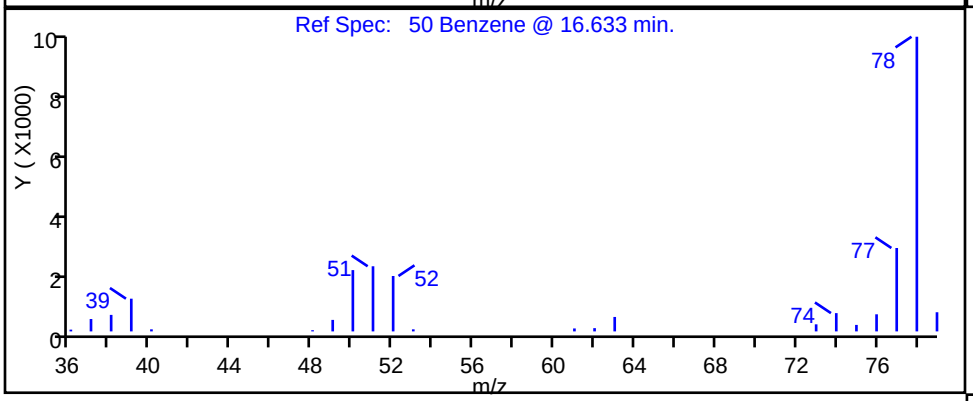
50 Benzene, CAS: 71-43-2

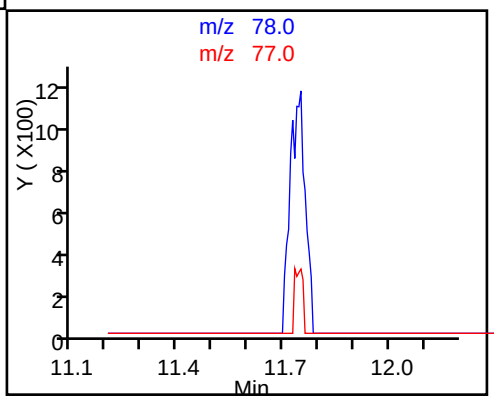












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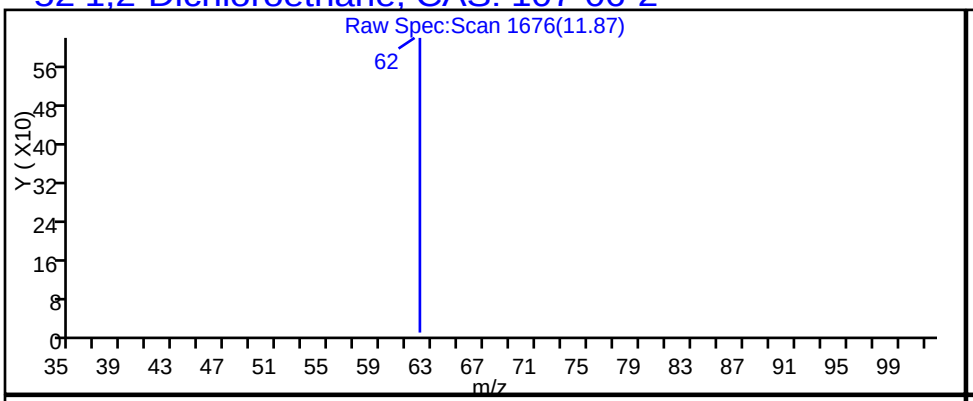
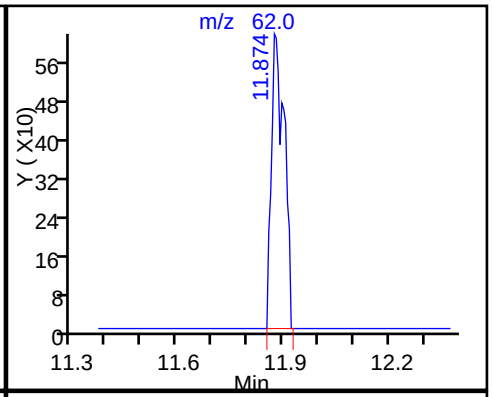
TestAmerica Burlington

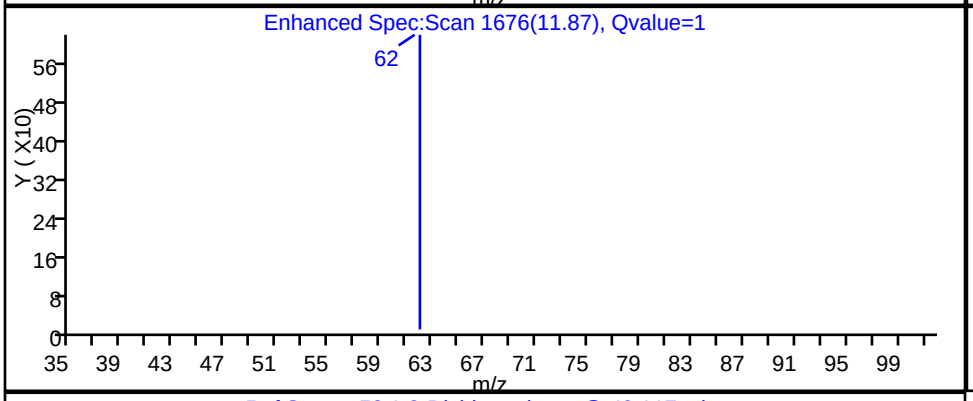
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140723-8677.b\8677_017.D

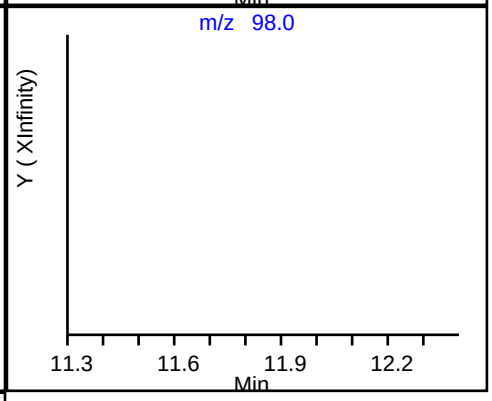
Injection Date:	23-Jul-2014 21:08:30	Instrument ID:	CHC.i		
Lims ID:	280-58003-A-10	Lab Sample ID:	200-58003-10		
Client ID:	776IA1LA				
Operator ID:	bpl	ALS Bottle#:	16	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

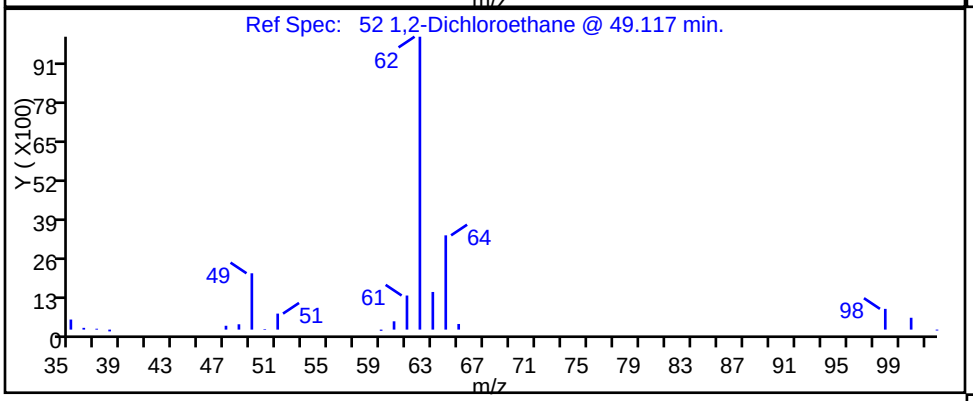
52 1,2-Dichloroethane, CAS: 107-06-2

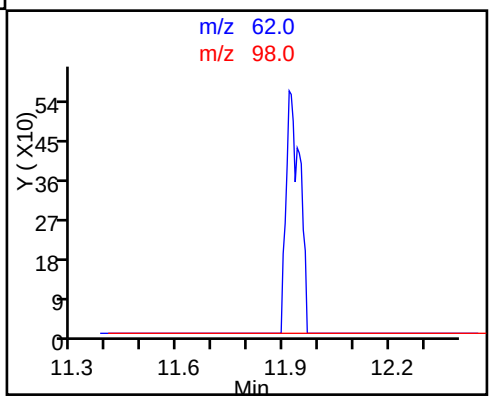










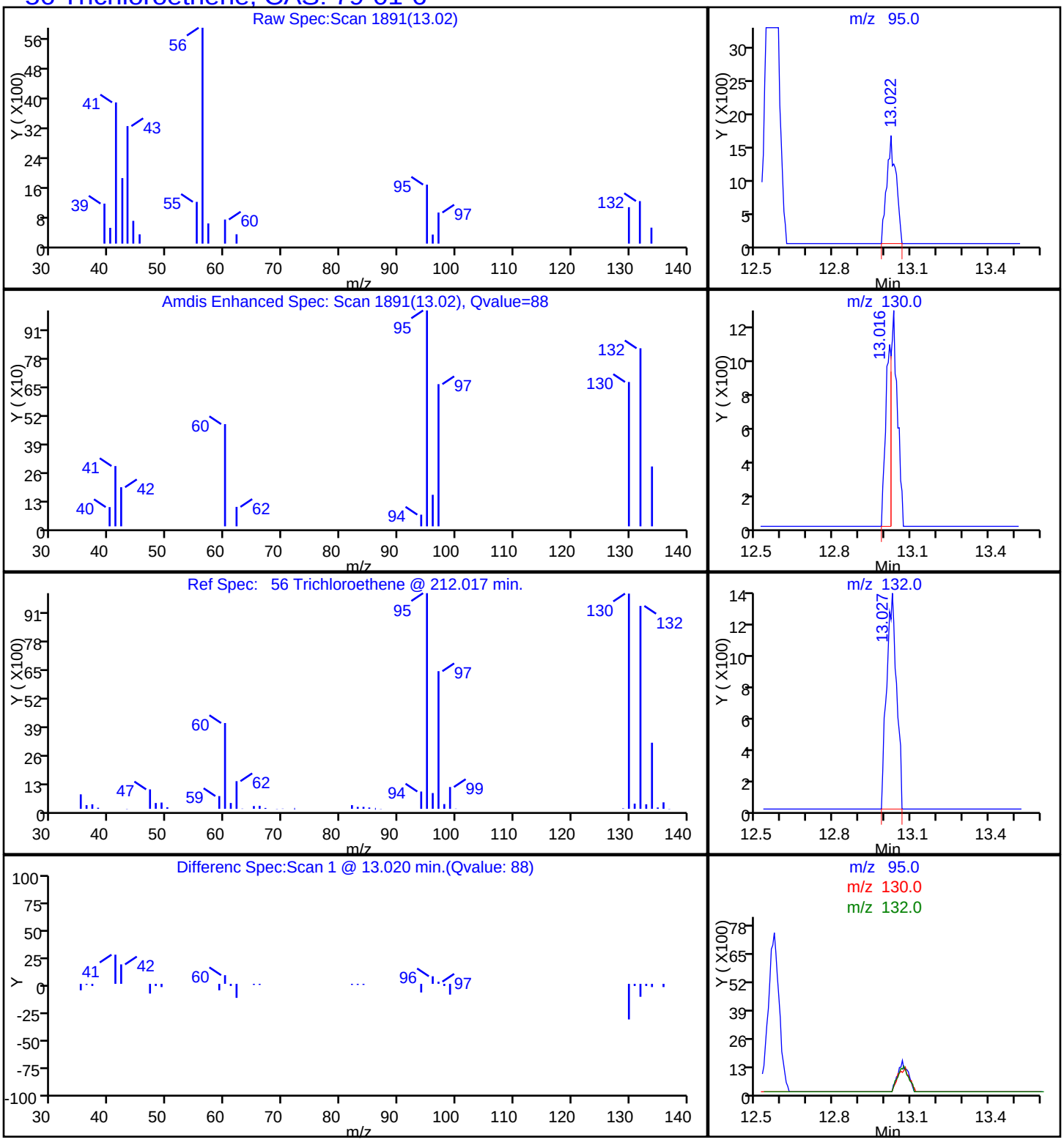


TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140723-8677.b\8677_017.D

Injection Date:	23-Jul-2014 21:08:30	Instrument ID:	CHC.i		
Lims ID:	280-58003-A-10	Lab Sample ID:	200-58003-10		
Client ID:	776IA1LA				
Operator ID:	bpl	ALS Bottle#:	16	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

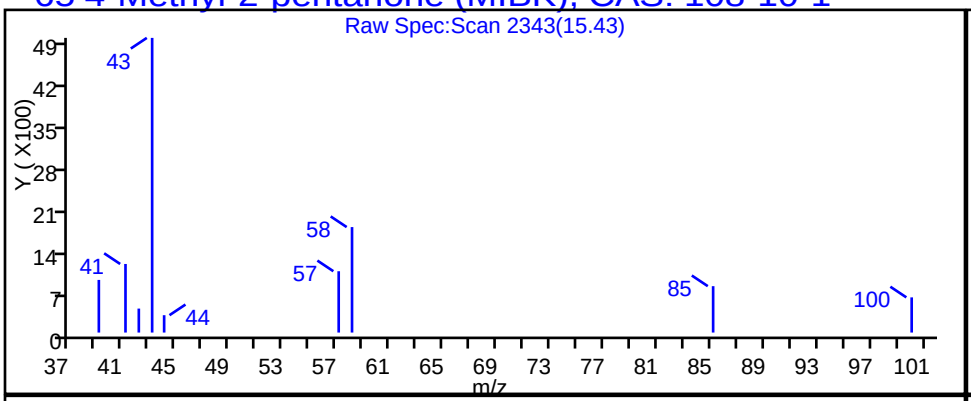
56 Trichloroethene, CAS: 79-01-6

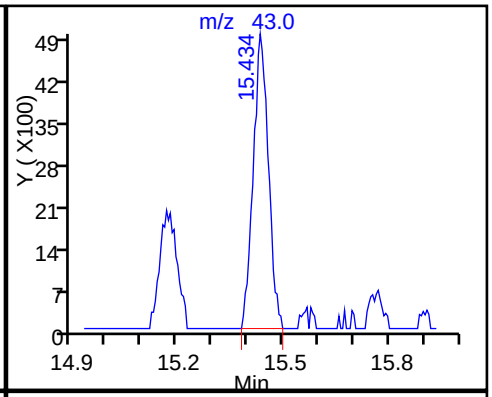


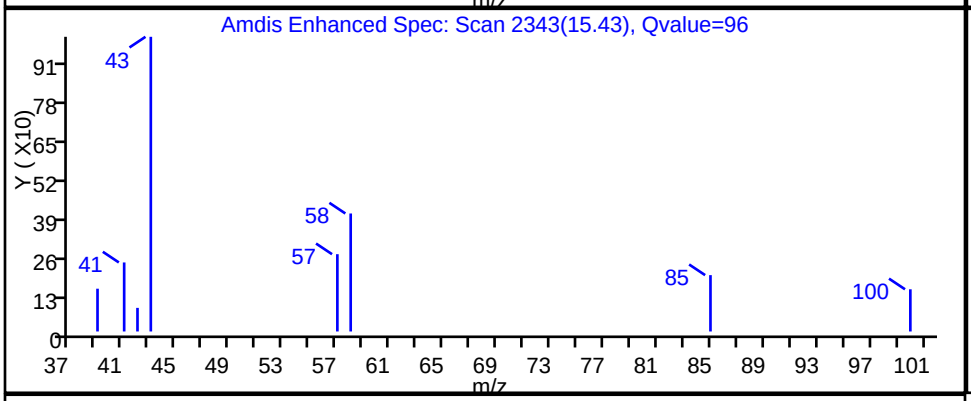
TestAmerica Burlington

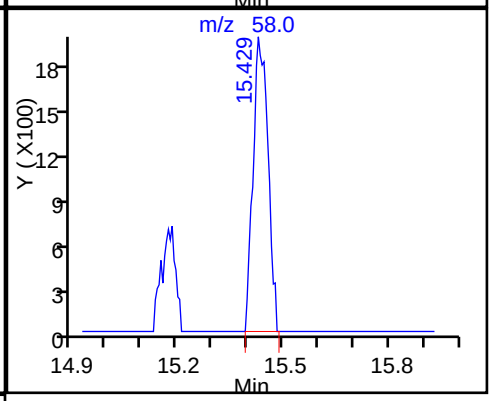
Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140723-8677.b\8677_017.D				
Injection Date:	23-Jul-2014 21:08:30	Instrument ID:	CHC.i		
Lims ID:	280-58003-A-10	Lab Sample ID:	200-58003-10		
Client ID:	776IA1LA				
Operator ID:	bpl	ALS Bottle#:	16	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

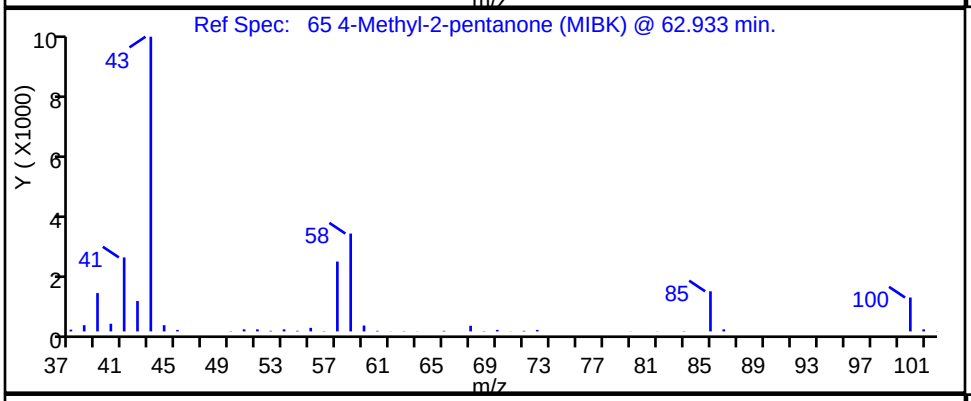
65 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

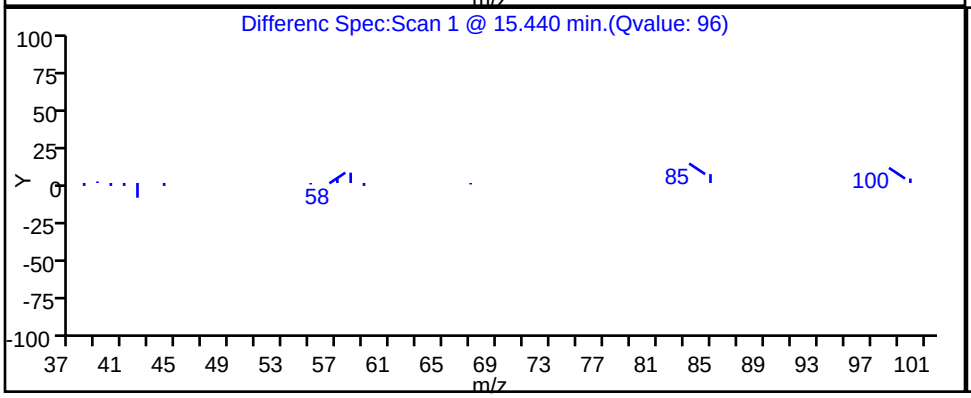


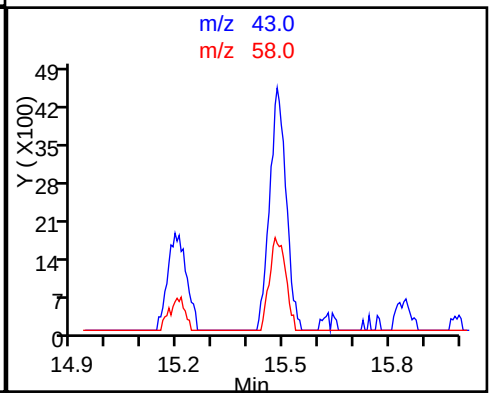












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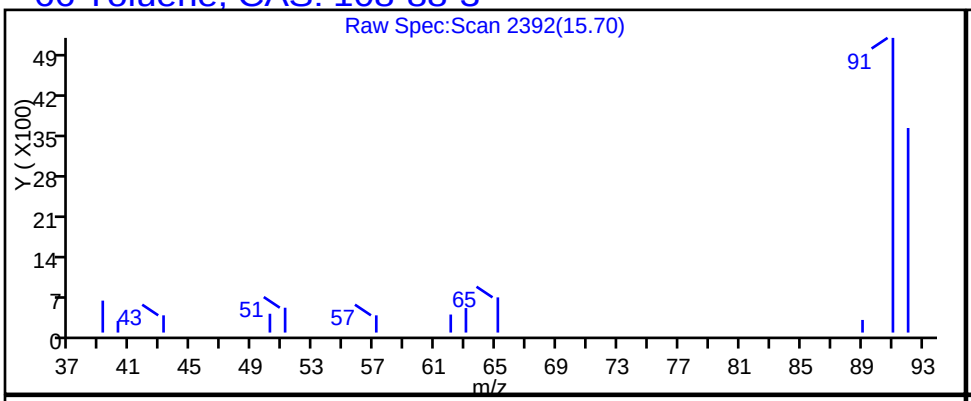
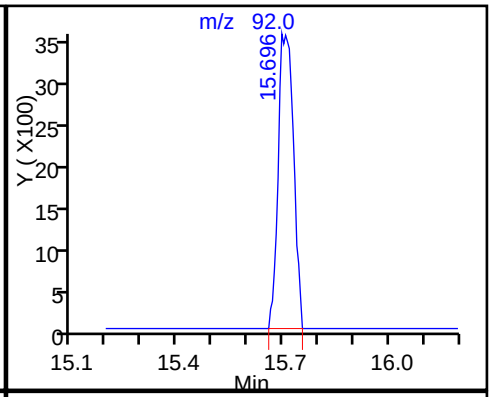
TestAmerica Burlington

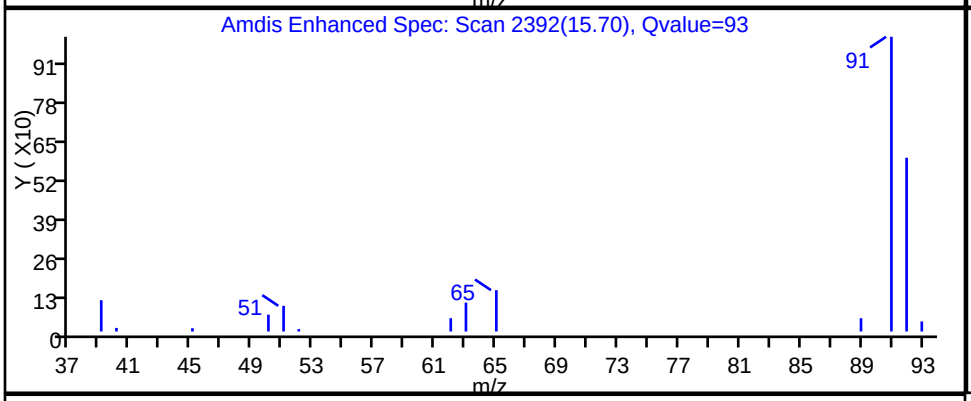
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140723-8677.b\8677_017.D

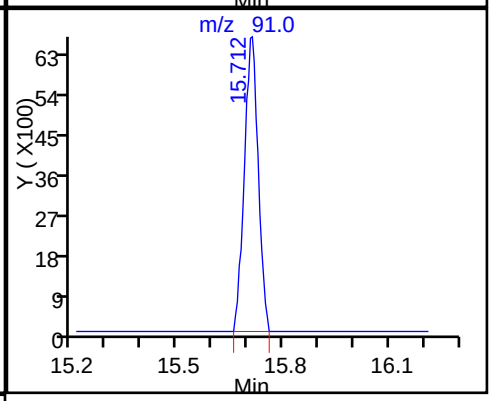
Injection Date:	23-Jul-2014 21:08:30	Instrument ID:	CHC.i		
Lims ID:	280-58003-A-10	Lab Sample ID:	200-58003-10		
Client ID:	776IA1LA				
Operator ID:	bpl	ALS Bottle#:	16	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

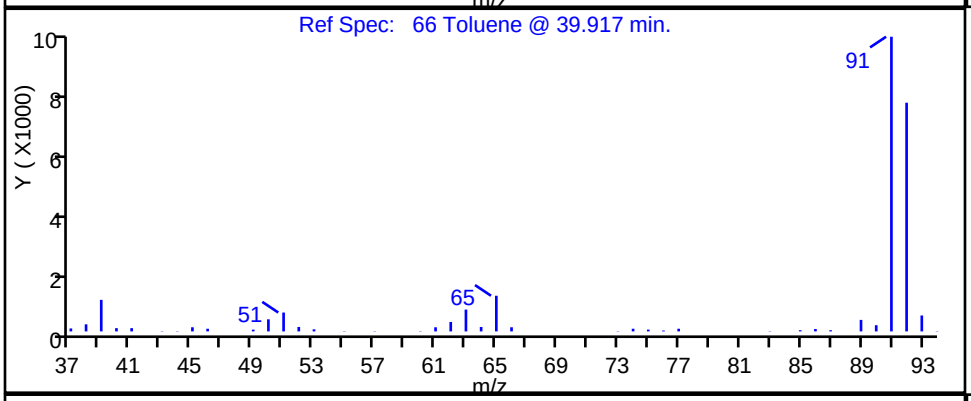
66 Toluene, CAS: 108-88-3

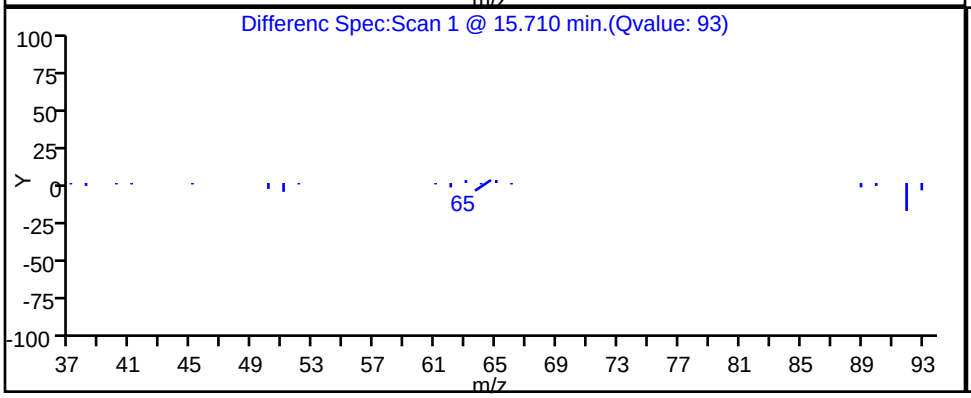


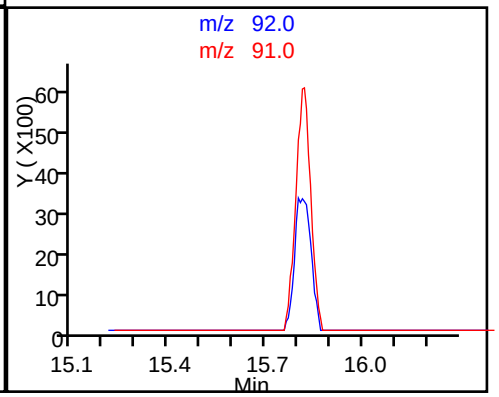












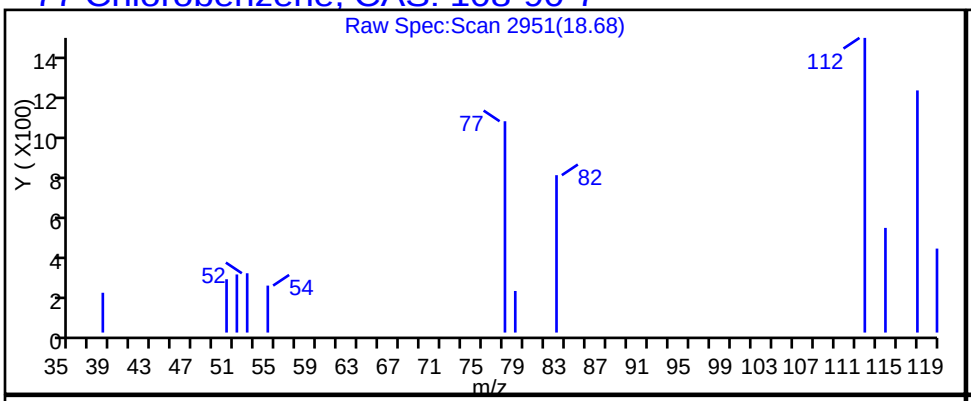
Report Date: 24-Jul-2014 10:20:49 Chrom Revision: 2.2 24-Jun-2014 07:21:42

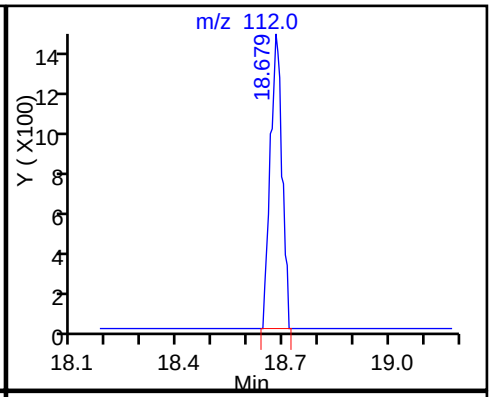
TestAmerica Burlington

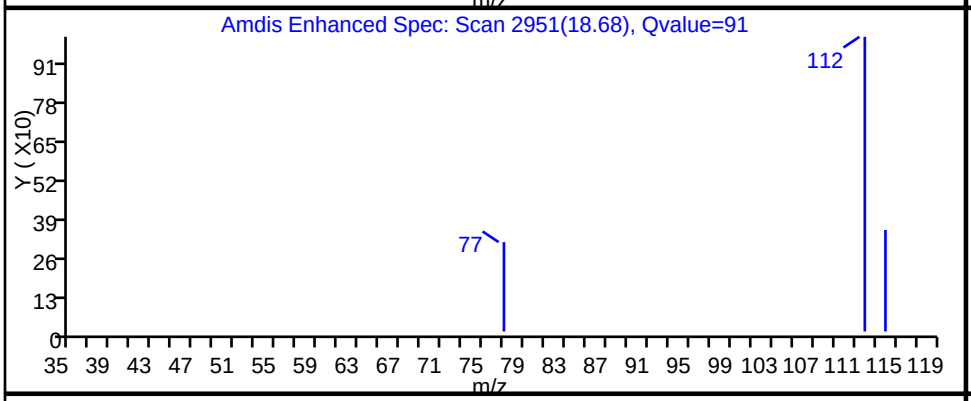
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140723-8677.b\8677_017.D

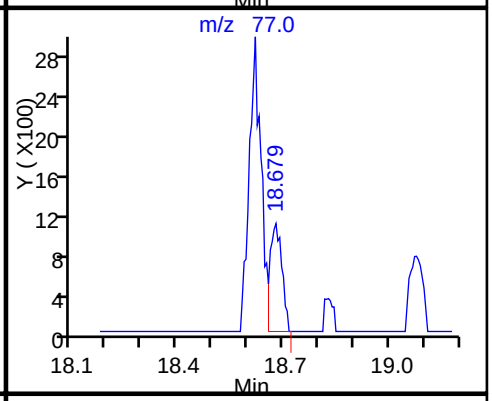
Injection Date:	23-Jul-2014 21:08:30	Instrument ID:	CHC.i		
Lims ID:	280-58003-A-10	Lab Sample ID:	200-58003-10		
Client ID:	776IA1LA				
Operator ID:	bpl	ALS Bottle#:	16	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

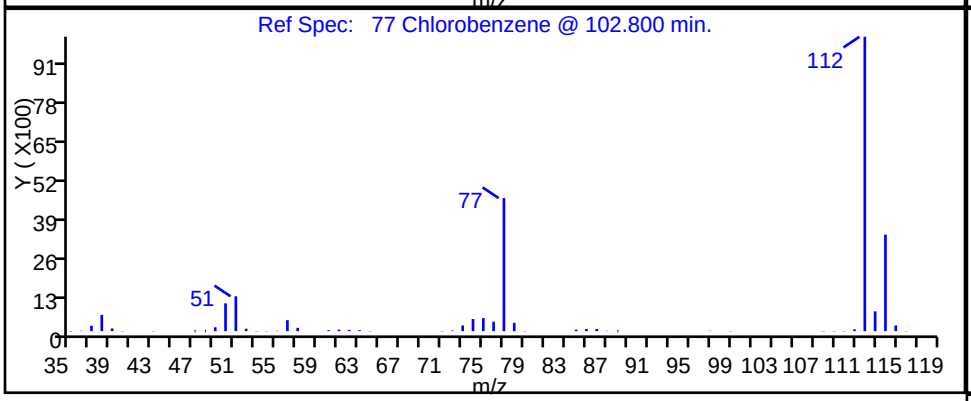
77 Chlorobenzene, CAS: 108-90-7

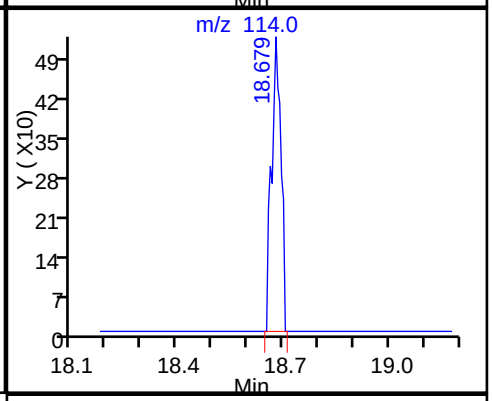


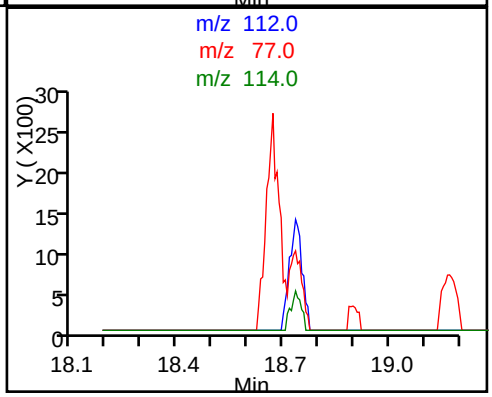












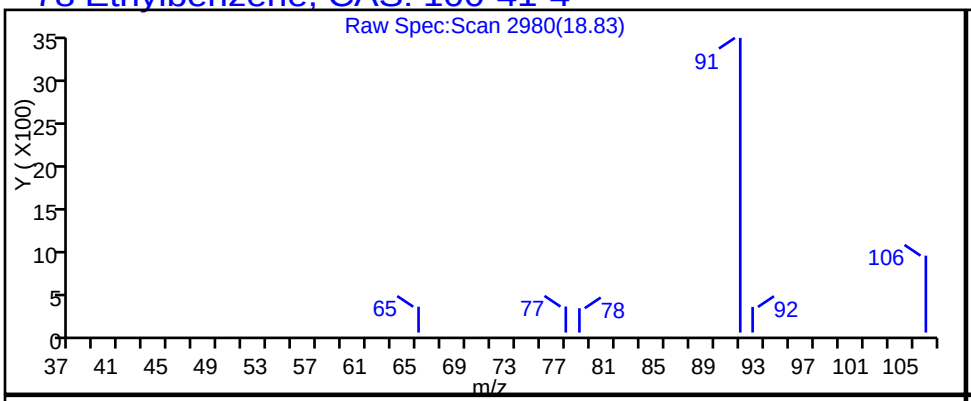
Report Date: 24-Jul-2014 10:20:49 Chrom Revision: 2.2 24-Jun-2014 07:21:42

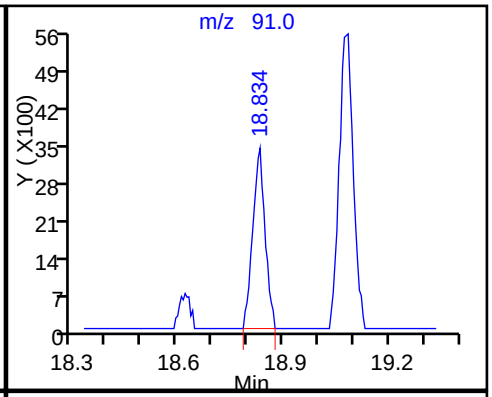
TestAmerica Burlington

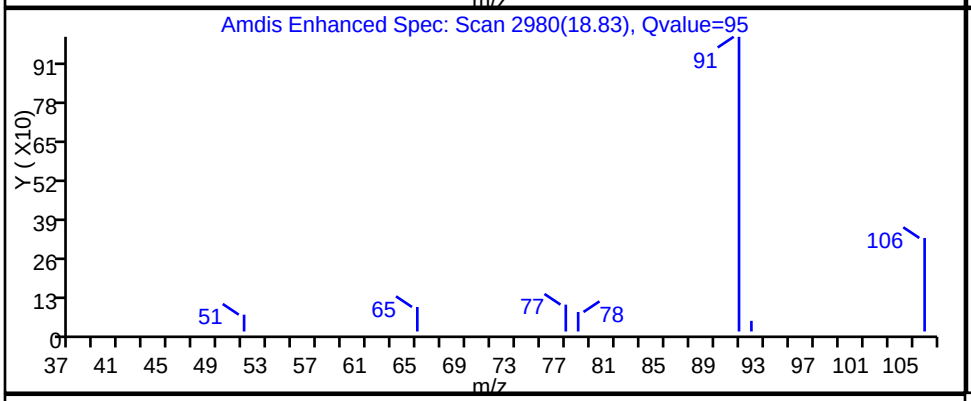
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140723-8677.b\8677_017.D

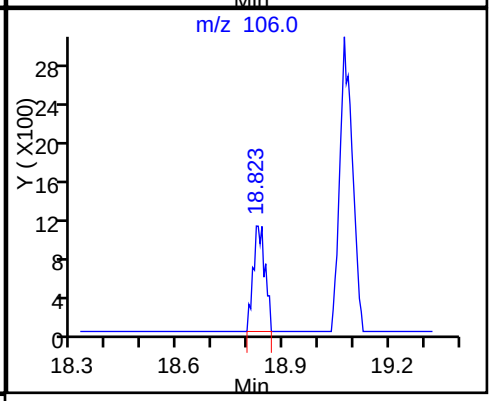
Injection Date:	23-Jul-2014 21:08:30	Instrument ID:	CHC.i		
Lims ID:	280-58003-A-10	Lab Sample ID:	200-58003-10		
Client ID:	776IA1LA				
Operator ID:	bpl	ALS Bottle#:	16	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

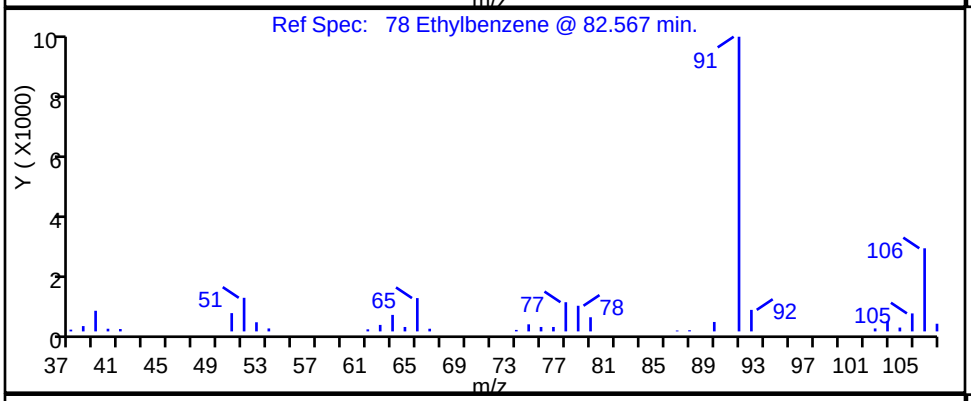
78 Ethylbenzene, CAS: 100-41-4

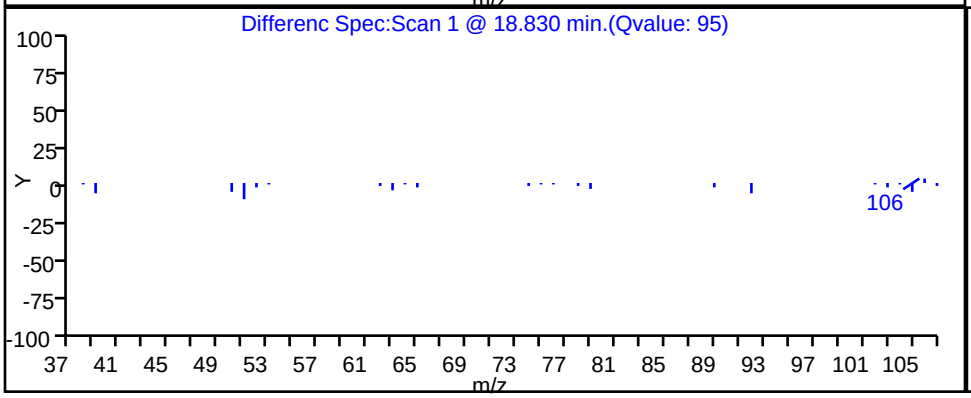


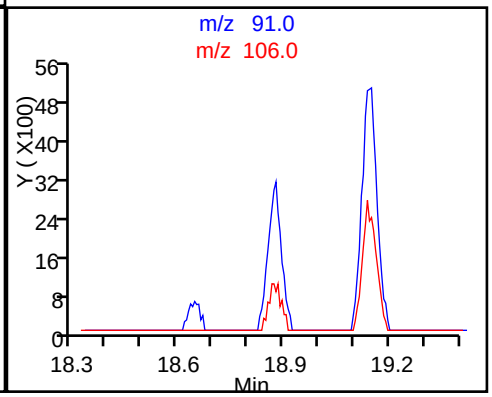












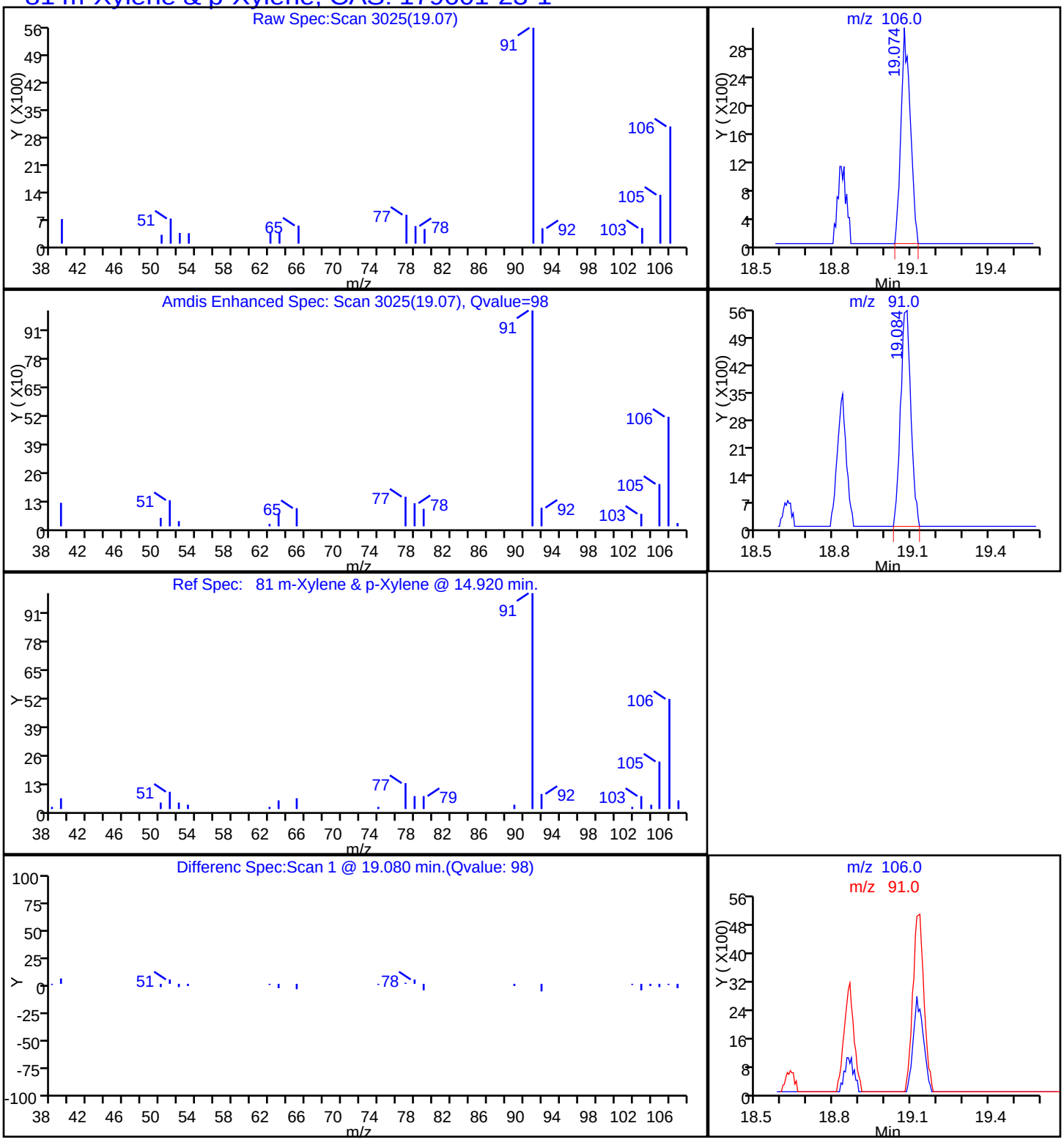
Report Date: 24-Jul-2014 10:20:49 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140723-8677.b\8677_017.D

Injection Date:	23-Jul-2014 21:08:30	Instrument ID:	CHC.i		
Lims ID:	280-58003-A-10	Lab Sample ID:	200-58003-10		
Client ID:	776IA1LA				
Operator ID:	bpl	ALS Bottle#:	16	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

81 m-Xylene & p-Xylene, CAS: 179601-23-1

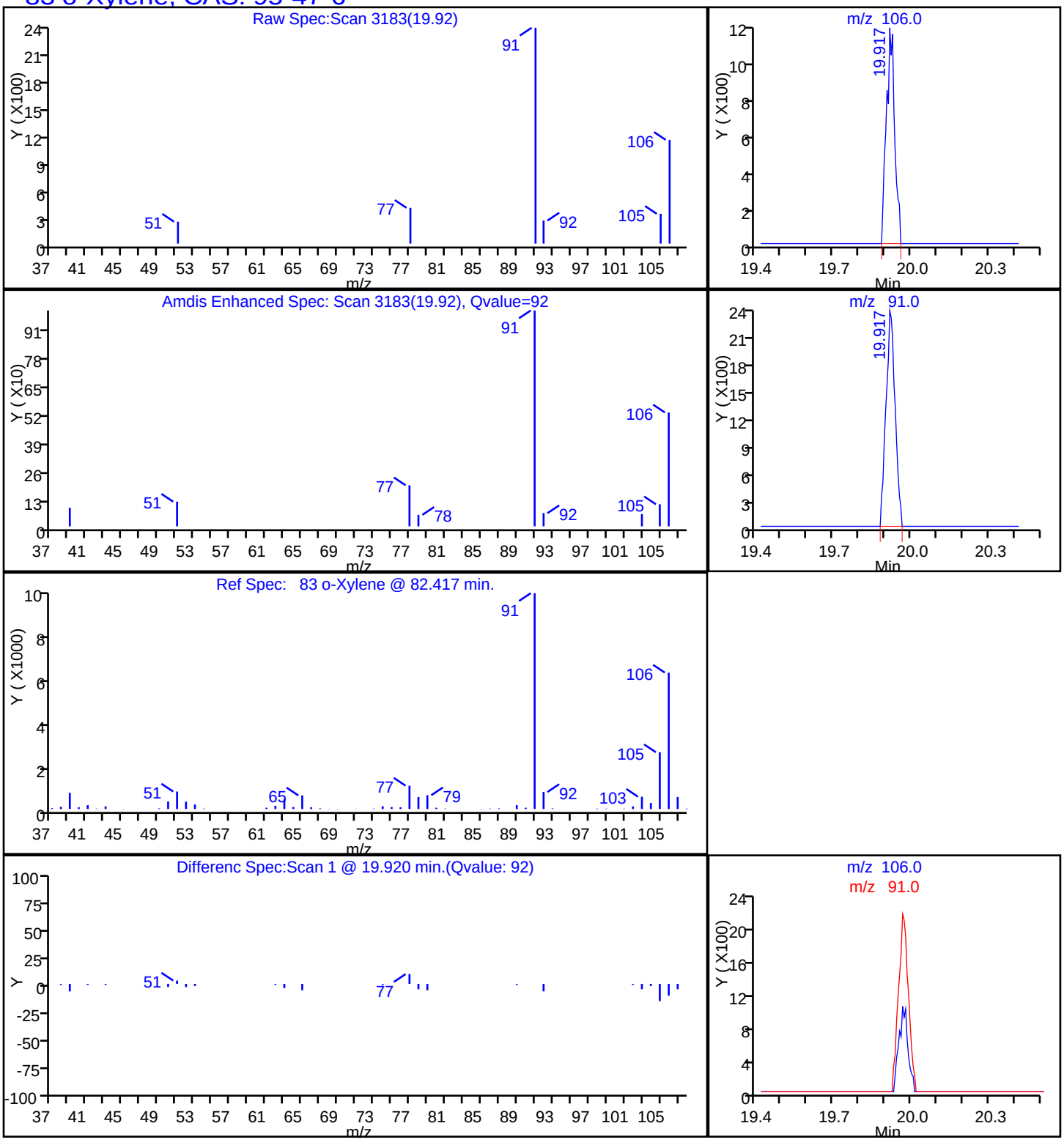


TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140723-8677.b\8677_017.D

Injection Date:	23-Jul-2014 21:08:30	Instrument ID:	CHC.i		
Lims ID:	280-58003-A-10	Lab Sample ID:	200-58003-10		
Client ID:	776IA1LA				
Operator ID:	bpl	ALS Bottle#:	16	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

83 o-Xylene, CAS: 95-47-6



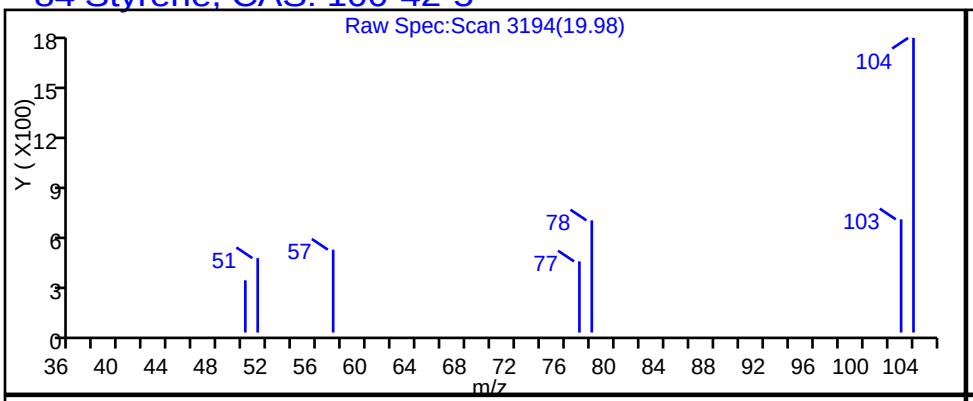
Report Date: 24-Jul-2014 10:20:49 Chrom Revision: 2.2 24-Jun-2014 07:21:42

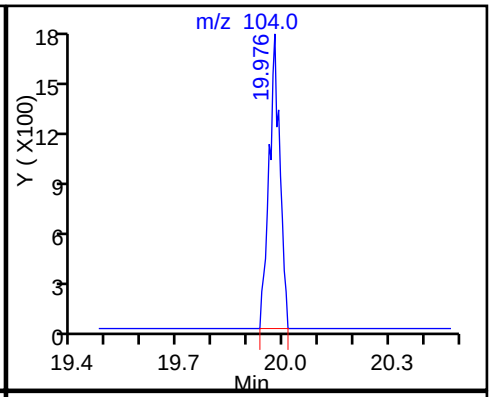
TestAmerica Burlington

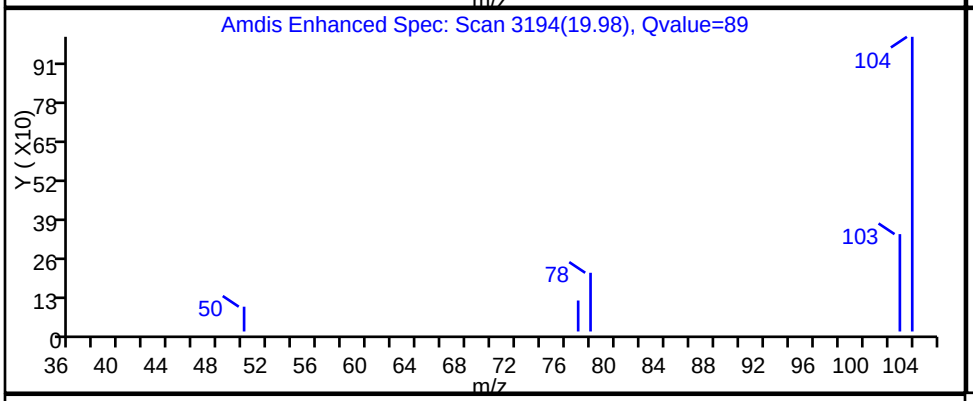
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140723-8677.b\8677_017.D

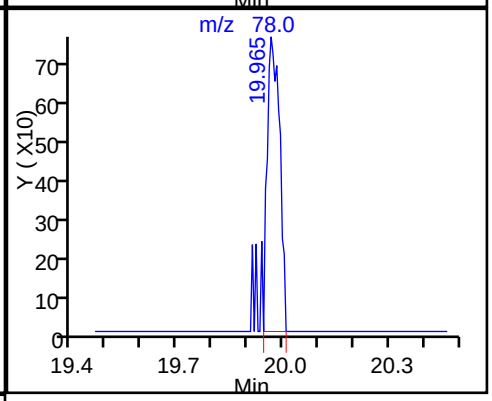
Injection Date:	23-Jul-2014 21:08:30	Instrument ID:	CHC.i		
Lims ID:	280-58003-A-10	Lab Sample ID:	200-58003-10		
Client ID:	776IA1LA				
Operator ID:	bpl	ALS Bottle#:	16	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

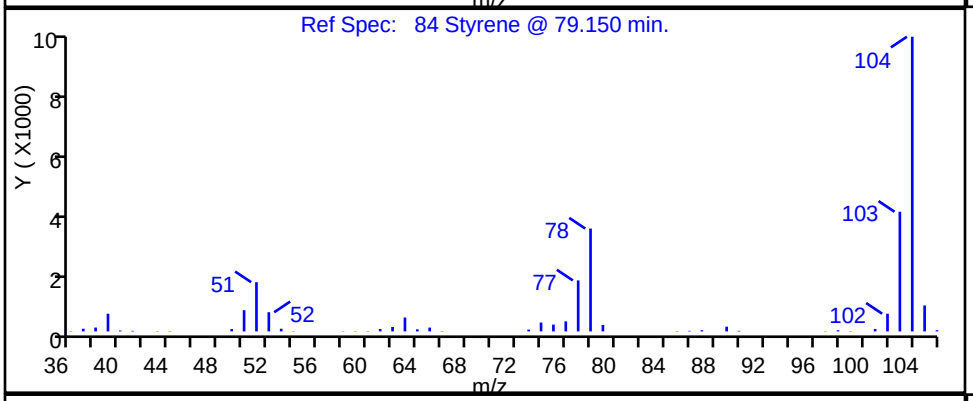
84 Styrene, CAS: 100-42-5

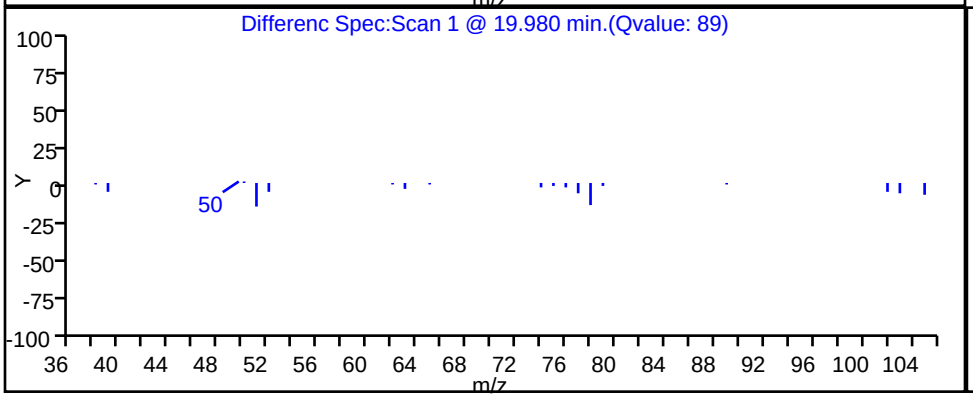


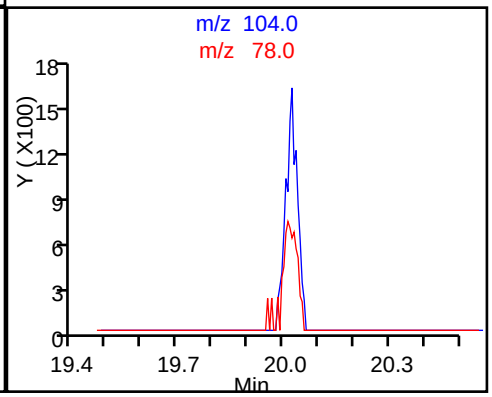












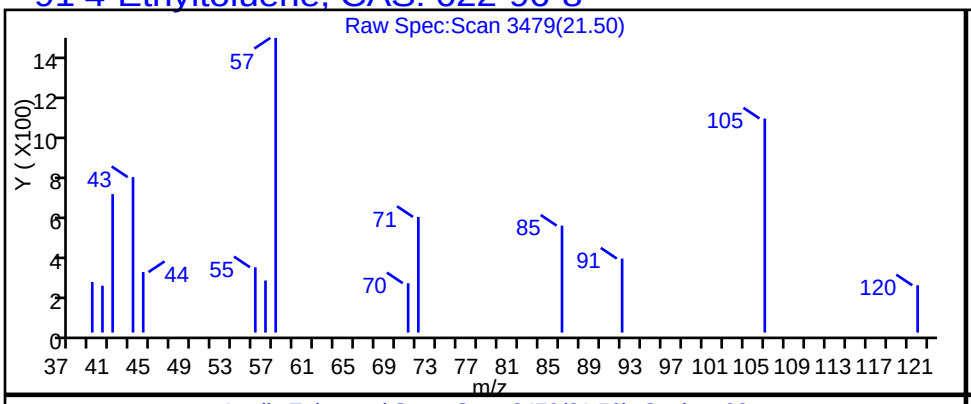
Report Date: 24-Jul-2014 10:20:49 Chrom Revision: 2.2 24-Jun-2014 07:21:42

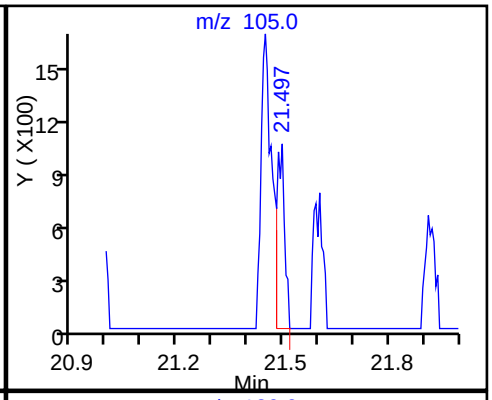
TestAmerica Burlington

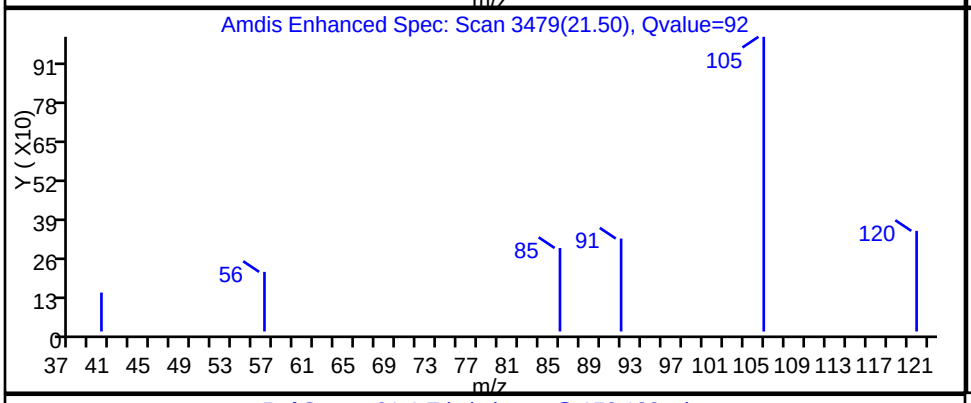
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140723-8677.b\8677_017.D

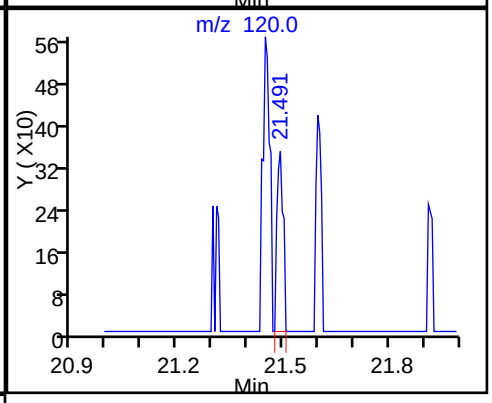
Injection Date:	23-Jul-2014 21:08:30	Instrument ID:	CHC.i		
Lims ID:	280-58003-A-10	Lab Sample ID:	200-58003-10		
Client ID:	776IA1LA				
Operator ID:	bpl	ALS Bottle#:	16	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

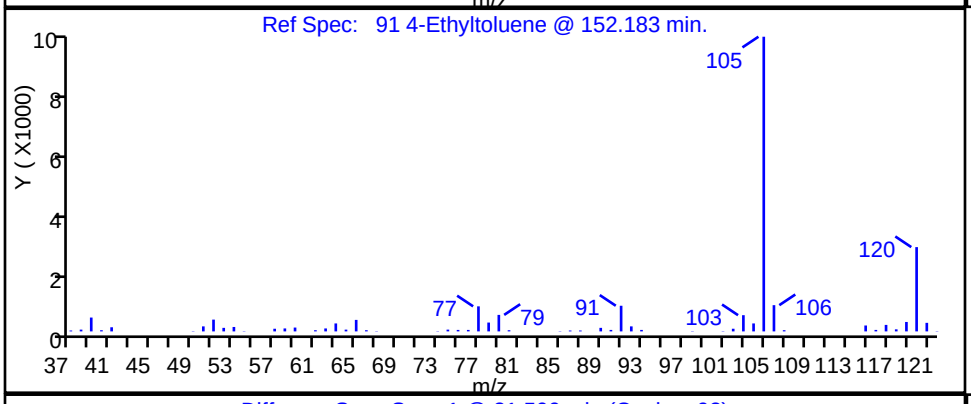
91 4-Ethyltoluene, CAS: 622-96-8

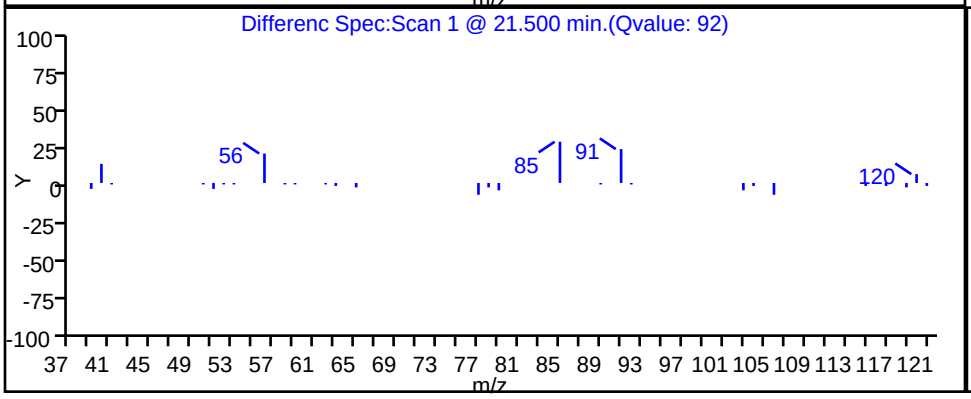


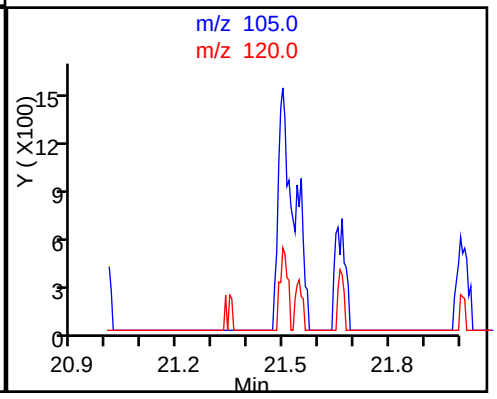












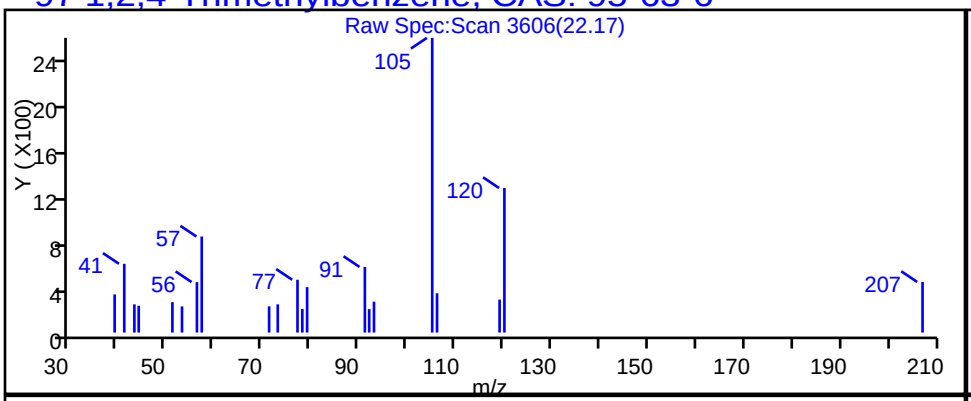
Report Date: 24-Jul-2014 10:20:49 Chrom Revision: 2.2 24-Jun-2014 07:21:42

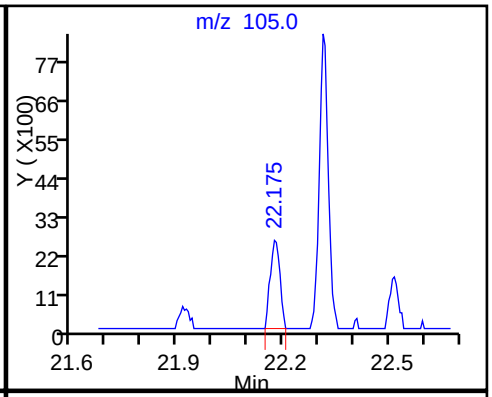
TestAmerica Burlington

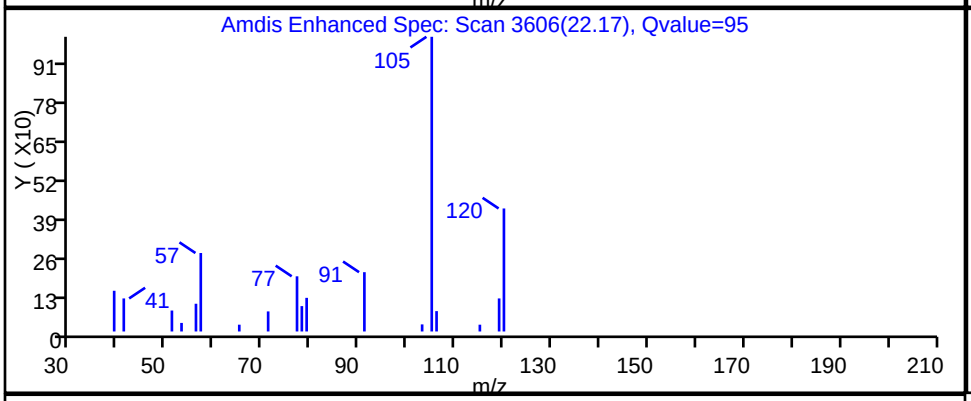
Data File: \\BTV-LIMS1\ChromData\CHC.i\20140723-8677.b\8677_017.D

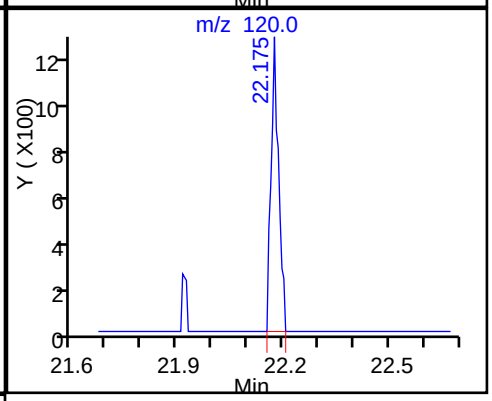
Injection Date:	23-Jul-2014 21:08:30	Instrument ID:	CHC.i		
Lims ID:	280-58003-A-10	Lab Sample ID:	200-58003-10		
Client ID:	776IA1LA				
Operator ID:	bpl	ALS Bottle#:	16	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

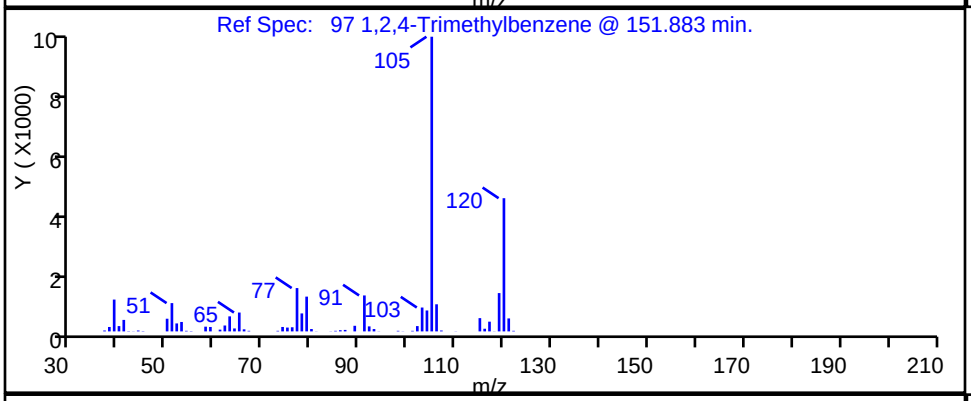
97 1,2,4-Trimethylbenzene, CAS: 95-63-6

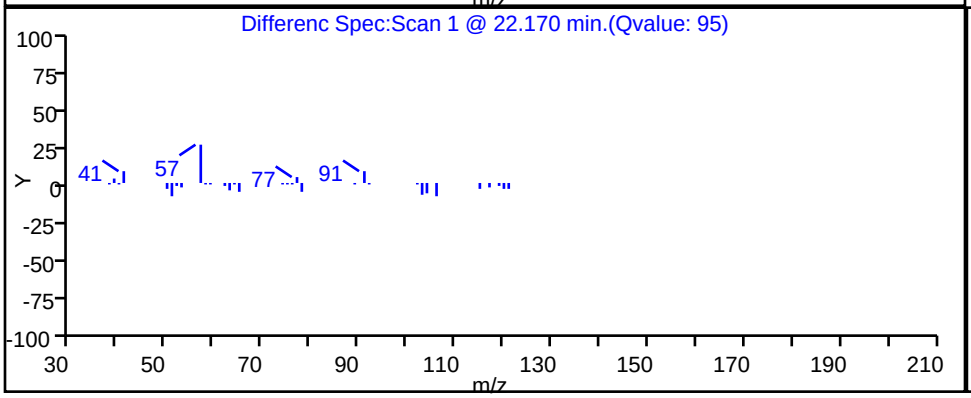


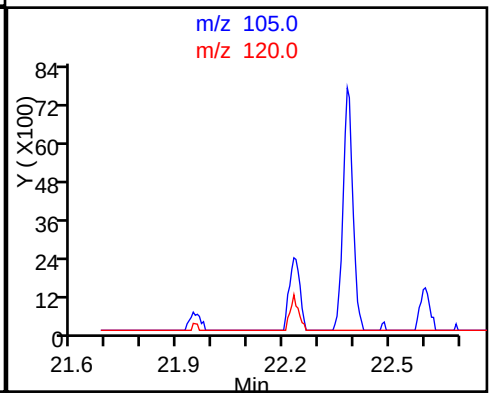












FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Client Sample ID: 774776CA01KA Lab Sample ID: 280-58003-11

Matrix: Air Lab File ID: 8696_014.d

Analysis Method: TO-15 Date Collected: 07/16/2014 11:45

Sample wt/vol: 40(mL) Date Analyzed: 07/24/2014 20:56

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.: 75271 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	1.4	J D	2.5	0.15
75-45-6	Freon 22	86.47	150	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	0.81	J D	2.5	0.68
106-97-8	n-Butane	58.12	2.5	U	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	4.3	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	27	D	25	6.3
67-63-0	Isopropyl alcohol	60.10	4.2	J 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	0.40	U	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	1.6	J 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	0.90	J D	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	0.24	J D	1.0	0.11
540-84-1	2,2,4-Trimethylpentane	114.23	0.40	U	1.0	0.14
71-43-2	Benzene	78.11	0.20	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.: 280-58003-1

SDG No.:

Client Sample ID: 774776CA01KA Lab Sample ID: 280-58003-11

Matrix: Air Lab File ID: 8696_014.d

Analysis Method: TO-15 Date Collected: 07/16/2014 11:45

Sample wt/vol: 40(mL) Date Analyzed: 07/24/2014 20:56

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.: 75271 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	18	D	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	0.40	U	2.5	0.14
108-88-3	Toluene	92.14	0.19	J 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	0.24	J D	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	0.073	J D	1.0	0.065
179601-23-1	m,p-Xylene	106.17	0.12	J D	2.5	0.12
95-47-6	Xylene, o-	106.17	0.15	U	1.0	0.080
1330-20-7	Xylene (total)	106.17	0.40	U	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	0.20	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	0.15	U	1.0	0.090
108-67-8	1,3,5-Trimethylbenzene	120.20	0.15	U	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	0.15	U	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.: 280-58003-1

SDG No.:

Client Sample ID: 774776CA01KA Lab Sample ID: 280-58003-11

Matrix: Air Lab File ID: 8696_014.d

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Sample wt/vol: 40(mL) Date Analyzed: 07/24/2014 20:56

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.: 75271 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.: 280-58003-1

SDG No.:

Client Sample ID: 774776CA01KA Lab Sample ID: 280-58003-11

Matrix: Air Lab File ID: 8696_014.d

Analysis Method: TO-15 Date Collected: 07/16/2014 11:45

Sample wt/vol: 40(mL) Date Analyzed: 07/24/2014 20:56

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.: 75271 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	6.9	J D	12	0.74
75-45-6	Freon 22	86.47	510	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	1.7	J D	5.2	1.4
106-97-8	n-Butane	58.12	5.9	U	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	24	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	63	D	59	15
67-63-0	Isopropyl alcohol	60.10	10	J 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	1.4	U	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	4.7	J 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	4.4	J D	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	1.5	J D	6.3	0.66
540-84-1	2,2,4-Trimethylpentane	114.23	1.9	U	4.7	0.63
71-43-2	Benzene	78.11	0.65	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.: 280-58003-1

SDG No.:

Client Sample ID: 774776CA01KA Lab Sample ID: 280-58003-11

Matrix: Air Lab File ID: 8696_014.d

Analysis Method: TO-15 Date Collected: 07/16/2014 11:45

Sample wt/vol: 40(mL) Date Analyzed: 07/24/2014 20:56

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.: 75271 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	97	D	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	1.6	U	10	0.55
108-88-3	Toluene	92.14	0.72	J 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	1.6	J D	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	0.32	J D	4.3	0.28
179601-23-1	m,p-Xylene	106.17	0.50	J D	11	0.50
95-47-6	Xylene, o-	106.17	0.65	U	4.3	0.35
1330-20-7	Xylene (total)	106.17	1.7	U	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	0.98	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	0.74	U	4.9	0.44
108-67-8	1,3,5-Trimethylbenzene	120.20	0.74	U	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	0.74	U	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.: 280-58003-1

SDG No.:

Client Sample ID: 774776CA01KA Lab Sample ID: 280-58003-11

Matrix: Air Lab File ID: 8696_014.d

Analysis Method: TO-15 Date Collected: 07/16/2014 11:45

Sample wt/vol: 40(mL) Date Analyzed: 07/24/2014 20:56

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.: 75271 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\20140724-8696.b\8696_014.d
Lims ID: 280-58003-A-11 Lab Sample ID: 200-58003-11
Client ID: 774776CA01KA
Sample Type: Client
Inject. Date: 24-Jul-2014 20:56:30 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 200.000 mL Dil. Factor: 5.0000
Sample Info: 200-0008696-014
Misc. Info.: 280-58003-a-11
Operator ID: bl Instrument ID: CHW.i

Method: \\BTV-LIMS1\ChromData\CHW.i\20140724-8696.b\TO15_LLNJ_TO3_W_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 25-Jul-2014 09:24:40 Calib Date: 15-Jun-2014 00:33:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20140613-8058.b\8058_017.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK009

First Level Reviewer: lyonsb Date: 25-Jul-2014 09:23:56

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	4.494	4.483	0.011	96	37165	0.2806	
6 Chlorodifluoromethane	51	4.558	4.552	0.006	97	1920163	29.0	
7 1,2-Dichloro-1,1,2,2-tetra	85		4.836				ND	
8 Chloromethane	50	5.039	5.029	0.010	97	6312	0.1611	
9 Butane	43		5.291				ND	
10 Vinyl chloride	62		5.350				ND	
11 Butadiene	54		5.446				ND	
12 Bromomethane	94		6.312				ND	
14 Chloroethane	64		6.596				ND	
16 Vinyl bromide	106		7.077				ND	
17 Trichlorofluoromethane	101	7.201	7.190	0.011	98	126135	0.8632	
23 1,1,2-Trichloro-1,2,2-trif	101		8.436				ND	
24 1,1-Dichloroethene	96		8.511				ND	
25 Acetone	43	8.747	8.741	0.006	90	368929	5.34	
26 Carbon disulfide	76		8.998				ND	
27 Isopropyl alcohol	45	9.030	9.025	0.005	97	49340	0.8463	
29 3-Chloro-1-propene	41		9.399				ND	
31 Methylene Chloride	49		9.726				ND	
32 2-Methyl-2-propanol	59		9.891				ND	
33 Methyl tert-butyl ether	73		10.148				ND	
S 41 1,2-Dichloroethene, Total	61		10.200				0	
34 trans-1,2-Dichloroethene	61		10.223				ND	
36 Hexane	57		10.635				ND	
37 1,1-Dichloroethane	63		11.186				ND	
39 cis-1,2-Dichloroethene	96		12.363				ND	
40 2-Butanone (MEK)	72	12.379	12.374	0.005	98	9260	0.3174	
44 Tetrahydrofuran	42		12.839				ND	
* 43 Chlorobromomethane	128	12.845	12.844	0.001	77	452886	10.0	
45 Chloroform	83	12.957	12.957	0.000	98	19316	0.1792	
46 Cyclohexane	84		13.251				ND	
47 1,1,1-Trichloroethane	97		13.262				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
48 Carbon tetrachloride	117	13.508	13.519	-0.010	79	6288	0.0490	
51 Isooctane	57		13.909				ND	
50 Benzene	78	13.973	13.968	0.005	95	7073	0.0406	
52 1,2-Dichloroethane	62		14.128				ND	
53 n-Heptane	43		14.262				ND	
* 54 1,4-Difluorobenzene	114	14.728	14.728	0.000	92	2218063	10.0	
56 Trichloroethene	95	15.193	15.193	0.000	93	294017	3.61	
58 1,2-Dichloropropane	63		15.712				ND	
59 Methyl methacrylate	69		15.797				ND	
60 1,4-Dioxane	88		15.888				ND	
62 Dichlorobromomethane	83		16.209				ND	
64 cis-1,3-Dichloropropene	75		17.065				ND	
65 4-Methyl-2-pentanone (MIBK	43		17.295				ND	
66 Toluene	92	17.643	17.638	0.005	92	5365	0.0381	
70 trans-1,3-Dichloropropene	75		18.173				ND	
71 1,1,2-Trichloroethane	83		18.542				ND	
72 Tetrachloroethene	166	18.692	18.681	0.011	93	7074	0.0485	
73 2-Hexanone	43		18.922				ND	
74 Chlorodibromomethane	129		19.296				ND	
75 Ethylene Dibromide	107		19.580				ND	
S 82 Xylenes, Total	106				0		0.0374	
* 76 Chlorobenzene-d5	117	20.425	20.425	0.000	82	1980114	10.0	
77 Chlorobenzene	112		20.484				ND	
78 Ethylbenzene	91	20.586	20.596	-0.010	93	4091	0.0146	
80 m-Xylene & p-Xylene	106	20.810	20.810	0.000	64	2771	0.0232	
83 o-Xylene	106	21.522	21.527	-0.005	93	1743	0.0143	
84 Styrene	104		21.564				ND	
85 Bromoform	173		21.944				ND	
86 Isopropylbenzene	105	22.089	22.089	0.000	94	13269	0.0398	
$ 87 4-Bromofluorobenzene	95	22.426	22.426	0.000	97	1276023	NC	
88 1,1,2,2-Tetrachloroethane	83		22.650				ND	
90 N-Propylbenzene	91		22.725				ND	
91 4-Ethyltoluene	105		22.891				ND	
92 2-Chlorotoluene	91		22.929				ND	
94 1,3,5-Trimethylbenzene	105		22.982				ND	
96 tert-Butylbenzene	119		23.458				ND	
97 1,2,4-Trimethylbenzene	105		23.555				ND	
98 sec-Butylbenzene	105		23.790				ND	
99 4-Isopropyltoluene	119		23.993				ND	
100 1,3-Dichlorobenzene	146		24.063				ND	
101 1,4-Dichlorobenzene	146		24.207				ND	
102 Benzyl chloride	91		24.416				ND	
103 n-Butylbenzene	91		24.630				ND	
105 1,2-Dichlorobenzene	146		24.812				ND	
107 1,2,4-Trichlorobenzene	180		27.695				ND	
108 Hexachlorobutadiene	225		27.899				ND	
109 Naphthalene	128		28.278				ND	

QC Flag Legend

Processing Flags
NC - Not Calibrated
ND - Not Detected or Marked ND

Reagents:

ATTO15WISs_00003 Amount Added: 20.00 Units: mL Run Reagent

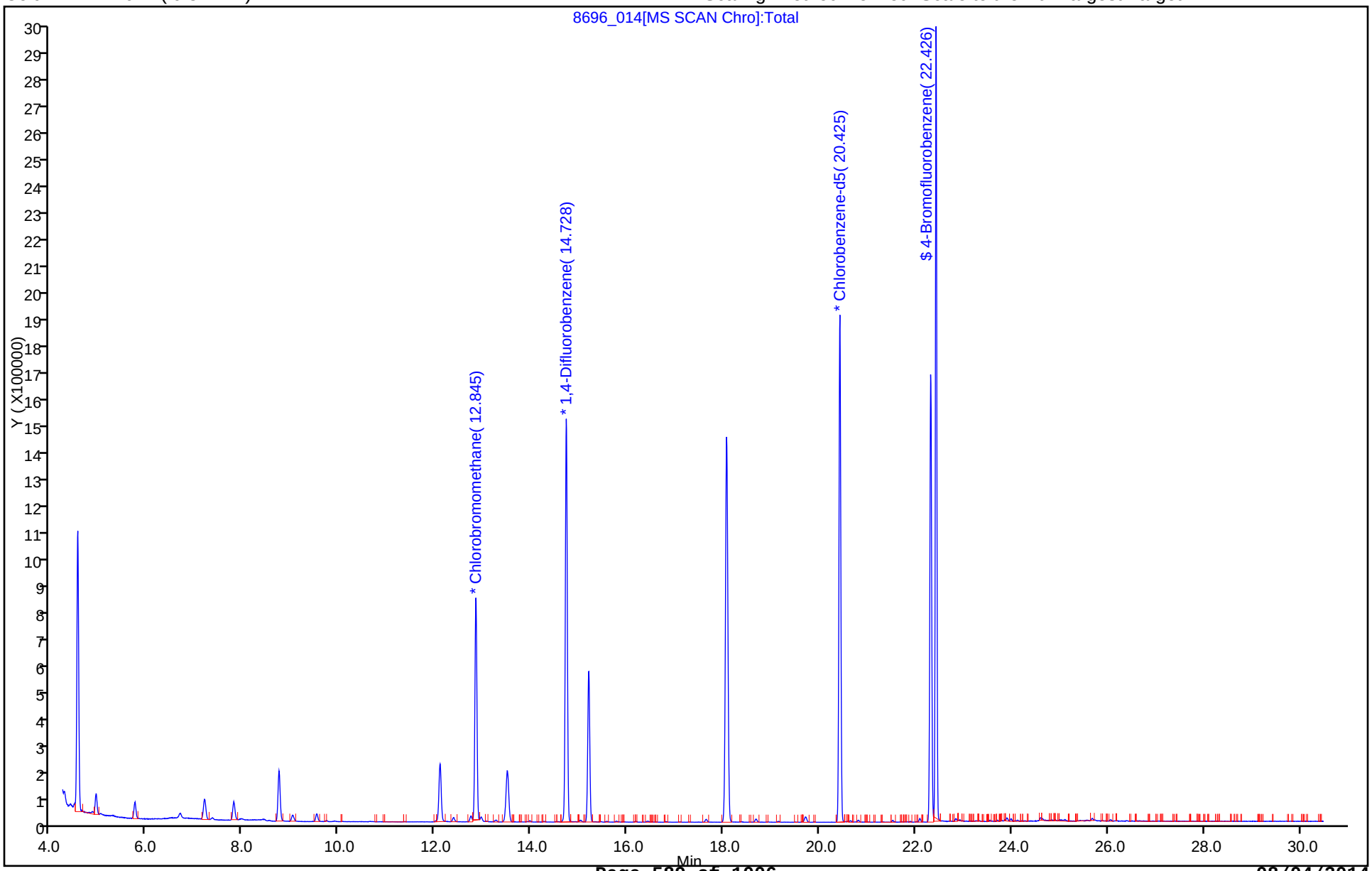
Report Date: 25-Jul-2014 09:24:41 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140724-8696.b\8696_014.d

Injection Date:	24-Jul-2014 20:56:30	Instrument ID:	CHW.i	Operator ID:	bl
Lims ID:	280-58003-A-11	Lab Sample ID:	200-58003-11	Worklist Smp#:	14
Client ID:	774776CA01KA				
Purge Vol:	200.000 mL	Dil. Factor:	5.0000	ALS Bottle#:	13
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



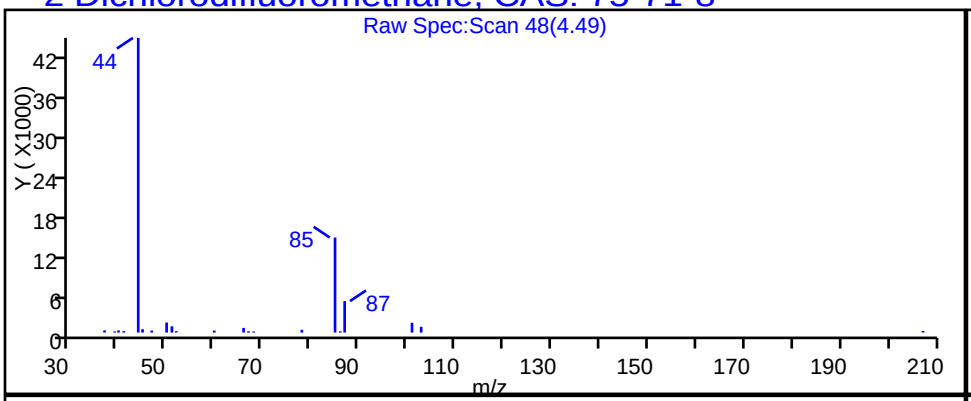
Report Date: 25-Jul-2014 09:24:41 Chrom Revision: 2.2 24-Jun-2014 07:21:42

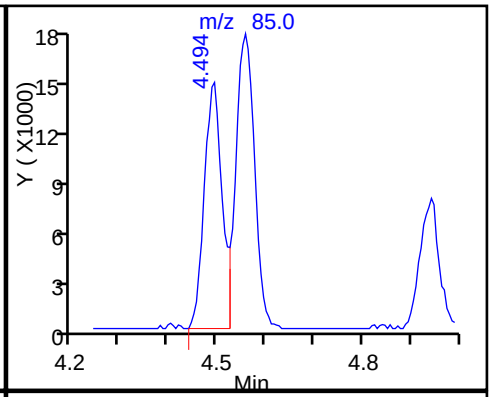
TestAmerica Burlington

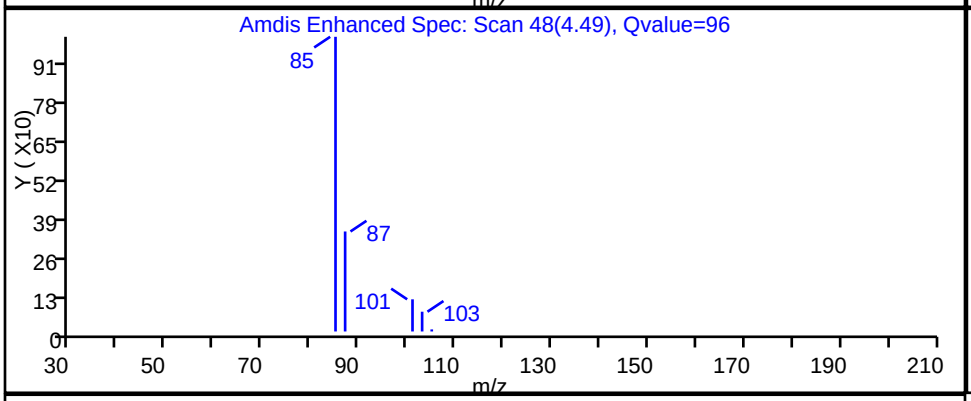
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140724-8696.b\8696_014.d

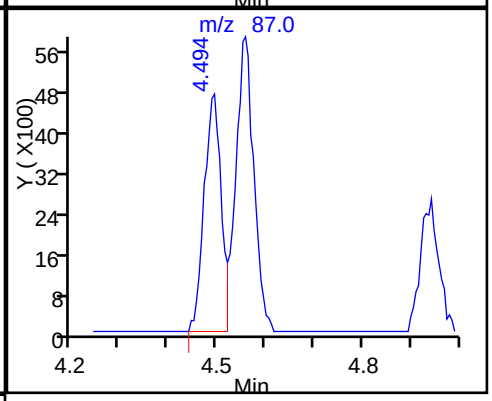
Injection Date:	24-Jul-2014 20:56:30	Instrument ID:	CHW.i		
Lims ID:	280-58003-A-11	Lab Sample ID:	200-58003-11		
Client ID:	774776CA01KA				
Operator ID:	bl	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	200.000 mL	Dil. Factor:	5.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

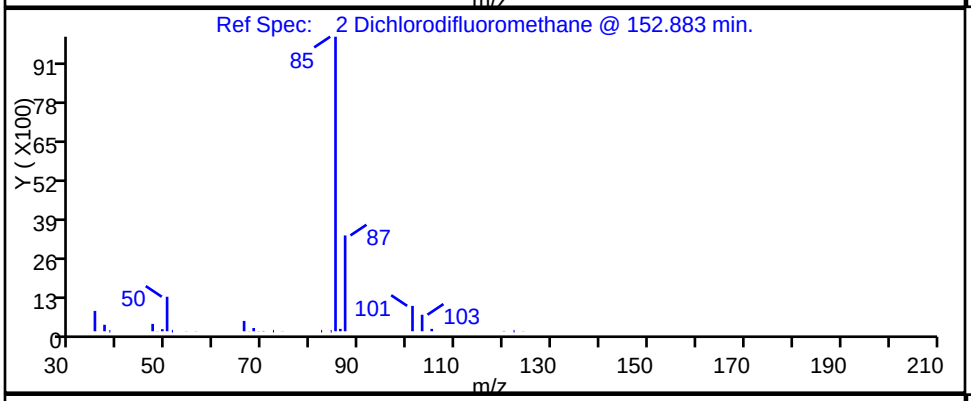
2 Dichlorodifluoromethane, CAS: 75-71-8

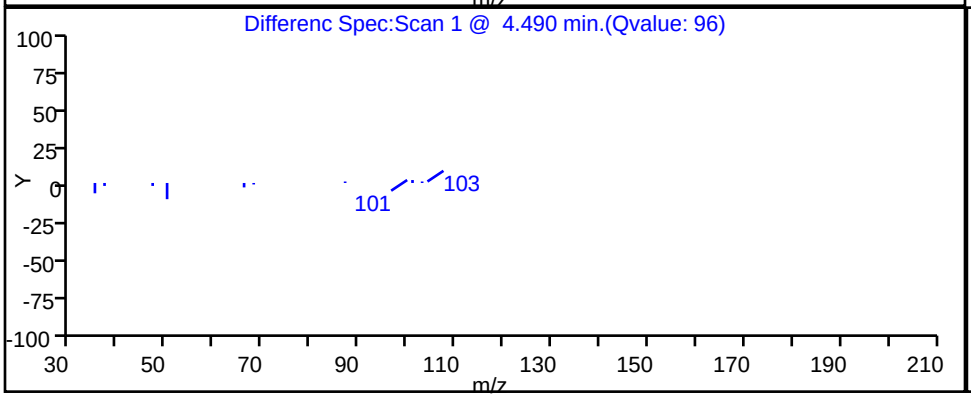


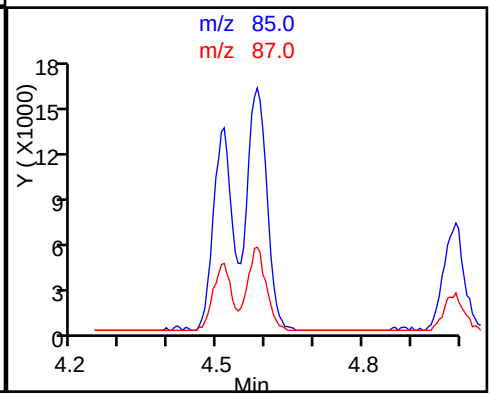












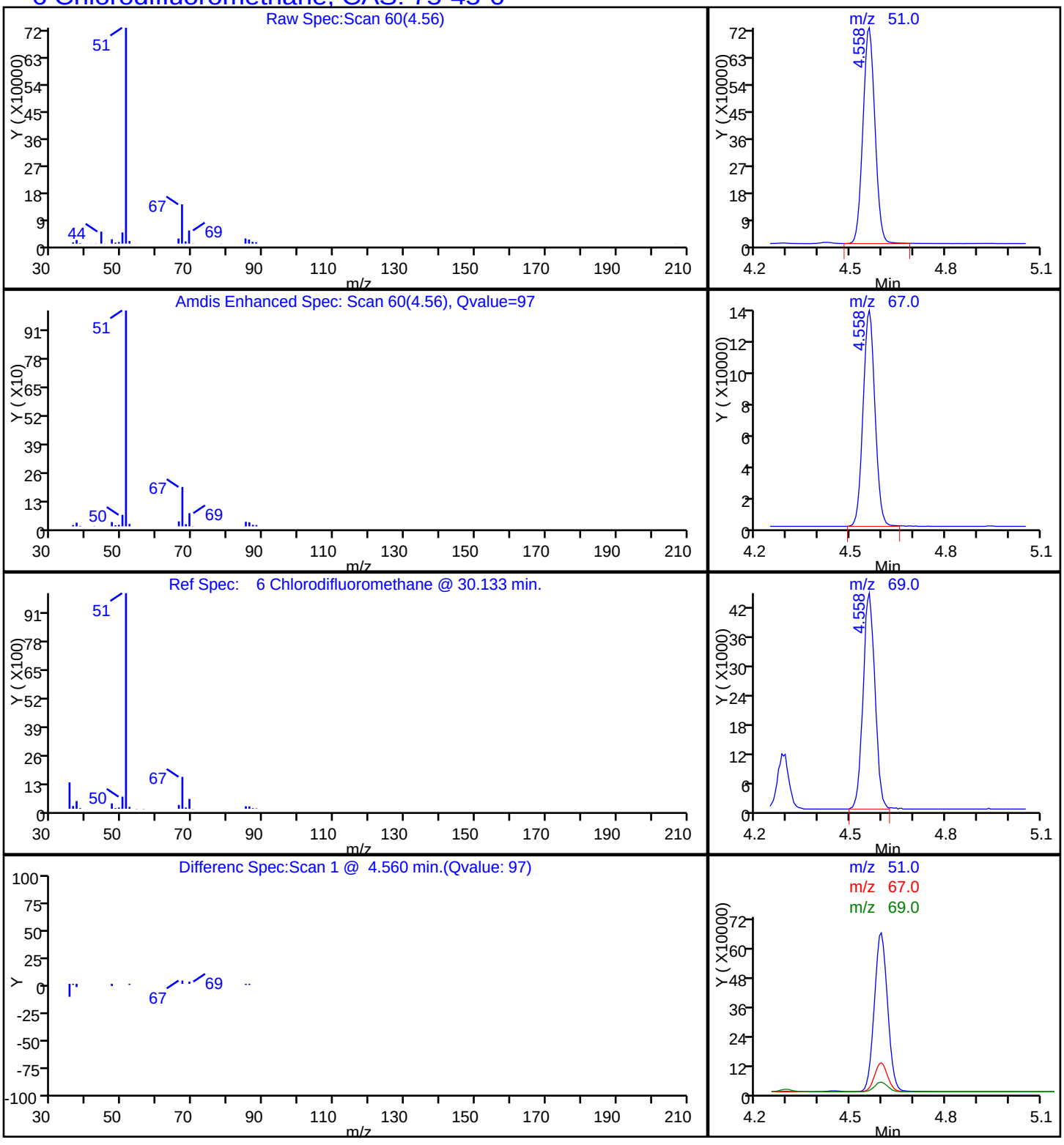
Report Date: 25-Jul-2014 09:24:41 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140724-8696.b\8696_014.d

Injection Date:	24-Jul-2014 20:56:30	Instrument ID:	CHW.i		
Lims ID:	280-58003-A-11	Lab Sample ID:	200-58003-11		
Client ID:	774776CA01KA				
Operator ID:	bl	ALS Bottle#:	13	Worklist Smp#:	14
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		

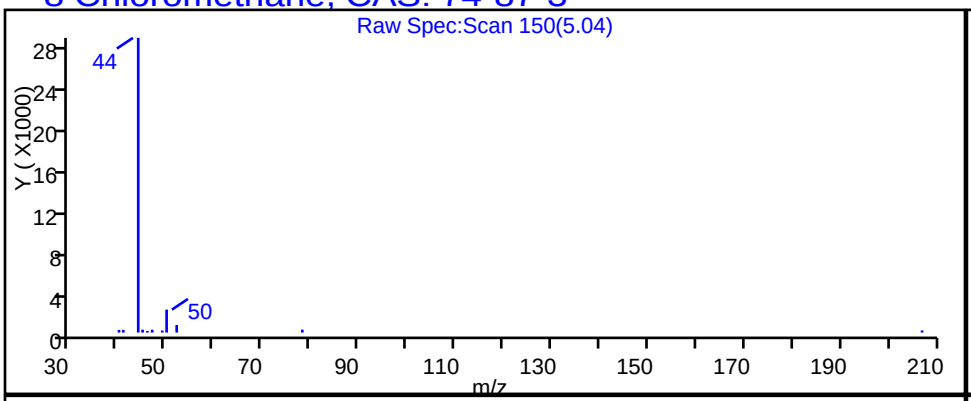
6 Chlorodifluoromethane, CAS: 75-45-6

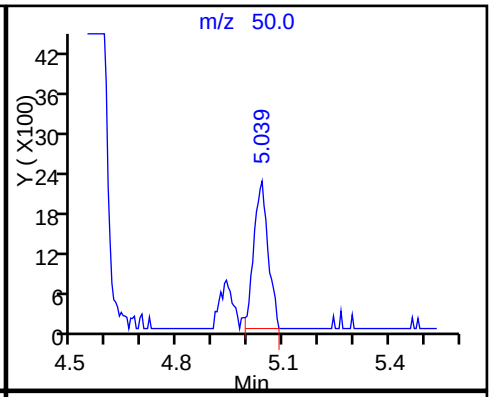


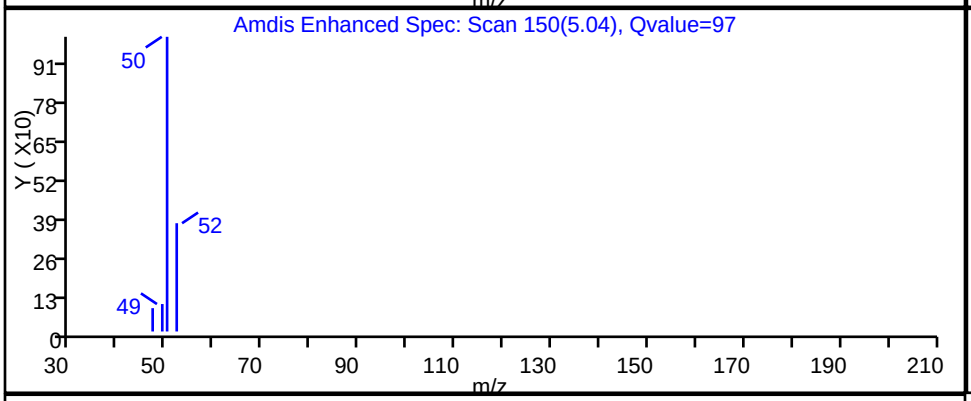
TestAmerica Burlington

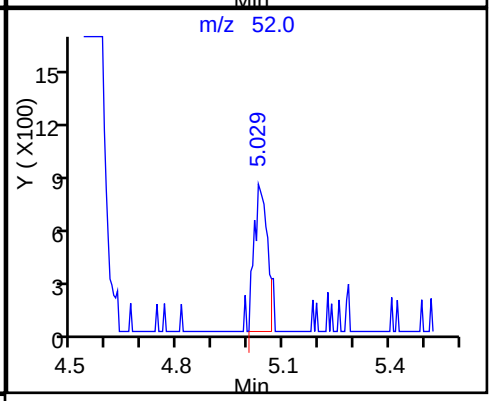
Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140724-8696.b\8696_014.d				
Injection Date:	24-Jul-2014 20:56:30	Instrument ID:	CHW.i		
Lims ID:	280-58003-A-11	Lab Sample ID:	200-58003-11		
Client ID:	774776CA01KA				
Operator ID:	bl	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	200.000 mL	Dil. Factor:	5.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

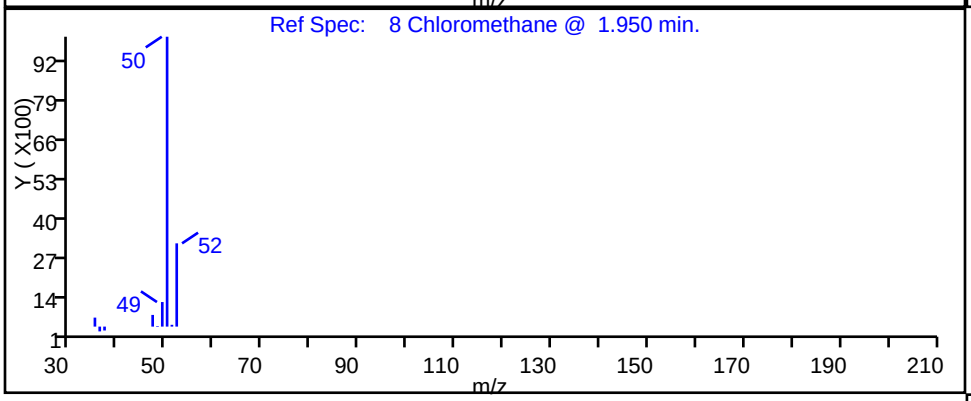
8 Chloromethane, CAS: 74-87-3

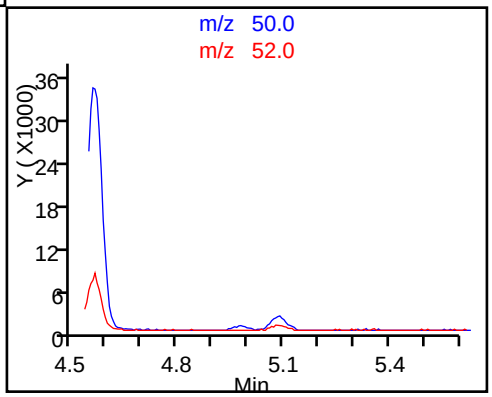












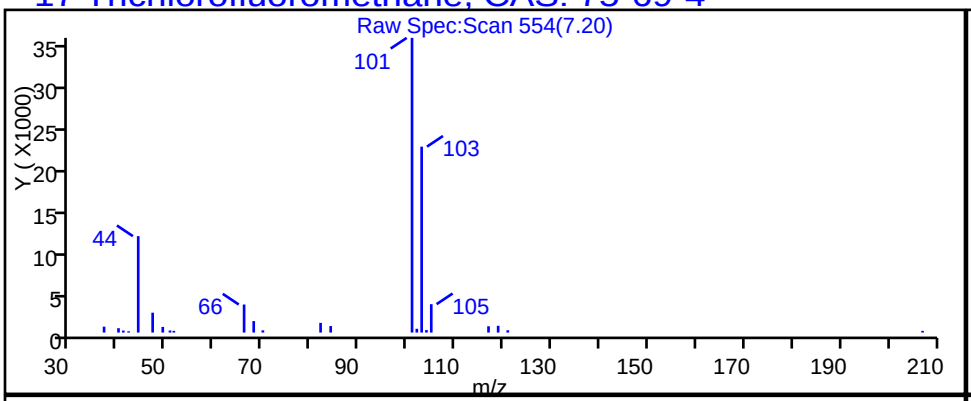
Report Date: 25-Jul-2014 09:24:41 Chrom Revision: 2.2 24-Jun-2014 07:21:42

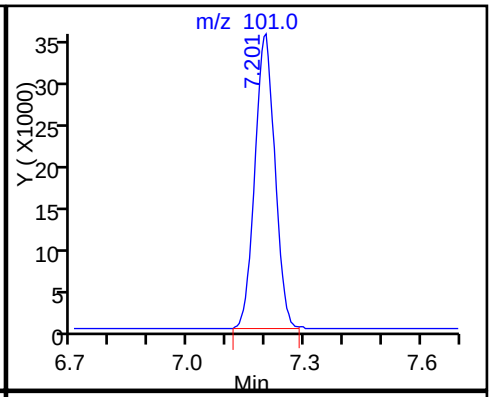
TestAmerica Burlington

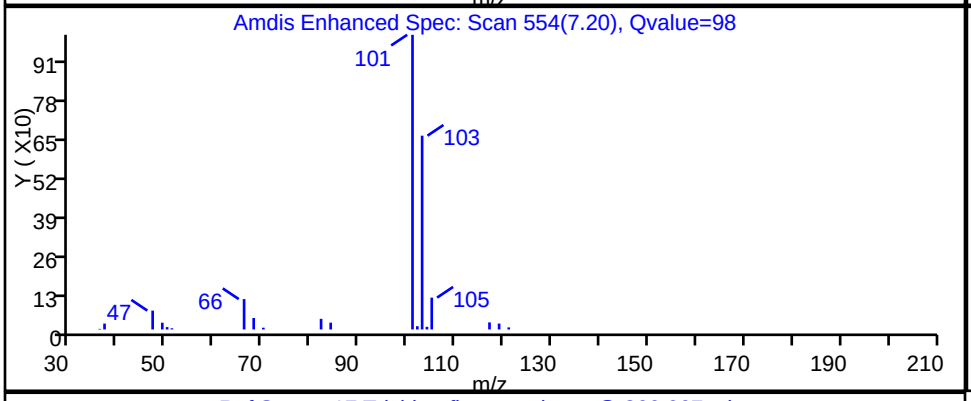
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140724-8696.b\8696_014.d

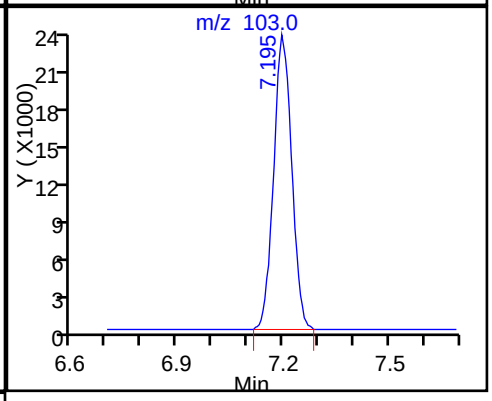
Injection Date:	24-Jul-2014 20:56:30	Instrument ID:	CHW.i		
Lims ID:	280-58003-A-11	Lab Sample ID:	200-58003-11		
Client ID:	774776CA01KA				
Operator ID:	bl	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	200.000 mL	Dil. Factor:	5.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

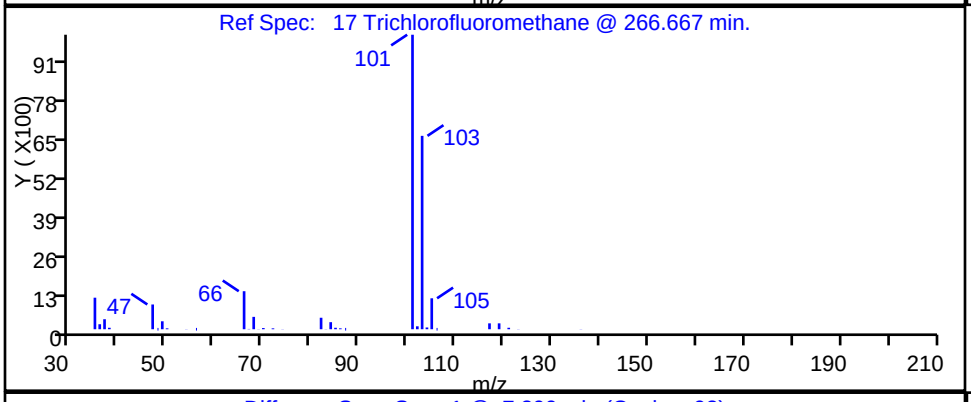
17 Trichlorofluoromethane, CAS: 75-69-4

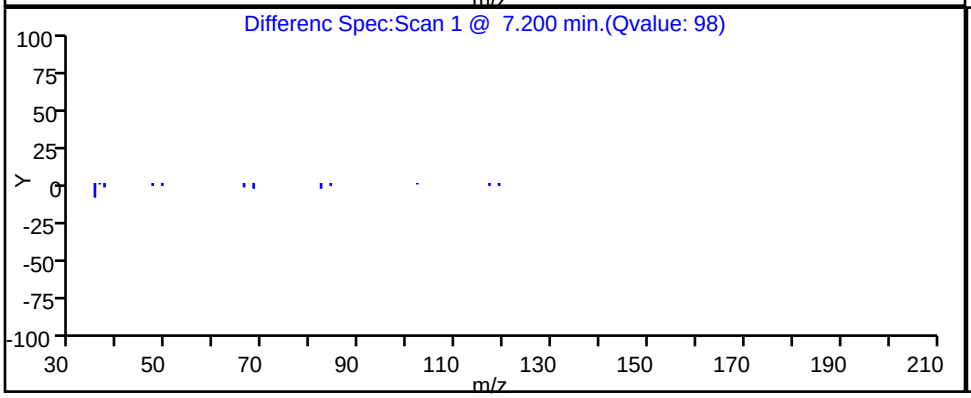


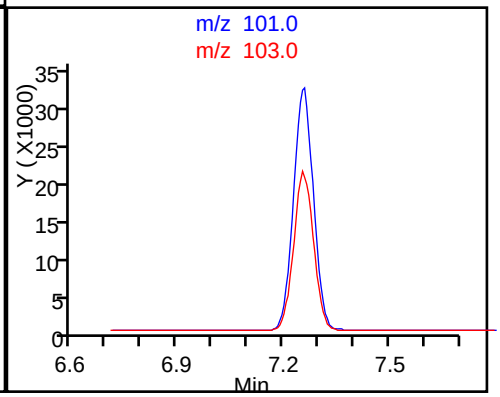








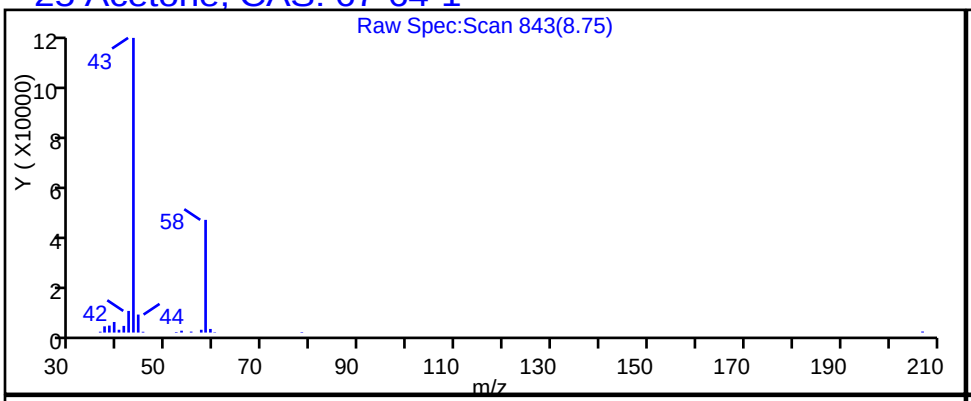


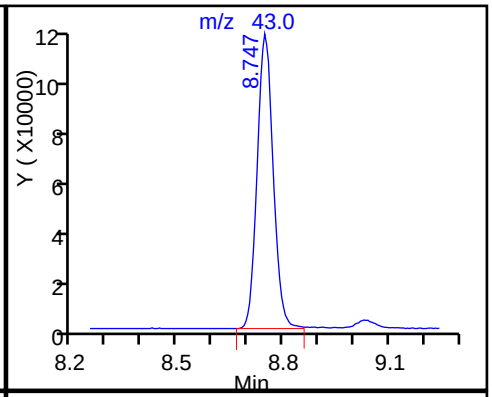


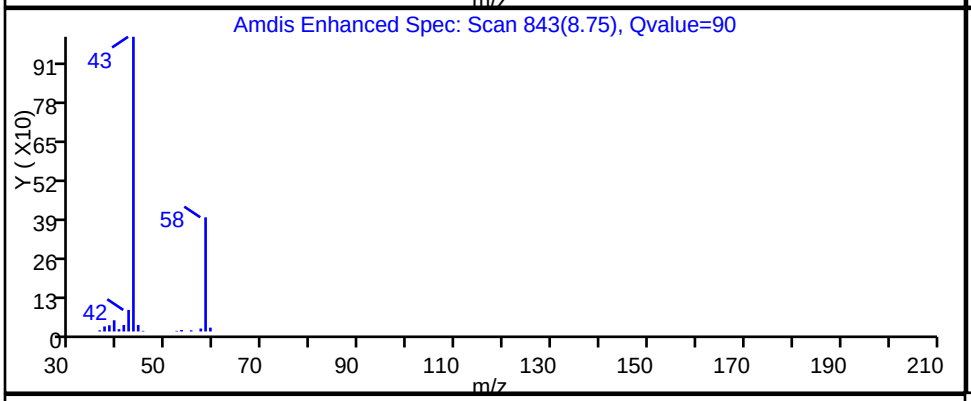
TestAmerica Burlington

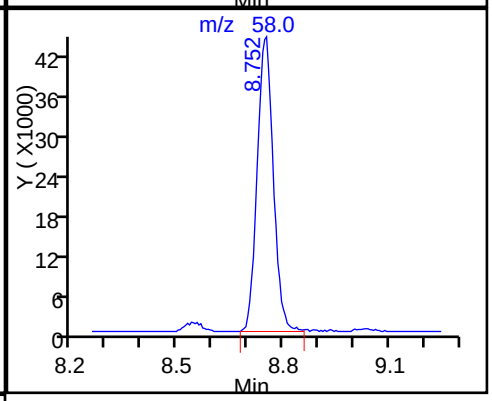
Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140724-8696.b\8696_014.d				
Injection Date:	24-Jul-2014 20:56:30	Instrument ID:	CHW.i		
Lims ID:	280-58003-A-11	Lab Sample ID:	200-58003-11		
Client ID:	774776CA01KA				
Operator ID:	bl	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	200.000 mL	Dil. Factor:	5.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

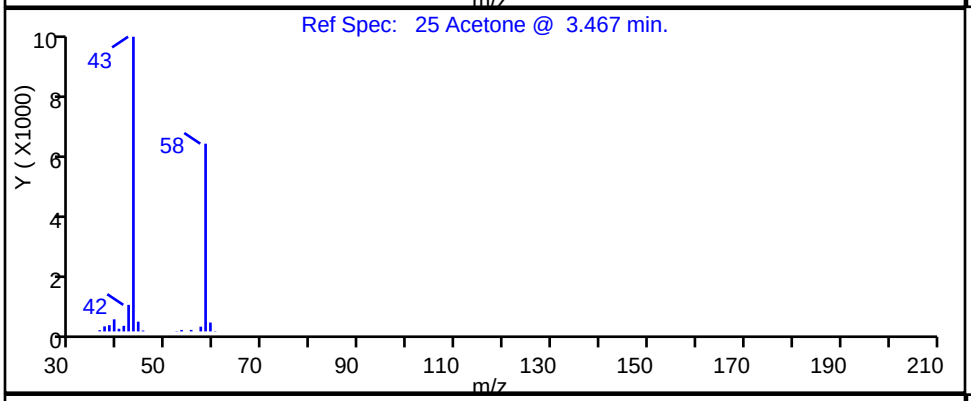
25 Acetone, CAS: 67-64-1

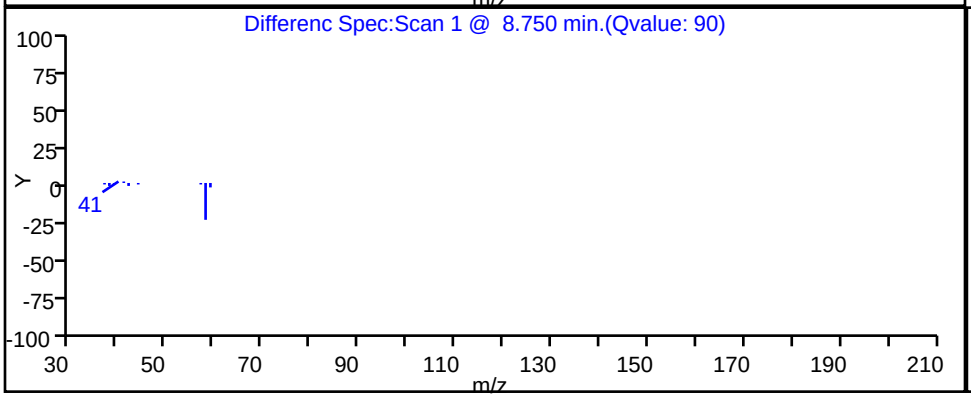


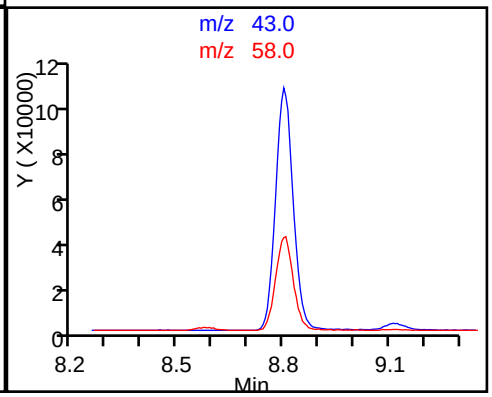








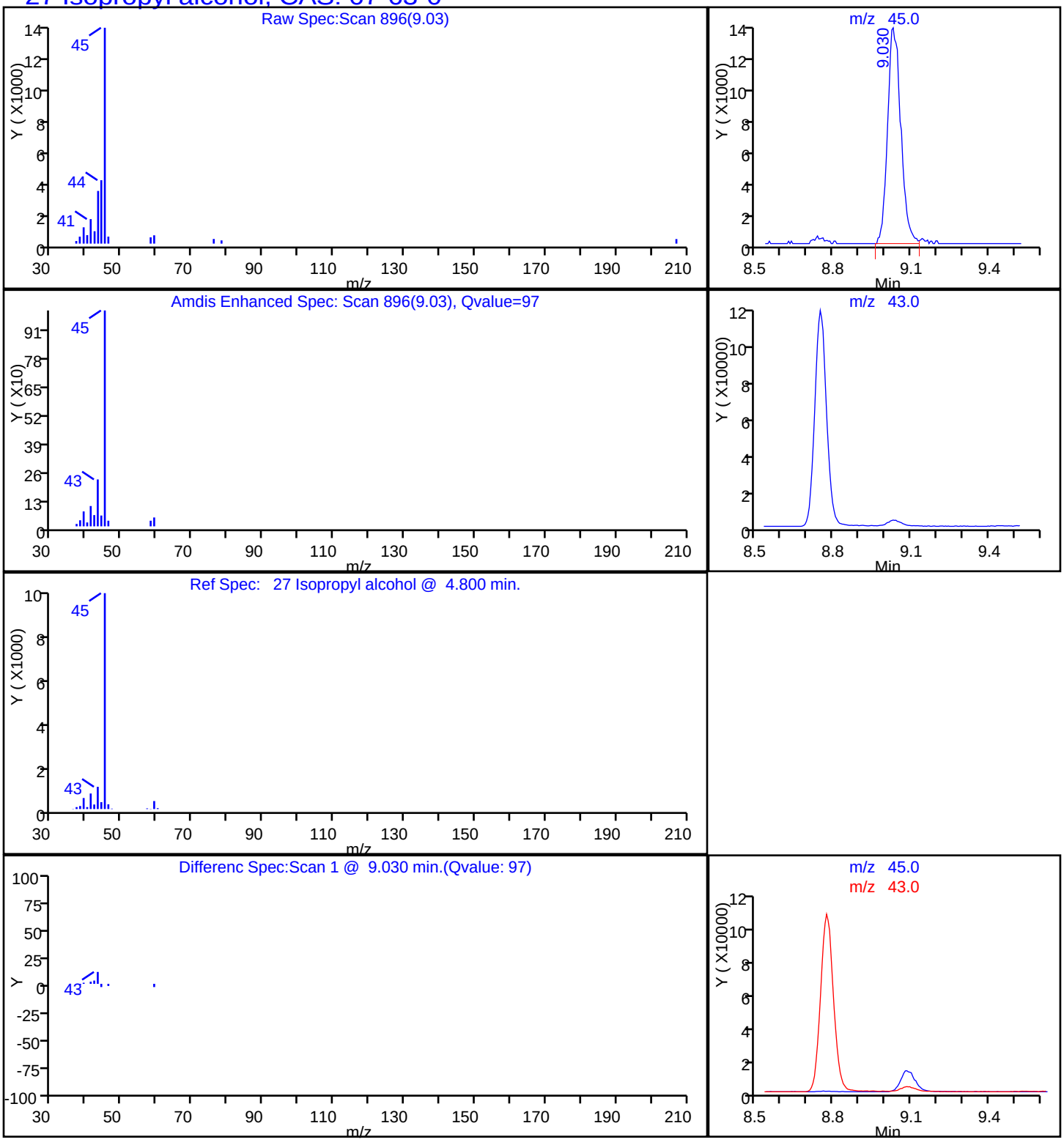




TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140724-8696.b\8696_014.d				
Injection Date:	24-Jul-2014 20:56:30	Instrument ID:	CHW.i		
Lims ID:	280-58003-A-11	Lab Sample ID:	200-58003-11		
Client ID:	774776CA01KA				
Operator ID:	bl	ALS Bottle#:	13	Worklist Smp#:	14
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



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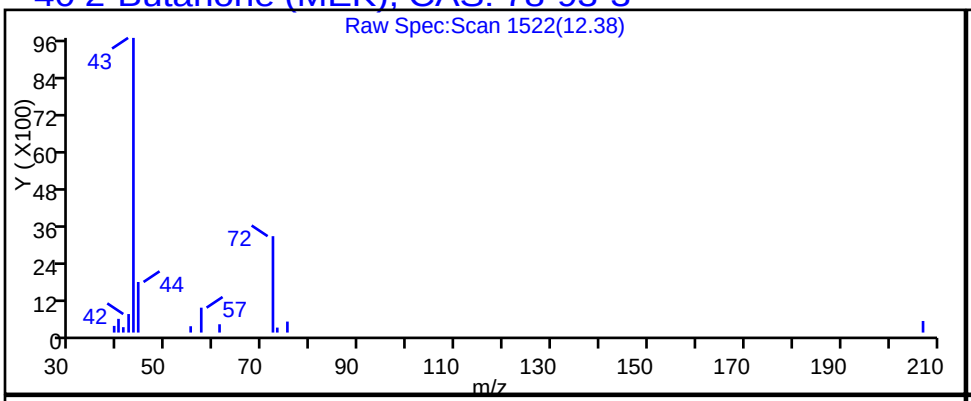
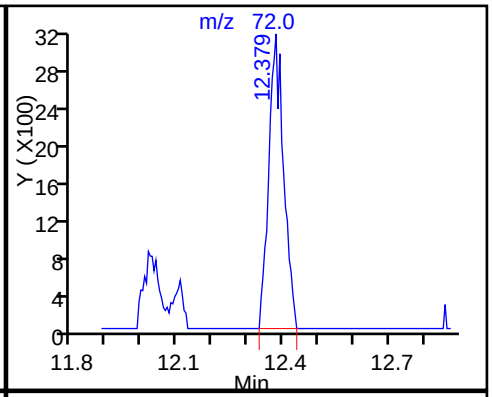
TestAmerica Burlington

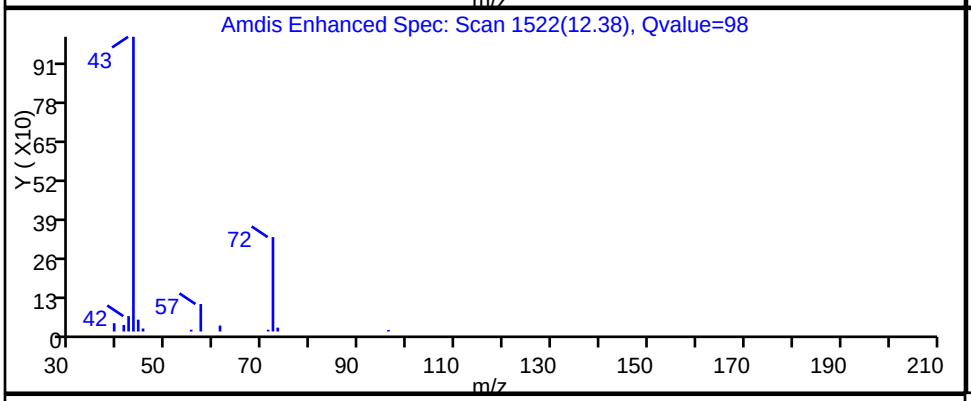
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140724-8696.b\8696_014.d

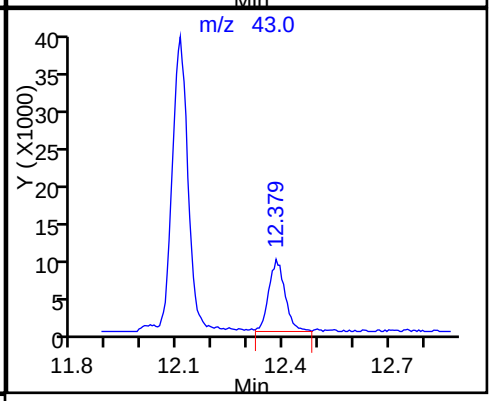
Injection Date:	24-Jul-2014 20:56:30	Instrument ID:	CHW.i		
Lims ID:	280-58003-A-11	Lab Sample ID:	200-58003-11		
Client ID:	774776CA01KA				
Operator ID:	bl	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	200.000 mL	Dil. Factor:	5.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

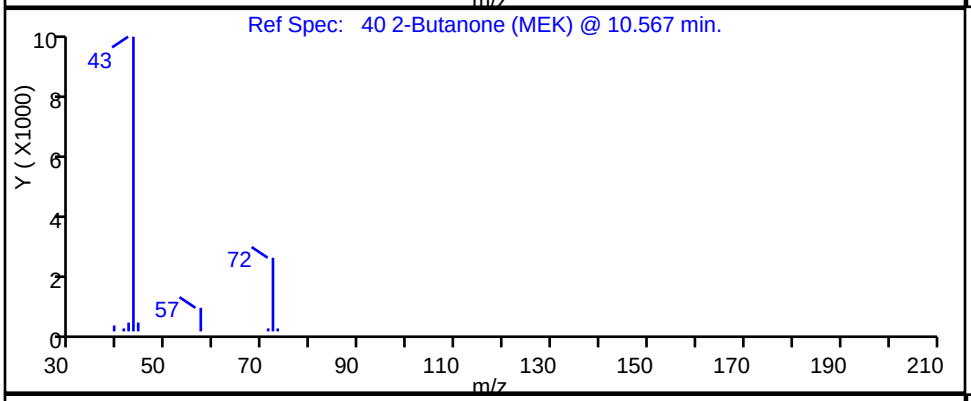
40 2-Butanone (MEK), CAS: 78-93-3

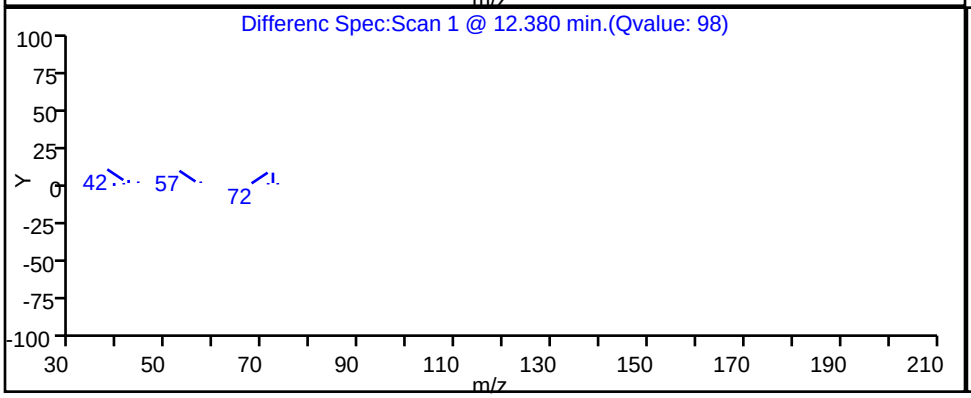


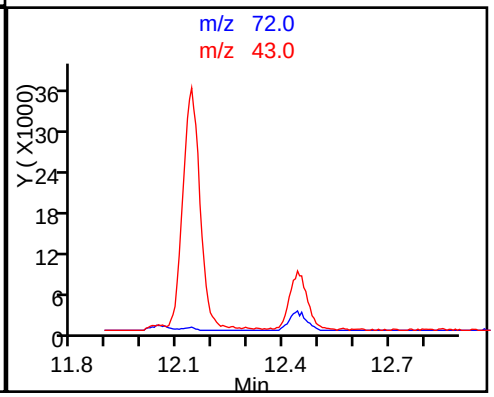












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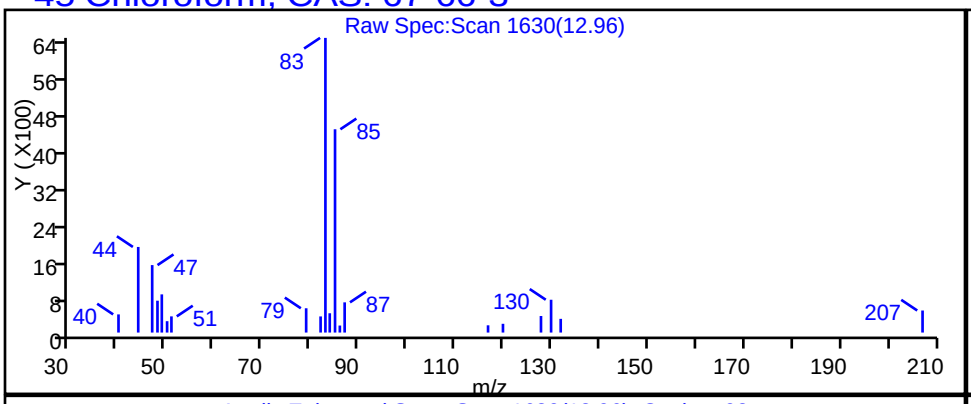
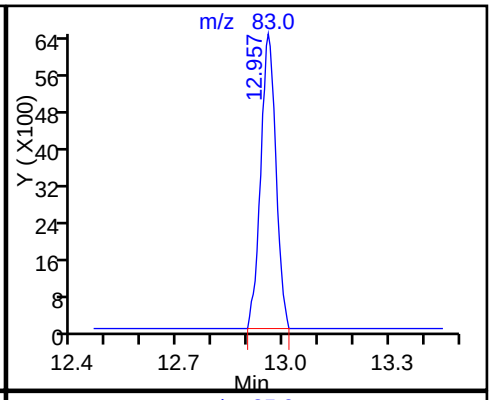
TestAmerica Burlington

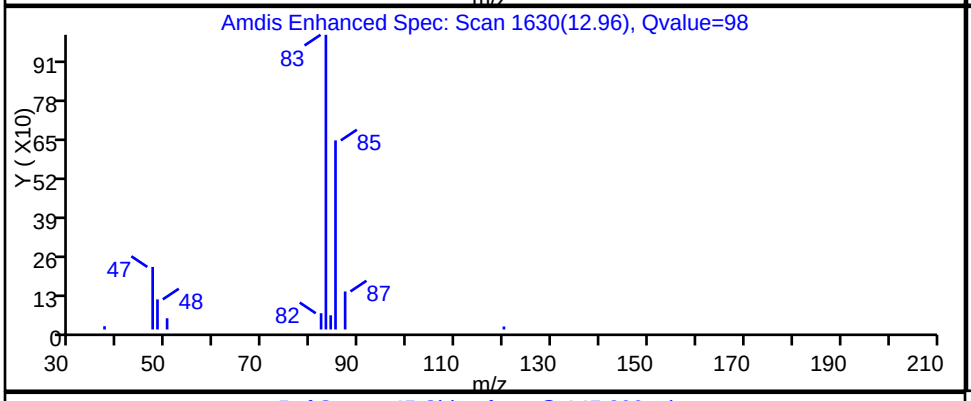
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140724-8696.b\8696_014.d

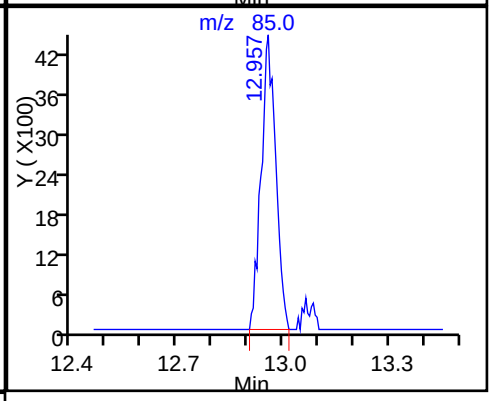
Injection Date:	24-Jul-2014 20:56:30	Instrument ID:	CHW.i		
Lims ID:	280-58003-A-11	Lab Sample ID:	200-58003-11		
Client ID:	774776CA01KA				
Operator ID:	bl	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	200.000 mL	Dil. Factor:	5.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

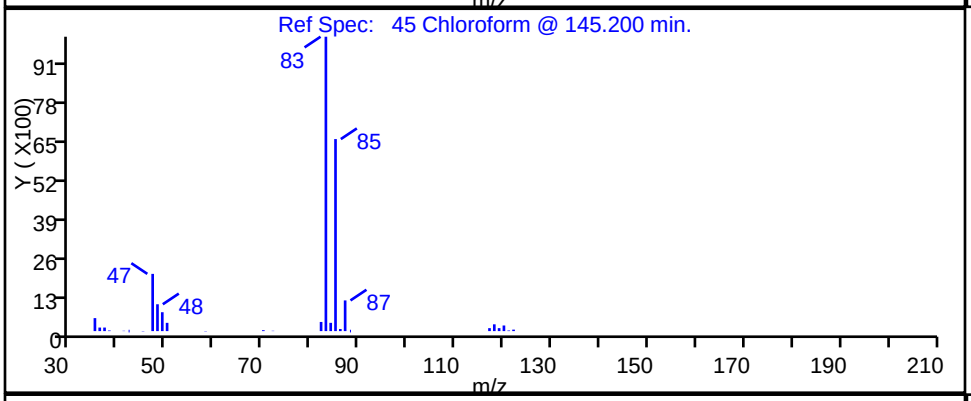
45 Chloroform, CAS: 67-66-3

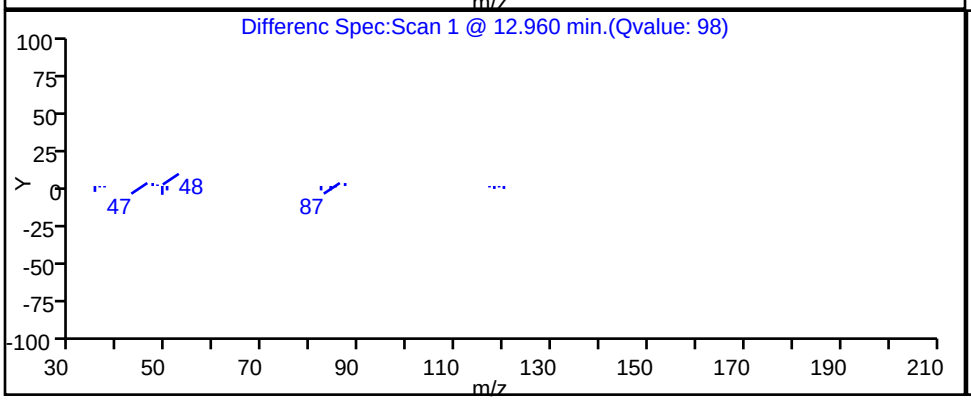


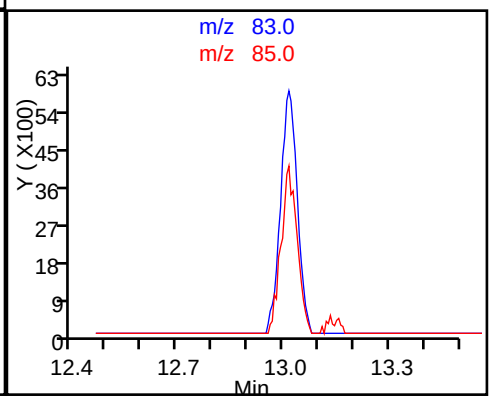












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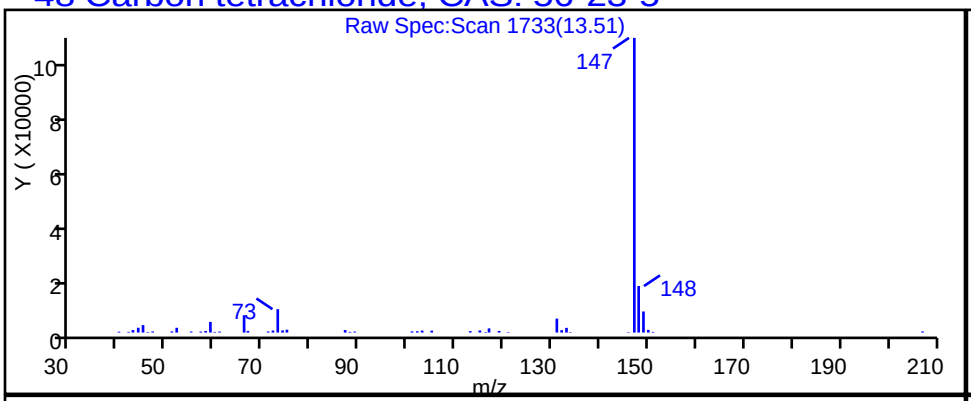
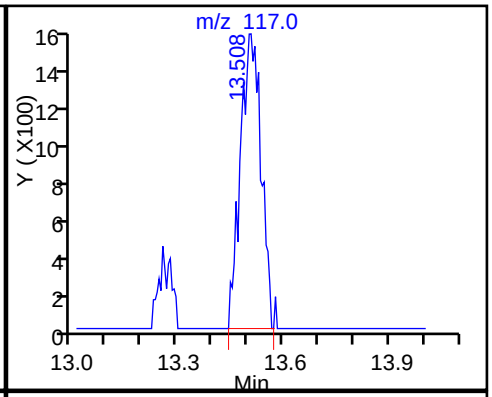
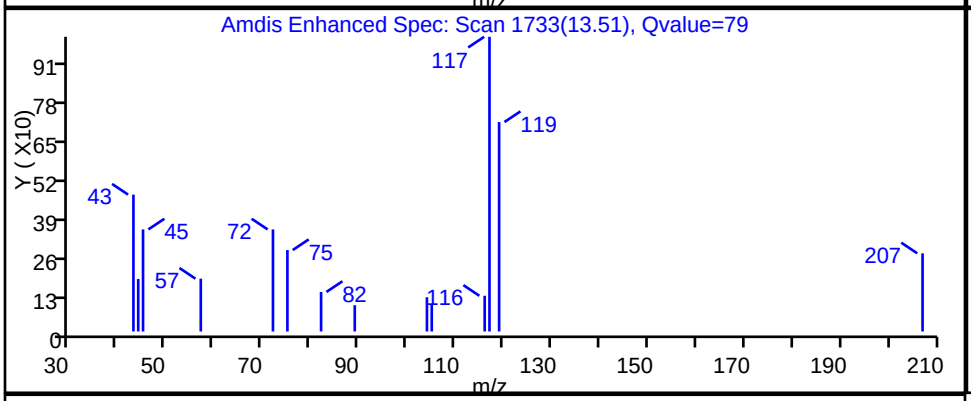
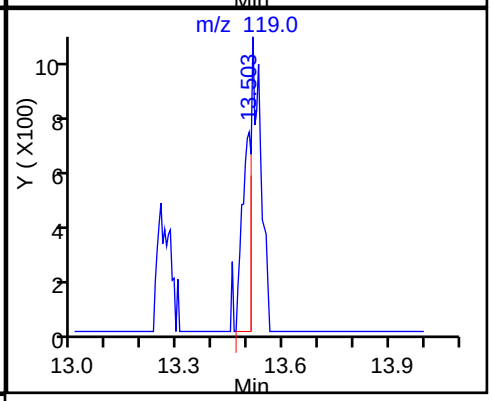
Injection Date:	24-Jul-2014 20:56:30	Instrument ID:	CHW.i		
Lims ID:	280-58003-A-11	Lab Sample ID:	200-58003-11		
Client ID:	774776CA01KA				
Operator ID:	bl	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	200.000 mL	Dil. Factor:	5.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

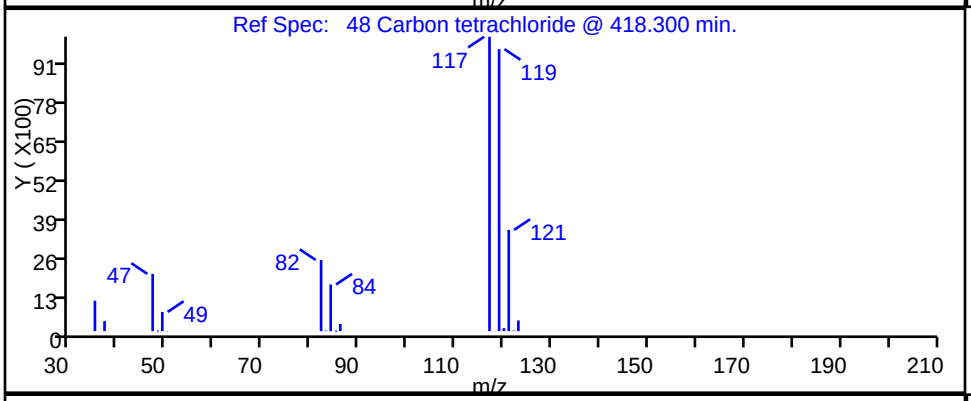
48 Carbon tetrachloride, CAS: 56-23-5

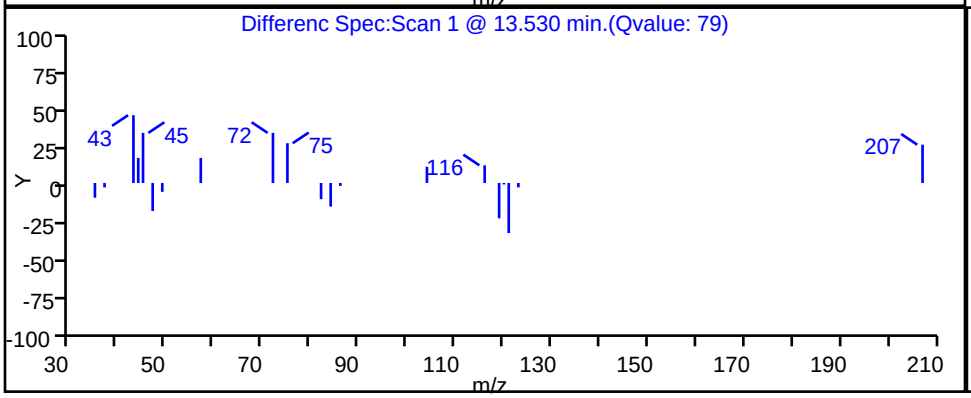


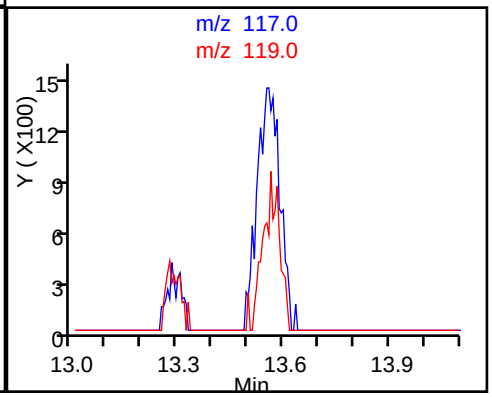












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TestAmerica Burlington

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Injection Date:	24-Jul-2014 20:56:30	Instrument ID:	CHW.i		
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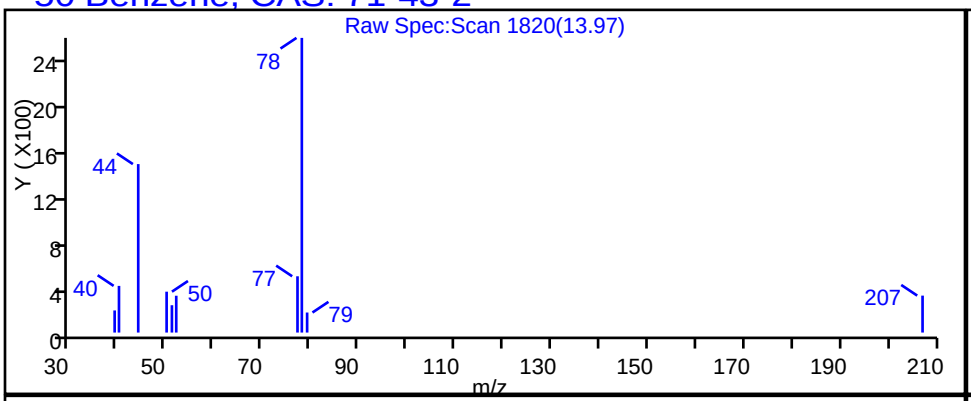
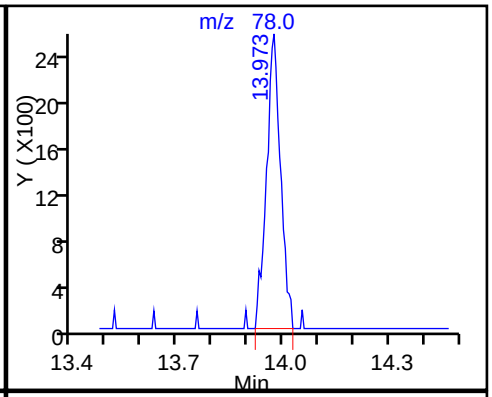
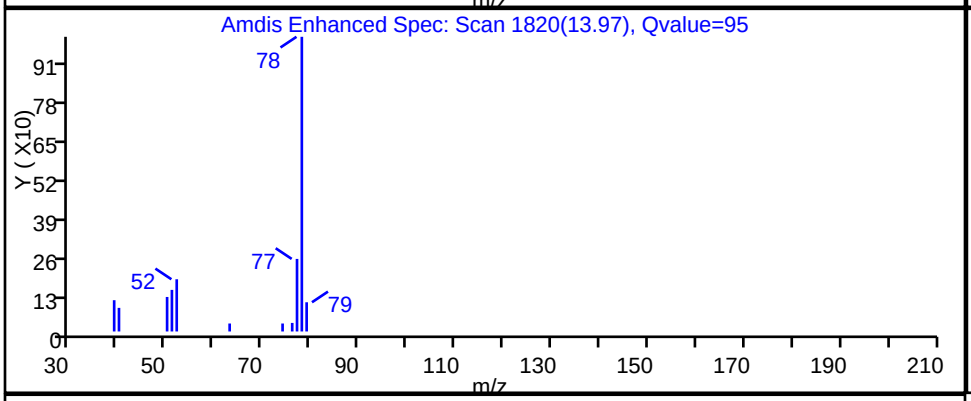
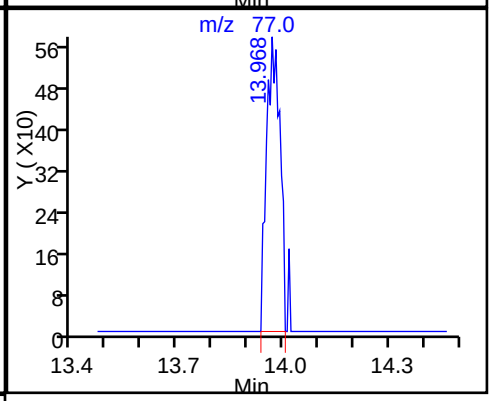
Client ID:	774776CA01KA				
Operator ID:	bl	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	200.000 mL	Dil. Factor:	5.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

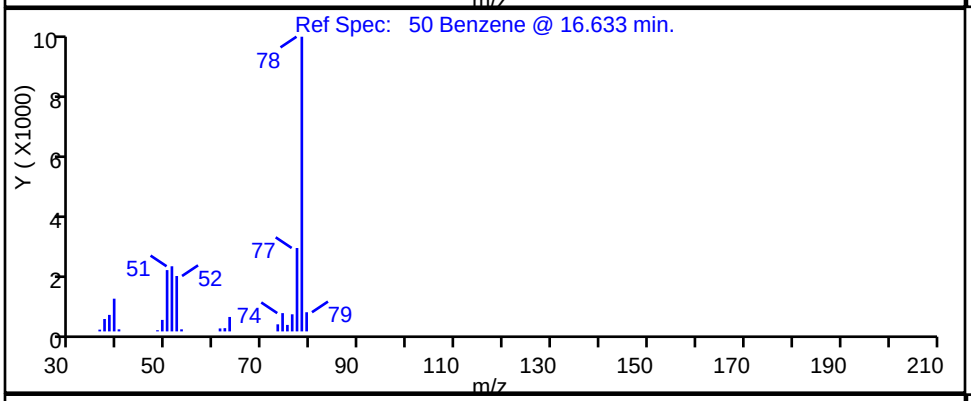
50 Benzene, CAS: 71-43-2

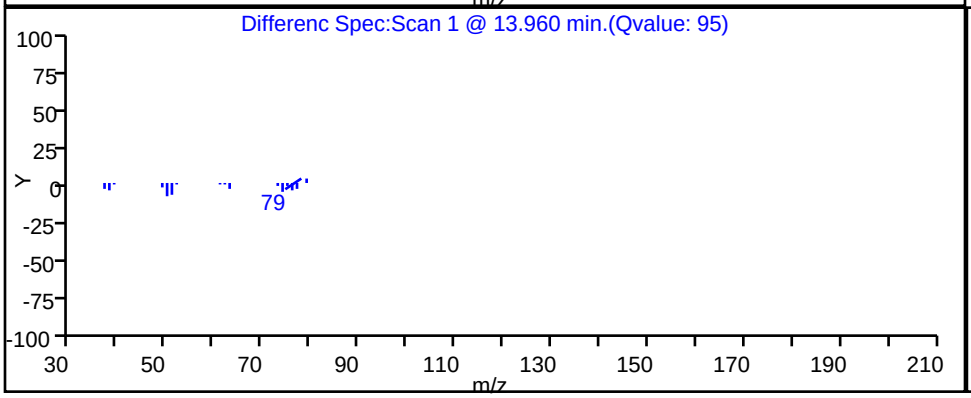


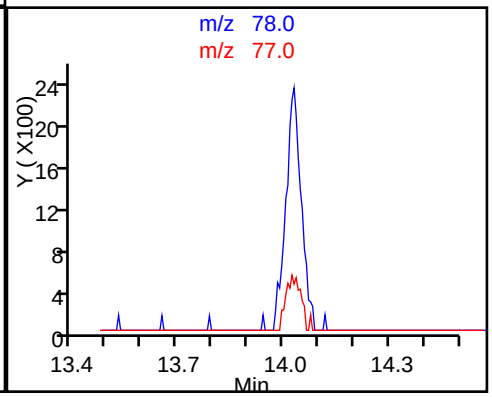












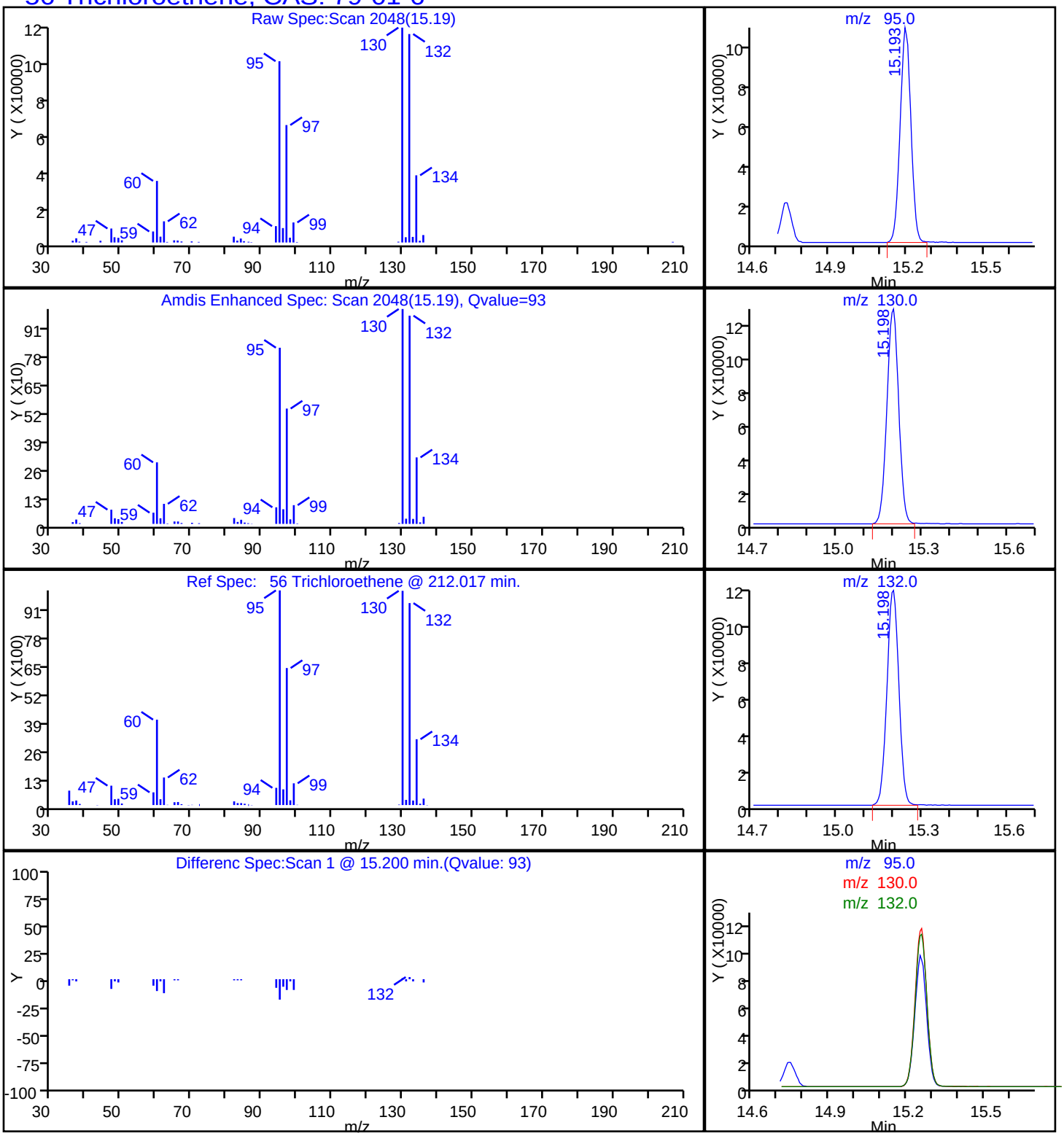
Report Date: 25-Jul-2014 09:24:41 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140724-8696.b\8696_014.d

Injection Date:	24-Jul-2014 20:56:30	Instrument ID:	CHW.i		
Lims ID:	280-58003-A-11	Lab Sample ID:	200-58003-11		
Client ID:	774776CA01KA				
Operator ID:	bl	ALS Bottle#:	13	Worklist Smp#:	14
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		

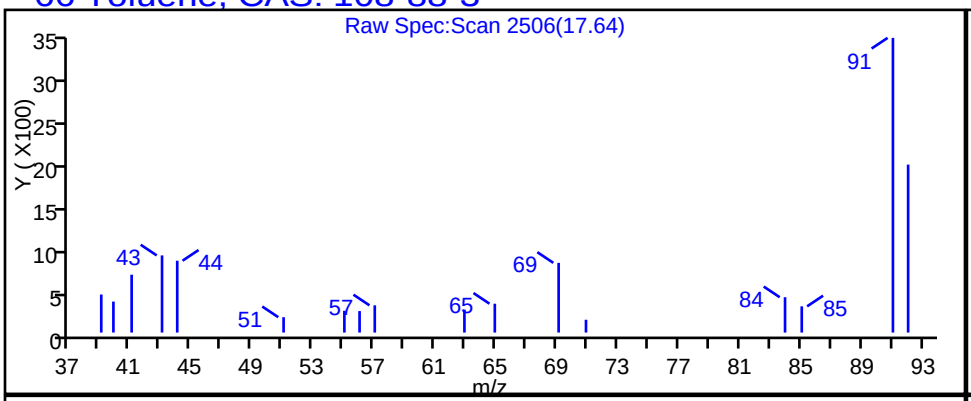
56 Trichloroethene, CAS: 79-01-6

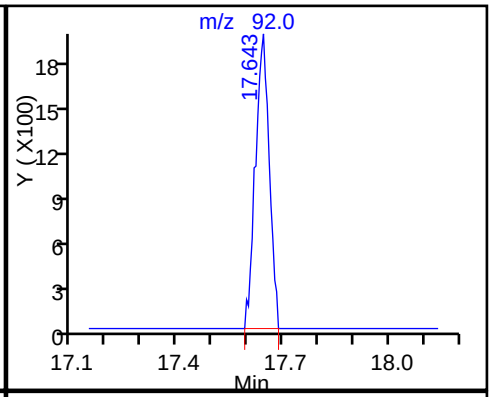


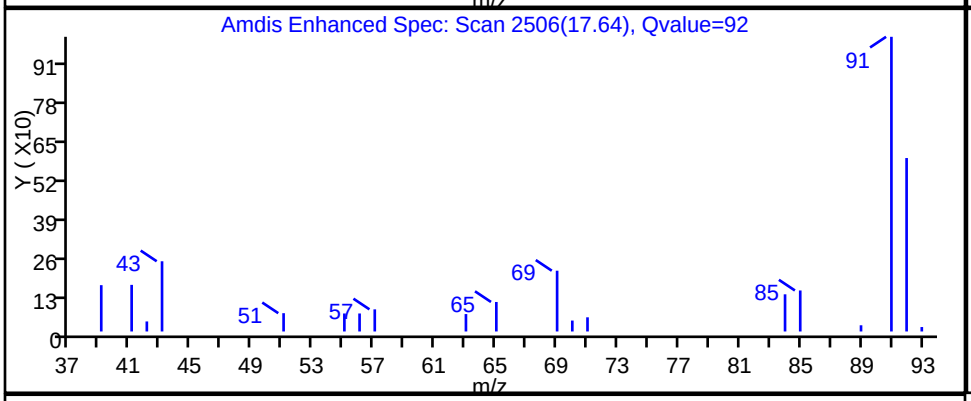
TestAmerica Burlington

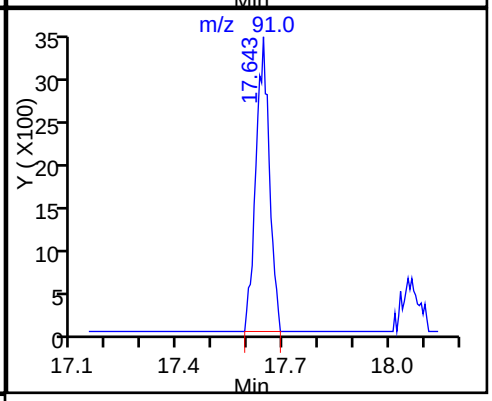
Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140724-8696.b\8696_014.d				
Injection Date:	24-Jul-2014 20:56:30	Instrument ID:	CHW.i		
Lims ID:	280-58003-A-11	Lab Sample ID:	200-58003-11		
Client ID:	774776CA01KA				
Operator ID:	bl	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	200.000 mL	Dil. Factor:	5.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

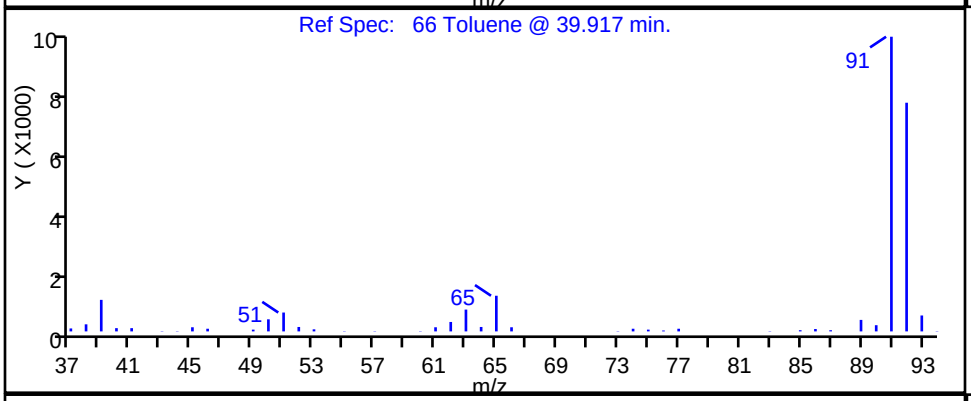
66 Toluene, CAS: 108-88-3

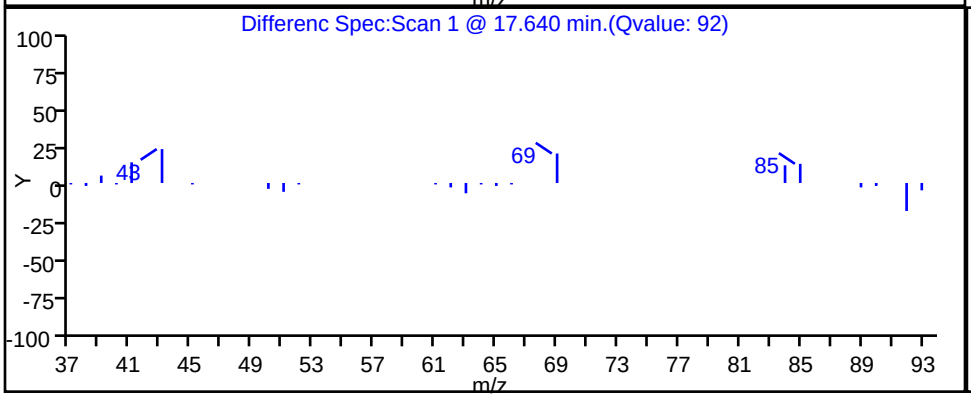


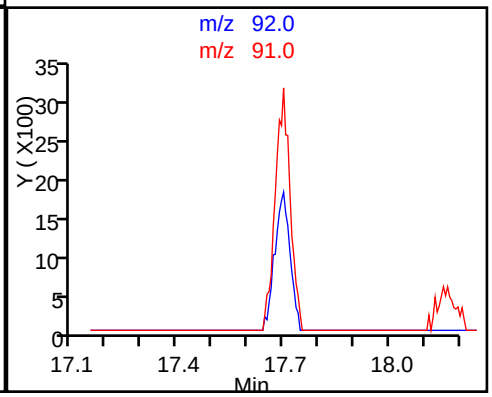












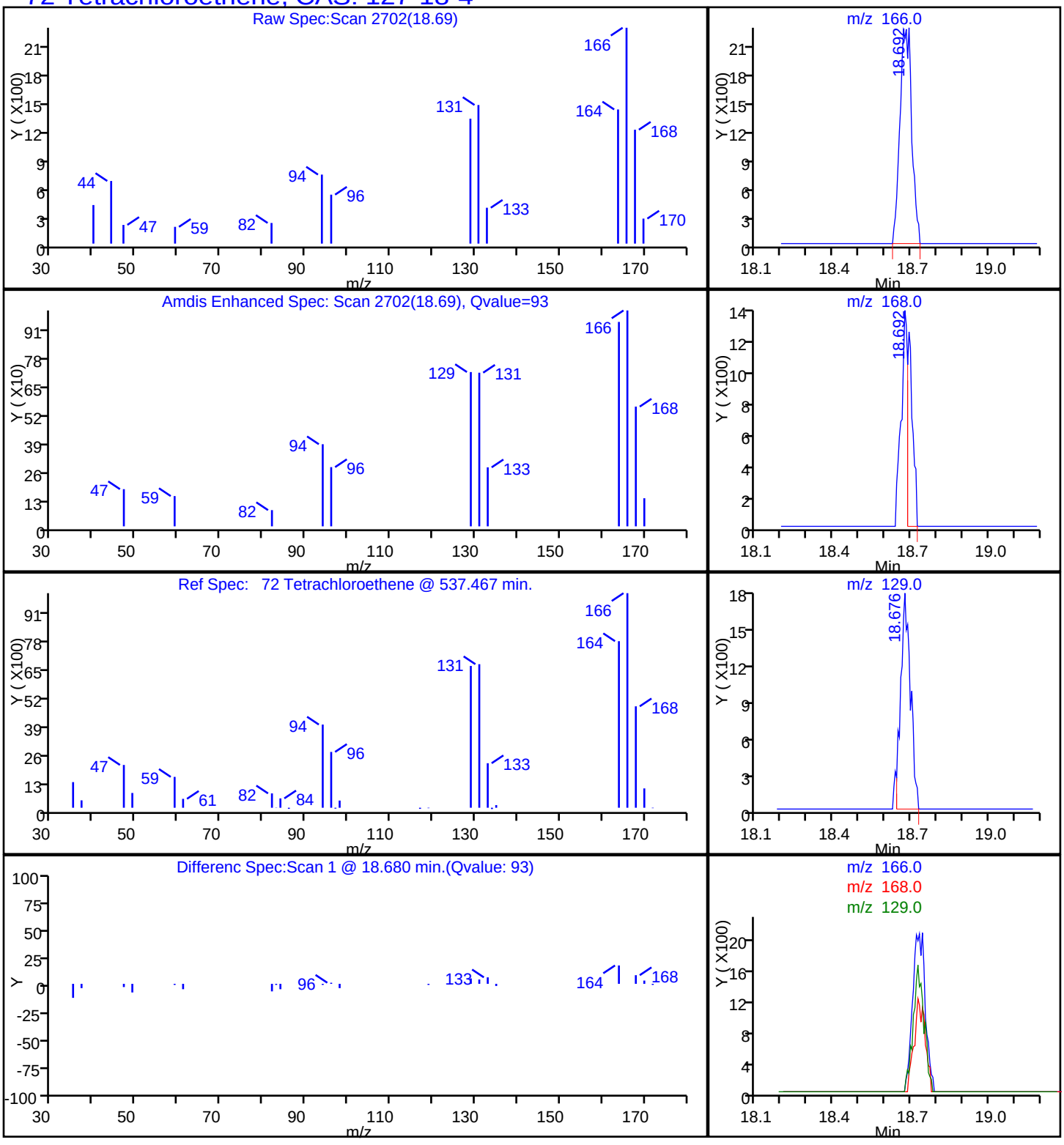
Report Date: 25-Jul-2014 09:24:42 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140724-8696.b\8696_014.d

Injection Date:	24-Jul-2014 20:56:30	Instrument ID:	CHW.i		
Lims ID:	280-58003-A-11	Lab Sample ID:	200-58003-11		
Client ID:	774776CA01KA				
Operator ID:	bl	ALS Bottle#:	13	Worklist Smp#:	14
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		

72 Tetrachloroethene, CAS: 127-18-4



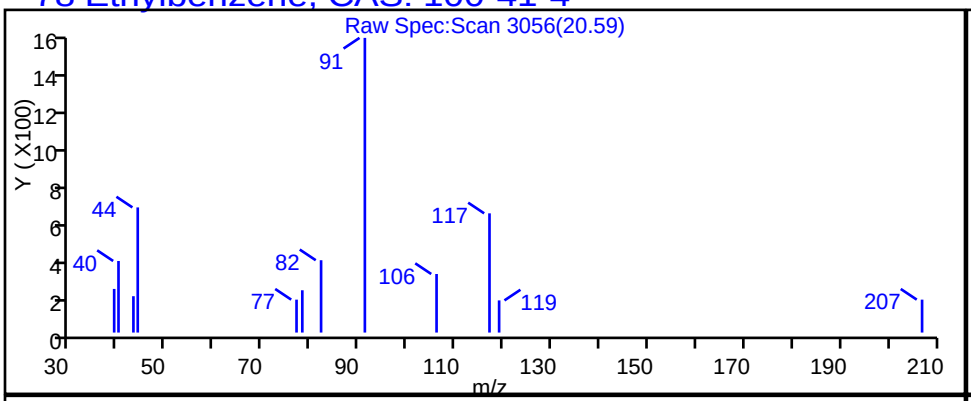
Report Date: 25-Jul-2014 09:24:42 Chrom Revision: 2.2 24-Jun-2014 07:21:42

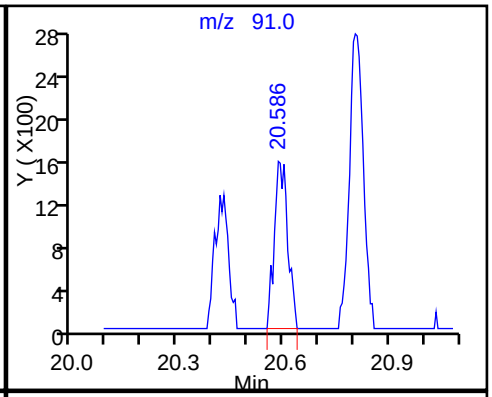
TestAmerica Burlington

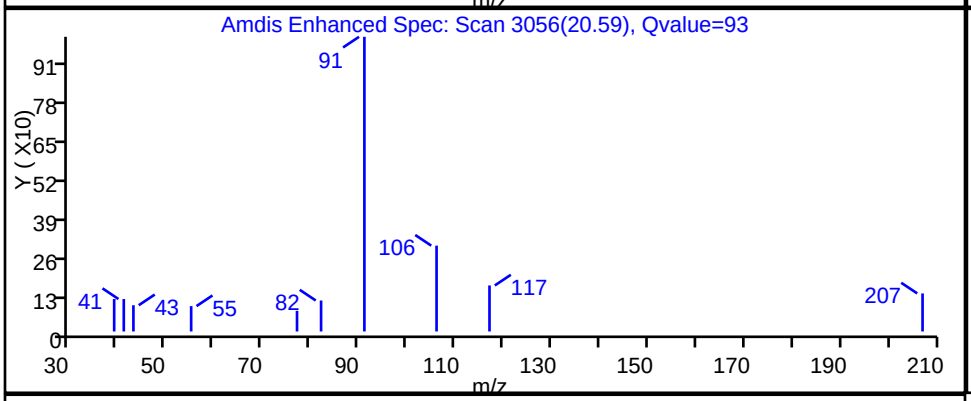
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140724-8696.b\8696_014.d

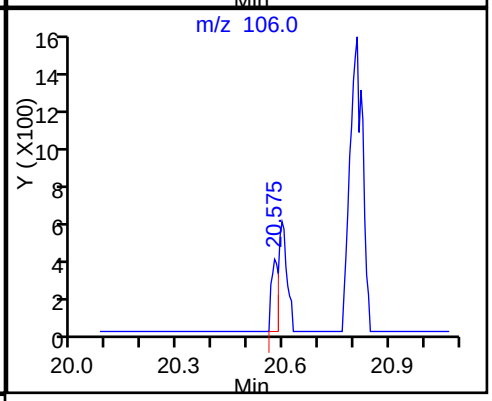
Injection Date:	24-Jul-2014 20:56:30	Instrument ID:	CHW.i		
Lims ID:	280-58003-A-11	Lab Sample ID:	200-58003-11		
Client ID:	774776CA01KA				
Operator ID:	bl	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	200.000 mL	Dil. Factor:	5.0000		
Method:	TO15_LLNJ_TO3_W_(v1)	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

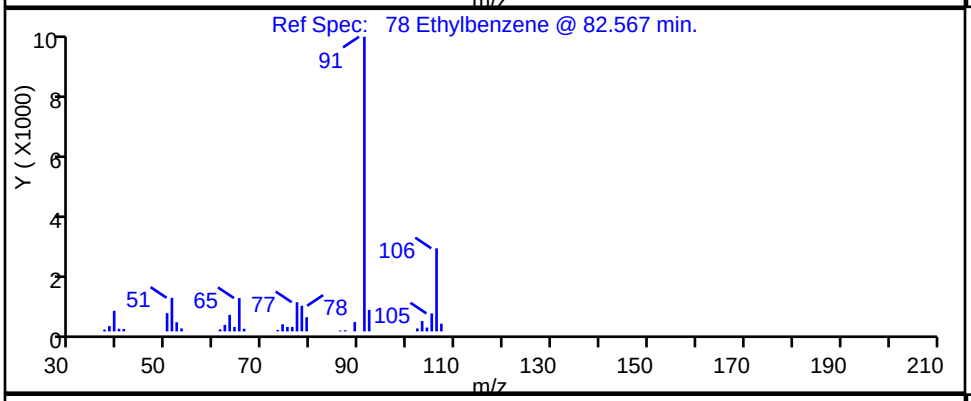
78 Ethylbenzene, CAS: 100-41-4

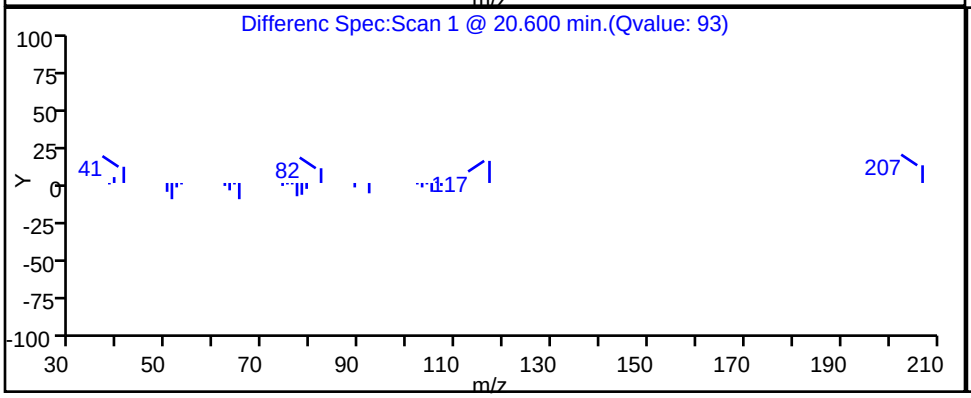


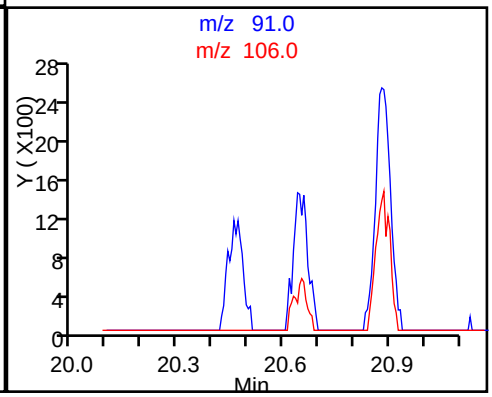










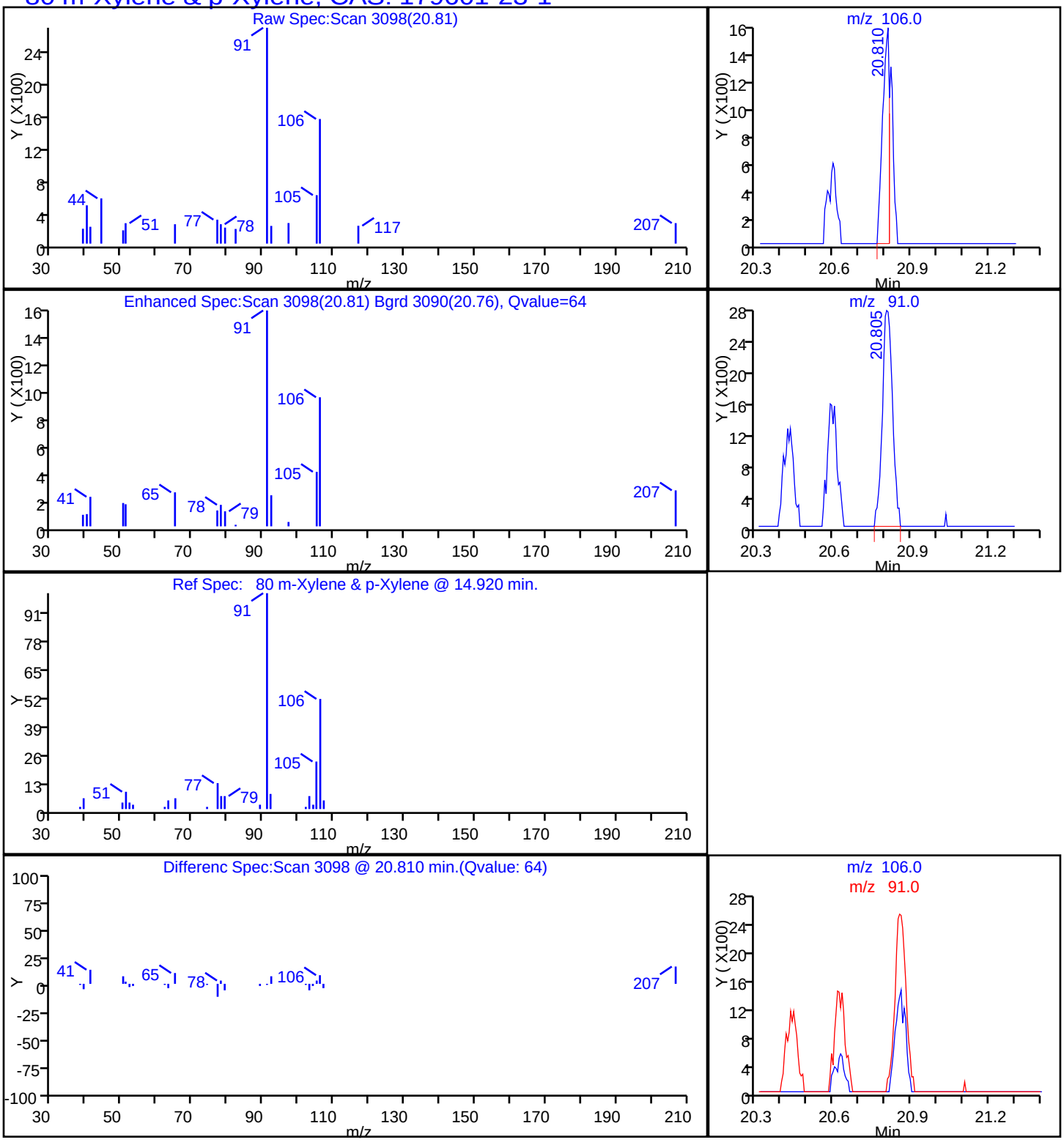


Report Date: 25-Jul-2014 09:24:42 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140724-8696.b\8696_014.d				
Injection Date:	24-Jul-2014 20:56:30	Instrument ID:	CHW.i		
Lims ID:	280-58003-A-11	Lab Sample ID:	200-58003-11		
Client ID:	774776CA01KA				
Operator ID:	bl	ALS Bottle#:	13	Worklist Smp#:	14
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



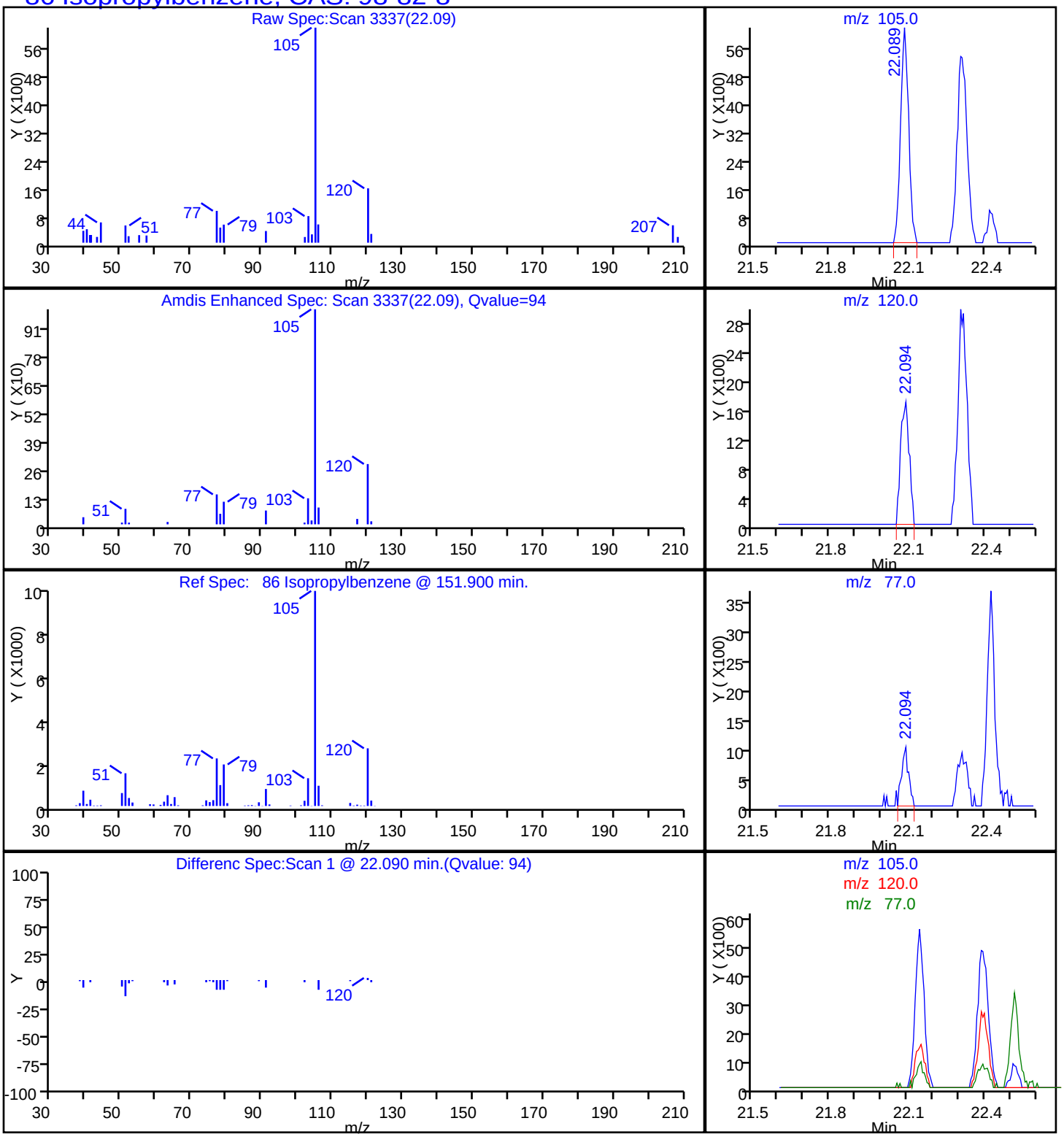
Report Date: 25-Jul-2014 09:24:42 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140724-8696.b\8696_014.d

Injection Date:	24-Jul-2014 20:56:30	Instrument ID:	CHW.i		
Lims ID:	280-58003-A-11	Lab Sample ID:	200-58003-11		
Client ID:	774776CA01KA				
Operator ID:	bl	ALS Bottle#:	13	Worklist Smp#:	14
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



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

Lab Name: TestAmerica Burlington Job No.: 280-58003-1 Analy Batch No.: 75021

SDG No.:

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

Calibration Start Date: 07/17/2014 12:55 Calibration End Date: 07/18/2014 09:36 Calibration ID: 27544

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-75021/3	8605_003.D
Level 2	IC 200-75021/4	8605_004.D
Level 3	IC 200-75021/18	8605_018.D
Level 4	IC 200-75021/6	8605_006.D
Level 5	ICIS 200-75021/7	8605_007.D
Level 6	IC 200-75021/8	8605_008.D
Level 7	IC 200-75021/9	8605_009.D
Level 8	IC 200-75021/10	8605_010.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Propylene	+++++ 0.5683	+++++ 0.5282	0.7126 0.4286	0.6683	0.6134	Ave		0.5866				17.0		30.0			
Dichlorodifluoromethane	+++++ 3.1157	+++++ 2.9585	3.3823 2.3494	3.4489	3.3292	Ave		3.0973				13.0		30.0			
Freon 22	+++++ 1.3880	+++++ 1.3060	1.3867 1.0473	1.6508	1.5407	Ave		1.3866				15.0		30.0			
1,2-Dichlorotetrafluoroethane	+++++ 2.6347	2.9784 2.5506	2.9506 2.1045	2.7735	2.7609	Ave		2.6790				11.0		30.0			
Chloromethane	+++++ 0.7324	+++++ 0.6913	0.8002 0.5714	0.8287	0.7964	Ave		0.7367				13.0		30.0			
n-Butane	+++++ 1.1623	+++++ 1.0751	1.4200 0.8740	1.3496	1.2912	Ave		1.1954				17.0		30.0			
Vinyl chloride	0.7221 0.9058	1.0663 0.8736	0.9660 0.7360	0.9852	0.9593	Ave		0.9018				13.0		30.0			
1,3-Butadiene	+++++ 0.6885	0.7233 0.6399	0.6789 0.5380	0.7450	0.7265	Ave		0.6772				10.0		30.0			
Bromomethane	+++++ 0.9046	0.8702 0.9258	1.1062 0.8299	0.9136	0.8996	Ave		0.9214				9.5		30.0			
Chloroethane	+++++ 0.3917	+++++ 0.3878	0.4276 0.3393	0.4113	0.4020	Ave		0.3933				7.7		30.0			
Isopentane	+++++ 0.6927	0.9034 0.6586	0.7952 0.5489	0.7832	0.7337	Ave		0.7308				15.0		30.0			
Bromoethene(Vinyl Bromide)	+++++ 0.8472	0.9874 0.8788	1.0571 0.8287	0.8803	0.8679	Ave		0.9068				9.2		30.0			
Trichlorofluoromethane	+++++ 3.2154	3.6618 3.1279	3.6244 2.6990	3.4811	3.3688	Ave		3.3112				10.0		30.0			
n-Pentane	+++++ 1.2000	+++++ 1.1158	1.3952 0.9238	1.3861	1.3103	Ave		1.2219				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.: 280-58003-1 Analy Batch No.: 75021

SDG No.:

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

Calibration Start Date: 07/17/2014 12:55 Calibration End Date: 07/18/2014 09:36 Calibration ID: 27544

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Ethanol	+++++ 0.1805	+++++ 0.2278	0.2647 0.2793	0.2512	0.2527	Ave		0.2427				14.0		30.0			
Ethyl ether	+++++ 0.5343	0.4665 0.5130	0.5402 0.4435	0.5898	0.5663	Ave		0.5219				10.0		30.0			
Acrolein	+++++ 0.2241	+++++ 0.2256	+++++ 0.1761	0.2522	0.2368	Ave		0.2229				13.0		30.0			
Freon TF	+++++ 1.8047	1.8343 1.7890	2.1577 1.5938	1.9285	1.8634	Ave		1.8531				9.2		30.0			
1,1-Dichloroethene	+++++ 0.8550	0.8084 0.8538	1.0439 0.7623	0.8936	0.8802	Ave		0.8710				10.0		30.0			
Acetone	+++++ 1.2118	+++++ 1.0696	+++++ 0.9351	1.4653	1.3424	Ave		1.2048				18.0		30.0			
Carbon disulfide	+++++ 2.2188	+++++ 2.1662	4.2849 1.9064	2.4138	2.3572	Ave		2.5579				34.0	*	30.0			
Isopropyl alcohol	+++++ 0.9021	+++++ 0.8398	+++++ 0.7231	1.2523	1.0880	Ave		0.9611				22.0		30.0			
3-Chloropropene	+++++ 0.8822	1.1301 0.8496	0.8722 0.6961	1.0164	0.9662	Ave		0.9161				15.0		30.0			
Acetonitrile	+++++ 0.4703	+++++ 0.4110	+++++ 0.3791	0.5465	0.5224	Ave		0.4659				15.0		30.0			
Methylene Chloride	+++++ 0.8249	+++++ 0.7766	0.9857 0.6476	0.9701	0.9026	Ave		0.8513				15.0		30.0			
tert-Butyl alcohol	+++++ 1.5792	+++++ 1.4079	+++++ 1.2618	1.9360	1.7418	Ave		1.5853				17.0		30.0			
Methyl tert-butyl ether	+++++ 2.5172	2.6993 2.4354	2.8476 2.1058	2.7334	2.6298	Ave		2.5669				9.5		30.0			
trans-1,2-Dichloroethene	+++++ 1.1634	1.4129 1.1019	1.2672 0.9248	1.3484	1.2408	Ave		1.2085				14.0		30.0			
Acrylonitrile	+++++ 0.5039	+++++ 0.4814	0.4644 0.4273	0.5597	0.5428	Ave		0.4966				10.0		30.0			
n-Hexane	+++++ 1.0681	1.1934 1.0339	1.2199 0.8816	1.2198	1.1515	Ave		1.1097				11.0		30.0			
1,1-Dichloroethane	1.3827 1.5975	1.9116 1.5344	1.6697 1.3156	1.8235	1.7091	Ave		1.6180				13.0		30.0			
Vinyl acetate	+++++ 2.0282	+++++ 1.9080	+++++ 1.5775	2.3209	2.2162	Ave		2.0102				14.0		30.0			
cis-1,2-Dichloroethene	+++++ 1.1229	1.2412 1.1075	1.2772 0.9900	1.1901	1.1520	Ave		1.1544				8.2		30.0			
Methyl Ethyl Ketone	+++++ 0.4919	+++++ 0.4653	0.7634 0.4107	0.5374	0.5181	Ave		0.5311				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.: 280-58003-1 Analy Batch No.: 75021

SDG No.:

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

Calibration Start Date: 07/17/2014 12:55 Calibration End Date: 07/18/2014 09:36 Calibration ID: 27544

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Ethyl acetate	+++++ 0.0824	+++++ 0.0807	+++++ 0.0747	0.0838	0.0867	Ave		0.0817				5.5		30.0			
Tetrahydrofuran	+++++ 0.1610	+++++ 0.1490	+++++ 0.1287	0.1998	0.1799	Ave		0.1637				17.0		30.0			
Chloroform	+++++ 2.6781	3.0028 2.5466	2.7285 2.1740	2.9492	2.8622	Ave		2.7059				10.0		30.0			
Cyclohexane	+++++ 0.2388	0.2640 0.2383	0.2795 0.2163	0.2608	0.2510	Ave		0.2498				8.3		30.0			
1,1,1-Trichloroethane	+++++ 0.5014	0.5700 0.4931	0.5797 0.4383	0.5403	0.5177	Ave		0.5201				9.4		30.0			
Carbon tetrachloride	0.5807 0.5476	0.5951 0.5470	0.6183 0.4948	0.5710	0.5562	Ave		0.5638				6.6		30.0			
2,2,4-Trimethylpentane	+++++ 0.9374	1.1529 0.8756	1.0599 0.7189	1.1010	1.0441	Ave		0.9842				15.0		30.0			
Benzene	+++++ 0.5880	0.7431 0.5721	0.7331 0.4951	0.6689	0.6350	Ave		0.6336				14.0		30.0			
1,2-Dichloroethane	+++++ 0.3550	0.3860 0.3382	0.3811 0.2942	0.3841	0.3738	Ave		0.3589				9.3		30.0			
n-Heptane	+++++ 0.3799	0.4626 0.3465	0.4095 0.2830	0.4348	0.4257	Ave		0.3917				16.0		30.0			
n-Butanol	+++++ 0.1210	+++++ 0.1211	+++++ 0.0947	0.1559	0.1375	Ave		0.1260				18.0		30.0			
Trichloroethene	0.2952 0.3525	0.3730 0.3422	0.4009 0.2993	0.3641	0.3509	Ave		0.3473				10.0		30.0			
1,2-Dichloropropane	+++++ 0.3197	0.3353 0.3099	0.3382 0.2646	0.3185	0.3174	Ave		0.3148				7.7		30.0			
Methyl methacrylate	+++++ 0.3038	+++++ 0.2941	0.2902 0.2581	0.2882	0.2949	Ave		0.2882				5.4		30.0			
1,4-Dioxane	+++++ 0.1138	+++++ 0.1070	+++++ 0.0943	0.1417	0.1293	Ave		0.1172				16.0		30.0			
Dibromomethane	+++++ 0.2784	0.2537 0.2842	0.3376 0.2728	0.2626	0.2651	Ave		0.2792				9.9		30.0			
Bromodichloromethane	+++++ 0.6896	0.6678 0.6692	0.7124 0.5787	0.6795	0.6734	Ave		0.6672				6.3		30.0			
cis-1,3-Dichloropropene	+++++ 0.5003	0.4647 0.4896	0.5282 0.4264	0.4896	0.4845	Ave		0.4833				6.5		30.0			
methyl isobutyl ketone	+++++ 0.6334	+++++ 0.5862	0.8958 0.4804	0.6578	0.6438	Ave		0.6496				21.0		30.0			
Toluene	+++++ 0.5402	0.6270 0.5353	0.6747 0.4611	0.5697	0.5553	Ave		0.5662				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.: 280-58003-1 Analy Batch No.: 75021

SDG No.:

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

Calibration Start Date: 07/17/2014 12:55 Calibration End Date: 07/18/2014 09:36 Calibration ID: 27544

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
n-Octane	+++++ 0.6607	0.7489 0.5994	0.7674 0.4690	0.7401	0.6846	Ave		0.6672				16.0		30.0			
trans-1,3-Dichloropropene	+++++ 0.5338	0.6854 0.5210	0.6499 0.4522	0.5287	0.5223	Ave		0.5562				15.0		30.0			
1,1,2-Trichloroethane	+++++ 0.3039	0.3095 0.2941	0.3441 0.2548	0.3145	0.3110	Ave		0.3046				8.8		30.0			
Tetrachloroethene	0.4702 0.4115	0.4439 0.4199	0.5217 0.3904	0.4080	0.4143	Ave		0.4350				9.8		30.0			
Methyl Butyl Ketone (2-Hexanone)	+++++ 0.5985	+++++ 0.5617	0.9189 0.4515	0.6582	0.6359	Ave		0.6374				24.0		30.0			
Dibromochloromethane	+++++ 0.6348	0.5456 0.6337	0.6612 0.5593	0.6401	0.6459	Ave		0.6172				7.3		30.0			
1,2-Dibromoethane	+++++ 0.5402	0.5414 0.5393	0.6178 0.4722	0.5583	0.5527	Ave		0.5460				7.8		30.0			
Chlorobenzene	+++++ 0.7170	0.7803 0.7174	0.9091 0.6299	0.7368	0.7242	Ave		0.7449				11.0		30.0			
Ethylbenzene	+++++ 1.2136	1.3750 1.1756	1.5538 0.9553	1.3061	1.2568	Ave		1.2623				15.0		30.0			
n-Nonane	+++++ 0.6270	0.6892 0.5954	0.7639 0.4659	0.7070	0.6727	Ave		0.6459				15.0		30.0			
m,p-Xylene	+++++ 0.4432	0.5167 0.4354	0.5888 0.3643	0.4747	0.4626	Ave		0.4694				15.0		30.0			
Xylene, o-	+++++ 0.4757	0.4985 0.4674	0.5803 0.4121	0.5002	0.4900	Ave		0.4892				10.0		30.0			
Styrene	+++++ 0.7139	0.6333 0.7137	0.7609 0.6229	0.7290	0.7285	Ave		0.7003				7.4		30.0			
Bromoform	+++++ 0.5951	0.4651 0.6073	0.5697 0.5609	0.5711	0.5951	Ave		0.5663				8.4		30.0			
Cumene	+++++ 1.3264	1.5315 1.2789	1.6850 1.0162	1.4123	1.3969	Ave		1.3782				15.0		30.0			
1,1,2,2-Tetrachloroethane	+++++ 0.7685	0.8308 0.7349	0.9159 0.5840	0.8226	0.8353	Ave		0.7846				13.0		30.0			
n-Propylbenzene	+++++ 1.6220	1.9150 1.5160	2.1101 1.0930	1.8214	1.7824	Ave		1.6943				19.0		30.0			
1,2,3-Trichloropropane	+++++ 0.6412	+++++ 0.6116	0.7548 0.4856	0.6894	0.6878	Ave		0.6451				14.0		30.0			
n-Decane	+++++ 0.7127	+++++ 0.6258	0.9711 0.4057	0.8929	0.8500	Ave		0.7430				28.0		30.0			
4-Ethyltoluene	+++++ 1.1986	1.4947 1.1242	1.6689 0.8344	1.3815	1.3295	Ave		1.2903				21.0		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.: 280-58003-1 Analy Batch No.: 75021

SDG No.:

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

Calibration Start Date: 07/17/2014 12:55 Calibration End Date: 07/18/2014 09:36 Calibration ID: 27544

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
2-Chlorotoluene	+++++ 1.1033	1.4588 1.0225	1.5666 0.7431	1.2957	1.2250	Ave		1.2021				23.0		30.0			
1,3,5-Trimethylbenzene	+++++ 1.1452	1.2975 1.0982	1.4409 0.8654	1.2148	1.2090	Ave		1.1816				15.0		30.0			
Alpha Methyl Styrene	+++++ 0.5729	0.3974 0.5712	0.4728 0.4951	0.5765	0.5917	Ave		0.5254				14.0		30.0			
tert-Butylbenzene	+++++ 1.0399	1.1925 1.0143	1.3376 0.8207	1.1077	1.0875	Ave		1.0857				15.0		30.0			
1,2,4-Trimethylbenzene	+++++ 1.1345	1.2679 1.0978	1.4407 0.8452	1.2415	1.2120	Ave		1.1771				16.0		30.0			
sec-Butylbenzene	+++++ 1.5402	1.8466 1.4581	2.0633 1.0665	1.7486	1.6723	Ave		1.6279				20.0		30.0			
4-Isopropyltoluene	+++++ 1.2764	1.4050 1.2244	1.6932 0.9154	1.4110	1.3552	Ave		1.3258				18.0		30.0			
1,3-Dichlorobenzene	+++++ 0.7143	0.7790 0.7266	0.9143 0.6167	0.7405	0.7355	Ave		0.7467				12.0		30.0			
1,4-Dichlorobenzene	+++++ 0.7427	0.7645 0.7539	0.9020 0.6435	0.7610	0.7685	Ave		0.7623				9.9		30.0			
Benzyl chloride	+++++ 1.0028	1.0458 1.1161	1.2509 0.7742	1.0526	1.0575	Ave		1.0428				14.0		30.0			
n-Butylbenzene	+++++ 1.2590	1.3203 1.1712	1.6041 0.8282	1.4947	1.3984	Ave		1.2966				19.0		30.0			
n-Undecane	+++++ 0.8035	+++++ 0.7152	+++++ 0.4685	1.0195	0.9427	Ave		0.7899				27.0		30.0			
1,2-Dichlorobenzene	+++++ 0.7189	0.7531 0.7321	0.8545 0.6273	0.7281	0.7264	Ave		0.7343				9.1		30.0			
n-Dodecane	+++++ 0.6627	+++++ 0.6472	+++++ 0.4586	0.5629	0.7268	Ave		0.6117				17.0		30.0			
1,2,4-Trichlorobenzene	+++++ 0.4651	+++++ 0.5511	0.2177 0.5207	0.3853	0.4807	Ave		0.4368				28.0		30.0			
Hexachlorobutadiene	+++++ 0.5191	0.3219 0.5504	0.4586 0.5328	0.4786	0.5017	Ave		0.4805				16.0		30.0			
Naphthalene	+++++ 0.9721	+++++ 1.2372	0.5613 0.9766	0.9582	1.1735	Ave		0.9798				24.0		30.0			
1,2,3-Trichlorobenzene	+++++ 0.3803	0.0260 0.4630	0.1604 0.4476	0.2915	0.3976	Ave		0.3095				52.0	*	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.: 280-58003-1 Analy Batch No.: 75021

SDG No.:

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

Calibration Start Date: 07/17/2014 12:55 Calibration End Date: 07/18/2014 09:36 Calibration ID: 27544

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-75021/3	8605_003.D
Level 2	IC 200-75021/4	8605_004.D
Level 3	IC 200-75021/18	8605_018.D
Level 4	IC 200-75021/6	8605_006.D
Level 5	ICIS 200-75021/7	8605_007.D
Level 6	IC 200-75021/8	8605_008.D
Level 7	IC 200-75021/9	8605_009.D
Level 8	IC 200-75021/10	8605_010.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Propylene	BCM	Ave	+++++ 91147	+++++ 124366	4594 228574	30992	60115	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Dichlorodifluoromethane	BCM	Ave	+++++ 499706	+++++ 696559	21806 1252865	159953	326247	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Freon 22	BCM	Ave	+++++ 222618	+++++ 307501	8940 558518	76558	150980	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,2-Dichlorotetrafluoroethane	BCM	Ave	+++++ 422562	5740 600525	19023 1122250	128627	270564	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chloromethane	BCM	Ave	+++++ 117463	+++++ 162753	5159 304692	38435	78048	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Butane	BCM	Ave	+++++ 186411	+++++ 253137	9155 466058	62589	126534	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Vinyl chloride	BCM	Ave	294 145276	2055 205692	6228 392494	45691	94004	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Butadiene	BCM	Ave	+++++ 110418	1394 150656	4377 286874	34551	71198	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromomethane	BCM	Ave	+++++ 145088	1677 217966	7132 442544	42372	88159	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chloroethane	BCM	Ave	+++++ 62823	+++++ 91315	2757 180918	19074	39390	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Isopentane	BCM	Ave	+++++ 111096	1741 155056	5127 292688	36323	71899	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromoethene(Vinyl Bromide)	BCM	Ave	+++++ 135872	1903 206906	6815 441897	40826	85055	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Trichlorofluoromethane	BCM	Ave	+++++ 515695	7057 736449	23367 1439288	161446	330137	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Pentane	BCM	Ave	+++++ 192463	+++++ 262702	8995 492613	64283	128405	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Ethanol	BCM	Ave	+++++ 38688	+++++ 107276	17088 372386	23316	37157	+++++ 20.0	+++++ 40.0	5.01 100.0	9.99	15.0

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

Lab Name: TestAmerica Burlington Job No.: 280-58003-1 Analy Batch No.: 75021

SDG No.:

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

Calibration Start Date: 07/17/2014 12:55 Calibration End Date: 07/18/2014 09:36 Calibration ID: 27544

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Ethyl ether	BCM	Ave	+++++ 85691	899 120780	3483 236530	27352	55494	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acrolein	BCM	Ave	+++++ 35938	+++++ 53108	+++++ 93886	11698	23206	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Freon TF	BCM	Ave	+++++ 289442	3535 421214	13911 849899	89441	182610	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1-Dichloroethene	BCM	Ave	+++++ 137122	1558 201033	6730 406513	41445	86260	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acetone	BCM	Ave	+++++ 194361	+++++ 251822	+++++ 498653	67956	131551	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Carbon disulfide	BCM	Ave	+++++ 355858	+++++ 510013	27625 1016612	111945	231001	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Isopropyl alcohol	BCM	Ave	+++++ 144685	+++++ 197724	+++++ 385621	58078	106622	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
3-Chloropropene	BCM	Ave	+++++ 141498	2178 200030	5623 371204	47136	94689	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acetonitrile	BCM	Ave	+++++ 75423	+++++ 96772	+++++ 202149	25346	51196	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Methylene Chloride	BCM	Ave	+++++ 132301	+++++ 182858	6355 345359	44990	88449	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
tert-Butyl alcohol	BCM	Ave	+++++ 253281	+++++ 331483	+++++ 672871	89788	170690	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Methyl tert-butyl ether	BCM	Ave	+++++ 403723	5202 573397	18359 1122978	126768	257715	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
trans-1,2-Dichloroethene	BCM	Ave	+++++ 186596	2723 259430	8170 493186	62537	121595	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acrylonitrile	BCM	Ave	+++++ 80822	+++++ 113337	2994 227866	25956	53193	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Hexane	BCM	Ave	+++++ 171300	2300 243439	7865 470122	56569	112843	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1-Dichloroethane	BCM	Ave	563 256212	3684 361268	10765 701547	84568	167490	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Vinyl acetate	BCM	Ave	+++++ 325295	+++++ 449222	+++++ 841223	107639	217178	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
cis-1,2-Dichloroethene	BCM	Ave	+++++ 180094	2392 260755	8234 527949	55195	112894	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl Ethyl Ketone	BCM	Ave	+++++ 78901	+++++ 109559	4922 219019	24921	50774	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Ethyl acetate	BCM	Ave	+++++ 13221	+++++ 19001	+++++ 39837	3888	8499	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Tetrahydrofuran	DFB	Ave	+++++ 159958	+++++ 210918	+++++ 394917	57226	111223	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00

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

Lab Name: TestAmerica Burlington Job No.: 280-58003-1 Analy Batch No.: 75021

SDG No.:

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

Calibration Start Date: 07/17/2014 12:55 Calibration End Date: 07/18/2014 09:36 Calibration ID: 27544

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Chloroform	BCM	Ave	+++++ 429524	5787 599592	17591 1159330	136777	280489	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Cyclohexane	DFB	Ave	+++++ 237310	3108 337385	10023 663501	74687	155179	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,1-Trichloroethane	DFB	Ave	+++++ 498255	6710 698162	20785 1344419	154742	320128	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Carbon tetrachloride	DFB	Ave	1448 544164	7005 774382	22171 1517785	163548	343948	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2,2,4-Trimethylpentane	DFB	Ave	+++++ 931526	13571 1239576	38003 2205153	315332	645621	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Benzene	DFB	Ave	+++++ 584280	8748 810014	26287 1518530	191581	392655	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloroethane	DFB	Ave	+++++ 352759	4544 478828	13665 902561	110017	231129	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Heptane	DFB	Ave	+++++ 377531	5445 490549	14685 868104	124537	263232	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Butanol	DFB	Ave	+++++ 120196	+++++ 171406	+++++ 290550	44639	85009	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Trichloroethene	DFB	Ave	736 350268	4391 484460	14376 918195	104284	216994	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloropropane	DFB	Ave	+++++ 317677	3947 438725	12125 811721	91216	196282	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl methacrylate	DFB	Ave	+++++ 301873	+++++ 416306	10406 791764	82542	182354	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,4-Dioxane	DFB	Ave	+++++ 113053	+++++ 151441	+++++ 289233	40572	79940	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Dibromomethane	DFB	Ave	+++++ 276631	2986 402383	12105 836701	75215	163903	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromodichloromethane	DFB	Ave	+++++ 685207	7861 947379	25544 1775024	194617	416424	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
cis-1,3-Dichloropropene	DFB	Ave	+++++ 497132	5470 693165	18938 1307990	140237	299602	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
methyl isobutyl ketone	DFB	Ave	+++++ 629407	+++++ 829876	32122 1473708	188387	398074	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Toluene	CBZ	Ave	+++++ 556298	7183 772495	24014 1466029	162772	342167	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Octane	DFB	Ave	+++++ 656562	8816 848546	27517 1438601	211982	423343	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
trans-1,3-Dichloropropene	DFB	Ave	+++++ 530383	8068 737545	23302 1387226	151426	322962	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2-Trichloroethane	CBZ	Ave	+++++ 312904	3546 424407	12248 810040	89848	191633	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

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

Lab Name: TestAmerica Burlington Job No.: 280-58003-1 Analy Batch No.: 75021

SDG No.:

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

Calibration Start Date: 07/17/2014 12:55 Calibration End Date: 07/18/2014 09:36 Calibration ID: 27544

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Tetrachloroethene	CBZ	Ave	1140 423726	5085 605901	18566 1241236	116564	255296	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl Butyl Ketone (2-Hexanone)	CBZ	Ave	+++++ 616281	+++++ 810473	32703 1435422	188057	391828	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Dibromochloromethane	CBZ	Ave	+++++ 653644	6250 914416	23531 1778349	182873	398031	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dibromoethane	CBZ	Ave	+++++ 556270	6202 778242	21987 1501365	159498	340609	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chlorobenzene	CBZ	Ave	+++++ 738341	8939 1035136	32353 2002544	210501	446276	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Ethylbenzene	CBZ	Ave	+++++ 1249703	15752 1696351	55300 3037164	373145	774449	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Nonane	CBZ	Ave	+++++ 645696	7895 859207	27188 1481314	202005	414560	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
m,p-Xylene	CBZ	Ave	+++++ 912803	11839 1256510	41908 2316456	271228	570160	+++++ 30.0	0.401 40.0	1.00 80.0	9.99	20.0
Xylene, o-	CBZ	Ave	+++++ 489869	5711 674503	20653 1310135	142910	301955	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Styrene	CBZ	Ave	+++++ 735141	7255 1029784	27081 1980260	208274	448906	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromoform	CBZ	Ave	+++++ 612785	5328 876341	20277 1783424	163174	366701	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Cumene	CBZ	Ave	+++++ 1365876	17545 1845477	59967 3230814	403490	860784	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2,2-Tetrachloroethane	CBZ	Ave	+++++ 791369	9517 1060469	32598 1856858	235030	514751	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Propylbenzene	CBZ	Ave	+++++ 1670270	21938 2187609	75096 3475040	520368	1098357	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2,3-Trichloropropane	CBZ	Ave	+++++ 660241	+++++ 882584	26863 1543742	196960	423861	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Decane	CBZ	Ave	+++++ 733858	+++++ 902967	34562 1289973	255100	523783	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
4-Ethyltoluene	CBZ	Ave	+++++ 1234215	17123 1622218	59395 2652952	394705	819276	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2-Chlorotoluene	CBZ	Ave	+++++ 1136109	16712 1475390	55753 2362434	370199	754900	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3,5-Trimethylbenzene	CBZ	Ave	+++++ 1179243	14864 1584720	51280 2751280	347063	745029	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Alpha Methyl Styrene	CBZ	Ave	+++++ 589939	4552 824175	16827 1573981	164711	364627	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
tert-Butylbenzene	CBZ	Ave	+++++ 1070850	13661 1463567	47603 2609316	316476	670172	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

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

Lab Name: TestAmerica Burlington Job No.: 280-58003-1 Analy Batch No.: 75021

SDG No.:

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

Calibration Start Date: 07/17/2014 12:55 Calibration End Date: 07/18/2014 09:36 Calibration ID: 27544

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,2,4-Trimethylbenzene	CBZ	Ave	+++++ 1168196	14525 1584159	51275 2687293	354705	746843	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
sec-Butylbenzene	CBZ	Ave	+++++ 1586047	21154 2104071	73432 3390598	499569	1030515	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
4-Isopropyltoluene	CBZ	Ave	+++++ 1314396	16095 1766708	60260 2910200	403114	835076	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Dichlorobenzene	CBZ	Ave	+++++ 735538	8924 1048513	32538 1960581	211554	453260	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,4-Dichlorobenzene	CBZ	Ave	+++++ 764797	8758 1087854	32100 2045769	217413	473569	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Benzyl chloride	CBZ	Ave	+++++ 1032590	11981 1610524	44518 2461395	300738	651678	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Butylbenzene	CBZ	Ave	+++++ 1296455	15125 1689983	57090 2633187	427028	861750	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Undecane	CBZ	Ave	+++++ 827381	+++++ 1032061	+++++ 1489480	291262	580927	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
1,2-Dichlorobenzene	CBZ	Ave	+++++ 740274	8627 1056396	30410 1994362	208018	447603	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Dodecane	CBZ	Ave	+++++ 682397	+++++ 933862	+++++ 1458172	160828	447896	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
1,2,4-Trichlorobenzene	CBZ	Ave	+++++ 478893	+++++ 795256	7747 1655381	110095	296233	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Hexachlorobutadiene	CBZ	Ave	+++++ 534506	3688 794271	16322 1694003	136745	309134	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Naphthalene	CBZ	Ave	+++++ 1000971	+++++ 1785273	19978 3105052	273749	723129	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,2,3-Trichlorobenzene	CBZ	Ave	+++++ 391619	298 668097	5708 1422982	83282	245023	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

Curve Type Legend:
Ave = Average ISTD

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\8605_003.D
Lims ID: ic
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 17-Jul-2014 12:55:30 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0008605-003
Misc. Info.: ic-01
Operator ID: wrd Instrument ID: CHC.i
Sublist: chrom-TO15_LLNJ_TO3_CHC*sub2

Method: \\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\TO15_LLNJ_TO3_CHC.m
Limit Group: AI_TO15_ICAL
Last Update: 21-Jul-2014 11:27:32 Calib Date: 18-Jul-2014 09:36:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\8605_018.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK025

First Level Reviewer: daiglep Date: 17-Jul-2014 15:53:27

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	3.004	3.004	0.000	78	667	0.0401	0.1120	
2 Dichlorodifluoromethane	85	3.074	3.074	0.000	96	1639	0.0401	0.0521	
6 Chlorodifluoromethane	51	3.132	3.132	0.000	26	642	0.0401	0.0456	
7 1,2-Dichloro-1,1,2,2-tetra	85	3.346	3.351	-0.005	90	1272	0.0401	0.0467	
8 Chloromethane	50	3.490	3.495	-0.005	6	512	0.0401	0.0684	
9 Butane	43	3.698	3.698	0.000	1	533	0.0401	0.0439	
10 Vinyl chloride	62	3.746	3.746	0.000	1	294	0.0401	0.0321	
11 Butadiene	54	3.821	3.826	-0.005	10	227	0.0401	0.0330	
12 Bromomethane	94	4.536	4.536	0.000	27	380	0.0401	0.0406	
13 Chloroethane	64		4.792					ND	
14 2-Methylbutane	43		4.862					ND	
15 Vinyl bromide	106		5.192					ND	
16 Trichlorofluoromethane	101	5.294	5.299	-0.005	19	1552	0.0401	0.0461	
17 Pentane	43	5.427	5.449	-0.022	1	612	0.0401	0.0493	
19 Ethanol	45	5.961	5.945	0.016	0	65	0.0802	0.0264	
21 Ethyl ether	59		6.004					ND	
22 Acrolein	56		6.409					ND	
23 1,1,2-Trichloro-1,2,2-trif	101	6.425	6.415	0.010	1	354	0.0401	0.0188	
24 1,1-Dichloroethene	96		6.463					ND	
25 Acetone	43	6.761	6.740	0.021	85	8946	0.0401	0.7310	
26 Carbon disulfide	76	6.836	6.842	-0.006	37	1007	0.0401	0.0388	
27 Isopropyl alcohol	45	7.092	7.066	0.026	24	570	0.0401	0.0584	
29 3-Chloro-1-propene	41		7.285					ND	
30 Acetonitrile	41		7.450					ND	
31 Methylene Chloride	49	7.589	7.589	0.000	44	1033	0.0401	0.1195	
32 2-Methyl-2-propanol	59	7.898	7.856	0.042	8	1534	0.0401	0.0953	
33 Methyl tert-butyl ether	73	8.042	8.005	0.037	1	1091	0.0401	0.0418	
34 trans-1,2-Dichloroethene	61	8.032	8.032	0.000	1	290	0.0401	0.0236	
35 Acrylonitrile	53		8.219					ND	
36 Hexane	57	8.411	8.421	-0.010	1	206	0.0401	0.0183	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
37 1,1-Dichloroethane	63	8.939	8.934	0.005	1	563	0.0401	0.0343	
38 Vinyl acetate	43	9.030	9.035	-0.005	55	690	0.0401	0.0338	
39 cis-1,2-Dichloroethene	96	10.076	10.076	0.000	1	233	0.0401	0.0199	
40 2-Butanone (MEK)	72		10.156					ND	
42 Ethyl acetate	88		10.193					ND	
S 41 1,2-Dichloroethene, Total	61				0		0.0802	0.0435	
* 43 Chlorobromomethane	128	10.551	10.551	0.000	89	101568	10.0	10.0	
44 Tetrahydrofuran	42	10.615	10.567	0.048	1	69	0.0401	0.006778	
45 Chloroform	83	10.689	10.700	-0.011	1	804	0.0401	0.0293	
46 Cyclohexane	84	10.924	10.914	0.010	1	153	0.0401	0.009846	
47 1,1,1-Trichloroethane	97	10.956	10.962	-0.006	1	577	0.0401	0.0178	
48 Carbon tetrachloride	117	11.196	11.207	-0.011	26	1448	0.0401	0.0413	
51 Isooctane	57	11.655	11.655	0.000	40	3031	0.0401	0.0495	
50 Benzene	78	11.687	11.693	-0.006	79	2081	0.0401	0.0528	
52 1,2-Dichloroethane	62		11.896					ND	
53 n-Heptane	43	12.066	12.066	0.000	1	669	0.0401	0.0275	
* 54 1,4-Difluorobenzene	114	12.568	12.568	0.000	96	621998	10.0	10.0	
55 n-Butanol	56		13.011					ND	
56 Trichloroethene	95	13.038	13.032	0.006	1	736	0.0401	0.0341	M
A 57 GRO	1	13.171	(4.852-21.491)		0	222464	0.0401	0	
58 1,2-Dichloropropane	63		13.609					ND	
59 Methyl methacrylate	69		13.801					ND	
60 1,4-Dioxane	88		13.860					ND	
61 Dibromomethane	174	13.881	13.870	0.011	1	296	0.0401	0.0170	
62 Dichlorobromomethane	83	14.174	14.180	-0.006	90	1540	0.0401	0.0371	
A 63 TVOC as Toluene	1	14.884	(2.994-26.774)		0	429660	0.0401	12.2	
64 cis-1,3-Dichloropropene	75	15.124	15.130	-0.006	1	999	0.0401	0.0332	
65 4-Methyl-2-pentanone (MIBK	43	15.461	15.434	0.027	12	1589	0.0401	0.0393	
A 67 Toluene Range	1	15.712	(15.672-15.752)		0	4869	NC	NC	
66 Toluene	92	15.711	15.712	-0.001	92	1610	0.0401	0.0470	
68 n-Octane	43	15.765	15.770	-0.005	17	2051	0.0401	0.0494	
A 69 C8 Range	1	15.787	(15.769-16.270)		0	4654	NC	NC	
70 trans-1,3-Dichloropropene	75	16.331	16.331	0.000	43	1577	0.0401	0.0456	
71 1,1,2-Trichloroethane	83		16.704					ND	
72 Tetrachloroethene	166	16.784	16.790	-0.006	34	1140	0.0401	0.0433	M
73 2-Hexanone	43	17.163	17.168	-0.005	0	639	0.0401	0.0166	
74 Chlorodibromomethane	129	17.457	17.462	-0.005	1	1194	0.0401	0.0320	
75 Ethylene Dibromide	107	17.723	17.729	-0.006	35	1291	0.0401	0.0391	
* 76 Chlorobenzene-d5	117	18.620	18.625	-0.005	90	604858	10.0	10.0	
77 Chlorobenzene	112	18.684	18.684	0.000	91	2223	0.0401	0.0493	
78 Ethylbenzene	91	18.828	18.834	-0.006	1	4009	0.0401	0.0525	
79 n-Nonane	57	18.951	18.956	-0.005	86	1624	0.0401	0.0416	
81 m-Xylene & p-Xylene	106	19.095	19.090	0.005	52	1144	0.0802	0.0403	
83 o-Xylene	106	19.933	19.928	0.005	89	1254	0.0401	0.0424	
84 Styrene	104	19.970	19.981	-0.011	92	1507	0.0401	0.0356	
S 82 Xylenes, Total	106				0		0.1203	0.0827	
85 Bromoform	173	20.397	20.397	0.000	13	1021	0.0401	0.0298	
86 Isopropylbenzene	105	20.595	20.595	0.000	94	3715	0.0401	0.0446	
$ 87 4-Bromofluorobenzene	95	20.963	20.963	0.000	81	468083	NC	NC	
88 1,1,2,2-Tetrachloroethane	83	21.246	21.251	-0.005	91	2231	0.0401	0.0470	
90 N-Propylbenzene	91	21.305	21.310	-0.005	98	4944	0.0401	0.0482	
89 1,2,3-Trichloropropane	75	21.342	21.347	-0.005	91	1818	0.0401	0.0466	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
93 n-Decane	57	21.481	21.481	0.000	23	1793	0.0401	0.0399	
91 4-Ethyltoluene	105	21.497	21.497	0.000	88	3786	0.0401	0.0485	
92 2-Chlorotoluene	91	21.502	21.507	-0.005	91	3848	0.0401	0.0529	
94 1,3,5-Trimethylbenzene	105	21.603	21.603	0.000	89	3036	0.0401	0.0425	
95 Alpha Methyl Styrene	118	21.961	21.966	-0.005	92	843	0.0401	0.0265	
96 tert-Butylbenzene	119	22.084	22.084	0.000	89	3109	0.0401	0.0473	
97 1,2,4-Trimethylbenzene	105	22.180	22.180	0.000	93	2950	0.0401	0.0414	
98 sec-Butylbenzene	105	22.404	22.409	-0.005	96	4561	0.0401	0.0463	
99 4-Isopropyltoluene	119	22.601	22.607	-0.006	93	3377	0.0401	0.0421	
100 1,3-Dichlorobenzene	146	22.639	22.639	0.000	92	1576	0.0401	0.0349	
101 1,4-Dichlorobenzene	146	22.767	22.772	-0.005	87	1665	0.0401	0.0361	
102 Benzyl chloride	91	22.975	22.970	0.005	93	2143	0.0401	0.0340	
103 n-Butylbenzene	91	23.178	23.173	0.006	93	2478	0.0401	0.0316	
104 Undecane	57	23.194	23.194	0.000	35	498	0.0401	0.0104	
105 1,2-Dichlorobenzene	146	23.306	23.301	0.005	90	1640	0.0401	0.0369	
106 Dodecane	57		24.779					ND	
107 1,2,4-Trichlorobenzene	180		25.798					ND	
108 Hexachlorobutadiene	225		25.985					ND	
109 Naphthalene	128	26.289	26.289	0.000	93	1134	0.0401	0.0191	
110 1,2,3-Trichlorobenzene	180		26.764					ND	

QC Flag Legend

Processing Flags
NC - Not Calibrated
ND - Not Detected or Marked ND

Review Flags
M - Manually Integrated

Reagents:

ATTO15CAL1w_00105	Amount Added: 40.00	Units: mL	
ATTO15CISs_00006	Amount Added: 20.00	Units: mL	Run Reagent

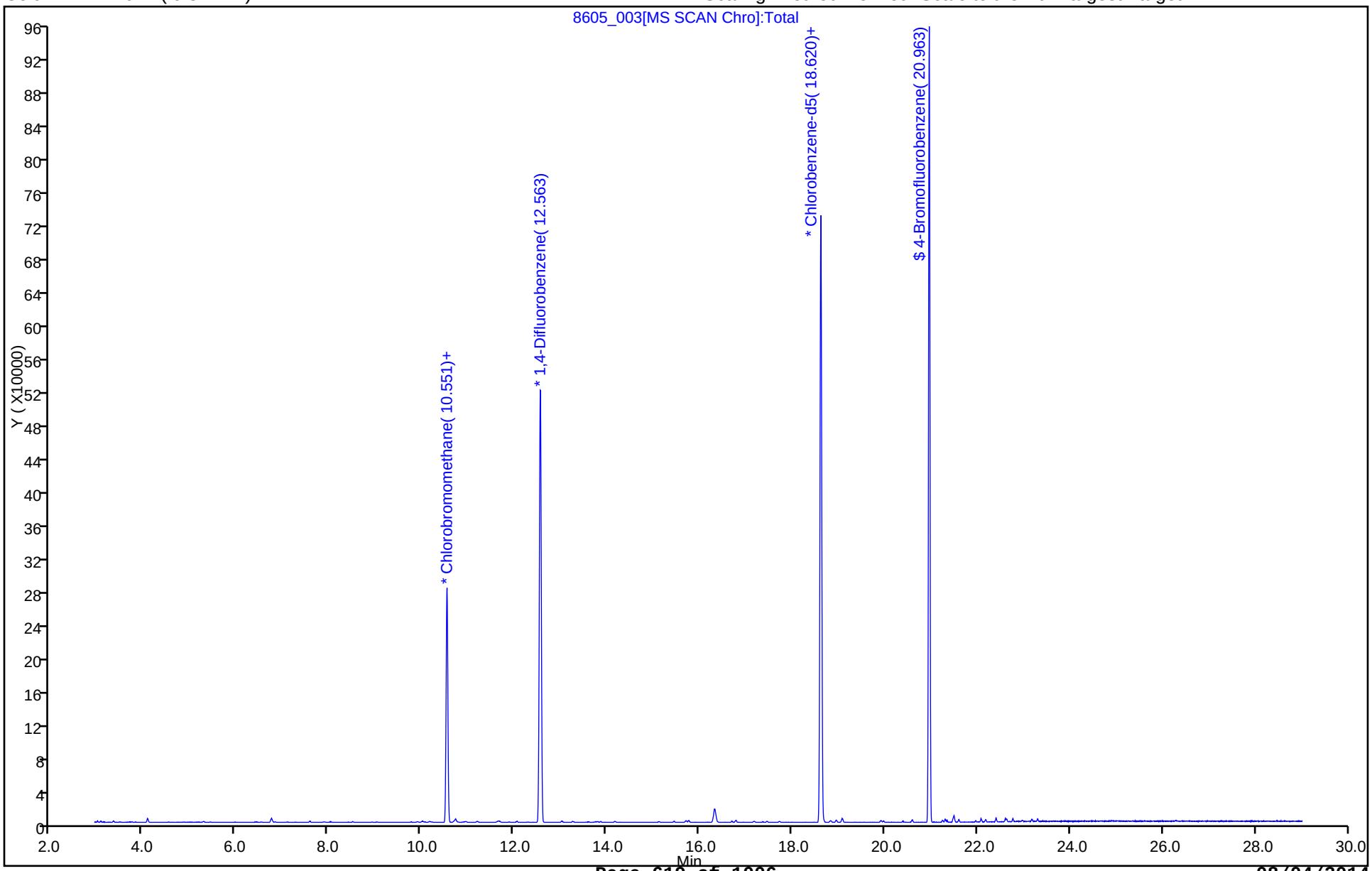
Report Date: 21-Jul-2014 11:27:33 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\8605_003.D

Injection Date:	17-Jul-2014 12:55:30	Instrument ID:	CHC.i	Operator ID:	wrd
Lims ID:	ic			Worklist Smp#:	3
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	2
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



Manual Integration/User Assign Peak Report

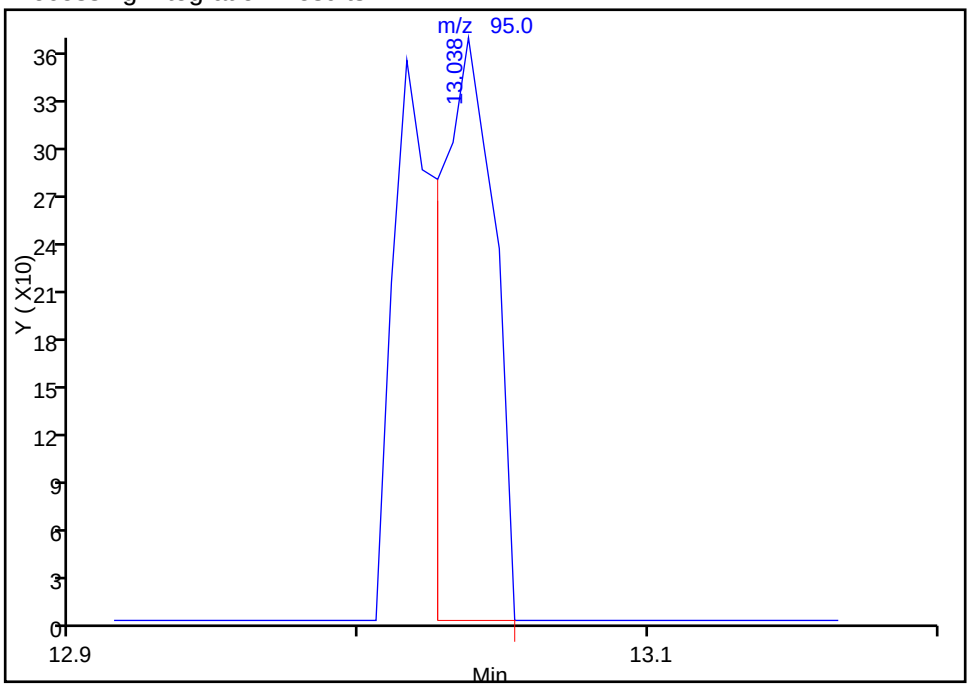
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\8605_003.D				
Injection Date:	17-Jul-2014 12:55:30	Instrument ID:	CHC.i		
Lims ID:	ic				
Client ID:					
Operator ID:	wrd	ALS Bottle#:	2	Worklist Smp#:	3
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

56 Trichloroethene, CAS: 79-01-6

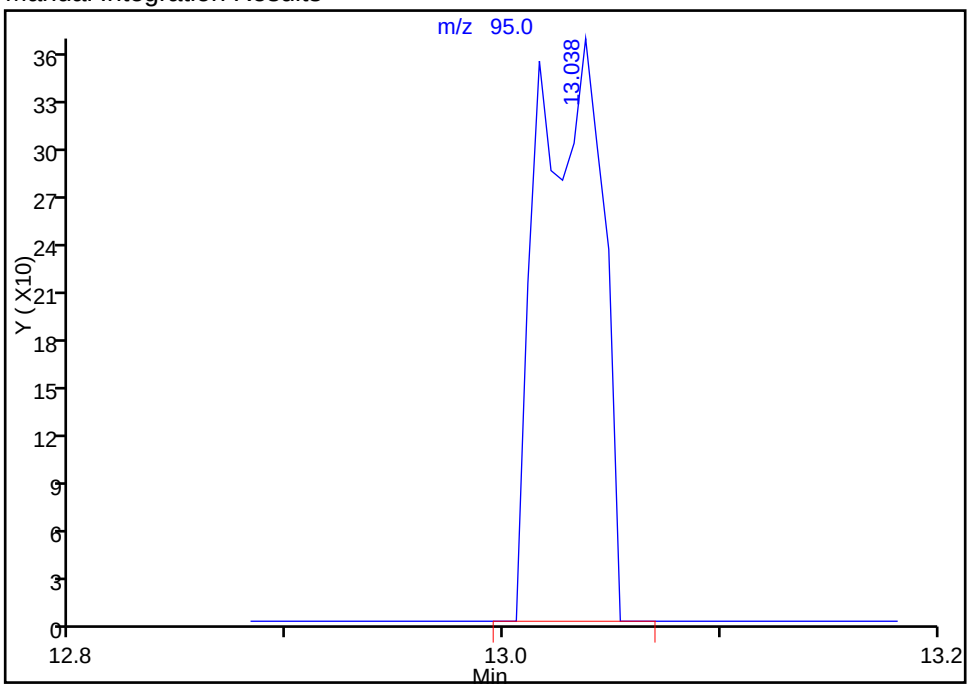
Processing Integration Results

RT: 13.04
Response: 467
Amount: 0.022644



Manual Integration Results

RT: 13.04
Response: 736
Amount: 0.034074



Reviewer: daiglep, 17-Jul-2014 15:53:27
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

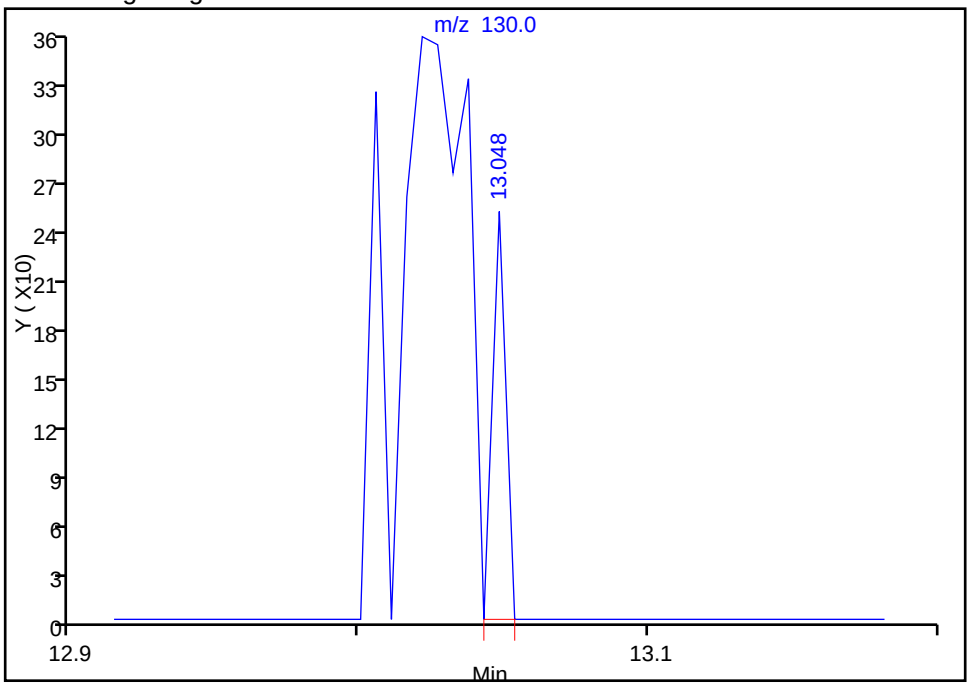
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\8605_003.D				
Injection Date:	17-Jul-2014 12:55:30	Instrument ID:	CHC.i		
Lims ID:	ic				
Client ID:					
Operator ID:	wrd	ALS Bottle#:	2	Worklist Smp#:	3
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

56 Trichloroethene, CAS: 79-01-6

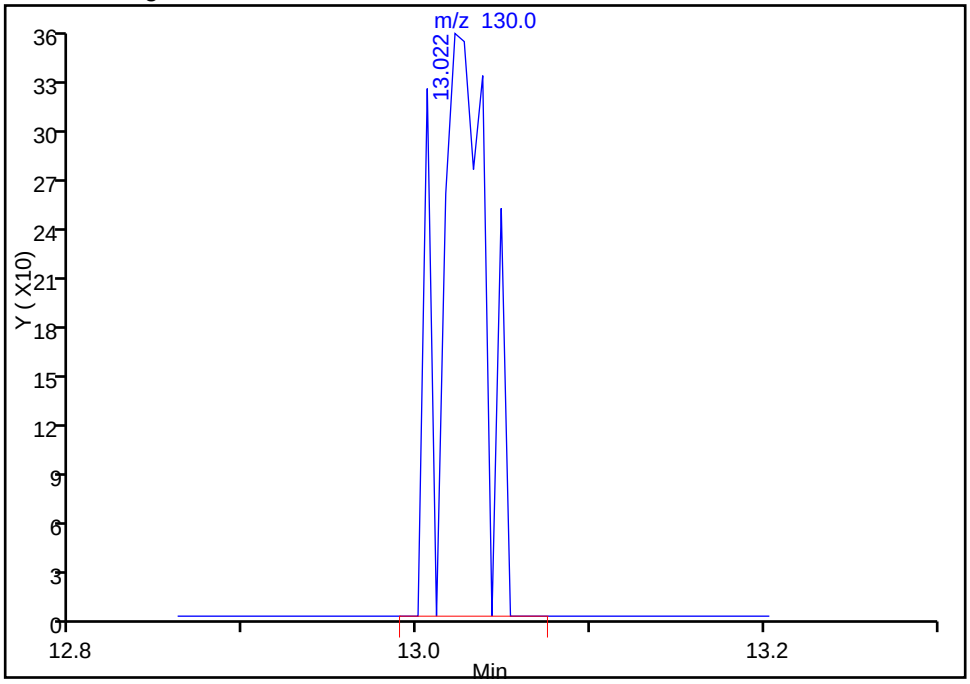
Processing Integration Results

RT: 13.05
Response: 81
Amount: 0.022644



Manual Integration Results

RT: 13.02
Response: 693
Amount: 0.034074



Reviewer: daiglep, 17-Jul-2014 15:53:27
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

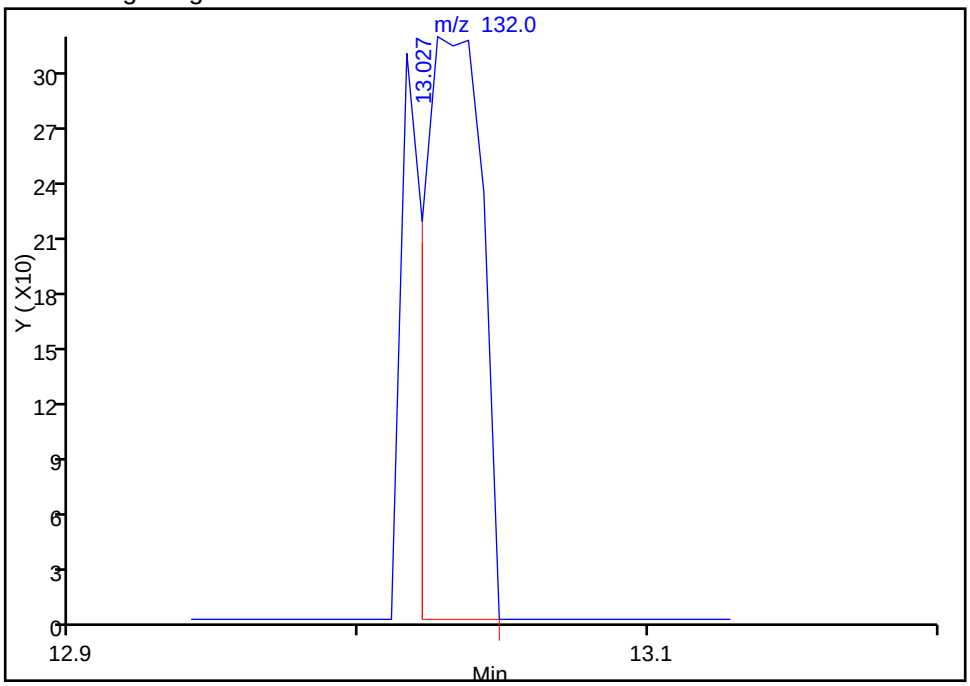
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\8605_003.D				
Injection Date:	17-Jul-2014 12:55:30	Instrument ID:	CHC.i		
Lims ID:	ic				
Client ID:					
Operator ID:	wrd	ALS Bottle#:	2	Worklist Smp#:	3
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

56 Trichloroethene, CAS: 79-01-6

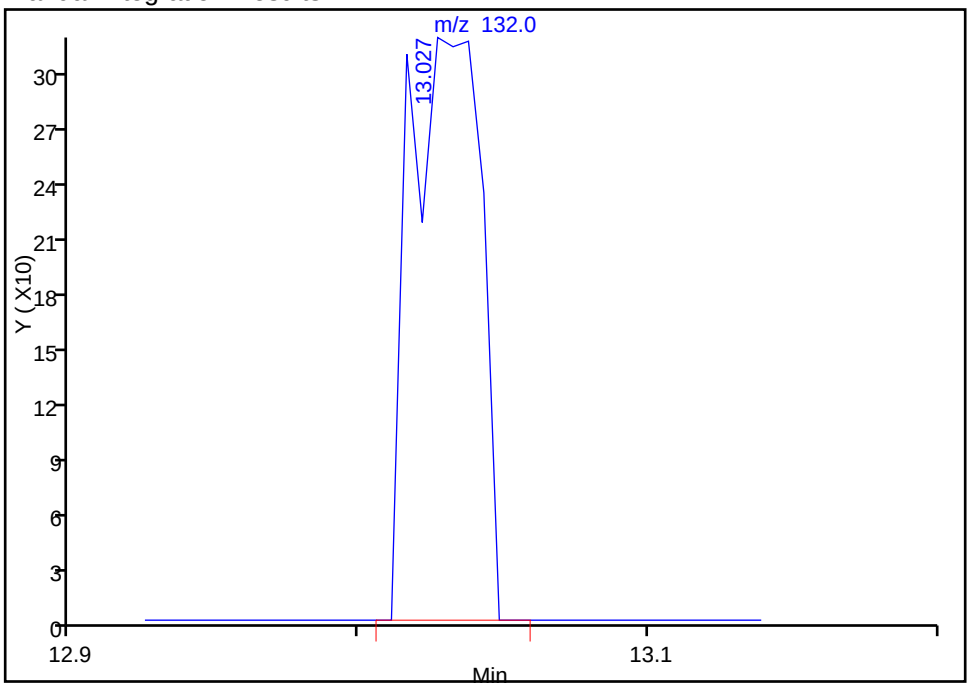
Processing Integration Results

RT: 13.03
Response: 443
Amount: 0.022644



Manual Integration Results

RT: 13.03
Response: 541
Amount: 0.034074



Reviewer: daiglep, 17-Jul-2014 15:53:27
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

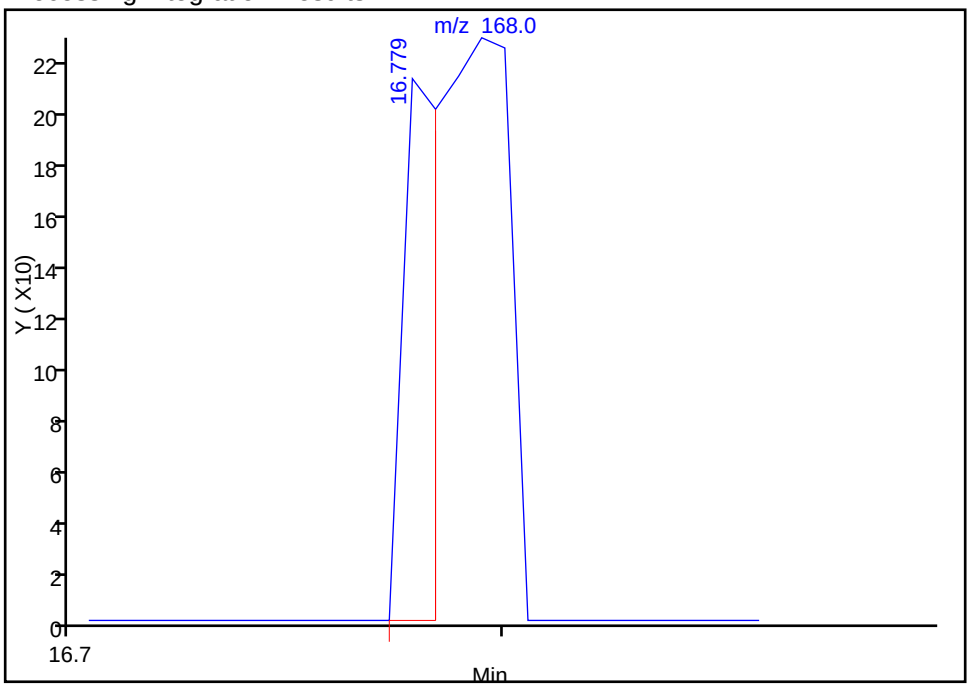
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\8605_003.D				
Injection Date:	17-Jul-2014 12:55:30	Instrument ID:	CHC.i		
Lims ID:	ic				
Client ID:					
Operator ID:	wrd	ALS Bottle#:	2	Worklist Smp#:	3
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

72 Tetrachloroethene, CAS: 127-18-4

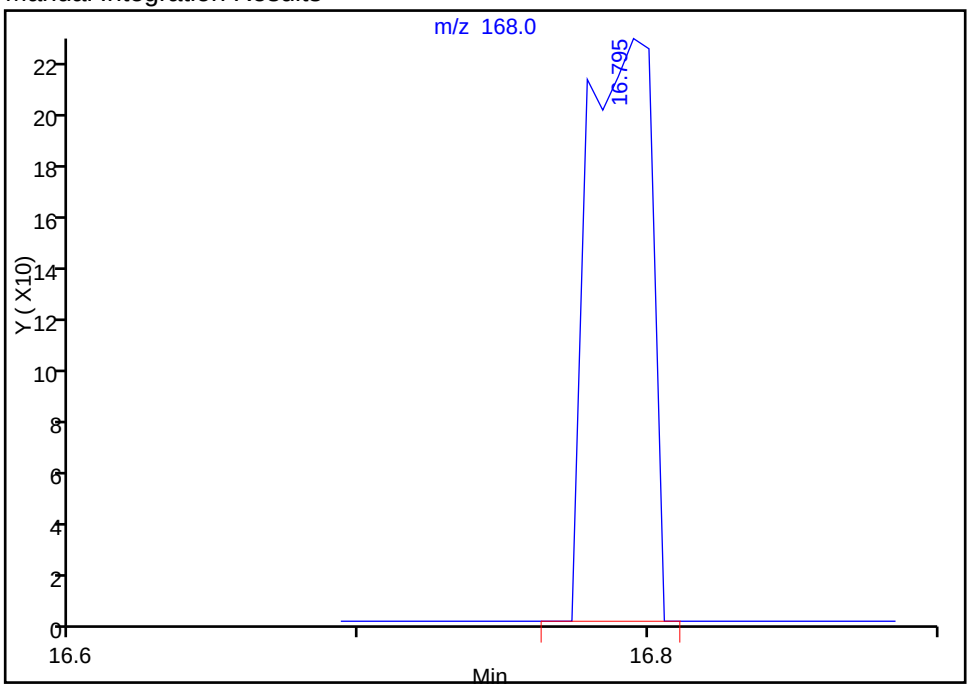
Processing Integration Results

RT: 16.78
Response: 132
Amount: 0.043330



Manual Integration Results

RT: 16.79
Response: 345
Amount: 0.043330



Reviewer: daiglep, 18-Jul-2014 11:14:25
Audit Action: Manually Integrated
Audit Reason: Baseline Event

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\8605_004.D
Lims ID: ic
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 17-Jul-2014 13:48:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0008605-004
Misc. Info.: ic-02
Operator ID: wrd Instrument ID: CHC.i
Sublist: chrom-TO15_LLNJ_TO3_CHC*sub2

Method: \\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\TO15_LLNJ_TO3_CHC.m
Limit Group: AI_TO15_ICAL
Last Update: 21-Jul-2014 11:27:34 Calib Date: 18-Jul-2014 09:36:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\8605_018.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK025

First Level Reviewer: daiglep Date: 17-Jul-2014 15:54:03

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	3.010	3.004	0.006	95	1801	0.2004	0.3193	
2 Dichlorodifluoromethane	85	3.079	3.074	0.005	98	7257	0.2004	0.2437	
6 Chlorodifluoromethane	51	3.133	3.132	0.001	94	3265	0.2004	0.2449	
7 1,2-Dichloro-1,1,2,2-tetra	85	3.351	3.351	0.000	91	5740	0.2004	0.2228	
8 Chloromethane	50	3.496	3.495	0.001	95	1767	0.2004	0.2495	
9 Butane	43	3.704	3.698	0.006	98	2884	0.2004	0.2509	
10 Vinyl chloride	62	3.746	3.746	0.000	95	2055	0.2004	0.2370	
11 Butadiene	54	3.826	3.826	0.000	93	1394	0.2004	0.2141	
12 Bromomethane	94	4.542	4.536	0.006	93	1677	0.2004	0.1893	
13 Chloroethane	64	4.787	4.792	-0.005	1	769	0.2004	0.2034	
14 2-Methylbutane	43	4.862	4.862	0.000	56	1741	0.2004	0.2478	M
15 Vinyl bromide	106	5.193	5.192	0.001	97	1903	0.2004	0.2183	
16 Trichlorofluoromethane	101	5.305	5.299	0.006	85	7057	0.2004	0.2217	
17 Pentane	43	5.443	5.449	-0.006	92	3006	0.2004	0.2559	
19 Ethanol	45	5.972	5.945	0.027	98	3062	0.4009	1.31	M
21 Ethyl ether	59	6.020	6.004	0.016	28	899	0.2004	0.1791	M
22 Acrolein	56	6.420	6.409	0.011	58	1177	0.2004	0.5491	
23 1,1,2-Trichloro-1,2,2-trif	101	6.420	6.415	0.005	94	3535	0.2004	0.1984	
24 1,1-Dichloroethene	96	6.463	6.463	0.000	95	1558	0.2004	0.1860	
25 Acetone	43	6.751	6.740	0.011	86	35912	0.2004	3.10	
26 Carbon disulfide	76	6.842	6.842	0.000	98	5116	0.2004	0.2080	
27 Isopropyl alcohol	45	7.109	7.066	0.043	96	2416	0.2004	0.2615	
29 3-Chloro-1-propene	41	7.285	7.285	0.000	27	2178	0.2004	0.2473	
30 Acetonitrile	41	7.455	7.450	0.005	72	882	0.2004	0.1969	M
31 Methylene Chloride	49	7.589	7.589	0.000	89	2406	0.2004	0.2940	
32 2-Methyl-2-propanol	59	7.893	7.856	0.037	98	7638	0.2004	0.5011	
33 Methyl tert-butyl ether	73	8.032	8.005	0.027	89	5202	0.2004	0.2108	M
34 trans-1,2-Dichloroethene	61	8.032	8.032	0.000	85	2723	0.2004	0.2343	
35 Acrylonitrile	53	8.219	8.219	0.001	92	936	0.2004	0.1960	M
36 Hexane	57	8.411	8.421	-0.010	61	2300	0.2004	0.2156	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
37 1,1-Dichloroethane	63	8.939	8.934	0.005	91	3684	0.2004	0.2368	M
38 Vinyl acetate	43	9.035	9.035	0.000	98	4554	0.2004	0.2356	M
39 cis-1,2-Dichloroethene	96	10.081	10.076	0.005	96	2392	0.2004	0.2155	M
40 2-Butanone (MEK)	72	10.172	10.156	0.016	99	2054	0.2004	0.4022	
42 Ethyl acetate	88		10.193					ND	
S 41 1,2-Dichloroethene, Total	61				0		0.4009	0.4499	
* 43 Chlorobromomethane	128	10.551	10.551	0.000	91	96148	10.0	10.0	
44 Tetrahydrofuran	42	10.599	10.567	0.032	90	2456	0.2004	0.2555	
45 Chloroform	83	10.700	10.700	0.000	97	5787	0.2004	0.2224	M
46 Cyclohexane	84	10.908	10.914	-0.006	42	3108	0.2004	0.2118	M
47 1,1,1-Trichloroethane	97	10.957	10.962	-0.006	95	6710	0.2004	0.2197	
48 Carbon tetrachloride	117	11.197	11.207	-0.010	97	7005	0.2004	0.2115	
51 Isooctane	57	11.656	11.655	0.001	97	13571	0.2004	0.2348	
50 Benzene	78	11.693	11.693	0.000	96	8748	0.2004	0.2351	
52 1,2-Dichloroethane	62	11.896	11.896	0.000	94	4544	0.2004	0.2156	
53 n-Heptane	43	12.056	12.066	-0.010	93	5445	0.2004	0.2367	M
* 54 1,4-Difluorobenzene	114	12.568	12.568	0.000	96	587290	10.0	10.0	
55 n-Butanol	56	13.049	13.011	0.038	32	2012	0.2004	0.2719	
56 Trichloroethene	95	13.027	13.032	-0.005	93	4391	0.2004	0.2153	M
A 57 GRO	1	13.171	(4.852-21.491)		0	1284210	0.2004	0	
58 1,2-Dichloropropane	63	13.604	13.609	-0.005	84	3947	0.2004	0.2135	M
59 Methyl methacrylate	69	13.790	13.801	-0.011	91	3043	0.2004	0.1798	
60 1,4-Dioxane	88	13.902	13.860	0.042	10	920	0.2004	0.1337	
61 Dibromomethane	174	13.865	13.870	-0.005	89	2986	0.2004	0.1821	
62 Dichlorobromomethane	83	14.185	14.180	0.005	98	7861	0.2004	0.2006	
A 63 TVOC as Toluene	1	14.884	(2.994-26.774)		0	2058487	0.2004	61.9	
64 cis-1,3-Dichloropropene	75	15.130	15.130	0.000	93	5470	0.2004	0.1927	
65 4-Methyl-2-pentanone (MIBK	43	15.440	15.434	0.006	96	7959	0.2004	0.2086	
A 67 Toluene Range	1	15.712	(15.672-15.752)		0	26042	NC	NC	
66 Toluene	92	15.706	15.712	-0.006	94	7183	0.2004	0.2220	
68 n-Octane	43	15.770	15.770	0.000	92	8816	0.2004	0.2250	M
A 69 C8 Range	1	15.782	(15.769-16.270)		0	32324	NC	NC	
70 trans-1,3-Dichloropropene	75	16.336	16.331	0.005	46	8068	0.2004	0.2470	
71 1,1,2-Trichloroethane	83	16.704	16.704	0.000	87	3546	0.2004	0.2037	
72 Tetrachloroethene	166	16.784	16.790	-0.006	90	5085	0.2004	0.2045	M
73 2-Hexanone	43	17.179	17.168	0.011	97	8641	0.2004	0.2372	
74 Chlorodibromomethane	129	17.457	17.462	-0.005	97	6250	0.2004	0.1772	
75 Ethylene Dibromide	107	17.734	17.729	0.005	97	6202	0.2004	0.1987	
* 76 Chlorobenzene-d5	117	18.626	18.625	0.001	90	571534	10.0	10.0	
77 Chlorobenzene	112	18.684	18.684	0.000	92	8939	0.2004	0.2100	
78 Ethylbenzene	91	18.834	18.834	0.000	98	15752	0.2004	0.2183	
79 n-Nonane	57	18.951	18.956	-0.005	92	7895	0.2004	0.2139	M
81 m-Xylene & p-Xylene	106	19.085	19.090	-0.005	97	11839	0.4009	0.4413	
83 o-Xylene	106	19.923	19.928	-0.006	91	5711	0.2004	0.2043	
84 Styrene	104	19.976	19.981	-0.005	95	7255	0.2004	0.1813	
S 82 Xylenes, Total	106				0		0.6013	0.6456	
85 Bromoform	173	20.392	20.397	-0.005	91	5328	0.2004	0.1646	
86 Isopropylbenzene	105	20.595	20.595	0.000	97	17545	0.2004	0.2227	
$ 87 4-Bromofluorobenzene	95	20.963	20.963	0.000	80	459016	NC	NC	
88 1,1,2,2-Tetrachloroethane	83	21.257	21.251	0.006	95	9517	0.2004	0.2122	
90 N-Propylbenzene	91	21.305	21.310	-0.005	98	21938	0.2004	0.2266	
89 1,2,3-Trichloropropane	75	21.347	21.347	0.000	96	8608	0.2004	0.2335	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
93 n-Decane	57	21.476	21.481	-0.005	89	10260	0.2004	0.2416	M
91 4-Ethyltoluene	105	21.497	21.497	0.000	89	17123	0.2004	0.2322	
92 2-Chlorotoluene	91	21.502	21.507	-0.005	89	16712	0.2004	0.2432	
94 1,3,5-Trimethylbenzene	105	21.604	21.603	0.001	92	14864	0.2004	0.2201	
95 Alpha Methyl Styrene	118	21.967	21.966	0.001	85	4552	0.2004	0.1516	
96 tert-Butylbenzene	119	22.084	22.084	0.000	90	13661	0.2004	0.2201	
97 1,2,4-Trimethylbenzene	105	22.180	22.180	0.000	98	14525	0.2004	0.2159	
98 sec-Butylbenzene	105	22.410	22.409	0.001	98	21154	0.2004	0.2274	
99 4-Isopropyltoluene	119	22.607	22.607	0.000	96	16095	0.2004	0.2124	
100 1,3-Dichlorobenzene	146	22.634	22.639	-0.005	91	8924	0.2004	0.2091	
101 1,4-Dichlorobenzene	146	22.767	22.772	-0.005	90	8758	0.2004	0.2010	
102 Benzyl chloride	91	22.970	22.970	0.000	97	11981	0.2004	0.2010	
103 n-Butylbenzene	91	23.178	23.173	0.006	98	15125	0.2004	0.2041	
104 Undecane	57	23.194	23.194	0.000	94	7732	0.2004	0.1713	
105 1,2-Dichlorobenzene	146	23.306	23.301	0.005	92	8627	0.2004	0.2056	
106 Dodecane	57		24.779					ND	
107 1,2,4-Trichlorobenzene	180	25.793	25.798	-0.005	1	515	0.2004	0.0206	
108 Hexachlorobutadiene	225	25.991	25.985	0.006	79	3688	0.2004	0.1343	
109 Naphthalene	128	26.295	26.289	0.006	93	2035	0.2004	0.0363	M
110 1,2,3-Trichlorobenzene	180	26.759	26.764	-0.005	1	298	0.2004	0.0168	M

QC Flag Legend

Processing Flags
NC - Not Calibrated
ND - Not Detected or Marked ND

Review Flags
M - Manually Integrated

Reagents:

ATTO15CAL1w_00105	Amount Added: 200.00	Units: mL	
ATTO15CISs_00006	Amount Added: 20.00	Units: mL	Run Reagent

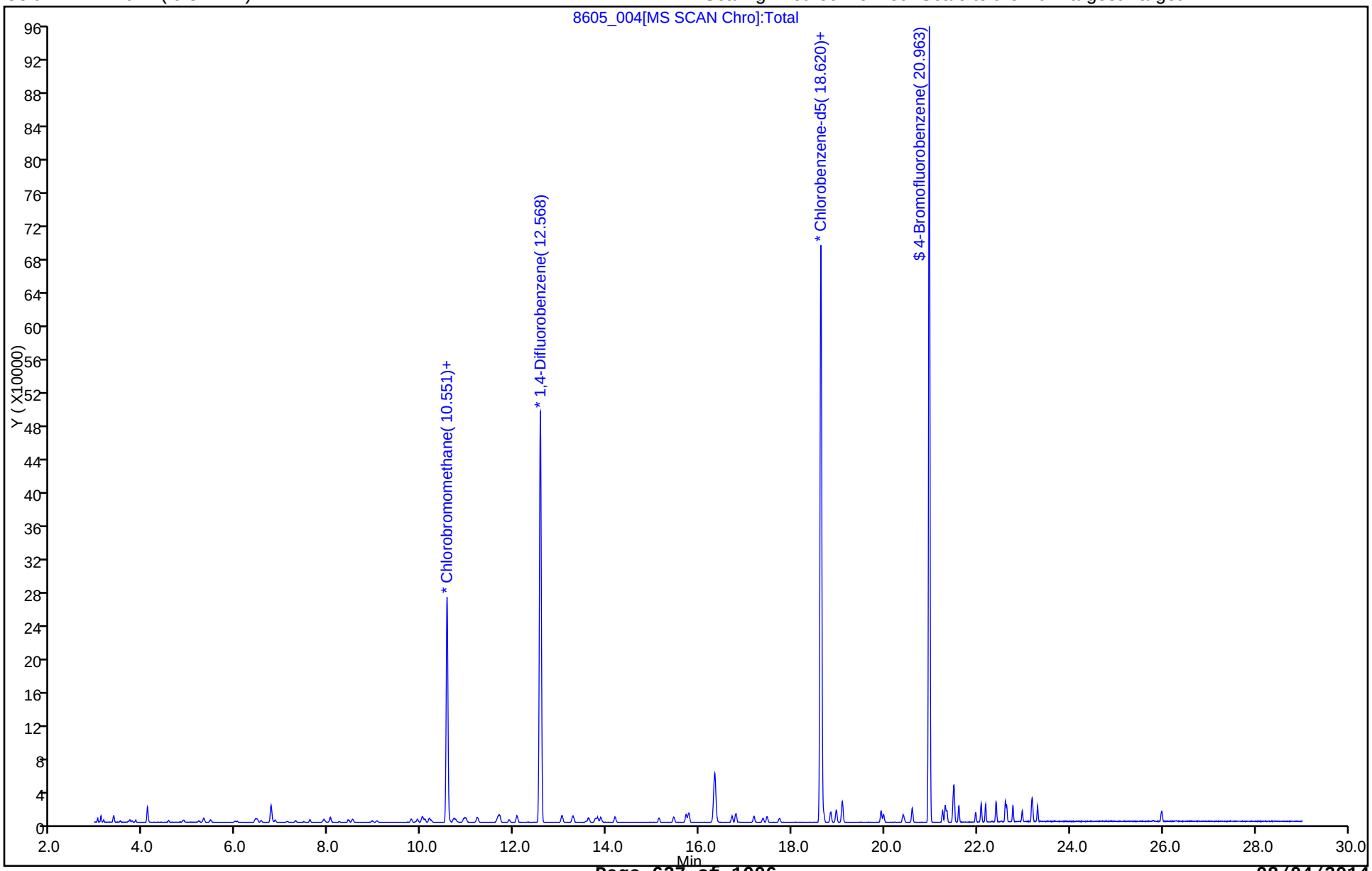
Report Date: 21-Jul-2014 11:27:34 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\8605_004.D

Injection Date:	17-Jul-2014 13:48:30	Instrument ID:	CHC.i	Operator ID:	wrd
Lims ID:	ic			Worklist Smp#:	4
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
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



Manual Integration/User Assign Peak Report

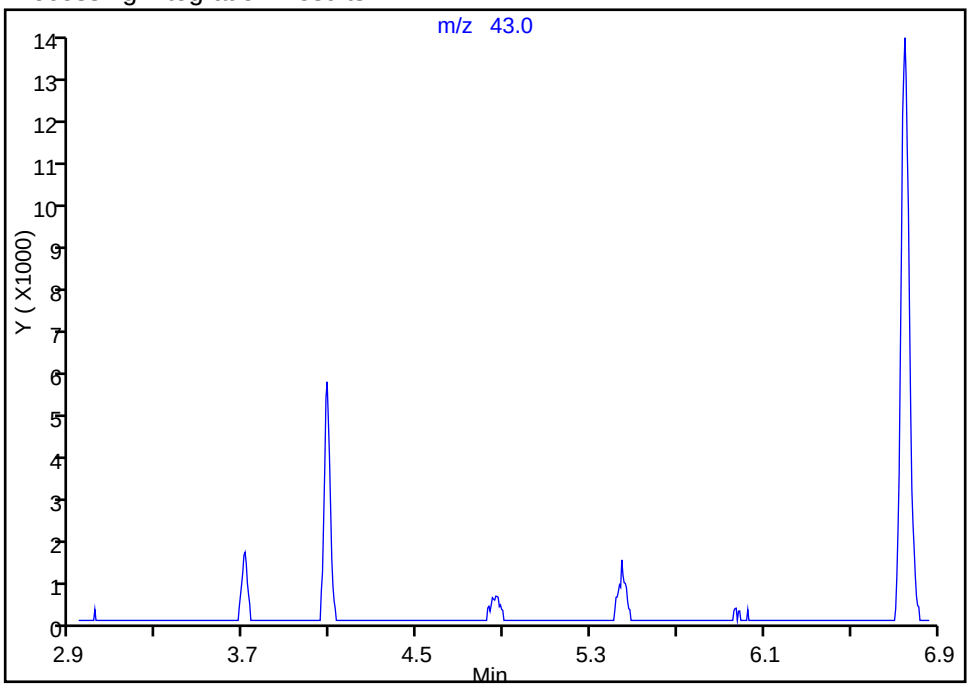
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\8605_004.D				
Injection Date:	17-Jul-2014 13:48:30	Instrument ID:	CHC.i		
Lims ID:	ic				
Client ID:					
Operator ID:	wrd	ALS Bottle#:	3	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

14 2-Methylbutane, CAS: 78-78-4

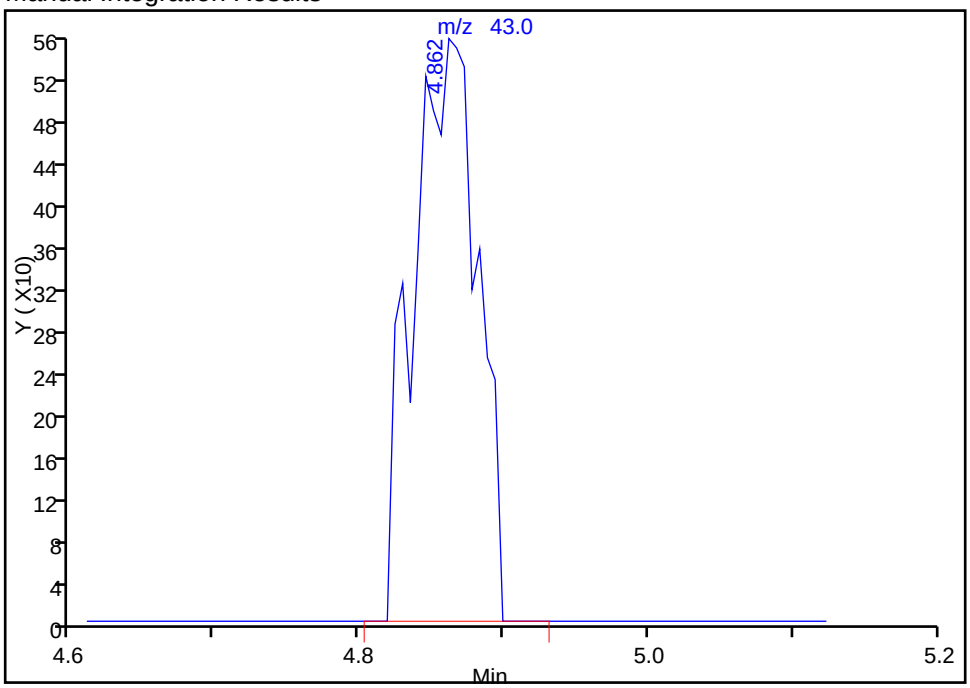
Processing Integration Results

Not Detected
Expected RT: 4.86



Manual Integration Results

RT: 4.86
Response: 1741
Amount: 0.247775



Reviewer: desjardinsb, 18-Jul-2014 08:08:47
Audit Action: Manually Integrated
Audit Reason: Peak not found by the data system

Manual Integration/User Assign Peak Report

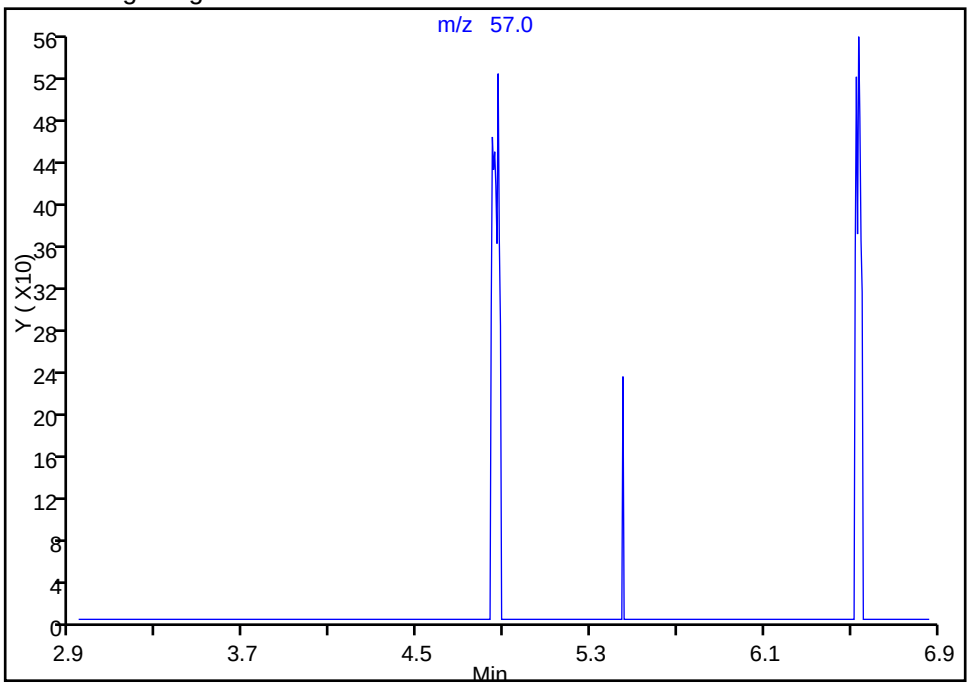
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\8605_004.D				
Injection Date:	17-Jul-2014 13:48:30	Instrument ID:	CHC.i		
Lims ID:	ic				
Client ID:					
Operator ID:	wrd	ALS Bottle#:	3	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

14 2-Methylbutane, CAS: 78-78-4

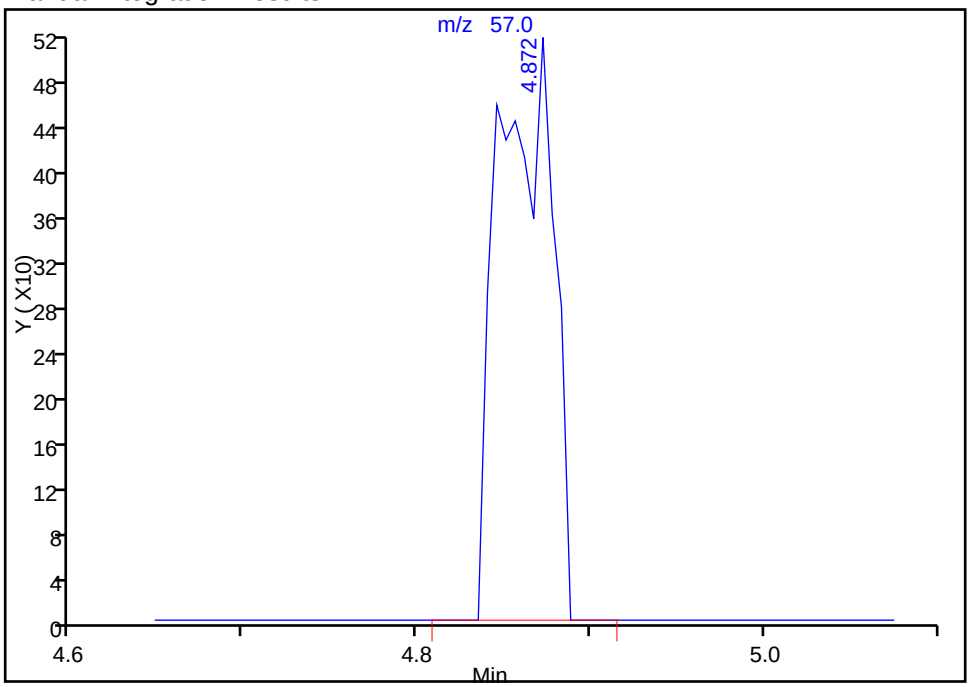
Processing Integration Results

Not Detected
Expected RT: 4.86



Manual Integration Results

RT: 4.87
Response: 1133
Amount: 0.247775



Reviewer: desjardinsb, 18-Jul-2014 08:08:47
Audit Action: Manually Integrated
Audit Reason: Peak not found by the data system

Manual Integration/User Assign Peak Report

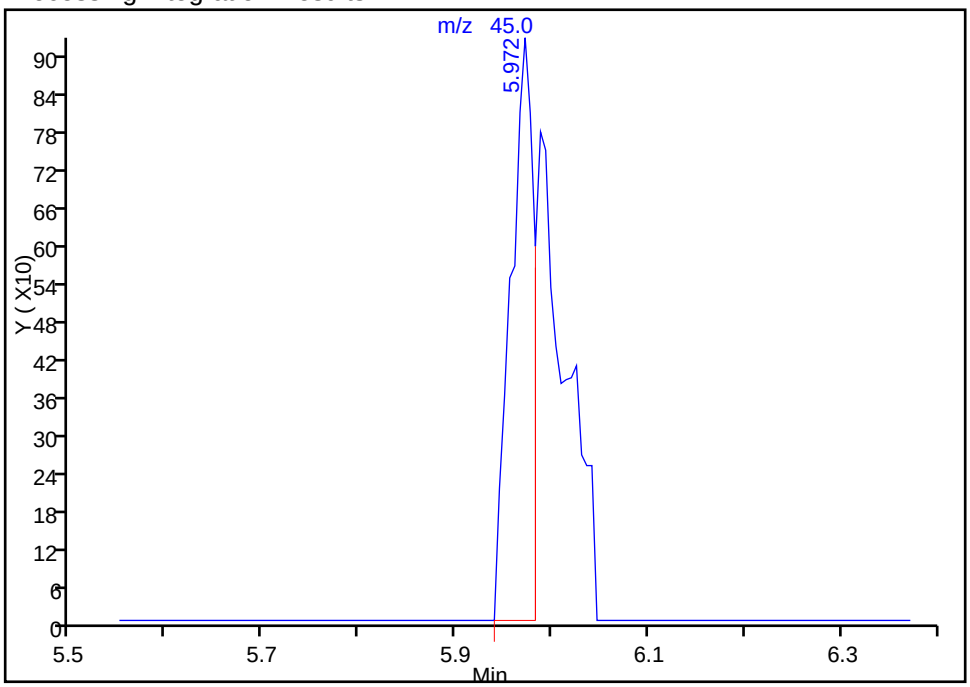
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\8605_004.D				
Injection Date:	17-Jul-2014 13:48:30	Instrument ID:	CHC.i		
Lims ID:	ic				
Client ID:					
Operator ID:	wrd	ALS Bottle#:	3	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

19 Ethanol, CAS: 64-17-5

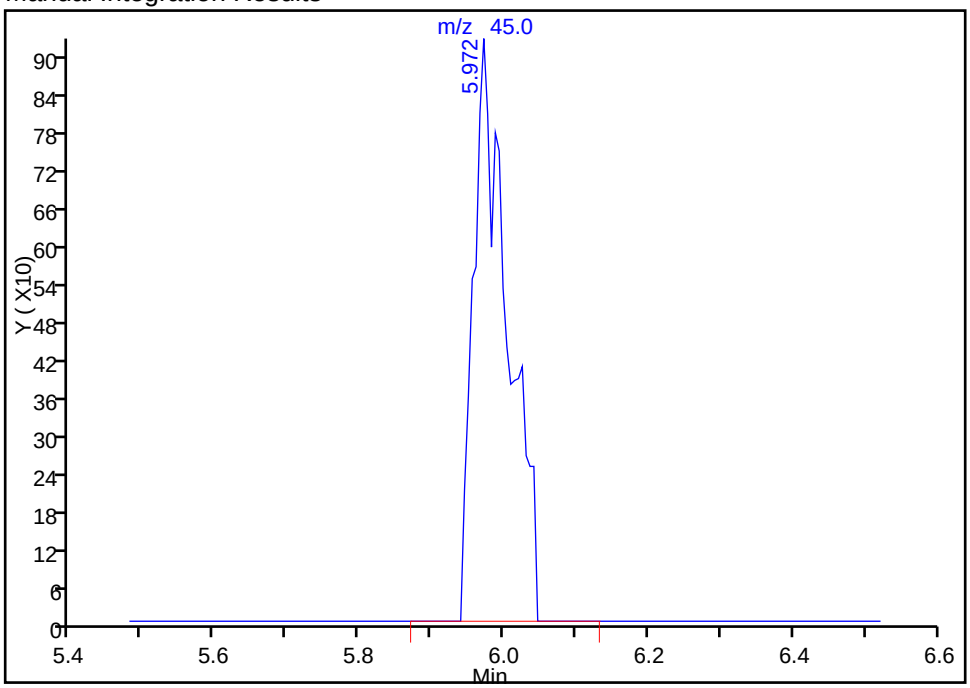
Processing Integration Results

RT: 5.97
Response: 1533
Amount: 0.709052



Manual Integration Results

RT: 5.97
Response: 3062
Amount: 1.312158



Reviewer: daiglep, 18-Jul-2014 11:21:17
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

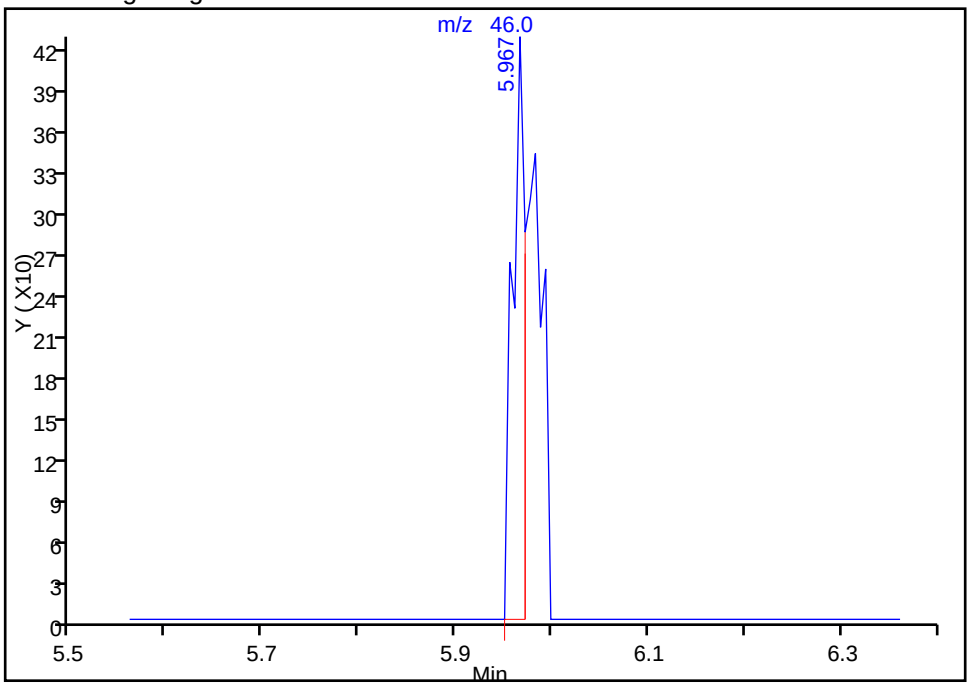
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\8605_004.D				
Injection Date:	17-Jul-2014 13:48:30	Instrument ID:	CHC.i		
Lims ID:	ic				
Client ID:					
Operator ID:	wrd	ALS Bottle#:	3	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

19 Ethanol, CAS: 64-17-5

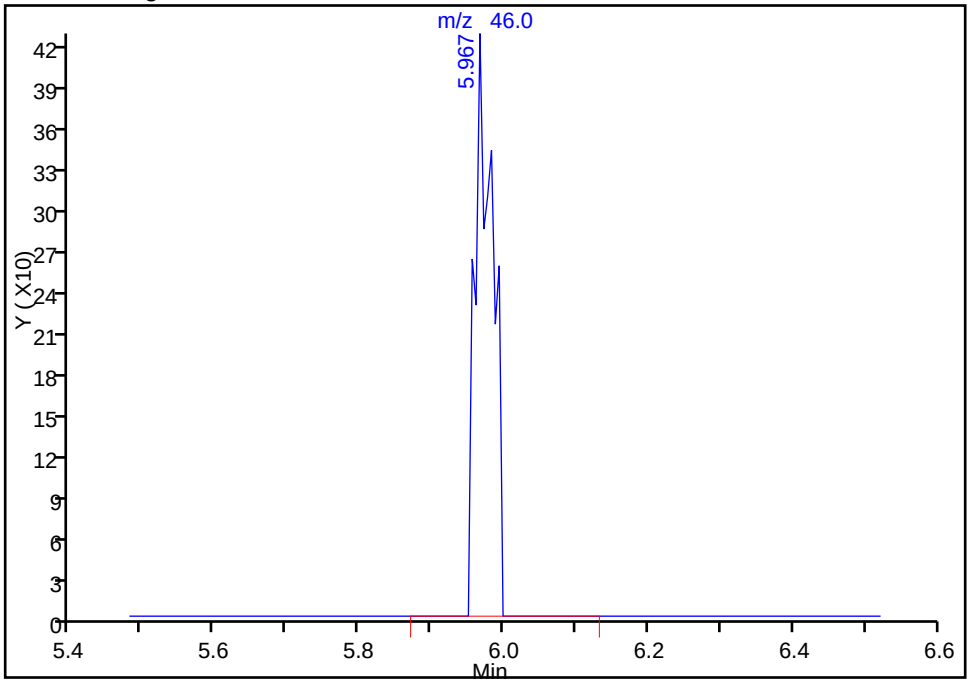
Processing Integration Results

RT: 5.97
Response: 386
Amount: 0.709052



Manual Integration Results

RT: 5.97
Response: 746
Amount: 1.312158



Reviewer: daiglep, 18-Jul-2014 11:21:17
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

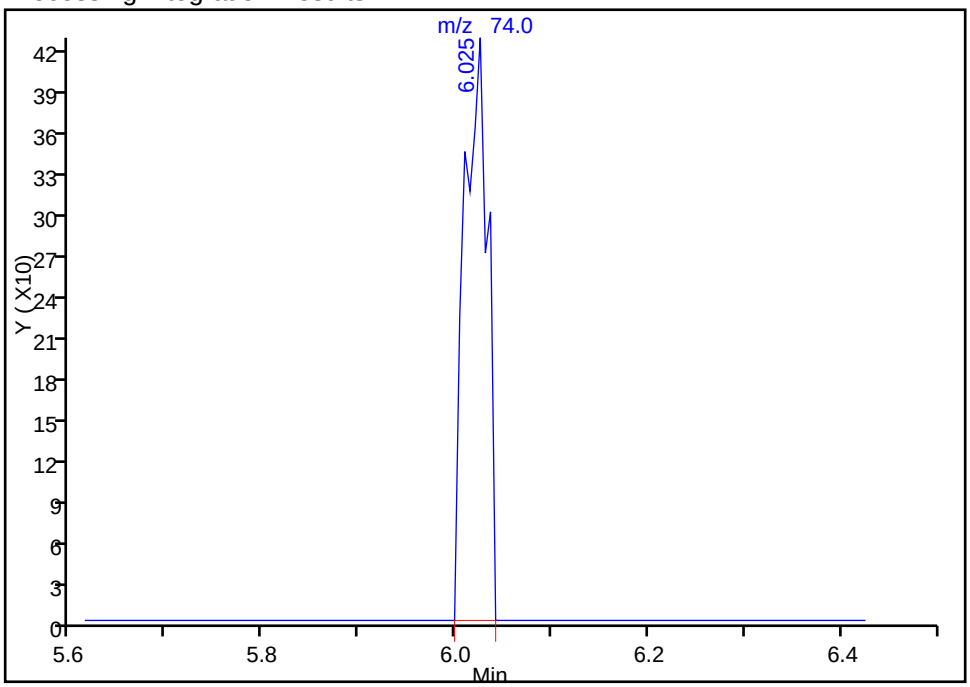
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\8605_004.D				
Injection Date:	17-Jul-2014 13:48:30	Instrument ID:	CHC.i		
Lims ID:	ic				
Client ID:					
Operator ID:	wrd	ALS Bottle#:	3	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

21 Ethyl ether, CAS: 60-29-7

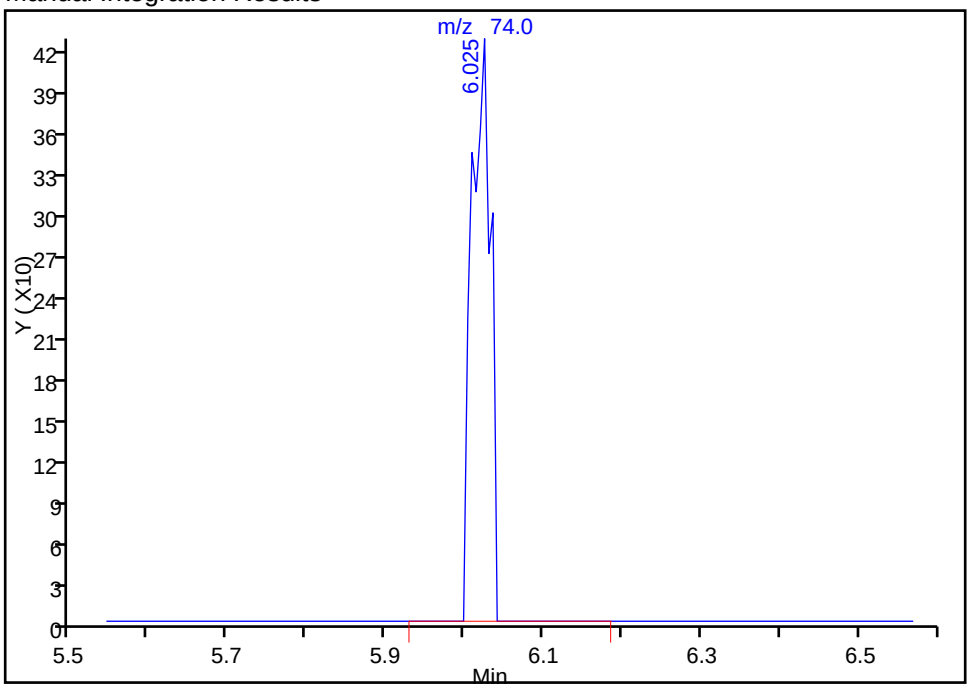
Processing Integration Results

RT: 6.03
Response: 713
Amount: 0.179142



Manual Integration Results

RT: 6.03
Response: 713
Amount: 0.179142



Reviewer: daiglep, 18-Jul-2014 11:21:17
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

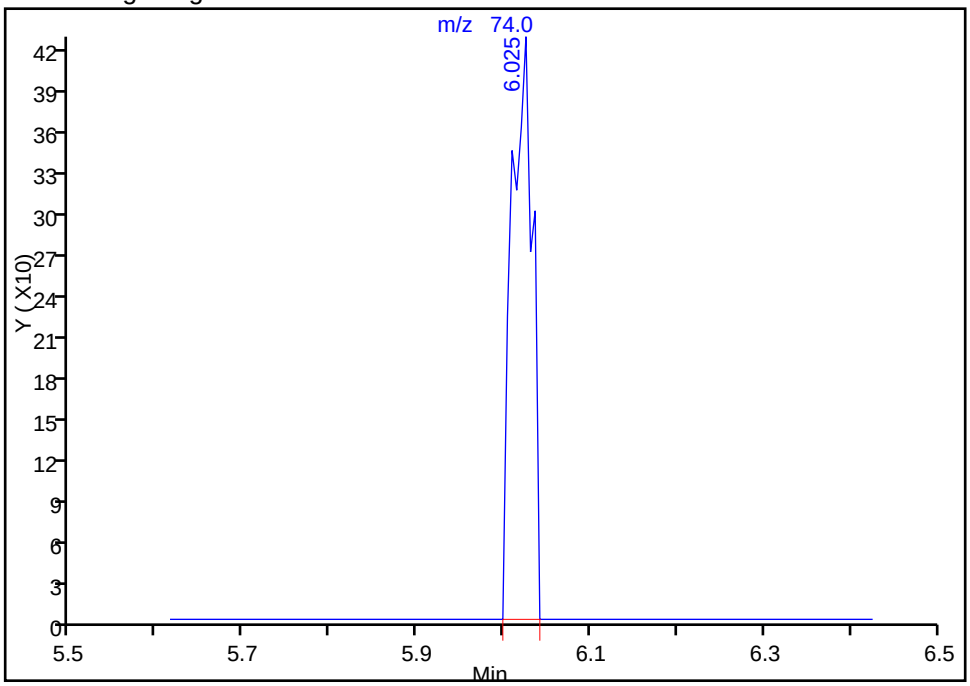
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\8605_004.D				
Injection Date:	17-Jul-2014 13:48:30	Instrument ID:	CHC.i		
Lims ID:	ic				
Client ID:					
Operator ID:	wrd	ALS Bottle#:	3	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

21 Ethyl ether, CAS: 60-29-7

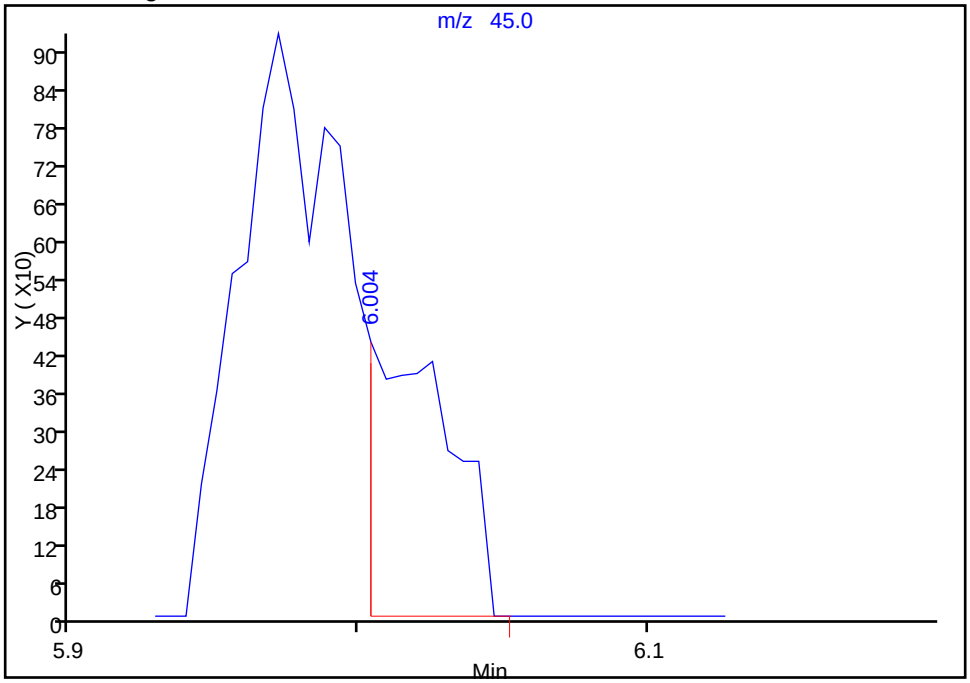
Processing Integration Results

RT: 6.00
Response: 0
Amount: 0.179142



Manual Integration Results

RT: 6.00
Response: 874
Amount: 0.179142



Reviewer: daiglep, 18-Jul-2014 11:21:17
Audit Action: Split an Integrated Peak
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\8605_004.D				
Injection Date:	17-Jul-2014 13:48:30	Instrument ID:	CHC.i		
Lims ID:	ic				
Client ID:					
Operator ID:	wrd	ALS Bottle#:	3	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

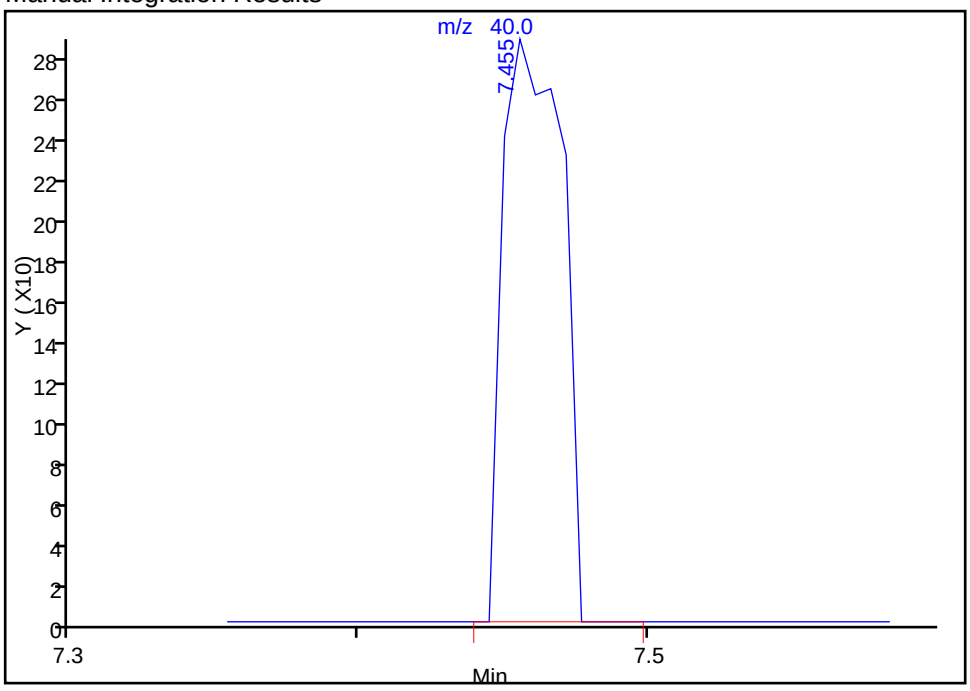
30 Acetonitrile, CAS: 75-05-8

Processing Integration Results

RT: 7.45
Response: 0
Amount: 0.196913

Manual Integration Results

RT: 7.46
Response: 402
Amount: 0.196913



Reviewer: daiglep, 18-Jul-2014 11:21:17
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\8605_004.D
Injection Date: 17-Jul-2014 13:48:30 Instrument ID: CHC.i
Lims ID: ic
Client ID:
Operator ID: wrd ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHC Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

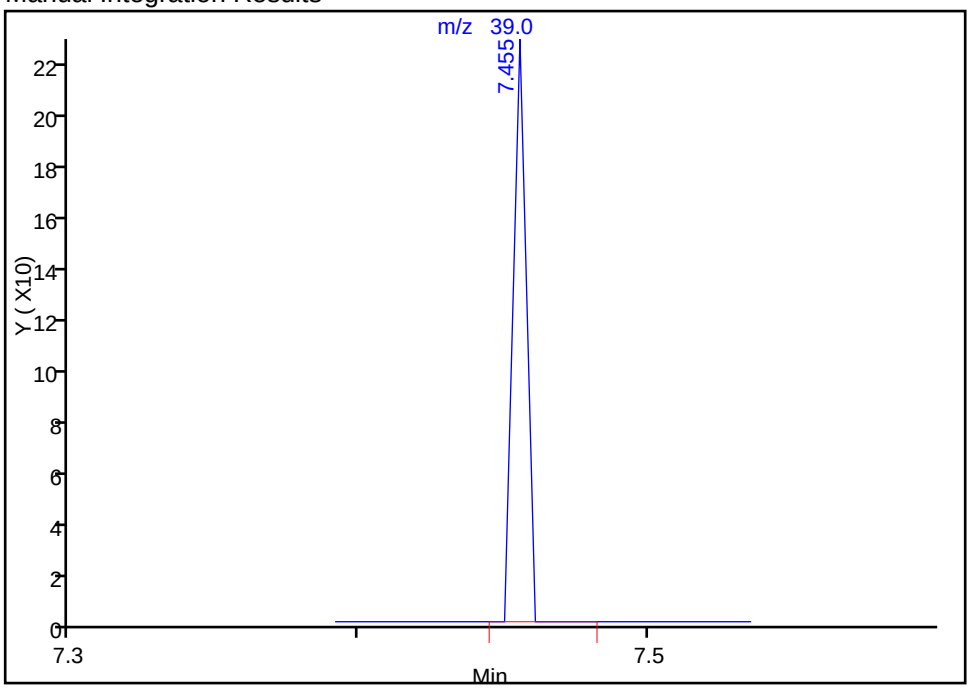
30 Acetonitrile, CAS: 75-05-8

Processing Integration Results

RT: 7.45
Response: 0
Amount: 0.196913

Manual Integration Results

RT: 7.46
Response: 71
Amount: 0.196913



Reviewer: daiglep, 18-Jul-2014 11:21:17
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\8605_004.D				
Injection Date:	17-Jul-2014 13:48:30	Instrument ID:	CHC.i		
Lims ID:	ic				
Client ID:					
Operator ID:	wrd	ALS Bottle#:	3	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

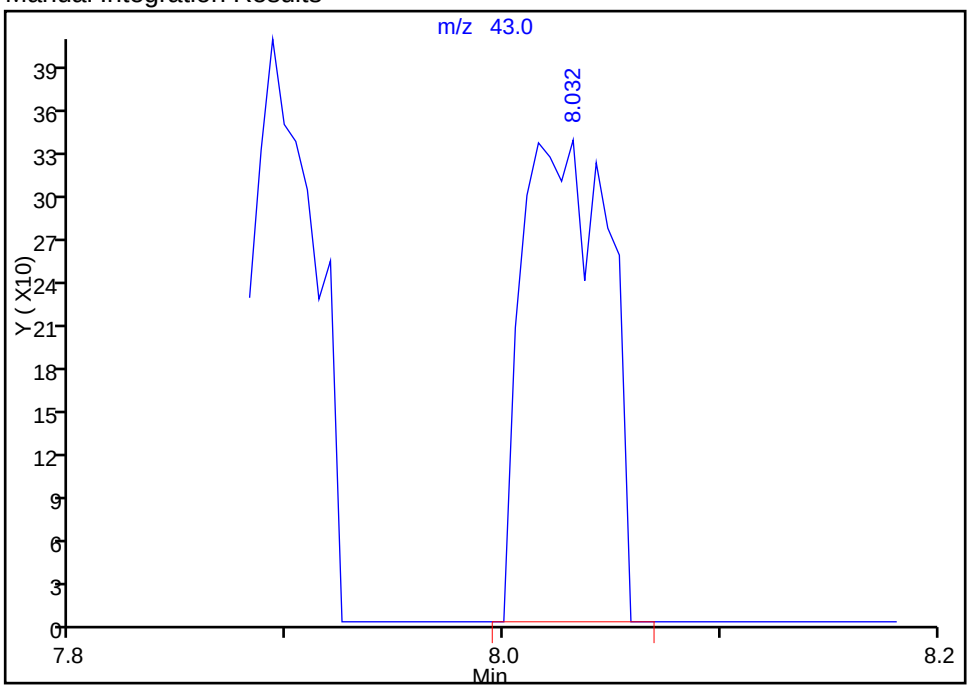
33 Methyl tert-butyl ether, CAS: 1634-04-4

Processing Integration Results

RT: 8.01
Response: 0
Amount: 0.210773

Manual Integration Results

RT: 8.03
Response: 934
Amount: 0.210773



Reviewer: daiglep, 18-Jul-2014 11:21:17
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

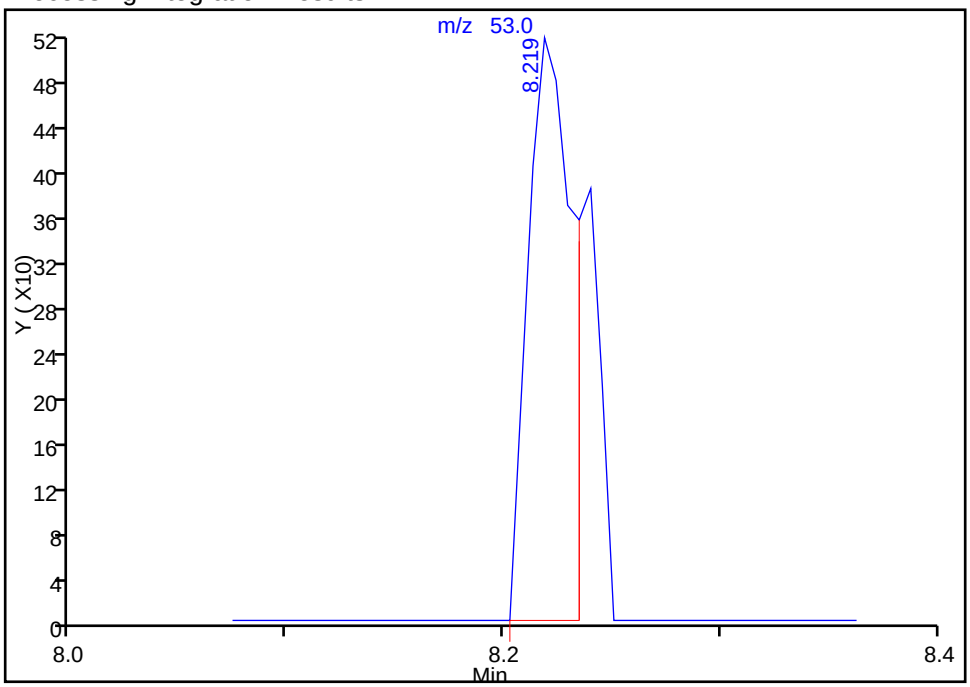
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\8605_004.D
Injection Date: 17-Jul-2014 13:48:30 Instrument ID: CHC.i
Lims ID: ic
Client ID:
Operator ID: wrd ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHC Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

35 Acrylonitrile, CAS: 107-13-1

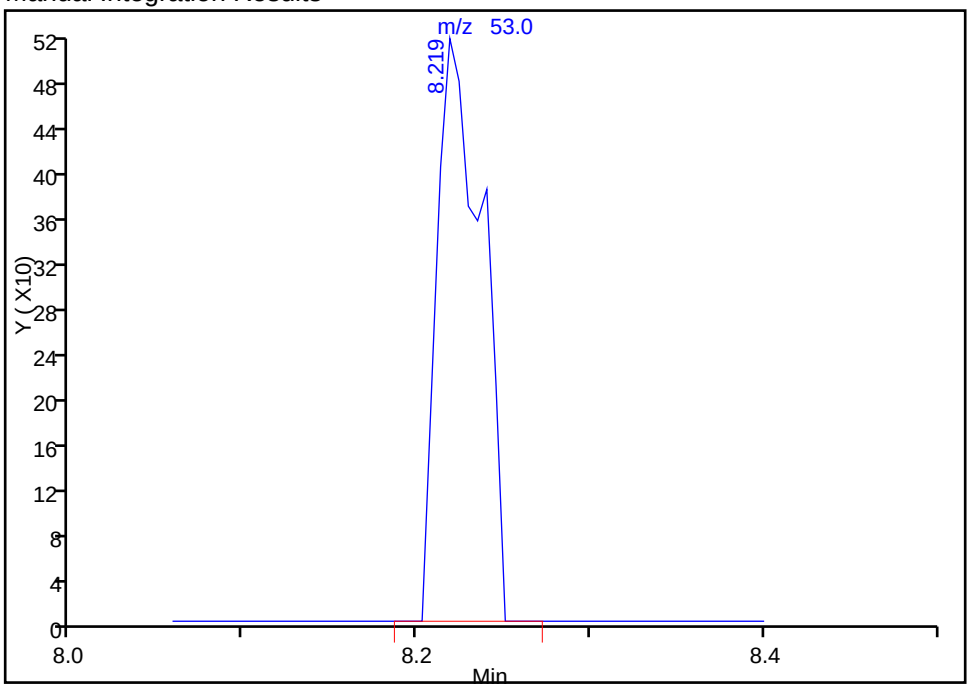
Processing Integration Results

RT: 8.22
Response: 746
Amount: 0.147855



Manual Integration Results

RT: 8.22
Response: 936
Amount: 0.196042



Reviewer: desjardinsb, 18-Jul-2014 08:08:47
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

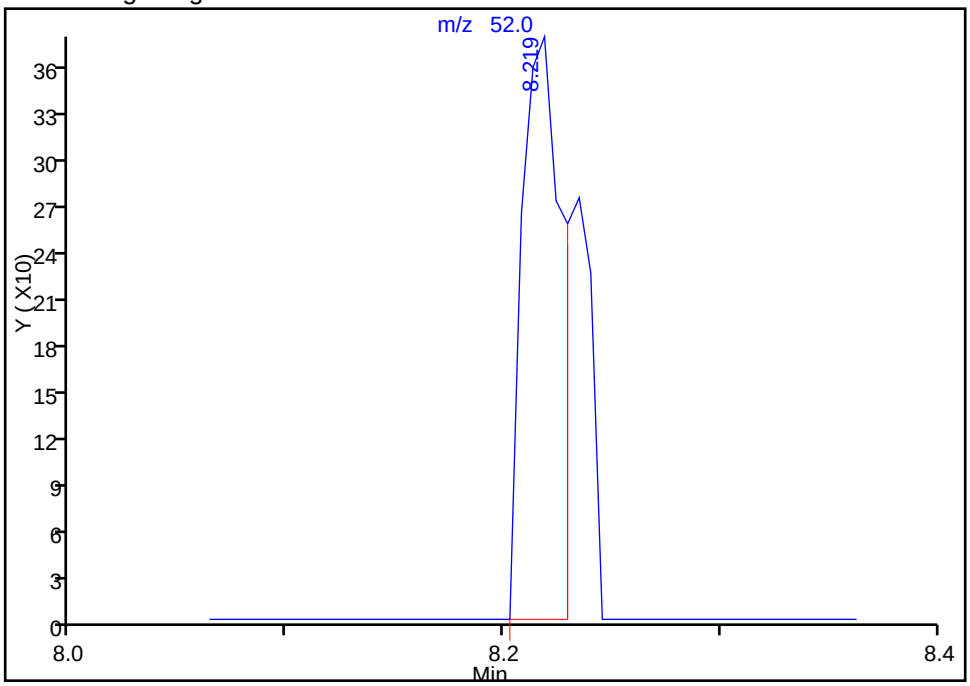
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\8605_004.D
Injection Date: 17-Jul-2014 13:48:30 Instrument ID: CHC.i
Lims ID: ic
Client ID:
Operator ID: wrd ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHC Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

35 Acrylonitrile, CAS: 107-13-1

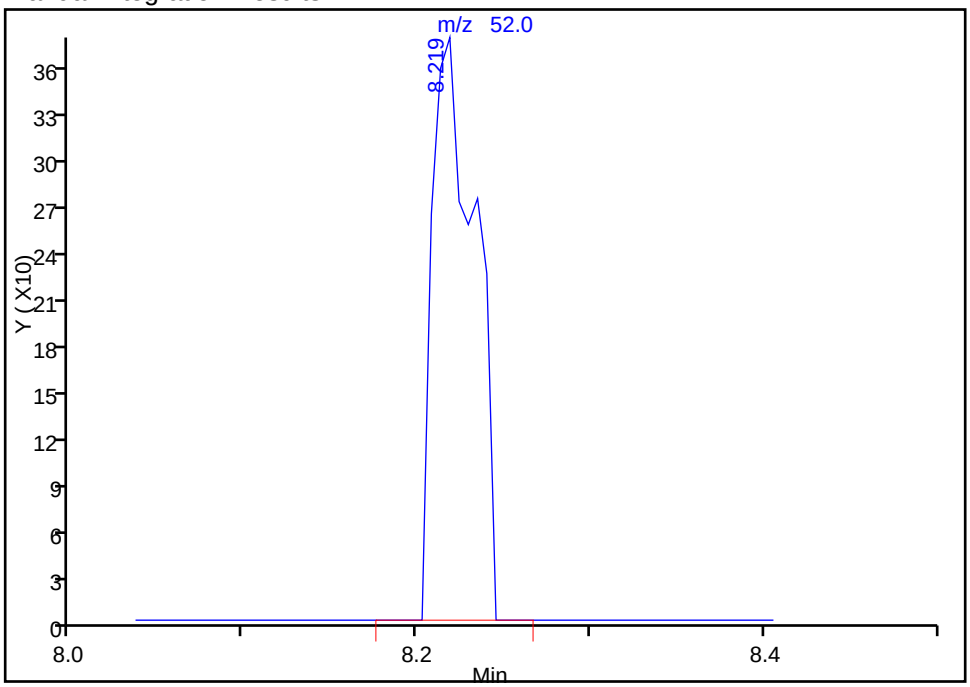
Processing Integration Results

RT: 8.22
Response: 492
Amount: 0.147855



Manual Integration Results

RT: 8.22
Response: 652
Amount: 0.196042



Reviewer: desjardinsb, 18-Jul-2014 08:08:47
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\8605_004.D				
Injection Date:	17-Jul-2014 13:48:30	Instrument ID:	CHC.i		
Lims ID:	ic				
Client ID:					
Operator ID:	wrd	ALS Bottle#:	3	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

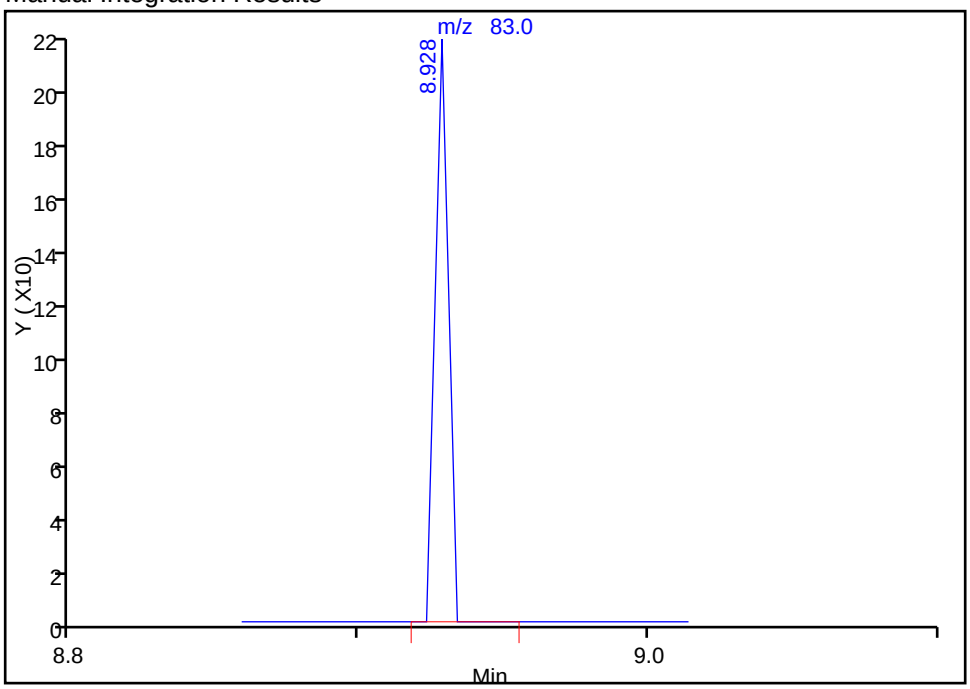
37 1,1-Dichloroethane, CAS: 75-34-3

Processing Integration Results

RT: 8.94
Response: 0
Amount: 0.236810

Manual Integration Results

RT: 8.93
Response: 68
Amount: 0.236808



Reviewer: daiglep, 18-Jul-2014 11:21:17
Audit Action: Manually Integrated
Audit Reason: Peak not found by the data system

Manual Integration/User Assign Peak Report

TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\8605_004.D				
Injection Date:	17-Jul-2014 13:48:30	Instrument ID:	CHC.i		
Lims ID:	ic				
Client ID:					
Operator ID:	wrd	ALS Bottle#:	3	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

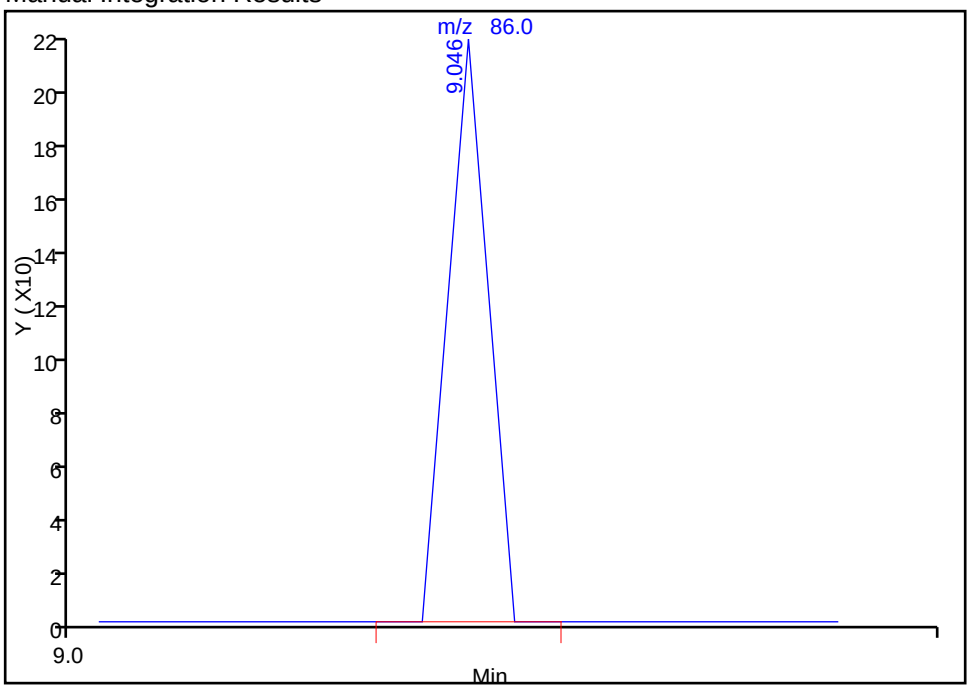
38 Vinyl acetate, CAS: 108-05-4

Processing Integration Results

RT: 9.04
Response: 0
Amount: 0.235626

Manual Integration Results

RT: 9.05
Response: 69
Amount: 0.235626



Reviewer: daiglep, 18-Jul-2014 11:21:17
Audit Action: Manually Integrated
Audit Reason: Peak not found by the data system

Manual Integration/User Assign Peak Report

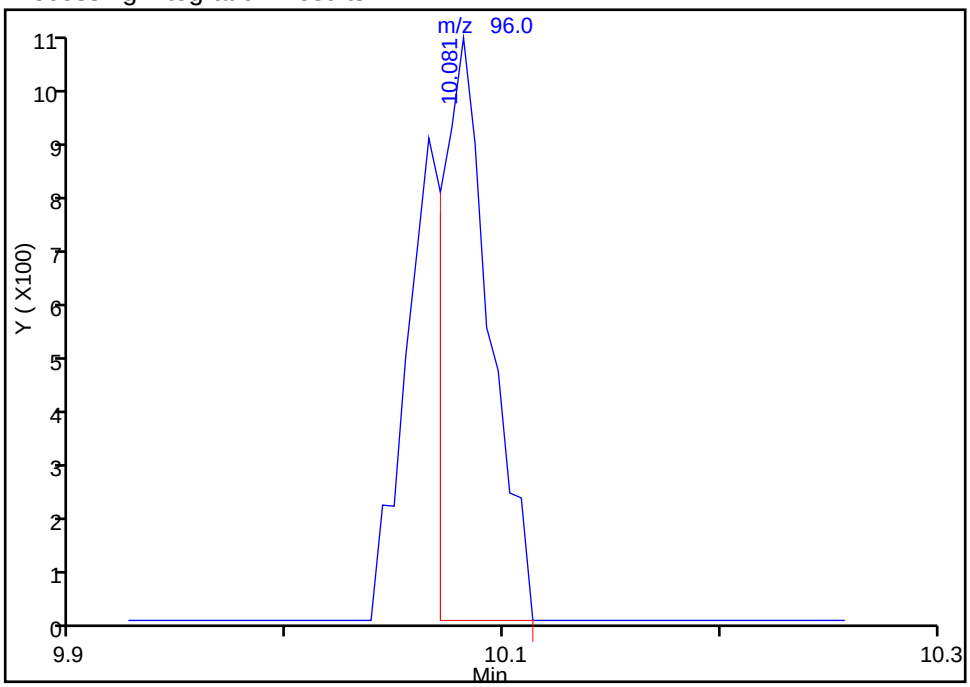
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\8605_004.D
Injection Date: 17-Jul-2014 13:48:30 Instrument ID: CHC.i
Lims ID: ic
Client ID:
Operator ID: wrd ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHC Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

39 cis-1,2-Dichloroethene, CAS: 156-59-2

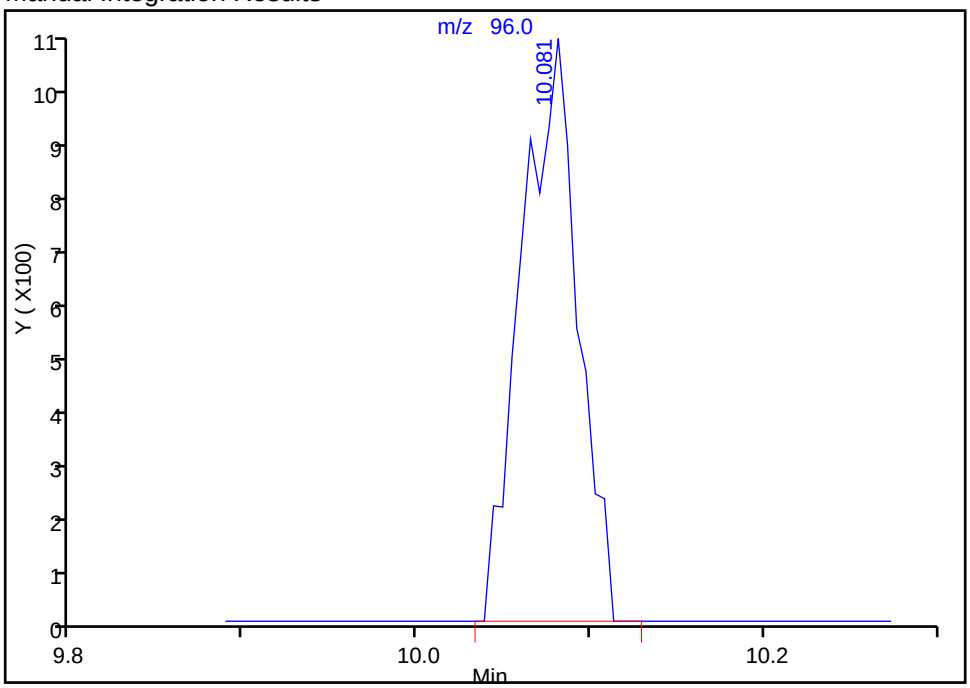
Processing Integration Results

RT: 10.08
Response: 1610
Amount: 0.148452



Manual Integration Results

RT: 10.08
Response: 2392
Amount: 0.215506



Reviewer: desjardinsb, 18-Jul-2014 08:08:47
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

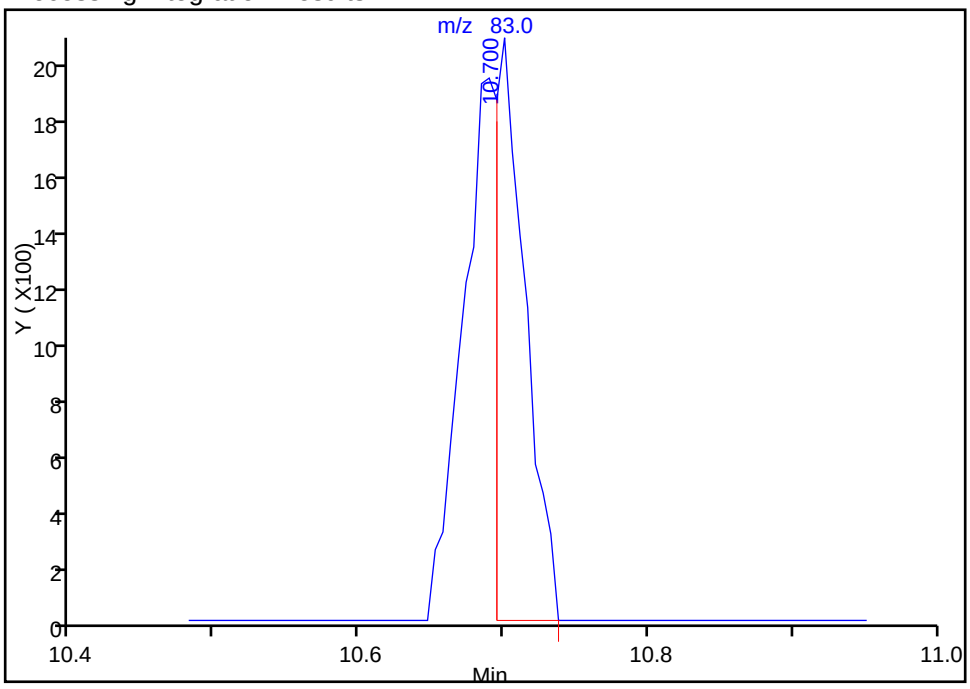
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\8605_004.D
Injection Date: 17-Jul-2014 13:48:30 Instrument ID: CHC.i
Lims ID: ic
Client ID:
Operator ID: wrd ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHC Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

45 Chloroform, CAS: 67-66-3

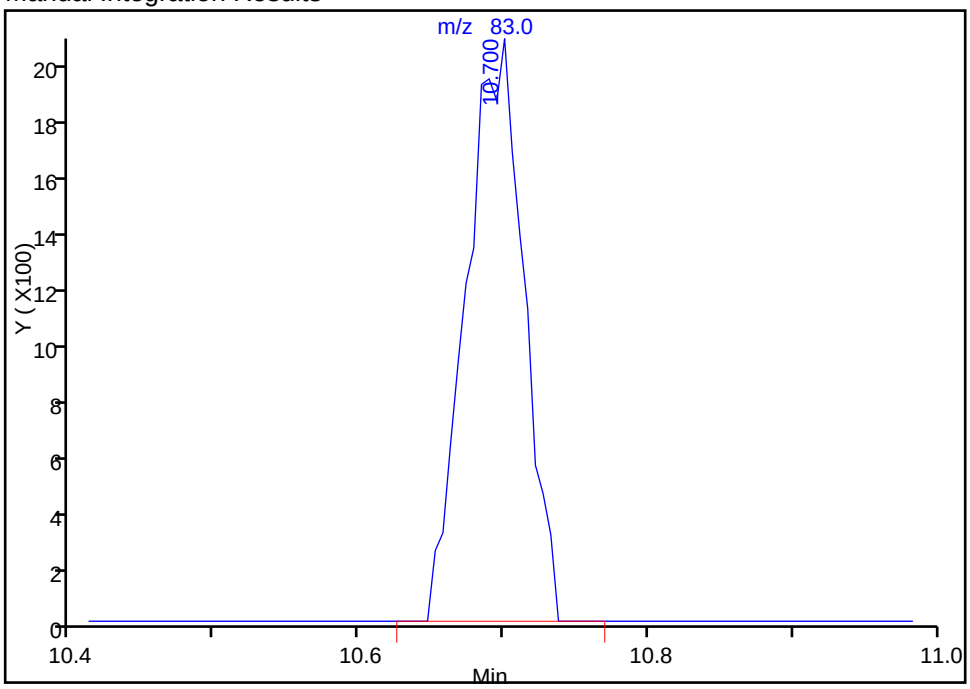
Processing Integration Results

RT: 10.70
Response: 3039
Amount: 0.119477



Manual Integration Results

RT: 10.70
Response: 5787
Amount: 0.222432



Reviewer: desjardinsb, 18-Jul-2014 08:08:47
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

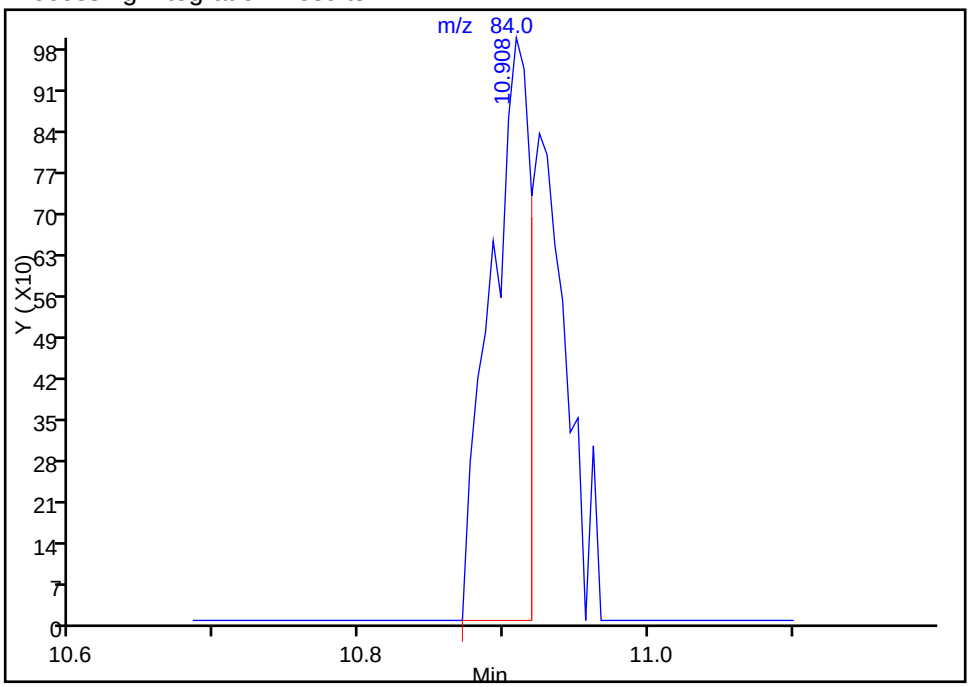
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\8605_004.D				
Injection Date:	17-Jul-2014 13:48:30	Instrument ID:	CHC.i		
Lims ID:	ic				
Client ID:					
Operator ID:	wrd	ALS Bottle#:	3	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

46 Cyclohexane, CAS: 110-82-7

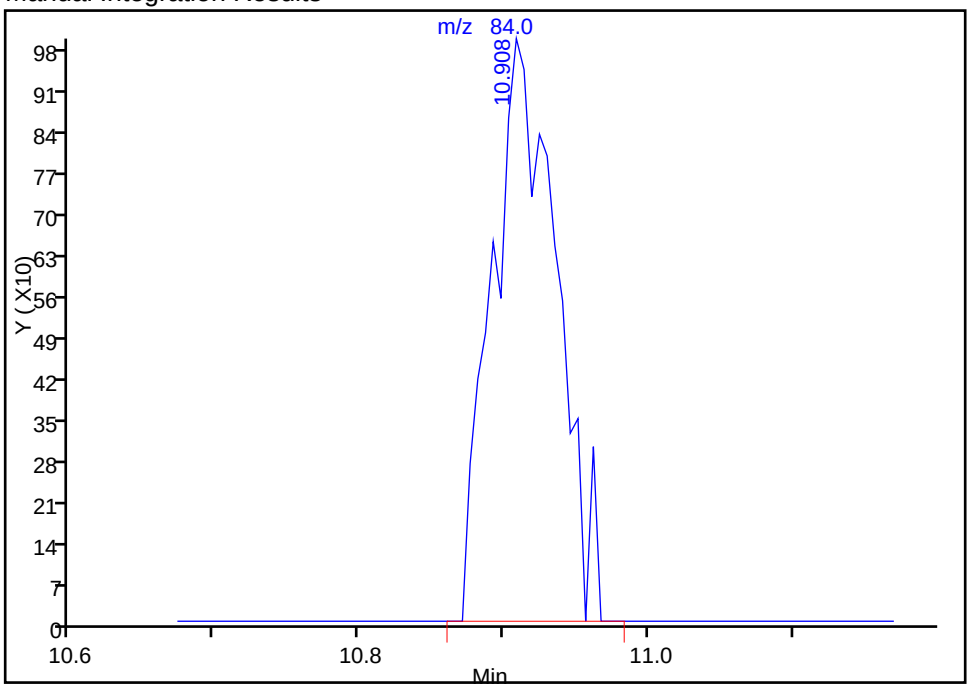
Processing Integration Results

RT: 10.91
Response: 1894
Amount: 0.133322



Manual Integration Results

RT: 10.91
Response: 3108
Amount: 0.211839



Reviewer: desjardinsb, 18-Jul-2014 08:08:47
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

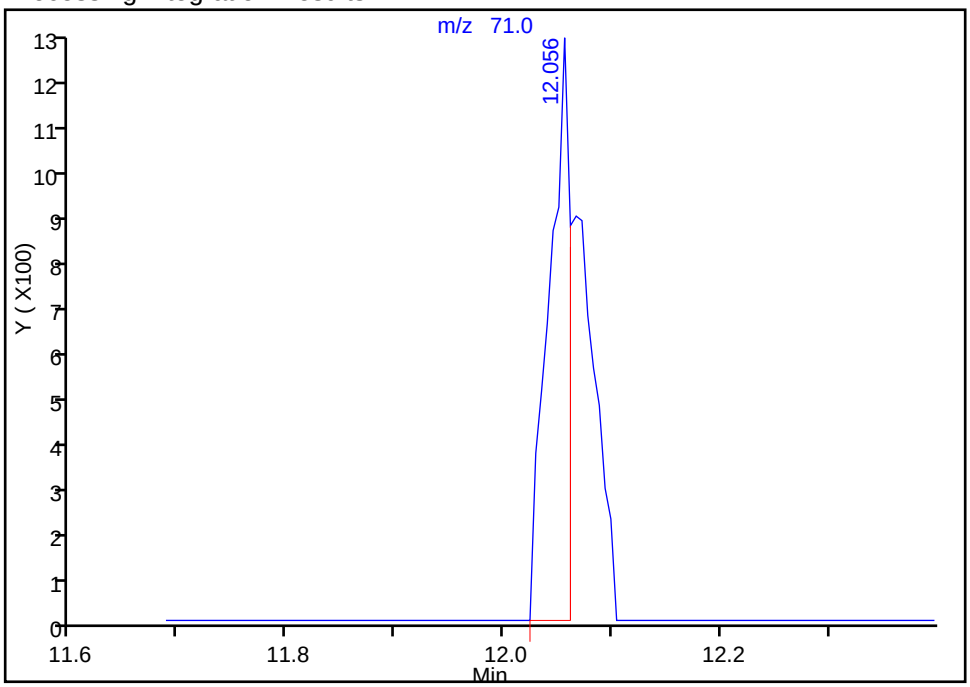
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\8605_004.D
Injection Date: 17-Jul-2014 13:48:30 Instrument ID: CHC.i
Lims ID: ic
Client ID:
Operator ID: wrd ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHC Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

53 n-Heptane, CAS: 142-82-5

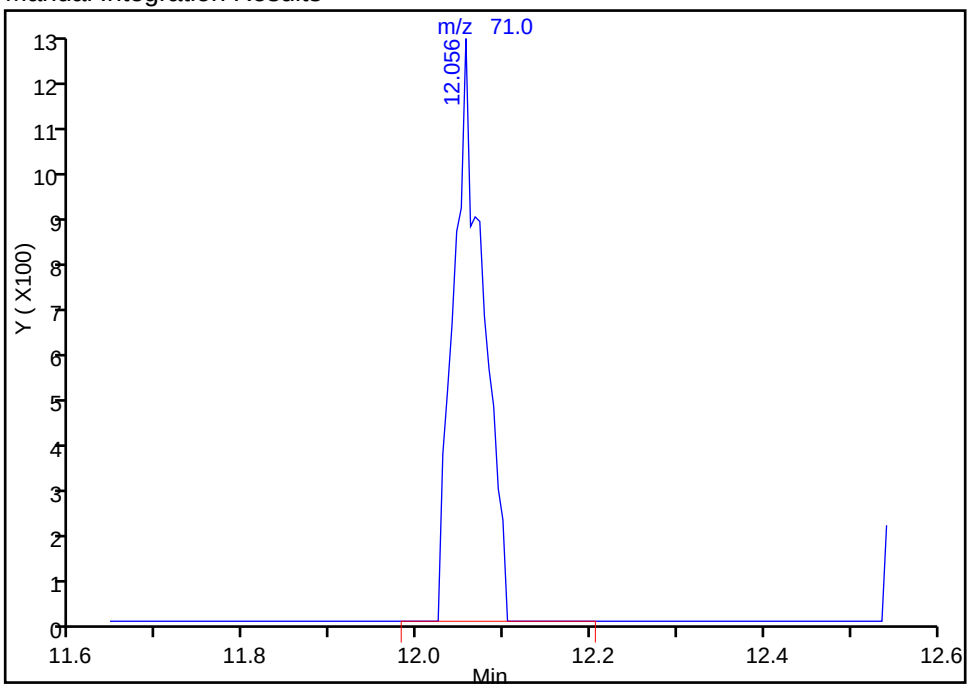
Processing Integration Results

RT: 12.06
Response: 1749
Amount: 0.236683



Manual Integration Results

RT: 12.06
Response: 3030
Amount: 0.236683



Reviewer: daiglep, 18-Jul-2014 11:21:17
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

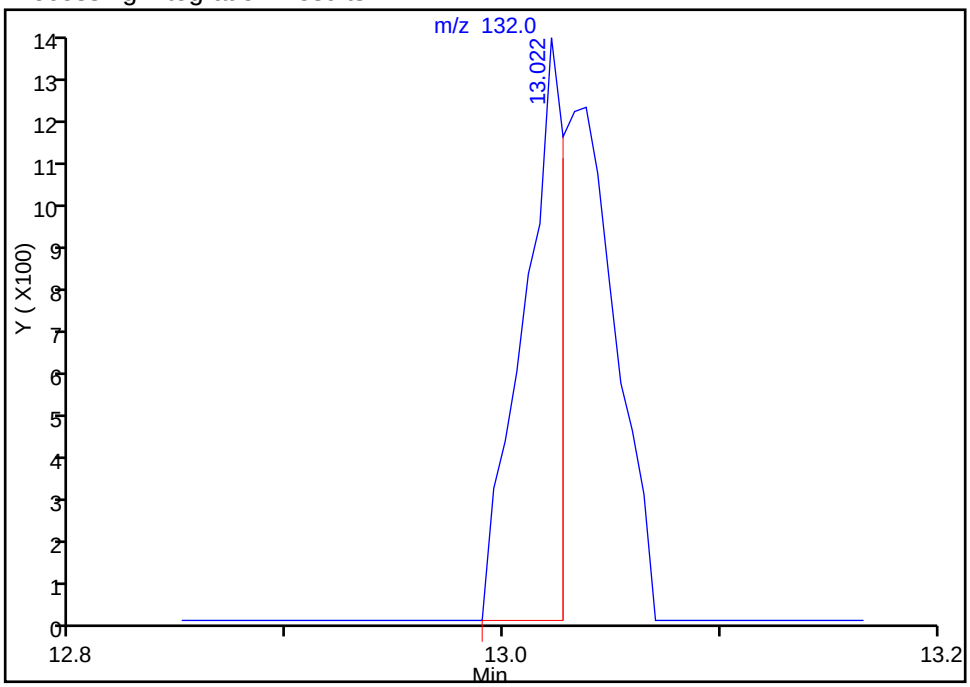
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\8605_004.D
Injection Date: 17-Jul-2014 13:48:30 Instrument ID: CHC.i
Lims ID: ic
Client ID:
Operator ID: wrd ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHC Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

56 Trichloroethene, CAS: 79-01-6

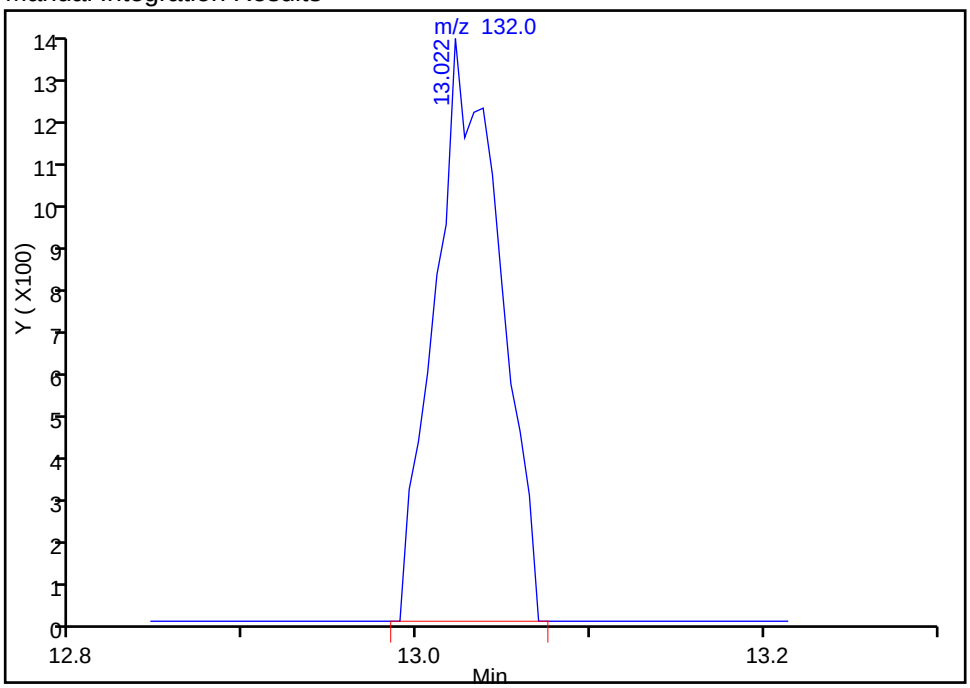
Processing Integration Results

RT: 13.02
Response: 1800
Amount: 0.215298



Manual Integration Results

RT: 13.02
Response: 3594
Amount: 0.215298



Reviewer: daiglep, 18-Jul-2014 11:21:17
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

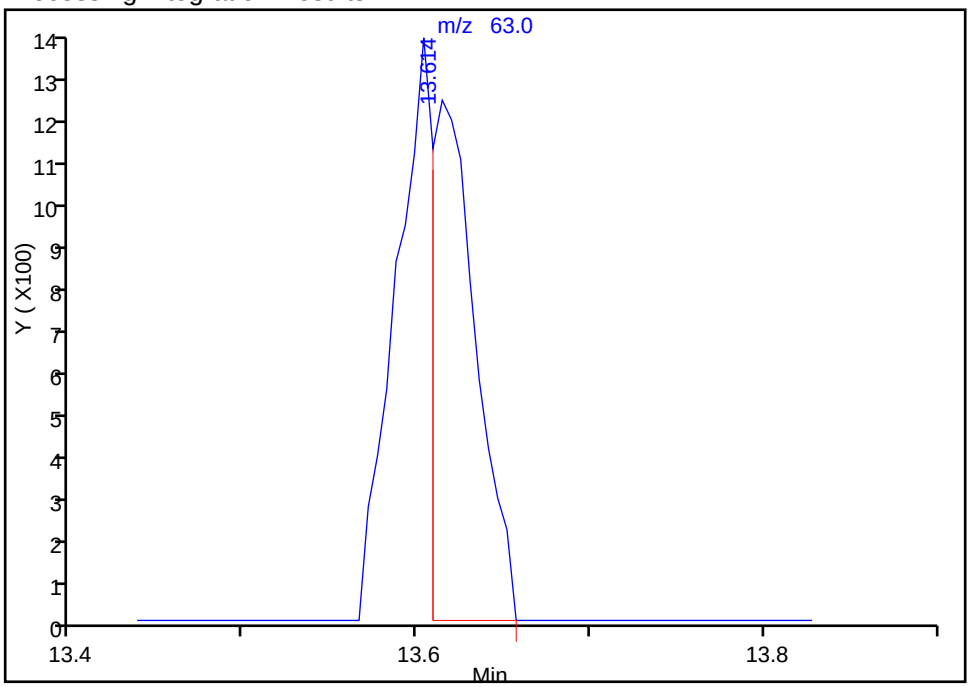
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\8605_004.D				
Injection Date:	17-Jul-2014 13:48:30	Instrument ID:	CHC.i		
Lims ID:	ic				
Client ID:					
Operator ID:	wrd	ALS Bottle#:	3	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

58 1,2-Dichloropropane, CAS: 78-87-5

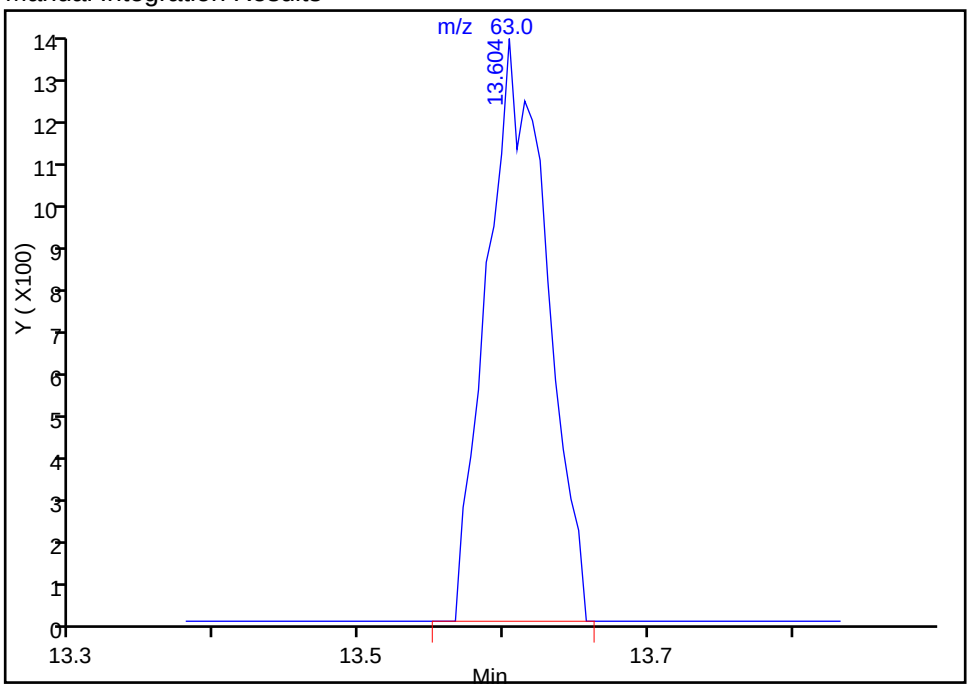
Processing Integration Results

RT: 13.61
Response: 2202
Amount: 0.124784



Manual Integration Results

RT: 13.60
Response: 3947
Amount: 0.213494



Reviewer: desjardinsb, 18-Jul-2014 08:08:47
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

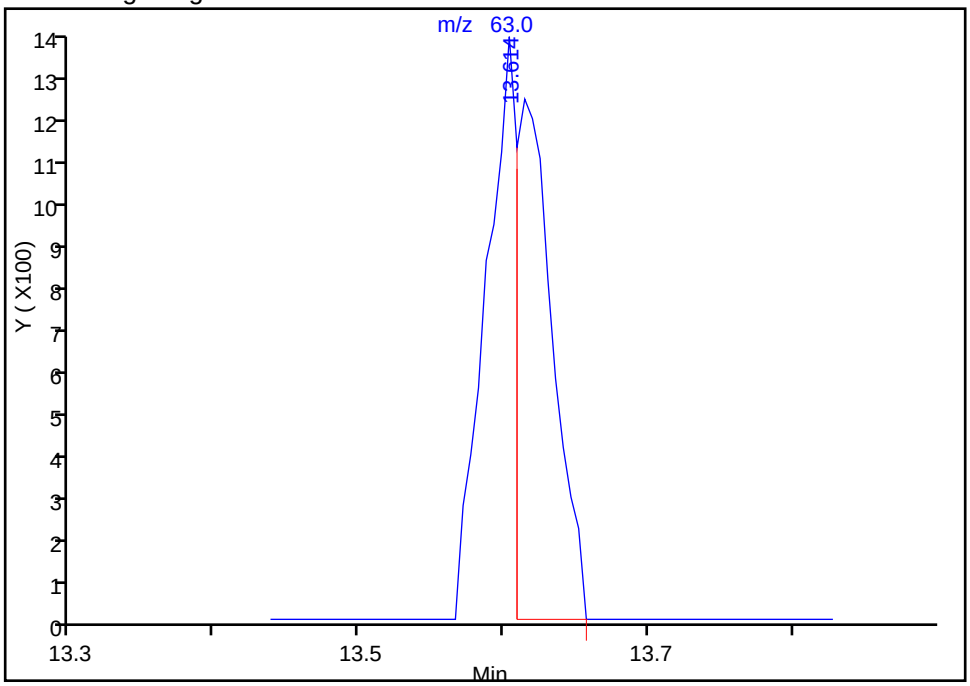
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\8605_004.D				
Injection Date:	17-Jul-2014 13:48:30	Instrument ID:	CHC.i		
Lims ID:	ic				
Client ID:					
Operator ID:	wrd	ALS Bottle#:	3	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

58 1,2-Dichloropropane, CAS: 78-87-5

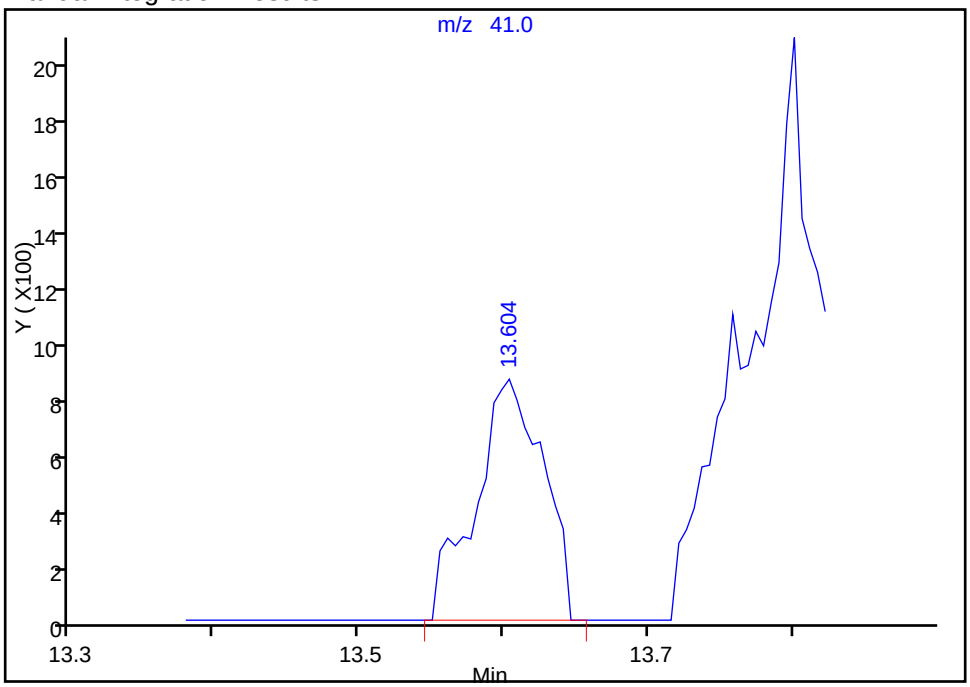
Processing Integration Results

RT: 13.61
Response: 0
Amount: 0.124784



Manual Integration Results

RT: 13.60
Response: 2777
Amount: 0.213494



Reviewer: desjardinsb, 18-Jul-2014 08:08:47
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\8605_004.D				
Injection Date:	17-Jul-2014 13:48:30	Instrument ID:	CHC.i		
Lims ID:	ic				
Client ID:					
Operator ID:	wrd	ALS Bottle#:	3	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

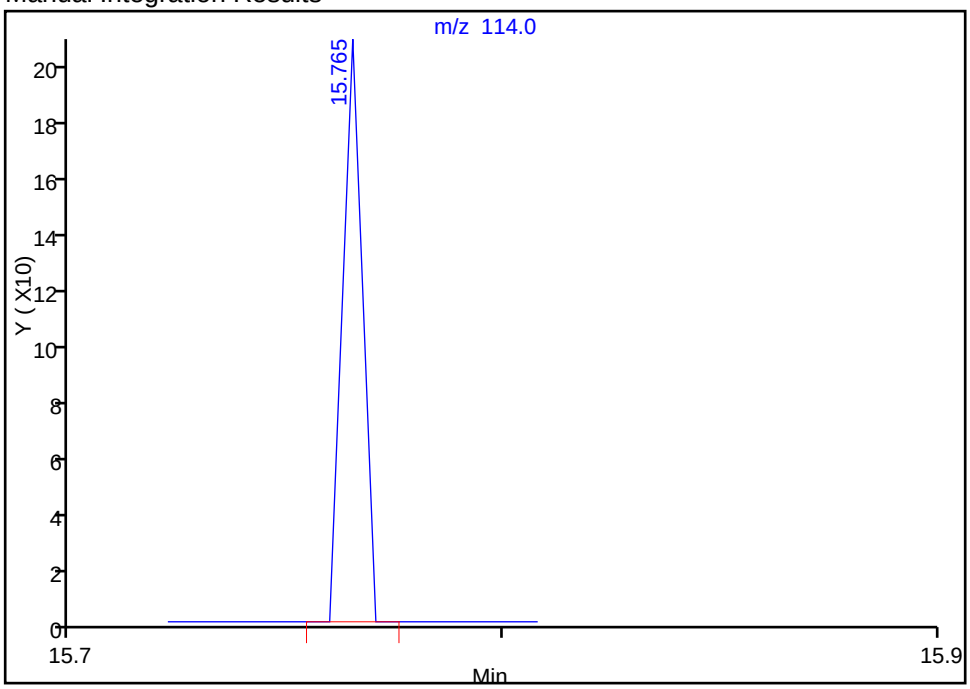
68 n-Octane, CAS: 111-65-9

Processing Integration Results

RT: 15.77
Response: 0
Amount: 0.224999

Manual Integration Results

RT: 15.77
Response: 67
Amount: 0.224999



Reviewer: daiglep, 18-Jul-2014 11:21:17
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

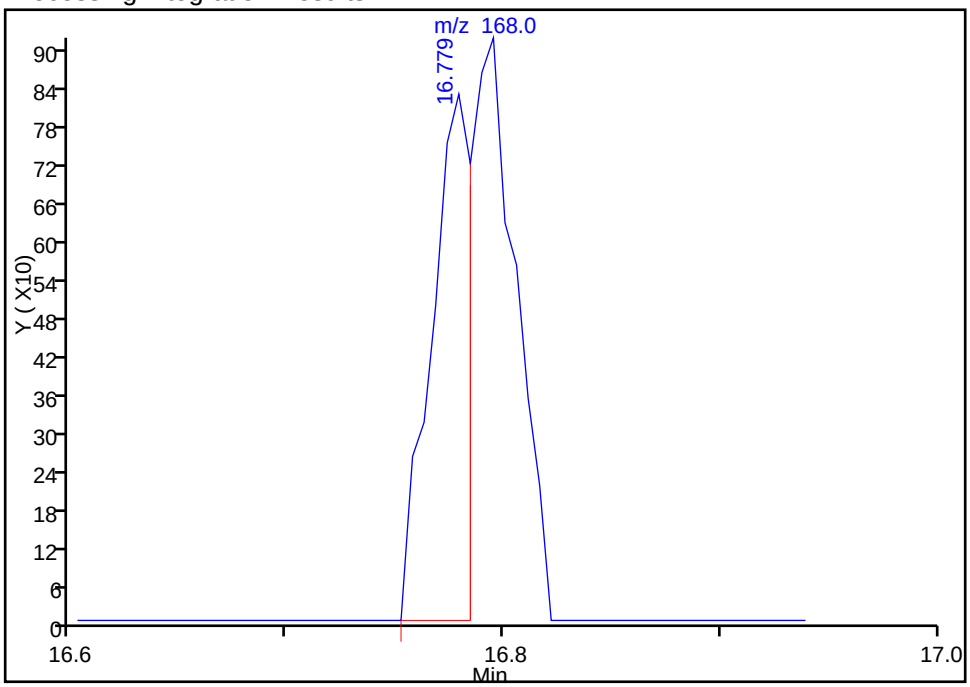
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\8605_004.D				
Injection Date:	17-Jul-2014 13:48:30	Instrument ID:	CHC.i		
Lims ID:	ic				
Client ID:					
Operator ID:	wrd	ALS Bottle#:	3	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

72 Tetrachloroethene, CAS: 127-18-4

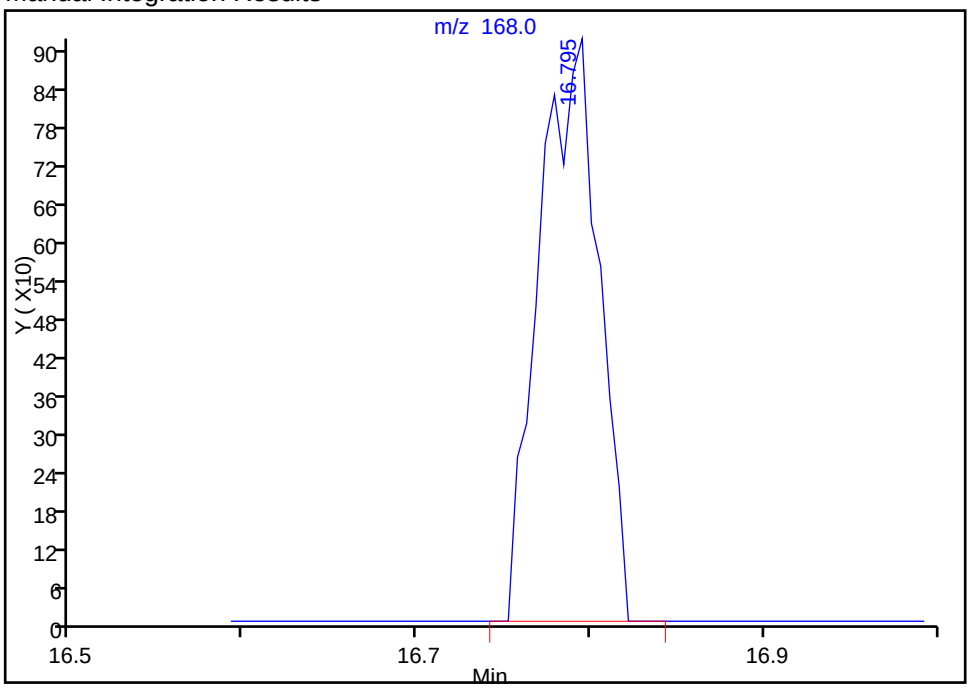
Processing Integration Results

RT: 16.78
Response: 1081
Amount: 0.204544



Manual Integration Results

RT: 16.80
Response: 2214
Amount: 0.204544



Reviewer: daiglep, 18-Jul-2014 11:21:17
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\8605_004.D				
Injection Date:	17-Jul-2014 13:48:30	Instrument ID:	CHC.i		
Lims ID:	ic				
Client ID:					
Operator ID:	wrd	ALS Bottle#:	3	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

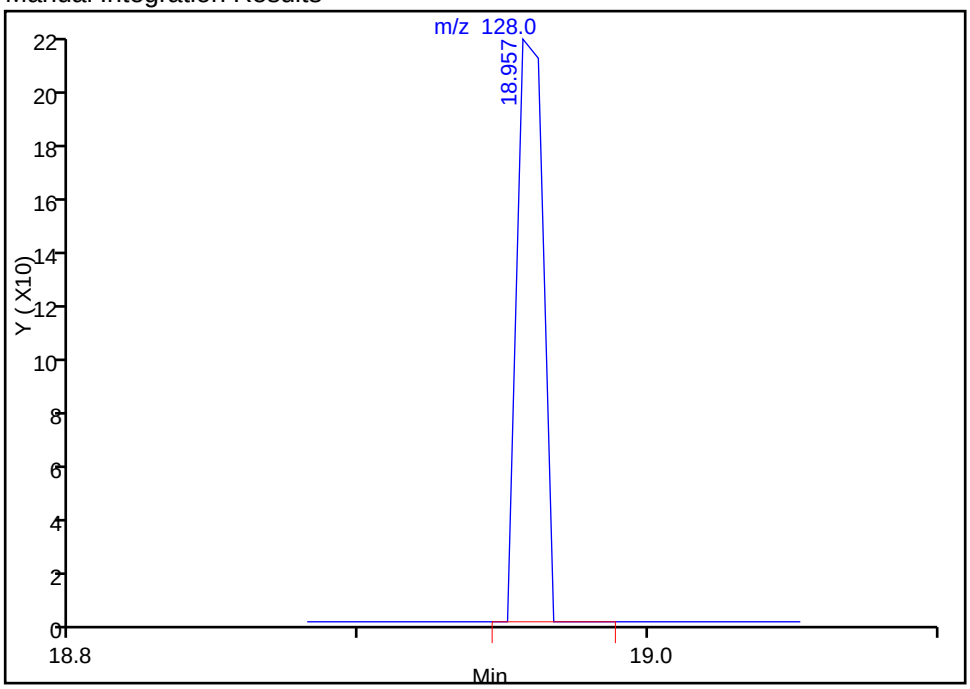
79 n-Nonane, CAS: 111-84-2

Processing Integration Results

RT: 18.96
Response: 0
Amount: 0.213867

Manual Integration Results

RT: 18.96
Response: 134
Amount: 0.213867



Reviewer: daiglep, 18-Jul-2014 11:21:17
Audit Action: Manually Integrated
Audit Reason: Peak not found by the data system

Manual Integration/User Assign Peak Report

TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\8605_004.D				
Injection Date:	17-Jul-2014 13:48:30	Instrument ID:	CHC.i		
Lims ID:	ic				
Client ID:					
Operator ID:	wrd	ALS Bottle#:	3	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

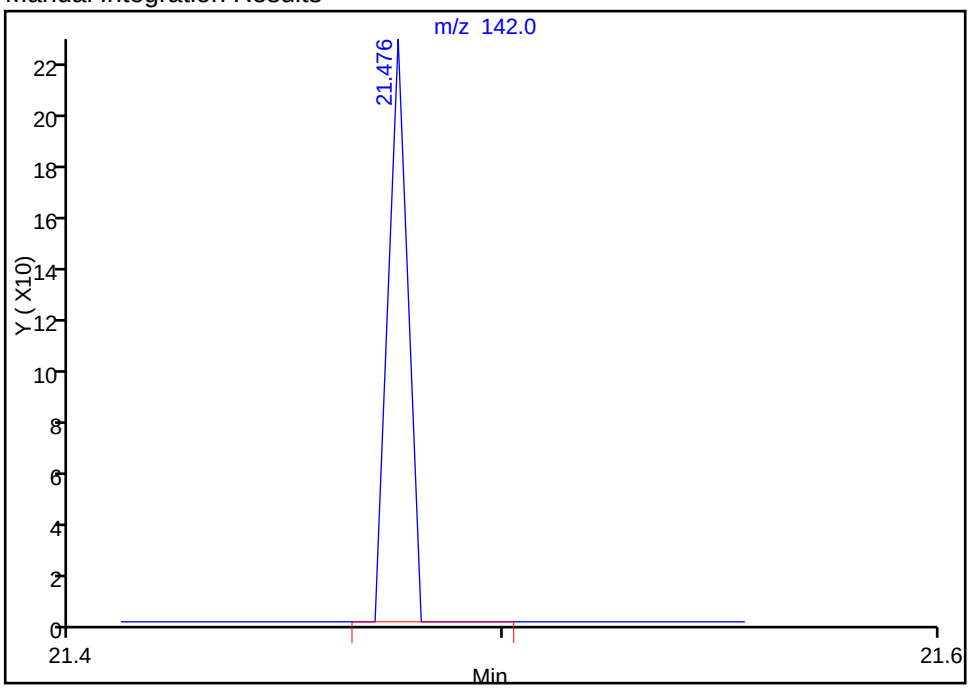
93 n-Decane, CAS: 124-18-5

Processing Integration Results

RT: 21.48
Response: 0
Amount: 0.241602

Manual Integration Results

RT: 21.48
Response: 72
Amount: 0.241602



Reviewer: daiglep, 18-Jul-2014 11:21:17
Audit Action: Manually Integrated
Audit Reason: Peak not found by the data system

Manual Integration/User Assign Peak Report

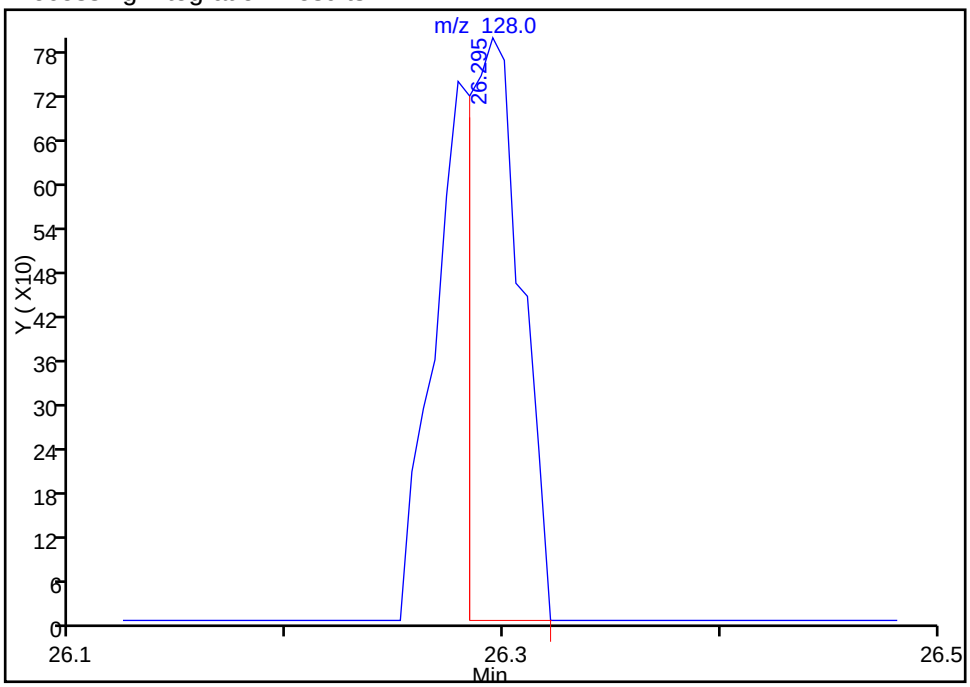
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\8605_004.D				
Injection Date:	17-Jul-2014 13:48:30	Instrument ID:	CHC.i		
Lims ID:	ic				
Client ID:					
Operator ID:	wrd	ALS Bottle#:	3	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

109 Naphthalene, CAS: 91-20-3

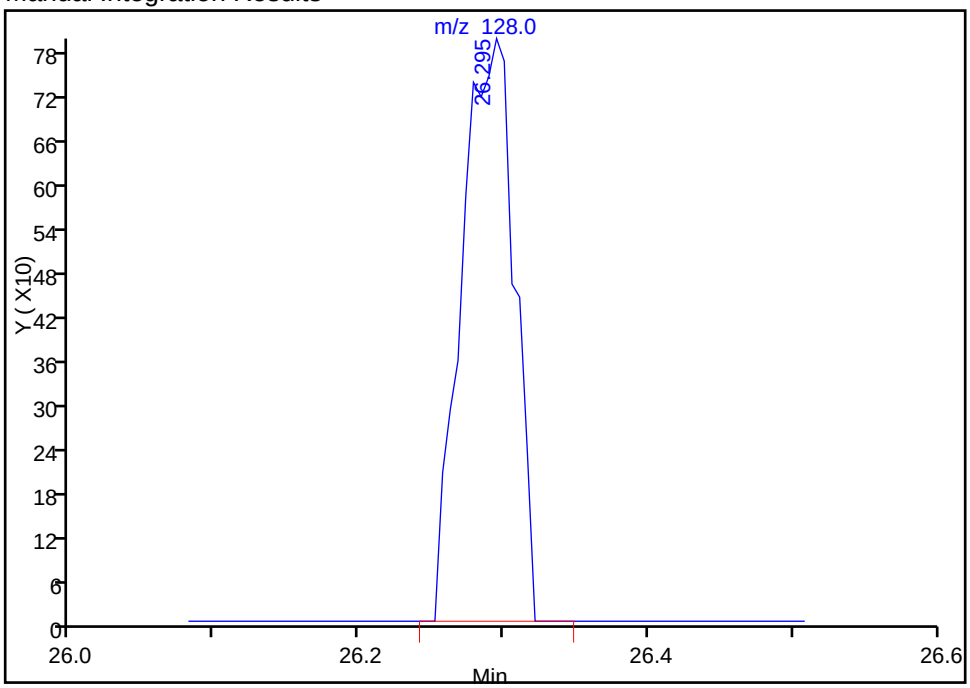
Processing Integration Results

RT: 26.29
Response: 1338
Amount: 0.023616



Manual Integration Results

RT: 26.29
Response: 2035
Amount: 0.036339



Reviewer: desjardinsb, 18-Jul-2014 08:08:47
Audit Action: Manually Integrated
Audit Reason: Baseline Event

Manual Integration/User Assign Peak Report

TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\8605_004.D				
Injection Date:	17-Jul-2014 13:48:30	Instrument ID:	CHC.i		
Lims ID:	ic				
Client ID:					
Operator ID:	wrd	ALS Bottle#:	3	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

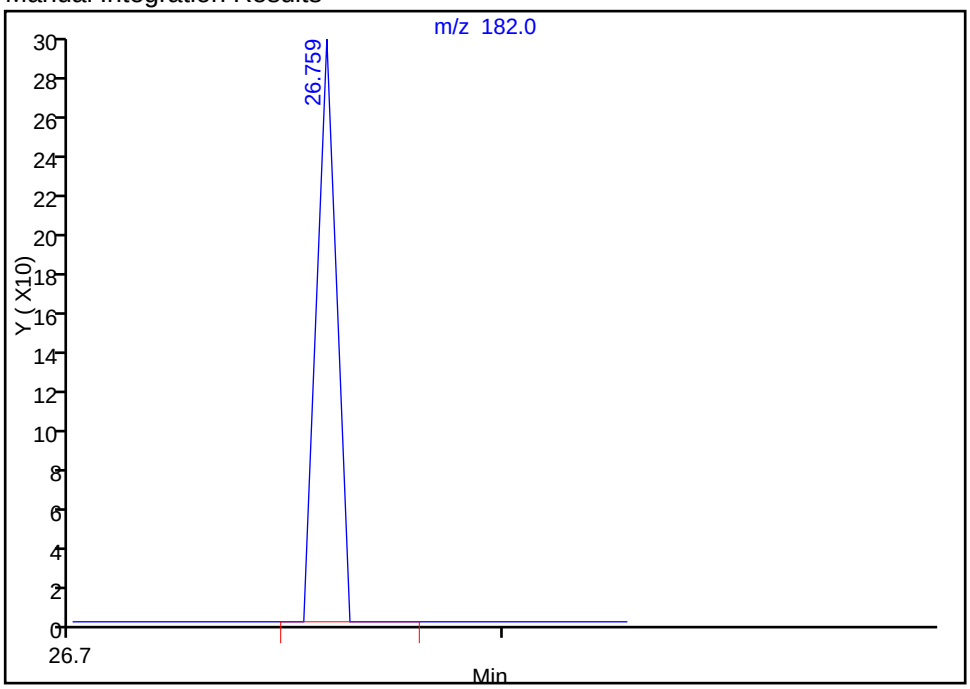
110 1,2,3-Trichlorobenzene, CAS: 87-61-6

Processing Integration Results

RT: 26.76
Response: 0
Amount: 0.016847

Manual Integration Results

RT: 26.76
Response: 95
Amount: 0.016847



Reviewer: daiglep, 18-Jul-2014 11:21:17
Audit Action: Manually Integrated
Audit Reason: Peak not found by the data system

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\8605_006.D
Lims ID: ic
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 17-Jul-2014 15:35:30 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0008605-006
Misc. Info.: ic-04
Operator ID: wrd Instrument ID: CHC.i
Sublist: chrom-TO15_LLNJ_TO3_CHC*sub2

Method: \\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\TO15_LLNJ_TO3_CHC.m
Limit Group: AI_TO15_ICAL
Last Update: 21-Jul-2014 11:27:42 Calib Date: 18-Jul-2014 09:36:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\8605_018.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK025

First Level Reviewer: desjardinsb Date: 18-Jul-2014 08:11:20

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	3.004	3.004	0.000	96	30992	4.99	5.69	
2 Dichlorodifluoromethane	85	3.079	3.074	0.005	99	159953	4.99	5.56	
6 Chlorodifluoromethane	51	3.133	3.132	0.000	96	76558	4.99	5.94	
7 1,2-Dichloro-1,1,2,2-tetra	85	3.351	3.351	0.000	94	128627	4.99	5.17	
8 Chloromethane	50	3.490	3.495	-0.005	99	38435	4.99	5.62	
9 Butane	43	3.698	3.698	0.000	96	62589	4.99	5.64	
10 Vinyl chloride	62	3.746	3.746	0.000	98	45691	4.99	5.45	
11 Butadiene	54	3.826	3.826	0.000	95	34551	4.99	5.49	
12 Bromomethane	94	4.536	4.536	0.000	98	42372	4.99	4.95	
13 Chloroethane	64	4.792	4.792	0.000	99	19074	4.99	5.22	
14 2-Methylbutane	43	4.862	4.862	0.000	89	36323	4.99	5.35	
15 Vinyl bromide	106	5.193	5.192	0.001	98	40826	4.99	4.85	
16 Trichlorofluoromethane	101	5.299	5.299	0.000	98	161446	4.99	5.25	
17 Pentane	43	5.449	5.449	0.000	94	64283	4.99	5.66	
19 Ethanol	45	5.950	5.945	0.005	98	23316	10.0	10.3	
21 Ethyl ether	59	6.004	6.004	0.000	94	27352	4.99	5.64	
22 Acrolein	56	6.409	6.409	0.000	98	11698	4.99	5.65	
23 1,1,2-Trichloro-1,2,2-trif	101	6.420	6.415	0.005	96	89441	4.99	5.20	
24 1,1-Dichloroethene	96	6.457	6.463	-0.006	97	41445	4.99	5.12	
25 Acetone	43	6.740	6.740	0.000	85	67956	4.99	6.07	
26 Carbon disulfide	76	6.842	6.842	0.000	100	111945	4.99	4.71	
27 Isopropyl alcohol	45	7.066	7.066	0.000	97	58078	4.99	6.51	
29 3-Chloro-1-propene	41	7.285	7.285	0.000	89	47136	4.99	5.54	
30 Acetonitrile	41	7.450	7.450	0.000	96	25346	4.99	5.86	
31 Methylene Chloride	49	7.594	7.589	0.005	92	44990	4.99	5.69	
32 2-Methyl-2-propanol	59	7.861	7.856	0.005	98	89788	4.99	6.10	
33 Methyl tert-butyl ether	73	8.010	8.005	0.005	96	126768	4.99	5.32	
34 trans-1,2-Dichloroethene	61	8.032	8.032	0.000	96	62537	4.99	5.57	
35 Acrylonitrile	53	8.224	8.219	0.006	95	25956	4.99	5.63	
36 Hexane	57	8.427	8.421	0.006	91	56569	4.99	5.49	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
37 1,1-Dichloroethane	63	8.934	8.934	0.000	100	84568	4.99	5.63	
38 Vinyl acetate	43	9.035	9.035	0.000	99	107639	4.99	5.76	
39 cis-1,2-Dichloroethene	96	10.081	10.076	0.005	95	55195	4.99	5.15	
40 2-Butanone (MEK)	72	10.151	10.156	-0.005	99	24921	4.99	5.05	
42 Ethyl acetate	88	10.193	10.193	0.000	99	3888	4.99	5.12	
S 41 1,2-Dichloroethene, Total	61				0		9.99	10.7	
* 43 Chlorobromomethane	128	10.556	10.551	0.005	91	92893	10.0	10.0	
44 Tetrahydrofuran	42	10.572	10.567	0.005	92	57226	4.99	6.09	
45 Chloroform	83	10.695	10.700	-0.005	99	136777	4.99	5.44	
46 Cyclohexane	84	10.914	10.914	0.000	93	74687	4.99	5.21	
47 1,1,1-Trichloroethane	97	10.956	10.962	-0.006	97	154742	4.99	5.19	
48 Carbon tetrachloride	117	11.207	11.207	0.000	100	163548	4.99	5.06	
51 Isooctane	57	11.656	11.655	0.001	99	315332	4.99	5.58	
50 Benzene	78	11.693	11.693	0.000	97	191581	4.99	5.27	
52 1,2-Dichloroethane	62	11.890	11.896	-0.006	98	110017	4.99	5.34	
53 n-Heptane	43	12.061	12.066	-0.005	93	124537	4.99	5.54	
* 54 1,4-Difluorobenzene	114	12.568	12.568	0.000	96	573668	10.0	10.0	
55 n-Butanol	56	13.022	13.011	0.011	88	44639	4.99	6.17	
56 Trichloroethene	95	13.032	13.032	0.000	95	104284	4.99	5.23	
A 57 GRO	1	13.171	(4.852-21.491)		0	25480806	4.99	0	
58 1,2-Dichloropropane	63	13.609	13.609	0.000	88	91216	4.99	5.05	
59 Methyl methacrylate	69	13.801	13.801	0.000	91	82542	4.99	4.99	
60 1,4-Dioxane	88	13.865	13.860	0.005	50	40572	4.99	6.03	
61 Dibromomethane	174	13.870	13.870	0.000	89	75215	4.99	4.70	
62 Dichlorobromomethane	83	14.180	14.180	0.000	100	194617	4.99	5.08	
A 63 TVOC as Toluene	1	14.884	(2.994-26.774)		0	46321450	4.99	1426.1	
64 cis-1,3-Dichloropropene	75	15.130	15.130	0.000	94	140237	4.99	5.06	
65 4-Methyl-2-pentanone (MIBK	43	15.439	15.434	0.005	97	188387	4.99	5.06	
A 67 Toluene Range	1	15.712	(15.672-15.752)		0	826640	NC	NC	
66 Toluene	92	15.712	15.712	0.000	94	162772	4.99	5.02	
68 n-Octane	43	15.770	15.770	0.000	93	211982	4.99	5.54	
A 69 C8 Range	1	15.813	(15.769-16.270)		0	883738	NC	NC	
70 trans-1,3-Dichloropropene	75	16.331	16.331	0.000	97	151426	4.99	4.75	
71 1,1,2-Trichloroethane	83	16.704	16.704	0.000	94	89848	4.99	5.16	
72 Tetrachloroethene	166	16.790	16.790	0.000	90	116564	4.99	4.68	
73 2-Hexanone	43	17.169	17.168	0.001	97	188057	4.99	5.16	
74 Chlorodibromomethane	129	17.462	17.462	0.000	98	182873	4.99	5.18	
75 Ethylene Dibromide	107	17.729	17.729	0.000	98	159498	4.99	5.10	
* 76 Chlorobenzene-d5	117	18.626	18.625	0.001	90	572258	10.0	10.0	
77 Chlorobenzene	112	18.684	18.684	0.000	90	210501	4.99	4.94	
78 Ethylbenzene	91	18.834	18.834	0.000	99	373145	4.99	5.17	
79 n-Nonane	57	18.956	18.956	0.000	91	202005	4.99	5.47	
81 m-Xylene & p-Xylene	106	19.085	19.090	-0.006	97	271228	9.99	10.1	
83 o-Xylene	106	19.922	19.928	-0.006	92	142910	4.99	5.11	
84 Styrene	104	19.981	19.981	0.000	92	208274	4.99	5.20	
S 82 Xylenes, Total	106				0		15.0	15.2	
85 Bromoform	173	20.397	20.397	0.000	93	163174	4.99	5.03	
86 Isopropylbenzene	105	20.600	20.595	0.005	97	403490	4.99	5.12	
$ 87 4-Bromofluorobenzene	95	20.963	20.963	0.000	80	461781	NC	NC	
88 1,1,2,2-Tetrachloroethane	83	21.251	21.251	0.000	97	235030	4.99	5.23	
90 N-Propylbenzene	91	21.310	21.310	0.000	98	520368	4.99	5.37	
89 1,2,3-Trichloropropane	75	21.342	21.347	-0.005	97	196960	4.99	5.34	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
93 n-Decane	57	21.481	21.481	0.000	89	255100	4.99	6.00	
91 4-Ethyltoluene	105	21.497	21.497	0.000	98	394705	4.99	5.35	
92 2-Chlorotoluene	91	21.502	21.507	-0.005	95	370199	4.99	5.38	
94 1,3,5-Trimethylbenzene	105	21.604	21.603	0.001	91	347063	4.99	5.13	
95 Alpha Methyl Styrene	118	21.966	21.966	0.000	86	164711	4.99	5.48	
96 tert-Butylbenzene	119	22.084	22.084	0.000	90	316476	4.99	5.09	
97 1,2,4-Trimethylbenzene	105	22.180	22.180	0.000	98	354705	4.99	5.27	
98 sec-Butylbenzene	105	22.404	22.409	-0.005	98	499569	4.99	5.36	
99 4-Isopropyltoluene	119	22.607	22.607	0.000	96	403114	4.99	5.31	
100 1,3-Dichlorobenzene	146	22.634	22.639	-0.005	92	211554	4.99	4.95	
101 1,4-Dichlorobenzene	146	22.772	22.772	0.000	91	217413	4.99	4.98	
102 Benzyl chloride	91	22.970	22.970	0.000	98	300738	4.99	5.04	
103 n-Butylbenzene	91	23.173	23.173	0.001	98	427028	4.99	5.76	
104 Undecane	57	23.194	23.194	0.000	95	291262	4.99	6.44	
105 1,2-Dichlorobenzene	146	23.301	23.301	0.000	92	208018	4.99	4.95	
106 Dodecane	57	24.774	24.779	-0.005	96	160828	4.99	4.59	
107 1,2,4-Trichlorobenzene	180	25.798	25.798	0.000	93	110095	4.99	4.40	
108 Hexachlorobutadiene	225	25.980	25.985	-0.005	90	136745	4.99	4.97	
109 Naphthalene	128	26.289	26.289	0.000	99	273749	4.99	4.88	
110 1,2,3-Trichlorobenzene	180	26.764	26.764	0.000	94	83282	4.99	4.70	

QC Flag Legend

Processing Flags
NC - Not Calibrated

Reagents:

ATTO15CAL3w_00130	Amount Added: 200.00	Units: mL	
ATTO15CISs_00006	Amount Added: 20.00	Units: mL	Run Reagent

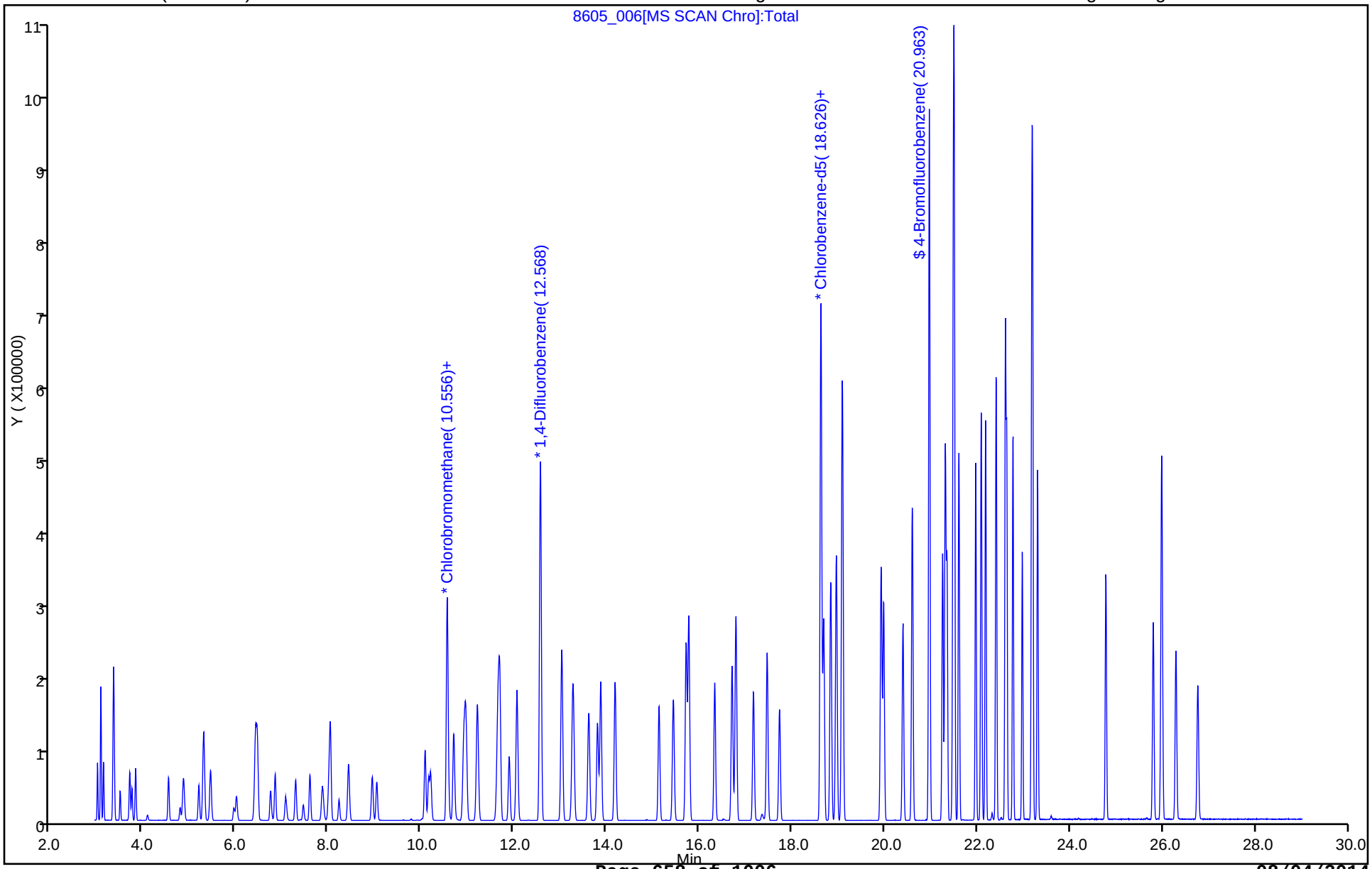
Report Date: 21-Jul-2014 11:27:43 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\8605_006.D

Injection Date:	17-Jul-2014 15:35:30	Instrument ID:	CHC.i	Operator ID:	wrd
Lims ID:	ic			Worklist Smp#:	6
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	5
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



TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\8605_007.D
Lims ID: icis
Client ID:
Sample Type: ICIS Calib Level: 5
Inject. Date: 17-Jul-2014 16:28:30 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0008605-007
Misc. Info.: icis-05
Operator ID: wrd Instrument ID: CHC.i
Sublist: chrom-TO15_LLNJ_TO3_CHC*sub2

Method: \\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\TO15_LLNJ_TO3_CHC.m
Limit Group: AI_TO15_ICAL
Last Update: 21-Jul-2014 11:26:23 Calib Date: 18-Jul-2014 09:36:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\8605_018.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK025

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	3.004	3.004	0.000	96	60115	10.0	10.5	
2 Dichlorodifluoromethane	85	3.074	3.074	0.000	88	326247	10.0	10.7	
6 Chlorodifluoromethane	51	3.132	3.132	0.000	75	150980	10.0	11.1	
7 1,2-Dichloro-1,1,2,2-tetra	85	3.351	3.351	0.000	90	270564	10.0	10.3	
8 Chloromethane	50	3.495	3.495	0.000	88	78048	10.0	10.8	
9 Butane	43	3.698	3.698	0.000	96	126534	10.0	10.8	
10 Vinyl chloride	62	3.746	3.746	0.000	82	94004	10.0	10.6	
11 Butadiene	54	3.826	3.826	0.000	93	71198	10.0	10.7	
12 Bromomethane	94	4.536	4.536	0.000	95	88159	10.0	9.76	
13 Chloroethane	64	4.792	4.792	0.000	93	39390	10.0	10.2	
14 2-Methylbutane	43	4.862	4.862	0.000	87	71899	10.0	10.0	
15 Vinyl bromide	106	5.192	5.192	0.000	89	85055	10.0	9.57	
16 Trichlorofluoromethane	101	5.299	5.299	0.000	99	330137	10.0	10.2	
17 Pentane	43	5.449	5.449	0.000	94	128405	10.0	10.7	
19 Ethanol	45	5.945	5.945	0.000	78	37157	15.0	15.6	
21 Ethyl ether	59	6.004	6.004	0.000	77	55494	10.0	10.8	
22 Acrolein	56	6.409	6.409	0.000	38	23206	10.0	10.6	
23 1,1,2-Trichloro-1,2,2-trif	101	6.415	6.415	0.000	96	182610	10.0	10.1	
24 1,1-Dichloroethene	96	6.463	6.463	0.000	99	86260	10.0	10.1	
25 Acetone	43	6.740	6.740	0.000	77	131551	10.0	11.1	
26 Carbon disulfide	76	6.842	6.842	0.000	99	231001	10.0	9.21	
27 Isopropyl alcohol	45	7.066	7.066	0.000	97	106622	10.0	11.3	
29 3-Chloro-1-propene	41	7.285	7.285	0.000	86	94689	10.0	10.5	
30 Acetonitrile	41	7.450	7.450	0.000	98	51196	10.0	11.2	
31 Methylene Chloride	49	7.589	7.589	0.000	87	88449	10.0	10.6	
32 2-Methyl-2-propanol	59	7.856	7.856	0.000	98	170690	10.0	11.0	
33 Methyl tert-butyl ether	73	8.005	8.005	0.000	95	257715	10.0	10.2	
34 trans-1,2-Dichloroethene	61	8.032	8.032	0.000	95	121595	10.0	10.3	
35 Acrylonitrile	53	8.219	8.219	0.000	93	53193	10.0	10.9	
36 Hexane	57	8.421	8.421	0.000	91	112843	10.0	10.4	
37 1,1-Dichloroethane	63	8.934	8.934	0.000	100	167490	10.0	10.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
38 Vinyl acetate	43	9.035	9.035	0.000	99	217178	10.0	11.0	
39 cis-1,2-Dichloroethene	96	10.076	10.076	0.000	95	112894	10.0	9.98	
40 2-Butanone (MEK)	72	10.156	10.156	0.000	99	50774	10.0	9.75	
42 Ethyl acetate	88	10.193	10.193	0.000	96	8499	10.0	10.6	
S 41 1,2-Dichloroethene, Total	61				0		20.0	20.2	
* 43 Chlorobromomethane	128	10.551	10.551	0.000	90	98016	10.0	10.0	
44 Tetrahydrofuran	42	10.567	10.567	0.000	91	111223	10.0	11.0	
45 Chloroform	83	10.700	10.700	0.000	98	280489	10.0	10.6	
46 Cyclohexane	84	10.914	10.914	0.000	91	155179	10.0	10.0	
47 1,1,1-Trichloroethane	97	10.962	10.962	0.000	90	320128	10.0	9.95	
48 Carbon tetrachloride	117	11.207	11.207	0.000	99	343948	10.0	9.86	
51 Isooctane	57	11.655	11.655	0.000	98	645621	10.0	10.6	
50 Benzene	78	11.693	11.693	0.000	97	392655	10.0	10.0	
52 1,2-Dichloroethane	62	11.896	11.896	0.000	99	231129	10.0	10.4	
53 n-Heptane	43	12.066	12.066	0.000	93	263232	10.0	10.9	
* 54 1,4-Difluorobenzene	114	12.568	12.568	0.000	96	618468	10.0	10.0	
55 n-Butanol	56	13.011	13.011	0.000	63	85009	10.0	10.9	
56 Trichloroethene	95	13.032	13.032	0.000	94	216994	10.0	10.1	
A 57 GRO	1	13.171	(4.852-21.491)		0	53225810	10.0	0	
58 1,2-Dichloropropane	63	13.609	13.609	0.000	89	196282	10.0	10.1	
59 Methyl methacrylate	69	13.801	13.801	0.000	90	182354	10.0	10.2	
60 1,4-Dioxane	88	13.860	13.860	0.000	43	79940	10.0	11.0	
61 Dibromomethane	174	13.870	13.870	0.000	89	163903	10.0	9.49	
62 Dichlorobromomethane	83	14.180	14.180	0.000	99	416424	10.0	10.1	
A 63 TVOC as Toluene	1	14.884	(2.994-26.774)		0	98793931	10.0	2821.2	
64 cis-1,3-Dichloropropene	75	15.130	15.130	0.000	94	299602	10.0	10.0	
65 4-Methyl-2-pentanone (MIBK	43	15.434	15.434	0.000	96	398074	10.0	9.91	
66 Toluene	92	15.712	15.712	0.000	91	342167	10.0	9.80	
A 67 Toluene Range	1	15.712	(15.672-15.752)		0	1365606	NC	NC	
68 n-Octane	43	15.770	15.770	0.000	93	423343	10.0	10.3	
A 69 C8 Range	1	16.010	(15.769-16.270)		0	1701073	NC	NC	
70 trans-1,3-Dichloropropene	75	16.331	16.331	0.000	96	322962	10.0	9.39	
71 1,1,2-Trichloroethane	83	16.704	16.704	0.000	90	191633	10.0	10.2	
72 Tetrachloroethene	166	16.790	16.790	0.000	85	255296	10.0	9.52	
73 2-Hexanone	43	17.168	17.168	0.000	96	391828	10.0	9.97	
74 Chlorodibromomethane	129	17.462	17.462	0.000	97	398031	10.0	10.5	
75 Ethylene Dibromide	107	17.729	17.729	0.000	98	340609	10.0	10.1	
* 76 Chlorobenzene-d5	117	18.625	18.625	0.000	71	616343	10.0	10.0	
77 Chlorobenzene	112	18.684	18.684	0.000	82	446276	10.0	9.72	
78 Ethylbenzene	91	18.834	18.834	0.000	98	774449	10.0	9.95	
79 n-Nonane	57	18.956	18.956	0.000	89	414560	10.0	10.4	
81 m-Xylene & p-Xylene	106	19.090	19.090	0.000	98	570160	20.0	19.7	
83 o-Xylene	106	19.928	19.928	0.000	90	301955	10.0	10.0	
84 Styrene	104	19.981	19.981	0.000	91	448906	10.0	10.4	
S 82 Xylenes, Total	106				0		30.0	29.7	
85 Bromoform	173	20.397	20.397	0.000	93	366701	10.0	10.5	
86 Isopropylbenzene	105	20.595	20.595	0.000	98	860784	10.0	10.1	
$ 87 4-Bromofluorobenzene	95	20.963	20.963	0.000	81	512543	NC	NC	
88 1,1,2,2-Tetrachloroethane	83	21.251	21.251	0.000	93	514751	10.0	10.6	
90 N-Propylbenzene	91	21.310	21.310	0.000	98	1098357	10.0	10.5	
89 1,2,3-Trichloropropane	75	21.347	21.347	0.000	91	423861	10.0	10.7	
93 n-Decane	57	21.481	21.481	0.000	88	523783	10.0	11.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
91 4-Ethyltoluene	105	21.497	21.497	0.000	88	819276	10.0	10.3	
92 2-Chlorotoluene	91	21.507	21.507	0.000	96	754900	10.0	10.2	
94 1,3,5-Trimethylbenzene	105	21.603	21.603	0.000	91	745029	10.0	10.2	
95 Alpha Methyl Styrene	118	21.966	21.966	0.000	84	364627	10.0	11.3	
96 tert-Butylbenzene	119	22.084	22.084	0.000	86	670172	10.0	10.0	
97 1,2,4-Trimethylbenzene	105	22.180	22.180	0.000	98	746843	10.0	10.3	
98 sec-Butylbenzene	105	22.409	22.409	0.000	97	1030515	10.0	10.3	
99 4-Isopropyltoluene	119	22.607	22.607	0.000	86	835076	10.0	10.2	
100 1,3-Dichlorobenzene	146	22.639	22.639	0.000	91	453260	10.0	9.85	
101 1,4-Dichlorobenzene	146	22.772	22.772	0.000	91	473569	10.0	10.1	
102 Benzyl chloride	91	22.970	22.970	0.000	97	651678	10.0	10.1	
103 n-Butylbenzene	91	23.173	23.173	0.000	99	861750	10.0	10.8	
104 Undecane	57	23.194	23.194	0.000	94	580927	10.0	11.9	
105 1,2-Dichlorobenzene	146	23.301	23.301	0.000	92	447603	10.0	9.89	
106 Dodecane	57	24.779	24.779	0.000	95	447896	10.0	11.9	
107 1,2,4-Trichlorobenzene	180	25.798	25.798	0.000	94	296233	10.0	11.0	
108 Hexachlorobutadiene	225	25.985	25.985	0.000	87	309134	10.0	10.4	
109 Naphthalene	128	26.289	26.289	0.000	99	723129	10.0	12.0	
110 1,2,3-Trichlorobenzene	180	26.764	26.764	0.000	95	245023	10.0	12.8	

QC Flag Legend

Processing Flags
NC - Not Calibrated

Reagents:

ATTO15CAL4w_00370	Amount Added: 200.00	Units: mL	
ATTO15CISs_00006	Amount Added: 20.00	Units: mL	Run Reagent

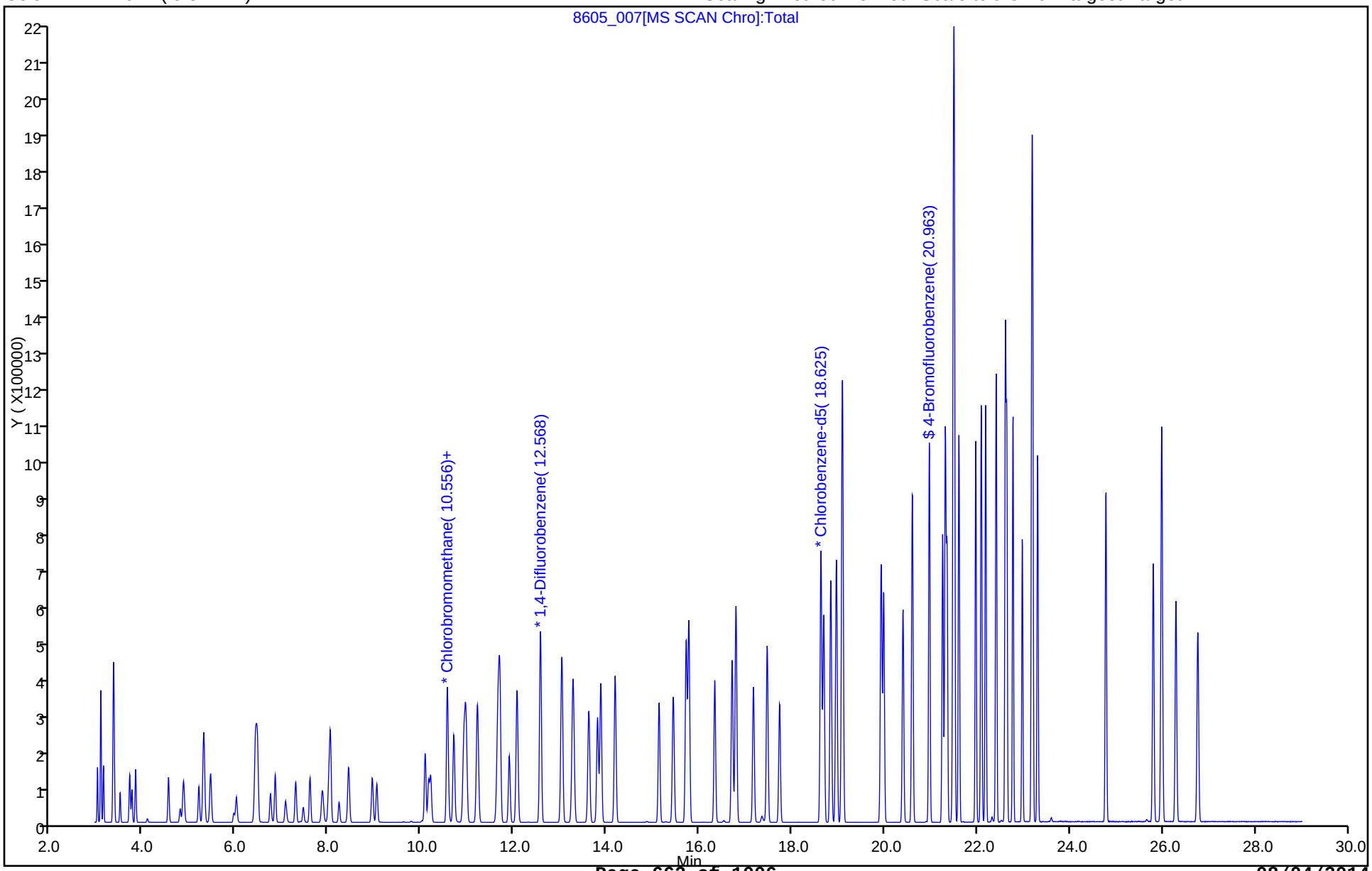
Report Date: 21-Jul-2014 11:26:23 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\8605_007.D

Injection Date:	17-Jul-2014 16:28:30	Instrument ID:	CHC.i	Operator ID:	wrd
Lims ID:	icis			Worklist Smp#:	7
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	6
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



TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\8605_008.D
Lims ID: ic
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 17-Jul-2014 17:21:30 ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0008605-008
Misc. Info.: ic-06
Operator ID: wrd Instrument ID: CHC.i
Sublist: chrom-TO15_LLNJ_TO3_CHC*sub2

Method: \\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\TO15_LLNJ_TO3_CHC.m
Limit Group: AI_TO15_ICAL
Last Update: 21-Jul-2014 11:27:44 Calib Date: 18-Jul-2014 09:36:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\8605_018.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK025

First Level Reviewer: desjardinsb Date: 18-Jul-2014 08:12:16

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	3.005	3.004	0.001	97	91147	15.0	14.5	
2 Dichlorodifluoromethane	85	3.074	3.074	0.000	88	499706	15.0	15.1	
6 Chlorodifluoromethane	51	3.133	3.132	0.001	64	222618	15.0	15.0	
7 1,2-Dichloro-1,1,2,2-tetra	85	3.351	3.351	0.000	89	422562	15.0	14.8	
8 Chloromethane	50	3.490	3.495	-0.005	88	117463	15.0	14.9	
9 Butane	43	3.698	3.698	0.000	96	186411	15.0	14.6	
10 Vinyl chloride	62	3.746	3.746	0.000	97	145276	15.0	15.1	
11 Butadiene	54	3.826	3.826	0.000	92	110418	15.0	15.3	
12 Bromomethane	94	4.536	4.536	0.000	97	145088	15.0	14.7	
13 Chloroethane	64	4.787	4.792	-0.005	99	62823	15.0	14.9	
14 2-Methylbutane	43	4.862	4.862	0.000	86	111096	15.0	14.2	
15 Vinyl bromide	106	5.193	5.192	0.001	94	135872	15.0	14.0	
16 Trichlorofluoromethane	101	5.299	5.299	0.000	98	515695	15.0	14.6	
17 Pentane	43	5.449	5.449	0.000	95	192463	15.0	14.7	
19 Ethanol	45	5.950	5.945	0.005	81	38688	20.0	14.9	
21 Ethyl ether	59	6.004	6.004	0.000	84	85691	15.0	15.4	
22 Acrolein	56	6.404	6.409	-0.005	42	35938	15.0	15.1	
23 1,1,2-Trichloro-1,2,2-trif	101	6.425	6.415	0.010	96	289442	15.0	14.6	
24 1,1-Dichloroethene	96	6.463	6.463	0.000	99	137122	15.0	14.7	
25 Acetone	43	6.735	6.740	-0.005	77	194361	15.0	15.1	
26 Carbon disulfide	76	6.842	6.842	0.000	99	355858	15.0	13.0	
27 Isopropyl alcohol	45	7.061	7.066	-0.005	97	144685	15.0	14.1	
29 3-Chloro-1-propene	41	7.285	7.285	0.000	84	141498	15.0	14.4	
30 Acetonitrile	41	7.445	7.450	-0.005	97	75423	15.0	15.1	
31 Methylene Chloride	49	7.589	7.589	0.000	89	132301	15.0	14.5	
32 2-Methyl-2-propanol	59	7.861	7.856	0.005	59	253281	15.0	14.9	
33 Methyl tert-butyl ether	73	8.005	8.005	0.000	95	403723	15.0	14.7	
34 trans-1,2-Dichloroethene	61	8.037	8.032	0.005	84	186596	15.0	14.4	
35 Acrylonitrile	53	8.219	8.219	0.001	93	80822	15.0	15.2	
36 Hexane	57	8.421	8.421	0.000	91	171300	15.0	14.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
37 1,1-Dichloroethane	63	8.939	8.934	0.005	100	256212	15.0	14.8	
38 Vinyl acetate	43	9.035	9.035	0.000	99	325295	15.0	15.1	
39 cis-1,2-Dichloroethene	96	10.076	10.076	0.000	97	180094	15.0	14.6	
40 2-Butanone (MEK)	72	10.151	10.156	-0.005	97	78901	15.0	13.9	
42 Ethyl acetate	88	10.193	10.193	0.000	94	13221	15.0	15.1	
S 41 1,2-Dichloroethene, Total	61				0		30.0	29.0	
* 43 Chlorobromomethane	128	10.556	10.551	0.005	83	106898	10.0	10.0	
44 Tetrahydrofuran	42	10.567	10.567	0.000	87	159958	15.0	14.8	
45 Chloroform	83	10.700	10.700	0.000	99	429524	15.0	14.8	
46 Cyclohexane	84	10.919	10.914	0.005	90	237310	15.0	14.3	
47 1,1,1-Trichloroethane	97	10.962	10.962	0.000	94	498255	15.0	14.5	
48 Carbon tetrachloride	117	11.207	11.207	0.000	99	544164	15.0	14.6	
51 Isooctane	57	11.656	11.655	0.001	98	931526	15.0	14.3	
50 Benzene	78	11.693	11.693	0.000	97	584280	15.0	13.9	
52 1,2-Dichloroethane	62	11.896	11.896	0.000	98	352759	15.0	14.8	
53 n-Heptane	43	12.067	12.066	0.001	92	377531	15.0	14.6	
* 54 1,4-Difluorobenzene	114	12.568	12.568	0.000	96	662299	10.0	10.0	
55 n-Butanol	56	13.011	13.011	0.000	59	120196	15.0	14.4	
56 Trichloroethene	95	13.033	13.032	0.001	95	350268	15.0	15.2	
A 57 GRO	1	13.171	(4.852-21.491)		0	84266447	15.0	0	
58 1,2-Dichloropropane	63	13.614	13.609	0.005	90	317677	15.0	15.2	
59 Methyl methacrylate	69	13.801	13.801	0.000	88	301873	15.0	15.8	
60 1,4-Dioxane	88	13.854	13.860	-0.006	47	113053	15.0	14.6	
61 Dibromomethane	174	13.876	13.870	0.006	91	276631	15.0	15.0	
62 Dichlorobromomethane	83	14.180	14.180	0.000	99	685207	15.0	15.5	
A 63 TVOC as Toluene	1	14.884	(2.994-26.774)		0	154773615	15.0	4127.3	
64 cis-1,3-Dichloropropene	75	15.130	15.130	0.000	93	497132	15.0	15.5	
65 4-Methyl-2-pentanone (MIBK	43	15.434	15.434	0.000	96	629407	15.0	14.6	
A 67 Toluene Range	1	15.712	(15.672-15.752)		0	2367213	NC	NC	
66 Toluene	92	15.717	15.712	0.005	93	556298	15.0	14.3	
68 n-Octane	43	15.770	15.770	0.000	92	656562	15.0	14.9	
A 69 C8 Range	1	15.787	(15.769-16.270)		0	2548184	NC	NC	
70 trans-1,3-Dichloropropene	75	16.331	16.331	0.000	96	530383	15.0	14.4	
71 1,1,2-Trichloroethane	83	16.704	16.704	0.000	83	312904	15.0	15.0	
72 Tetrachloroethene	166	16.790	16.790	0.000	86	423726	15.0	14.2	
73 2-Hexanone	43	17.169	17.168	0.001	95	616281	15.0	14.1	
74 Chlorodibromomethane	129	17.468	17.462	0.006	97	653644	15.0	15.4	
75 Ethylene Dibromide	107	17.734	17.729	0.005	98	556270	15.0	14.8	
* 76 Chlorobenzene-d5	117	18.626	18.625	0.001	62	686330	10.0	10.0	
77 Chlorobenzene	112	18.684	18.684	0.000	90	738341	15.0	14.4	
78 Ethylbenzene	91	18.839	18.834	0.005	98	1249703	15.0	14.4	
79 n-Nonane	57	18.957	18.956	0.001	89	645696	15.0	14.6	
81 m-Xylene & p-Xylene	106	19.090	19.090	0.000	99	912803	30.0	28.3	
83 o-Xylene	106	19.923	19.928	-0.006	93	489869	15.0	14.6	
84 Styrene	104	19.981	19.981	0.000	92	735141	15.0	15.3	
S 82 Xylenes, Total	106				0		45.0	42.9	
85 Bromoform	173	20.397	20.397	0.000	94	612785	15.0	15.8	
86 Isopropylbenzene	105	20.595	20.595	0.000	97	1365876	15.0	14.4	
$ 87 4-Bromofluorobenzene	95	20.963	20.963	0.000	82	556878	NC	NC	
88 1,1,2,2-Tetrachloroethane	83	21.251	21.251	0.000	95	791369	15.0	14.7	
90 N-Propylbenzene	91	21.310	21.310	0.000	98	1670270	15.0	14.4	
89 1,2,3-Trichloropropane	75	21.347	21.347	0.000	90	660241	15.0	14.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
93 n-Decane	57	21.476	21.481	-0.005	88	733858	15.0	14.4	
91 4-Ethyltoluene	105	21.497	21.497	0.000	88	1234215	15.0	13.9	
92 2-Chlorotoluene	91	21.508	21.507	0.001	96	1136109	15.0	13.8	
94 1,3,5-Trimethylbenzene	105	21.604	21.603	0.001	92	1179243	15.0	14.5	
95 Alpha Methyl Styrene	118	21.967	21.966	0.001	85	589939	15.0	16.4	
96 tert-Butylbenzene	119	22.089	22.084	0.005	91	1070850	15.0	14.4	
97 1,2,4-Trimethylbenzene	105	22.180	22.180	0.000	98	1168196	15.0	14.5	
98 sec-Butylbenzene	105	22.410	22.409	0.001	96	1586047	15.0	14.2	
99 4-Isopropyltoluene	119	22.607	22.607	0.000	93	1314396	15.0	14.4	
100 1,3-Dichlorobenzene	146	22.639	22.639	0.000	92	735538	15.0	14.4	
101 1,4-Dichlorobenzene	146	22.772	22.772	0.000	91	764797	15.0	14.6	
102 Benzyl chloride	91	22.970	22.970	0.000	98	1032590	15.0	14.4	
103 n-Butylbenzene	91	23.178	23.173	0.006	99	1296455	15.0	14.6	
104 Undecane	57	23.199	23.194	0.005	93	827381	15.0	15.3	
105 1,2-Dichlorobenzene	146	23.306	23.301	0.005	93	740274	15.0	14.7	
106 Dodecane	57	24.779	24.779	0.000	94	682397	15.0	16.3	
107 1,2,4-Trichlorobenzene	180	25.804	25.798	0.006	93	478893	15.0	16.0	
108 Hexachlorobutadiene	225	25.985	25.985	0.000	88	534506	15.0	16.2	
109 Naphthalene	128	26.289	26.289	0.000	99	1000971	15.0	14.9	
110 1,2,3-Trichlorobenzene	180	26.764	26.764	0.000	94	391619	15.0	18.4	

QC Flag Legend

Processing Flags
NC - Not Calibrated

Reagents:

ATTO15CAL5w_00046	Amount Added: 200.00	Units: mL	
ATTO15CISs_00006	Amount Added: 20.00	Units: mL	Run Reagent

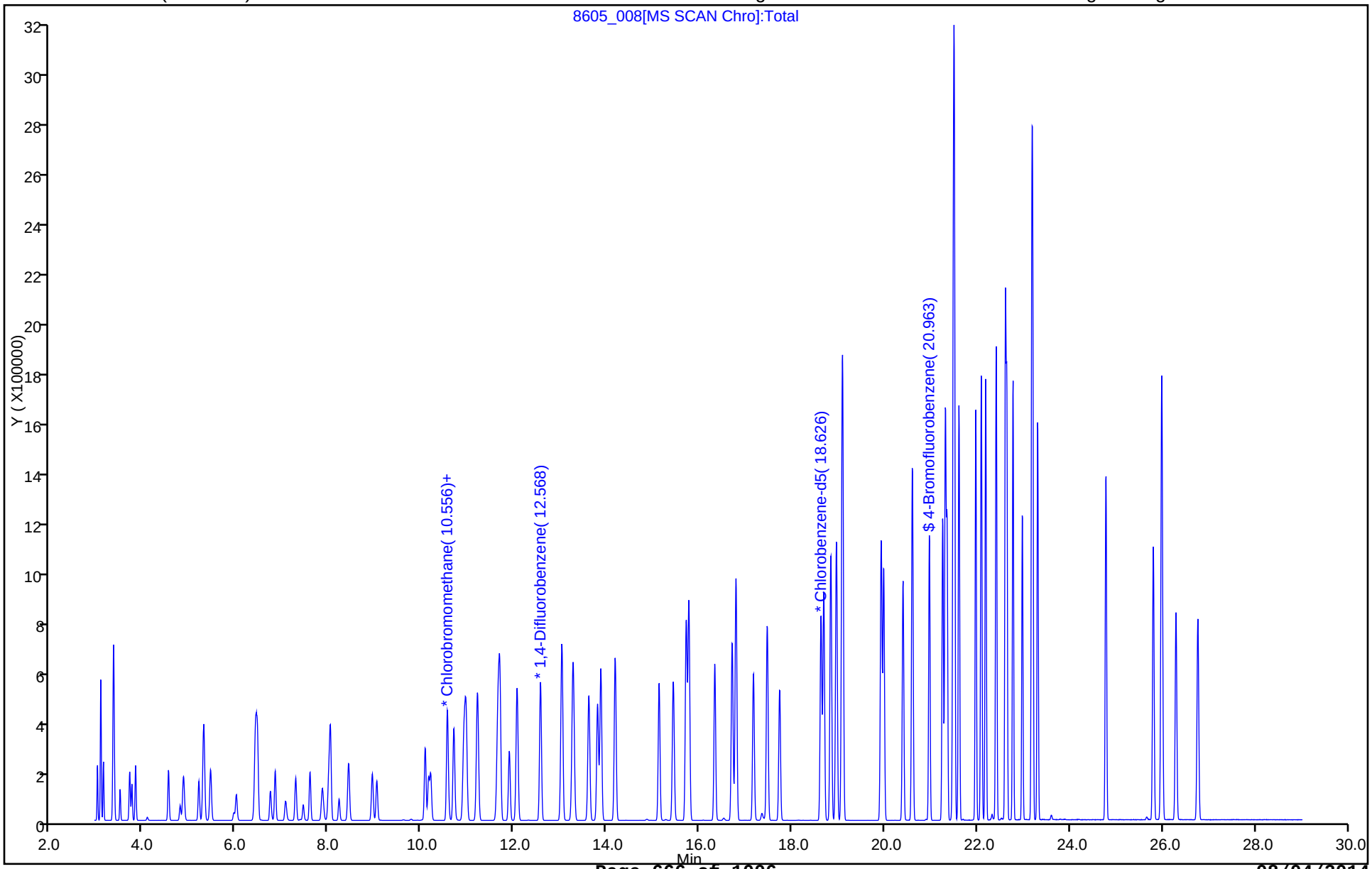
Report Date: 21-Jul-2014 11:27:44 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\8605_008.D

Injection Date:	17-Jul-2014 17:21:30	Instrument ID:	CHC.i	Operator ID:	wrd
Lims ID:	ic			Worklist Smp#:	8
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	7
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



TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\8605_009.D
Lims ID: ic
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 17-Jul-2014 18:14:30 ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0008605-009
Misc. Info.: ic-07
Operator ID: wrd Instrument ID: CHC.i
Sublist: chrom-TO15_LLNJ_TO3_CHC*sub2

Method: \\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\TO15_LLNJ_TO3_CHC.m
Limit Group: AI_TO15_ICAL
Last Update: 21-Jul-2014 11:27:46 Calib Date: 18-Jul-2014 09:36:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\8605_018.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK025

First Level Reviewer: desjardinsb Date: 18-Jul-2014 08:12:58

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	3.005	3.004	0.000	97	124366	20.0	18.0	
2 Dichlorodifluoromethane	85	3.074	3.074	0.000	98	696559	20.0	19.1	
6 Chlorodifluoromethane	51	3.133	3.132	0.001	96	307501	20.0	18.8	
7 1,2-Dichloro-1,1,2,2-tetra	85	3.351	3.351	0.000	96	600525	20.0	19.0	
8 Chloromethane	50	3.490	3.495	-0.005	98	162753	20.0	18.8	
9 Butane	43	3.698	3.698	0.000	97	253137	20.0	18.0	
10 Vinyl chloride	62	3.746	3.746	0.000	98	205692	20.0	19.4	
11 Butadiene	54	3.826	3.826	0.000	92	150656	20.0	18.9	
12 Bromomethane	94	4.536	4.536	0.000	99	217966	20.0	20.1	
13 Chloroethane	64	4.787	4.792	-0.005	99	91315	20.0	19.7	
14 2-Methylbutane	43	4.862	4.862	0.000	90	155056	20.0	18.0	
15 Vinyl bromide	106	5.193	5.192	0.001	98	206906	20.0	19.4	
16 Trichlorofluoromethane	101	5.299	5.299	0.000	99	736449	20.0	18.9	
17 Pentane	43	5.449	5.449	0.000	94	262702	20.0	18.3	
19 Ethanol	45	5.945	5.945	0.000	98	107276	40.0	37.5	
21 Ethyl ether	59	5.999	6.004	-0.006	90	120780	20.0	19.7	
22 Acrolein	56	6.404	6.409	-0.005	96	53108	20.0	20.2	
23 1,1,2-Trichloro-1,2,2-trif	101	6.425	6.415	0.010	98	421214	20.0	19.3	
24 1,1-Dichloroethene	96	6.457	6.463	-0.006	97	201033	20.0	19.6	
25 Acetone	43	6.735	6.740	-0.005	87	251822	20.0	17.8	
26 Carbon disulfide	76	6.842	6.842	0.000	99	510013	20.0	16.9	
27 Isopropyl alcohol	45	7.066	7.066	0.000	98	197724	20.0	17.5	
29 3-Chloro-1-propene	41	7.285	7.285	0.000	87	200030	20.0	18.5	
30 Acetonitrile	41	7.445	7.450	-0.005	97	96772	20.0	17.6	
31 Methylene Chloride	49	7.594	7.589	0.005	86	182858	20.0	18.2	
32 2-Methyl-2-propanol	59	7.861	7.856	0.005	99	331483	20.0	17.8	
33 Methyl tert-butyl ether	73	8.005	8.005	0.000	95	573397	20.0	19.0	
34 trans-1,2-Dichloroethene	61	8.032	8.032	0.000	91	259430	20.0	18.2	
35 Acrylonitrile	53	8.219	8.219	0.001	94	113337	20.0	19.4	
36 Hexane	57	8.427	8.421	0.006	91	243439	20.0	18.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
37 1,1-Dichloroethane	63	8.939	8.934	0.005	100	361268	20.0	19.0	
38 Vinyl acetate	43	9.035	9.035	0.000	99	449222	20.0	19.0	
39 cis-1,2-Dichloroethene	96	10.081	10.076	0.005	99	260755	20.0	19.2	
40 2-Butanone (MEK)	72	10.156	10.156	0.000	99	109559	20.0	17.5	
42 Ethyl acetate	88	10.204	10.193	0.011	99	19001	20.0	19.8	
S 41 1,2-Dichloroethene, Total	61				0		40.0	37.4	
* 43 Chlorobromomethane	128	10.556	10.551	0.005	85	117746	10.0	10.0	
44 Tetrahydrofuran	42	10.567	10.567	0.000	87	210918	20.0	18.2	
45 Chloroform	83	10.700	10.700	0.000	100	599592	20.0	18.8	
46 Cyclohexane	84	10.914	10.914	0.000	89	337385	20.0	19.1	
47 1,1,1-Trichloroethane	97	10.962	10.962	0.000	96	698162	20.0	19.0	
48 Carbon tetrachloride	117	11.207	11.207	0.000	99	774382	20.0	19.4	
51 Isooctane	57	11.656	11.655	0.001	99	1239576	20.0	17.8	
50 Benzene	78	11.693	11.693	0.000	96	810014	20.0	18.1	
52 1,2-Dichloroethane	62	11.896	11.896	0.000	99	478828	20.0	18.8	
53 n-Heptane	43	12.061	12.066	-0.005	90	490549	20.0	17.7	
* 54 1,4-Difluorobenzene	114	12.568	12.568	0.000	95	708019	10.0	10.0	
55 n-Butanol	56	13.011	13.011	0.000	87	171406	20.0	19.2	
56 Trichloroethene	95	13.033	13.032	0.001	97	484460	20.0	19.7	
A 57 GRO	1	13.171	(4.852-21.491)		0	116532444	20.0	0	
58 1,2-Dichloropropane	63	13.614	13.609	0.005	90	438725	20.0	19.7	
59 Methyl methacrylate	69	13.801	13.801	0.000	88	416306	20.0	20.4	
60 1,4-Dioxane	88	13.854	13.860	-0.006	91	151441	20.0	18.3	
61 Dibromomethane	174	13.876	13.870	0.006	94	402383	20.0	20.4	
62 Dichlorobromomethane	83	14.185	14.180	0.005	99	947379	20.0	20.1	
A 63 TVOC as Toluene	1	14.884	(2.994-26.774)		0	214771756	20.0	5357.4	
64 cis-1,3-Dichloropropene	75	15.130	15.130	0.000	92	693165	20.0	20.3	
65 4-Methyl-2-pentanone (MIBK	43	15.434	15.434	0.000	95	829876	20.0	18.0	
A 67 Toluene Range	1	15.712	(15.672-15.752)		0	3199499	NC	NC	
66 Toluene	92	15.717	15.712	0.005	94	772495	20.0	18.9	
68 n-Octane	43	15.776	15.770	0.006	90	848546	20.0	18.0	
A 69 C8 Range	1	15.787	(15.769-16.270)		0	3446130	NC	NC	
70 trans-1,3-Dichloropropene	75	16.331	16.331	0.000	96	737545	20.0	18.7	
71 1,1,2-Trichloroethane	83	16.710	16.704	0.006	95	424407	20.0	19.3	
72 Tetrachloroethene	166	16.790	16.790	0.000	93	605901	20.0	19.3	
73 2-Hexanone	43	17.169	17.168	0.001	95	810473	20.0	17.6	
74 Chlorodibromomethane	129	17.462	17.462	0.000	97	914416	20.0	20.5	
75 Ethylene Dibromide	107	17.734	17.729	0.005	99	778242	20.0	19.8	
* 76 Chlorobenzene-d5	117	18.626	18.625	0.001	88	721627	10.0	10.0	
77 Chlorobenzene	112	18.684	18.684	0.000	92	1035136	20.0	19.3	
78 Ethylbenzene	91	18.839	18.834	0.005	98	1696351	20.0	18.6	
79 n-Nonane	57	18.957	18.956	0.000	86	859207	20.0	18.4	
81 m-Xylene & p-Xylene	106	19.090	19.090	0.000	98	1256510	40.0	37.1	
83 o-Xylene	106	19.928	19.928	0.000	94	674503	20.0	19.1	
84 Styrene	104	19.981	19.981	0.000	93	1029784	20.0	20.4	
S 82 Xylenes, Total	106				0		60.0	56.2	
85 Bromoform	173	20.397	20.397	0.000	94	876341	20.0	21.4	
86 Isopropylbenzene	105	20.600	20.595	0.005	97	1845477	20.0	18.6	
$ 87 4-Bromofluorobenzene	95	20.963	20.963	0.000	94	577736	NC	NC	
88 1,1,2,2-Tetrachloroethane	83	21.251	21.251	0.000	97	1060469	20.0	18.7	
90 N-Propylbenzene	91	21.310	21.310	0.000	99	2187609	20.0	17.9	
89 1,2,3-Trichloropropane	75	21.347	21.347	0.000	96	882584	20.0	19.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
93 n-Decane	57	21.481	21.481	0.000	85	902967	20.0	16.8	
91 4-Ethyltoluene	105	21.502	21.497	0.005	97	1622218	20.0	17.4	
92 2-Chlorotoluene	91	21.508	21.507	0.001	96	1475390	20.0	17.0	
94 1,3,5-Trimethylbenzene	105	21.604	21.603	0.001	93	1584720	20.0	18.6	
95 Alpha Methyl Styrene	118	21.967	21.966	0.001	87	824175	20.0	21.7	
96 tert-Butylbenzene	119	22.089	22.084	0.005	91	1463567	20.0	18.7	
97 1,2,4-Trimethylbenzene	105	22.180	22.180	0.000	98	1584159	20.0	18.6	
98 sec-Butylbenzene	105	22.409	22.409	0.000	96	2104071	20.0	17.9	
99 4-Isopropyltoluene	119	22.607	22.607	0.000	94	1766708	20.0	18.5	
100 1,3-Dichlorobenzene	146	22.639	22.639	0.000	93	1048513	20.0	19.5	
101 1,4-Dichlorobenzene	146	22.772	22.772	0.000	91	1087854	20.0	19.8	
102 Benzyl chloride	91	22.975	22.970	0.005	99	1610524	20.0	21.4	
103 n-Butylbenzene	91	23.178	23.173	0.006	98	1689983	20.0	18.1	
104 Undecane	57	23.199	23.194	0.005	94	1032061	20.0	18.1	
105 1,2-Dichlorobenzene	146	23.306	23.301	0.005	93	1056396	20.0	19.9	
106 Dodecane	57	24.779	24.779	0.000	95	933862	20.0	21.2	
107 1,2,4-Trichlorobenzene	180	25.804	25.798	0.006	94	795256	20.0	25.2	
108 Hexachlorobutadiene	225	25.985	25.985	0.000	93	794271	20.0	22.9	
109 Naphthalene	128	26.289	26.289	0.000	98	1785273	20.0	25.2	
110 1,2,3-Trichlorobenzene	180	26.764	26.764	0.000	95	668097	20.0	29.9	

QC Flag Legend

Processing Flags
NC - Not Calibrated

Reagents:

ATTO15CAL6w_00092	Amount Added: 200.00	Units: mL	
ATTO15CISs_00006	Amount Added: 20.00	Units: mL	Run Reagent

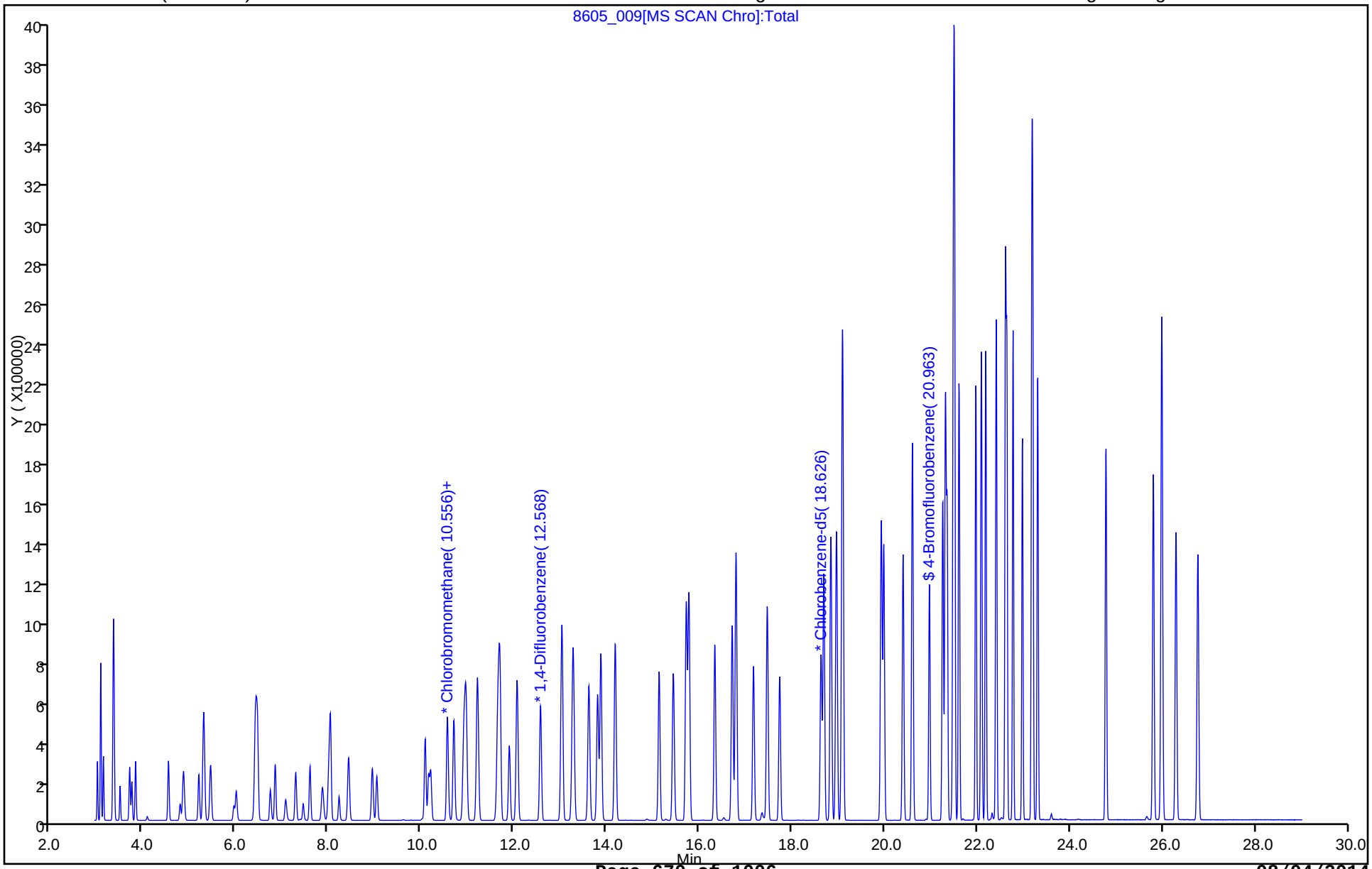
Report Date: 21-Jul-2014 11:27:46 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\8605_009.D

Injection Date:	17-Jul-2014 18:14:30	Instrument ID:	CHC.i	Operator ID:	wrd
Lims ID:	ic			Worklist Smp#:	9
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	8
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



TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\8605_010.D
Lims ID: ic
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 17-Jul-2014 19:07:30 ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0008605-010
Misc. Info.: ic-08
Operator ID: wrd Instrument ID: CHC.i
Sublist: chrom-TO15_LLNJ_TO3_CHC*sub2

Method: \\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\TO15_LLNJ_TO3_CHC.m
Limit Group: AI_TO15_ICAL
Last Update: 21-Jul-2014 11:27:47 Calib Date: 18-Jul-2014 09:36:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\8605_018.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK025

First Level Reviewer: desjardinsb Date: 18-Jul-2014 08:14:53

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	3.004	3.004	0.000	97	228574	40.0	29.2	
2 Dichlorodifluoromethane	85	3.074	3.074	0.000	87	1252865	40.0	30.3	
6 Chlorodifluoromethane	51	3.133	3.132	0.000	43	558518	40.0	30.2	
7 1,2-Dichloro-1,1,2,2-tetra	85	3.351	3.351	0.000	83	1122250	40.0	31.4	
8 Chloromethane	50	3.490	3.495	-0.005	88	304692	40.0	31.0	
9 Butane	43	3.698	3.698	0.000	97	466058	40.0	29.2	
10 Vinyl chloride	62	3.746	3.746	0.000	81	392494	40.0	32.6	
11 Butadiene	54	3.826	3.826	0.000	91	286874	40.0	31.8	
12 Bromomethane	94	4.536	4.536	0.000	99	442544	40.0	36.0	
13 Chloroethane	64	4.787	4.792	-0.005	94	180918	40.0	34.5	
14 2-Methylbutane	43	4.862	4.862	0.000	86	292688	40.0	30.0	
15 Vinyl bromide	106	5.193	5.192	0.001	90	441897	40.0	36.5	
16 Trichlorofluoromethane	101	5.299	5.299	0.000	98	1439288	40.0	32.6	
17 Pentane	43	5.449	5.449	0.000	93	492613	40.0	30.2	
19 Ethanol	45	5.956	5.945	0.011	98	372386	100.0	115.1	
21 Ethyl ether	59	5.998	6.004	-0.006	89	236530	40.0	34.0	
22 Acrolein	56	6.404	6.409	-0.005	43	93886	40.0	31.6	
23 1,1,2-Trichloro-1,2,2-trif	101	6.425	6.415	0.010	94	849899	40.0	34.4	
24 1,1-Dichloroethene	96	6.463	6.463	0.000	95	406513	40.0	35.0	
25 Acetone	43	6.735	6.740	-0.005	79	498653	40.0	31.0	
26 Carbon disulfide	76	6.842	6.842	0.000	98	1016612	40.0	29.8	
27 Isopropyl alcohol	45	7.071	7.066	0.005	98	385621	40.0	30.1	
29 3-Chloro-1-propene	41	7.285	7.285	0.000	85	371204	40.0	30.4	
30 Acetonitrile	41	7.450	7.450	0.000	97	202149	40.0	32.5	
31 Methylene Chloride	49	7.594	7.589	0.005	83	345359	40.0	30.4	
32 2-Methyl-2-propanol	59	7.866	7.856	0.010	17	672871	40.0	31.8	
33 Methyl tert-butyl ether	73	8.005	8.005	0.000	94	1122978	40.0	32.8	
34 trans-1,2-Dichloroethene	61	8.037	8.032	0.005	89	493186	40.0	30.6	
35 Acrylonitrile	53	8.224	8.219	0.006	93	227866	40.0	34.4	
36 Hexane	57	8.427	8.421	0.006	90	470122	40.0	31.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
37 1,1-Dichloroethane	63	8.939	8.934	0.005	99	701547	40.0	32.5	
38 Vinyl acetate	43	9.040	9.035	0.005	99	841223	40.0	31.4	
39 cis-1,2-Dichloroethene	96	10.081	10.076	0.005	96	527949	40.0	34.3	
40 2-Butanone (MEK)	72	10.156	10.156	0.000	97	219019	40.0	30.9	
42 Ethyl acetate	88	10.199	10.193	0.006	97	39837	40.0	36.6	
S 41 1,2-Dichloroethene, Total	61				0		80.0	64.9	
* 43 Chlorobromomethane	128	10.556	10.551	0.005	81	133343	10.0	10.0	
44 Tetrahydrofuran	42	10.561	10.567	-0.006	84	394917	40.0	31.5	
45 Chloroform	83	10.700	10.700	0.000	99	1159330	40.0	32.1	
46 Cyclohexane	84	10.919	10.914	0.005	87	663501	40.0	34.6	
47 1,1,1-Trichloroethane	97	10.962	10.962	0.000	94	1344419	40.0	33.7	
48 Carbon tetrachloride	117	11.213	11.207	0.006	99	1517785	40.0	35.1	
51 Isooctane	57	11.656	11.655	0.001	98	2205153	40.0	29.2	
50 Benzene	78	11.698	11.693	0.005	96	1518530	40.0	31.2	
52 1,2-Dichloroethane	62	11.901	11.896	0.005	99	902561	40.0	32.8	
53 n-Heptane	43	12.066	12.066	0.000	88	868104	40.0	28.9	
* 54 1,4-Difluorobenzene	114	12.573	12.568	0.005	94	766999	10.0	10.0	
55 n-Butanol	56	13.011	13.011	0.000	59	290550	40.0	30.1	
56 Trichloroethene	95	13.038	13.032	0.006	98	918195	40.0	34.5	
A 57 GRO	1	13.171	(4.852-21.491)		0	225893026	40.0	0	
58 1,2-Dichloropropane	63	13.614	13.609	0.005	89	811721	40.0	33.6	
59 Methyl methacrylate	69	13.806	13.801	0.005	85	791764	40.0	35.8	
60 1,4-Dioxane	88	13.860	13.860	0.000	48	289233	40.0	32.2	
61 Dibromomethane	174	13.876	13.870	0.006	96	836701	40.0	39.1	
62 Dichlorobromomethane	83	14.185	14.180	0.005	98	1775024	40.0	34.7	
A 63 TVOC as Toluene	1	14.884	(2.994-26.774)		0	397103415	40.0	9143.9	
64 cis-1,3-Dichloropropene	75	15.135	15.130	0.005	91	1307990	40.0	35.3	
65 4-Methyl-2-pentanone (MIBK	43	15.439	15.434	0.005	94	1473708	40.0	29.6	
A 67 Toluene Range	1	15.712	(15.672-15.752)		0	6116004	NC	NC	
66 Toluene	92	15.717	15.712	0.005	94	1466029	40.0	32.6	
68 n-Octane	43	15.776	15.770	0.006	86	1438601	40.0	28.1	
A 69 C8 Range	1	15.795	(15.769-16.270)		0	6004200	NC	NC	
70 trans-1,3-Dichloropropene	75	16.336	16.331	0.005	96	1387226	40.0	32.5	
71 1,1,2-Trichloroethane	83	16.710	16.704	0.006	92	810040	40.0	33.5	
72 Tetrachloroethene	166	16.795	16.790	0.005	88	1241236	40.0	35.9	
73 2-Hexanone	43	17.169	17.168	0.001	93	1435422	40.0	28.3	
74 Chlorodibromomethane	129	17.467	17.462	0.005	96	1778349	40.0	36.2	
75 Ethylene Dibromide	107	17.734	17.729	0.005	99	1501365	40.0	34.6	
* 76 Chlorobenzene-d5	117	18.631	18.625	0.006	60	794986	10.0	10.0	
77 Chlorobenzene	112	18.690	18.684	0.006	91	2002544	40.0	33.8	
78 Ethylbenzene	91	18.839	18.834	0.005	95	3037164	40.0	30.3	
79 n-Nonane	57	18.962	18.956	0.006	83	1481314	40.0	28.8	
81 m-Xylene & p-Xylene	106	19.095	19.090	0.005	93	2316456	80.0	62.1	
83 o-Xylene	106	19.933	19.928	0.005	95	1310135	40.0	33.7	
84 Styrene	104	19.981	19.981	0.000	92	1980260	40.0	35.6	
S 82 Xylenes, Total	106				0		120.0	95.8	
85 Bromoform	173	20.403	20.397	0.006	95	1783424	40.0	39.6	
86 Isopropylbenzene	105	20.600	20.595	0.005	97	3230814	40.0	29.5	
$ 87 4-Bromofluorobenzene	95	20.968	20.963	0.005	87	622329	NC	NC	
88 1,1,2,2-Tetrachloroethane	83	21.257	21.251	0.006	92	1856858	40.0	29.8	
90 N-Propylbenzene	91	21.315	21.310	0.005	94	3475040	40.0	25.8	
89 1,2,3-Trichloropropane	75	21.353	21.347	0.006	84	1543742	40.0	30.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
93 n-Decane	57	21.481	21.481	0.000	83	1289973	40.0	21.8	
91 4-Ethyltoluene	105	21.502	21.497	0.005	86	2652952	40.0	25.9	
92 2-Chlorotoluene	91	21.513	21.507	0.006	96	2362434	40.0	24.7	
94 1,3,5-Trimethylbenzene	105	21.609	21.603	0.006	95	2751280	40.0	29.3	
95 Alpha Methyl Styrene	118	21.972	21.966	0.006	86	1573981	40.0	37.7	
96 tert-Butylbenzene	119	22.089	22.084	0.005	86	2609316	40.0	30.2	
97 1,2,4-Trimethylbenzene	105	22.185	22.180	0.005	95	2687293	40.0	28.7	
98 sec-Butylbenzene	105	22.415	22.409	0.006	91	3390598	40.0	26.2	
99 4-Isopropyltoluene	119	22.612	22.607	0.005	88	2910200	40.0	27.6	
100 1,3-Dichlorobenzene	146	22.639	22.639	0.000	91	1960581	40.0	33.0	
101 1,4-Dichlorobenzene	146	22.772	22.772	0.000	90	2045769	40.0	33.8	
102 Benzyl chloride	91	22.975	22.970	0.005	97	2461395	40.0	29.7	
103 n-Butylbenzene	91	23.178	23.173	0.006	93	2633187	40.0	25.5	
104 Undecane	57	23.205	23.194	0.011	88	1489480	40.0	23.7	
105 1,2-Dichlorobenzene	146	23.306	23.301	0.005	91	1994362	40.0	34.2	
106 Dodecane	57	24.779	24.779	0.000	91	1458172	40.0	30.0	
107 1,2,4-Trichlorobenzene	180	25.804	25.798	0.006	95	1655381	40.0	47.7	
108 Hexachlorobutadiene	225	25.985	25.985	0.000	92	1694003	40.0	44.4	
109 Naphthalene	128	26.295	26.289	0.006	97	3105052	40.0	39.9	
110 1,2,3-Trichlorobenzene	180	26.764	26.764	0.000	94	1422982	40.0	57.8	

QC Flag Legend

Processing Flags
NC - Not Calibrated

Reagents:

ATTO15CAL7w_00047	Amount Added: 200.00	Units: mL	
ATTO15CISs_00006	Amount Added: 20.00	Units: mL	Run Reagent

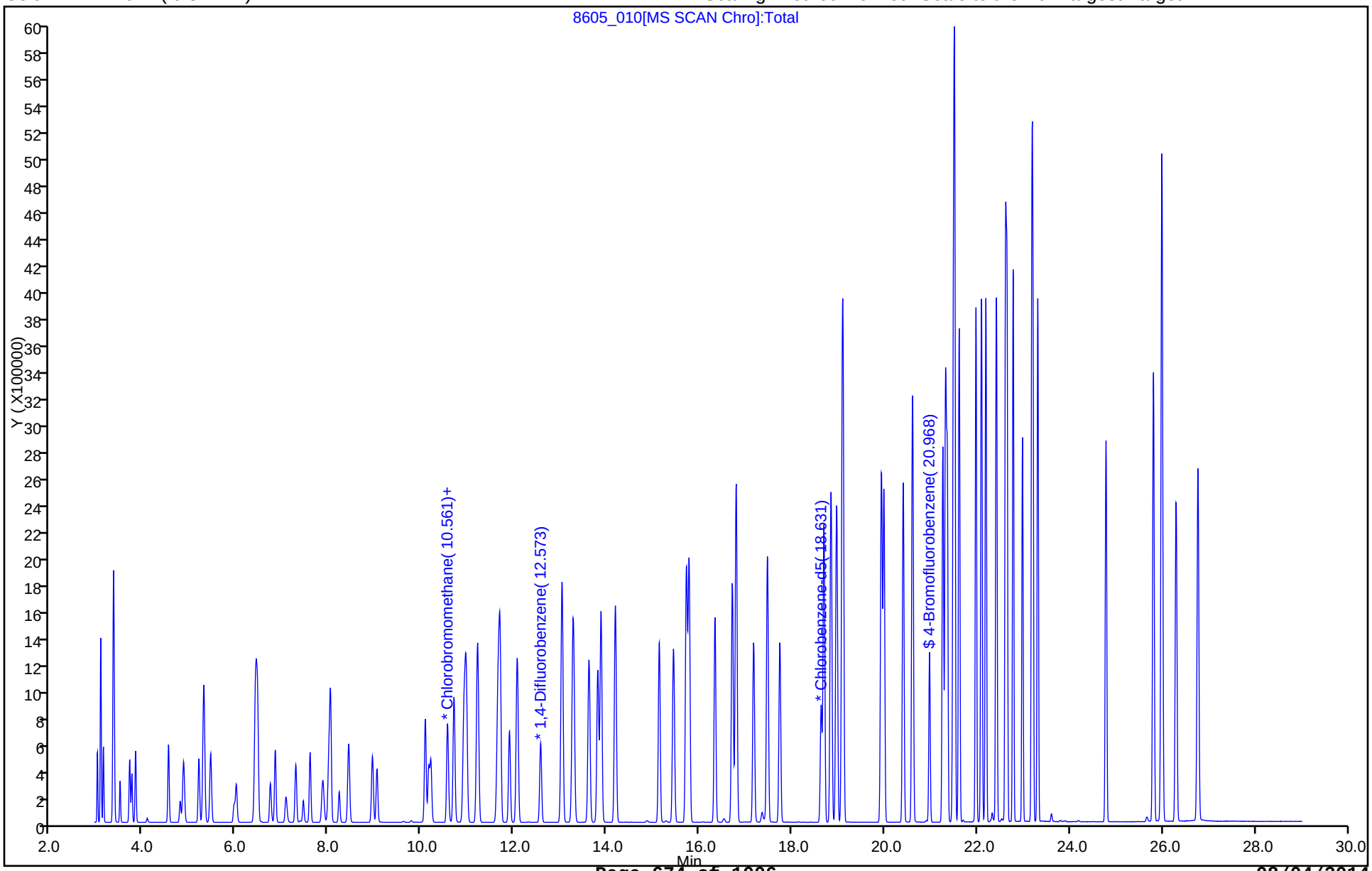
Report Date: 21-Jul-2014 11:27:47 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\8605_010.D

Injection Date:	17-Jul-2014 19:07:30	Instrument ID:	CHC.i	Operator ID:	wrd
Lims ID:	ic			Worklist Smp#:	10
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	9
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



TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\8605_018.D
Lims ID: ic
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 18-Jul-2014 09:36:30 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0008605-018
Misc. Info.: ic-03
Operator ID: wrd Instrument ID: CHC.i
Sublist: chrom-TO15_LLNJ_TO3_CHC*sub2

Method: \\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\TO15_LLNJ_TO3_CHC.m
Limit Group: AI_TO15_ICAL
Last Update: 21-Jul-2014 11:28:10 Calib Date: 18-Jul-2014 09:36:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\8605_018.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK025

First Level Reviewer: daiglep Date: 18-Jul-2014 11:25:10

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	3.004	3.004	0.000	95	4594	0.5005	0.6080	
2 Dichlorodifluoromethane	85	3.079	3.074	0.005	98	21806	0.5005	0.5465	
6 Chlorodifluoromethane	51	3.132	3.132	0.000	96	8940	0.5005	0.5005	
7 1,2-Dichloro-1,1,2,2-tetra	85	3.351	3.351	0.000	89	19023	0.5005	0.5512	
8 Chloromethane	50	3.490	3.495	-0.005	98	5159	0.5005	0.5436	
9 Butane	43	3.698	3.698	0.000	95	9155	0.5005	0.5945	
10 Vinyl chloride	62	3.752	3.746	0.006	97	6228	0.5005	0.5361	
11 Butadiene	54	3.826	3.826	0.000	90	4377	0.5005	0.5018	
12 Bromomethane	94	4.536	4.536	0.000	97	7132	0.5005	0.6008	
13 Chloroethane	64	4.792	4.792	0.000	95	2757	0.5005	0.5442	
14 2-Methylbutane	43	4.856	4.862	-0.006	92	5127	0.5005	0.5446	
15 Vinyl bromide	106	5.198	5.192	0.006	85	6815	0.5005	0.5834	
16 Trichlorofluoromethane	101	5.299	5.299	0.000	99	23367	0.5005	0.5478	
17 Pentane	43	5.443	5.449	-0.006	93	8995	0.5005	0.5715	
19 Ethanol	45	5.956	5.945	0.011	99	17088	5.01	5.47	
21 Ethyl ether	59	6.014	6.004	0.010	91	3483	0.5005	0.5180	M
22 Acrolein	56	6.420	6.409	0.011	81	2372	0.5005	0.8259	M
23 1,1,2-Trichloro-1,2,2-trif	101	6.425	6.415	0.010	96	13911	0.5005	0.5827	
24 1,1-Dichloroethene	96	6.463	6.463	0.000	95	6730	0.5005	0.5998	
25 Acetone	43	6.751	6.740	0.011	87	27795	0.5005	1.79	
26 Carbon disulfide	76	6.836	6.842	-0.006	99	27625	0.5005	0.8383	
27 Isopropyl alcohol	45	7.092	7.066	0.026	52	7179	0.5005	0.5798	M
29 3-Chloro-1-propene	41	7.285	7.285	0.000	86	5623	0.5005	0.4764	
30 Acetonitrile	41	7.455	7.450	0.005	93	3010	0.5005	0.5015	
31 Methylene Chloride	49	7.589	7.589	0.000	82	6355	0.5005	0.5795	
32 2-Methyl-2-propanol	59	7.882	7.856	0.026	98	10854	0.5005	0.5315	
33 Methyl tert-butyl ether	73	8.021	8.005	0.016	95	18359	0.5005	0.5552	
34 trans-1,2-Dichloroethene	61	8.032	8.032	0.000	88	8170	0.5005	0.5248	
35 Acrylonitrile	53	8.219	8.219	0.000	91	2994	0.5005	0.4680	
36 Hexane	57	8.421	8.421	0.000	90	7865	0.5005	0.5501	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
37 1,1-Dichloroethane	63	8.939	8.934	0.005	98	10765	0.5005	0.5165	
38 Vinyl acetate	43	9.035	9.035	0.000	99	12254	0.5005	0.4732	
39 cis-1,2-Dichloroethene	96	10.070	10.076	-0.006	97	8234	0.5005	0.5537	
40 2-Butanone (MEK)	72	10.161	10.156	0.005	98	4922	0.5005	0.7193	
42 Ethyl acetate	88		10.193					ND	
S 41 1,2-Dichloroethene, Total	61				0		1.00	1.08	
* 43 Chlorobromomethane	128	10.551	10.551	0.000	76	128825	10.0	10.0	
44 Tetrahydrofuran	42	10.588	10.567	0.021	83	7015	0.5005	0.5982	
45 Chloroform	83	10.695	10.700	-0.005	98	17591	0.5005	0.5046	
46 Cyclohexane	84	10.914	10.914	0.000	88	10023	0.5005	0.5600	
47 1,1,1-Trichloroethane	97	10.956	10.962	-0.006	96	20785	0.5005	0.5578	M
48 Carbon tetrachloride	117	11.207	11.207	0.000	97	22171	0.5005	0.5488	
51 Isooctane	57	11.650	11.655	-0.005	98	38003	0.5005	0.5389	
50 Benzene	78	11.687	11.693	-0.006	95	26287	0.5005	0.5790	
52 1,2-Dichloroethane	62	11.890	11.896	-0.006	98	13665	0.5005	0.5314	
53 n-Heptane	43	12.056	12.066	-0.010	86	14685	0.5005	0.5232	
* 54 1,4-Difluorobenzene	114	12.563	12.568	-0.005	95	716481	10.0	10.0	
55 n-Butanol	56	13.027	13.011	0.016	62	9037	0.5005	1.00	
56 Trichloroethene	95	13.032	13.032	0.000	98	14376	0.5005	0.5778	
A 57 GRO	1	13.171	(4.852-21.491)		0	3943013	0.5005	0	
58 1,2-Dichloropropane	63	13.609	13.609	0.000	90	12125	0.5005	0.5376	
59 Methyl methacrylate	69	13.801	13.801	0.000	79	10406	0.5005	0.5039	
60 1,4-Dioxane	88	13.881	13.860	0.021	47	5785	0.5005	0.6890	
61 Dibromomethane	174	13.870	13.870	0.000	94	12105	0.5005	0.6052	
62 Dichlorobromomethane	83	14.180	14.180	0.000	98	25544	0.5005	0.5343	
A 63 TVOC as Toluene	1	14.884	(2.994-26.774)		0	6671666	0.5005	164.5	
64 cis-1,3-Dichloropropene	75	15.124	15.130	-0.006	91	18938	0.5005	0.5469	
65 4-Methyl-2-pentanone (MIBK	43	15.439	15.434	0.005	95	32122	0.5005	0.6902	
A 67 Toluene Range	1	15.712	(15.672-15.752)		0	106659	NC	NC	
66 Toluene	92	15.706	15.712	-0.006	94	24014	0.5005	0.5964	
68 n-Octane	43	15.765	15.770	-0.005	91	27517	0.5005	0.5756	
A 69 C8 Range	1	15.784	(15.769-16.270)		0	102618	NC	NC	
70 trans-1,3-Dichloropropene	75	16.331	16.331	0.000	81	23302	0.5005	0.5848	
71 1,1,2-Trichloroethane	83	16.699	16.704	-0.005	94	12248	0.5005	0.5655	
72 Tetrachloroethene	166	16.790	16.790	0.000	93	18566	0.5005	0.6002	
73 2-Hexanone	43	17.168	17.168	0.000	94	32703	0.5005	0.7214	
74 Chlorodibromomethane	129	17.457	17.462	-0.005	97	23531	0.5005	0.5361	
75 Ethylene Dibromide	107	17.724	17.729	-0.005	99	21987	0.5005	0.5663	
* 76 Chlorobenzene-d5	117	18.620	18.625	-0.005	88	711147	10.0	10.0	
77 Chlorobenzene	112	18.684	18.684	0.000	93	32353	0.5005	0.6107	
78 Ethylbenzene	91	18.834	18.834	0.000	98	55300	0.5005	0.6160	
79 n-Nonane	57	18.956	18.956	0.000	86	27188	0.5005	0.5919	
81 m-Xylene & p-Xylene	106	19.084	19.090	-0.006	99	41908	1.00	1.26	
83 o-Xylene	106	19.922	19.928	-0.006	93	20653	0.5005	0.5937	
84 Styrene	104	19.976	19.981	-0.005	95	27081	0.5005	0.5438	
S 82 Xylenes, Total	106				0		1.50	1.85	
85 Bromoform	173	20.397	20.397	0.000	94	20277	0.5005	0.5035	
86 Isopropylbenzene	105	20.595	20.595	0.000	96	59967	0.5005	0.6119	
$ 87 4-Bromofluorobenzene	95	20.963	20.963	0.000	94	532522	NC	NC	
88 1,1,2,2-Tetrachloroethane	83	21.246	21.251	-0.005	97	32598	0.5005	0.5842	
90 N-Propylbenzene	91	21.310	21.310	0.000	99	75096	0.5005	0.6233	
89 1,2,3-Trichloropropane	75	21.342	21.347	-0.005	98	26863	0.5005	0.5856	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
93 n-Decane	57	21.475	21.481	-0.006	90	34562	0.5005	0.6541	
91 4-Ethyltoluene	105	21.497	21.497	0.000	97	59395	0.5005	0.6473	
92 2-Chlorotoluene	91	21.502	21.507	-0.005	95	55753	0.5005	0.6522	
94 1,3,5-Trimethylbenzene	105	21.598	21.603	-0.005	92	51280	0.5005	0.6103	
95 Alpha Methyl Styrene	118	21.966	21.966	0.000	90	16827	0.5005	0.4504	
96 tert-Butylbenzene	119	22.084	22.084	0.000	91	47603	0.5005	0.6165	
97 1,2,4-Trimethylbenzene	105	22.175	22.180	-0.006	98	51275	0.5005	0.6125	
98 sec-Butylbenzene	105	22.404	22.409	-0.005	99	73432	0.5005	0.6343	
99 4-Isopropyltoluene	119	22.607	22.607	0.000	97	60260	0.5005	0.6391	
100 1,3-Dichlorobenzene	146	22.633	22.639	-0.006	94	32538	0.5005	0.6128	
101 1,4-Dichlorobenzene	146	22.767	22.772	-0.005	93	32100	0.5005	0.5921	
102 Benzyl chloride	91	22.970	22.970	0.000	98	44518	0.5005	0.6003	
103 n-Butylbenzene	91	23.173	23.173	0.000	98	57090	0.5005	0.6192	
104 Undecane	57	23.194	23.194	0.000	95	32582	0.5005	0.5800	
105 1,2-Dichlorobenzene	146	23.301	23.301	0.000	92	30410	0.5005	0.5823	
106 Dodecane	57	24.779	24.779	0.000	93	4362	0.5005	0.1003	
107 1,2,4-Trichlorobenzene	180	25.798	25.798	0.000	92	7747	0.5005	0.2494	
108 Hexachlorobutadiene	225	25.980	25.985	-0.005	88	16322	0.5005	0.4777	
109 Naphthalene	128	26.289	26.289	0.000	98	19978	0.5005	0.2867	
110 1,2,3-Trichlorobenzene	180	26.759	26.764	-0.005	91	5708	0.5005	0.2593	

QC Flag Legend

Processing Flags
NC - Not Calibrated
ND - Not Detected or Marked ND

Review Flags
M - Manually Integrated

Reagents:

ATTO15CAL2w_00136	Amount Added: 200.00	Units: mL	
ATTO15CISs_00006	Amount Added: 20.00	Units: mL	Run Reagent

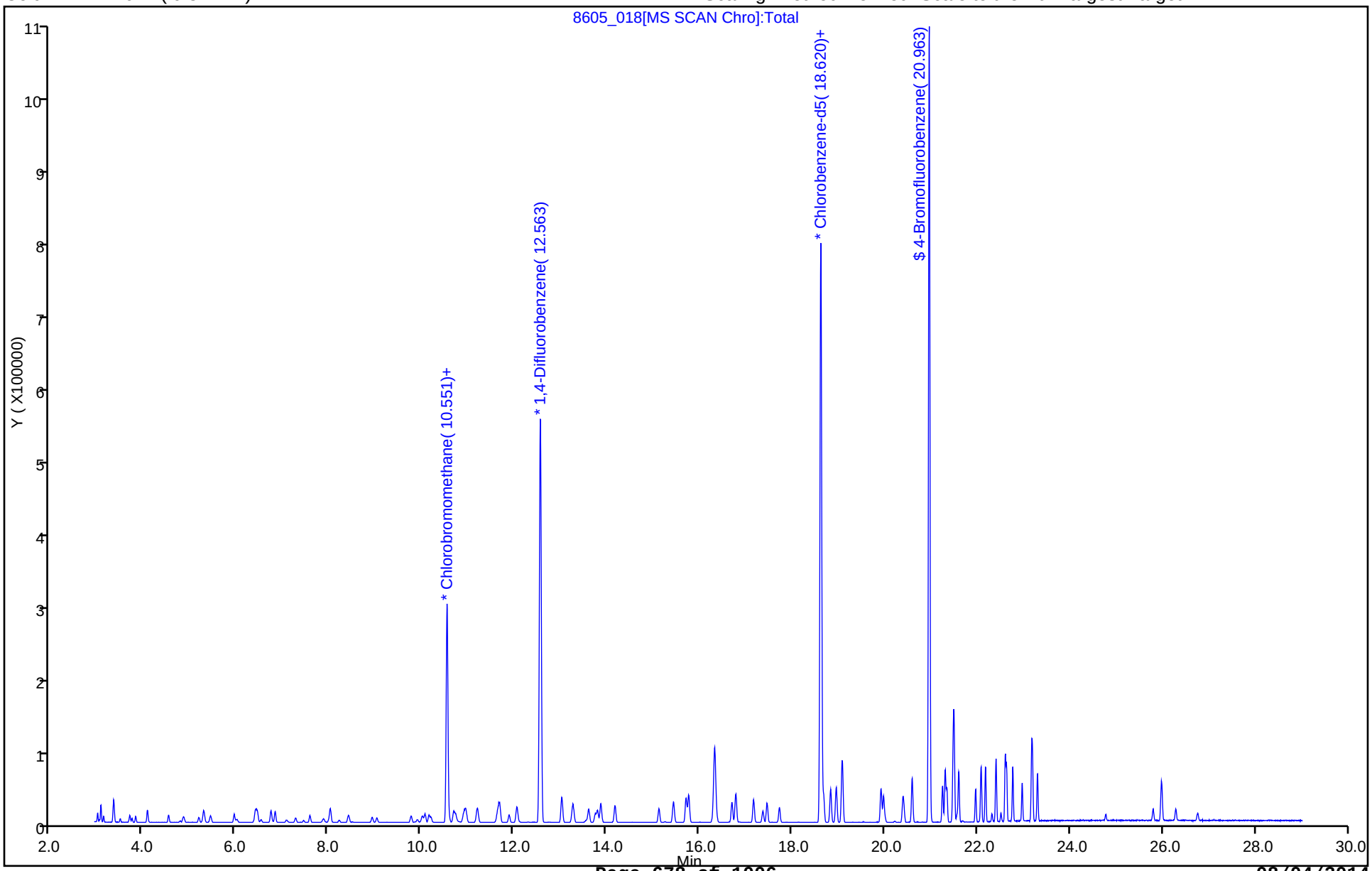
Report Date: 21-Jul-2014 11:28:11 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\8605_018.D

Injection Date:	18-Jul-2014 09:36:30	Instrument ID:	CHC.i	Operator ID:	wrd
Lims ID:	ic			Worklist Smp#:	18
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	17
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



Manual Integration/User Assign Peak Report

TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\8605_018.D				
Injection Date:	18-Jul-2014 09:36:30	Instrument ID:	CHC.i		
Lims ID:	ic				
Client ID:					
Operator ID:	wrd	ALS Bottle#:	17	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

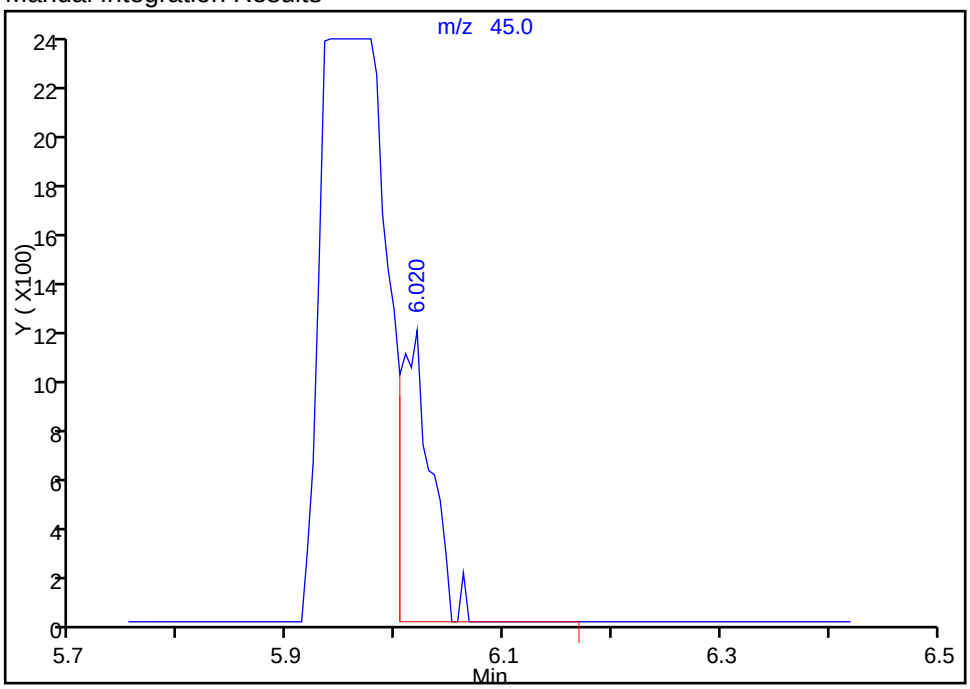
21 Ethyl ether, CAS: 60-29-7

Processing Integration Results

RT: 6.00
Response: 0
Amount: 0.518002

Manual Integration Results

RT: 6.02
Response: 2316
Amount: 0.518002



Reviewer: daiglep, 18-Jul-2014 11:25:10
Audit Action: Split an Integrated Peak
Audit Reason: Peak not found by the data system

Manual Integration/User Assign Peak Report

TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\8605_018.D				
Injection Date:	18-Jul-2014 09:36:30	Instrument ID:	CHC.i		
Lims ID:	ic				
Client ID:					
Operator ID:	wrd	ALS Bottle#:	17	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

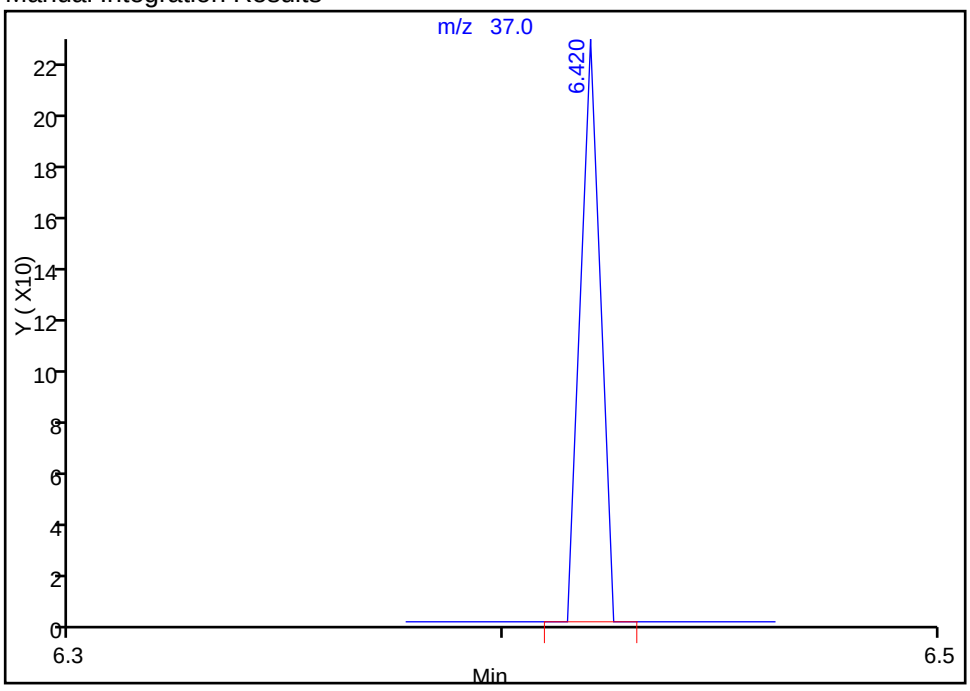
22 Acrolein, CAS: 107-02-8

Processing Integration Results

RT: 6.41
Response: 0
Amount: 0.745121

Manual Integration Results

RT: 6.42
Response: 73
Amount: 0.825874



Reviewer: daiglep, 18-Jul-2014 11:25:10
Audit Action: Manually Integrated
Audit Reason: Peak not found by the data system

Manual Integration/User Assign Peak Report

TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\8605_018.D				
Injection Date:	18-Jul-2014 09:36:30	Instrument ID:	CHC.i		
Lims ID:	ic				
Client ID:					
Operator ID:	wrd	ALS Bottle#:	17	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

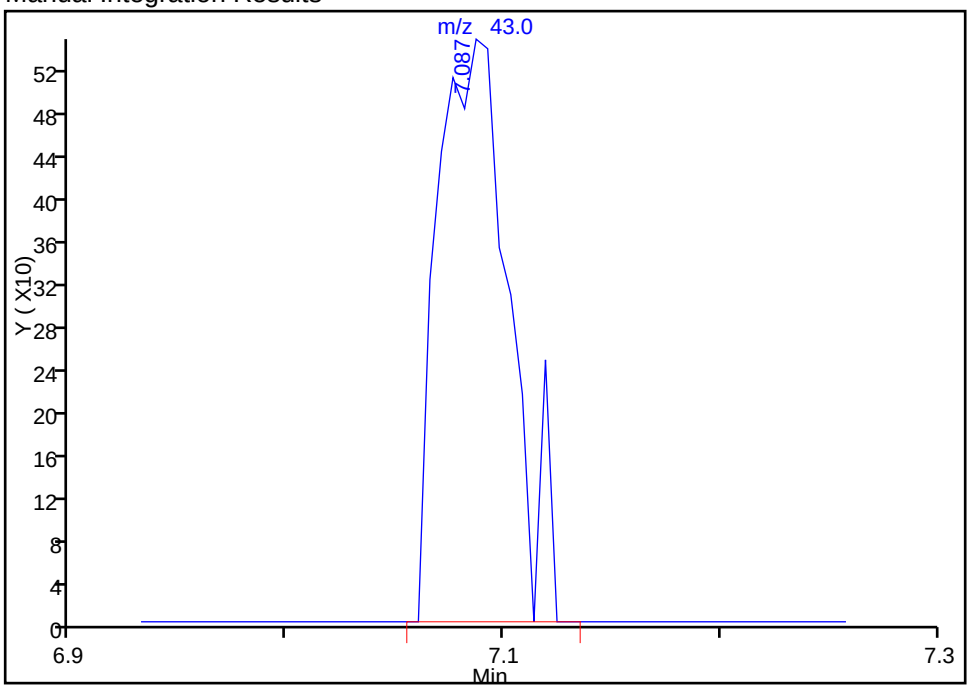
27 Isopropyl alcohol, CAS: 67-63-0

Processing Integration Results

RT: 7.07
Response: 0
Amount: 0.579844

Manual Integration Results

RT: 7.09
Response: 1263
Amount: 0.579844



Reviewer: daiglep, 18-Jul-2014 11:25:10
Audit Action: Manually Integrated
Audit Reason: Peak not found by the data system

Manual Integration/User Assign Peak Report

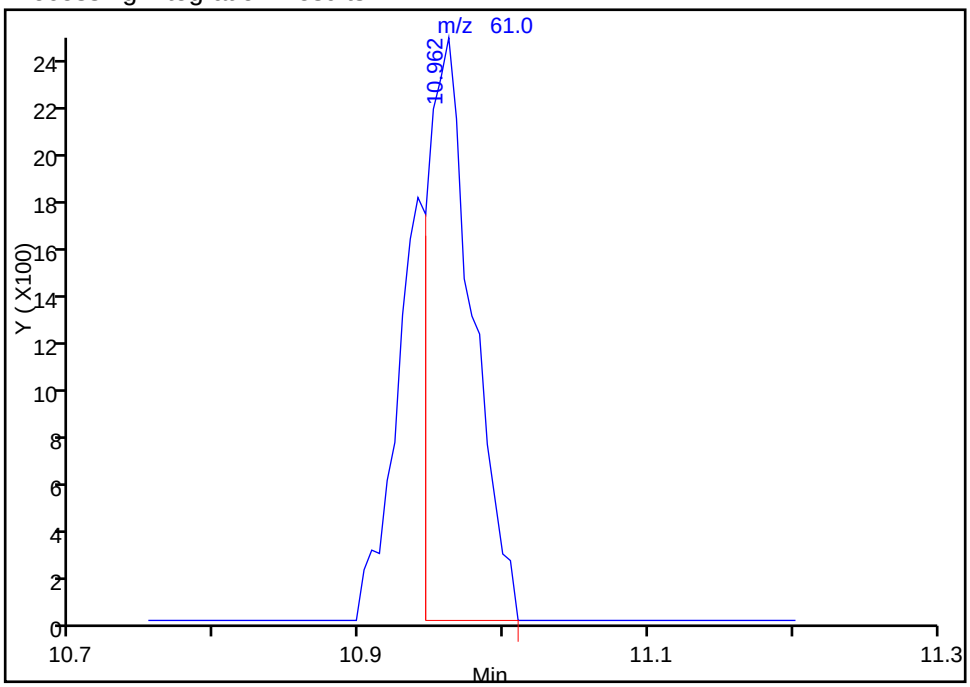
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\8605_018.D				
Injection Date:	18-Jul-2014 09:36:30	Instrument ID:	CHC.i		
Lims ID:	ic				
Client ID:					
Operator ID:	wrd	ALS Bottle#:	17	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

47 1,1,1-Trichloroethane, CAS: 71-55-6

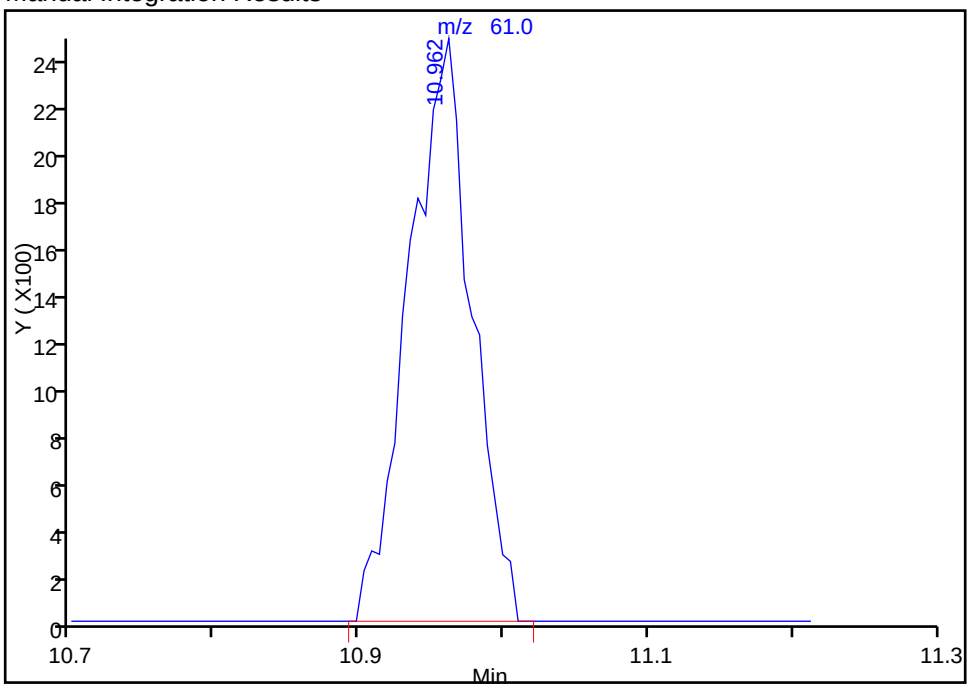
Processing Integration Results

RT: 10.96
Response: 5260
Amount: 0.557799



Manual Integration Results

RT: 10.96
Response: 7440
Amount: 0.557799



Reviewer: daiglep, 18-Jul-2014 11:25:10
Audit Action: Manually Integrated
Audit Reason: Baseline Event

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

Lab Name: TestAmerica Burlington Job No.: 280-58003-1 Analy Batch No.: 73568

SDG No.:

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

Calibration Start Date: 06/14/2014 09:46 Calibration End Date: 06/15/2014 00:33 Calibration ID: 27113

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-73568/16	8058_016.d
Level 2	IC 200-73568/17	8058_017.d
Level 3	IC 200-73568/5	8058_005.d
Level 4	IC 200-73568/6	8058_006.d
Level 5	ICIS 200-73568/7	8058_007.d
Level 6	IC 200-73568/8	8058_008.d
Level 7	IC 200-73568/9	8058_009.d
Level 8	IC 200-73568/10	8058_010.d

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Propylene	+++++ 0.7161	+++++ 0.6867	0.9338 0.6142	0.7011	0.7558	Ave		0.7346				15.0		30.0			
Dichlorodifluoromethane	+++++ 3.0084	+++++ 2.9315	3.2075 2.6381	2.6485	3.1104	Ave		2.9241				8.1		30.0			
Freon 22	+++++ 1.4888	+++++ 1.4273	1.6583 1.2959	1.3543	1.5468	Ave		1.4619				9.0		30.0			
1,2-Dichlorotetrafluoroethane	+++++ 2.9549	3.2787 2.8863	3.1170 2.5828	2.6071	3.0559	Ave		2.9261				8.8		30.0			
Chloromethane	+++++ 0.8721	+++++ 0.8422	1.0103 0.7794	0.7881	0.8990	Ave		0.8652				9.8		30.0			
n-Butane	+++++ 1.4588	+++++ 1.4116	1.5577 1.2440	1.3849	1.5452	Ave		1.4337				8.1		30.0			
Vinyl chloride	1.0758 1.1074	1.1519 1.0829	1.1019 0.9882	0.9474	1.1412	Ave		1.0746				6.7		30.0			
1,3-Butadiene	+++++ 0.7948	0.7971 0.7801	0.7719 0.6968	0.6785	0.8278	Ave		0.7639				7.2		30.0			
Bromomethane	+++++ 1.0692	1.2500 1.0579	1.1548 0.9581	0.9514	1.1165	Ave		1.0797				9.8		30.0			
Chloroethane	+++++ 0.6306	+++++ 0.6045	0.6484 0.5770	0.5418	0.6388	Ave		0.6068				6.8		30.0			
Isopentane	+++++ 1.1041	1.4839 1.0428	1.2054 0.9562	1.0130	1.1496	Ave		1.1364				15.0		30.0			
Bromoethene(Vinyl Bromide)	+++++ 1.3616	1.4613 1.3631	1.3090 1.2762	1.1246	1.3622	Ave		1.3226				7.9		30.0			
Trichlorofluoromethane	+++++ 3.2730	3.6236 3.2320	3.3303 2.9582	2.8432	3.3247	Ave		3.2264				8.0		30.0			
n-Pentane	+++++ 1.6674	+++++ 1.5921	1.7843 1.4309	1.5794	1.7421	Ave		1.6327				7.8		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Burlington Job No.: 280-58003-1 Analy Batch No.: 73568

SDG No.:

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

Calibration Start Date: 06/14/2014 09:46 Calibration End Date: 06/15/2014 00:33 Calibration ID: 27113

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Ethanol	+++++ 0.4072	+++++ 0.3815	0.4699 0.3230	0.4594	0.4536	Ave		0.4158				14.0		30.0			
Ethyl ether	+++++ 0.7535	0.7795 0.7341	0.7513 0.6800	0.6480	0.7697	Ave		0.7309				6.7		30.0			
Acrolein	+++++ 0.3223	+++++ 0.3370	+++++ 0.2854	0.2882	0.3216	Ave		0.3109				7.4		30.0			
Freon TF	+++++ 2.5254	2.8189 2.4974	2.4970 2.2858	2.1410	2.5455	Ave		2.4730				8.6		30.0			
1,1-Dichloroethene	+++++ 1.2418	1.3411 1.2394	1.2189 1.1621	1.0369	1.2485	Ave		1.2126				7.7		30.0			
Acetone	+++++ 1.5171	+++++ 1.4624	+++++ 1.1726	1.7194	1.7603	Ave		1.5263				15.0		30.0			
Carbon disulfide	+++++ 2.9759	+++++ 2.9215	3.9314 2.6770	2.5509	3.0745	Ave		3.0219				16.0		30.0			
Isopropyl alcohol	+++++ 1.3176	+++++ 1.2519	+++++ 1.0955	1.2309	1.5403	Ave		1.2873				13.0		30.0			
3-Chloropropene	+++++ 1.2026	1.1951 1.1564	1.2704 1.0474	1.0641	1.2102	Ave		1.1637				7.0		30.0			
Acetonitrile	+++++ 0.6831	+++++ 0.6430	+++++ 0.5795	0.6142	0.7346	Ave		0.6509				9.3		30.0			
Methylene Chloride	+++++ 1.0400	+++++ 1.0125	1.2589 0.9132	0.9787	1.0796	Ave		1.0471				11.0		30.0			
tert-Butyl alcohol	+++++ 1.9259	+++++ 1.8883	+++++ 1.6895	1.6225	2.1701	Ave		1.8593				12.0		30.0			
Methyl tert-butyl ether	+++++ 3.3653	3.4592 3.3181	3.2506 3.0523	2.8282	3.4122	Ave		3.2408				6.9		30.0			
trans-1,2-Dichloroethene	+++++ 1.4923	1.5928 1.4539	1.4855 1.3318	1.3037	1.5267	Ave		1.4552				7.1		30.0			
Acrylonitrile	+++++ 0.7363	+++++ 0.7227	0.7289 0.6687	0.6303	0.7621	Ave		0.7082				6.9		30.0			
n-Hexane	+++++ 1.6698	2.6653 1.6254	1.6990 1.4699	1.4978	1.7144	Ave		1.7631				23.0		30.0			
1,1-Dichloroethane	1.9116 1.9762	2.0887 1.9325	1.9840 1.7506	1.7153	2.0326	Ave		1.9239				6.8		30.0			
Vinyl acetate	+++++ 2.4974	+++++ 2.3841	+++++ 2.1287	2.1905	2.5835	Ave		2.3568				8.3		30.0			
cis-1,2-Dichloroethene	+++++ 1.3976	1.5045 1.3873	1.3897 1.2706	1.1755	1.4184	Ave		1.3634				7.9		30.0			
Methyl Ethyl Ketone	+++++ 0.6294	+++++ 0.6147	0.8806 0.5379	0.5563	0.6463	Ave		0.6442				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.: 280-58003-1 Analy Batch No.: 73568

SDG No.:

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

Calibration Start Date: 06/14/2014 09:46 Calibration End Date: 06/15/2014 00:33 Calibration ID: 27113

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Ethyl acetate	+++++ 0.1134	+++++ 0.1144	+++++ 0.1060	0.0917	0.1157	Ave		0.1082				9.2		30.0			
Tetrahydrofuran	+++++ 0.2230	+++++ 0.2123	+++++ 0.1967	0.1948	0.2335	Ave		0.2121				7.9		30.0			
Chloroform	+++++ 2.4375	2.5945 2.3964	2.4764 2.1993	2.0797	2.4811	Ave		2.3807				7.5		30.0			
Cyclohexane	+++++ 0.3865	0.4115 0.3777	0.3707 0.3454	0.3162	0.3868	Ave		0.3707				8.4		30.0			
1,1,1-Trichloroethane	+++++ 0.5496	0.5731 0.5425	0.5285 0.5054	0.4495	0.5500	Ave		0.5284				7.7		30.0			
Carbon tetrachloride	0.5798 0.6169	0.6021 0.5988	0.5490 0.5890	0.4870	0.6103	Ave		0.5791				7.4		30.0			
2,2,4-Trimethylpentane	+++++ 1.1448	1.2383 1.0972	1.1545 0.9700	0.9876	1.1779	Ave		1.1101				8.9		30.0			
Benzene	+++++ 0.8024	0.9150 0.7822	0.7958 0.7148	0.6739	0.8083	Ave		0.7846				9.8		30.0			
1,2-Dichloroethane	+++++ 0.2989	0.3126 0.2893	0.2953 0.2724	0.2540	0.3050	Ave		0.2897				7.0		30.0			
n-Heptane	+++++ 0.3806	0.6051 0.3589	0.4043 0.3163	0.3458	0.3961	Ave		0.4010				24.0		30.0			
n-Butanol	+++++ 0.1346	+++++ 0.1247	+++++ 0.1206	0.1063	0.1421	Ave		0.1256				11.0		30.0			
Trichloroethene	0.4137 0.3749	0.3902 0.3689	0.3678 0.3458	0.3047	0.3740	Ave		0.3675				8.7		30.0			
1,2-Dichloropropane	+++++ 0.2795	0.2898 0.2717	0.2733 0.2548	0.2340	0.2820	Ave		0.2693				7.0		30.0			
Methyl methacrylate	+++++ 0.2865	+++++ 0.2794	0.2470 0.2649	0.2295	0.2857	Ave		0.2655				8.7		30.0			
1,4-Dioxane	+++++ 0.1403	+++++ 0.1346	+++++ 0.1219	0.1181	0.1624	Ave		0.1355				13.0		30.0			
Dibromomethane	+++++ 0.4609	0.4704 0.4678	0.3995 0.4530	0.3503	0.4487	Ave		0.4358				10.0		30.0			
Bromodichloromethane	+++++ 0.5609	0.5254 0.5498	0.4956 0.5147	0.4537	0.5622	Ave		0.5232				7.5		30.0			
cis-1,3-Dichloropropene	+++++ 0.4393	0.3888 0.4333	0.3710 0.4102	0.3446	0.4368	Ave		0.4034				9.1		30.0			
methyl isobutyl ketone	+++++ 0.4854	+++++ 0.4591	0.4731 0.4112	0.4243	0.5134	Ave		0.4611				8.3		30.0			
n-Octane	+++++ 0.4954	0.7386 0.4500	0.5615 0.3536	0.4773	0.5338	Ave		0.5158				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.: 280-58003-1 Analy Batch No.: 73568

SDG No.:

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

Calibration Start Date: 06/14/2014 09:46 Calibration End Date: 06/15/2014 00:33 Calibration ID: 27113

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Toluene	+++++ 0.6872	0.8821 0.6641	0.8969 0.5693	0.5791	0.6959	Ave		0.7106				19.0		30.0			
trans-1,3-Dichloropropene	+++++ 0.4427	0.3670 0.4386	0.3570 0.4150	0.3458	0.4416	Ave		0.4011				11.0		30.0			
1,1,2-Trichloroethane	+++++ 0.3181	0.3313 0.3129	0.3092 0.2942	0.2603	0.3186	Ave		0.3064				7.6		30.0			
Tetrachloroethene	0.7757 0.7688	0.8034 0.7741	0.6946 0.7254	0.5951	0.7510	Ave		0.7360				9.0		30.0			
Methyl Butyl Ketone (2-Hexanone)	+++++ 0.5048	+++++ 0.4811	0.5012 0.4317	0.4407	0.5326	Ave		0.4820				8.1		30.0			
Dibromochloromethane	+++++ 0.7857	0.6642 0.7898	0.6074 0.7415	0.5913	0.7673	Ave		0.7067				12.0		30.0			
1,2-Dibromoethane	+++++ 0.6404	0.6092 0.6348	0.5702 0.5930	0.5085	0.6352	Ave		0.5988				7.9		30.0			
Chlorobenzene	+++++ 1.0186	1.0903 1.0063	0.9993 0.9121	0.8314	1.0171	Ave		0.9822				8.6		30.0			
Ethylbenzene	+++++ 1.4750	1.5757 1.4210	1.4583 1.2258	1.2404	1.4950	Ave		1.4130				9.3		30.0			
n-Nonane	+++++ 0.5984	0.8019 0.5666	0.6037 0.4747	0.5397	0.6204	Ave		0.6008				17.0		30.0			
m,p-Xylene	+++++ 0.6418	0.6699 0.6103	0.6108 0.4934	0.5457	0.6556	Ave		0.6039				11.0		30.0			
Xylene, o-	+++++ 0.6567	0.6498 0.6427	0.6040 0.5656	0.5381	0.6604	Ave		0.6168				7.9		30.0			
Styrene	+++++ 1.0061	0.8035 0.9399	0.8466 0.8483	0.8035	1.0157	Ave		0.8948				10.0		30.0			
Bromoform	+++++ 0.8922	0.6343 0.8931	0.5942 0.8150	0.6259	0.8554	Ave		0.7586				18.0		30.0			
Cumene	+++++ 1.7851	1.8964 1.6964	1.6995 1.3806	1.5161	1.8202	Ave		1.6849				11.0		30.0			
1,1,2,2-Tetrachloroethane	+++++ 0.8198	0.7999 0.7900	0.7951 0.6886	0.6969	0.8378	Ave		0.7754				7.6		30.0			
n-Propylbenzene	+++++ 1.9868	2.1239 1.8504	1.9791 1.4220	1.7411	2.0659	Ave		1.8813				13.0		30.0			
1,2,3-Trichloropropane	+++++ 0.6303	+++++ 0.6044	0.6457 0.5138	0.5428	0.6512	Ave		0.5980				9.6		30.0			
n-Decane	+++++ 0.7802	+++++ 0.7205	0.7911 0.5728	0.7134	0.8210	Ave		0.7332				12.0		30.0			
4-Ethyltoluene	+++++ 1.7906	1.8429 1.6884	1.7138 1.3265	1.5325	1.8452	Ave		1.6771				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.: 280-58003-1 Analy Batch No.: 73568

SDG No.:

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

Calibration Start Date: 06/14/2014 09:46 Calibration End Date: 06/15/2014 00:33 Calibration ID: 27113

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
2-Chlorotoluene	+++++ 1.4364	1.4882 1.3785	1.4333 1.1607	1.2263	1.4765	Ave		1.3714				9.3		30.0			
1,3,5-Trimethylbenzene	+++++ 1.5305	1.5387 1.4525	1.4627 1.1959	1.2838	1.5604	Ave		1.4321				9.7		30.0			
Alpha Methyl Styrene	+++++ 0.8677	0.5930 0.6429	0.6652 0.7617	0.6737	0.8671	Ave		0.7245				15.0		30.0			
tert-Butylbenzene	+++++ 1.5620	1.6396 1.4995	1.4698 1.2458	1.3126	1.5867	Ave		1.4737				9.9		30.0			
1,2,4-Trimethylbenzene	+++++ 1.5391	1.5285 1.4714	1.4588 1.2181	1.2908	1.5712	Ave		1.4397				9.3		30.0			
sec-Butylbenzene	+++++ 2.1742	2.3225 2.0315	2.1357 1.5870	1.8820	2.2499	Ave		2.0547				12.0		30.0			
4-Isopropyltoluene	+++++ 1.9681	1.9802 1.8458	1.8355 1.4650	1.6629	2.0167	Ave		1.8249				11.0		30.0			
1,3-Dichlorobenzene	+++++ 1.2257	1.0505 1.2077	1.0616 1.0492	0.9762	1.2346	Ave		1.1151				9.4		30.0			
1,4-Dichlorobenzene	+++++ 1.2124	0.9927 1.1987	0.9952 1.0516	0.9526	1.2254	Ave		1.0898				11.0		30.0			
Benzyl chloride	+++++ 1.1314	0.6066 1.1373	0.6306 1.0352	0.8219	1.0148	Ave		0.9111				25.0		30.0			
n-Undecane	+++++ 0.8161	+++++ 0.7086	+++++ 0.5342	0.7799	0.8993	Ave		0.7476				18.0		30.0			
n-Butylbenzene	+++++ 1.5698	1.5763 1.4472	1.5592 1.1047	1.3863	1.6533	Ave		1.4710				13.0		30.0			
1,2-Dichlorobenzene	+++++ 1.1715	1.0757 1.1570	1.0666 1.0309	0.9387	1.1723	Ave		1.0875				8.0		30.0			
n-Dodecane	+++++ 0.7676	+++++ 0.6403	+++++ 0.3633	0.7102	0.8832	Ave		0.6729				29.0		30.0			
1,2,4-Trichlorobenzene	+++++ 0.9576	+++++ 0.9572	0.7604 0.9265	0.6970	0.9887	Ave		0.8812				14.0		30.0			
Hexachlorobutadiene	+++++ 1.0137	0.9228 0.9710	0.8277 0.9472	0.7628	0.9964	Ave		0.9202				10.0		30.0			
Naphthalene	+++++ 1.7878	+++++ 1.7209	1.5991 1.6266	1.3908	2.0348	Ave		1.6933				13.0		30.0			
1,2,3-Trichlorobenzene	+++++ 0.8778	0.6172 0.8663	0.8222 0.8208	0.6840	0.9379	Ave		0.8037				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 RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 280-58003-1 Analy Batch No.: 73568

SDG No.:

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

Calibration Start Date: 06/14/2014 09:46 Calibration End Date: 06/15/2014 00:33 Calibration ID: 27113

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-73568/16	8058_016.d
Level 2	IC 200-73568/17	8058_017.d
Level 3	IC 200-73568/5	8058_005.d
Level 4	IC 200-73568/6	8058_006.d
Level 5	ICIS 200-73568/7	8058_007.d
Level 6	IC 200-73568/8	8058_008.d
Level 7	IC 200-73568/9	8058_009.d
Level 8	IC 200-73568/10	8058_010.d

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Propylene	BCM	Ave	+++++ 692857	+++++ 951503	28691 1771444	197892	469817	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Dichlorodifluoromethane	BCM	Ave	+++++ 2910832	+++++ 4061763	98548 7608629	747607	1933403	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Freon 22	BCM	Ave	+++++ 1440544	+++++ 1977624	50950 3737410	382300	961488	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,2-Dichlorotetrafluoroethane	BCM	Ave	+++++ 2859089	39355 3999205	95767 7449174	735932	1899518	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chloromethane	BCM	Ave	+++++ 843772	+++++ 1166980	31042 2247763	222466	558815	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Butane	BCM	Ave	+++++ 1411470	+++++ 1955904	47858 3587962	390938	960486	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Vinyl chloride	BCM	Ave	2909 1071516	13826 1500404	33855 2850110	267428	709375	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Butadiene	BCM	Ave	+++++ 769038	9568 1080934	23717 2009737	191528	514526	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromomethane	BCM	Ave	+++++ 1034511	15004 1465810	35479 2763377	268550	694003	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chloroethane	BCM	Ave	+++++ 610178	+++++ 837573	19920 1664221	152928	397081	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Isopentane	BCM	Ave	+++++ 1068305	17811 1444837	37034 2757769	285950	714580	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromoethene(Vinyl Bromide)	BCM	Ave	+++++ 1317386	17540 1888632	40219 3680703	317453	846732	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Trichlorofluoromethane	BCM	Ave	+++++ 3166856	43494 4478206	102321 8531996	802571	2066602	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Pentane	BCM	Ave	+++++ 1613354	+++++ 2205967	54820 4126826	445837	1082869	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Ethanol	BCM	Ave	+++++ 526428	+++++ 1057254	144553 2329022	259516	423144	+++++ 20.0	+++++ 40.0	5.01 100.0	9.99	15.0

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

Lab Name: TestAmerica Burlington Job No.: 280-58003-1 Analy Batch No.: 73568

SDG No.:

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

Calibration Start Date: 06/14/2014 09:46 Calibration End Date: 06/15/2014 00:33 Calibration ID: 27113

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Ethyl ether	BCM	Ave	+++++ 729054	9356 1017137	23082 1961106	182930	478447	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acrolein	BCM	Ave	+++++ 311843	+++++ 466890	+++++ 823251	81340	199914	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Freon TF	BCM	Ave	+++++ 2443487	33835 3460270	76718 6592500	604357	1582240	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1-Dichloroethene	BCM	Ave	+++++ 1201494	16097 1717262	37448 3351521	292687	776062	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acetone	BCM	Ave	+++++ 1467844	+++++ 2026274	+++++ 3381803	485345	1094199	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Carbon disulfide	BCM	Ave	+++++ 2879345	+++++ 4047890	120790 7720723	720064	1911050	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Isopropyl alcohol	BCM	Ave	+++++ 1274876	+++++ 1734629	+++++ 3159644	347447	957457	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
3-Chloropropene	BCM	Ave	+++++ 1163542	14345 1602291	39032 3020811	300368	752218	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acetonitrile	BCM	Ave	+++++ 660902	+++++ 890921	+++++ 1671451	173374	456622	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Methylene Chloride	BCM	Ave	+++++ 1006237	+++++ 1402836	38678 2633913	276254	671046	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
tert-Butyl alcohol	BCM	Ave	+++++ 1863403	+++++ 2616375	+++++ 4872730	458005	1348885	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Methyl tert-butyl ether	BCM	Ave	+++++ 3256093	41521 4597376	99873 8803355	798346	2120966	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
trans-1,2-Dichloroethene	BCM	Ave	+++++ 1443844	19118 2014404	45642 3841124	368004	948948	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acrylonitrile	BCM	Ave	+++++ 712427	+++++ 1001401	22395 1928594	177908	473690	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Hexane	BCM	Ave	+++++ 1615681	31992 2252142	52199 4239416	422795	1065615	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1-Dichloroethane	BCM	Ave	5169 1912064	25071 2677573	60956 5048951	484195	1263420	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Vinyl acetate	BCM	Ave	+++++ 2416387	+++++ 3303385	+++++ 6139398	618341	1605843	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
cis-1,2-Dichloroethene	BCM	Ave	+++++ 1352225	18059 1922125	42698 3664569	331827	881650	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl Ethyl Ketone	BCM	Ave	+++++ 608947	+++++ 851760	27057 1551517	157025	401738	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Ethyl acetate	BCM	Ave	+++++ 109767	+++++ 158528	+++++ 305628	25885	71925	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Tetrahydrofuran	DFB	Ave	+++++ 1039410	+++++ 1422715	+++++ 2674556	272419	705701	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00

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

Lab Name: TestAmerica Burlington Job No.: 280-58003-1 Analy Batch No.: 73568

SDG No.:

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

Calibration Start Date: 06/14/2014 09:46 Calibration End Date: 06/15/2014 00:33 Calibration ID: 27113

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Chloroform	BCM	Ave	+++++ 2358421	31142 3320360	76086 6343073	587069	1542191	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Cyclohexane	DFB	Ave	+++++ 1800908	24186 2530869	56284 4697055	442047	1168879	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,1-Trichloroethane	DFB	Ave	+++++ 2561294	33683 3634554	80247 6873978	628498	1662042	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Carbon tetrachloride	DFB	Ave	7713 2874816	35388 4012020	83365 8010150	680928	1844146	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2,2,4-Trimethylpentane	DFB	Ave	+++++ 5334952	72781 7351362	175299 13192719	1380918	3559291	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Benzene	DFB	Ave	+++++ 3739090	53777 5240982	120833 9720994	942298	2442468	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloroethane	DFB	Ave	+++++ 1393139	18375 1938565	44842 3704274	355115	921601	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Heptane	DFB	Ave	+++++ 1773580	35562 2404421	61388 4302203	483453	1196799	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Butanol	DFB	Ave	+++++ 627214	+++++ 835337	+++++ 1639585	148627	429267	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Trichloroethene	DFB	Ave	5503 1747105	22936 2472001	55843 4703106	426021	1130167	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloropropane	DFB	Ave	+++++ 1302619	17033 1820493	41500 3465686	327230	852063	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl methacrylate	DFB	Ave	+++++ 1335036	+++++ 1872071	37507 3602894	320907	863230	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,4-Dioxane	DFB	Ave	+++++ 653911	+++++ 901913	+++++ 1657574	165196	490757	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Dibromomethane	DFB	Ave	+++++ 2147639	27649 3134433	60656 6160960	489857	1355809	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromodichloromethane	DFB	Ave	+++++ 2613934	30880 3684023	75255 6999443	634319	1699009	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
cis-1,3-Dichloropropene	DFB	Ave	+++++ 2047179	22851 2903522	56329 5578997	481858	1319964	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
methyl isobutyl ketone	DFB	Ave	+++++ 2261803	+++++ 3076004	71834 5592620	593274	1551269	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Octane	DFB	Ave	+++++ 2308838	43409 3015372	85250 4809017	667434	1613015	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Toluene	CBZ	Ave	+++++ 2936589	46690 4054395	122842 7043017	740073	1935272	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
trans-1,3-Dichloropropene	DFB	Ave	+++++ 2063052	21571 2938865	54203 5644203	483487	1334289	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2-Trichloroethane	CBZ	Ave	+++++ 1359121	17536 1909935	42354 3639849	332673	886121	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

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

Lab Name: TestAmerica Burlington Job No.: 280-58003-1 Analy Batch No.: 73568

SDG No.:

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

Calibration Start Date: 06/14/2014 09:46 Calibration End Date: 06/15/2014 00:33 Calibration ID: 27113

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Tetrachloroethene	CBZ	Ave	9162 3285183	42526 4725517	95133 8974952	760503	2088563	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl Butyl Ketone (2-Hexanone)	CBZ	Ave	+++++ 2157179	+++++ 2937185	68643 5340909	563187	1481133	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Dibromochloromethane	CBZ	Ave	+++++ 3357225	35159 4821729	83194 9173337	755633	2133863	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dibromoethane	CBZ	Ave	+++++ 2736481	32249 3875155	78099 7336033	649919	1766627	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chlorobenzene	CBZ	Ave	+++++ 4352768	57712 6143539	136867 11284649	1062572	2828706	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Ethylbenzene	CBZ	Ave	+++++ 6302731	83407 8674873	199740 15165124	1585196	4157719	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Nonane	CBZ	Ave	+++++ 2556824	42449 3458850	82690 5873494	689710	1725249	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
m,p-Xylene	CBZ	Ave	+++++ 5485150	70917 7451684	167318 12208966	1394934	3646323	+++++ 30.0	0.401 40.0	1.00 80.0	9.99	20.0
Xylene, o-	CBZ	Ave	+++++ 2806217	34397 3923558	82736 6997225	687636	1836715	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Styrene	CBZ	Ave	+++++ 4299320	42532 5737755	115962 10494982	1026893	2824642	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromoform	CBZ	Ave	+++++ 3812482	33576 5452167	81382 10083003	799953	2378879	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Cumene	CBZ	Ave	+++++ 7628058	100381 10356587	232776 17080367	1937563	5061976	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2,2-Tetrachloroethane	CBZ	Ave	+++++ 3503138	42339 4823035	108909 8518880	890654	2329893	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Propylbenzene	CBZ	Ave	+++++ 8489813	112425 11296326	271077 17592520	2225165	5745350	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2,3-Trichloropropane	CBZ	Ave	+++++ 2693181	+++++ 3689873	88437 6356239	693732	1811073	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Decane	CBZ	Ave	+++++ 3334014	+++++ 4398332	108353 7086822	911682	2283318	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
4-Ethyltoluene	CBZ	Ave	+++++ 7651300	97551 10307652	234733 16411245	1958494	5131642	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2-Chlorotoluene	CBZ	Ave	+++++ 6137873	78772 8415712	196319 14360093	1567267	4106250	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3,5-Trimethylbenzene	CBZ	Ave	+++++ 6540016	81446 8867452	200347 14795627	1640731	4339590	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Alpha Methyl Styrene	CBZ	Ave	+++++ 3707868	31387 3925078	91112 9423340	860947	2411568	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
tert-Butylbenzene	CBZ	Ave	+++++ 6674529	86788 9154073	201317 15413556	1677467	4412729	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

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

Lab Name: TestAmerica Burlington Job No.: 280-58003-1 Analy Batch No.: 73568

SDG No.:

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

Calibration Start Date: 06/14/2014 09:46 Calibration End Date: 06/15/2014 00:33 Calibration ID: 27113

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,2,4-Trimethylbenzene	CBZ	Ave	+++++ 6576813	80906 8982477	199810 15069740	1649626	4369672	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
sec-Butylbenzene	CBZ	Ave	+++++ 9290663	122936 12402136	292530 19634253	2405166	6257024	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
4-Isopropyltoluene	CBZ	Ave	+++++ 8409771	104819 11268593	251401 18124664	2125241	5608679	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Dichlorobenzene	CBZ	Ave	+++++ 5237605	55608 7372882	145401 12980976	1247575	3433407	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,4-Dichlorobenzene	CBZ	Ave	+++++ 5180659	52544 7317633	136314 13010045	1217482	3407885	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Benzyl chloride	CBZ	Ave	+++++ 4834437	32111 6942988	86377 12807793	1050437	2822199	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Undecane	CBZ	Ave	+++++ 3487267	+++++ 4325990	+++++ 6609261	996662	2500936	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
n-Butylbenzene	CBZ	Ave	+++++ 6707811	83439 8834923	213563 13667013	1771724	4597886	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichlorobenzene	CBZ	Ave	+++++ 5006056	56937 7063418	146086 12754739	1199685	3260124	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Dodecane	CBZ	Ave	+++++ 3279874	+++++ 3909122	+++++ 4494545	907645	2456241	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
1,2,4-Trichlorobenzene	CBZ	Ave	+++++ 4092050	+++++ 5843441	104158 11463036	890796	2749600	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Hexachlorobutadiene	CBZ	Ave	+++++ 4331819	48847 5927691	113372 11719000	974898	2771121	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Naphthalene	CBZ	Ave	+++++ 7639569	+++++ 10505873	219022 20124744	1777404	5658932	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,2,3-Trichlorobenzene	CBZ	Ave	+++++ 3751034	32670 5288687	112610 10155190	874223	2608308	+++++ 15.0	0.200 20.0	0.500 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\20140613-8058.b\8058_005.d
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 14-Jun-2014 09:46:30 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0008058-005
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\20140613-8058.b\TO15_LLNJ_TO3_W_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 17-Jun-2014 09:22:19 Calib Date: 15-Jun-2014 00:33:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20140613-8058.b\8058_017.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK037

First Level Reviewer: daiglep Date: 16-Jun-2014 09:56:43

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	4.408	4.419	-0.011	96	28691	0.5005	0.6362	
2 Dichlorodifluoromethane	85	4.499	4.515	-0.016	88	98548	0.5005	0.5490	
6 Chlorodifluoromethane	51	4.563	4.579	-0.016	74	50950	0.5005	0.5677	
7 1,2-Dichloro-1,1,2,2-tetra	85	4.852	4.863	-0.011	91	95767	0.5005	0.5331	
8 Chloromethane	50	5.045	5.061	-0.016	88	31042	0.5005	0.5844	
9 Butane	43	5.307	5.323	-0.016	97	47858	0.5005	0.5437	
10 Vinyl chloride	62	5.366	5.376	-0.010	93	33855	0.5005	0.5132	
11 Butadiene	54	5.462	5.478	-0.016	92	23717	0.5005	0.5057	
12 Bromomethane	94	6.323	6.339	-0.016	94	35479	0.5005	0.5352	
13 BFB									
14 Chloroethane	64	6.612	6.623	-0.011	94	19920	0.5005	0.5347	
15 2-Methylbutane	43	6.698	6.708	-0.010	88	37034	0.5005	0.5308	
16 Vinyl bromide	106	7.083	7.099	-0.016	96	40219	0.5005	0.4953	
17 Trichlorofluoromethane	101	7.201	7.217	-0.017	85	102321	0.5005	0.5166	
18 Pentane	43	7.361	7.377	-0.016	97	54820	0.5005	0.5469	
19 Ethanol	45	7.810	7.832	-0.022	99	144553	5.01	5.66	
21 Ethyl ether	59	7.949	7.960	-0.011	92	23082	0.5005	0.5144	
22 Acrolein	56	8.415	8.426	-0.011	83	16702	0.5005	0.8751	
23 1,1,2-Trichloro-1,2,2-trif	101	8.447	8.458	-0.011	93	76718	0.5005	0.5053	
24 1,1-Dichloroethene	96	8.522	8.533	-0.011	82	37448	0.5005	0.5030	
25 Acetone	43	8.752	8.763	-0.011	89	176002	0.5005	1.88	
26 Carbon disulfide	76	9.009	9.019	-0.010	98	120790	0.5005	0.6511	
27 Isopropyl alcohol	45	9.035	9.057	-0.022	96	54231	0.5005	0.6862	
29 3-Chloro-1-propene	41	9.399	9.415	-0.016	91	39032	0.5005	0.5463	
30 Acetonitrile	41	9.533	9.549	-0.016	99	24510	0.5005	0.6134	
31 Methylene Chloride	49	9.731	9.747	-0.016	82	38678	0.5005	0.6017	
32 2-Methyl-2-propanol	59	9.902	9.929	-0.027	98	53309	0.5005	0.4670	
33 Methyl tert-butyl ether	73	10.164	10.170	-0.006	96	99873	0.5005	0.5020	
S 41 1,2-Dichloroethene, Total	61				0		1.00	1.02	
34 trans-1,2-Dichloroethene	61	10.228	10.244	-0.016	88	45642	0.5005	0.5109	

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	10.378	10.394	-0.016	98	22395	0.5005	0.5151	
36 Hexane	57	10.646	10.656	-0.010	89	52199	0.5005	0.4823	
37 1,1-Dichloroethane	63	11.191	11.202	-0.011	92	60956	0.5005	0.5161	
38 Vinyl acetate	43	11.229	11.240	-0.011	99	71975	0.5005	0.4974	
39 cis-1,2-Dichloroethene	96	12.374	12.379	-0.005	90	42698	0.5005	0.5101	
40 2-Butanone (MEK)	72	12.379	12.390	-0.011	99	27057	0.5005	0.6841	
42 Ethyl acetate	88	12.390	12.416	-0.026	96	3310	0.5005	0.4981	
44 Tetrahydrofuran	42	12.850	12.855	-0.005	32	36158	0.5005	0.5619	
* 43 Chlorobromomethane	128	12.850	12.860	-0.010	77	613925	10.0	10.0	
45 Chloroform	83	12.957	12.967	-0.010	94	76086	0.5005	0.5206	
46 Cyclohexane	84	13.256	13.267	-0.011	82	56284	0.5005	0.5005	
47 1,1,1-Trichloroethane	97	13.267	13.278	-0.011	90	80247	0.5005	0.5006	
48 Carbon tetrachloride	117	13.524	13.535	-0.011	89	83365	0.5005	0.4745	
51 Isooctane	57	13.914	13.920	-0.006	99	175299	0.5005	0.5205	
50 Benzene	78	13.979	13.984	-0.005	92	120833	0.5005	0.5076	
52 1,2-Dichloroethane	62	14.134	14.144	-0.010	90	44842	0.5005	0.5103	
53 n-Heptane	43	14.267	14.273	-0.006	88	61388	0.5005	0.5046	
* 54 1,4-Difluorobenzene	114	14.733	14.744	-0.011	92	3033970	10.0	10.0	
A 57 GRO	1	14.776	(6.698-22.853)		0	17498174	0.5005	0	
55 n-Butanol	56	15.027	15.027	0.000	83	24864	0.5005	0.6523	
56 Trichloroethene	95	15.198	15.209	-0.011	90	55843	0.5005	0.5008	
58 1,2-Dichloropropane	63	15.723	15.723	0.000	90	41500	0.5005	0.5079	
59 Methyl methacrylate	69	15.797	15.808	-0.011	83	37507	0.5005	0.4656	
60 1,4-Dioxane	88	15.899	15.899	0.000	89	21234	0.5005	0.5166	
61 Dibromomethane	174	15.963	15.969	-0.006	89	60656	0.5005	0.4587	
62 Dichlorobromomethane	83	16.215	16.215	0.000	94	75255	0.5005	0.4741	
A 63 TVOC as Toluene	92	16.637	(4.409-28.866)		0	28866752	0.5005	133.9	
64 cis-1,3-Dichloropropene	75	17.071	17.076	-0.005	84	56329	0.5005	0.4602	
65 4-Methyl-2-pentanone (MIBK	43	17.306	17.311	-0.005	94	71834	0.5005	0.5135	
A 68 C8 Range	1	17.643	(17.593-17.693)		0	818470	NC	NC	
69 n-Octane	43	17.638	17.643	-0.005	72	85250	0.5005	0.5448	
A 67 Toluene Range	92	17.648	(17.608-17.688)		0	818470	0.5005	4.21	
66 Toluene	92	17.643	17.648	-0.005	94	122842	0.5005	0.6316	
70 trans-1,3-Dichloropropene	75	18.178	18.183	-0.005	95	54203	0.5005	0.4454	
71 1,1,2-Trichloroethane	83	18.542	18.553	-0.011	94	42354	0.5005	0.5051	
72 Tetrachloroethene	166	18.681	18.686	-0.005	90	95133	0.5005	0.4723	
73 2-Hexanone	43	18.932	18.932	0.000	94	68643	0.5005	0.5203	
74 Chlorodibromomethane	129	19.307	19.307	0.000	95	83194	0.5005	0.4301	
75 Ethylene Dibromide	107	19.585	19.590	-0.005	98	78099	0.5005	0.4766	
S 82 Xylenes, Total	106				0		1.50	1.50	
* 76 Chlorobenzene-d5	117	20.430	20.430	0.000	81	2736912	10.0	10.0	
77 Chlorobenzene	112	20.484	20.489	-0.005	98	136867	0.5005	0.5092	
78 Ethylbenzene	91	20.596	20.601	-0.005	95	199740	0.5005	0.5165	
79 n-Nonane	57	20.655	20.655	0.000	86	82690	0.5005	0.5029	
80 m-Xylene & p-Xylene	106	20.816	20.821	-0.005	99	167318	1.00	1.01	
83 o-Xylene	106	21.527	21.532	-0.005	92	82736	0.5005	0.4901	
84 Styrene	104	21.570	21.570	0.000	98	115962	0.5005	0.4735	
85 Bromoform	173	21.950	21.950	0.000	99	81382	0.5005	0.3920	
86 Isopropylbenzene	105	22.094	22.094	0.000	95	232776	0.5005	0.5048	
$ 87 4-Bromofluorobenzene	95	22.431	22.436	-0.005	97	1806365	NC	NC	
88 1,1,2,2-Tetrachloroethane	83	22.656	22.661	-0.005	92	108909	0.5005	0.5132	
90 N-Propylbenzene	91	22.731	22.731	0.000	99	271077	0.5005	0.5265	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
89 1,2,3-Trichloropropane	75	22.757	22.763	-0.006	87	88437	0.5005	0.5403	
93 n-Decane	57	22.843	22.843	0.000	87	108353	0.5005	0.5400	
91 4-Ethyltoluene	105	22.897	22.897	0.000	85	234733	0.5005	0.5114	
92 2-Chlorotoluene	91	22.929	22.934	-0.005	93	196319	0.5005	0.5230	
94 1,3,5-Trimethylbenzene	105	22.987	22.987	0.000	85	200347	0.5005	0.5112	
95 Alpha Methyl Styrene	118	23.341	23.341	0.000	90	91112	0.5005	0.4595	
96 tert-Butylbenzene	119	23.464	23.469	-0.005	93	201317	0.5005	0.4991	
97 1,2,4-Trimethylbenzene	105	23.555	23.560	-0.005	96	199810	0.5005	0.5071	
98 sec-Butylbenzene	105	23.795	23.795	0.000	98	292530	0.5005	0.5202	
99 4-Isopropyltoluene	119	23.993	23.999	-0.006	85	251401	0.5005	0.5033	
100 1,3-Dichlorobenzene	146	24.068	24.068	0.000	98	145401	0.5005	0.4764	
101 1,4-Dichlorobenzene	146	24.213	24.213	0.000	96	136314	0.5005	0.4570	
102 Benzyl chloride	91	24.421	24.421	0.000	99	86377	0.5005	0.3464	
104 Undecane	57	24.608	24.608	0.000	93	117216	0.5005	0.5729	
103 n-Butylbenzene	91	24.635	24.635	0.000	97	213563	0.5005	0.5305	
105 1,2-Dichlorobenzene	146	24.817	24.817	0.000	98	146086	0.5005	0.4908	
106 Dodecane	57	26.411	26.406	0.005	94	94583	0.5005	0.5136	
107 1,2,4-Trichlorobenzene	180	27.701	27.706	-0.005	93	104158	0.5005	0.4319	
108 Hexachlorobutadiene	225	27.904	27.904	0.000	93	113372	0.5005	0.4501	
109 Naphthalene	128	28.289	28.289	0.000	99	219022	0.5005	0.4726	
110 1,2,3-Trichlorobenzene	180	28.851	28.856	-0.005	94	112610	0.5005	0.5119	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

ATTO15CAL2w_00131	Amount Added: 200.00	Units: mL	
ATTO15WISs_00003	Amount Added: 20.00	Units: mL	Run Reagent

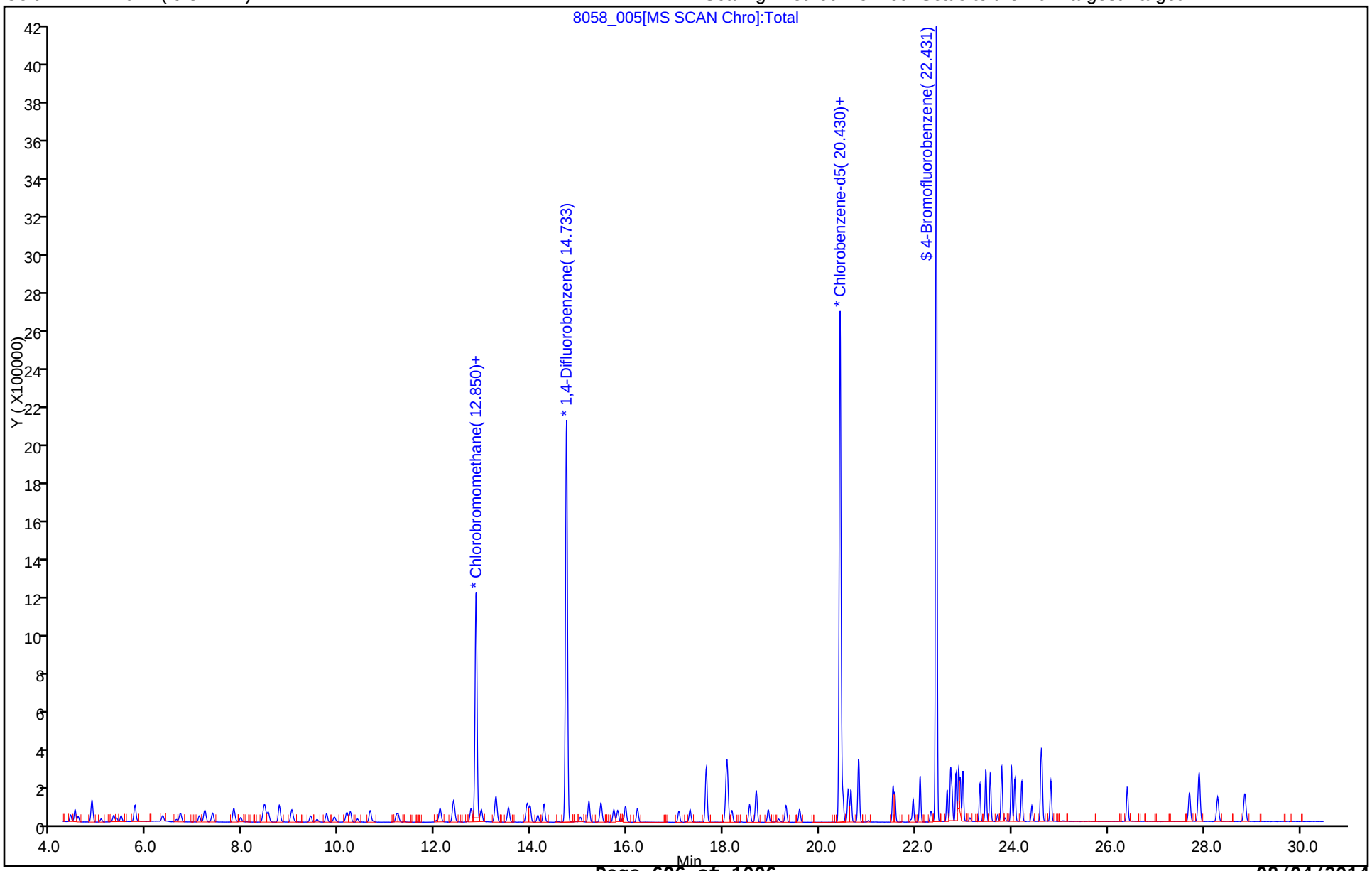
Report Date: 17-Jun-2014 09:22:20 Chrom Revision: 2.2 12-Jun-2014 08:49:30

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140613-8058.b\8058_005.d

Injection Date:	14-Jun-2014 09:46:30	Instrument ID:	CHW.i	Operator ID:	PAD
Lims ID:	IC			Worklist Smp#:	5
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\20140613-8058.b\8058_006.d
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 14-Jun-2014 10:36:30 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0008058-006
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\20140613-8058.b\TO15_LLNJ_TO3_W_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 16-Jun-2014 10:40:41 Calib Date: 15-Jun-2014 00:33:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20140613-8058.b\8058_017.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK030

First Level Reviewer: daiglep Date: 16-Jun-2014 09:57:53

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	4.413	4.419	-0.006	98	197892	4.99	4.76	
2 Dichlorodifluoromethane	85	4.504	4.515	-0.011	88	747607	4.99	4.52	
6 Chlorodifluoromethane	51	4.574	4.579	-0.005	76	382300	4.99	4.63	
7 1,2-Dichloro-1,1,2,2-tetra	85	4.852	4.863	-0.011	89	735932	4.99	4.45	
8 Chloromethane	50	5.050	5.061	-0.011	89	222466	4.99	4.55	
9 Butane	43	5.312	5.323	-0.011	98	390938	4.99	4.82	
10 Vinyl chloride	62	5.371	5.376	-0.005	82	267428	4.99	4.40	
11 Butadiene	54	5.467	5.478	-0.011	94	191528	4.99	4.43	
12 Bromomethane	94	6.328	6.339	-0.011	99	268550	4.99	4.40	
13 BFB									
14 Chloroethane	64	6.612	6.623	-0.011	96	152928	4.99	4.46	
15 2-Methylbutane	43	6.698	6.708	-0.010	92	285950	4.99	4.45	
16 Vinyl bromide	106	7.088	7.099	-0.011	97	317453	4.99	4.25	
17 Trichlorofluoromethane	101	7.206	7.217	-0.011	87	802571	4.99	4.40	
18 Pentane	43	7.372	7.377	-0.005	97	445837	4.99	4.83	
19 Ethanol	45	7.805	7.832	-0.027	99	259516	10.0	11.0	
21 Ethyl ether	59	7.949	7.960	-0.011	94	182930	4.99	4.43	
22 Acrolein	56	8.415	8.426	-0.011	94	81340	4.99	4.63	
23 1,1,2-Trichloro-1,2,2-trif	101	8.452	8.458	-0.006	93	604357	4.99	4.32	
24 1,1-Dichloroethene	96	8.527	8.533	-0.006	85	292687	4.99	4.27	
25 Acetone	43	8.757	8.763	-0.006	89	485345	4.99	5.62	
26 Carbon disulfide	76	9.014	9.019	-0.005	99	720064	4.99	4.21	
27 Isopropyl alcohol	45	9.035	9.057	-0.022	91	347447	4.99	4.77	
29 3-Chloro-1-propene	41	9.410	9.415	-0.005	90	300368	4.99	4.57	
30 Acetonitrile	41	9.544	9.549	-0.005	99	173374	4.99	4.71	
31 Methylene Chloride	49	9.736	9.747	-0.011	83	276254	4.99	4.67	
32 2-Methyl-2-propanol	59	9.902	9.929	-0.027	99	458005	4.99	4.36	
33 Methyl tert-butyl ether	73	10.159	10.170	-0.011	96	798346	4.99	4.36	
S 41 1,2-Dichloroethene, Total	61				0		9.99	8.78	
34 trans-1,2-Dichloroethene	61	10.234	10.244	-0.010	82	368004	4.99	4.47	

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	10.378	10.394	-0.016	97	177908	4.99	4.44	
36 Hexane	57	10.646	10.656	-0.010	91	422795	4.99	4.24	
37 1,1-Dichloroethane	63	11.197	11.202	-0.005	94	484195	4.99	4.45	
38 Vinyl acetate	43	11.234	11.240	-0.006	99	618341	4.99	4.64	
39 cis-1,2-Dichloroethene	96	12.374	12.379	-0.005	93	331827	4.99	4.30	
40 2-Butanone (MEK)	72	12.379	12.390	-0.011	99	157025	4.99	4.31	
42 Ethyl acetate	88	12.400	12.416	-0.016	97	25885	4.99	4.23	
44 Tetrahydrofuran	42	12.850	12.855	-0.005	92	272419	4.99	4.59	
* 43 Chlorobromomethane	128	12.850	12.860	-0.010	76	565399	10.0	10.0	
45 Chloroform	83	12.962	12.967	-0.005	94	587069	4.99	4.36	
46 Cyclohexane	84	13.262	13.267	-0.005	87	442047	4.99	4.26	
47 1,1,1-Trichloroethane	97	13.267	13.278	-0.011	93	628498	4.99	4.25	
48 Carbon tetrachloride	117	13.524	13.535	-0.011	89	680928	4.99	4.20	
51 Isooctane	57	13.914	13.920	-0.006	99	1380918	4.99	4.44	
50 Benzene	78	13.979	13.984	-0.005	93	942298	4.99	4.29	
52 1,2-Dichloroethane	62	14.134	14.144	-0.010	92	355115	4.99	4.38	
53 n-Heptane	43	14.267	14.273	-0.006	88	483453	4.99	4.30	
* 54 1,4-Difluorobenzene	114	14.738	14.744	-0.006	92	2800593	10.0	10.0	
A 57 GRO	1	14.776	(6.698-22.853)		0	121152619	4.99	0	
55 n-Butanol	56	15.016	15.027	-0.011	85	148627	4.99	4.22	
56 Trichloroethene	95	15.198	15.209	-0.011	90	426021	4.99	4.14	
58 1,2-Dichloropropane	63	15.717	15.723	-0.006	92	327230	4.99	4.34	
59 Methyl methacrylate	69	15.803	15.808	-0.005	82	320907	4.99	4.32	
60 1,4-Dioxane	88	15.894	15.899	-0.005	86	165196	4.99	4.35	
61 Dibromomethane	174	15.963	15.969	-0.006	89	489857	4.99	4.01	
62 Dichlorobromomethane	83	16.209	16.215	-0.006	95	634319	4.99	4.33	
A 63 TVOC as Toluene	92	16.637	(4.409-28.866)		0	211129759	4.99	1060.8	
64 cis-1,3-Dichloropropene	75	17.071	17.076	-0.005	85	481858	4.99	4.26	
65 4-Methyl-2-pentanone (MIBK	43	17.301	17.311	-0.010	95	593274	4.99	4.59	
69 n-Octane	43	17.638	17.643	-0.005	89	667434	4.99	4.62	
A 68 C8 Range	1	17.643	(17.593-17.693)		0	5563454	NC	NC	
66 Toluene	92	17.643	17.648	-0.005	93	740073	4.99	4.07	
A 67 Toluene Range	92	17.648	(17.608-17.688)		0	5563454	4.99	30.6	
70 trans-1,3-Dichloropropene	75	18.178	18.183	-0.005	93	483487	4.99	4.30	
71 1,1,2-Trichloroethane	83	18.547	18.553	-0.006	93	332673	4.99	4.24	
72 Tetrachloroethene	166	18.686	18.686	0.000	90	760503	4.99	4.04	
73 2-Hexanone	43	18.932	18.932	0.000	97	563187	4.99	4.56	
74 Chlorodibromomethane	129	19.302	19.307	-0.005	96	755633	4.99	4.18	
75 Ethylene Dibromide	107	19.585	19.590	-0.005	98	649919	4.99	4.24	
S 82 Xylenes, Total	106				0		15.0	13.4	
* 76 Chlorobenzene-d5	117	20.430	20.430	0.000	80	2559835	10.0	10.0	
77 Chlorobenzene	112	20.489	20.489	0.000	92	1062572	4.99	4.23	
78 Ethylbenzene	91	20.601	20.601	0.000	96	1585196	4.99	4.38	
79 n-Nonane	57	20.655	20.655	0.000	85	689710	4.99	4.48	
80 m-Xylene & p-Xylene	106	20.815	20.821	-0.006	98	1394934	9.99	9.02	
83 o-Xylene	106	21.532	21.532	0.000	95	687636	4.99	4.36	
84 Styrene	104	21.570	21.570	0.000	97	1026893	4.99	4.48	
85 Bromoform	173	21.950	21.950	0.000	99	799953	4.99	4.12	
86 Isopropylbenzene	105	22.094	22.094	0.000	94	1937563	4.99	4.49	
$ 87 4-Bromofluorobenzene	95	22.431	22.436	-0.005	98	1708281	NC	NC	
88 1,1,2,2-Tetrachloroethane	83	22.656	22.661	-0.005	93	890654	4.99	4.49	
90 N-Propylbenzene	91	22.731	22.731	0.000	99	2225165	4.99	4.62	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
89 1,2,3-Trichloropropane	75	22.757	22.763	-0.006	89	693732	4.99	4.53	
93 n-Decane	57	22.843	22.843	0.000	86	911682	4.99	4.86	
91 4-Ethyltoluene	105	22.897	22.897	-0.001	84	1958494	4.99	4.56	
92 2-Chlorotoluene	91	22.934	22.934	0.000	92	1567267	4.99	4.46	
94 1,3,5-Trimethylbenzene	105	22.987	22.987	0.000	86	1640731	4.99	4.48	
95 Alpha Methyl Styrene	118	23.341	23.341	0.000	90	860947	4.99	4.64	
96 tert-Butylbenzene	119	23.464	23.469	-0.005	95	1677467	4.99	4.45	
97 1,2,4-Trimethylbenzene	105	23.555	23.560	-0.005	96	1649626	4.99	4.48	
98 sec-Butylbenzene	105	23.795	23.795	0.000	98	2405166	4.99	4.57	
99 4-Isopropyltoluene	119	23.999	23.999	0.000	88	2125241	4.99	4.55	
100 1,3-Dichlorobenzene	146	24.068	24.068	0.000	98	1247575	4.99	4.37	
101 1,4-Dichlorobenzene	146	24.213	24.213	0.000	96	1217482	4.99	4.36	
102 Benzyl chloride	91	24.421	24.421	0.000	100	1050437	4.99	4.50	
104 Undecane	57	24.608	24.608	0.000	92	996662	4.99	5.21	
103 n-Butylbenzene	91	24.630	24.635	-0.005	97	1771724	4.99	4.71	
105 1,2-Dichlorobenzene	146	24.817	24.817	0.000	98	1199685	4.99	4.31	
106 Dodecane	57	26.406	26.406	0.000	94	907645	4.99	5.27	
107 1,2,4-Trichlorobenzene	180	27.706	27.706	0.000	92	890796	4.99	3.95	
108 Hexachlorobutadiene	225	27.904	27.904	0.000	94	974898	4.99	4.14	
109 Naphthalene	128	28.289	28.289	0.000	99	1777404	4.99	4.10	
110 1,2,3-Trichlorobenzene	180	28.851	28.856	-0.005	94	874223	4.99	4.25	

QC Flag Legend

Processing Flags
NC - Not Calibrated

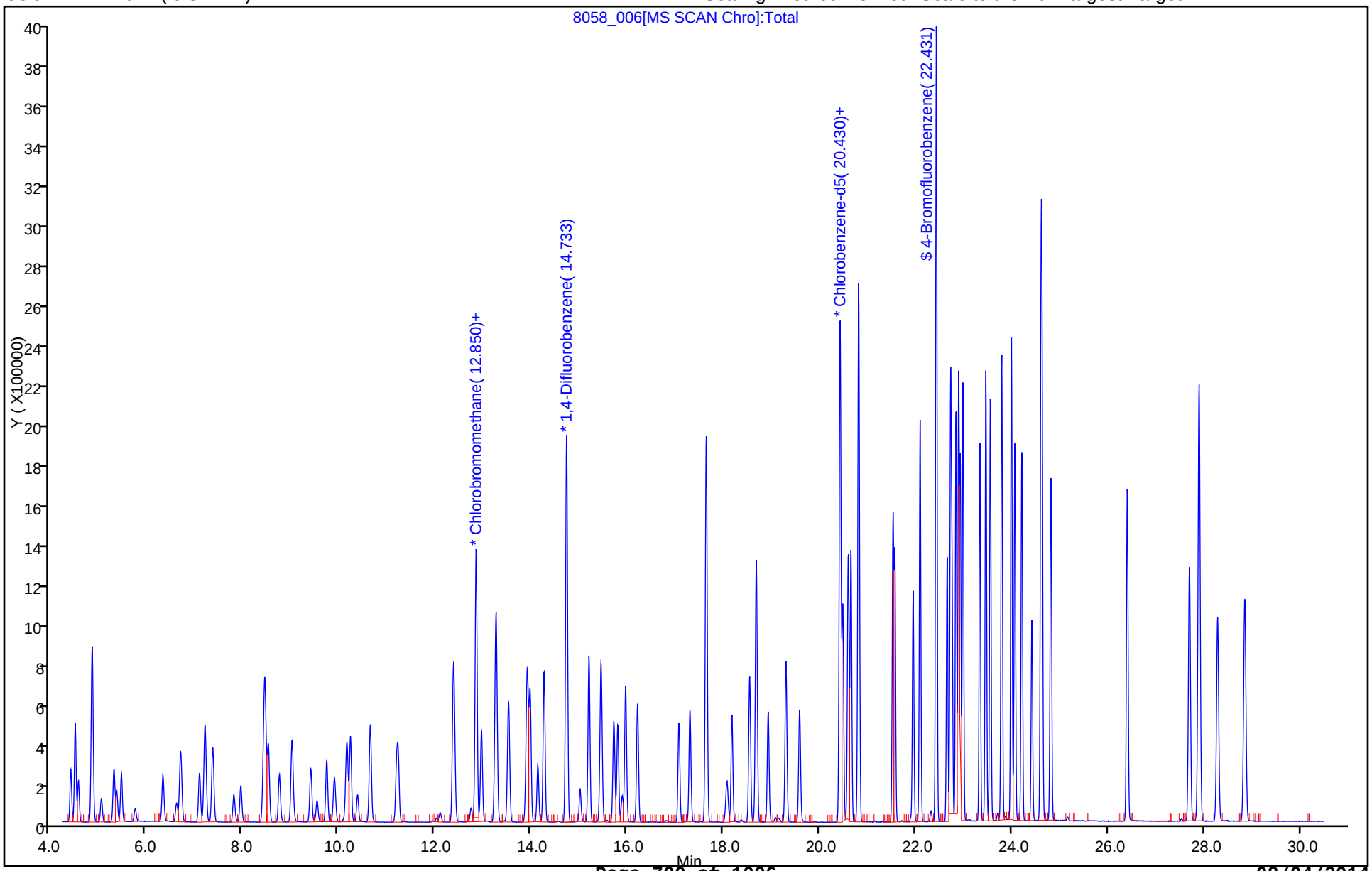
Report Date: 16-Jun-2014 10:40:41 Chrom Revision: 2.2 16-May-2014 10:46:48

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140613-8058.b\8058_006.d

Injection Date:	14-Jun-2014 10:36:30	Instrument ID:	CHW.i	Operator ID:	PAD
Lims ID:	IC			Worklist Smp#:	6
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\20140613-8058.b\8058_007.d
Lims ID: ICIS
Client ID:
Sample Type: ICIS Calib Level: 5
Inject. Date: 14-Jun-2014 11:26:30 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0008058-007
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\20140613-8058.b\TO15_LLNJ_TO3_W_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 17-Jun-2014 09:21:43 Calib Date: 15-Jun-2014 00:33:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20140613-8058.b\8058_017.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK037

First Level Reviewer: lyonsb Date: 17-Jun-2014 09:21:43

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	4.419	4.419	0.000	98	469817	10.0	10.3	
2 Dichlorodifluoromethane	85	4.515	4.515	0.000	88	1933403	10.0	10.6	
6 Chlorodifluoromethane	51	4.579	4.579	0.000	76	961488	10.0	10.6	
7 1,2-Dichloro-1,1,2,2-tetra	85	4.863	4.863	0.000	87	1899518	10.0	10.4	
8 Chloromethane	50	5.061	5.061	0.000	88	558815	10.0	10.4	
9 Butane	43	5.323	5.323	0.000	98	960486	10.0	10.8	
10 Vinyl chloride	62	5.376	5.376	0.000	81	709375	10.0	10.6	
11 Butadiene	54	5.478	5.478	0.000	93	514526	10.0	10.8	
12 Bromomethane	94	6.339	6.339	0.000	99	694003	10.0	10.3	
13 BFB									
14 Chloroethane	64	6.623	6.623	0.000	96	397081	10.0	10.5	
15 2-Methylbutane	43	6.708	6.708	0.000	91	714580	10.0	10.1	
16 Vinyl bromide	106	7.099	7.099	0.000	99	846732	10.0	10.3	
17 Trichlorofluoromethane	101	7.217	7.217	0.000	87	2066602	10.0	10.3	
18 Pentane	43	7.377	7.377	0.000	97	1082869	10.0	10.7	
19 Ethanol	45	7.832	7.832	0.000	99	423144	15.0	16.4	
21 Ethyl ether	59	7.960	7.960	0.000	94	478447	10.0	10.5	
22 Acrolein	56	8.426	8.426	0.000	95	199914	10.0	10.3	
23 1,1,2-Trichloro-1,2,2-trif	101	8.458	8.458	0.000	93	1582240	10.0	10.3	
24 1,1-Dichloroethene	96	8.533	8.533	0.000	85	776062	10.0	10.3	
25 Acetone	43	8.763	8.763	0.000	89	1094199	10.0	11.5	
26 Carbon disulfide	76	9.019	9.019	0.000	98	1911050	10.0	10.2	
27 Isopropyl alcohol	45	9.057	9.057	0.000	98	957457	10.0	12.0	
29 3-Chloro-1-propene	41	9.415	9.415	0.000	90	752218	10.0	10.4	
30 Acetonitrile	41	9.549	9.549	0.000	99	456622	10.0	11.3	
31 Methylene Chloride	49	9.747	9.747	0.000	81	671046	10.0	10.3	
32 2-Methyl-2-propanol	59	9.929	9.929	0.000	99	1348885	10.0	11.7	
33 Methyl tert-butyl ether	73	10.170	10.170	0.000	96	2120966	10.0	10.5	
S 41 1,2-Dichloroethene, Total	61				0		20.0	20.9	
34 trans-1,2-Dichloroethene	61	10.244	10.244	0.000	80	948948	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	10.394	10.394	0.000	96	473690	10.0	10.8	
36 Hexane	57	10.656	10.656	0.000	90	1065615	10.0	9.72	
37 1,1-Dichloroethane	63	11.202	11.202	0.000	94	1263420	10.0	10.6	
38 Vinyl acetate	43	11.240	11.240	0.000	99	1605843	10.0	11.0	
39 cis-1,2-Dichloroethene	96	12.379	12.379	0.000	93	881650	10.0	10.4	
40 2-Butanone (MEK)	72	12.390	12.390	0.000	99	401738	10.0	10.0	
42 Ethyl acetate	88	12.416	12.416	0.000	99	71925	10.0	10.7	
44 Tetrahydrofuran	42	12.855	12.855	0.000	91	705701	10.0	11.0	
* 43 Chlorobromomethane	128	12.860	12.860	0.000	76	621706	10.0	10.0	
45 Chloroform	83	12.967	12.967	0.000	94	1542191	10.0	10.4	
46 Cyclohexane	84	13.267	13.267	0.000	85	1168879	10.0	10.4	
47 1,1,1-Trichloroethane	97	13.278	13.278	0.000	93	1662042	10.0	10.4	
48 Carbon tetrachloride	117	13.535	13.535	0.000	89	1844146	10.0	10.5	
51 Isooctane	57	13.920	13.920	0.000	99	3559291	10.0	10.6	
50 Benzene	78	13.984	13.984	0.000	93	2442468	10.0	10.3	
52 1,2-Dichloroethane	62	14.144	14.144	0.000	92	921601	10.0	10.5	
53 n-Heptane	43	14.273	14.273	0.000	87	1196799	10.0	9.87	
* 54 1,4-Difluorobenzene	114	14.744	14.744	0.000	92	3022390	10.0	10.0	
A 57 GRO	1	14.776	(6.698-22.853)		0	314780732	10.0	0	
55 n-Butanol	56	15.027	15.027	0.000	84	429267	10.0	11.3	
56 Trichloroethene	95	15.209	15.209	0.000	89	1130167	10.0	10.2	
58 1,2-Dichloropropane	63	15.723	15.723	0.000	93	852063	10.0	10.5	
59 Methyl methacrylate	69	15.808	15.808	0.000	81	863230	10.0	10.8	
60 1,4-Dioxane	88	15.899	15.899	0.000	86	490757	10.0	12.0	
61 Dibromomethane	174	15.969	15.969	0.000	88	1355809	10.0	10.3	
62 Dichlorobromomethane	83	16.215	16.215	0.000	95	1699009	10.0	10.7	
A 63 TVOC as Toluene	92	16.637	(4.409-28.866)		0	557231860	10.0	2594.4	
64 cis-1,3-Dichloropropene	75	17.076	17.076	0.000	84	1319964	10.0	10.8	
65 4-Methyl-2-pentanone (MIBK	43	17.311	17.311	0.000	93	1551269	10.0	11.1	
69 n-Octane	43	17.643	17.643	0.000	87	1613015	10.0	10.3	
A 68 C8 Range	1	17.643	(17.593-17.693)		0	14038224	NC	NC	
66 Toluene	92	17.648	17.648	0.000	94	1935272	10.0	9.79	
A 67 Toluene Range	92	17.648	(17.608-17.688)		0	14038224	10.0	71.0	
70 trans-1,3-Dichloropropene	75	18.183	18.183	0.000	92	1334289	10.0	11.0	
71 1,1,2-Trichloroethane	83	18.553	18.553	0.000	93	886121	10.0	10.4	
72 Tetrachloroethene	166	18.686	18.686	0.000	89	2088563	10.0	10.2	
73 2-Hexanone	43	18.932	18.932	0.000	93	1481133	10.0	11.0	
74 Chlorodibromomethane	129	19.307	19.307	0.000	96	2133863	10.0	10.9	
75 Ethylene Dibromide	107	19.590	19.590	0.000	99	1766627	10.0	10.6	
S 82 Xylenes, Total	106				0		30.0	32.4	
* 76 Chlorobenzene-d5	117	20.430	20.430	0.000	80	2781609	10.0	10.0	
77 Chlorobenzene	112	20.489	20.489	0.000	98	2828706	10.0	10.4	
78 Ethylbenzene	91	20.601	20.601	0.000	95	4157719	10.0	10.6	
79 n-Nonane	57	20.655	20.655	0.000	83	1725249	10.0	10.3	
80 m-Xylene & p-Xylene	106	20.821	20.821	0.000	97	3646323	20.0	21.7	
83 o-Xylene	106	21.532	21.532	0.000	96	1836715	10.0	10.7	
84 Styrene	104	21.570	21.570	0.000	97	2824642	10.0	11.3	
85 Bromoform	173	21.950	21.950	0.000	99	2378879	10.0	11.3	
86 Isopropylbenzene	105	22.094	22.094	0.000	94	5061976	10.0	10.8	
$ 87 4-Bromofluorobenzene	95	22.436	22.436	0.000	97	1849758	NC	NC	
88 1,1,2,2-Tetrachloroethane	83	22.661	22.661	0.000	92	2329893	10.0	10.8	
90 N-Propylbenzene	91	22.731	22.731	0.000	98	5745350	10.0	11.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
89 1,2,3-Trichloropropane	75	22.763	22.763	0.000	94	1811073	10.0	10.9	
93 n-Decane	57	22.843	22.843	0.000	83	2283318	10.0	11.2	
91 4-Ethyltoluene	105	22.897	22.897	0.000	84	5131642	10.0	11.0	
92 2-Chlorotoluene	91	22.934	22.934	0.000	91	4106250	10.0	10.8	
94 1,3,5-Trimethylbenzene	105	22.987	22.987	0.000	86	4339590	10.0	10.9	
95 Alpha Methyl Styrene	118	23.341	23.341	0.000	90	2411568	10.0	12.0	
96 tert-Butylbenzene	119	23.469	23.469	0.000	92	4412729	10.0	10.8	
97 1,2,4-Trimethylbenzene	105	23.560	23.560	0.000	95	4369672	10.0	10.9	
98 sec-Butylbenzene	105	23.795	23.795	0.000	98	6257024	10.0	10.9	
99 4-Isopropyltoluene	119	23.999	23.999	0.000	94	5608679	10.0	11.0	
100 1,3-Dichlorobenzene	146	24.068	24.068	0.000	98	3433407	10.0	11.1	
101 1,4-Dichlorobenzene	146	24.213	24.213	0.000	96	3407885	10.0	11.2	
102 Benzyl chloride	91	24.421	24.421	0.000	100	2822199	10.0	11.1	
104 Undecane	57	24.608	24.608	0.000	91	2500936	10.0	12.0	
103 n-Butylbenzene	91	24.635	24.635	0.000	97	4597886	10.0	11.2	
105 1,2-Dichlorobenzene	146	24.817	24.817	0.000	98	3260124	10.0	10.8	
106 Dodecane	57	26.406	26.406	0.000	93	2456241	10.0	13.1	
107 1,2,4-Trichlorobenzene	180	27.706	27.706	0.000	92	2749600	10.0	11.2	
108 Hexachlorobutadiene	225	27.904	27.904	0.000	95	2771121	10.0	10.8	
109 Naphthalene	128	28.289	28.289	0.000	99	5658932	10.0	12.0	
110 1,2,3-Trichlorobenzene	180	28.856	28.856	0.000	94	2608308	10.0	11.7	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

ATTO15CAL4w_00362	Amount Added: 200.00	Units: mL	
ATTO15WISs_00003	Amount Added: 20.00	Units: mL	Run Reagent

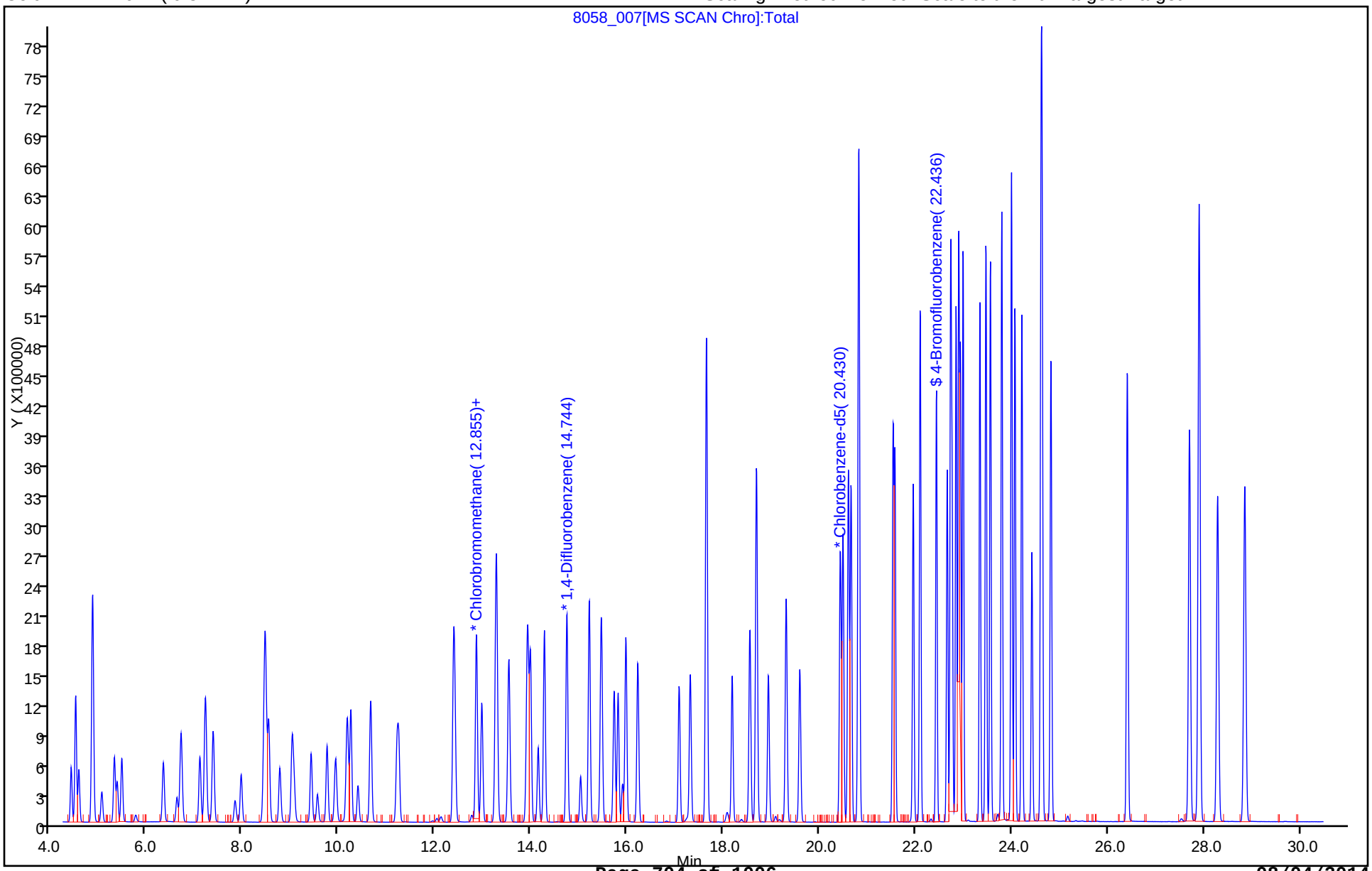
Report Date: 17-Jun-2014 09:21:44 Chrom Revision: 2.2 12-Jun-2014 08:49:30

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140613-8058.b\8058_007.d

Injection Date:	14-Jun-2014 11:26:30	Instrument ID:	CHW.i	Operator ID:	PAD
Lims ID:	ICIS			Worklist Smp#:	7
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\20140613-8058.b\8058_008.d
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 14-Jun-2014 12:16:30 ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0008058-008
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\20140613-8058.b\TO15_LLNJ_TO3_W_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 16-Jun-2014 10:40:43 Calib Date: 15-Jun-2014 00:33:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20140613-8058.b\8058_017.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK030

First Level Reviewer: daiglep Date: 16-Jun-2014 09:59:07

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	4.413	4.419	-0.006	98	692857	15.0	14.6	
2 Dichlorodifluoromethane	85	4.504	4.515	-0.011	88	2910832	15.0	15.4	
6 Chlorodifluoromethane	51	4.569	4.579	-0.010	76	1440544	15.0	15.3	
7 1,2-Dichloro-1,1,2,2-tetra	85	4.857	4.863	-0.006	87	2859089	15.0	15.2	
8 Chloromethane	50	5.050	5.061	-0.011	89	843772	15.0	15.1	
9 Butane	43	5.312	5.323	-0.011	98	1411470	15.0	15.3	
10 Vinyl chloride	62	5.371	5.376	-0.005	81	1071516	15.0	15.5	
11 Butadiene	54	5.467	5.478	-0.011	94	769038	15.0	15.6	
12 Bromomethane	94	6.334	6.339	-0.005	99	1034511	15.0	14.9	
13 BFB									
14 Chloroethane	64	6.618	6.623	-0.005	96	610178	15.0	15.6	
15 2-Methylbutane	43	6.698	6.708	-0.010	92	1068305	15.0	14.6	
16 Vinyl bromide	106	7.094	7.099	-0.005	98	1317386	15.0	15.4	
17 Trichlorofluoromethane	101	7.211	7.217	-0.006	87	3166856	15.0	15.2	
18 Pentane	43	7.366	7.377	-0.011	97	1613354	15.0	15.3	
19 Ethanol	45	7.810	7.832	-0.022	99	526428	20.0	19.6	
21 Ethyl ether	59	7.950	7.960	-0.010	94	729054	15.0	15.5	
22 Acrolein	56	8.415	8.426	-0.011	96	311843	15.0	15.6	
23 1,1,2-Trichloro-1,2,2-trif	101	8.447	8.458	-0.011	93	2443487	15.0	15.3	
24 1,1-Dichloroethene	96	8.527	8.533	-0.006	85	1201494	15.0	15.4	
25 Acetone	43	8.752	8.763	-0.011	91	1467844	15.0	14.9	
26 Carbon disulfide	76	9.014	9.019	-0.005	98	2879345	15.0	14.8	
27 Isopropyl alcohol	45	9.041	9.057	-0.016	97	1274876	15.0	15.4	
29 3-Chloro-1-propene	41	9.410	9.415	-0.005	90	1163542	15.0	15.5	
30 Acetonitrile	41	9.538	9.549	-0.011	100	660902	15.0	15.7	
31 Methylene Chloride	49	9.742	9.747	-0.005	81	1006237	15.0	14.9	
32 2-Methyl-2-propanol	59	9.908	9.929	-0.021	99	1863403	15.0	15.5	
33 Methyl tert-butyl ether	73	10.159	10.170	-0.011	96	3256093	15.0	15.6	
S 41 1,2-Dichloroethene, Total	61				0		30.0	30.8	
34 trans-1,2-Dichloroethene	61	10.239	10.244	-0.005	79	1443844	15.0	15.4	

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	10.384	10.394	-0.010	96	712427	15.0	15.6	
36 Hexane	57	10.651	10.656	-0.005	89	1615681	15.0	14.2	
37 1,1-Dichloroethane	63	11.197	11.202	-0.005	94	1912064	15.0	15.4	
38 Vinyl acetate	43	11.234	11.240	-0.006	99	2416387	15.0	15.9	
39 cis-1,2-Dichloroethene	96	12.374	12.379	-0.005	91	1352225	15.0	15.4	
40 2-Butanone (MEK)	72	12.384	12.390	-0.006	100	608947	15.0	14.7	
42 Ethyl acetate	88	12.406	12.416	-0.010	99	109767	15.0	15.7	
44 Tetrahydrofuran	42	12.845	12.855	-0.010	91	1039410	15.0	15.8	
* 43 Chlorobromomethane	128	12.855	12.860	-0.005	77	644888	10.0	10.0	
45 Chloroform	83	12.968	12.967	0.001	94	2358421	15.0	15.4	
46 Cyclohexane	84	13.262	13.267	-0.005	85	1800908	15.0	15.6	
47 1,1,1-Trichloroethane	97	13.273	13.278	-0.005	92	2561294	15.0	15.6	
48 Carbon tetrachloride	117	13.529	13.535	-0.006	89	2874816	15.0	16.0	
51 Isooctane	57	13.920	13.920	0.000	99	5334952	15.0	15.5	
50 Benzene	78	13.979	13.984	-0.005	92	3739090	15.0	15.3	
52 1,2-Dichloroethane	62	14.139	14.144	-0.005	91	1393139	15.0	15.5	
53 n-Heptane	43	14.268	14.273	-0.005	86	1773580	15.0	14.2	
* 54 1,4-Difluorobenzene	114	14.738	14.744	-0.006	92	3106006	10.0	10.0	
A 57 GRO	1	14.776	(6.698-22.853)		0	475383737	15.0	0	
55 n-Butanol	56	15.017	15.027	-0.010	84	627214	15.0	16.1	
56 Trichloroethene	95	15.204	15.209	-0.005	88	1747105	15.0	15.3	
58 1,2-Dichloropropane	63	15.723	15.723	0.000	93	1302619	15.0	15.6	
59 Methyl methacrylate	69	15.803	15.808	-0.005	80	1335036	15.0	16.2	
60 1,4-Dioxane	88	15.894	15.899	-0.005	85	653911	15.0	15.5	
61 Dibromomethane	174	15.969	15.969	0.000	87	2147639	15.0	15.9	
62 Dichlorobromomethane	83	16.215	16.215	0.000	95	2613934	15.0	16.1	
A 63 TVOC as Toluene	92	16.637	(4.409-28.866)		0	837017342	15.0	3792.1	
64 cis-1,3-Dichloropropene	75	17.076	17.076	0.000	83	2047179	15.0	16.3	
65 4-Methyl-2-pentanone (MIBK	43	17.306	17.311	-0.005	92	2261803	15.0	15.8	
69 n-Octane	43	17.638	17.643	-0.005	86	2308838	15.0	14.4	
A 68 C8 Range	1	17.643	(17.593-17.693)		0	20881099	NC	NC	
66 Toluene	92	17.649	17.648	0.001	94	2936589	15.0	14.5	
A 67 Toluene Range	92	17.648	(17.608-17.688)		0	20881099	15.0	103.2	
70 trans-1,3-Dichloropropene	75	18.178	18.183	-0.005	91	2063052	15.0	16.6	
71 1,1,2-Trichloroethane	83	18.547	18.553	-0.006	92	1359121	15.0	15.6	
72 Tetrachloroethene	166	18.686	18.686	0.000	89	3285183	15.0	15.7	
73 2-Hexanone	43	18.933	18.932	0.001	92	2157179	15.0	15.7	
74 Chlorodibromomethane	129	19.307	19.307	0.000	96	3357225	15.0	16.7	
75 Ethylene Dibromide	107	19.591	19.590	0.001	99	2736481	15.0	16.0	
S 82 Xylenes, Total	106				0		45.0	47.9	
* 76 Chlorobenzene-d5	117	20.430	20.430	0.000	80	2848051	10.0	10.0	
77 Chlorobenzene	112	20.489	20.489	0.000	97	4352768	15.0	15.6	
78 Ethylbenzene	91	20.602	20.601	0.001	95	6302731	15.0	15.7	
79 n-Nonane	57	20.655	20.655	0.000	83	2556824	15.0	14.9	
80 m-Xylene & p-Xylene	106	20.816	20.821	-0.005	97	5485150	30.0	31.9	
83 o-Xylene	106	21.532	21.532	0.000	96	2806217	15.0	16.0	
84 Styrene	104	21.570	21.570	0.000	98	4299320	15.0	16.9	
85 Bromoform	173	21.950	21.950	0.000	99	3812482	15.0	17.6	
86 Isopropylbenzene	105	22.094	22.094	0.000	94	7628058	15.0	15.9	
$ 87 4-Bromofluorobenzene	95	22.431	22.436	-0.005	97	1884923	NC	NC	
88 1,1,2,2-Tetrachloroethane	83	22.661	22.661	0.000	92	3503138	15.0	15.9	
90 N-Propylbenzene	91	22.731	22.731	0.000	96	8489813	15.0	15.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
89 1,2,3-Trichloropropane	75	22.763	22.763	0.000	86	2693181	15.0	15.8	
93 n-Decane	57	22.843	22.843	0.000	82	3334014	15.0	16.0	
91 4-Ethyltoluene	105	22.902	22.897	0.005	83	7651300	15.0	16.0	
92 2-Chlorotoluene	91	22.934	22.934	0.000	91	6137873	15.0	15.7	
94 1,3,5-Trimethylbenzene	105	22.993	22.987	0.006	87	6540016	15.0	16.0	
95 Alpha Methyl Styrene	118	23.341	23.341	0.000	90	3707868	15.0	18.0	
96 tert-Butylbenzene	119	23.469	23.469	0.000	92	6674529	15.0	15.9	
97 1,2,4-Trimethylbenzene	105	23.560	23.560	0.000	95	6576813	15.0	16.0	
98 sec-Butylbenzene	105	23.795	23.795	0.000	97	9290663	15.0	15.9	
99 4-Isopropyltoluene	119	23.999	23.999	0.000	93	8409771	15.0	16.2	
100 1,3-Dichlorobenzene	146	24.068	24.068	0.000	98	5237605	15.0	16.5	
101 1,4-Dichlorobenzene	146	24.213	24.213	0.000	96	5180659	15.0	16.7	
102 Benzyl chloride	91	24.421	24.421	0.000	99	4834437	15.0	18.6	
104 Undecane	57	24.609	24.608	0.001	90	3487267	15.0	16.4	
103 n-Butylbenzene	91	24.635	24.635	0.000	97	6707811	15.0	16.0	
105 1,2-Dichlorobenzene	146	24.823	24.817	0.006	98	5006056	15.0	16.2	
106 Dodecane	57	26.411	26.406	0.005	92	3279874	15.0	17.1	
107 1,2,4-Trichlorobenzene	180	27.706	27.706	0.000	92	4092050	15.0	16.3	
108 Hexachlorobutadiene	225	27.904	27.904	0.000	95	4331819	15.0	16.5	
109 Naphthalene	128	28.289	28.289	0.000	99	7639569	15.0	15.8	
110 1,2,3-Trichlorobenzene	180	28.856	28.856	0.000	94	3751034	15.0	16.4	

QC Flag Legend

Processing Flags
NC - Not Calibrated

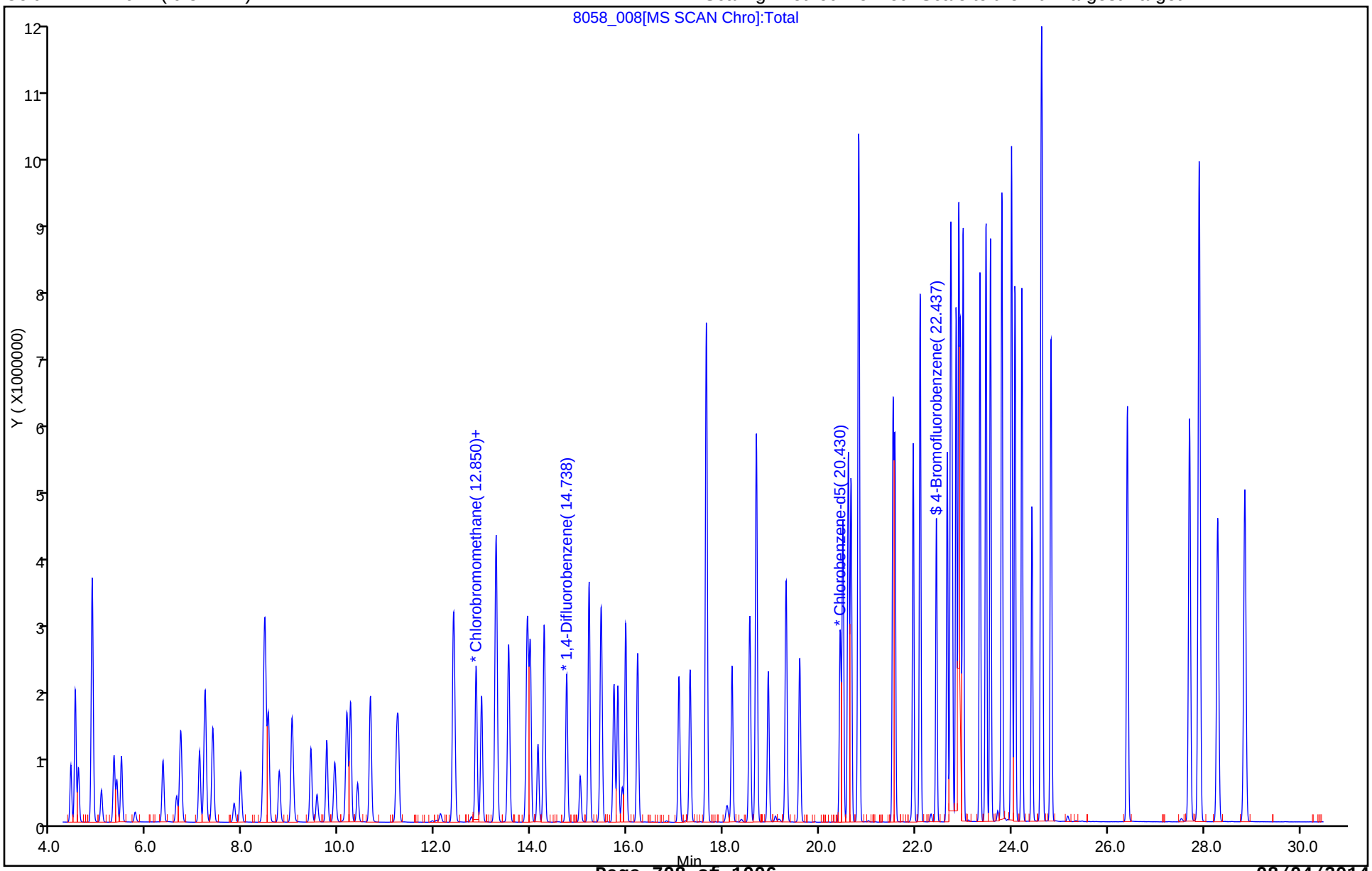
Report Date: 16-Jun-2014 10:40:43 Chrom Revision: 2.2 16-May-2014 10:46:48

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140613-8058.b\8058_008.d

Injection Date:	14-Jun-2014 12:16:30	Instrument ID:	CHW.i	Operator ID:	PAD
Lims ID:	IC			Worklist Smp#:	8
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\20140613-8058.b\8058_009.d
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 14-Jun-2014 13:06:30 ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0008058-009
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\20140613-8058.b\TO15_LLNJ_TO3_W_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 16-Jun-2014 10:40:44 Calib Date: 15-Jun-2014 00:33:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20140613-8058.b\8058_017.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK030

First Level Reviewer: daiglep Date: 16-Jun-2014 10:00:13

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	4.413	4.419	-0.006	98	951503	20.0	18.7	
2 Dichlorodifluoromethane	85	4.510	4.515	-0.005	88	4061763	20.0	20.0	
6 Chlorodifluoromethane	51	4.574	4.579	-0.005	76	1977624	20.0	19.5	
7 1,2-Dichloro-1,1,2,2-tetra	85	4.857	4.863	-0.006	85	3999205	20.0	19.7	
8 Chloromethane	50	5.055	5.061	-0.006	88	1166980	20.0	19.5	
9 Butane	43	5.317	5.323	-0.006	98	1955904	20.0	19.7	
10 Vinyl chloride	62	5.371	5.376	-0.005	81	1500404	20.0	20.2	
11 Butadiene	54	5.472	5.478	-0.006	92	1080934	20.0	20.4	
12 Bromomethane	94	6.334	6.339	-0.005	99	1465810	20.0	19.6	
13 BFB									
14 Chloroethane	64	6.617	6.623	-0.006	96	837573	20.0	19.9	
15 2-Methylbutane	43	6.703	6.708	-0.005	91	1444837	20.0	18.3	
16 Vinyl bromide	106	7.093	7.099	-0.006	99	1888632	20.0	20.6	
17 Trichlorofluoromethane	101	7.211	7.217	-0.006	86	4478206	20.0	20.0	
18 Pentane	43	7.372	7.377	-0.005	96	2205967	20.0	19.5	
19 Ethanol	45	7.832	7.832	0.000	99	1057254	40.0	36.7	
21 Ethyl ether	59	7.960	7.960	0.000	93	1017137	20.0	20.1	
22 Acrolein	56	8.420	8.426	-0.006	95	466890	20.0	21.7	
23 1,1,2-Trichloro-1,2,2-trif	101	8.452	8.458	-0.006	92	3460270	20.0	20.2	
24 1,1-Dichloroethene	96	8.533	8.533	-0.001	83	1717262	20.0	20.4	
25 Acetone	43	8.763	8.763	0.000	90	2026274	20.0	19.2	
26 Carbon disulfide	76	9.014	9.019	-0.005	98	4047890	20.0	19.3	
27 Isopropyl alcohol	45	9.062	9.057	0.005	99	1734629	20.0	19.4	
29 3-Chloro-1-propene	41	9.415	9.415	0.000	89	1602291	20.0	19.9	
30 Acetonitrile	41	9.544	9.549	-0.005	100	890921	20.0	19.8	
31 Methylene Chloride	49	9.747	9.747	0.000	79	1402836	20.0	19.3	
32 2-Methyl-2-propanol	59	9.934	9.929	0.005	99	2616375	20.0	20.3	
33 Methyl tert-butyl ether	73	10.170	10.170	0.000	96	4597376	20.0	20.5	
S 41 1,2-Dichloroethene, Total	61				0		40.0	40.3	
34 trans-1,2-Dichloroethene	61	10.239	10.244	-0.005	79	2014404	20.0	20.0	

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	10.389	10.394	-0.005	95	1001401	20.0	20.4	
36 Hexane	57	10.651	10.656	-0.005	88	2252142	20.0	18.4	
37 1,1-Dichloroethane	63	11.202	11.202	0.000	94	2677573	20.0	20.1	
38 Vinyl acetate	43	11.245	11.240	0.005	99	3303385	20.0	20.2	
39 cis-1,2-Dichloroethene	96	12.379	12.379	0.000	90	1922125	20.0	20.3	
40 2-Butanone (MEK)	72	12.395	12.390	0.005	99	851760	20.0	19.1	
42 Ethyl acetate	88	12.416	12.416	0.000	98	158528	20.0	21.1	
44 Tetrahydrofuran	42	12.855	12.855	0.000	89	1422715	20.0	20.0	
* 43 Chlorobromomethane	128	12.860	12.860	0.000	79	692916	10.0	10.0	
45 Chloroform	83	12.973	12.967	0.006	93	3320360	20.0	20.1	
46 Cyclohexane	84	13.262	13.267	-0.005	84	2530869	20.0	20.4	
47 1,1,1-Trichloroethane	97	13.278	13.278	0.000	92	3634554	20.0	20.5	
48 Carbon tetrachloride	117	13.534	13.535	-0.001	89	4012020	20.0	20.7	
51 Isooctane	57	13.925	13.920	0.005	99	7351362	20.0	19.8	
50 Benzene	78	13.984	13.984	0.000	92	5240982	20.0	19.9	
52 1,2-Dichloroethane	62	14.144	14.144	0.000	91	1938565	20.0	20.0	
53 n-Heptane	43	14.273	14.273	0.000	85	2404421	20.0	17.9	
* 54 1,4-Difluorobenzene	114	14.744	14.744	0.000	92	3350769	10.0	10.0	
A 57 GRO	1	14.776	(6.698-22.853)		0	663391564	20.0	0	
55 n-Butanol	56	15.027	15.027	0.000	83	835337	20.0	19.8	
56 Trichloroethene	95	15.209	15.209	0.000	88	2472001	20.0	20.1	
58 1,2-Dichloropropane	63	15.728	15.723	0.005	93	1820493	20.0	20.2	
59 Methyl methacrylate	69	15.808	15.808	0.000	79	1872071	20.0	21.0	
60 1,4-Dioxane	88	15.904	15.899	0.005	85	901913	20.0	19.9	
61 Dibromomethane	174	15.969	15.969	0.000	86	3134433	20.0	21.5	
62 Dichlorobromomethane	83	16.220	16.215	0.005	94	3684023	20.0	21.0	
A 63 TVOC as Toluene	92	16.637	(4.409-28.866)		0	1152666928	20.0	4840.7	
64 cis-1,3-Dichloropropene	75	17.081	17.076	0.005	82	2903522	20.0	21.5	
65 4-Methyl-2-pentanone (MIBK	43	17.311	17.311	0.000	92	3076004	20.0	19.9	
69 n-Octane	43	17.643	17.643	0.000	84	3015372	20.0	17.4	
A 68 C8 Range	1	17.643	(17.593-17.693)		0	28283497	NC	NC	
66 Toluene	92	17.654	17.648	0.006	94	4054395	20.0	18.7	
A 67 Toluene Range	92	17.648	(17.608-17.688)		0	28283497	20.0	130.4	
70 trans-1,3-Dichloropropene	75	18.183	18.183	0.000	91	2938865	20.0	21.9	
71 1,1,2-Trichloroethane	83	18.553	18.553	-0.001	92	1909935	20.0	20.4	
72 Tetrachloroethene	166	18.692	18.686	0.006	88	4725517	20.0	21.0	
73 2-Hexanone	43	18.938	18.932	0.006	91	2937185	20.0	20.0	
74 Chlorodibromomethane	129	19.307	19.307	0.000	96	4821729	20.0	22.3	
75 Ethylene Dibromide	107	19.590	19.590	0.000	99	3875155	20.0	21.2	
S 82 Xylenes, Total	106				0		60.0	61.3	
* 76 Chlorobenzene-d5	117	20.436	20.430	0.006	80	3053022	10.0	10.0	
77 Chlorobenzene	112	20.489	20.489	0.000	98	6143539	20.0	20.5	
78 Ethylbenzene	91	20.601	20.601	0.000	94	8674873	20.0	20.1	
79 n-Nonane	57	20.660	20.655	0.005	82	3458850	20.0	18.9	
80 m-Xylene & p-Xylene	106	20.821	20.821	0.000	96	7451684	40.0	40.4	
83 o-Xylene	106	21.538	21.532	0.006	97	3923558	20.0	20.8	
84 Styrene	104	21.575	21.570	0.005	98	5737755	20.0	21.0	
85 Bromoform	173	21.955	21.950	0.005	98	5452167	20.0	23.5	
86 Isopropylbenzene	105	22.099	22.094	0.005	94	10356587	20.0	20.1	
$ 87 4-Bromofluorobenzene	95	22.436	22.436	0.000	97	2009070	NC	NC	
88 1,1,2,2-Tetrachloroethane	83	22.661	22.661	0.000	91	4823035	20.0	20.4	
90 N-Propylbenzene	91	22.731	22.731	0.000	97	11296326	20.0	19.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
89 1,2,3-Trichloropropane	75	22.763	22.763	0.000	86	3689873	20.0	20.2	
93 n-Decane	57	22.843	22.843	0.000	81	4398332	20.0	19.6	
91 4-Ethyltoluene	105	22.896	22.897	-0.001	93	10307652	20.0	20.1	
92 2-Chlorotoluene	91	22.934	22.934	0.000	90	8415712	20.0	20.1	
94 1,3,5-Trimethylbenzene	105	22.993	22.987	0.006	87	8867452	20.0	20.3	
95 Alpha Methyl Styrene	118	23.340	23.341	-0.001	90	3925078	20.0	17.7	
96 tert-Butylbenzene	119	23.469	23.469	0.000	92	9154073	20.0	20.3	
97 1,2,4-Trimethylbenzene	105	23.560	23.560	0.000	95	8982477	20.0	20.4	
98 sec-Butylbenzene	105	23.795	23.795	0.000	96	12402136	20.0	19.8	
99 4-Isopropyltoluene	119	23.999	23.999	-0.001	91	11268593	20.0	20.2	
100 1,3-Dichlorobenzene	146	24.068	24.068	0.000	97	7372882	20.0	21.7	
101 1,4-Dichlorobenzene	146	24.212	24.213	-0.001	96	7317633	20.0	22.0	
102 Benzyl chloride	91	24.421	24.421	0.000	99	6942988	20.0	25.0	
104 Undecane	57	24.608	24.608	0.000	89	4325990	20.0	19.0	
103 n-Butylbenzene	91	24.635	24.635	0.000	97	8834923	20.0	19.7	
105 1,2-Dichlorobenzene	146	24.817	24.817	0.000	98	7063418	20.0	21.3	
106 Dodecane	57	26.411	26.406	0.005	91	3909122	20.0	19.0	
107 1,2,4-Trichlorobenzene	180	27.706	27.706	0.000	92	5843441	20.0	21.7	
108 Hexachlorobutadiene	225	27.904	27.904	0.000	95	5927691	20.0	21.1	
109 Naphthalene	128	28.289	28.289	0.000	99	10505873	20.0	20.3	
110 1,2,3-Trichlorobenzene	180	28.856	28.856	0.000	94	5288687	20.0	21.6	

QC Flag Legend

Processing Flags
NC - Not Calibrated

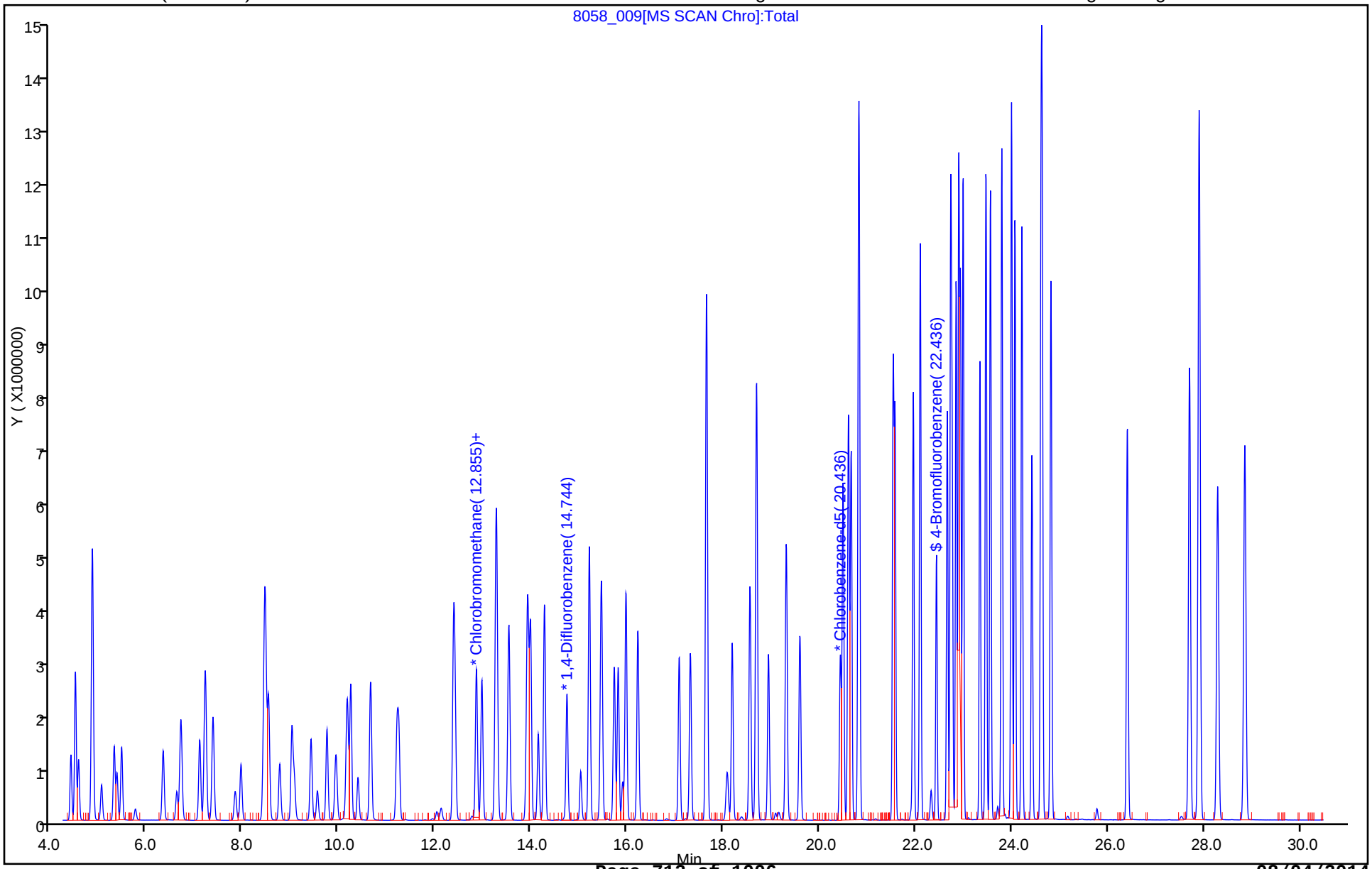
Report Date: 16-Jun-2014 10:40:44 Chrom Revision: 2.2 16-May-2014 10:46:48

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140613-8058.b\8058_009.d

Injection Date:	14-Jun-2014 13:06:30	Instrument ID:	CHW.i	Operator ID:	PAD
Lims ID:	IC			Worklist Smp#:	9
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



TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140613-8058.b\8058_010.d
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 14-Jun-2014 13:56:30 ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0008058-010
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\20140613-8058.b\TO15_LLNJ_TO3_W_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 16-Jun-2014 10:40:45 Calib Date: 15-Jun-2014 00:33:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20140613-8058.b\8058_017.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK030

First Level Reviewer: daiglep Date: 16-Jun-2014 10:01:21

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	4.408	4.419	-0.011	99	1771444	40.0	33.4	
2 Dichlorodifluoromethane	85	4.504	4.515	-0.011	87	7608629	40.0	36.1	
6 Chlorodifluoromethane	51	4.568	4.579	-0.011	76	3737410	40.0	35.4	
7 1,2-Dichloro-1,1,2,2-tetra	85	4.857	4.863	-0.006	83	7449174	40.0	35.3	
8 Chloromethane	50	5.050	5.061	-0.011	88	2247763	40.0	36.0	
9 Butane	43	5.312	5.323	-0.011	98	3587962	40.0	34.7	
10 Vinyl chloride	62	5.371	5.376	-0.005	81	2850110	40.0	36.8	
11 Butadiene	54	5.467	5.478	-0.011	92	2009737	40.0	36.5	
12 Bromomethane	94	6.334	6.339	-0.005	99	2763377	40.0	35.5	
13 BFB									
14 Chloroethane	64	6.612	6.623	-0.011	96	1664221	40.0	38.0	
15 2-Methylbutane	43	6.698	6.708	-0.010	91	2757769	40.0	33.6	
16 Vinyl bromide	106	7.093	7.099	-0.006	99	3680703	40.0	38.6	
17 Trichlorofluoromethane	101	7.211	7.217	-0.006	86	8531996	40.0	36.7	
18 Pentane	43	7.366	7.377	-0.011	96	4126826	40.0	35.0	
19 Ethanol	45	7.832	7.832	0.000	99	2329022	100.0	77.7	
21 Ethyl ether	59	7.949	7.960	-0.011	92	1961106	40.0	37.2	
22 Acrolein	56	8.415	8.426	-0.011	96	823251	40.0	36.7	
23 1,1,2-Trichloro-1,2,2-trif	101	8.452	8.458	-0.006	91	6592500	40.0	37.0	
24 1,1-Dichloroethene	96	8.527	8.533	-0.006	83	3351521	40.0	38.3	
25 Acetone	43	8.757	8.763	-0.006	90	3381803	40.0	30.7	
26 Carbon disulfide	76	9.014	9.019	-0.005	98	7720723	40.0	35.4	
27 Isopropyl alcohol	45	9.057	9.057	0.000	98	3159644	40.0	34.0	
29 3-Chloro-1-propene	41	9.410	9.415	-0.005	88	3020811	40.0	36.0	
30 Acetonitrile	41	9.544	9.549	-0.005	100	1671451	40.0	35.6	
31 Methylene Chloride	49	9.742	9.747	-0.005	78	2633913	40.0	34.9	
32 2-Methyl-2-propanol	59	9.929	9.929	0.000	99	4872730	40.0	36.3	
33 Methyl tert-butyl ether	73	10.164	10.170	-0.006	95	8803355	40.0	37.7	
S 41 1,2-Dichloroethene, Total	61				0		80.0	73.9	
34 trans-1,2-Dichloroethene	61	10.239	10.244	-0.005	77	3841124	40.0	36.6	

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	10.389	10.394	-0.005	96	1928594	40.0	37.8	
36 Hexane	57	10.651	10.656	-0.005	87	4239416	40.0	33.3	
37 1,1-Dichloroethane	63	11.202	11.202	0.000	94	5048951	40.0	36.4	
38 Vinyl acetate	43	11.239	11.240	-0.001	99	6139398	40.0	36.1	
39 cis-1,2-Dichloroethene	96	12.374	12.379	-0.005	90	3664569	40.0	37.3	
40 2-Butanone (MEK)	72	12.390	12.390	0.000	100	1551517	40.0	33.4	
42 Ethyl acetate	88	12.416	12.416	0.000	98	305628	40.0	39.1	
44 Tetrahydrofuran	42	12.850	12.855	-0.005	87	2674556	40.0	37.1	
* 43 Chlorobromomethane	128	12.860	12.860	0.000	69	721174	10.0	10.0	
45 Chloroform	83	12.967	12.967	0.000	93	6343073	40.0	36.9	
46 Cyclohexane	84	13.262	13.267	-0.005	83	4697055	40.0	37.3	
47 1,1,1-Trichloroethane	97	13.278	13.278	0.000	92	6873978	40.0	38.3	
48 Carbon tetrachloride	117	13.529	13.535	-0.006	90	8010150	40.0	40.7	
51 Isooctane	57	13.925	13.920	0.005	98	13192719	40.0	34.9	
50 Benzene	78	13.984	13.984	0.000	94	9720994	40.0	36.4	
52 1,2-Dichloroethane	62	14.144	14.144	0.000	91	3704274	40.0	37.6	
53 n-Heptane	43	14.273	14.273	0.000	83	4302203	40.0	31.5	
* 54 1,4-Difluorobenzene	114	14.738	14.744	-0.006	92	3400730	10.0	10.0	
A 57 GRO	1	14.776	(6.698-22.853)		0	1210764662	40.0	0	
55 n-Butanol	56	15.027	15.027	0.000	82	1639585	40.0	38.4	
56 Trichloroethene	95	15.209	15.209	0.000	88	4703106	40.0	37.6	
58 1,2-Dichloropropane	63	15.728	15.723	0.005	92	3465686	40.0	37.8	
59 Methyl methacrylate	69	15.808	15.808	0.000	78	3602894	40.0	39.9	
60 1,4-Dioxane	88	15.899	15.899	0.000	84	1657574	40.0	36.0	
61 Dibromomethane	174	15.969	15.969	0.000	85	6160960	40.0	41.6	
62 Dichlorobromomethane	83	16.220	16.215	0.005	94	6999443	40.0	39.3	
A 63 TVOC as Toluene	92	16.637	(4.409-28.866)		0	2089349569	40.0	8645.4	
64 cis-1,3-Dichloropropene	75	17.081	17.076	0.005	82	5578997	40.0	40.7	
65 4-Methyl-2-pentanone (MIBK	43	17.311	17.311	0.000	90	5592620	40.0	35.7	
69 n-Octane	43	17.643	17.643	0.000	81	4809017	40.0	27.4	
A 68 C8 Range	1	17.643	(17.593-17.693)		0	48119062	NC	NC	
66 Toluene	92	17.654	17.648	0.006	95	7043017	40.0	32.0	
A 67 Toluene Range	92	17.648	(17.608-17.688)		0	48119062	40.0	218.9	
70 trans-1,3-Dichloropropene	75	18.183	18.183	0.000	90	5644203	40.0	41.4	
71 1,1,2-Trichloroethane	83	18.552	18.553	-0.001	91	3639849	40.0	38.4	
72 Tetrachloroethene	166	18.692	18.686	0.006	88	8974952	40.0	39.4	
73 2-Hexanone	43	18.938	18.932	0.006	90	5340909	40.0	35.8	
74 Chlorodibromomethane	129	19.307	19.307	0.000	95	9173337	40.0	42.0	
75 Ethylene Dibromide	107	19.590	19.590	0.000	99	7336033	40.0	39.6	
S 82 Xylenes, Total	106				0		120.0	102.0	
* 76 Chlorobenzene-d5	117	20.436	20.430	0.006	75	3093600	10.0	10.0	
77 Chlorobenzene	112	20.489	20.489	0.000	97	11284649	40.0	37.1	
78 Ethylbenzene	91	20.607	20.601	0.006	93	15165124	40.0	34.7	
79 n-Nonane	57	20.660	20.655	0.005	79	5873494	40.0	31.6	
80 m-Xylene & p-Xylene	106	20.821	20.821	0.000	94	12208966	80.0	65.3	
83 o-Xylene	106	21.538	21.532	0.006	97	6997225	40.0	36.7	
84 Styrene	104	21.575	21.570	0.005	96	10494982	40.0	37.9	
85 Bromoform	173	21.955	21.950	0.005	96	10083003	40.0	43.0	
86 Isopropylbenzene	105	22.099	22.094	0.005	94	17080367	40.0	32.8	
$ 87 4-Bromofluorobenzene	95	22.436	22.436	0.000	97	2039606	NC	NC	
88 1,1,2,2-Tetrachloroethane	83	22.661	22.661	0.000	90	8518880	40.0	35.5	
90 N-Propylbenzene	91	22.731	22.731	0.000	94	17592520	40.0	30.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
89 1,2,3-Trichloropropane	75	22.763	22.763	0.000	84	6356239	40.0	34.4	
93 n-Decane	57	22.848	22.843	0.005	79	7086822	40.0	31.2	
91 4-Ethyltoluene	105	22.902	22.897	0.005	86	16411245	40.0	31.6	
92 2-Chlorotoluene	91	22.939	22.934	0.005	94	14360093	40.0	33.8	
94 1,3,5-Trimethylbenzene	105	22.993	22.987	0.006	88	14795627	40.0	33.4	
95 Alpha Methyl Styrene	118	23.340	23.341	-0.001	89	9423340	40.0	42.0	
96 tert-Butylbenzene	119	23.469	23.469	0.000	89	15413556	40.0	33.8	
97 1,2,4-Trimethylbenzene	105	23.560	23.560	0.000	94	15069740	40.0	33.8	
98 sec-Butylbenzene	105	23.801	23.795	0.006	93	19634253	40.0	30.9	
99 4-Isopropyltoluene	119	23.998	23.999	-0.001	89	18124664	40.0	32.1	
100 1,3-Dichlorobenzene	146	24.073	24.068	0.005	97	12980976	40.0	37.6	
101 1,4-Dichlorobenzene	146	24.218	24.213	0.005	94	13010045	40.0	38.6	
102 Benzyl chloride	91	24.426	24.421	0.005	98	12807793	40.0	45.4	
104 Undecane	57	24.608	24.608	0.000	87	6609261	40.0	28.6	
103 n-Butylbenzene	91	24.640	24.635	0.005	95	13667013	40.0	30.0	
105 1,2-Dichlorobenzene	146	24.822	24.817	0.005	96	12754739	40.0	37.9	
106 Dodecane	57	26.411	26.406	0.005	91	4494545	40.0	21.6	
107 1,2,4-Trichlorobenzene	180	27.706	27.706	0.000	92	11463036	40.0	42.0	
108 Hexachlorobutadiene	225	27.909	27.904	0.005	94	11719000	40.0	41.2	
109 Naphthalene	128	28.294	28.289	0.005	98	20124744	40.0	38.4	
110 1,2,3-Trichlorobenzene	180	28.856	28.856	0.000	94	10155190	40.0	40.8	

QC Flag Legend

Processing Flags
NC - Not Calibrated

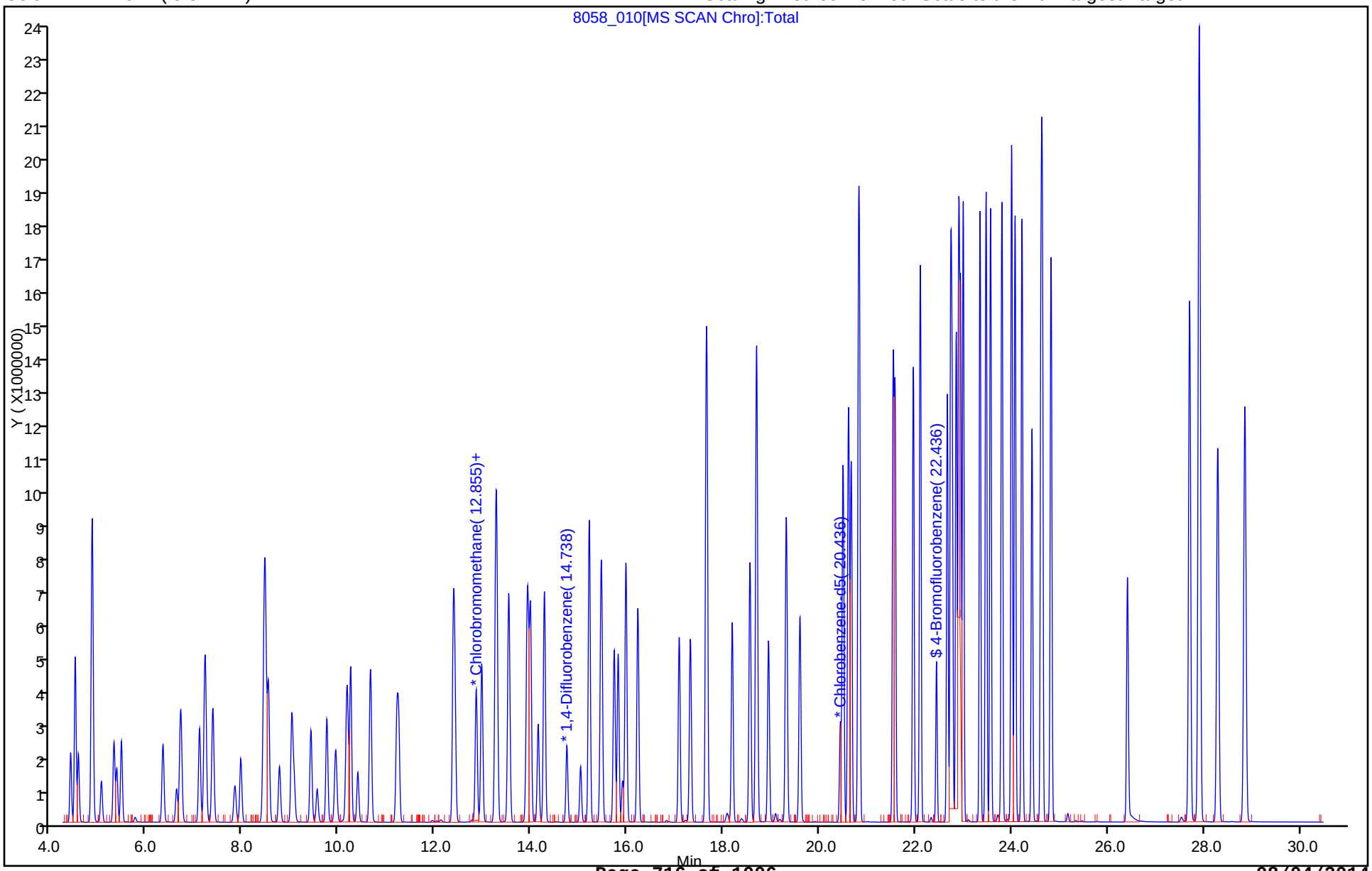
Report Date: 16-Jun-2014 10:40:46 Chrom Revision: 2.2 16-May-2014 10:46:48

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140613-8058.b\8058_010.d

Injection Date:	14-Jun-2014 13:56:30	Instrument ID:	CHW.i	Operator ID:	PAD
Lims ID:	IC			Worklist Smp#:	10
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	9
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\20140613-8058.b\8058_016.d
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 14-Jun-2014 23:41:30 ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0008058-016
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\20140613-8058.b\TO15_LLNJ_TO3_W_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 16-Jun-2014 10:40:57 Calib Date: 15-Jun-2014 00:33:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20140613-8058.b\8058_017.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK030

First Level Reviewer: daiglep Date: 16-Jun-2014 09:53:40

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	4.424	4.419	0.005	86	5215	0.0401	0.1052	
2 Dichlorodifluoromethane	85	4.510	4.515	-0.005	85	8868	0.0401	0.0450	
6 Chlorodifluoromethane	51	4.579	4.579	0.000	50	6440	0.0401	0.0653	
7 1,2-Dichloro-1,1,2,2-tetra	85	4.863	4.863	0.000	76	8523	0.0401	0.0432	
8 Chloromethane	50	5.061	5.061	0.000	40	2127	0.0401	0.0364	
9 Butane	43	5.307	5.323	-0.016	79	8577	0.0401	0.0887	
10 Vinyl chloride	62	5.376	5.376	0.000	27	2909	0.0401	0.0401	
11 Butadiene	54	5.462	5.478	-0.016	66	2302	0.0401	0.0447	
12 Bromomethane	94	6.339	6.339	0.000	86	3965	0.0401	0.0544	
13 BFB									
14 Chloroethane	64	6.612	6.623	-0.011	54	1816	0.0401	0.0444	
15 2-Methylbutane	43	6.698	6.708	-0.010	67	4664	0.0401	0.0608	
16 Vinyl bromide	106	7.104	7.099	0.005	68	4079	0.0401	0.0457	
17 Trichlorofluoromethane	101	7.211	7.217	-0.006	64	8846	0.0401	0.0406	
18 Pentane	43	7.377	7.377	0.000	84	8954	0.0401	0.0813	
19 Ethanol	45	7.826	7.832	-0.006	76	1070	0.0802	0.0382	
21 Ethyl ether	59	7.976	7.960	0.016	78	1203	0.0401	0.0244	
22 Acrolein	56	8.452	8.426	0.026	1	2963	0.0401	0.1413	
23 1,1,2-Trichloro-1,2,2-trif	101	8.458	8.458	0.000	74	6888	0.0401	0.0413	
24 1,1-Dichloroethene	96	8.527	8.533	-0.006	43	3455	0.0401	0.0422	
25 Acetone	43	8.779	8.763	0.016	89	53117	0.0401	0.5159	
26 Carbon disulfide	76	9.019	9.019	0.000	89	13095	0.0401	0.0642	
27 Isopropyl alcohol	45	9.068	9.057	0.011	90	17919	0.0401	0.2064	
29 3-Chloro-1-propene	41	9.410	9.415	-0.005	51	2662	0.0401	0.0339	
30 Acetonitrile	41	9.565	9.549	0.016	97	3726	0.0401	0.0849	
31 Methylene Chloride	49	9.736	9.747	-0.011	67	6997	0.0401	0.0991	
32 2-Methyl-2-propanol	59	9.934	9.929	0.005	76	6198	0.0401	0.0494	
33 Methyl tert-butyl ether	73	10.186	10.170	0.016	81	8657	0.0401	0.0396	
S 41 1,2-Dichloroethene, Total	61				0		0.0802	0.0662	
34 trans-1,2-Dichloroethene	61	10.239	10.244	-0.005	46	3806	0.0401	0.0388	

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	10.389	10.394	-0.005	71	854	0.0401	0.0179	
36 Hexane	57	10.646	10.656	-0.010	77	7705	0.0401	0.0648	
37 1,1-Dichloroethane	63	11.191	11.202	-0.011	16	5169	0.0401	0.0398	
38 Vinyl acetate	43	11.245	11.240	0.005	84	6651	0.0401	0.0418	
39 cis-1,2-Dichloroethene	96	12.379	12.379	0.000	61	2518	0.0401	0.0274	
40 2-Butanone (MEK)	72	12.406	12.390	0.016	91	4824	0.0401	0.1110	
42 Ethyl acetate	88	12.411	12.416	-0.005	72	58	0.0401	0.007943	
44 Tetrahydrofuran	42	12.882	12.855	0.027	28	3860	0.0401	0.0548	
* 43 Chlorobromomethane	128	12.855	12.860	-0.005	73	674539	10.0	10.0	
45 Chloroform	83	12.962	12.967	-0.005	56	4668	0.0401	0.0291	
46 Cyclohexane	84	13.267	13.267	0.000	69	3393	0.0401	0.0276	
47 1,1,1-Trichloroethane	97	13.278	13.278	0.000	66	6554	0.0401	0.0374	
48 Carbon tetrachloride	117	13.529	13.535	-0.006	74	7713	0.0401	0.0401	
51 Isooctane	57	13.920	13.920	0.000	94	15910	0.0401	0.0432	
50 Benzene	78	13.979	13.984	-0.005	75	14050	0.0401	0.0540	
52 1,2-Dichloroethane	62	14.144	14.144	0.000	57	3981	0.0401	0.0414	
53 n-Heptane	43	14.262	14.273	-0.011	75	5562	0.0401	0.0418	
* 54 1,4-Difluorobenzene	114	14.733	14.744	-0.011	92	3318433	10.0	10.0	
A 57 GRO	1	14.776	(6.698-22.853)		0	4257532	0.0401	0	
55 n-Butanol	56	15.038	15.027	0.011	65	4709	0.0401	0.1129	
56 Trichloroethene	95	15.204	15.209	-0.005	67	5503	0.0401	0.0451	M
58 1,2-Dichloropropane	63	15.723	15.723	0.000	63	3667	0.0401	0.0410	
59 Methyl methacrylate	69	15.808	15.808	0.000	73	3906	0.0401	0.0443	
60 1,4-Dioxane	88	15.915	15.899	0.016	63	5823	0.0401	0.1295	
61 Dibromomethane	174	15.969	15.969	0.000	74	6888	0.0401	0.0476	
62 Dichlorobromomethane	83	16.209	16.215	-0.006	74	6566	0.0401	0.0378	
A 63 TVOC as Toluene	92	16.637	(4.409-28.866)		0	6087392	0.0401	25.8	
64 cis-1,3-Dichloropropene	75	17.076	17.076	0.000	51	5029	0.0401	0.0376	
65 4-Methyl-2-pentanone (MIBK	43	17.317	17.311	0.006	74	6168	0.0401	0.0403	
69 n-Octane	43	17.643	17.643	0.000	77	11485	0.0401	0.0671	
A 68 C8 Range	1	17.643	(17.593-17.693)		0	90055	NC	NC	
66 Toluene	92	17.643	17.648	-0.005	80	11282	0.0401	0.0539	
A 67 Toluene Range	92	17.648	(17.608-17.688)		0	90055	0.0401	0.4301	
70 trans-1,3-Dichloropropene	75	18.173	18.183	-0.010	56	4709	0.0401	0.0354	
71 1,1,2-Trichloroethane	83		18.553					ND	
72 Tetrachloroethene	166	18.686	18.686	0.000	82	9162	0.0401	0.0422	
73 2-Hexanone	43	18.943	18.932	0.011	77	6364	0.0401	0.0448	
74 Chlorodibromomethane	129	19.302	19.307	-0.005	66	7388	0.0401	0.0355	
75 Ethylene Dibromide	107	19.596	19.590	0.006	75	7559	0.0401	0.0428	
S 82 Xylenes, Total	106				0		0.1203	0.1372	
* 76 Chlorobenzene-d5	117	20.430	20.430	0.000	80	2946392	10.0	10.0	
77 Chlorobenzene	112	20.489	20.489	0.000	53	13978	0.0401	0.0483	
78 Ethylbenzene	91	20.601	20.601	0.000	72	19856	0.0401	0.0477	
79 n-Nonane	57	20.655	20.655	0.000	80	11387	0.0401	0.0643	
80 m-Xylene & p-Xylene	106	20.821	20.821	0.000	99	16530	0.0802	0.0929	
83 o-Xylene	106	21.532	21.532	0.000	74	8059	0.0401	0.0443	
84 Styrene	104	21.570	21.570	0.000	87	10518	0.0401	0.0399	
85 Bromoform	173	21.955	21.950	0.005	90	8051	0.0401	0.0360	
86 Isopropylbenzene	105	22.099	22.094	0.005	78	22116	0.0401	0.0445	
$ 87 4-Bromofluorobenzene	95	22.431	22.436	-0.005	97	1870631	NC	NC	
88 1,1,2,2-Tetrachloroethane	83	22.661	22.661	0.000	82	12332	0.0401	0.0540	
90 N-Propylbenzene	91	22.725	22.731	-0.006	95	30692	0.0401	0.0554	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
89 1,2,3-Trichloropropane	75	22.757	22.763	-0.006	85	10444	0.0401	0.0593	
93 n-Decane	57	22.843	22.843	0.000	82	14919	0.0401	0.0691	
91 4-Ethyltoluene	105	22.897	22.897	0.000	78	28626	0.0401	0.0579	
92 2-Chlorotoluene	91	22.934	22.934	0.000	80	23490	0.0401	0.0581	
94 1,3,5-Trimethylbenzene	105	22.987	22.987	0.000	74	20171	0.0401	0.0478	
95 Alpha Methyl Styrene	118	23.335	23.341	-0.006	87	10653	0.0401	0.0499	
96 tert-Butylbenzene	119	23.464	23.469	-0.005	82	18691	0.0401	0.0430	
97 1,2,4-Trimethylbenzene	105	23.555	23.560	-0.005	85	22413	0.0401	0.0528	
98 sec-Butylbenzene	105	23.795	23.795	0.000	92	27940	0.0401	0.0462	
99 4-Isopropyltoluene	119	23.993	23.999	-0.006	77	24782	0.0401	0.0461	
100 1,3-Dichlorobenzene	146	24.063	24.068	-0.005	94	22180	0.0401	0.0675	
101 1,4-Dichlorobenzene	146	24.213	24.213	0.000	93	21769	0.0401	0.0678	
102 Benzyl chloride	91	24.416	24.421	-0.005	88	14840	0.0401	0.0553	
104 Undecane	57	24.608	24.608	0.000	86	15203	0.0401	0.0690	
103 n-Butylbenzene	91	24.635	24.635	0.000	90	29841	0.0401	0.0689	
105 1,2-Dichlorobenzene	146	24.817	24.817	0.000	94	25891	0.0401	0.0808	
106 Dodecane	57	26.406	26.406	0.000	86	13501	0.0401	0.0681	
107 1,2,4-Trichlorobenzene	180	27.706	27.706	0.000	87	41479	0.0401	0.1597	
108 Hexachlorobutadiene	225	27.898	27.904	-0.006	81	15364	0.0401	0.0567	
109 Naphthalene	128	28.289	28.289	0.000	97	61189	0.0401	0.1226	
110 1,2,3-Trichlorobenzene	180	28.851	28.856	-0.005	90	39293	0.0401	0.1659	

QC Flag Legend

Processing Flags
NC - Not Calibrated
ND - Not Detected or Marked ND

Review Flags
M - Manually Integrated

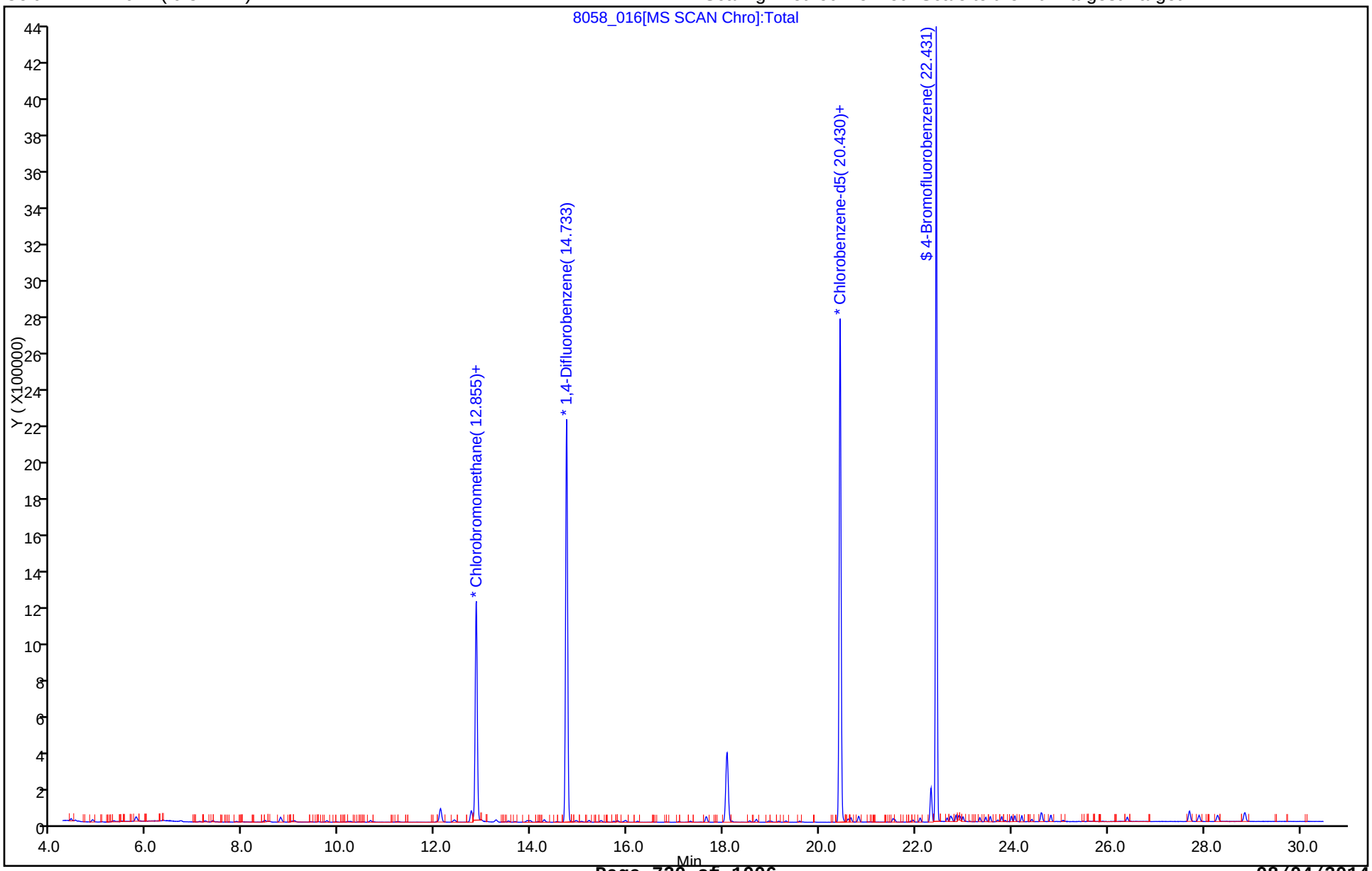
Report Date: 16-Jun-2014 10:40:57 Chrom Revision: 2.2 16-May-2014 10:46:48

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140613-8058.b\8058_016.d

Injection Date:	14-Jun-2014 23:41:30	Instrument ID:	CHW.i	Operator ID:	PAD
Lims ID:	IC			Worklist Smp#:	16
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	15
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



Manual Integration/User Assign Peak Report

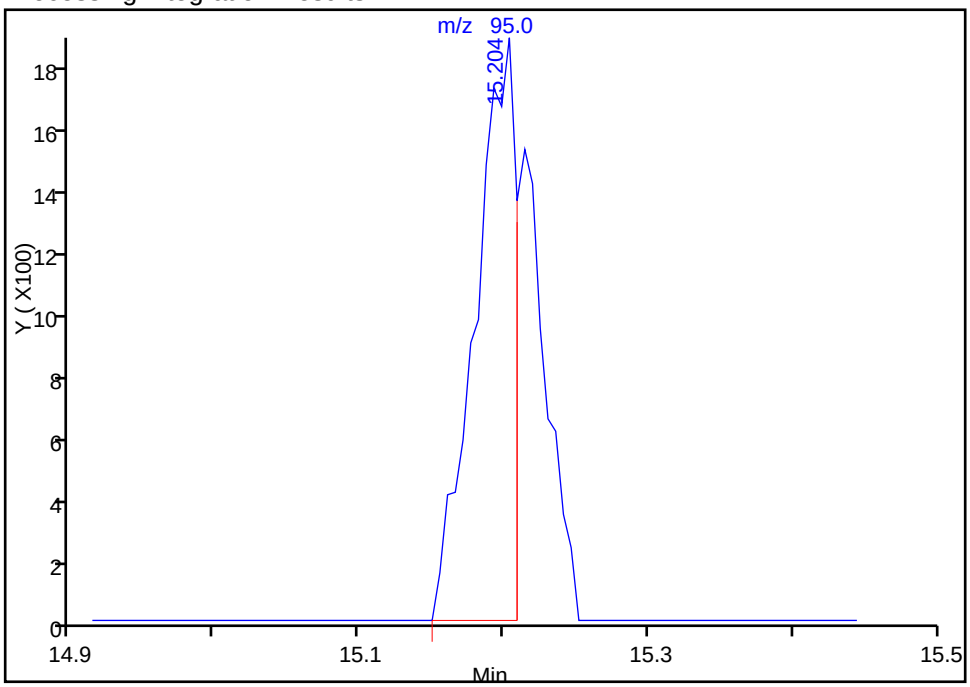
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140613-8058.b\8058_016.d				
Injection Date:	14-Jun-2014 23:41:30	Instrument ID:	CHW.i		
Lims ID:	IC				
Client ID:					
Operator ID:	PAD	ALS Bottle#:	15	Worklist Smp#:	16
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

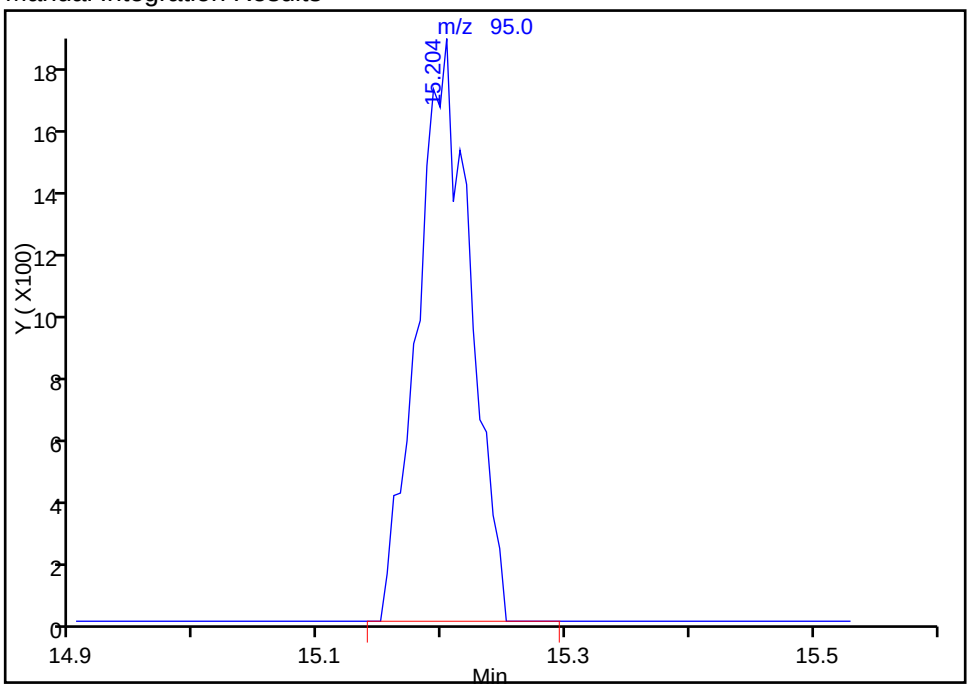
Processing Integration Results

RT: 15.20
Response: 3677
Amount: 0.031627



Manual Integration Results

RT: 15.20
Response: 5503
Amount: 0.045123



Reviewer: daiglep, 16-Jun-2014 09:53:40
Audit Action: Manually Integrated
Audit Reason: Baseline Event

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140613-8058.b\8058_017.d
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 15-Jun-2014 00:33:30 ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0008058-017
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\20140613-8058.b\TO15_LLNJ_TO3_W_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 17-Jun-2014 09:23:32 Calib Date: 15-Jun-2014 00:33:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20140613-8058.b\8058_017.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK037

First Level Reviewer: daiglep Date: 16-Jun-2014 09:54:59

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	4.419	4.419	0.000	93	15126	0.2004	0.3438	
2 Dichlorodifluoromethane	85	4.499	4.515	-0.016	86	40134	0.2004	0.2292	
6 Chlorodifluoromethane	51	4.569	4.579	-0.011	66	23149	0.2004	0.2644	
7 1,2-Dichloro-1,1,2,2-tetra	85	4.852	4.863	-0.011	88	39355	0.2004	0.2246	
8 Chloromethane	50	5.045	5.061	-0.016	82	14720	0.2004	0.2841	
9 Butane	43	5.307	5.323	-0.016	98	31995	0.2004	0.3727	
10 Vinyl chloride	62	5.371	5.376	-0.005	67	13826	0.2004	0.2149	
11 Butadiene	54	5.462	5.478	-0.016	90	9568	0.2004	0.2092	
12 Bromomethane	94	6.329	6.339	-0.010	90	15004	0.2004	0.2321	
13 BFB									
14 Chloroethane	64	6.612	6.623	-0.011	74	8470	0.2004	0.2331	
15 2-Methylbutane	43	6.703	6.708	-0.005	88	17811	0.2004	0.2617	
16 Vinyl bromide	106	7.094	7.099	-0.005	94	17540	0.2004	0.2215	
17 Trichlorofluoromethane	101	7.206	7.217	-0.011	83	43494	0.2004	0.2251	
18 Pentane	43	7.366	7.377	-0.011	96	35013	0.2004	0.3581	
19 Ethanol	45	7.821	7.832	-0.011	94	21750	0.4009	0.8736	
21 Ethyl ether	59	7.966	7.960	0.006	90	9356	0.2004	0.2138	
22 Acrolein	56	8.420	8.426	-0.006	76	9299	0.2004	0.4995	
23 1,1,2-Trichloro-1,2,2-trif	101	8.447	8.458	-0.011	92	33835	0.2004	0.2285	
24 1,1-Dichloroethene	96	8.522	8.533	-0.011	79	16097	0.2004	0.2217	
25 Acetone	43	8.763	8.763	0.000	89	151797	0.2004	1.66	
26 Carbon disulfide	76	9.009	9.019	-0.010	99	51147	0.2004	0.2826	
27 Isopropyl alcohol	45	9.041	9.057	-0.016	93	31827	0.2004	0.4129	
29 3-Chloro-1-propene	41	9.405	9.415	-0.010	86	14345	0.2004	0.2058	
30 Acetonitrile	41	9.549	9.549	0.000	97	16532	0.2004	0.4241	
31 Methylene Chloride	49	9.747	9.747	0.000	81	18228	0.2004	0.2907	
32 2-Methyl-2-propanol	59	9.908	9.929	-0.021	92	23844	0.2004	0.2142	
33 Methyl tert-butyl ether	73	10.159	10.170	-0.011	92	41521	0.2004	0.2139	
S 41 1,2-Dichloroethene, Total	61				0		0.4009	0.4406	
34 trans-1,2-Dichloroethene	61	10.234	10.244	-0.010	77	19118	0.2004	0.2194	

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	10.389	10.394	-0.005	92	8354	0.2004	0.1970	
36 Hexane	57	10.646	10.656	-0.010	85	31992	0.2004	0.3030	
37 1,1-Dichloroethane	63	11.191	11.202	-0.011	84	25071	0.2004	0.2176	
38 Vinyl acetate	43	11.234	11.240	-0.006	97	29014	0.2004	0.2056	
39 cis-1,2-Dichloroethene	96	12.374	12.379	-0.005	81	18059	0.2004	0.2212	
40 2-Butanone (MEK)	72	12.390	12.390	0.000	100	18756	0.2004	0.4862	
42 Ethyl acetate	88	12.411	12.416	-0.005	93	1524	0.2004	0.2351	
44 Tetrahydrofuran	42	12.861	12.855	0.006	50	15114	0.2004	0.2430	
* 43 Chlorobromomethane	128	12.850	12.860	-0.010	74	598838	10.0	10.0	
45 Chloroform	83	12.962	12.967	-0.005	97	31142	0.2004	0.2184	
46 Cyclohexane	84	13.256	13.267	-0.011	85	24186	0.2004	0.2225	
47 1,1,1-Trichloroethane	97	13.272	13.278	-0.006	89	33683	0.2004	0.2174	
48 Carbon tetrachloride	117	13.524	13.535	-0.011	89	35388	0.2004	0.2084	
51 Isooctane	57	13.920	13.920	0.000	97	72781	0.2004	0.2236	
50 Benzene	78	13.973	13.984	-0.011	90	53777	0.2004	0.2337	
52 1,2-Dichloroethane	62	14.139	14.144	-0.005	91	18375	0.2004	0.2163	
53 n-Heptane	43	14.268	14.273	-0.005	86	35562	0.2004	0.3025	
* 54 1,4-Difluorobenzene	114	14.733	14.744	-0.011	92	2932185	10.0	10.0	
A 57 GRO	1	14.776	(6.698-22.853)		0	11190872	0.2004	0	
55 n-Butanol	56	15.033	15.027	0.006	72	14717	0.2004	0.3995	
56 Trichloroethene	95	15.209	15.209	0.000	89	22936	0.2004	0.2128	
58 1,2-Dichloropropane	63	15.723	15.723	0.000	88	17033	0.2004	0.2157	
59 Methyl methacrylate	69	15.798	15.808	-0.010	81	15251	0.2004	0.1959	
60 1,4-Dioxane	88	15.905	15.899	0.006	80	14382	0.2004	0.3621	
61 Dibromomethane	174	15.963	15.969	-0.006	86	27649	0.2004	0.2164	
62 Dichlorobromomethane	83	16.209	16.215	-0.006	91	30880	0.2004	0.2013	
A 63 TVOC as Toluene	92	16.637	(4.409-28.866)		0	16014775	0.2004	76.9	
64 cis-1,3-Dichloropropene	75	17.076	17.076	0.000	79	22851	0.2004	0.1932	
65 4-Methyl-2-pentanone (MIBK	43	17.306	17.311	-0.005	90	27362	0.2004	0.2024	
A 68 C8 Range	1	17.643	(17.593-17.693)		0	354671	NC	NC	
69 n-Octane	43	17.643	17.643	0.000	79	43409	0.2004	0.2870	
A 67 Toluene Range	92	17.648	(17.608-17.688)		0	354671	0.2004	1.89	
66 Toluene	92	17.643	17.648	-0.005	92	46690	0.2004	0.2488	
70 trans-1,3-Dichloropropene	75	18.173	18.183	-0.010	88	21571	0.2004	0.1834	
71 1,1,2-Trichloroethane	83	18.547	18.553	-0.006	93	17536	0.2004	0.2167	
72 Tetrachloroethene	166	18.686	18.686	0.000	88	42526	0.2004	0.2188	
73 2-Hexanone	43	18.932	18.932	0.000	90	24457	0.2004	0.1921	
74 Chlorodibromomethane	129	19.302	19.307	-0.005	94	35159	0.2004	0.1884	
75 Ethylene Dibromide	107	19.585	19.590	-0.005	93	32249	0.2004	0.2039	
S 82 Xylenes, Total	106				0		0.6013	0.6558	
* 76 Chlorobenzene-d5	117	20.430	20.430	0.000	80	2640824	10.0	10.0	
77 Chlorobenzene	112	20.484	20.489	-0.005	43	57712	0.2004	0.2225	
78 Ethylbenzene	91	20.596	20.601	-0.005	95	83407	0.2004	0.2235	
79 n-Nonane	57	20.655	20.655	0.000	83	42449	0.2004	0.2676	
80 m-Xylene & p-Xylene	106	20.821	20.821	0.000	98	70917	0.4009	0.4447	
83 o-Xylene	106	21.527	21.532	-0.005	92	34397	0.2004	0.2112	
84 Styrene	104	21.570	21.570	0.000	97	42532	0.2004	0.1800	
85 Bromoform	173	21.944	21.950	-0.006	99	33576	0.2004	0.1676	
86 Isopropylbenzene	105	22.094	22.094	0.000	93	100381	0.2004	0.2256	
$ 87 4-Bromofluorobenzene	95	22.431	22.436	-0.005	97	1686620	NC	NC	
88 1,1,2,2-Tetrachloroethane	83	22.656	22.661	-0.005	90	42339	0.2004	0.2068	
90 N-Propylbenzene	91	22.731	22.731	0.000	99	112425	0.2004	0.2263	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
89 1,2,3-Trichloropropane	75	22.758	22.763	-0.005	91	35069	0.2004	0.2221	
93 n-Decane	57	22.838	22.843	-0.005	85	51638	0.2004	0.2667	
91 4-Ethyltoluene	105	22.897	22.897	0.000	85	97551	0.2004	0.2203	
92 2-Chlorotoluene	91	22.934	22.934	0.000	91	78772	0.2004	0.2175	
94 1,3,5-Trimethylbenzene	105	22.988	22.987	0.001	86	81446	0.2004	0.2154	
95 Alpha Methyl Styrene	118	23.335	23.341	-0.006	89	31387	0.2004	0.1641	
96 tert-Butylbenzene	119	23.464	23.469	-0.005	91	86788	0.2004	0.2230	
97 1,2,4-Trimethylbenzene	105	23.555	23.560	-0.005	95	80906	0.2004	0.2128	
98 sec-Butylbenzene	105	23.795	23.795	0.000	98	122936	0.2004	0.2266	
99 4-Isopropyltoluene	119	23.993	23.999	-0.006	89	104819	0.2004	0.2175	
100 1,3-Dichlorobenzene	146	24.068	24.068	0.000	98	55608	0.2004	0.1888	
101 1,4-Dichlorobenzene	146	24.213	24.213	0.000	96	52544	0.2004	0.1826	
102 Benzyl chloride	91	24.421	24.421	0.000	98	32111	0.2004	0.1335	
104 Undecane	57	24.603	24.608	-0.005	93	52531	0.2004	0.2661	
103 n-Butylbenzene	91	24.630	24.635	-0.005	97	83439	0.2004	0.2148	
105 1,2-Dichlorobenzene	146	24.817	24.817	0.000	97	56937	0.2004	0.1983	
106 Dodecane	57	26.411	26.406	0.005	93	38968	0.2004	0.2193	
107 1,2,4-Trichlorobenzene	180	27.711	27.706	0.005	84	29209	0.2004	0.1255	
108 Hexachlorobutadiene	225	27.904	27.904	0.000	90	48847	0.2004	0.2010	
109 Naphthalene	128	28.294	28.289	0.005	93	29760	0.2004	0.0666	
110 1,2,3-Trichlorobenzene	180	28.851	28.856	-0.005	87	32670	0.2004	0.1539	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

ATTO15CAL1w_00094	Amount Added: 200.00	Units: mL	
ATTO15WISs_00003	Amount Added: 20.00	Units: mL	Run Reagent

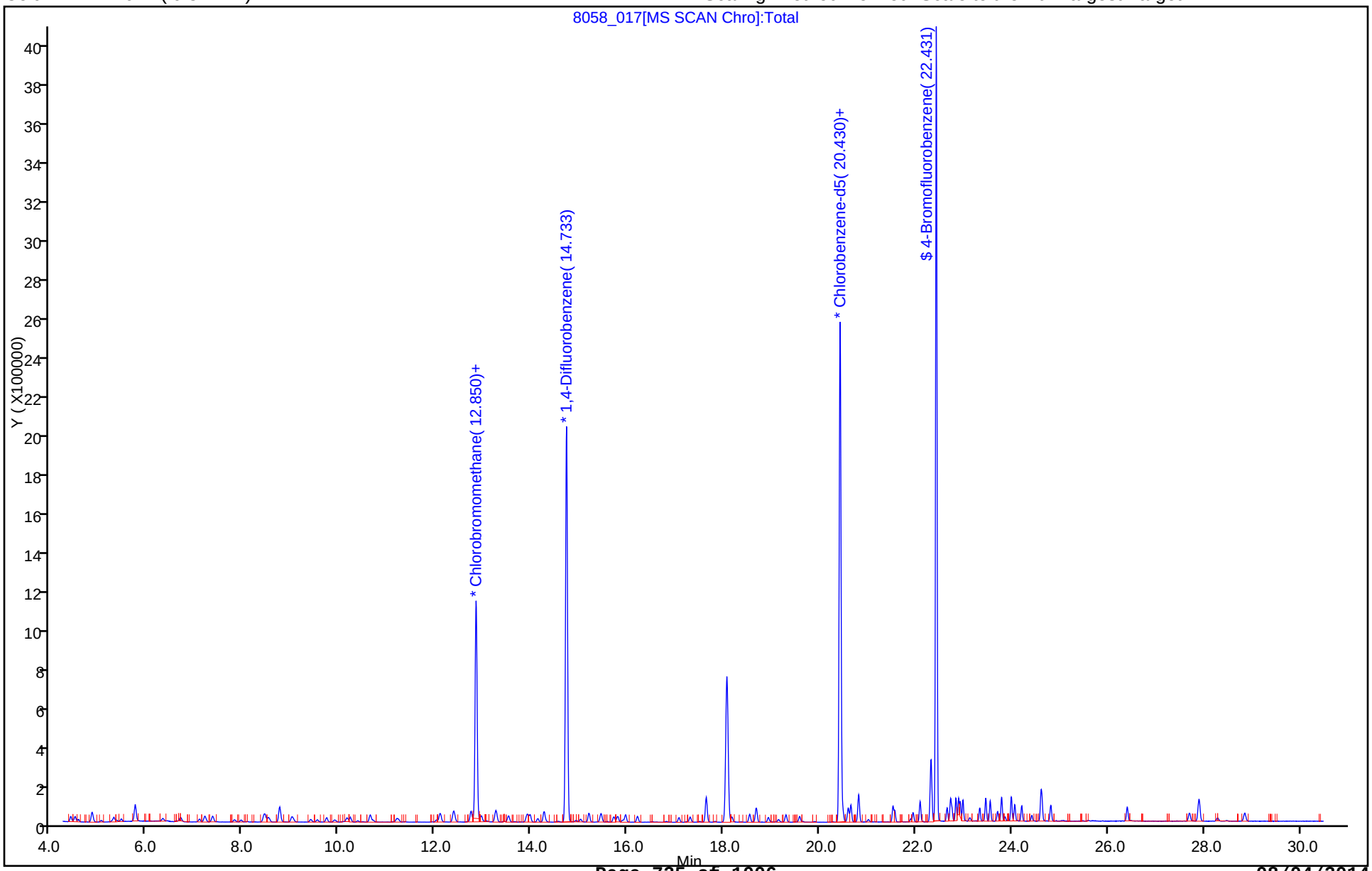
Report Date: 17-Jun-2014 09:23:32 Chrom Revision: 2.2 12-Jun-2014 08:49:30

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140613-8058.b\8058_017.d

Injection Date:	15-Jun-2014 00:33:30	Instrument ID:	CHW.i	Operator ID:	PAD
Lims ID:	IC			Worklist Smp#:	17
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	16
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.: 280-58003-1

SDG No.:

Lab Sample ID: ICV 200-75021/19 Calibration Date: 07/18/2014 10:29

Instrument ID: CHC.i Calib Start Date: 07/17/2014 12:55

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 07/18/2014 09:36

Lab File ID: 8605_019.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.5866	0.5377		9.16	10.0	-8.3	30.0
Dichlorodifluoromethane	Ave	3.097	3.060		9.88	10.0	-1.2	30.0
Freon 22	Ave	1.387	1.361		9.82	10.0	-1.8	30.0
1,2-Dichlorotetrafluoroethane	Ave	2.679	2.870		10.7	10.0	7.1	30.0
Chloromethane	Ave	0.7367	0.6925		9.40	10.0	-6.0	30.0
n-Butane	Ave	1.195	1.121		9.37	10.0	-6.2	30.0
Vinyl chloride	Ave	0.9018	0.8704		9.65	10.0	-3.5	30.0
1,3-Butadiene	Ave	0.6772	0.6333		9.35	10.0	-6.5	30.0
Bromomethane	Ave	0.9214	0.9063		9.83	10.0	-1.6	30.0
Chloroethane	Ave	0.3933	0.3873		9.85	10.0	-1.5	30.0
Isopentane	Ave	0.7308	0.7598		10.4	10.0	4.0	30.0
Bromoethene(Vinyl Bromide)	Ave	0.9068	0.8667		9.56	10.0	-4.4	30.0
Trichlorofluoromethane	Ave	3.311	3.190		9.63	10.0	-3.7	30.0
n-Pentane	Ave	1.222	1.313		10.7	10.0	7.5	30.0
Ethanol	Ave	0.2427	0.1995		12.3	15.0	-17.8	30.0
Ethyl ether	Ave	0.5219	0.5878		11.3	10.0	12.6	30.0
Acrolein	Ave	0.2229	0.2618		11.7	10.0	17.4	30.0
Freon TF	Ave	1.853	1.824		9.84	10.0	-1.6	30.0
1,1-Dichloroethene	Ave	0.8710	0.8384		9.62	10.0	-3.8	30.0
Acetone	Ave	1.205	1.254		10.4	10.0	4.1	30.0
Carbon disulfide	Ave	2.558	2.632		10.3	10.0	2.9	30.0
Isopropyl alcohol	Ave	0.9611	0.8044		8.37	10.0	-16.3	30.0
3-Chloropropene	Ave	0.9161	0.8269		9.02	10.0	-9.7	30.0
Acetonitrile	Ave	0.4659	0.4808		10.3	10.0	3.2	30.0
Methylene Chloride	Ave	0.8513	0.8274		9.72	10.0	-2.8	30.0
tert-Butyl alcohol	Ave	1.585	1.425		8.98	10.0	-10.1	30.0
Methyl tert-butyl ether	Ave	2.567	2.491		9.70	10.0	-2.9	30.0
trans-1,2-Dichloroethene	Ave	1.209	1.228		10.2	10.0	1.6	30.0
Acrylonitrile	Ave	0.4966	0.5202		10.5	10.0	4.8	30.0
n-Hexane	Ave	1.110	1.152		10.4	10.0	3.8	30.0
1,1-Dichloroethane	Ave	1.618	1.608		9.94	10.0	-0.6	30.0
Vinyl acetate	Ave	2.010	1.942		9.66	10.0	-3.4	30.0
cis-1,2-Dichloroethene	Ave	1.154	1.092		9.46	10.0	-5.4	30.0
Methyl Ethyl Ketone	Ave	0.5311	0.4835		9.10	10.0	-9.0	30.0
Ethyl acetate	Ave	0.0817	0.0857		10.5	10.0	4.9	30.0
Tetrahydrofuran	Ave	0.1637	0.1597		9.75	10.0	-2.4	30.0
Chloroform	Ave	2.706	2.654		9.81	10.0	-1.9	30.0
Cyclohexane	Ave	0.2498	0.2414		9.66	10.0	-3.4	30.0
1,1,1-Trichloroethane	Ave	0.5201	0.4981		9.58	10.0	-4.2	30.0
Carbon tetrachloride	Ave	0.5638	0.5408		9.59	10.0	-4.1	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Lab Sample ID: ICV 200-75021/19 Calibration Date: 07/18/2014 10:29

Instrument ID: CHC.i Calib Start Date: 07/17/2014 12:55

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 07/18/2014 09:36

Lab File ID: 8605_019.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,2,4-Trimethylpentane	Ave	0.9842	0.9343		9.49	10.0	-5.1	30.0
Benzene	Ave	0.6336	0.5949		9.39	10.0	-6.1	30.0
1,2-Dichloroethane	Ave	0.3589	0.3491		9.72	10.0	-2.8	30.0
n-Heptane	Ave	0.3917	0.3778		9.64	10.0	-3.5	30.0
n-Butanol	Ave	0.1260	0.1183		9.39	10.0	-6.1	30.0
Trichloroethene	Ave	0.3473	0.3506		10.1	10.0	0.9	30.0
1,2-Dichloropropane	Ave	0.3148	0.3128		9.93	10.0	-0.7	30.0
Methyl methacrylate	Ave	0.2882	0.3050		10.6	10.0	5.8	30.0
1,4-Dioxane	Ave	0.1172	0.1078		9.20	10.0	-8.0	30.0
Dibromomethane	Ave	0.2792	0.2714		9.72	10.0	-2.8	30.0
Bromodichloromethane	Ave	0.6672	0.6682		10.0	10.0	0.1	30.0
cis-1,3-Dichloropropene	Ave	0.4833	0.4923		10.2	10.0	1.9	30.0
methyl isobutyl ketone	Ave	0.6496	0.6115		9.41	10.0	-5.9	30.0
Toluene	Ave	0.5662	0.5581		9.86	10.0	-1.4	30.0
n-Octane	Ave	0.6672	0.6584		9.87	10.0	-1.3	30.0
trans-1,3-Dichloropropene	Ave	0.5562	0.5214		9.37	10.0	-6.3	30.0
1,1,2-Trichloroethane	Ave	0.3046	0.3068		10.1	10.0	0.7	30.0
Tetrachloroethene	Ave	0.4350	0.4128		9.49	10.0	-5.1	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.6374	0.5837		9.16	10.0	-8.4	30.0
Dibromochloromethane	Ave	0.6172	0.6048		9.80	10.0	-2.0	30.0
1,2-Dibromoethane	Ave	0.5460	0.5433		9.95	10.0	-0.5	30.0
Chlorobenzene	Ave	0.7449	0.7224		9.69	10.0	-3.0	30.0
Ethylbenzene	Ave	1.262	1.227		9.72	10.0	-2.8	30.0
n-Nonane	Ave	0.6459	0.6462		10.0	10.0	0.0	30.0
m,p-Xylene	Ave	0.4694	0.4484		19.1	20.0	-4.5	30.0
Xylene, o-	Ave	0.4892	0.4634		9.47	10.0	-5.3	30.0
Styrene	Ave	0.7003	0.6949		9.92	10.0	-0.8	30.0
Bromoform	Ave	0.5663	0.5554		9.81	10.0	-1.9	30.0
Cumene	Ave	1.378	1.312		9.52	10.0	-4.8	30.0
1,1,2,2-Tetrachloroethane	Ave	0.7846	0.7742		9.87	10.0	-1.3	30.0
n-Propylbenzene	Ave	1.694	1.644		9.70	10.0	-2.9	30.0
1,2,3-Trichloropropane	Ave	0.6451	0.6270		9.72	10.0	-2.8	30.0
n-Decane	Ave	0.7430	0.7541		10.1	10.0	1.5	30.0
4-Ethyltoluene	Ave	1.290	1.256		9.74	10.0	-2.6	30.0
2-Chlorotoluene	Ave	1.202	1.127		9.38	10.0	-6.2	30.0
1,3,5-Trimethylbenzene	Ave	1.182	1.138		9.63	10.0	-3.7	30.0
Alpha Methyl Styrene	Ave	0.5254	0.5581		10.6	10.0	6.2	30.0
tert-Butylbenzene	Ave	1.086	1.020		9.40	10.0	-6.0	30.0
1,2,4-Trimethylbenzene	Ave	1.177	1.126		9.56	10.0	-4.4	30.0
sec-Butylbenzene	Ave	1.628	1.548		9.51	10.0	-4.9	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Lab Sample ID: ICV 200-75021/19 Calibration Date: 07/18/2014 10:29

Instrument ID: CHC.i Calib Start Date: 07/17/2014 12:55

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 07/18/2014 09:36

Lab File ID: 8605_019.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Isopropyltoluene	Ave	1.326	1.272		9.59	10.0	-4.1	30.0
1,3-Dichlorobenzene	Ave	0.7467	0.7032		9.42	10.0	-5.8	30.0
1,4-Dichlorobenzene	Ave	0.7623	0.7288		9.56	10.0	-4.4	30.0
Benzyl chloride	Ave	1.043	0.9495		9.10	10.0	-9.0	30.0
n-Butylbenzene	Ave	1.297	1.282		9.89	10.0	-1.1	30.0
n-Undecane	Ave	0.7899	0.8608		10.9	10.0	9.0	30.0
1,2-Dichlorobenzene	Ave	0.7343	0.6915		9.41	10.0	-5.8	30.0
n-Dodecane	Ave	0.6117	0.6443		10.5	10.0	5.3	30.0
1,2,4-Trichlorobenzene	Ave	0.4368	0.4307		9.86	10.0	-1.4	30.0
Hexachlorobutadiene	Ave	0.4805	0.4803		9.99	10.0	-0.0	30.0
Naphthalene	Ave	0.9798	0.9275		9.46	10.0	-5.3	30.0
1,2,3-Trichlorobenzene	Ave	0.3095	0.3281		10.6	10.0	6.0	30.0

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\8605_019.D
Lims ID: icv
Client ID:
Sample Type: ICV
Inject. Date: 18-Jul-2014 10:29:30 ALS Bottle#: 18 Worklist Smp#: 19
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0008605-019
Misc. Info.: icv
Operator ID: wrd Instrument ID: CHC.i
Sublist:

Method: \\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\TO15_LLNJ_TO3_CHC.m
Limit Group: AI_TO15_ICAL
Last Update: 21-Jul-2014 11:28:10 Calib Date: 18-Jul-2014 09:36:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\8605_018.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK025

First Level Reviewer: daiglep Date: 18-Jul-2014 11:30:59

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	3.004	3.004	0.000	97	58682	10.0	9.16	
2 Dichlorodifluoromethane	85	3.074	3.074	0.000	88	333986	10.0	9.88	
6 Chlorodifluoromethane	51	3.132	3.132	0.000	83	148571	10.0	9.82	
7 1,2-Dichloro-1,1,2,2-tetra	85	3.351	3.351	0.000	93	313256	10.0	10.7	
8 Chloromethane	50	3.495	3.495	0.000	88	75579	10.0	9.40	
9 Butane	43	3.698	3.698	0.000	96	122328	10.0	9.37	
10 Vinyl chloride	62	3.746	3.746	0.000	82	95003	10.0	9.65	
11 Butadiene	54	3.826	3.826	0.000	92	69116	10.0	9.35	
18 BFB									
12 Bromomethane	94	4.536	4.536	0.000	96	98917	10.0	9.83	
13 Chloroethane	64	4.787	4.792	-0.005	93	42270	10.0	9.85	
14 2-Methylbutane	43	4.862	4.862	0.000	86	82925	10.0	10.4	
15 Vinyl bromide	106	5.192	5.192	0.000	96	94589	10.0	9.56	
16 Trichlorofluoromethane	101	5.299	5.299	0.000	98	348116	10.0	9.63	
17 Pentane	43	5.443	5.449	-0.006	95	143310	10.0	10.7	
19 Ethanol	45	5.945	5.945	0.000	69	32681	15.0	12.3	
21 Ethyl ether	59	6.004	6.004	0.000	79	64152	10.0	11.3	
22 Acrolein	56	6.409	6.409	0.000	41	28570	10.0	11.7	
23 1,1,2-Trichloro-1,2,2-trif	101	6.420	6.415	0.005	97	199110	10.0	9.84	
24 1,1-Dichloroethene	96	6.463	6.463	0.000	99	91501	10.0	9.62	
25 Acetone	43	6.740	6.740	0.000	77	136899	10.0	10.4	
26 Carbon disulfide	76	6.842	6.842	0.000	99	287225	10.0	10.3	
27 Isopropyl alcohol	45	7.066	7.066	0.000	97	87797	10.0	8.37	
29 3-Chloro-1-propene	41	7.285	7.285	0.000	84	90246	10.0	9.02	
30 Acetonitrile	41	7.445	7.450	-0.005	97	52476	10.0	10.3	
31 Methylene Chloride	49	7.589	7.589	0.000	89	90303	10.0	9.72	
32 2-Methyl-2-propanol	59	7.856	7.856	0.000	97	155492	10.0	8.98	
33 Methyl tert-butyl ether	73	8.005	8.005	0.000	95	271911	10.0	9.70	
34 trans-1,2-Dichloroethene	61	8.032	8.032	0.000	94	134036	10.0	10.2	
35 Acrylonitrile	53	8.218	8.219	0.000	92	56775	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
36 Hexane	57	8.421	8.421	0.000	91	125741	10.0	10.4	
37 1,1-Dichloroethane	63	8.934	8.934	0.000	94	175513	10.0	9.94	
38 Vinyl acetate	43	9.035	9.035	0.000	99	211983	10.0	9.66	
39 cis-1,2-Dichloroethene	96	10.081	10.076	0.005	98	119237	10.0	9.46	
40 2-Butanone (MEK)	72	10.150	10.156	-0.006	94	52771	10.0	9.10	
42 Ethyl acetate	88	10.198	10.193	0.005	94	9355	10.0	10.5	
S 41 1,2-Dichloroethene, Total	61				0		20.0	19.6	
* 43 Chlorobromomethane	128	10.551	10.551	0.000	85	109165	10.0	10.0	
44 Tetrahydrofuran	42	10.567	10.567	0.000	89	108005	10.0	9.75	
45 Chloroform	83	10.695	10.700	-0.005	99	289657	10.0	9.81	
46 Cyclohexane	84	10.914	10.914	0.000	91	163253	10.0	9.66	
47 1,1,1-Trichloroethane	97	10.956	10.962	-0.006	95	336904	10.0	9.58	
48 Carbon tetrachloride	117	11.207	11.207	0.000	99	365830	10.0	9.59	
51 Isooctane	57	11.655	11.655	0.000	98	631945	10.0	9.49	
50 Benzene	78	11.693	11.693	0.000	96	402368	10.0	9.39	
52 1,2-Dichloroethane	62	11.896	11.896	0.000	99	236104	10.0	9.72	
53 n-Heptane	43	12.061	12.066	-0.005	92	255560	10.0	9.64	
* 54 1,4-Difluorobenzene	114	12.568	12.568	0.000	95	676541	10.0	10.0	
55 n-Butanol	56	13.011	13.011	0.000	55	80045	10.0	9.39	
56 Trichloroethene	95	13.027	13.032	-0.005	95	237119	10.0	10.1	
A 57 GRO	1	13.171	(4.852-21.491)		0	54646419	10.0	0	
58 1,2-Dichloropropane	63	13.614	13.609	0.005	89	211544	10.0	9.93	
59 Methyl methacrylate	69	13.801	13.801	0.000	88	206330	10.0	10.6	
60 1,4-Dioxane	88	13.854	13.860	-0.006	42	72911	10.0	9.20	
61 Dibromomethane	174	13.876	13.870	0.006	90	183544	10.0	9.72	
62 Dichlorobromomethane	83	14.180	14.180	0.000	99	451980	10.0	10.0	
A 63 TVOC as Toluene	1	14.884	(2.994-26.774)		0	100799759	10.0	2631.4	
64 cis-1,3-Dichloropropene	75	15.130	15.130	0.000	92	333012	10.0	10.2	
65 4-Methyl-2-pentanone (MIBK	43	15.434	15.434	0.000	96	413620	10.0	9.41	
A 67 Toluene Range	1	15.712	(15.672-15.752)		0	1527258	NC	NC	
66 Toluene	92	15.711	15.712	-0.001	92	381633	10.0	9.86	
68 n-Octane	43	15.770	15.770	0.000	92	445375	10.0	9.87	
A 69 C8 Range	1	15.784	(15.769-16.270)		0	1810619	NC	NC	
70 trans-1,3-Dichloropropene	75	16.331	16.331	0.000	93	352667	10.0	9.37	
71 1,1,2-Trichloroethane	83	16.704	16.704	0.000	82	209754	10.0	10.1	
72 Tetrachloroethene	166	16.790	16.790	0.000	86	282282	10.0	9.49	
73 2-Hexanone	43	17.168	17.168	0.000	96	399126	10.0	9.16	
74 Chlorodibromomethane	129	17.462	17.462	0.000	97	413545	10.0	9.80	
75 Ethylene Dibromide	107	17.729	17.729	0.000	98	371493	10.0	9.95	
* 76 Chlorobenzene-d5	117	18.625	18.625	0.000	73	683893	10.0	10.0	
77 Chlorobenzene	112	18.684	18.684	0.000	82	493918	10.0	9.69	
78 Ethylbenzene	91	18.834	18.834	0.000	98	838956	10.0	9.72	
79 n-Nonane	57	18.956	18.956	0.000	88	441825	10.0	10.0	
81 m-Xylene & p-Xylene	106	19.084	19.090	-0.006	98	613217	20.0	19.1	
83 o-Xylene	106	19.922	19.928	-0.006	89	316872	10.0	9.47	
84 Styrene	104	19.976	19.981	-0.005	93	475155	10.0	9.92	
S 82 Xylenes, Total	106				0		30.0	28.6	
85 Bromoform	173	20.397	20.397	0.000	94	379774	10.0	9.81	
86 Isopropylbenzene	105	20.595	20.595	0.000	97	897288	10.0	9.52	
$ 87 4-Bromofluorobenzene	95	20.963	20.963	0.000	83	544336	NC	NC	
88 1,1,2,2-Tetrachloroethane	83	21.251	21.251	0.000	95	529355	10.0	9.87	
90 N-Propylbenzene	91	21.310	21.310	0.000	98	1124367	10.0	9.70	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
89 1,2,3-Trichloropropane	75	21.347	21.347	0.000	87	428739	10.0	9.72	
93 n-Decane	57	21.475	21.481	-0.006	88	515598	10.0	10.1	
91 4-Ethyltoluene	105	21.497	21.497	0.000	88	859054	10.0	9.74	
92 2-Chlorotoluene	91	21.502	21.507	-0.005	93	770862	10.0	9.38	
94 1,3,5-Trimethylbenzene	105	21.603	21.603	0.000	91	778204	10.0	9.63	
95 Alpha Methyl Styrene	118	21.966	21.966	0.000	85	381619	10.0	10.6	
96 tert-Butylbenzene	119	22.084	22.084	0.000	87	697753	10.0	9.40	
97 1,2,4-Trimethylbenzene	105	22.180	22.180	0.000	98	769701	10.0	9.56	
98 sec-Butylbenzene	105	22.404	22.409	-0.005	97	1058352	10.0	9.51	
99 4-Isopropyltoluene	119	22.607	22.607	0.000	91	869729	10.0	9.59	
100 1,3-Dichlorobenzene	146	22.633	22.639	-0.006	92	480797	10.0	9.42	
101 1,4-Dichlorobenzene	146	22.767	22.772	-0.005	91	498331	10.0	9.56	
102 Benzyl chloride	91	22.970	22.970	0.000	98	649236	10.0	9.10	
103 n-Butylbenzene	91	23.172	23.173	0.000	99	876871	10.0	9.89	
104 Undecane	57	23.194	23.194	0.000	94	588604	10.0	10.9	
105 1,2-Dichlorobenzene	146	23.301	23.301	0.000	92	472820	10.0	9.41	
106 Dodecane	57	24.774	24.779	-0.005	95	440530	10.0	10.5	
107 1,2,4-Trichlorobenzene	180	25.798	25.798	0.000	93	294488	10.0	9.86	
108 Hexachlorobutadiene	225	25.985	25.985	0.000	88	328384	10.0	10.0	
109 Naphthalene	128	26.289	26.289	0.000	99	634210	10.0	9.46	
110 1,2,3-Trichlorobenzene	180	26.759	26.764	-0.005	95	224311	10.0	10.6	

QC Flag Legend

Processing Flags
NC - Not Calibrated

Reagents:

ATTO15LCSW_00387	Amount Added: 200.00	Units: mL	
ATTO15CISs_00006	Amount Added: 20.00	Units: mL	Run Reagent

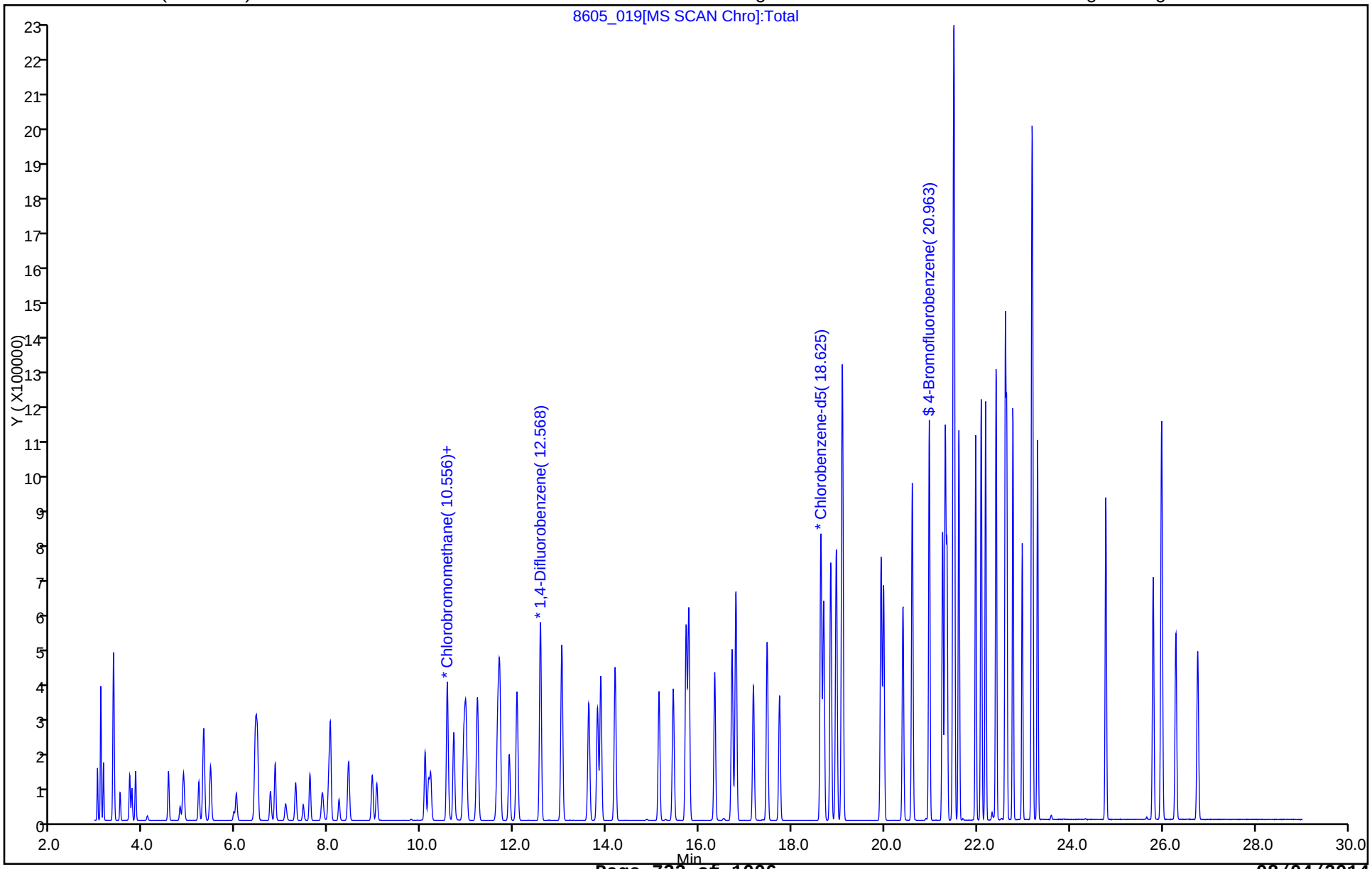
Report Date: 21-Jul-2014 11:28:12 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\8605_019.D

Injection Date:	18-Jul-2014 10:29:30	Instrument ID:	CHC.i	Operator ID:	wrd
Lims ID:	icv			Worklist Smp#:	19
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	18
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 VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Lab Sample ID: CCVIS 200-75211/2 Calibration Date: 07/23/2014 09:29

Instrument ID: CHC.i Calib Start Date: 07/17/2014 12:55

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 07/18/2014 09:36

Lab File ID: 8677_002.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.5866	0.6523		11.1	10.0	11.2	30.0
Dichlorodifluoromethane	Ave	3.097	3.584		11.6	10.0	15.7	30.0
Freon 22	Ave	1.387	1.631		11.8	10.0	17.7	30.0
1,2-Dichlorotetrafluoroethane	Ave	2.679	2.926		10.9	10.0	9.2	30.0
Chloromethane	Ave	0.7367	0.8177		11.1	10.0	11.0	30.0
n-Butane	Ave	1.195	1.319		11.0	10.0	10.3	30.0
Vinyl chloride	Ave	0.9018	0.9771		10.8	10.0	8.4	30.0
1,3-Butadiene	Ave	0.6772	0.7449		11.0	10.0	10.0	30.0
Bromomethane	Ave	0.9214	0.9161		9.94	10.0	-0.6	30.0
Chloroethane	Ave	0.3933	0.4084		10.4	10.0	3.8	30.0
Isopentane	Ave	0.7308	0.7494		10.3	10.0	2.5	30.0
Bromoethene(Vinyl Bromide)	Ave	0.9068	0.8737		9.63	10.0	-3.6	30.0
Trichlorofluoromethane	Ave	3.311	3.543		10.7	10.0	7.0	30.0
n-Pentane	Ave	1.222	1.270		10.4	10.0	3.9	30.0
Ethanol	Ave	0.2427	0.2332		14.4	15.0	-3.9	30.0
Ethyl ether	Ave	0.5219	0.5672		10.9	10.0	8.7	30.0
Acrolein	Ave	0.2229	0.2329		10.4	10.0	4.5	30.0
Freon TF	Ave	1.853	1.923		10.4	10.0	3.8	30.0
1,1-Dichloroethene	Ave	0.8710	0.8913		10.2	10.0	2.3	30.0
Acetone	Ave	1.205	1.346		11.2	10.0	11.7	30.0
Carbon disulfide	Ave	2.558	2.385		9.32	10.0	-6.8	30.0
Isopropyl alcohol	Ave	0.9611	1.111		11.6	10.0	15.6	30.0
3-Chloropropene	Ave	0.9161	0.9528		10.4	10.0	4.0	30.0
Acetonitrile	Ave	0.4659	0.5103		11.0	10.0	9.5	30.0
Methylene Chloride	Ave	0.8513	0.9000		10.6	10.0	5.7	30.0
tert-Butyl alcohol	Ave	1.585	1.825		11.5	10.0	15.1	30.0
Methyl tert-butyl ether	Ave	2.567	2.705		10.5	10.0	5.4	30.0
trans-1,2-Dichloroethene	Ave	1.209	1.273		10.5	10.0	5.3	30.0
Acrylonitrile	Ave	0.4966	0.5335		10.7	10.0	7.4	30.0
n-Hexane	Ave	1.110	1.136		10.2	10.0	2.3	30.0
1,1-Dichloroethane	Ave	1.618	1.721		10.6	10.0	6.3	30.0
Vinyl acetate	Ave	2.010	2.165		10.8	10.0	7.7	30.0
cis-1,2-Dichloroethene	Ave	1.154	1.137		9.84	10.0	-1.5	30.0
Methyl Ethyl Ketone	Ave	0.5311	0.5112		9.62	10.0	-3.7	30.0
Ethyl acetate	Ave	0.0817	0.0799		9.78	10.0	-2.2	30.0
Tetrahydrofuran	Ave	0.1637	0.1749		10.7	10.0	6.9	30.0
Chloroform	Ave	2.706	2.856		10.6	10.0	5.6	30.0
Cyclohexane	Ave	0.2498	0.2426		9.71	10.0	-2.9	30.0
1,1,1-Trichloroethane	Ave	0.5201	0.5352		10.3	10.0	2.9	30.0
Carbon tetrachloride	Ave	0.5638	0.5749		10.2	10.0	2.0	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Lab Sample ID: CCVIS 200-75211/2 Calibration Date: 07/23/2014 09:29

Instrument ID: CHC.i Calib Start Date: 07/17/2014 12:55

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 07/18/2014 09:36

Lab File ID: 8677_002.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,2,4-Trimethylpentane	Ave	0.9842	1.009		10.2	10.0	2.5	30.0
Benzene	Ave	0.6336	0.6213		9.80	10.0	-1.9	30.0
1,2-Dichloroethane	Ave	0.3589	0.3801		10.6	10.0	5.9	30.0
n-Heptane	Ave	0.3917	0.4140		10.6	10.0	5.7	30.0
n-Butanol	Ave	0.1260	0.1400		11.1	10.0	11.1	30.0
Trichloroethene	Ave	0.3473	0.3503		10.1	10.0	0.9	30.0
1,2-Dichloropropane	Ave	0.3148	0.3124		9.92	10.0	-0.8	30.0
Methyl methacrylate	Ave	0.2882	0.2893		10.0	10.0	0.4	30.0
1,4-Dioxane	Ave	0.1172	0.1322		11.3	10.0	12.8	30.0
Dibromomethane	Ave	0.2792	0.2668		9.55	10.0	-4.4	30.0
Bromodichloromethane	Ave	0.6672	0.6901		10.3	10.0	3.4	30.0
cis-1,3-Dichloropropene	Ave	0.4833	0.4843		10.0	10.0	0.2	30.0
methyl isobutyl ketone	Ave	0.6496	0.6402		9.85	10.0	-1.4	30.0
Toluene	Ave	0.5662	0.5502		9.71	10.0	-2.8	30.0
n-Octane	Ave	0.6672	0.6771		10.1	10.0	1.5	30.0
trans-1,3-Dichloropropene	Ave	0.5562	0.5189		9.33	10.0	-6.7	30.0
1,1,2-Trichloroethane	Ave	0.3046	0.3081		10.1	10.0	1.2	30.0
Tetrachloroethene	Ave	0.4350	0.4186		9.62	10.0	-3.8	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.6374	0.6255		9.81	10.0	-1.9	30.0
Dibromochloromethane	Ave	0.6172	0.6476		10.5	10.0	4.9	30.0
1,2-Dibromoethane	Ave	0.5460	0.5493		10.1	10.0	0.6	30.0
Chlorobenzene	Ave	0.7449	0.7175		9.63	10.0	-3.7	30.0
Ethylbenzene	Ave	1.262	1.260		9.98	10.0	-0.2	30.0
n-Nonane	Ave	0.6459	0.6594		10.2	10.0	2.1	30.0
m,p-Xylene	Ave	0.4694	0.4640		19.8	20.0	-1.2	30.0
Xylene, o-	Ave	0.4892	0.4948		10.1	10.0	1.2	30.0
Styrene	Ave	0.7003	0.7190		10.3	10.0	2.7	30.0
Bromoform	Ave	0.5663	0.5915		10.4	10.0	4.4	30.0
Cumene	Ave	1.378	1.418		10.3	10.0	2.9	30.0
1,1,2,2-Tetrachloroethane	Ave	0.7846	0.8242		10.5	10.0	5.0	30.0
n-Propylbenzene	Ave	1.694	1.807		10.7	10.0	6.7	30.0
1,2,3-Trichloropropane	Ave	0.6451	0.6920		10.7	10.0	7.3	30.0
n-Decane	Ave	0.7430	0.8410		11.3	10.0	13.2	30.0
4-Ethyltoluene	Ave	1.290	1.336		10.3	10.0	3.5	30.0
2-Chlorotoluene	Ave	1.202	1.256		10.4	10.0	4.5	30.0
1,3,5-Trimethylbenzene	Ave	1.182	1.237		10.5	10.0	4.7	30.0
Alpha Methyl Styrene	Ave	0.5254	0.5861		11.2	10.0	11.6	30.0
tert-Butylbenzene	Ave	1.086	1.109		10.2	10.0	2.1	30.0
1,2,4-Trimethylbenzene	Ave	1.177	1.228		10.4	10.0	4.3	30.0
sec-Butylbenzene	Ave	1.628	1.692		10.4	10.0	3.9	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Lab Sample ID: CCVIS 200-75211/2 Calibration Date: 07/23/2014 09:29

Instrument ID: CHC.i Calib Start Date: 07/17/2014 12:55

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 07/18/2014 09:36

Lab File ID: 8677_002.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Isopropyltoluene	Ave	1.326	1.373		10.4	10.0	3.6	30.0
1,3-Dichlorobenzene	Ave	0.7467	0.7402		9.91	10.0	-0.9	30.0
1,4-Dichlorobenzene	Ave	0.7623	0.7772		10.2	10.0	2.0	30.0
Benzyl chloride	Ave	1.043	1.075		10.3	10.0	3.1	30.0
n-Butylbenzene	Ave	1.297	1.422		11.0	10.0	9.7	30.0
n-Undecane	Ave	0.7899	0.9527		12.1	10.0	20.6	30.0
1,2-Dichlorobenzene	Ave	0.7343	0.7406		10.1	10.0	0.9	30.0
n-Dodecane	Ave	0.6117	0.9409		15.4	10.0	53.8*	30.0
1,2,4-Trichlorobenzene	Ave	0.4368	0.5388		12.3	10.0	23.4	30.0
Hexachlorobutadiene	Ave	0.4805	0.5318		11.1	10.0	10.7	30.0
Naphthalene	Ave	0.9798	1.346		13.7	10.0	37.3*	30.0
1,2,3-Trichlorobenzene	Ave	0.3095	0.4858		15.7	10.0	57.0*	30.0

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140723-8677.b\8677_002.D
Lims ID: ccvis
Client ID:
Sample Type: CCVIS
Inject. Date: 23-Jul-2014 09:29:30 ALS Bottle#: 2 Worklist Smp#: 2
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0008677-007
Misc. Info.: ccvis
Operator ID: bpl Instrument ID: CHC.i
Sublist: chrom-TO15_LLNJ_TO3_CHC*sub2

Method: \\BTV-LIMS1\ChromData\CHC.i\20140723-8677.b\TO15_LLNJ_TO3_CHC.m
Limit Group: AI_TO15_ICAL
Last Update: 23-Jul-2014 11:10:38 Calib Date: 18-Jul-2014 09:36:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\8605_018.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK001

First Level Reviewer: lyonsb Date: 23-Jul-2014 10:27:56

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	3.004	3.004	0.000	95	70652	10.0	11.1	
2 Dichlorodifluoromethane	85	3.079	3.079	0.000	99	388198	10.0	11.6	
6 Chlorodifluoromethane	51	3.132	3.132	0.000	96	176709	10.0	11.8	
7 1,2-Dichloro-1,1,2,2-tetra	85	3.351	3.351	0.000	93	316940	10.0	10.9	
8 Chloromethane	50	3.495	3.495	0.000	99	88577	10.0	11.1	
9 Butane	43	3.698	3.698	0.000	96	142836	10.0	11.0	
10 Vinyl chloride	62	3.746	3.746	0.000	98	105841	10.0	10.8	
11 Butadiene	54	3.832	3.832	0.000	93	80688	10.0	11.0	
12 Bromomethane	94	4.536	4.536	0.000	98	99234	10.0	9.94	
18 BFB									
13 Chloroethane	64	4.792	4.792	0.000	99	44234	10.0	10.4	
14 2-Methylbutane	43	4.862	4.862	0.000	89	81171	10.0	10.3	
15 Vinyl bromide	106	5.192	5.192	0.000	98	94641	10.0	9.63	
16 Trichlorofluoromethane	101	5.294	5.294	0.000	99	383803	10.0	10.7	
17 Pentane	43	5.443	5.443	0.000	93	137528	10.0	10.4	
19 Ethanol	45	5.950	5.950	0.000	99	37903	15.0	14.4	
21 Ethyl ether	59	6.004	6.004	0.000	94	61434	10.0	10.9	
22 Acrolein	56	6.409	6.409	0.000	36	25232	10.0	10.4	
23 1,1,2-Trichloro-1,2,2-trif	101	6.425	6.425	0.000	97	208300	10.0	10.4	
24 1,1-Dichloroethene	96	6.463	6.463	0.000	99	96541	10.0	10.2	
25 Acetone	43	6.740	6.740	0.000	86	145826	10.0	11.2	
26 Carbon disulfide	76	6.842	6.842	0.000	100	258343	10.0	9.32	
27 Isopropyl alcohol	45	7.071	7.071	0.000	98	120324	10.0	11.6	
29 3-Chloro-1-propene	41	7.285	7.285	0.000	88	103210	10.0	10.4	
30 Acetonitrile	41	7.445	7.445	0.000	97	55279	10.0	11.0	
31 Methylene Chloride	49	7.589	7.589	0.000	90	97491	10.0	10.6	
32 2-Methyl-2-propanol	59	7.861	7.861	0.000	99	197685	10.0	11.5	
33 Methyl tert-butyl ether	73	8.005	8.005	0.000	96	293056	10.0	10.5	
34 trans-1,2-Dichloroethene	61	8.037	8.037	0.000	94	137865	10.0	10.5	
35 Acrylonitrile	53	8.219	8.219	0.000	93	57790	10.0	10.7	

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	8.427	8.427	0.000	91	123015	10.0	10.2	
37 1,1-Dichloroethane	63	8.934	8.934	0.000	99	186387	10.0	10.6	
38 Vinyl acetate	43	9.035	9.035	0.000	99	234560	10.0	10.8	
39 cis-1,2-Dichloroethene	96	10.081	10.081	0.000	96	123114	10.0	9.84	
40 2-Butanone (MEK)	72	10.156	10.156	0.000	99	55378	10.0	9.62	
42 Ethyl acetate	88	10.199	10.199	0.000	99	8655	10.0	9.78	
S 41 1,2-Dichloroethene, Total	61				0		20.0	20.4	
* 43 Chlorobromomethane	128	10.551	10.551	0.000	89	108342	10.0	10.0	
44 Tetrahydrofuran	42	10.567	10.567	0.000	90	119262	10.0	10.7	
45 Chloroform	83	10.695	10.695	0.000	99	309392	10.0	10.6	
46 Cyclohexane	84	10.919	10.919	0.000	92	165415	10.0	9.71	
47 1,1,1-Trichloroethane	97	10.956	10.956	0.000	97	364823	10.0	10.3	
48 Carbon tetrachloride	117	11.207	11.207	0.000	99	391940	10.0	10.2	
51 Isooctane	57	11.655	11.655	0.000	98	687656	10.0	10.2	
50 Benzene	78	11.693	11.693	0.000	97	423574	10.0	9.80	
52 1,2-Dichloroethane	62	11.896	11.896	0.000	99	259136	10.0	10.6	
53 n-Heptane	43	12.061	12.061	0.000	92	282213	10.0	10.6	
* 54 1,4-Difluorobenzene	114	12.568	12.568	0.000	96	681851	10.0	10.0	
55 n-Butanol	56	13.016	13.016	0.000	90	95443	10.0	11.1	
56 Trichloroethene	95	13.032	13.032	0.000	94	238775	10.0	10.1	
A 57 GRO	1	13.168	(4.852-21.485)		0	59832237	10.0	0	
58 1,2-Dichloropropane	63	13.614	13.614	0.000	88	212973	10.0	9.92	
59 Methyl methacrylate	69	13.801	13.801	0.000	90	197191	10.0	10.0	
60 1,4-Dioxane	88	13.860	13.860	0.000	96	90130	10.0	11.3	
61 Dibromomethane	174	13.876	13.876	0.000	89	181865	10.0	9.55	
62 Dichlorobromomethane	83	14.180	14.180	0.000	100	470419	10.0	10.3	
A 63 TVOC as Toluene	1	14.882	(2.994-26.769)		0	113201319	10.0	2932.2	
64 cis-1,3-Dichloropropene	75	15.130	15.130	0.000	94	330133	10.0	10.0	
65 4-Methyl-2-pentanone (MIBK	43	15.434	15.434	0.000	97	436409	10.0	9.85	
A 67 Toluene Range	1	15.712	(15.672-15.752)		0	1548111	NC	NC	
66 Toluene	92	15.712	15.712	0.000	94	376162	10.0	9.71	
68 n-Octane	43	15.770	15.770	0.000	93	461616	10.0	10.1	
A 69 C8 Range	1	16.008	(15.769-16.270)		0	1838306	NC	NC	
70 trans-1,3-Dichloropropene	75	16.331	16.331	0.000	97	353760	10.0	9.33	
71 1,1,2-Trichloroethane	83	16.704	16.704	0.000	94	210659	10.0	10.1	
72 Tetrachloroethene	166	16.790	16.790	0.000	91	286188	10.0	9.62	
73 2-Hexanone	43	17.163	17.163	0.000	96	427679	10.0	9.81	
74 Chlorodibromomethane	129	17.462	17.462	0.000	97	442745	10.0	10.5	
75 Ethylene Dibromide	107	17.729	17.729	0.000	98	375573	10.0	10.1	
* 76 Chlorobenzene-d5	117	18.620	18.620	0.000	92	683845	10.0	10.0	
77 Chlorobenzene	112	18.684	18.684	0.000	90	490539	10.0	9.63	
78 Ethylbenzene	91	18.834	18.834	0.000	99	861284	10.0	9.98	
79 n-Nonane	57	18.956	18.956	0.000	90	450805	10.0	10.2	
81 m-Xylene & p-Xylene	106	19.084	19.084	0.000	98	634435	20.0	19.8	
83 o-Xylene	106	19.922	19.922	0.000	93	338321	10.0	10.1	
84 Styrene	104	19.976	19.976	0.000	93	491576	10.0	10.3	
S 82 Xylenes, Total	106				0		30.0	29.9	
85 Bromoform	173	20.392	20.392	0.000	93	404412	10.0	10.4	
86 Isopropylbenzene	105	20.595	20.595	0.000	98	969416	10.0	10.3	
$ 87 4-Bromofluorobenzene	95	20.963	20.963	0.000	81	578981	NC	NC	
88 1,1,2,2-Tetrachloroethane	83	21.251	21.251	0.000	97	563495	10.0	10.5	
90 N-Propylbenzene	91	21.310	21.310	0.000	98	1235441	10.0	10.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
89 1,2,3-Trichloropropane	75	21.342	21.342	0.000	97	473121	10.0	10.7	
93 n-Decane	57	21.475	21.475	0.000	89	574989	10.0	11.3	
91 4-Ethyltoluene	105	21.497	21.497	0.000	97	913171	10.0	10.3	
92 2-Chlorotoluene	91	21.502	21.502	0.000	95	859022	10.0	10.4	
94 1,3,5-Trimethylbenzene	105	21.603	21.603	0.000	91	845684	10.0	10.5	
95 Alpha Methyl Styrene	118	21.966	21.966	0.000	86	400707	10.0	11.2	
96 tert-Butylbenzene	119	22.084	22.084	0.000	89	758149	10.0	10.2	
97 1,2,4-Trimethylbenzene	105	22.180	22.180	0.000	99	839388	10.0	10.4	
98 sec-Butylbenzene	105	22.404	22.404	0.000	97	1156745	10.0	10.4	
99 4-Isopropyltoluene	119	22.607	22.607	0.000	95	938880	10.0	10.4	
100 1,3-Dichlorobenzene	146	22.633	22.633	0.000	92	506087	10.0	9.91	
101 1,4-Dichlorobenzene	146	22.772	22.772	0.000	90	531355	10.0	10.2	
102 Benzyl chloride	91	22.970	22.970	0.000	98	735152	10.0	10.3	
103 n-Butylbenzene	91	23.173	23.173	0.000	99	972039	10.0	11.0	
104 Undecane	57	23.194	23.194	0.000	94	651337	10.0	12.1	
105 1,2-Dichlorobenzene	146	23.301	23.301	0.000	92	506354	10.0	10.1	
106 Dodecane	57	24.774	24.774	0.000	96	643268	10.0	15.4	
107 1,2,4-Trichlorobenzene	180	25.798	25.798	0.000	93	368377	10.0	12.3	
108 Hexachlorobutadiene	225	25.980	25.980	0.000	87	363624	10.0	11.1	
109 Naphthalene	128	26.289	26.289	0.000	99	920053	10.0	13.7	
110 1,2,3-Trichlorobenzene	180	26.759	26.759	0.000	94	332169	10.0	15.7	

QC Flag Legend

Processing Flags
NC - Not Calibrated

Reagents:

ATTO15CAL4w_00370	Amount Added: 200.00	Units: mL	
ATTO15CISs_00006	Amount Added: 20.00	Units: mL	Run Reagent

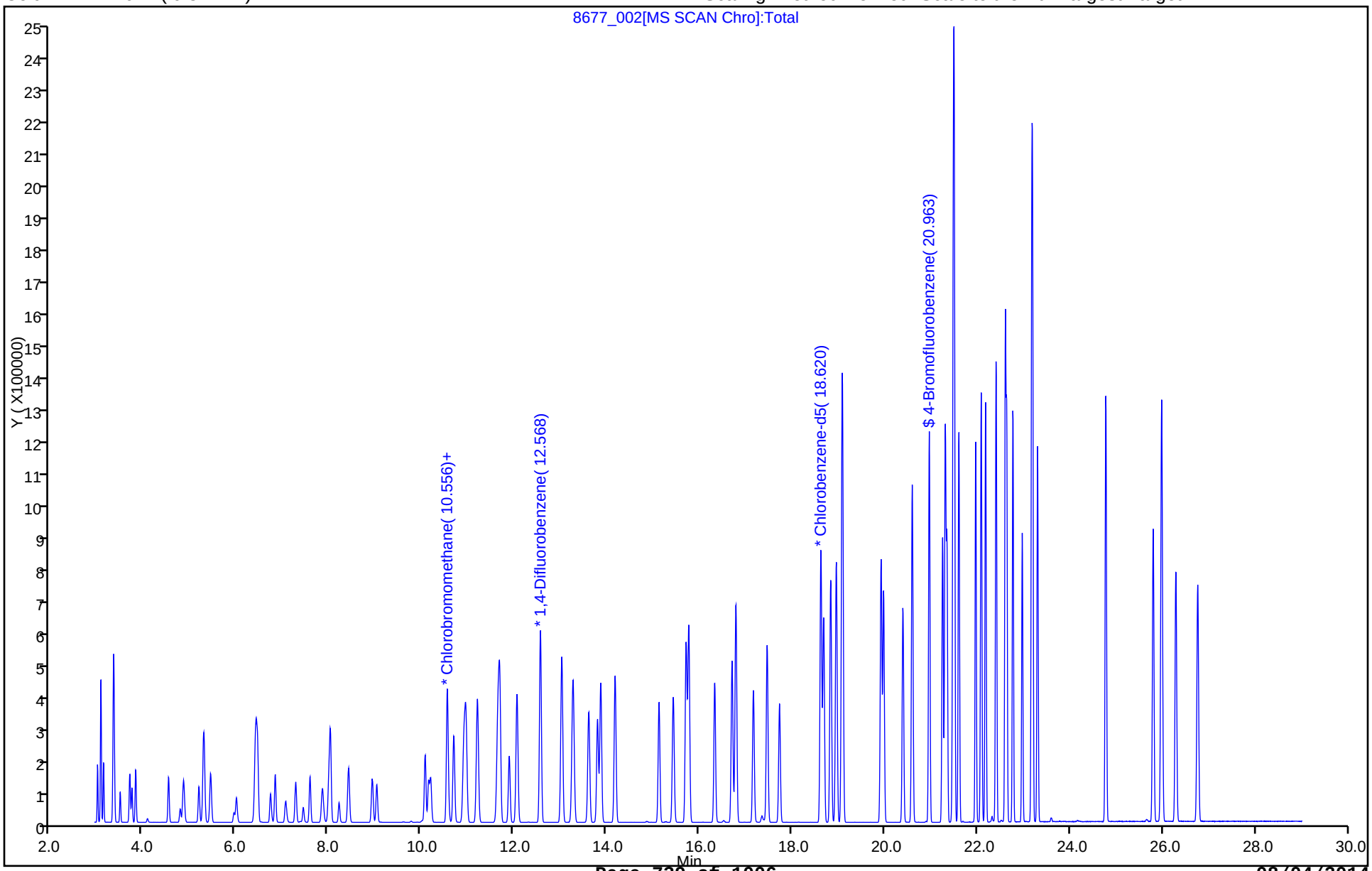
Report Date: 23-Jul-2014 11:10:39 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140723-8677.b\8677_002.D

Injection Date:	23-Jul-2014 09:29:30	Instrument ID:	CHC.i	Operator ID:	bpl
Lims ID:	ccvis			Worklist Smp#:	2
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	2
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 VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Lab Sample ID: ICV 200-73568/19 Calibration Date: 06/15/2014 02:11

Instrument ID: CHW.i Calib Start Date: 06/14/2014 09:46

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 06/15/2014 00:33

Lab File ID: 8058_019.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.7346	0.7034		9.57	10.0	-4.2	30.0
Dichlorodifluoromethane	Ave	2.924	3.023		10.3	10.0	3.4	30.0
Freon 22	Ave	1.462	1.498		10.2	10.0	2.5	30.0
1,2-Dichlorotetrafluoroethane	Ave	2.926	3.348		11.4	10.0	14.4	30.0
Chloromethane	Ave	0.8652	0.8644		9.99	10.0	-0.0	30.0
n-Butane	Ave	1.434	1.464		10.2	10.0	2.1	30.0
Vinyl chloride	Ave	1.075	1.089		10.1	10.0	1.3	30.0
1,3-Butadiene	Ave	0.7639	0.7823		10.2	10.0	2.4	30.0
Bromomethane	Ave	1.080	1.107		10.3	10.0	2.5	30.0
Chloroethane	Ave	0.6068	0.6103		10.1	10.0	0.6	30.0
Isopentane	Ave	1.136	1.188		10.5	10.0	4.5	30.0
Bromoethene(Vinyl Bromide)	Ave	1.323	1.348		10.2	10.0	1.9	30.0
Trichlorofluoromethane	Ave	3.226	3.282		10.2	10.0	1.7	30.0
n-Pentane	Ave	1.633	1.862		11.4	10.0	14.0	30.0
Ethanol	Ave	0.4158	0.4073		14.7	15.0	-2.0	30.0
Ethyl ether	Ave	0.7309	0.8331		11.4	10.0	14.0	30.0
Acrolein	Ave	0.3109	0.3913		12.6	10.0	25.8	30.0
Freon TF	Ave	2.473	2.567		10.4	10.0	3.8	30.0
1,1-Dichloroethene	Ave	1.213	1.247		10.3	10.0	2.8	30.0
Acetone	Ave	1.526	1.745		11.4	10.0	14.3	30.0
Carbon disulfide	Ave	3.022	3.463		11.5	10.0	14.6	30.0
Isopropyl alcohol	Ave	1.287	1.223		9.50	10.0	-5.0	30.0
3-Chloropropene	Ave	1.164	1.159		9.95	10.0	-0.4	30.0
Acetonitrile	Ave	0.6509	0.6968		10.7	10.0	7.1	30.0
Methylene Chloride	Ave	1.047	1.064		10.2	10.0	1.6	30.0
tert-Butyl alcohol	Ave	1.859	1.866		10.0	10.0	0.4	30.0
Methyl tert-butyl ether	Ave	3.241	3.401		10.5	10.0	4.9	30.0
trans-1,2-Dichloroethene	Ave	1.455	1.607		11.0	10.0	10.4	30.0
Acrylonitrile	Ave	0.7082	0.7738		10.9	10.0	9.3	30.0
n-Hexane	Ave	1.763	1.822		10.3	10.0	3.3	30.0
1,1-Dichloroethane	Ave	1.924	2.033		10.6	10.0	5.7	30.0
Vinyl acetate	Ave	2.357	2.402		10.2	10.0	1.9	30.0
cis-1,2-Dichloroethene	Ave	1.363	1.398		10.3	10.0	2.6	30.0
Methyl Ethyl Ketone	Ave	0.6442	0.6493		10.1	10.0	0.8	30.0
Ethyl acetate	Ave	0.1082	0.1250		11.5	10.0	15.4	30.0
Tetrahydrofuran	Ave	0.2121	0.2299		10.8	10.0	8.4	30.0
Chloroform	Ave	2.381	2.495		10.5	10.0	4.8	30.0
Cyclohexane	Ave	0.3707	0.3922		10.6	10.0	5.8	30.0
1,1,1-Trichloroethane	Ave	0.5284	0.5583		10.6	10.0	5.7	30.0
Carbon tetrachloride	Ave	0.5791	0.6220		10.7	10.0	7.4	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Lab Sample ID: ICV 200-73568/19 Calibration Date: 06/15/2014 02:11

Instrument ID: CHW.i Calib Start Date: 06/14/2014 09:46

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 06/15/2014 00:33

Lab File ID: 8058_019.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,2,4-Trimethylpentane	Ave	1.110	1.162		10.5	10.0	4.7	30.0
Benzene	Ave	0.7846	0.8178		10.4	10.0	4.2	30.0
1,2-Dichloroethane	Ave	0.2897	0.3020		10.4	10.0	4.3	30.0
n-Heptane	Ave	0.4010	0.3860		9.63	10.0	-3.7	30.0
n-Butanol	Ave	0.1256	0.1263		10.0	10.0	0.5	30.0
Trichloroethene	Ave	0.3675	0.3796		10.3	10.0	3.3	30.0
1,2-Dichloropropane	Ave	0.2693	0.2786		10.3	10.0	3.5	30.0
Methyl methacrylate	Ave	0.2655	0.2897		10.9	10.0	9.1	30.0
1,4-Dioxane	Ave	0.1355	0.1362		10.1	10.0	0.6	30.0
Dibromomethane	Ave	0.4358	0.4557		10.5	10.0	4.6	30.0
Bromodichloromethane	Ave	0.5232	0.5583		10.7	10.0	6.7	30.0
cis-1,3-Dichloropropene	Ave	0.4034	0.4421		11.0	10.0	9.6	30.0
methyl isobutyl ketone	Ave	0.4611	0.4884		10.6	10.0	5.9	30.0
n-Octane	Ave	0.5158	0.5182		10.0	10.0	0.5	30.0
Toluene	Ave	0.7106	0.7024		9.88	10.0	-1.2	30.0
trans-1,3-Dichloropropene	Ave	0.4011	0.4413		11.0	10.0	10.0	30.0
1,1,2-Trichloroethane	Ave	0.3064	0.3240		10.6	10.0	5.7	30.0
Tetrachloroethene	Ave	0.7360	0.7747		10.5	10.0	5.3	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.4820	0.5076		10.5	10.0	5.3	30.0
Dibromochloromethane	Ave	0.7067	0.7593		10.7	10.0	7.4	30.0
1,2-Dibromoethane	Ave	0.5988	0.6410		10.7	10.0	7.1	30.0
Chlorobenzene	Ave	0.9822	1.032		10.5	10.0	5.1	30.0
Ethylbenzene	Ave	1.413	1.495		10.6	10.0	5.8	30.0
n-Nonane	Ave	0.6008	0.6151		10.2	10.0	2.4	30.0
m,p-Xylene	Ave	0.6039	0.6528		21.6	20.0	8.1	30.0
Xylene, o-	Ave	0.6168	0.6484		10.5	10.0	5.1	30.0
Styrene	Ave	0.8948	0.9678		10.8	10.0	8.2	30.0
Bromoform	Ave	0.7586	0.8602		11.3	10.0	13.4	30.0
Cumene	Ave	1.685	1.805		10.7	10.0	7.1	30.0
1,1,2,2-Tetrachloroethane	Ave	0.7754	0.8554		11.0	10.0	10.3	30.0
n-Propylbenzene	Ave	1.881	2.041		10.8	10.0	8.5	30.0
1,2,3-Trichloropropane	Ave	0.5980	0.6422		10.7	10.0	7.4	30.0
n-Decane	Ave	0.7332	0.8118		11.1	10.0	10.7	30.0
4-Ethyltoluene	Ave	1.677	1.874		11.2	10.0	11.8	30.0
2-Chlorotoluene	Ave	1.371	1.468		10.7	10.0	7.1	30.0
1,3,5-Trimethylbenzene	Ave	1.432	1.557		10.9	10.0	8.7	30.0
Alpha Methyl Styrene	Ave	0.7245	0.7078		9.77	10.0	-2.3	30.0
tert-Butylbenzene	Ave	1.474	1.594		10.8	10.0	8.2	30.0
1,2,4-Trimethylbenzene	Ave	1.440	1.570		10.9	10.0	9.0	30.0
sec-Butylbenzene	Ave	2.055	2.241		10.9	10.0	9.1	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Lab Sample ID: ICV 200-73568/19 Calibration Date: 06/15/2014 02:11

Instrument ID: CHW.i Calib Start Date: 06/14/2014 09:46

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 06/15/2014 00:33

Lab File ID: 8058_019.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Isopropyltoluene	Ave	1.825	2.025		11.1	10.0	11.0	30.0
1,3-Dichlorobenzene	Ave	1.115	1.250		11.2	10.0	12.1	30.0
1,4-Dichlorobenzene	Ave	1.090	1.228		11.3	10.0	12.7	30.0
Benzyl chloride	Ave	0.9111	1.082		11.9	10.0	18.8	30.0
n-Undecane	Ave	0.7476	0.8986		12.0	10.0	20.2	30.0
n-Butylbenzene	Ave	1.471	1.639		11.1	10.0	11.5	30.0
1,2-Dichlorobenzene	Ave	1.088	1.198		11.0	10.0	10.2	30.0
n-Dodecane	Ave	0.6729	0.8562		12.7	10.0	27.2	30.0
1,2,4-Trichlorobenzene	Ave	0.8812	0.9950		11.3	10.0	12.9	30.0
Hexachlorobutadiene	Ave	0.9202	1.042		11.3	10.0	13.2	30.0
Naphthalene	Ave	1.693	1.723		10.2	10.0	1.7	30.0
1,2,3-Trichlorobenzene	Ave	0.8037	0.9059		11.3	10.0	12.7	30.0

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140613-8058.b\8058_019.d
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 15-Jun-2014 02:11:30 ALS Bottle#: 18 Worklist Smp#: 19
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0008058-019
Misc. Info.: ICV
Operator ID: PAD Instrument ID: CHW.i
Sublist:

Method: \\BTV-LIMS1\ChromData\CHW.i\20140613-8058.b\TO15_LLNJ_TO3_W_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 16-Jun-2014 10:40:59 Calib Date: 15-Jun-2014 00:33:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20140613-8058.b\8058_017.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK030

First Level Reviewer: daiglep Date: 16-Jun-2014 10:37:01

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	4.413	4.419	-0.006	98	465841	10.0	9.57	
2 Dichlorodifluoromethane	85	4.510	4.515	-0.005	88	2001732	10.0	10.3	
6 Chlorodifluoromethane	51	4.574	4.579	-0.005	76	992349	10.0	10.2	
7 1,2-Dichloro-1,1,2,2-tetra	85	4.857	4.863	-0.006	90	2216988	10.0	11.4	
8 Chloromethane	50	5.050	5.061	-0.011	89	572439	10.0	9.99	
9 Butane	43	5.317	5.323	-0.006	98	969283	10.0	10.2	
10 Vinyl chloride	62	5.371	5.376	-0.005	81	720854	10.0	10.1	
11 Butadiene	54	5.467	5.478	-0.011	93	518091	10.0	10.2	
12 Bromomethane	94	6.339	6.339	0.000	99	733178	10.0	10.3	
13 BFB									
14 Chloroethane	64	6.617	6.623	-0.006	96	404155	10.0	10.1	
15 2-Methylbutane	43	6.703	6.708	-0.005	92	786743	10.0	10.5	
16 Vinyl bromide	106	7.093	7.099	-0.006	98	892909	10.0	10.2	
17 Trichlorofluoromethane	101	7.211	7.217	-0.006	87	2173294	10.0	10.2	
18 Pentane	43	7.372	7.377	-0.005	96	1233099	10.0	11.4	
19 Ethanol	45	7.826	7.832	-0.006	99	404791	15.0	14.7	
21 Ethyl ether	59	7.955	7.960	-0.005	94	551700	10.0	11.4	
22 Acrolein	56	8.415	8.426	-0.011	97	259102	10.0	12.6	
23 1,1,2-Trichloro-1,2,2-trif	101	8.452	8.458	-0.006	92	1700126	10.0	10.4	
24 1,1-Dichloroethene	96	8.527	8.533	-0.006	85	825945	10.0	10.3	
25 Acetone	43	8.757	8.763	-0.006	89	1155457	10.0	11.4	
26 Carbon disulfide	76	9.014	9.019	-0.005	98	2293366	10.0	11.5	
27 Isopropyl alcohol	45	9.051	9.057	-0.006	98	809979	10.0	9.50	
29 3-Chloro-1-propene	41	9.410	9.415	-0.005	90	767338	10.0	9.95	
30 Acetonitrile	41	9.544	9.549	-0.005	99	461455	10.0	10.7	
31 Methylene Chloride	49	9.742	9.747	-0.005	81	704720	10.0	10.2	
32 2-Methyl-2-propanol	59	9.918	9.929	-0.011	99	1235774	10.0	10.0	
33 Methyl tert-butyl ether	73	10.164	10.170	-0.006	96	2251990	10.0	10.5	
S 41 1,2-Dichloroethene, Total	61				0		20.0	21.3	
34 trans-1,2-Dichloroethene	61	10.239	10.244	-0.005	80	1064258	10.0	11.0	

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	10.389	10.394	-0.005	96	512471	10.0	10.9	
36 Hexane	57	10.651	10.656	-0.005	89	1206454	10.0	10.3	
37 1,1-Dichloroethane	63	11.202	11.202	0.000	94	1346382	10.0	10.6	
38 Vinyl acetate	43	11.234	11.240	-0.006	99	1590795	10.0	10.2	
39 cis-1,2-Dichloroethene	96	12.374	12.379	-0.005	92	926057	10.0	10.3	
40 2-Butanone (MEK)	72	12.390	12.390	0.000	99	429988	10.0	10.1	
42 Ethyl acetate	88	12.406	12.416	-0.010	97	82758	10.0	11.5	
44 Tetrahydrofuran	42	12.850	12.855	-0.005	89	738703	10.0	10.8	
* 43 Chlorobromomethane	128	12.855	12.860	-0.005	83	662374	10.0	10.0	
45 Chloroform	83	12.967	12.967	0.000	94	1652058	10.0	10.5	
46 Cyclohexane	84	13.262	13.267	-0.005	86	1260307	10.0	10.6	
47 1,1,1-Trichloroethane	97	13.272	13.278	-0.006	92	1793906	10.0	10.6	
48 Carbon tetrachloride	117	13.529	13.535	-0.006	89	1998496	10.0	10.7	
51 Isooctane	57	13.920	13.920	0.000	99	3733718	10.0	10.5	
50 Benzene	78	13.979	13.984	-0.005	92	2627776	10.0	10.4	
52 1,2-Dichloroethane	62	14.139	14.144	-0.005	91	970495	10.0	10.4	
53 n-Heptane	43	14.267	14.273	-0.006	86	1240396	10.0	9.63	
* 54 1,4-Difluorobenzene	114	14.738	14.744	-0.006	92	3213738	10.0	10.0	
A 57 GRO	1	14.776	(6.698-22.853)		0	328187431	10.0	0	
55 n-Butanol	56	15.022	15.027	-0.005	84	405709	10.0	10.0	
56 Trichloroethene	95	15.204	15.209	-0.005	89	1219593	10.0	10.3	
58 1,2-Dichloropropane	63	15.723	15.723	0.000	92	895297	10.0	10.3	
59 Methyl methacrylate	69	15.803	15.808	-0.005	80	930865	10.0	10.9	
60 1,4-Dioxane	88	15.899	15.899	0.000	85	437706	10.0	10.1	
61 Dibromomethane	174	15.969	15.969	0.000	87	1464096	10.0	10.5	
62 Dichlorobromomethane	83	16.215	16.215	0.000	95	1793984	10.0	10.7	
A 63 TVOC as Toluene	92	16.637	(4.409-28.866)		0	581153921	10.0	2544.7	
64 cis-1,3-Dichloropropene	75	17.076	17.076	0.000	83	1420366	10.0	11.0	
65 4-Methyl-2-pentanone (MIBK	43	17.306	17.311	-0.005	93	1569244	10.0	10.6	
69 n-Octane	43	17.643	17.643	0.000	86	1664934	10.0	10.0	
A 68 C8 Range	1	17.643	(17.593-17.693)		0	14814524	NC	NC	
66 Toluene	92	17.648	17.648	0.000	94	2069732	10.0	9.88	
A 67 Toluene Range	92	17.648	(17.608-17.688)		0	14814524	10.0	70.7	E
70 trans-1,3-Dichloropropene	75	18.178	18.183	-0.005	92	1417912	10.0	11.0	
71 1,1,2-Trichloroethane	83	18.547	18.553	-0.006	93	954666	10.0	10.6	
72 Tetrachloroethene	166	18.686	18.686	0.000	89	2282999	10.0	10.5	
73 2-Hexanone	43	18.932	18.932	0.000	92	1495867	10.0	10.5	
74 Chlorodibromomethane	129	19.307	19.307	0.000	96	2237438	10.0	10.7	
75 Ethylene Dibromide	107	19.590	19.590	0.000	99	1889053	10.0	10.7	
S 82 Xylenes, Total	106				0		30.0	32.1	
* 76 Chlorobenzene-d5	117	20.430	20.430	0.000	80	2947455	10.0	10.0	
77 Chlorobenzene	112	20.489	20.489	0.000	97	3041352	10.0	10.5	
78 Ethylbenzene	91	20.602	20.601	0.001	94	4404598	10.0	10.6	
79 n-Nonane	57	20.655	20.655	0.000	83	1812623	10.0	10.2	
80 m-Xylene & p-Xylene	106	20.815	20.821	-0.006	97	3847408	20.0	21.6	
83 o-Xylene	106	21.532	21.532	0.000	96	1910787	10.0	10.5	
84 Styrene	104	21.570	21.570	0.000	98	2852111	10.0	10.8	
85 Bromoform	173	21.950	21.950	0.000	99	2534933	10.0	11.3	
86 Isopropylbenzene	105	22.094	22.094	0.000	94	5318061	10.0	10.7	
$ 87 4-Bromofluorobenzene	95	22.431	22.436	-0.005	97	1926114	NC	NC	
88 1,1,2,2-Tetrachloroethane	83	22.656	22.661	-0.005	92	2520778	10.0	11.0	
90 N-Propylbenzene	91	22.731	22.731	0.000	97	6014634	10.0	10.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
89 1,2,3-Trichloropropane	75	22.757	22.763	-0.006	89	1892436	10.0	10.7	
93 n-Decane	57	22.843	22.843	0.000	83	2392257	10.0	11.1	
91 4-Ethyltoluene	105	22.897	22.897	0.000	88	5523647	10.0	11.2	
92 2-Chlorotoluene	91	22.929	22.934	-0.005	89	4326584	10.0	10.7	
94 1,3,5-Trimethylbenzene	105	22.987	22.987	0.000	87	4588653	10.0	10.9	
95 Alpha Methyl Styrene	118	23.341	23.341	0.000	91	2085657	10.0	9.77	
96 tert-Butylbenzene	119	23.464	23.469	-0.005	92	4697100	10.0	10.8	
97 1,2,4-Trimethylbenzene	105	23.555	23.560	-0.005	95	4625623	10.0	10.9	
98 sec-Butylbenzene	105	23.795	23.795	0.000	98	6604742	10.0	10.9	
99 4-Isopropyltoluene	119	23.993	23.999	-0.006	92	5967639	10.0	11.1	
100 1,3-Dichlorobenzene	146	24.068	24.068	0.000	98	3683198	10.0	11.2	
101 1,4-Dichlorobenzene	146	24.213	24.213	0.000	96	3618685	10.0	11.3	
102 Benzyl chloride	91	24.421	24.421	0.000	100	3188537	10.0	11.9	
104 Undecane	57	24.608	24.608	0.000	91	2648147	10.0	12.0	
103 n-Butylbenzene	91	24.630	24.635	-0.005	97	4831176	10.0	11.1	
105 1,2-Dichlorobenzene	146	24.817	24.817	0.000	98	3530256	10.0	11.0	
106 Dodecane	57	26.406	26.406	0.000	92	2523005	10.0	12.7	
107 1,2,4-Trichlorobenzene	180	27.701	27.706	-0.005	92	2932122	10.0	11.3	
108 Hexachlorobutadiene	225	27.904	27.904	0.000	95	3070314	10.0	11.3	
109 Naphthalene	128	28.289	28.289	0.000	99	5076066	10.0	10.2	
110 1,2,3-Trichlorobenzene	180	28.851	28.856	-0.005	94	2669682	10.0	11.3	

QC Flag Legend

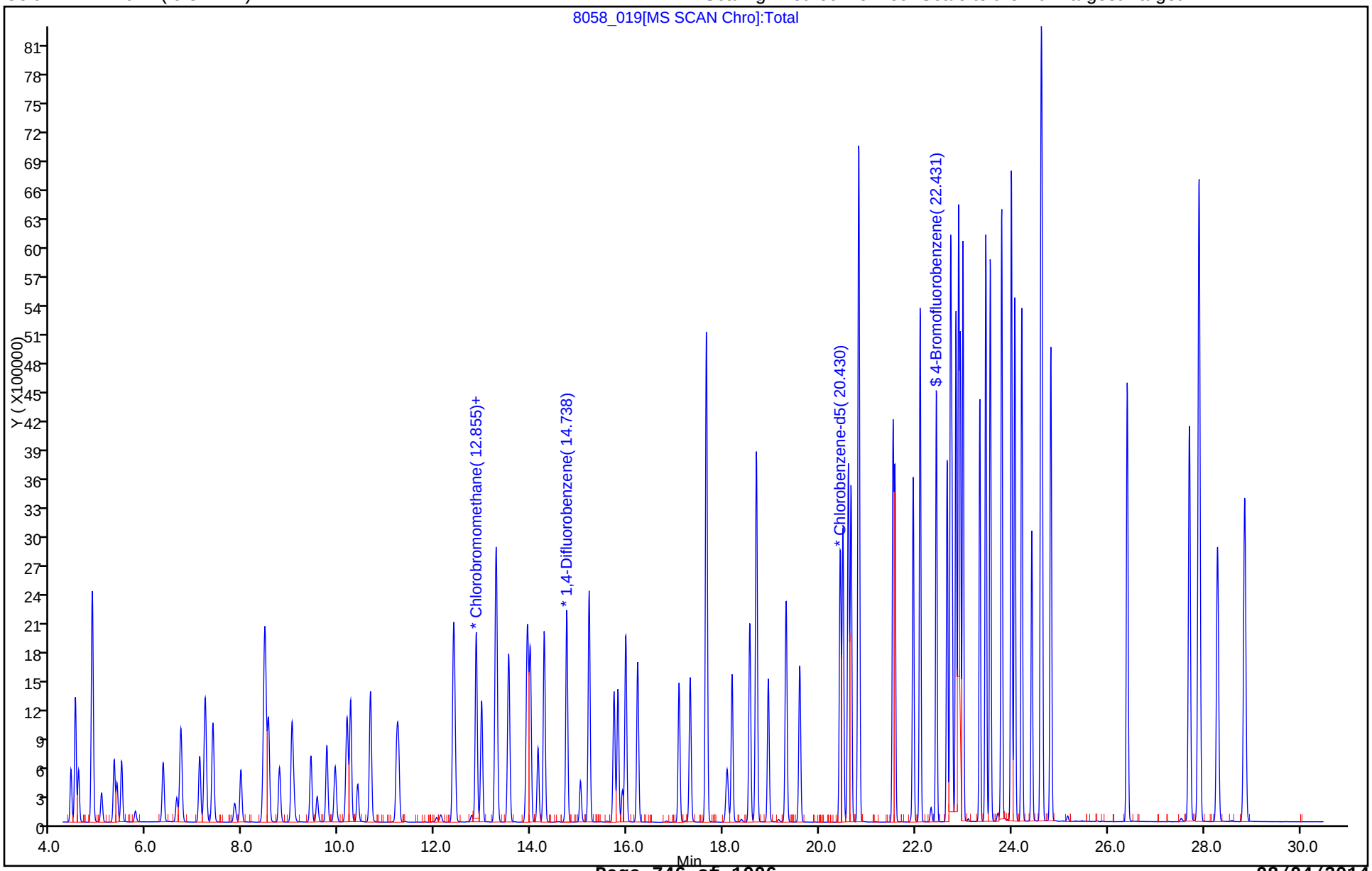
Processing Flags
NC - Not Calibrated
E - Exceeded Maximum Amount

Report Date: 16-Jun-2014 10:41:04 Chrom Revision: 2.2 16-May-2014 10:46:48

TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140613-8058.b\8058_019.d				
Injection Date:	15-Jun-2014 02:11:30	Instrument ID:	CHW.i	Operator ID:	PAD
Lims ID:	ICV			Worklist Smp#:	19
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	18
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.: 280-58003-1

SDG No.:

Lab Sample ID: CCVIS 200-75271/2 Calibration Date: 07/24/2014 10:39

Instrument ID: CHW.i Calib Start Date: 06/14/2014 09:46

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 06/15/2014 00:33

Lab File ID: 8696_002.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.7346	0.8383		11.4	10.0	14.1	30.0
Dichlorodifluoromethane	Ave	2.924	3.579		12.2	10.0	22.4	30.0
Freon 22	Ave	1.462	1.731		11.8	10.0	18.4	30.0
1,2-Dichlorotetrafluoroethane	Ave	2.926	3.491		11.9	10.0	19.3	30.0
Chloromethane	Ave	0.8652	0.9838		11.4	10.0	13.7	30.0
n-Butane	Ave	1.434	1.587		11.1	10.0	10.7	30.0
Vinyl chloride	Ave	1.075	1.199		11.2	10.0	11.6	30.0
1,3-Butadiene	Ave	0.7639	0.8446		11.1	10.0	10.6	30.0
Bromomethane	Ave	1.080	1.213		11.2	10.0	12.3	30.0
Chloroethane	Ave	0.6068	0.6743		11.1	10.0	11.1	30.0
Isopentane	Ave	1.136	1.177		10.4	10.0	3.6	30.0
Bromoethene(Vinyl Bromide)	Ave	1.323	1.433		10.8	10.0	8.3	30.0
Trichlorofluoromethane	Ave	3.226	3.521		10.9	10.0	9.1	30.0
n-Pentane	Ave	1.633	1.752		10.7	10.0	7.3	30.0
Ethanol	Ave	0.4158	0.3637		13.1	15.0	-12.5	30.0
Ethyl ether	Ave	0.7309	0.7648		10.5	10.0	4.6	30.0
Acrolein	Ave	0.3109	0.3210		10.3	10.0	3.3	30.0
Freon TF	Ave	2.473	2.720		11.0	10.0	10.0	30.0
1,1-Dichloroethene	Ave	1.213	1.303		10.7	10.0	7.4	30.0
Acetone	Ave	1.526	1.732		11.3	10.0	13.5	30.0
Carbon disulfide	Ave	3.022	3.242		10.7	10.0	7.3	30.0
Isopropyl alcohol	Ave	1.287	1.490		11.6	10.0	15.8	30.0
3-Chloropropene	Ave	1.164	1.207		10.4	10.0	3.7	30.0
Acetonitrile	Ave	0.6509	0.7341		11.3	10.0	12.8	30.0
Methylene Chloride	Ave	1.047	1.115		10.6	10.0	6.5	30.0
tert-Butyl alcohol	Ave	1.859	2.194		11.8	10.0	18.0	30.0
Methyl tert-butyl ether	Ave	3.241	3.396		10.5	10.0	4.8	30.0
trans-1,2-Dichloroethene	Ave	1.455	1.564		10.7	10.0	7.5	30.0
Acrylonitrile	Ave	0.7082	0.7538		10.6	10.0	6.4	30.0
n-Hexane	Ave	1.763	1.700		9.64	10.0	-3.6	30.0
1,1-Dichloroethane	Ave	1.924	2.068		10.7	10.0	7.5	30.0
Vinyl acetate	Ave	2.357	2.520		10.7	10.0	6.9	30.0
cis-1,2-Dichloroethene	Ave	1.363	1.472		10.8	10.0	8.0	30.0
Methyl Ethyl Ketone	Ave	0.6442	0.6624		10.3	10.0	2.8	30.0
Ethyl acetate	Ave	0.1082	0.1158		10.7	10.0	7.0	30.0
Tetrahydrofuran	Ave	0.2121	0.2329		11.0	10.0	9.8	30.0
Chloroform	Ave	2.381	2.609		11.0	10.0	9.6	30.0
Cyclohexane	Ave	0.3707	0.3928		10.6	10.0	6.0	30.0
1,1,1-Trichloroethane	Ave	0.5284	0.5780		10.9	10.0	9.4	30.0
Carbon tetrachloride	Ave	0.5791	0.6418		11.1	10.0	10.8	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Lab Sample ID: CCVIS 200-75271/2 Calibration Date: 07/24/2014 10:39

Instrument ID: CHW.i Calib Start Date: 06/14/2014 09:46

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 06/15/2014 00:33

Lab File ID: 8696_002.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,2,4-Trimethylpentane	Ave	1.110	1.179		10.6	10.0	6.2	30.0
Benzene	Ave	0.7846	0.8429		10.7	10.0	7.4	30.0
1,2-Dichloroethane	Ave	0.2897	0.3075		10.6	10.0	6.2	30.0
n-Heptane	Ave	0.4010	0.3919		9.77	10.0	-2.3	30.0
n-Butanol	Ave	0.1256	0.1404		11.2	10.0	11.7	30.0
Trichloroethene	Ave	0.3675	0.3930		10.7	10.0	6.9	30.0
1,2-Dichloropropane	Ave	0.2693	0.2916		10.8	10.0	8.3	30.0
Methyl methacrylate	Ave	0.2655	0.2886		10.9	10.0	8.7	30.0
1,4-Dioxane	Ave	0.1355	0.1622		12.0	10.0	19.7	30.0
Dibromomethane	Ave	0.4358	0.4511		10.3	10.0	3.5	30.0
Bromodichloromethane	Ave	0.5232	0.6023		11.5	10.0	15.1	30.0
cis-1,3-Dichloropropene	Ave	0.4034	0.4450		11.0	10.0	10.3	30.0
methyl isobutyl ketone	Ave	0.4611	0.5176		11.2	10.0	12.3	30.0
n-Octane	Ave	0.5158	0.5458		10.6	10.0	5.8	30.0
Toluene	Ave	0.7106	0.7200		10.1	10.0	1.3	30.0
trans-1,3-Dichloropropene	Ave	0.4011	0.4623		11.5	10.0	15.3	30.0
1,1,2-Trichloroethane	Ave	0.3064	0.3399		11.1	10.0	10.9	30.0
Tetrachloroethene	Ave	0.7360	0.7487		10.2	10.0	1.7	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.4820	0.5395		11.2	10.0	11.9	30.0
Dibromochloromethane	Ave	0.7067	0.8187		11.6	10.0	15.8	30.0
1,2-Dibromoethane	Ave	0.5988	0.6754		11.3	10.0	12.8	30.0
Chlorobenzene	Ave	0.9822	1.067		10.9	10.0	8.7	30.0
Ethylbenzene	Ave	1.413	1.593		11.3	10.0	12.8	30.0
n-Nonane	Ave	0.6008	0.6362		10.6	10.0	5.9	30.0
m,p-Xylene	Ave	0.6039	0.6938		23.0	20.0	14.9	30.0
Xylene, o-	Ave	0.6168	0.6875		11.1	10.0	11.5	30.0
Styrene	Ave	0.8948	1.031		11.5	10.0	15.2	30.0
Bromoform	Ave	0.7586	0.9445		12.4	10.0	24.5	30.0
Cumene	Ave	1.685	1.954		11.6	10.0	16.0	30.0
1,1,2,2-Tetrachloroethane	Ave	0.7754	0.9328		12.0	10.0	20.3	30.0
n-Propylbenzene	Ave	1.881	2.269		12.1	10.0	20.6	30.0
1,2,3-Trichloropropane	Ave	0.5980	0.7069		11.8	10.0	18.2	30.0
n-Decane	Ave	0.7332	0.8530		11.6	10.0	16.4	30.0
4-Ethyltoluene	Ave	1.677	2.001		11.9	10.0	19.3	30.0
2-Chlorotoluene	Ave	1.371	1.603		11.7	10.0	16.9	30.0
1,3,5-Trimethylbenzene	Ave	1.432	1.675		11.7	10.0	16.9	30.0
Alpha Methyl Styrene	Ave	0.7245	0.8709		12.0	10.0	20.2	30.0
tert-Butylbenzene	Ave	1.474	1.733		11.8	10.0	17.6	30.0
1,2,4-Trimethylbenzene	Ave	1.440	1.674		11.6	10.0	16.3	30.0
sec-Butylbenzene	Ave	2.055	2.480		12.1	10.0	20.7	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Lab Sample ID: CCVIS 200-75271/2 Calibration Date: 07/24/2014 10:39

Instrument ID: CHW.i Calib Start Date: 06/14/2014 09:46

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 06/15/2014 00:33

Lab File ID: 8696_002.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Isopropyltoluene	Ave	1.825	2.215		12.1	10.0	21.4	30.0
1,3-Dichlorobenzene	Ave	1.115	1.296		11.6	10.0	16.2	30.0
1,4-Dichlorobenzene	Ave	1.090	1.272		11.7	10.0	16.8	30.0
Benzyl chloride	Ave	0.9111	1.159		12.7	10.0	27.3	30.0
n-Undecane	Ave	0.7476	0.8983		12.0	10.0	20.2	30.0
n-Butylbenzene	Ave	1.471	1.811		12.3	10.0	23.1	30.0
1,2-Dichlorobenzene	Ave	1.088	1.247		11.5	10.0	14.7	30.0
n-Dodecane	Ave	0.6729	0.6817		10.1	10.0	1.3	30.0
1,2,4-Trichlorobenzene	Ave	0.8812	0.7688		8.72	10.0	-12.8	30.0
Hexachlorobutadiene	Ave	0.9202	0.9439		10.3	10.0	2.6	30.0
Naphthalene	Ave	1.693	1.285		7.59	10.0	-24.1	30.0
1,2,3-Trichlorobenzene	Ave	0.8037	0.7344		9.13	10.0	-8.6	30.0

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140724-8696.b\8696_002.d
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 24-Jul-2014 10:39:30 ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0008696-002
Misc. Info.: CCVIS
Operator ID: bl Instrument ID: CHW.i
Sublist: chrom-TO15_LLNJ_TO3_W_(v1)*sub2

Method: \\BTV-LIMS1\ChromData\CHW.i\20140724-8696.b\TO15_LLNJ_TO3_W_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 24-Jul-2014 16:08:29 Calib Date: 15-Jun-2014 00:33:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20140613-8058.b\8058_017.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK034

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	4.387	4.387	0.000	97	342324	10.0	11.4	
2 Dichlorodifluoromethane	85	4.483	4.483	0.000	88	1461689	10.0	12.2	
6 Chlorodifluoromethane	51	4.552	4.552	0.000	61	706741	10.0	11.8	
7 1,2-Dichloro-1,1,2,2-tetra	85	4.836	4.836	0.000	87	1425808	10.0	11.9	
8 Chloromethane	50	5.029	5.029	0.000	88	401768	10.0	11.4	
9 Butane	43	5.291	5.291	0.000	94	648172	10.0	11.1	
10 Vinyl chloride	62	5.350	5.350	0.000	82	489695	10.0	11.2	
11 Butadiene	54	5.446	5.446	0.000	92	344909	10.0	11.1	
13 BFB									
12 Bromomethane	94	6.312	6.312	0.000	98	495150	10.0	11.2	
14 Chloroethane	64	6.596	6.596	0.000	96	275356	10.0	11.1	
15 2-Methylbutane	43	6.682	6.682	0.000	92	480622	10.0	10.4	
16 Vinyl bromide	106	7.077	7.077	0.000	89	585040	10.0	10.8	
17 Trichlorofluoromethane	101	7.190	7.190	0.000	86	1437965	10.0	10.9	
18 Pentane	43	7.350	7.350	0.000	96	715337	10.0	10.7	
19 Ethanol	45	7.800	7.800	0.000	100	222895	15.0	13.1	
21 Ethyl ether	59	7.933	7.933	0.000	93	312330	10.0	10.5	
22 Acrolein	56	8.404	8.404	0.000	48	131094	10.0	10.3	
23 1,1,2-Trichloro-1,2,2-trif	101	8.436	8.436	0.000	95	1110872	10.0	11.0	
24 1,1-Dichloroethene	96	8.511	8.511	0.000	84	531997	10.0	10.7	
25 Acetone	43	8.741	8.741	0.000	89	707419	10.0	11.3	
26 Carbon disulfide	76	8.998	8.998	0.000	98	1323782	10.0	10.7	
27 Isopropyl alcohol	45	9.025	9.025	0.000	94	608494	10.0	11.6	
29 3-Chloro-1-propene	41	9.399	9.399	0.000	89	492805	10.0	10.4	
30 Acetonitrile	41	9.528	9.528	0.000	100	299797	10.0	11.3	
31 Methylene Chloride	49	9.726	9.726	0.000	81	455348	10.0	10.6	
32 2-Methyl-2-propanol	59	9.891	9.891	0.000	99	895991	10.0	11.8	
33 Methyl tert-butyl ether	73	10.148	10.148	0.000	97	1386973	10.0	10.5	
S 41 1,2-Dichloroethene, Total	61				0		20.0	21.5	
34 trans-1,2-Dichloroethene	61	10.223	10.223	0.000	79	638570	10.0	10.7	
35 Acrylonitrile	53	10.373	10.373	0.000	95	307813	10.0	10.6	

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	10.635	10.635	0.000	89	694393	10.0	9.64	
37 1,1-Dichloroethane	63	11.186	11.186	0.000	94	844338	10.0	10.7	
38 Vinyl acetate	43	11.223	11.223	0.000	99	1029014	10.0	10.7	
39 cis-1,2-Dichloroethene	96	12.363	12.363	0.000	75	601249	10.0	10.8	
40 2-Butanone (MEK)	72	12.374	12.374	0.000	98	270507	10.0	10.3	
42 Ethyl acetate	88	12.400	12.400	0.000	99	47306	10.0	10.7	
44 Tetrahydrofuran	42	12.839	12.839	0.000	89	457920	10.0	11.0	
* 43 Chlorobromomethane	128	12.844	12.844	0.000	61	408451	10.0	10.0	
45 Chloroform	83	12.957	12.957	0.000	85	1065314	10.0	11.0	
46 Cyclohexane	84	13.251	13.251	0.000	80	772273	10.0	10.6	
47 1,1,1-Trichloroethane	97	13.262	13.262	0.000	93	1136414	10.0	10.9	
48 Carbon tetrachloride	117	13.519	13.519	0.000	89	1261849	10.0	11.1	
51 Isooctane	57	13.909	13.909	0.000	99	2318305	10.0	10.6	
50 Benzene	78	13.968	13.968	0.000	93	1657403	10.0	10.7	
52 1,2-Dichloroethane	62	14.128	14.128	0.000	91	604607	10.0	10.6	
53 n-Heptane	43	14.262	14.262	0.000	87	770658	10.0	9.77	
* 54 1,4-Difluorobenzene	114	14.728	14.728	0.000	92	1966648	10.0	10.0	
A 57 GRO	1	14.760	(6.672-22.848)		0	214815403	10.0	0	
55 n-Butanol	56	15.011	15.011	0.000	84	276004	10.0	11.2	
56 Trichloroethene	95	15.193	15.193	0.000	90	772776	10.0	10.7	
58 1,2-Dichloropropane	63	15.712	15.712	0.000	87	573338	10.0	10.8	
59 Methyl methacrylate	69	15.797	15.797	0.000	77	567552	10.0	10.9	
60 1,4-Dioxane	88	15.888	15.888	0.000	73	318903	10.0	12.0	
61 Dibromomethane	174	15.958	15.958	0.000	89	886996	10.0	10.3	
62 Dichlorobromomethane	83	16.209	16.209	0.000	95	1184346	10.0	11.5	
A 63 TVOC as Toluene	92	16.616	(4.377-28.855)		0	374125333	10.0	2676.9	
64 cis-1,3-Dichloropropene	75	17.065	17.065	0.000	84	874914	10.0	11.0	
65 4-Methyl-2-pentanone (MIBK	43	17.295	17.295	0.000	93	1017763	10.0	11.2	
69 n-Octane	43	17.632	17.632	0.000	76	1073243	10.0	10.6	
A 68 C8 Range	1	17.632	(17.582-17.682)		0	9546096	NC	NC	
66 Toluene	92	17.638	17.638	0.000	93	1312366	10.0	10.1	
A 67 Toluene Range	92	17.638	(17.598-17.678)		0	9546096	10.0	73.7	E
70 trans-1,3-Dichloropropene	75	18.173	18.173	0.000	92	909064	10.0	11.5	
71 1,1,2-Trichloroethane	83	18.542	18.542	0.000	93	619520	10.0	11.1	
72 Tetrachloroethene	166	18.681	18.681	0.000	90	1364666	10.0	10.2	
73 2-Hexanone	43	18.922	18.922	0.000	93	983396	10.0	11.2	
74 Chlorodibromomethane	129	19.296	19.296	0.000	96	1492229	10.0	11.6	
75 Ethylene Dibromide	107	19.580	19.580	0.000	99	1231125	10.0	11.3	
S 82 Xylenes, Total	106				0		30.0	34.1	
* 76 Chlorobenzene-d5	117	20.425	20.425	0.000	80	1823112	10.0	10.0	
77 Chlorobenzene	112	20.484	20.484	0.000	92	1945415	10.0	10.9	
78 Ethylbenzene	91	20.596	20.596	0.000	95	2903973	10.0	11.3	
79 n-Nonane	57	20.650	20.650	0.000	83	1159702	10.0	10.6	
80 m-Xylene & p-Xylene	106	20.810	20.810	0.000	98	2529420	20.0	23.0	
83 o-Xylene	106	21.527	21.527	0.000	96	1253048	10.0	11.1	
84 Styrene	104	21.564	21.564	0.000	97	1879672	10.0	11.5	
85 Bromoform	173	21.944	21.944	0.000	99	1721532	10.0	12.4	
86 Isopropylbenzene	105	22.089	22.089	0.000	94	3561628	10.0	11.6	
$ 87 4-Bromofluorobenzene	95	22.426	22.426	0.000	98	1210722	NC	NC	
88 1,1,2,2-Tetrachloroethane	83	22.650	22.650	0.000	90	1700174	10.0	12.0	
90 N-Propylbenzene	91	22.725	22.725	0.000	99	4135697	10.0	12.1	
89 1,2,3-Trichloropropane	75	22.757	22.757	0.000	81	1288458	10.0	11.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
93 n-Decane	57	22.838	22.838	0.000	82	1554887	10.0	11.6	
91 4-Ethyltoluene	105	22.891	22.891	0.000	84	3646641	10.0	11.9	
92 2-Chlorotoluene	91	22.929	22.929	0.000	91	2921296	10.0	11.7	
94 1,3,5-Trimethylbenzene	105	22.982	22.982	0.000	80	3052684	10.0	11.7	
95 Alpha Methyl Styrene	118	23.335	23.335	0.000	90	1587363	10.0	12.0	
96 tert-Butylbenzene	119	23.458	23.458	0.000	92	3159107	10.0	11.8	
97 1,2,4-Trimethylbenzene	105	23.555	23.555	0.000	94	3050852	10.0	11.6	
98 sec-Butylbenzene	105	23.790	23.790	0.000	98	4520045	10.0	12.1	
99 4-Isopropyltoluene	119	23.993	23.993	0.000	88	4037147	10.0	12.1	
100 1,3-Dichlorobenzene	146	24.063	24.063	0.000	98	2361487	10.0	11.6	
101 1,4-Dichlorobenzene	146	24.207	24.207	0.000	96	2319208	10.0	11.7	
102 Benzyl chloride	91	24.416	24.416	0.000	99	2113470	10.0	12.7	
104 Undecane	57	24.603	24.603	0.000	91	1637401	10.0	12.0	
103 n-Butylbenzene	91	24.630	24.630	0.000	97	3301479	10.0	12.3	
105 1,2-Dichlorobenzene	146	24.812	24.812	0.000	98	2273295	10.0	11.5	
106 Dodecane	57	26.401	26.401	0.000	92	1242541	10.0	10.1	
107 1,2,4-Trichlorobenzene	180	27.695	27.695	0.000	92	1401311	10.0	8.72	
108 Hexachlorobutadiene	225	27.899	27.899	0.000	94	1720437	10.0	10.3	
109 Naphthalene	128	28.278	28.278	0.000	99	2341975	10.0	7.59	
110 1,2,3-Trichlorobenzene	180	28.845	28.845	0.000	94	1338549	10.0	9.13	

QC Flag Legend

Processing Flags
NC - Not Calibrated
E - Exceeded Maximum Amount

Reagents:

ATTO15CAL4w_00371	Amount Added: 200.00	Units: mL	
ATTO15WISs_00003	Amount Added: 20.00	Units: mL	Run Reagent

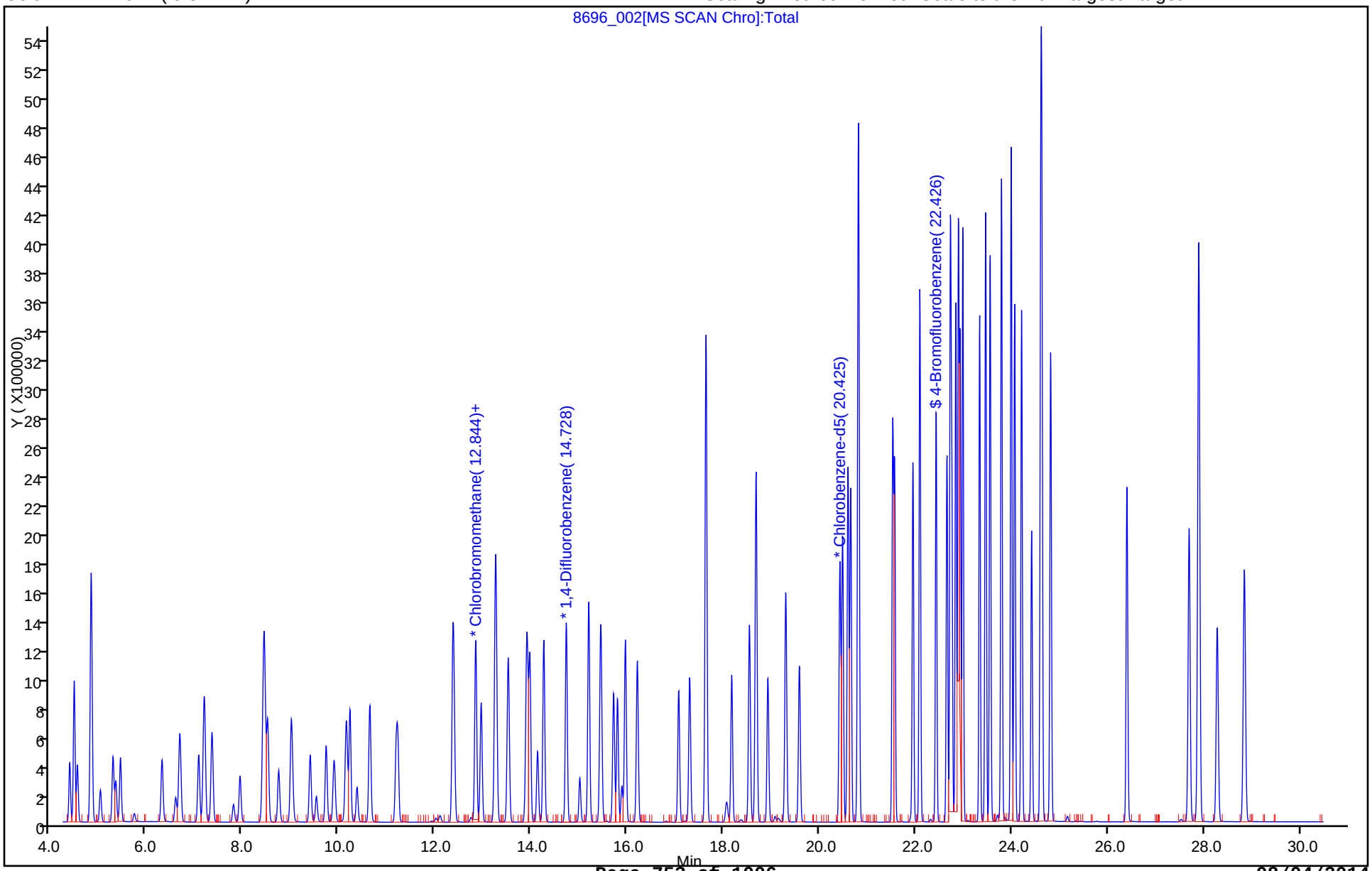
Report Date: 24-Jul-2014 16:08:30 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140724-8696.b\8696_002.d

Injection Date:	24-Jul-2014 10:39:30	Instrument ID:	CHW.i	Operator ID:	bl
Lims ID:	CCVIS			Worklist Smp#:	2
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	1
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.: 280-58003-1

SDG No.:

Lab Sample ID: CCVIS 200-75517/2 Calibration Date: 07/31/2014 11:23

Instrument ID: CHW.i Calib Start Date: 06/14/2014 09:46

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 06/15/2014 00:33

Lab File ID: 8801_002.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.7346	0.5797		7.89	10.0	-21.1	30.0
Dichlorodifluoromethane	Ave	2.924	2.952		10.1	10.0	0.9	30.0
Freon 22	Ave	1.462	1.273		8.71	10.0	-12.9	30.0
1,2-Dichlorotetrafluoroethane	Ave	2.926	2.913		9.95	10.0	-0.4	30.0
Chloromethane	Ave	0.8652	0.7209		8.33	10.0	-16.7	30.0
n-Butane	Ave	1.434	1.115		7.78	10.0	-22.2	30.0
Vinyl chloride	Ave	1.075	0.9161		8.52	10.0	-14.8	30.0
1,3-Butadiene	Ave	0.7639	0.6179		8.09	10.0	-19.1	30.0
Bromomethane	Ave	1.080	0.9719		9.00	10.0	-10.0	30.0
Chloroethane	Ave	0.6068	0.5555		9.15	10.0	-8.5	30.0
Isopentane	Ave	1.136	0.8756		7.70	10.0	-23.0	30.0
Bromoethene(Vinyl Bromide)	Ave	1.323	1.368		10.3	10.0	3.4	30.0
Trichlorofluoromethane	Ave	3.226	3.197		9.91	10.0	-0.9	30.0
n-Pentane	Ave	1.633	1.318		8.07	10.0	-19.3	30.0
Ethanol	Ave	0.4158	0.2754		9.94	15.0	-33.8*	30.0
Ethyl ether	Ave	0.7309	0.6466		8.85	10.0	-11.5	30.0
Acrolein	Ave	0.3109	0.2475		7.96	10.0	-20.4	30.0
Freon TF	Ave	2.473	2.531		10.2	10.0	2.3	30.0
1,1-Dichloroethene	Ave	1.213	1.235		10.2	10.0	1.9	30.0
Acetone	Ave	1.526	1.235		8.09	10.0	-19.1	30.0
Carbon disulfide	Ave	3.022	2.934		9.71	10.0	-2.9	30.0
Isopropyl alcohol	Ave	1.287	1.099		8.53	10.0	-14.6	30.0
3-Chloropropene	Ave	1.164	0.9158		7.87	10.0	-21.3	30.0
Acetonitrile	Ave	0.6509	0.5292		8.13	10.0	-18.7	30.0
Methylene Chloride	Ave	1.047	0.8678		8.29	10.0	-17.1	30.0
tert-Butyl alcohol	Ave	1.859	1.825		9.81	10.0	-1.9	30.0
Methyl tert-butyl ether	Ave	3.241	3.047		9.40	10.0	-6.0	30.0
trans-1,2-Dichloroethene	Ave	1.455	1.305		8.97	10.0	-10.3	30.0
Acrylonitrile	Ave	0.7082	0.6143		8.67	10.0	-13.2	30.0
n-Hexane	Ave	1.763	1.426		8.09	10.0	-19.1	30.0
1,1-Dichloroethane	Ave	1.924	1.763		9.16	10.0	-8.4	30.0
Vinyl acetate	Ave	2.357	1.929		8.18	10.0	-18.1	30.0
cis-1,2-Dichloroethene	Ave	1.363	1.388		10.2	10.0	1.8	30.0
Methyl Ethyl Ketone	Ave	0.6442	0.5645		8.76	10.0	-12.4	30.0
Ethyl acetate	Ave	0.1082	0.1088		10.1	10.0	0.5	30.0
Tetrahydrofuran	Ave	0.2121	0.1740		8.20	10.0	-17.9	30.0
Chloroform	Ave	2.381	2.331		9.79	10.0	-2.1	30.0
Cyclohexane	Ave	0.3707	0.3611		9.74	10.0	-2.6	30.0
1,1,1-Trichloroethane	Ave	0.5284	0.5305		10.0	10.0	0.4	30.0
Carbon tetrachloride	Ave	0.5791	0.6119		10.6	10.0	5.7	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Lab Sample ID: CCVIS 200-75517/2 Calibration Date: 07/31/2014 11:23

Instrument ID: CHW.i Calib Start Date: 06/14/2014 09:46

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 06/15/2014 00:33

Lab File ID: 8801_002.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,2,4-Trimethylpentane	Ave	1.110	0.9876		8.90	10.0	-11.0	30.0
Benzene	Ave	0.7846	0.7658		9.76	10.0	-2.4	30.0
1,2-Dichloroethane	Ave	0.2897	0.2623		9.06	10.0	-9.4	30.0
n-Heptane	Ave	0.4010	0.3007		7.50	10.0	-25.0	30.0
n-Butanol	Ave	0.1256	0.1109		8.83	10.0	-11.7	30.0
Trichloroethene	Ave	0.3675	0.3641		9.91	10.0	-0.9	30.0
1,2-Dichloropropane	Ave	0.2693	0.2482		9.22	10.0	-7.8	30.0
Methyl methacrylate	Ave	0.2655	0.2528		9.52	10.0	-4.8	30.0
1,4-Dioxane	Ave	0.1355	0.1420		10.5	10.0	4.8	30.0
Dibromomethane	Ave	0.4358	0.4805		11.0	10.0	10.2	30.0
Bromodichloromethane	Ave	0.5232	0.5361		10.2	10.0	2.5	30.0
cis-1,3-Dichloropropene	Ave	0.4034	0.4055		10.0	10.0	0.5	30.0
methyl isobutyl ketone	Ave	0.4611	0.4004		8.68	10.0	-13.2	30.0
n-Octane	Ave	0.5158	0.4054		7.86	10.0	-21.4	30.0
Toluene	Ave	0.7106	0.6710		9.44	10.0	-5.6	30.0
trans-1,3-Dichloropropene	Ave	0.4011	0.4079		10.2	10.0	1.7	30.0
1,1,2-Trichloroethane	Ave	0.3064	0.3050		9.95	10.0	-0.4	30.0
Tetrachloroethene	Ave	0.7360	0.7922		10.8	10.0	7.6	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.4820	0.4155		8.62	10.0	-13.8	30.0
Dibromochloromethane	Ave	0.7067	0.8004		11.3	10.0	13.3	30.0
1,2-Dibromoethane	Ave	0.5988	0.6450		10.8	10.0	7.7	30.0
Chlorobenzene	Ave	0.9822	1.035		10.5	10.0	5.4	30.0
Ethylbenzene	Ave	1.413	1.465		10.4	10.0	3.7	30.0
n-Nonane	Ave	0.6008	0.5205		8.66	10.0	-13.4	30.0
m,p-Xylene	Ave	0.6039	0.6396		21.2	20.0	5.9	30.0
Xylene, o-	Ave	0.6168	0.6505		10.5	10.0	5.5	30.0
Styrene	Ave	0.8948	0.9815		11.0	10.0	9.7	30.0
Bromoform	Ave	0.7586	0.9307		12.3	10.0	22.7	30.0
Cumene	Ave	1.685	1.820		10.8	10.0	8.0	30.0
1,1,2,2-Tetrachloroethane	Ave	0.7754	0.8201		10.6	10.0	5.8	30.0
n-Propylbenzene	Ave	1.881	2.050		10.9	10.0	9.0	30.0
1,2,3-Trichloropropane	Ave	0.5980	0.6035		10.1	10.0	0.9	30.0
n-Decane	Ave	0.7332	0.7066		9.64	10.0	-3.6	30.0
4-Ethyltoluene	Ave	1.677	1.860		11.1	10.0	10.9	30.0
2-Chlorotoluene	Ave	1.371	1.459		10.6	10.0	6.4	30.0
1,3,5-Trimethylbenzene	Ave	1.432	1.570		11.0	10.0	9.7	30.0
Alpha Methyl Styrene	Ave	0.7245	0.8545		11.8	10.0	17.9	30.0
tert-Butylbenzene	Ave	1.474	1.642		11.1	10.0	11.4	30.0
1,2,4-Trimethylbenzene	Ave	1.440	1.584		11.0	10.0	10.0	30.0
sec-Butylbenzene	Ave	2.055	2.308		11.2	10.0	12.3	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Lab Sample ID: CCVIS 200-75517/2 Calibration Date: 07/31/2014 11:23

Instrument ID: CHW.i Calib Start Date: 06/14/2014 09:46

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 06/15/2014 00:33

Lab File ID: 8801_002.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Isopropyltoluene	Ave	1.825	2.101		11.5	10.0	15.1	30.0
1,3-Dichlorobenzene	Ave	1.115	1.282		11.5	10.0	15.0	30.0
1,4-Dichlorobenzene	Ave	1.090	1.256		11.5	10.0	15.3	30.0
Benzyl chloride	Ave	0.9111	1.060		11.6	10.0	16.4	30.0
n-Undecane	Ave	0.7476	0.7698		10.3	10.0	3.0	30.0
n-Butylbenzene	Ave	1.471	1.643		11.2	10.0	11.7	30.0
1,2-Dichlorobenzene	Ave	1.088	1.231		11.3	10.0	13.2	30.0
n-Dodecane	Ave	0.6729	0.6872		10.2	10.0	2.1	30.0
1,2,4-Trichlorobenzene	Ave	0.8812	0.9014		10.2	10.0	2.3	30.0
Hexachlorobutadiene	Ave	0.9202	0.9627		10.5	10.0	4.6	30.0
Naphthalene	Ave	1.693	1.459		8.62	10.0	-13.8	30.0
1,2,3-Trichlorobenzene	Ave	0.8037	0.8275		10.3	10.0	3.0	30.0

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140731-8801.b\8801_002.d
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 31-Jul-2014 11:23:30 ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0008801.-002
Misc. Info.: CCVIS
Operator ID: BPL Instrument ID: CHW.i
Sublist: chrom-TO15_LLNJ_TO3_W_(v1)*sub2

Method: \\BTV-LIMS1\ChromData\CHW.i\20140731-8801.b\TO15_LLNJ_TO3_W_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 01-Aug-2014 10:24:27 Calib Date: 15-Jun-2014 00:33:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20140613-8058.b\8058_017.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK037

First Level Reviewer: lyonsb Date: 31-Jul-2014 13:01:11

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	4.397	4.397	0.000	99	222005	10.0	7.89	
2 Dichlorodifluoromethane	85	4.488	4.488	0.000	98	1130502	10.0	10.1	
6 Chlorodifluoromethane	51	4.552	4.552	0.000	96	487492	10.0	8.71	
7 1,2-Dichloro-1,1,2,2-tetra	85	4.841	4.841	0.000	86	1115668	10.0	9.95	
8 Chloromethane	50	5.034	5.034	0.000	99	276080	10.0	8.33	
9 Butane	43	5.296	5.296	0.000	98	427074	10.0	7.78	
10 Vinyl chloride	62	5.355	5.355	0.000	97	350841	10.0	8.52	
11 Butadiene	54	5.451	5.451	0.000	91	236654	10.0	8.09	
13 BFB									
12 Bromomethane	94	6.318	6.318	0.000	99	372233	10.0	9.00	
14 Chloroethane	64	6.601	6.601	0.000	98	212746	10.0	9.15	
15 2-Methylbutane	43	6.687	6.687	0.000	90	335334	10.0	7.70	
16 Vinyl bromide	106	7.077	7.077	0.000	99	523947	10.0	10.3	
17 Trichlorofluoromethane	101	7.195	7.195	0.000	98	1224443	10.0	9.91	
18 Pentane	43	7.356	7.356	0.000	96	504641	10.0	8.07	
19 Ethanol	45	7.805	7.805	0.000	99	158301	15.0	9.94	
21 Ethyl ether	59	7.939	7.939	0.000	91	247647	10.0	8.85	
22 Acrolein	56	8.404	8.404	0.000	95	94773	10.0	7.96	
23 1,1,2-Trichloro-1,2,2-trif	101	8.442	8.442	0.000	94	969392	10.0	10.2	
24 1,1-Dichloroethene	96	8.516	8.516	0.000	88	473115	10.0	10.2	
25 Acetone	43	8.746	8.746	0.000	91	473061	10.0	8.09	
26 Carbon disulfide	76	9.003	9.003	0.000	98	1123846	10.0	9.71	
27 Isopropyl alcohol	45	9.030	9.030	0.000	98	420851	10.0	8.53	
29 3-Chloro-1-propene	41	9.399	9.399	0.000	88	350730	10.0	7.87	
30 Acetonitrile	41	9.528	9.528	0.000	99	202670	10.0	8.13	
31 Methylene Chloride	49	9.731	9.731	0.000	79	332375	10.0	8.29	
32 2-Methyl-2-propanol	59	9.902	9.902	0.000	99	698805	10.0	9.81	
33 Methyl tert-butyl ether	73	10.153	10.153	0.000	95	1167062	10.0	9.40	
S 41 1,2-Dichloroethene, Total	61				0		20.0	19.1	
34 trans-1,2-Dichloroethene	61	10.228	10.228	0.000	84	499872	10.0	8.97	

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	10.373	10.373	0.000	96	235287	10.0	8.67	
36 Hexane	57	10.640	10.640	0.000	87	546150	10.0	8.09	
37 1,1-Dichloroethane	63	11.191	11.191	0.000	99	675233	10.0	9.16	
38 Vinyl acetate	43	11.223	11.223	0.000	99	738903	10.0	8.18	
39 cis-1,2-Dichloroethene	96	12.368	12.368	0.000	93	531452	10.0	10.2	
40 2-Butanone (MEK)	72	12.374	12.374	0.000	100	216193	10.0	8.76	
42 Ethyl acetate	88	12.400	12.400	0.000	99	41676	10.0	10.1	
44 Tetrahydrofuran	42	12.839	12.839	0.000	84	323790	10.0	8.20	
* 43 Chlorobromomethane	128	12.844	12.844	0.000	70	383068	10.0	10.0	
45 Chloroform	83	12.957	12.957	0.000	99	892823	10.0	9.79	
46 Cyclohexane	84	13.256	13.256	0.000	81	671844	10.0	9.74	
47 1,1,1-Trichloroethane	97	13.267	13.267	0.000	96	987177	10.0	10.0	
48 Carbon tetrachloride	117	13.524	13.524	0.000	96	1138540	10.0	10.6	
51 Isooctane	57	13.909	13.909	0.000	99	1837689	10.0	8.90	
50 Benzene	78	13.973	13.973	0.000	93	1424955	10.0	9.76	
52 1,2-Dichloroethane	62	14.128	14.128	0.000	98	488142	10.0	9.06	
53 n-Heptane	43	14.262	14.262	0.000	82	559504	10.0	7.50	
* 54 1,4-Difluorobenzene	114	14.727	14.727	0.000	91	1861065	10.0	10.0	
A 57 GRO	1	14.762	(6.677-22.848)		0	177069386	10.0	0	
55 n-Butanol	56	15.011	15.011	0.000	82	206428	10.0	8.83	
56 Trichloroethene	95	15.193	15.193	0.000	90	677487	10.0	9.91	
58 1,2-Dichloropropane	63	15.712	15.712	0.000	93	461883	10.0	9.22	
59 Methyl methacrylate	69	15.797	15.797	0.000	85	470298	10.0	9.52	
60 1,4-Dioxane	88	15.888	15.888	0.000	85	264131	10.0	10.5	
61 Dibromomethane	174	15.958	15.958	0.000	86	893984	10.0	11.0	
62 Dichlorobromomethane	83	16.204	16.204	0.000	97	997451	10.0	10.2	
A 63 TVOC as Toluene	92	16.621	(4.387-28.855)		0	316060603	10.0	2389.8	
64 cis-1,3-Dichloropropene	75	17.065	17.065	0.000	86	754494	10.0	10.0	
65 4-Methyl-2-pentanone (MIBK	43	17.295	17.295	0.000	93	745098	10.0	8.68	
A 68 C8 Range	1	17.632	(17.582-17.682)		0	7698611	NC	NC	
69 n-Octane	43	17.632	17.632	0.000	83	754328	10.0	7.86	
66 Toluene	92	17.643	17.643	0.000	96	1144288	10.0	9.44	
A 67 Toluene Range	92	17.643	(17.603-17.683)		0	7698611	10.0	63.5	E
70 trans-1,3-Dichloropropene	75	18.173	18.173	0.000	91	758973	10.0	10.2	
71 1,1,2-Trichloroethane	83	18.542	18.542	0.000	93	520214	10.0	9.95	
72 Tetrachloroethene	166	18.681	18.681	0.000	93	1351047	10.0	10.8	
73 2-Hexanone	43	18.922	18.922	0.000	90	708543	10.0	8.62	
74 Chlorodibromomethane	129	19.296	19.296	0.000	97	1364982	10.0	11.3	
75 Ethylene Dibromide	107	19.580	19.580	0.000	98	1100042	10.0	10.8	
S 82 Xylenes, Total	106				0		30.0	31.7	
* 76 Chlorobenzene-d5	117	20.425	20.425	0.000	80	1705757	10.0	10.0	
77 Chlorobenzene	112	20.478	20.478	0.000	100	1765663	10.0	10.5	
78 Ethylbenzene	91	20.591	20.591	0.000	96	2499073	10.0	10.4	
79 n-Nonane	57	20.650	20.650	0.000	80	887600	10.0	8.66	
80 m-Xylene & p-Xylene	106	20.810	20.810	0.000	98	2181506	20.0	21.2	
83 o-Xylene	106	21.522	21.522	0.000	96	1109298	10.0	10.5	
84 Styrene	104	21.564	21.564	0.000	98	1673889	10.0	11.0	
85 Bromoform	173	21.944	21.944	0.000	99	1587297	10.0	12.3	
86 Isopropylbenzene	105	22.089	22.089	0.000	93	3103644	10.0	10.8	
$ 87 4-Bromofluorobenzene	95	22.426	22.426	0.000	96	1067372	NC	NC	
88 1,1,2,2-Tetrachloroethane	83	22.650	22.650	0.000	97	1398598	10.0	10.6	
90 N-Propylbenzene	91	22.725	22.725	0.000	99	3496938	10.0	10.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
89 1,2,3-Trichloropropane	75	22.752	22.752	0.000	92	1029234	10.0	10.1	
93 n-Decane	57	22.838	22.838	0.000	81	1205104	10.0	9.64	
91 4-Ethyltoluene	105	22.891	22.891	0.000	97	3172425	10.0	11.1	
92 2-Chlorotoluene	91	22.923	22.923	0.000	93	2488219	10.0	10.6	
94 1,3,5-Trimethylbenzene	105	22.982	22.982	0.000	95	2678225	10.0	11.0	
95 Alpha Methyl Styrene	118	23.330	23.330	0.000	93	1457193	10.0	11.8	
96 tert-Butylbenzene	119	23.458	23.458	0.000	96	2800438	10.0	11.1	
97 1,2,4-Trimethylbenzene	105	23.549	23.549	0.000	95	2701216	10.0	11.0	
98 sec-Butylbenzene	105	23.785	23.785	0.000	98	3935499	10.0	11.2	
99 4-Isopropyltoluene	119	23.988	23.988	0.000	97	3582316	10.0	11.5	
100 1,3-Dichlorobenzene	146	24.063	24.063	0.000	99	2186140	10.0	11.5	
101 1,4-Dichlorobenzene	146	24.207	24.207	0.000	97	2142614	10.0	11.5	
102 Benzyl chloride	91	24.416	24.416	0.000	99	1808259	10.0	11.6	
104 Undecane	57	24.603	24.603	0.000	89	1312833	10.0	10.3	
103 n-Butylbenzene	91	24.624	24.624	0.000	97	2801186	10.0	11.2	
105 1,2-Dichlorobenzene	146	24.812	24.812	0.000	99	2099276	10.0	11.3	
106 Dodecane	57	26.401	26.401	0.000	90	1171876	10.0	10.2	
107 1,2,4-Trichlorobenzene	180	27.695	27.695	0.000	91	1537285	10.0	10.2	
108 Hexachlorobutadiene	225	27.893	27.893	0.000	98	1641833	10.0	10.5	
109 Naphthalene	128	28.278	28.278	0.000	99	2488568	10.0	8.62	
110 1,2,3-Trichlorobenzene	180	28.845	28.845	0.000	95	1411301	10.0	10.3	

QC Flag Legend

Processing Flags
NC - Not Calibrated
E - Exceeded Maximum Amount

Reagents:

ATTO15CAL4w_00367	Amount Added: 200.00	Units: mL	
ATTO15WISs_00003	Amount Added: 20.00	Units: mL	Run Reagent

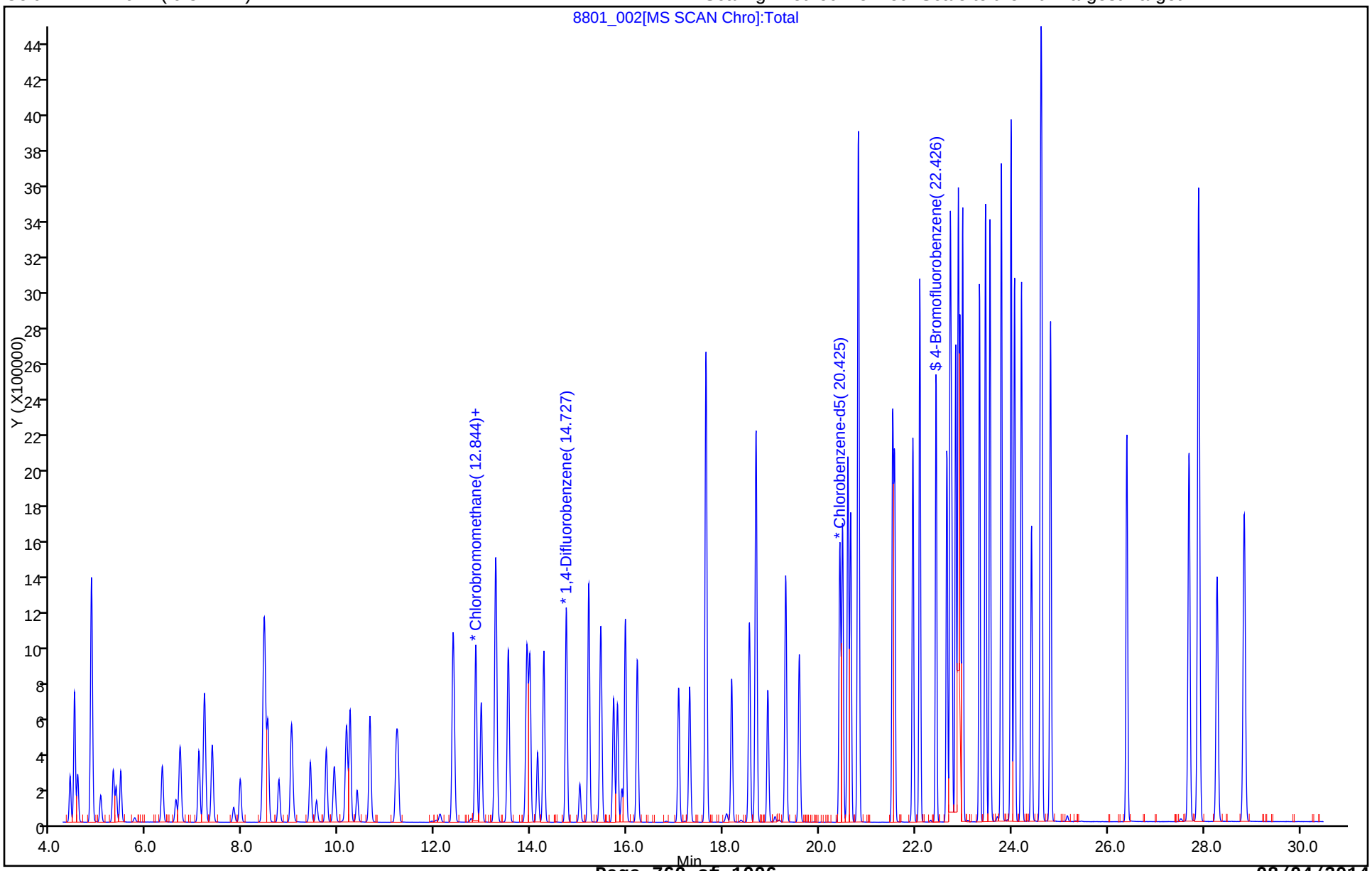
Report Date: 01-Aug-2014 10:24:27 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140731-8801.b\8801_002.d

Injection Date:	31-Jul-2014 11:23:30	Instrument ID:	CHW.i	Operator ID:	BPL
Lims ID:	CCVIS			Worklist Smp#:	2
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	1
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\CHC.i\20140717-8605.b\8605_001.D				
Lims ID:	bfb				
Client ID:					
Sample Type:	BFB				
Inject. Date:	17-Jul-2014 11:15:30	ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	0.0	Dil. Factor:	1.0000		
Sample Info:	200-0008605-001				
Misc. Info.:	bfb				
Operator ID:	wrd	Instrument ID:	CHC.i		
Method:	\\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\TO15_LLNJ_TO3_CHC.m				
Limit Group:	AI_TO15_ICAL				
Last Update:	21-Jul-2014 11:27:30	Calib Date:	18-Jul-2014 09:36:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal/External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\8605_018.D				
Column 1 :	RTX-624 (0.32 mm)		Det: MS SCAN		
Process Host:	XAWRK025				
First Level Reviewer: desjardinsb		Date:	17-Jul-2014 11:30:10		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
18 BFB									
* 43 Chlorobromomethane	128		10.551					0	
* 54 1,4-Difluorobenzene	114		12.568					0	
* 76 Chlorobenzene-d5	117		18.625					0	
$ 87 4-Bromofluorobenzene	95		20.963					ND	

QC Flag Legend

Processing Flags
ND - Not Detected or Marked ND

Reagents:

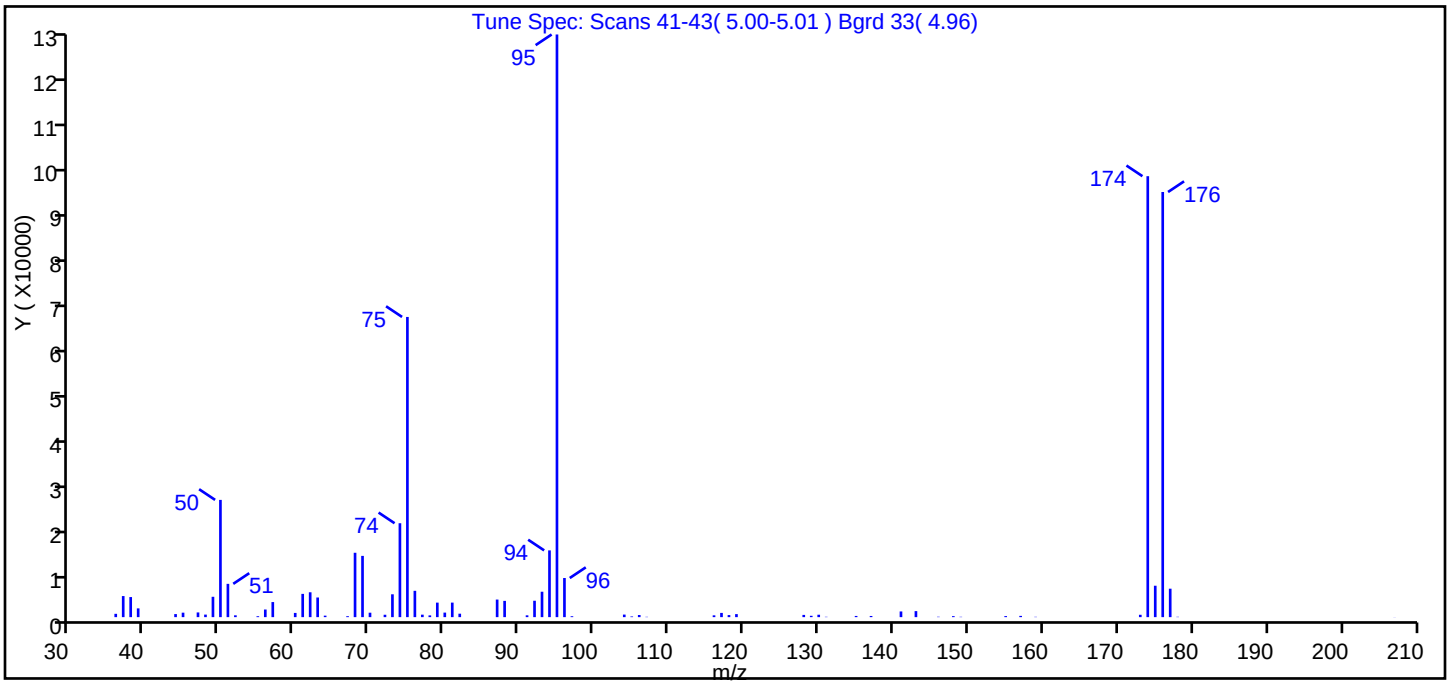
ATTO15CISs_00006 Amount Added: 20.00 Units: mL Run Reagent

MS Tune Report

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\8605_001.D
Injection Date: 17-Jul-2014 11:15:30 Instrument ID: CHC.i
Lims ID: bfb
Client ID:
Operator ID: wrd ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 0.0 Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHC Limit Group: AI_TO15_ICAL
Tune Method: BFB Method TO-15

18 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	20.10
75	30.00 - 66.00% of mass 95	51.50
96	5.00 - 9.00% of mass 95	6.70
173	Less than 2.00% of mass 174	0.40 (0.50)
174	50.00 - 120.00% of mass 95	75.70
175	4.00 - 9.00% of mass 174	5.40 (7.10)
176	93.00 - 101.00% of mass 174	73.00 (96.40)
177	5.00 - 9.00% of mass 176	4.90 (6.70)

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\8605_001.D\TO15_LLNJ_TO3_CHC.rslt\spectra.d
Injection Date: 17-Jul-2014 11:15:30
Spectrum: Tune Spec: Scans 41-43(5.00-5.01) Bgrd 33(4.96)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 73

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	690	64.00	310	92.00	3412	137.00	243
37.00	4386	67.00	196	93.00	5287	141.00	1185
38.00	4177	68.00	13391	94.00	13887	143.00	1254
39.00	1823	69.00	12743	95.00	121208	146.00	82
44.00	637	70.00	925	96.00	8140	148.00	205
45.00	931	72.00	498	97.00	186	149.00	70
47.00	978	73.00	4753	104.00	534	155.00	221
48.00	530	74.00	19536	105.00	142	157.00	262
49.00	4235	75.00	62448	106.00	443	159.00	67
50.00	24392	76.00	5477	107.00	66	173.00	491
51.00	6927	77.00	516	116.00	376	174.00	91728
52.00	380	78.00	365	117.00	881	175.00	6534
55.00	190	79.00	3020	118.00	430	176.00	88440
56.00	1588	80.00	945	119.00	631	177.00	5918
57.00	3136	81.00	3025	128.00	465	178.00	72
60.00	877	82.00	718	129.00	281	207.00	20
61.00	4840	87.00	3658	130.00	501		
62.00	5174	88.00	3383	131.00	72		
63.00	4088	91.00	378	135.00	248		

TestAmerica Burlington
Target Compound Quantitation Report

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140723-8677.b\8677_001.D				
Lims ID:	bfb				
Client ID:					
Sample Type:	BFB				
Inject. Date:	23-Jul-2014 08:42:30	ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	0.0	Dil. Factor:	1.0000		
Sample Info:	200-0008677-001				
Misc. Info.:	bfb				
Operator ID:	bpl	Instrument ID:	CHC.i		
Method:	\\BTV-LIMS1\ChromData\CHC.i\20140723-8677.b\TO15_LLNJ_TO3_CHC.m				
Limit Group:	AI_TO15_ICAL				
Last Update:	23-Jul-2014 11:10:38	Calib Date:	18-Jul-2014 09:36:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal/External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\8605_018.D				
Column 1 :	RTX-624 (0.32 mm)		Det: MS SCAN		
Process Host:	XAWRK001				

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
18 BFB									
* 43 Chlorobromomethane	128		10.551					0	
* 54 1,4-Difluorobenzene	114		12.568					0	
* 76 Chlorobenzene-d5	117		18.620					0	
$ 87 4-Bromofluorobenzene	95		20.963					ND	

QC Flag Legend

Processing Flags
ND - Not Detected or Marked ND

Reagents:

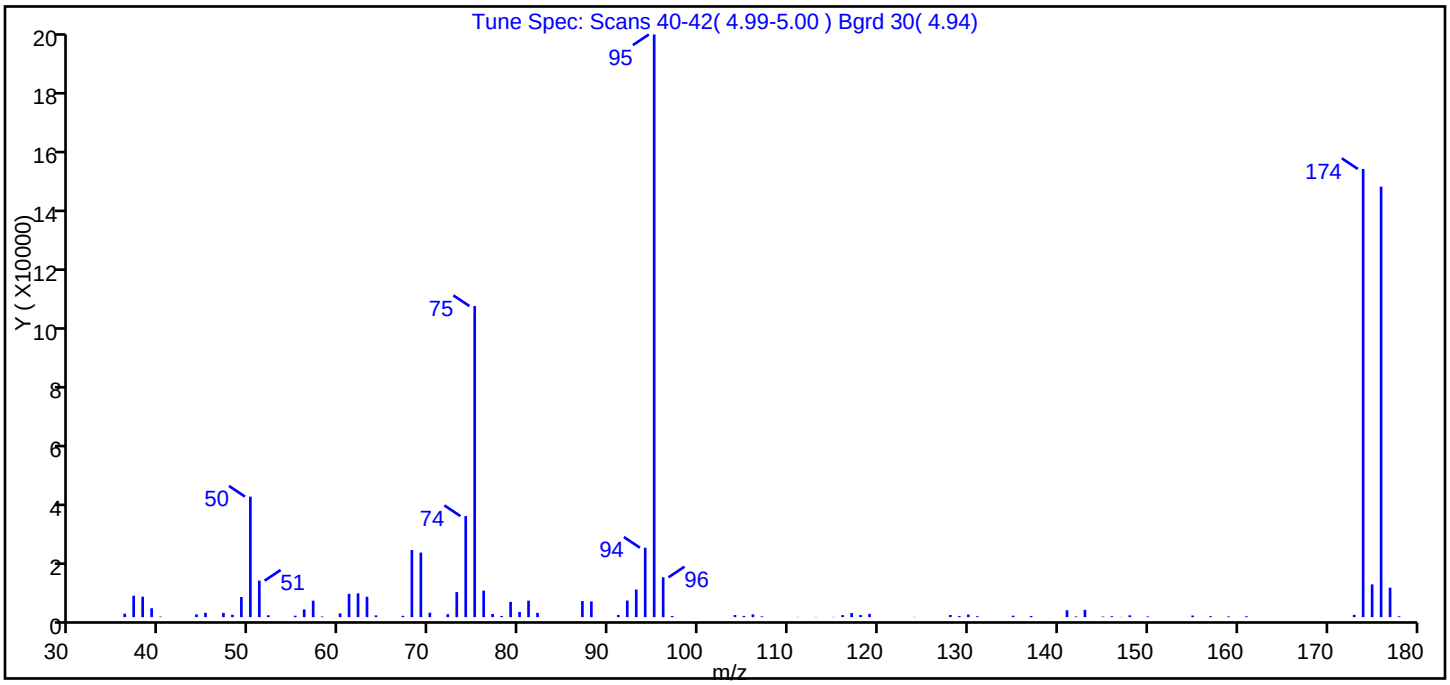
ATTO15CISs_00006 Amount Added: 20.00 Units: mL Run Reagent

MS Tune Report

TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20140723-8677.b\8677_001.D				
Injection Date:	23-Jul-2014 08:42:30	Instrument ID:	CHC.i		
Lims ID:	bfb				
Client ID:					
Operator ID:	bpl	ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	0.0	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		
Tune Method:	BFB Method TO-15				

18 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	20.70
75	30.00 - 66.00% of mass 95	53.40
96	5.00 - 9.00% of mass 95	6.80
173	Less than 2.00% of mass 174	0.40 (0.50)
174	50.00 - 120.00% of mass 95	76.90
175	4.00 - 9.00% of mass 174	5.60 (7.30)
176	93.00 - 101.00% of mass 174	73.90 (96.10)
177	5.00 - 9.00% of mass 176	5.10 (6.80)

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140723-8677.b\8677_001.D\TO15_LLNJ_TO3_CHC.rslt\spectra.d
Injection Date: 23-Jul-2014 08:42:30
Spectrum: Tune Spec: Scans 40-42(4.99-5.00) Bgrd 30(4.94)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 82

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1154	64.00	579	94.00	23168	137.00	382
37.00	7147	67.00	447	95.00	194368	141.00	2302
38.00	6829	68.00	22384	96.00	13277	142.00	249
39.00	2972	69.00	21544	97.00	374	143.00	2443
40.00	174	70.00	1504	104.00	705	145.00	188
44.00	929	72.00	977	105.00	409	146.00	303
45.00	1453	73.00	8358	106.00	912	147.00	76
47.00	1399	74.00	33712	107.00	263	148.00	612
48.00	790	75.00	103776	111.00	73	150.00	238
49.00	6735	76.00	8827	113.00	68	155.00	528
50.00	40200	77.00	1050	115.00	90	157.00	331
51.00	12174	78.00	403	116.00	674	159.00	247
52.00	637	79.00	5098	117.00	1359	161.00	296
55.00	476	80.00	1717	118.00	703	173.00	757
56.00	2596	81.00	5504	119.00	1083	174.00	149504
57.00	5489	82.00	1439	124.00	75	175.00	10931
58.00	214	87.00	5373	128.00	717	176.00	143616
60.00	1270	88.00	5246	129.00	350	177.00	9832
61.00	7764	91.00	708	130.00	857	178.00	270
62.00	7922	92.00	5544	131.00	309		
63.00	6793	93.00	9206	135.00	489		

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140613-8058.b\8058_001.d
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 14-Jun-2014 06:27:30 ALS Bottle#: 1 Worklist Smp#: 1
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0008058-001
Misc. Info.: BFB
Operator ID: PAD Instrument ID: CHW.i

Method: \\BTV-LIMS1\ChromData\CHW.i\20140613-8058.b\TO15_LLNJ_TO3_W_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 16-Jun-2014 10:40:23 Calib Date: 15-Jun-2014 00:33:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20140613-8058.b\8058_017.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK030

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
13 BFB									
* 43 Chlorobromomethane	128		12.860					0	
* 54 1,4-Difluorobenzene	114		14.744					0	
* 76 Chlorobenzene-d5	117		20.430					0	
$ 87 4-Bromofluorobenzene	95		22.436					ND	

QC Flag Legend

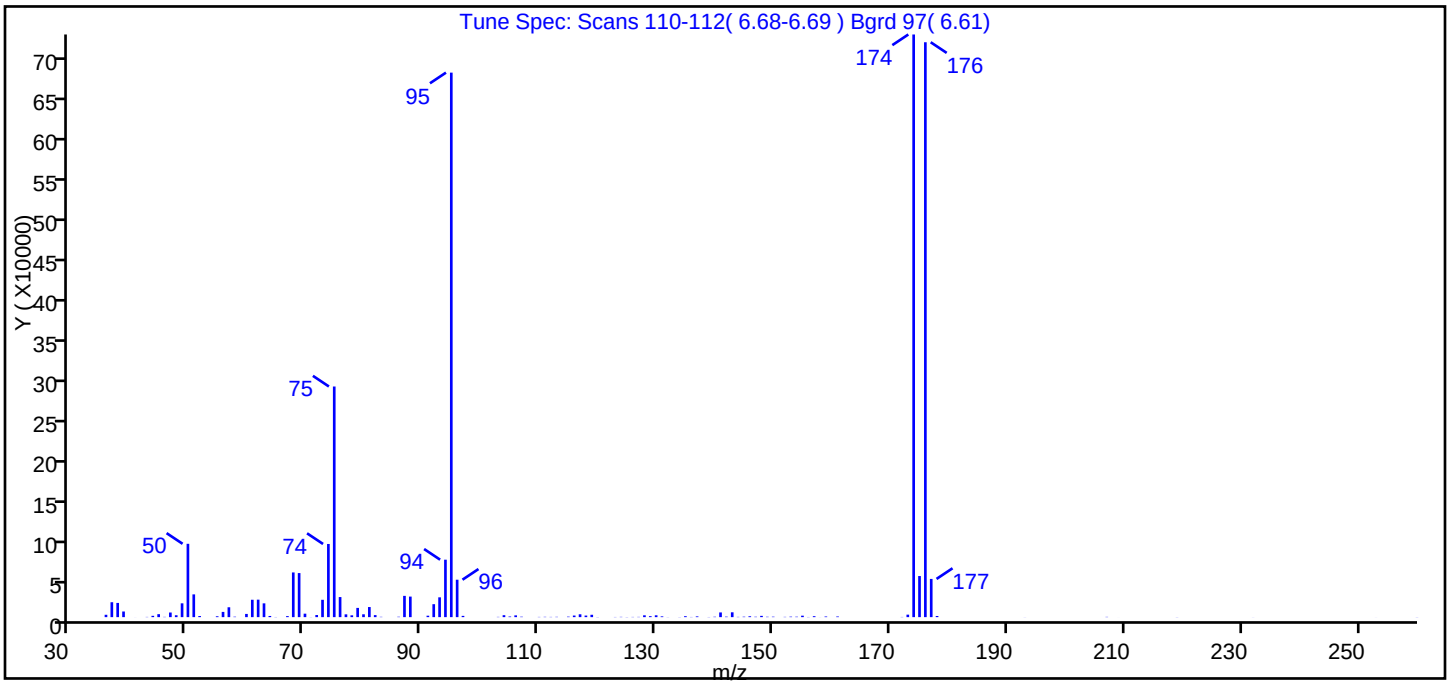
Processing Flags
ND - Not Detected or Marked ND

MS Tune Report

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140613-8058.b\8058_001.d
Injection Date: 14-Jun-2014 06:27:30 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	13.50
75	30.00 - 66.00% of mass 95	42.40
96	5.00 - 9.00% of mass 95	6.90
173	Less than 2.00% of mass 174	0.50 (0.40)
174	50.00 - 120.00% of mass 95	107.00
175	4.00 - 9.00% of mass 174	7.60 (7.10)
176	93.00 - 101.00% of mass 174	105.60 (98.70)
177	5.00 - 9.00% of mass 176	7.00 (6.60)

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140613-8058.b\8058_001.d\TO15_LLNJ_TO3_W_(v1).rslt\spectra.d
Injection Date: 14-Jun-2014 06:27:30
Spectrum: Tune Spec: Scans 110-112(6.68-6.69) Bgrd 97(6.61)
Base Peak: 174.00
Minimum % Base Peak: 0
Number of Points: 116

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	2946	71.00	122	111.00	393	145.00	554
37.00	18568	72.00	2627	112.00	287	146.00	1084
38.00	17688	73.00	21600	113.00	390	147.00	495
39.00	7032	74.00	91080	115.00	623	148.00	1600
41.00	47	75.00	287104	116.00	2002	149.00	467
43.00	279	76.00	25000	117.00	3552	150.00	561
44.00	1637	77.00	3490	118.00	1973	152.00	339
45.00	3691	78.00	2258	119.00	2950	153.00	611
46.00	329	79.00	11496	120.00	167	154.00	544
47.00	5763	80.00	3552	123.00	216	155.00	1815
48.00	2368	81.00	12579	124.00	347	156.00	208
49.00	17200	82.00	2516	125.00	179	157.00	1169
50.00	91296	83.00	390	126.00	269	158.00	53
51.00	28344	86.00	483	127.00	316	159.00	803
52.00	1364	87.00	26480	128.00	2289	161.00	809
55.00	1083	88.00	25592	129.00	1204	172.00	238
56.00	6516	91.00	1791	130.00	2287	173.00	3100
57.00	12292	92.00	16132	131.00	951	174.00	725312
58.00	553	93.00	24672	132.00	117	175.00	51176
60.00	4011	94.00	71520	134.00	153	176.00	715648
61.00	21640	95.00	677824	135.00	1177	177.00	47576
62.00	21760	96.00	46592	136.00	224	178.00	1420
63.00	17168	97.00	1579	137.00	933	193.00	80
64.00	1456	103.00	324	139.00	189	207.00	332
65.00	195	104.00	2423	140.00	486	209.00	22
67.00	1285	105.00	771	141.00	5861	219.00	129
68.00	55640	106.00	2199	142.00	608	232.00	65
69.00	54856	107.00	550	143.00	6029	253.00	41
70.00	4324	110.00	279	144.00	325	260.00	132

TestAmerica Burlington
Target Compound Quantitation Report

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140724-8696.b\8696_001.d				
Lims ID:	BFB				
Client ID:					
Sample Type:	BFB				
Inject. Date:	24-Jul-2014 09:40:30	ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	0.0 mL	Dil. Factor:	1.0000		
Sample Info:	200-0008696-001				
Misc. Info.:	BFB				
Operator ID:	bl	Instrument ID:	CHW.i		
Method:	\\BTV-LIMS1\ChromData\CHW.i\20140724-8696.b\TO15_LLNJ_TO3_W_(v1).m				
Limit Group:	AI_TO15_ICAL				
Last Update:	24-Jul-2014 16:08:29	Calib Date:	15-Jun-2014 00:33:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\BTV-LIMS1\ChromData\CHW.i\20140613-8058.b\8058_017.d				
Column 1 :	RTX-624 (0.32 mm)		Det: MS SCAN		
Process Host:	XAWRK034				

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
13 BFB									
* 43 Chlorobromomethane	128		12.844					0	
* 54 1,4-Difluorobenzene	114		14.728					0	
* 76 Chlorobenzene-d5	117		20.425					0	
$ 87 4-Bromofluorobenzene	95		22.426					ND	

QC Flag Legend

Processing Flags
ND - Not Detected or Marked ND

Reagents:

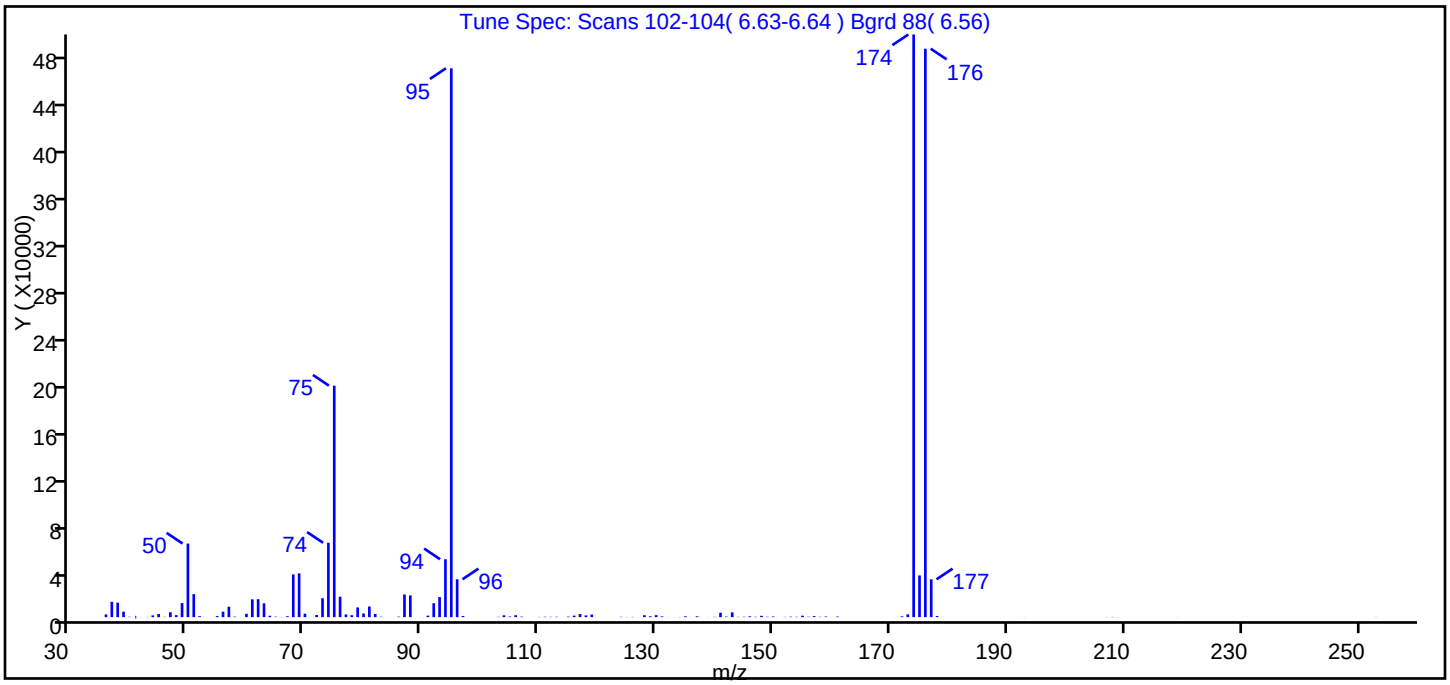
ATTO15WISs_00003 Amount Added: 20.00 Units: mL Run Reagent

MS Tune Report

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140724-8696.b\8696_001.d
Injection Date: 24-Jul-2014 09:40:30 Instrument ID: CHW.i
Lims ID: BFB
Client ID:
Operator ID: bl ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 0.0 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	13.40
75	30.00 - 66.00% of mass 95	42.20
96	5.00 - 9.00% of mass 95	6.90
173	Less than 2.00% of mass 174	0.50 (0.50)
174	50.00 - 120.00% of mass 95	106.20
175	4.00 - 9.00% of mass 174	7.60 (7.20)
176	93.00 - 101.00% of mass 174	103.60 (97.60)
177	5.00 - 9.00% of mass 176	6.90 (6.70)

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140724-8696.b\8696_001.d\TO15_LLNJ_TO3_W_(v1).rslt\spectra.d
Injection Date: 24-Jul-2014 09:40:30
Spectrum: Tune Spec: Scans 102-104(6.63-6.64) Bgrd 88(6.56)
Base Peak: 174.00
Minimum % Base Peak: 0
Number of Points: 118

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	2317	68.00	36488	110.00	187	146.00	727
37.00	13099	69.00	37384	111.00	358	147.00	295
38.00	12373	70.00	2943	112.00	287	148.00	1145
39.00	4697	72.00	1810	113.00	318	149.00	342
40.00	290	73.00	16108	115.00	456	150.00	551
41.00	1	74.00	63520	116.00	1318	152.00	243
42.00	72	75.00	197632	117.00	2646	153.00	399
43.00	156	76.00	17432	118.00	1518	154.00	293
44.00	1480	77.00	2273	119.00	2203	155.00	1222
45.00	2667	78.00	1665	124.00	266	156.00	354
46.00	224	79.00	8305	125.00	149	157.00	870
47.00	4192	80.00	3145	126.00	207	158.00	273
48.00	1725	81.00	9112	127.00	57	159.00	508
49.00	11993	82.00	2747	128.00	1668	161.00	521
50.00	62824	83.00	320	129.00	760	172.00	669
51.00	19648	86.00	428	130.00	1690	173.00	2377
52.00	787	87.00	19368	131.00	643	174.00	497408
53.00	5	88.00	18528	132.00	51	175.00	35624
55.00	907	91.00	1290	133.00	59	176.00	485248
56.00	4674	92.00	11899	134.00	129	177.00	32280
57.00	8896	93.00	17080	135.00	736	178.00	941
58.00	443	94.00	49432	136.00	55	192.00	53
60.00	2832	95.00	468544	137.00	708	193.00	64
61.00	15228	96.00	32312	139.00	68	207.00	143
62.00	15348	97.00	1006	140.00	258	208.00	202
63.00	11752	103.00	252	141.00	3745	209.00	113
64.00	1186	104.00	1591	142.00	459	219.00	51
65.00	378	105.00	544	143.00	4077	253.00	137
66.00	55	106.00	1659	144.00	239		
67.00	787	107.00	441	145.00	343		

TestAmerica Burlington
Target Compound Quantitation Report

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140731-8801.b\8801_001.d				
Lims ID:	BFB				
Client ID:					
Sample Type:	BFB				
Inject. Date:	31-Jul-2014 10:25:30	ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	0.0 mL	Dil. Factor:	1.0000		
Sample Info:	200-0008801-001				
Misc. Info.:	BFB				
Operator ID:	BPL	Instrument ID:	CHW.i		
Method:	\\BTV-LIMS1\ChromData\CHW.i\20140731-8801.b\TO15_LLNJ_TO3_W_(v1).m				
Limit Group:	AI_TO15_ICAL				
Last Update:	01-Aug-2014 10:24:26	Calib Date:	15-Jun-2014 00:33:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\BTV-LIMS1\ChromData\CHW.i\20140613-8058.b\8058_017.d				
Column 1 :	RTX-624 (0.32 mm)		Det: MS SCAN		
Process Host:	XAWRK037				

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
13 BFB									
* 43 Chlorobromomethane	128		12.844					0	
* 54 1,4-Difluorobenzene	114		14.727					0	
* 76 Chlorobenzene-d5	117		20.425					0	
$ 87 4-Bromofluorobenzene	95		22.426					ND	

QC Flag Legend

Processing Flags
ND - Not Detected or Marked ND

Reagents:

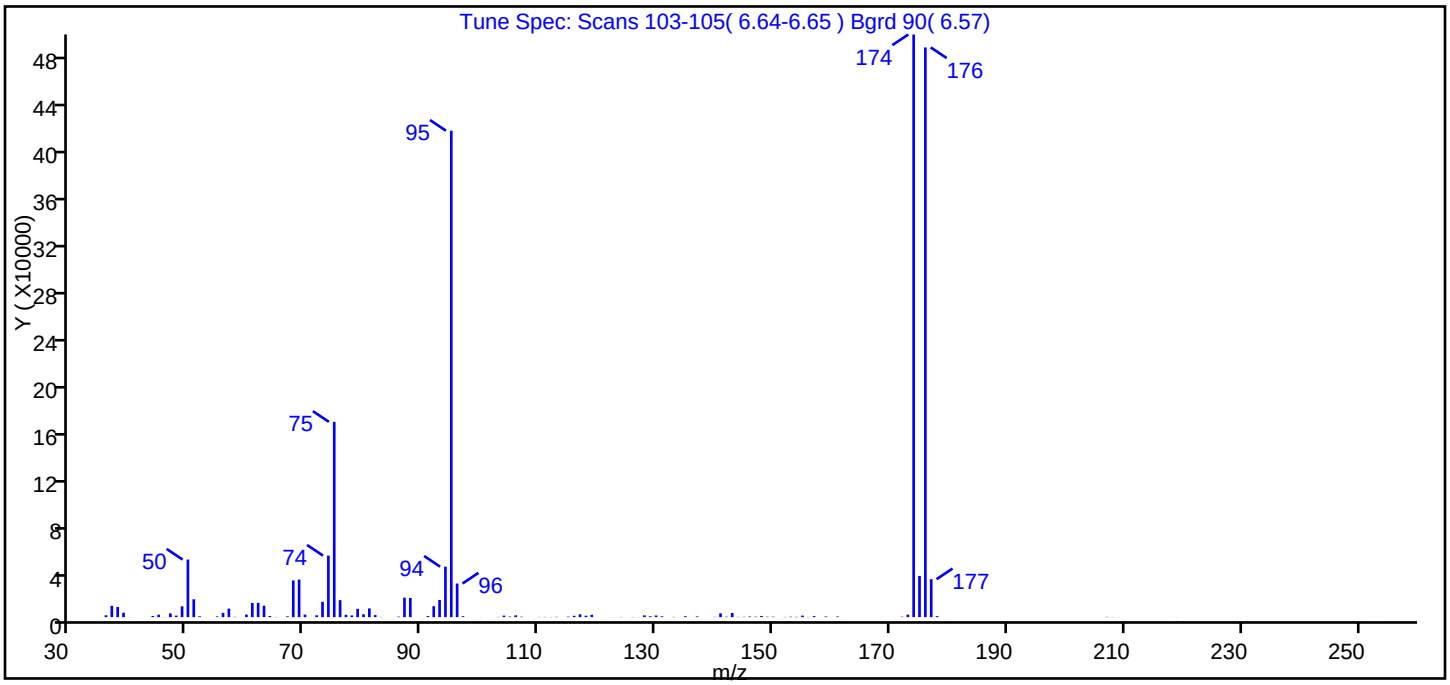
ATTO15WISs_00003 Amount Added: 20.00 Units: mL Run Reagent

MS Tune Report

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140731-8801.b\8801_001.d
Injection Date: 31-Jul-2014 10:25:30 Instrument ID: CHW.i
Lims ID: BFB
Client ID:
Operator ID: BPL ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 0.0 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	11.80
75	30.00 - 66.00% of mass 95	40.10
96	5.00 - 9.00% of mass 95	6.90
173	Less than 2.00% of mass 174	0.50 (0.40)
174	50.00 - 120.00% of mass 95	119.80
175	4.00 - 9.00% of mass 174	8.50 (7.10)
176	93.00 - 101.00% of mass 174	117.10 (97.80)
177	5.00 - 9.00% of mass 176	7.80 (6.70)

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140731-8801.b\8801_001.d\TO15_LLNJ_TO3_W_(v1).rslt\spectra.d
Injection Date: 31-Jul-2014 10:25:30
Spectrum: Tune Spec: Scans 103-105(6.64-6.65) Bgrd 90(6.57)
Base Peak: 174.00
Minimum % Base Peak: 0
Number of Points: 108

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1587	70.00	2163	106.00	1530	144.00	206
37.00	9597	72.00	1569	107.00	383	145.00	291
38.00	8596	73.00	12970	110.00	185	146.00	543
39.00	3766	74.00	51992	111.00	222	147.00	378
40.00	56	75.00	165056	112.00	133	148.00	1005
44.00	950	76.00	14373	113.00	280	149.00	365
45.00	2042	77.00	1978	115.00	448	150.00	373
46.00	108	78.00	1448	116.00	1128	152.00	194
47.00	3183	79.00	7031	117.00	2390	153.00	365
48.00	1337	80.00	2423	118.00	1212	154.00	284
49.00	9131	81.00	7397	119.00	1997	155.00	1292
50.00	48672	82.00	1747	123.00	50	156.00	174
51.00	15112	83.00	192	124.00	203	157.00	886
52.00	703	86.00	439	126.00	148	159.00	579
55.00	614	87.00	16488	127.00	78	161.00	554
56.00	3627	88.00	16205	128.00	1522	172.00	355
57.00	7206	91.00	899	129.00	774	173.00	2121
58.00	270	92.00	9225	130.00	1391	174.00	492480
60.00	2151	93.00	14527	131.00	701	175.00	34848
61.00	12008	94.00	42656	133.00	227	176.00	481536
62.00	12114	95.00	411136	134.00	57	177.00	32064
63.00	9660	96.00	28416	135.00	779	178.00	875
64.00	929	97.00	789	137.00	613	207.00	273
65.00	155	100.00	68	140.00	223	208.00	133
67.00	692	103.00	197	141.00	3201	209.00	67
68.00	31008	104.00	1336	142.00	377	219.00	65
69.00	31752	105.00	488	143.00	3529	253.00	18

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

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-75211/4

Matrix: Air Lab File ID: 8677_004.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 07/23/2014 11:15

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75211 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.: 280-58003-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-75211/4

Matrix: Air Lab File ID: 8677_004.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 07/23/2014 11:15

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75211 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.: 280-58003-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-75211/4

Matrix: Air Lab File ID: 8677_004.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 07/23/2014 11:15

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75211 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.: 280-58003-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-75211/4

Matrix: Air Lab File ID: 8677_004.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 07/23/2014 11:15

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75211 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.: 280-58003-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 200-75211/4

Matrix: Air | Lab File ID: 8677_004.D

Analysis Method: TO-15 | Date Collected:

Sample wt/vol: 200(mL) | Date Analyzed: 07/23/2014 11:15

Soil Aliquot Vol: | Dilution Factor: 1

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

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

Analysis Batch No.: 75211 | 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.: 280-58003-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-75211/4

Matrix: Air Lab File ID: 8677_004.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 07/23/2014 11:15

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75211 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\CHC.i\20140723-8677.b\8677_004.D
Lims ID: mb
Client ID:
Sample Type: MB
Inject. Date: 23-Jul-2014 11:15:30 ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0008677-009
Misc. Info.: mb
Operator ID: bpl Instrument ID: CHC.i

Method: \\BTV-LIMS1\ChromData\CHC.i\20140723-8677.b\TO15_LLNJ_TO3_CHC.m
Limit Group: AI_TO15_ICAL
Last Update: 24-Jul-2014 10:20:24 Calib Date: 18-Jul-2014 09:36:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\8605_018.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK034

First Level Reviewer: lyonsb Date: 24-Jul-2014 09:06:09

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		3.004					ND	
2 Dichlorodifluoromethane	85		3.079					ND	
6 Chlorodifluoromethane	51		3.132					ND	
3 Difluoroethane TIC	51		3.150					ND	
4 Chlorotrifluoroethene TIC	116		3.162					ND	
5 Freon 115 TIC	85		3.180					ND	
7 1,2-Dichloro-1,1,2,2-tetra	85		3.351					ND	
8 Chloromethane	50		3.495					ND	
9 Butane	43		3.698					ND	
10 Vinyl chloride	62		3.746					ND	
11 Butadiene	54		3.832					ND	
12 Bromomethane	94		4.536					ND	
13 Chloroethane	64		4.792					ND	
14 2-Methylbutane	43		4.862					ND	
15 Vinyl bromide	106		5.192					ND	
16 Trichlorofluoromethane	101		5.294					ND	
17 Pentane	43		5.443					ND	
19 Ethanol	45		5.950					ND	
20 1,1,1-Trifluoro-2,2-dichlo	83		6.000					ND	
21 Ethyl ether	59		6.004					ND	
22 Acrolein	56		6.409					ND	
23 1,1,2-Trichloro-1,2,2-trif	101		6.425					ND	
24 1,1-Dichloroethene	96		6.463					ND	
25 Acetone	43		6.740					ND	
26 Carbon disulfide	76		6.842					ND	
27 Isopropyl alcohol	45		7.071					ND	
28 Methyl Acetate TIC	43		7.200					ND	
29 3-Chloro-1-propene	41		7.285					ND	
30 Acetonitrile	41		7.445					ND	
31 Methylene Chloride	49		7.589					ND	
32 2-Methyl-2-propanol	59		7.861					ND	

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		8.005					ND	
34 trans-1,2-Dichloroethene	61		8.037					ND	
35 Acrylonitrile	53		8.219					ND	
36 Hexane	57		8.427					ND	
37 1,1-Dichloroethane	63		8.934					ND	
38 Vinyl acetate	43		9.035					ND	
39 cis-1,2-Dichloroethene	96		10.081					ND	
40 2-Butanone (MEK)	72		10.156					ND	
42 Ethyl acetate	88		10.199					ND	
S 41 1,2-Dichloroethene, Total	61		10.200					0	
* 43 Chlorobromomethane	128	10.551	10.551	0.000	81	117946	10.0	10.0	
44 Tetrahydrofuran	42		10.567					ND	
45 Chloroform	83		10.695					ND	
46 Cyclohexane	84		10.919					ND	
47 1,1,1-Trichloroethane	97		10.956					ND	
48 Carbon tetrachloride	117		11.207					ND	
49 Methyl cyclohexane TIC	55		11.500					ND	
51 Isooctane	57		11.655					ND	
50 Benzene	78		11.693					ND	
52 1,2-Dichloroethane	62		11.896					ND	
53 n-Heptane	43		12.061					ND	
* 54 1,4-Difluorobenzene	114	12.563	12.568	-0.005	96	723978	10.0	10.0	
55 n-Butanol	56		13.016					ND	
56 Trichloroethene	95		13.032					ND	
A 57 GRO	1	13.168	(4.852-21.485)		0	40951		0	
58 1,2-Dichloropropane	63		13.614					ND	
59 Methyl methacrylate	69		13.801					ND	
60 1,4-Dioxane	88		13.860					ND	
61 Dibromomethane	174		13.876					ND	
62 Dichlorobromomethane	83		14.180					ND	
A 63 TVOC as Toluene	1	14.882	(2.994-26.769)		0	210263		5.13	
64 cis-1,3-Dichloropropene	75		15.130					ND	
65 4-Methyl-2-pentanone (MIBK	43		15.434					ND	
A 67 Toluene Range	1	15.712	(15.672-15.752)		0	1180		NC	
66 Toluene	92		15.712					ND	
68 n-Octane	43		15.770					ND	
A 69 C8 Range	1		(16.255-16.235)					ND	
70 trans-1,3-Dichloropropene	75		16.331					ND	
71 1,1,2-Trichloroethane	83		16.704					ND	
72 Tetrachloroethene	166		16.790					ND	
73 2-Hexanone	43		17.163					ND	
74 Chlorodibromomethane	129		17.462					ND	
75 Ethylene Dibromide	107		17.729					ND	
* 76 Chlorobenzene-d5	117	18.620	18.620	0.000	90	708230	10.0	10.0	
80 1,2-Dibromo-3-Chloropropan	75	18.625	18.652	-0.027	33	12574		NC	
77 Chlorobenzene	112		18.684					ND	
78 Ethylbenzene	91		18.834					ND	
79 n-Nonane	57		18.956					ND	
81 m-Xylene & p-Xylene	106		19.084					ND	
83 o-Xylene	106		19.922					ND	
84 Styrene	104		19.976					ND	
S 82 Xylenes, Total	106		20.100					0	

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		20.392					ND	
86 Isopropylbenzene	105		20.595					ND	
$ 87 4-Bromofluorobenzene	95	20.958	20.963	-0.005	93	399031	NC	NC	
88 1,1,2,2-Tetrachloroethane	83		21.251					ND	
90 N-Propylbenzene	91		21.310					ND	
89 1,2,3-Trichloropropane	75		21.342					ND	
93 n-Decane	57		21.475					ND	
91 4-Ethyltoluene	105		21.497					ND	
92 2-Chlorotoluene	91		21.502					ND	
94 1,3,5-Trimethylbenzene	105		21.603					ND	
95 Alpha Methyl Styrene	118		21.966					ND	
96 tert-Butylbenzene	119		22.084					ND	
97 1,2,4-Trimethylbenzene	105		22.180					ND	
98 sec-Butylbenzene	105		22.404					ND	
99 4-Isopropyltoluene	119		22.607					ND	
100 1,3-Dichlorobenzene	146		22.633					ND	
101 1,4-Dichlorobenzene	146		22.772					ND	
102 Benzyl chloride	91		22.970					ND	
103 n-Butylbenzene	91		23.173					ND	
104 Undecane	57		23.194					ND	
105 1,2-Dichlorobenzene	146		23.301					ND	
106 Dodecane	57		24.774					ND	
107 1,2,4-Trichlorobenzene	180	25.793	25.798	-0.005	1	727		0.0235	
108 Hexachlorobutadiene	225		25.980					ND	
109 Naphthalene	128		26.289					ND	
110 1,2,3-Trichlorobenzene	180		26.759					ND	
111 Total Alkanes	1		0.000					ND	

QC Flag Legend

Processing Flags
NC - Not Calibrated
ND - Not Detected or Marked ND

Reagents:

ATTO15CISs_00006 Amount Added: 20.00 Units: mL Run Reagent

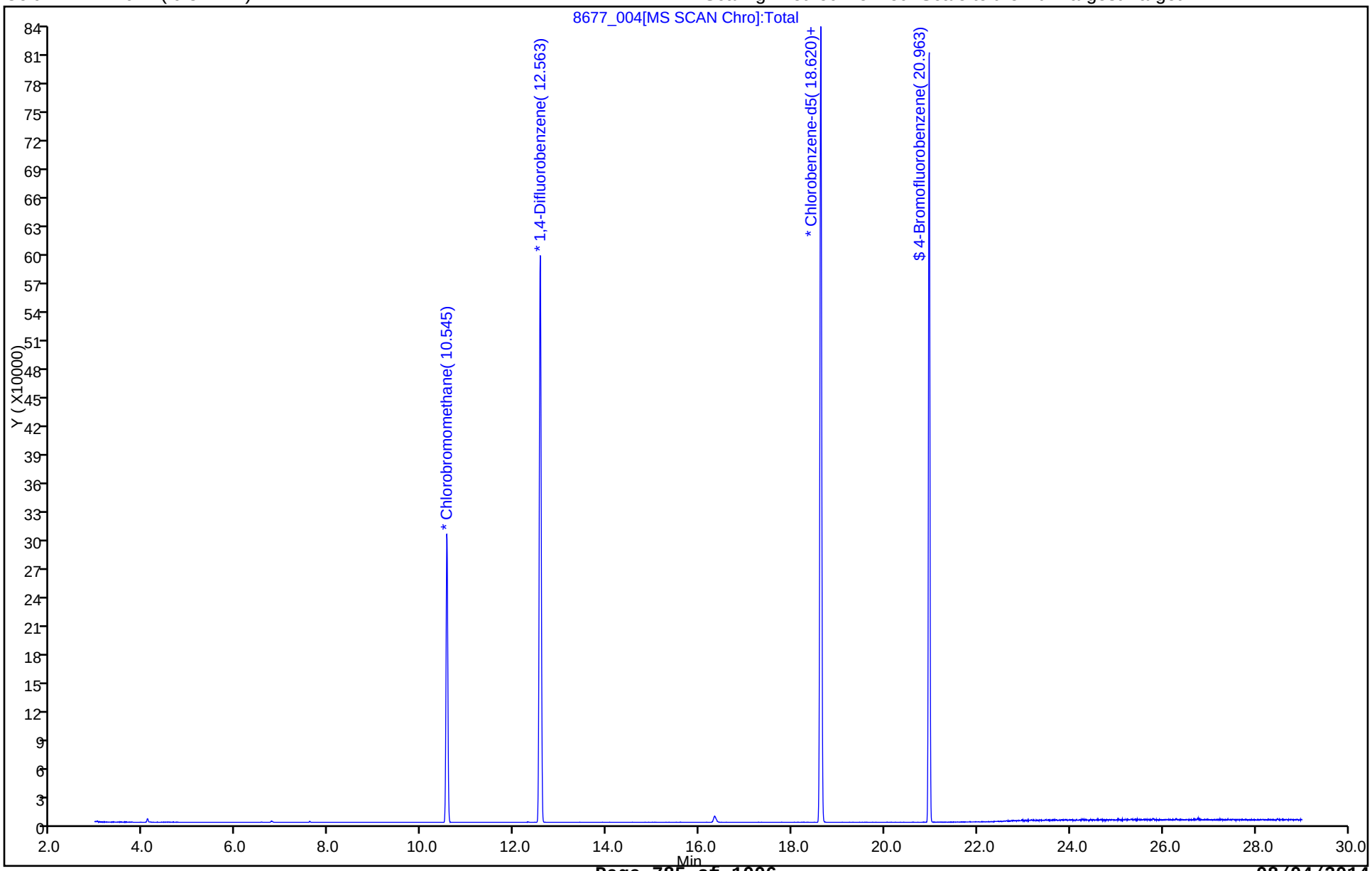
Report Date: 24-Jul-2014 10:20:25 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140723-8677.b\8677_004.D

Injection Date:	23-Jul-2014 11:15:30	Instrument ID:	CHC.i	Operator ID:	bpl
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 I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-75271/4

Matrix: Air Lab File ID: 8696_004.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 07/24/2014 12:17

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75271 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.: 280-58003-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-75271/4

Matrix: Air Lab File ID: 8696_004.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 07/24/2014 12:17

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75271 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 M	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	0.0310	J	0.20	0.014
106-46-7	1,4-Dichlorobenzene	147.00	0.0378	J	0.20	0.014

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

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-75271/4

Matrix: Air Lab File ID: 8696_004.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 07/24/2014 12:17

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75271 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	0.0275	J	0.20	0.014
120-82-1	1,2,4-Trichlorobenzene	181.45	0.0480	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.: 280-58003-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-75271/4

Matrix: Air Lab File ID: 8696_004.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 07/24/2014 12:17

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75271 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.: 280-58003-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 200-75271/4

Matrix: Air | Lab File ID: 8696_004.d

Analysis Method: TO-15 | Date Collected:

Sample wt/vol: 200(mL) | Date Analyzed: 07/24/2014 12:17

Soil Aliquot Vol: | Dilution Factor: 1

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

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

Analysis Batch No.: 75271 | 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 M	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	0.187	J	1.2	0.084
106-46-7	1,4-Dichlorobenzene	147.00	0.227	J	1.2	0.084

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

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-75271/4

Matrix: Air Lab File ID: 8696_004.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 07/24/2014 12:17

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75271 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	0.165	J	1.2	0.084
120-82-1	1,2,4-Trichlorobenzene	181.45	0.356	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\20140724-8696.b\8696_004.d
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 24-Jul-2014 12:17:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0008696-004
Misc. Info.: MB
Operator ID: bl Instrument ID: CHW.i

Method: \\BTV-LIMS1\ChromData\CHW.i\20140724-8696.b\TO15_LLNJ_TO3_W_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 24-Jul-2014 16:08:29 Calib Date: 15-Jun-2014 00:33:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20140613-8058.b\8058_017.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK034

First Level Reviewer: lyonsb Date: 24-Jul-2014 16:02:05

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
3 Difluoroethane TIC	51		3.150					ND	
4 Chlorotrifluoroethene TIC	116		3.162					ND	
5 Freon 115 TIC	85		3.180					ND	
1 Propene	41		4.387					ND	
2 Dichlorodifluoromethane	85		4.483					ND	
6 Chlorodifluoromethane	51		4.552					ND	
7 1,2-Dichloro-1,1,2,2-tetra	85		4.836					ND	
8 Chloromethane	50		5.029					ND	
9 Butane	43		5.291					ND	
10 Vinyl chloride	62		5.350					ND	
11 Butadiene	54		5.446					ND	
20 1,1,1-Trifluoro-2,2-dichlo	83		6.000					ND	
12 Bromomethane	94		6.312					ND	
14 Chloroethane	64		6.596					ND	
15 2-Methylbutane	43		6.682					ND	
16 Vinyl bromide	106		7.077					ND	
17 Trichlorofluoromethane	101		7.190					ND	
28 Methyl Acetate TIC	43		7.342					ND	
18 Pentane	43		7.350					ND	
19 Ethanol	45		7.800					ND	
21 Ethyl ether	59		7.933					ND	
22 Acrolein	56	8.410	8.404	0.006	71	2453		0.1625	
23 1,1,2-Trichloro-1,2,2-trif	101		8.436					ND	
24 1,1-Dichloroethene	96		8.511					ND	
25 Acetone	43		8.741					ND	
26 Carbon disulfide	76		8.998					ND	
27 Isopropyl alcohol	45		9.025					ND	
29 3-Chloro-1-propene	41		9.399					ND	
30 Acetonitrile	41		9.528					ND	
31 Methylene Chloride	49		9.726					ND	
32 2-Methyl-2-propanol	59		9.891					ND	

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		10.148					ND	
S 41 1,2-Dichloroethene, Total	61		10.200					0	
34 trans-1,2-Dichloroethene	61		10.223					ND	
35 Acrylonitrile	53		10.373					ND	
36 Hexane	57		10.635					ND	
37 1,1-Dichloroethane	63		11.186					ND	
38 Vinyl acetate	43		11.223					ND	
49 Methyl cyclohexane TIC	55		11.500					ND	
39 cis-1,2-Dichloroethene	96		12.363					ND	
40 2-Butanone (MEK)	72		12.374					ND	
42 Ethyl acetate	88		12.400					ND	
44 Tetrahydrofuran	42		12.839					ND	
* 43 Chlorobromomethane	128	12.845	12.844	0.001	73	485653	10.0	10.0	
45 Chloroform	83		12.957					ND	
46 Cyclohexane	84		13.251					ND	
47 1,1,1-Trichloroethane	97		13.262					ND	
48 Carbon tetrachloride	117		13.519					ND	
51 Isooctane	57		13.909					ND	
50 Benzene	78		13.968					ND	
52 1,2-Dichloroethane	62		14.128					ND	
53 n-Heptane	43		14.262					ND	
* 54 1,4-Difluorobenzene	114	14.728	14.728	0.000	92	2370296	10.0	10.0	
A 57 GRO	1	14.760	(6.672-22.848)		0	518829		0	
55 n-Butanol	56		15.011					ND	
56 Trichloroethene	95		15.193					ND	
58 1,2-Dichloropropane	63		15.712					ND	
59 Methyl methacrylate	69		15.797					ND	
60 1,4-Dioxane	88		15.888					ND	
61 Dibromomethane	174		15.958					ND	
62 Dichlorobromomethane	83		16.209					ND	
A 63 TVOC as Toluene	92		(4.377-28.855)					0	
64 cis-1,3-Dichloropropene	75		17.065					ND	
65 4-Methyl-2-pentanone (MIBK	43		17.295					ND	
69 n-Octane	43		17.632					ND	
A 68 C8 Range	1	17.632	(17.582-17.682)		0	4471		NC	
66 Toluene	92	17.643	17.638	0.005	87	1177		0.007878	M
A 67 Toluene Range	92		(17.598-17.678)					0	
70 trans-1,3-Dichloropropene	75		18.173					ND	
71 1,1,2-Trichloroethane	83		18.542					ND	
72 Tetrachloroethene	166		18.681					ND	
73 2-Hexanone	43		18.922					ND	
74 Chlorodibromomethane	129		19.296					ND	
81 1,2-Dibromo-3-Chloropropan	75		19.300					ND	
75 Ethylene Dibromide	107		19.580					ND	
S 82 Xylenes, Total	106				0			0.0170	
* 76 Chlorobenzene-d5	117	20.425	20.425	0.000	81	2102382	10.0	10.0	
77 Chlorobenzene	112		20.484					ND	
78 Ethylbenzene	91		20.596					ND	
79 n-Nonane	57		20.650					ND	
80 m-Xylene & p-Xylene	106	20.810	20.810	0.000	92	2158		0.0170	
83 o-Xylene	106		21.527					ND	
84 Styrene	104		21.564					ND	

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		21.944					ND	
86 Isopropylbenzene	105		22.089					ND	
$ 87 4-Bromofluorobenzene	95	22.426	22.426	0.000	97	1251895	NC	NC	
88 1,1,2,2-Tetrachloroethane	83		22.650					ND	
90 N-Propylbenzene	91		22.725					ND	
89 1,2,3-Trichloropropane	75		22.757					ND	
93 n-Decane	57	22.838	22.838	0.000	81	1380		0.008953	
91 4-Ethyltoluene	105		22.891					ND	
92 2-Chlorotoluene	91		22.929					ND	
94 1,3,5-Trimethylbenzene	105	22.982	22.982	0.000	8	2332		0.007746	7
95 Alpha Methyl Styrene	118		23.335					ND	
96 tert-Butylbenzene	119		23.458					ND	
97 1,2,4-Trimethylbenzene	105		23.555					ND	
98 sec-Butylbenzene	105		23.790					ND	
99 4-Isopropyltoluene	119		23.993					ND	
100 1,3-Dichlorobenzene	146	24.063	24.063	0.000	98	7275		0.0310	
101 1,4-Dichlorobenzene	146	24.207	24.207	0.000	97	8668		0.0378	
102 Benzyl chloride	91		24.416					ND	
104 Undecane	57		24.603					ND	
103 n-Butylbenzene	91		24.630					ND	
105 1,2-Dichlorobenzene	146	24.812	24.812	0.000	96	6288		0.0275	
106 Dodecane	57		26.401					ND	
107 1,2,4-Trichlorobenzene	180	27.701	27.695	0.006	91	8892		0.0480	
108 Hexachlorobutadiene	225		27.899					ND	
109 Naphthalene	128		28.278					ND	
110 1,2,3-Trichlorobenzene	180		28.845					ND	

QC Flag Legend

Processing Flags
NC - Not Calibrated
ND - Not Detected or Marked ND
7 - Failed Limit of Detection

Review Flags
M - Manually Integrated

Reagents:

ATTO15WISs_00003 Amount Added: 20.00 Units: mL Run Reagent

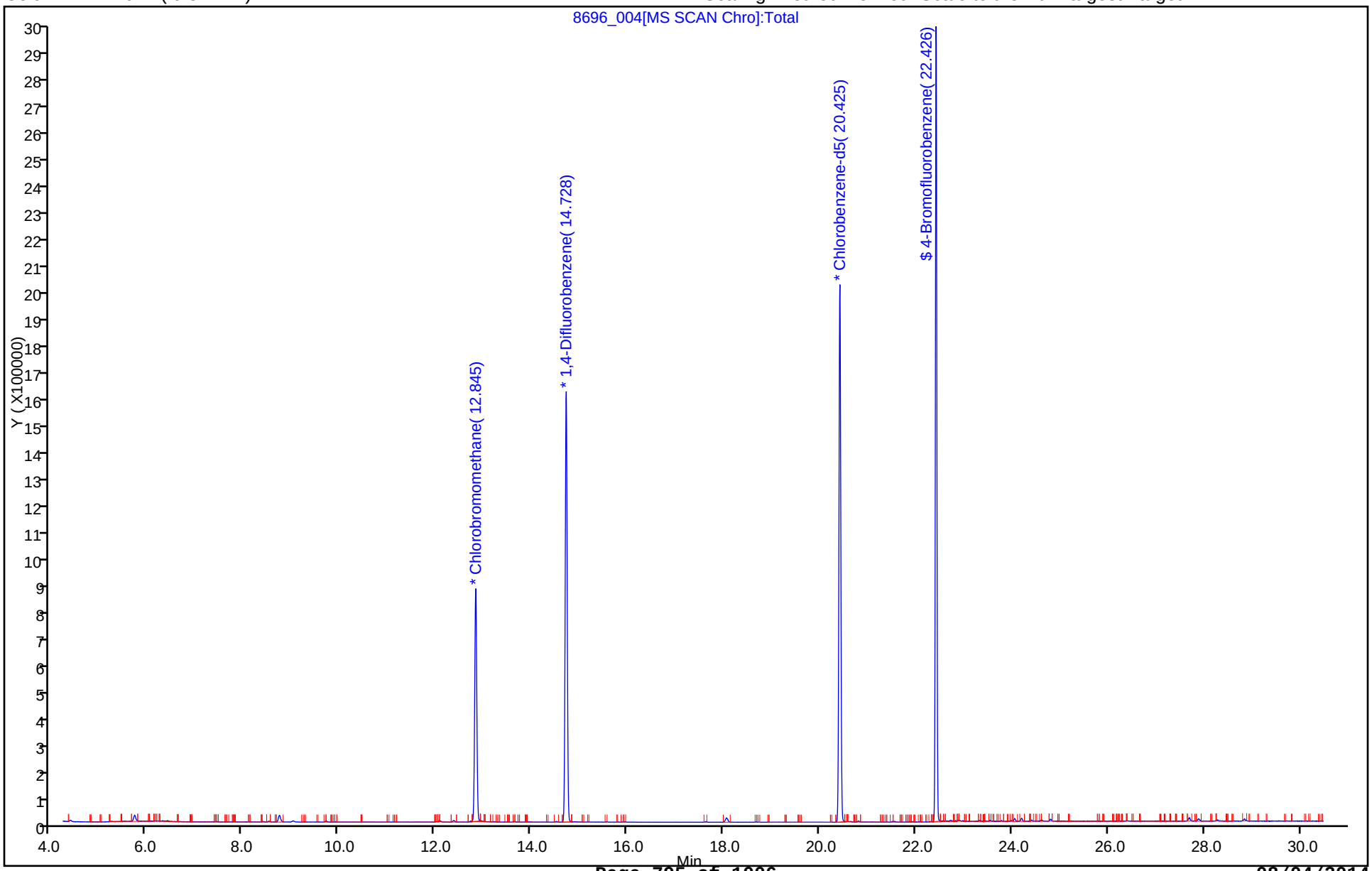
Report Date: 24-Jul-2014 16:08:33 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140724-8696.b\8696_004.d

Injection Date:	24-Jul-2014 12:17:30	Instrument ID:	CHW.i	Operator ID:	bl
Lims ID:	MB			Worklist Smp#:	4
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



Report Date: 24-Jul-2014 16:08:33 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140724-8696.b\8696_004.d

Injection Date: 24-Jul-2014 12:17:30 Instrument ID: CHW.i

Lims ID: MB

Client ID:

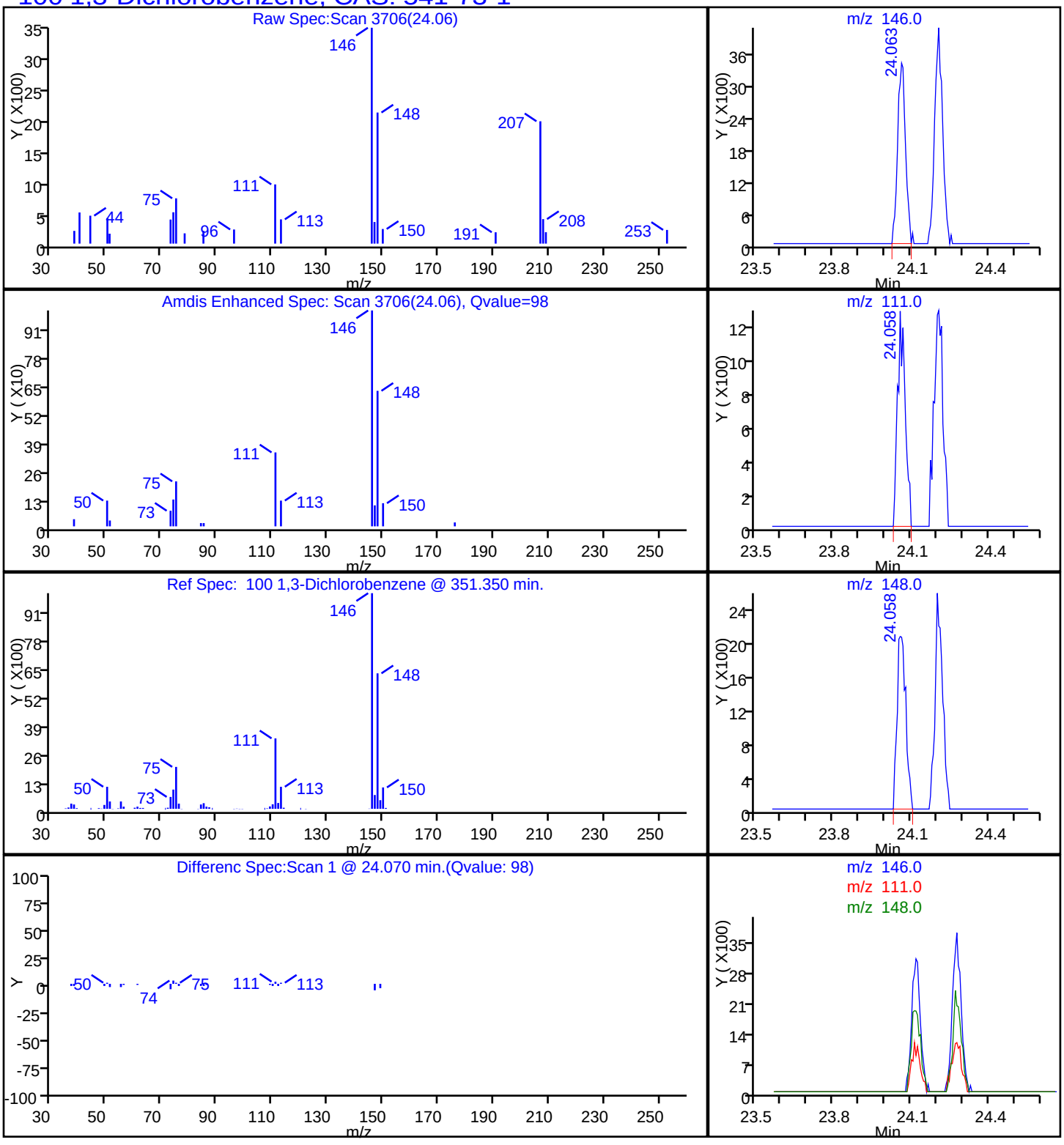
Operator ID: bl ALS Bottle#: 3 Worklist Smp#: 4

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

100 1,3-Dichlorobenzene, CAS: 541-73-1



Report Date: 24-Jul-2014 16:08:33 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140724-8696.b\8696_004.d

Injection Date: 24-Jul-2014 12:17:30 Instrument ID: CHW.i

Lims ID: MB

Client ID:

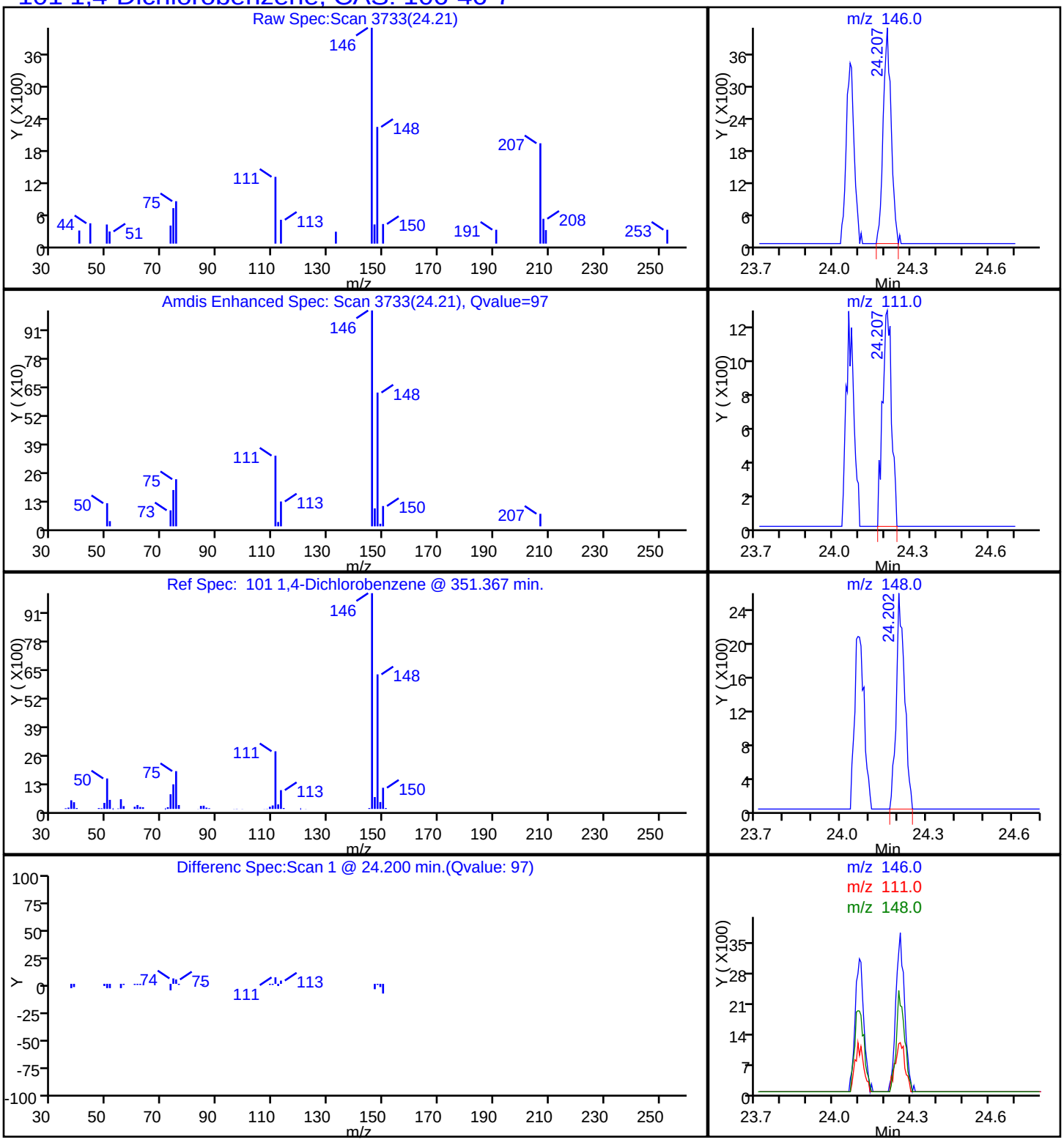
Operator ID: bl ALS Bottle#: 3 Worklist Smp#: 4

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

101 1,4-Dichlorobenzene, CAS: 106-46-7



Report Date: 24-Jul-2014 16:08:33 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140724-8696.b\8696_004.d

Injection Date: 24-Jul-2014 12:17:30 Instrument ID: CHW.i

Lims ID: MB

Client ID:

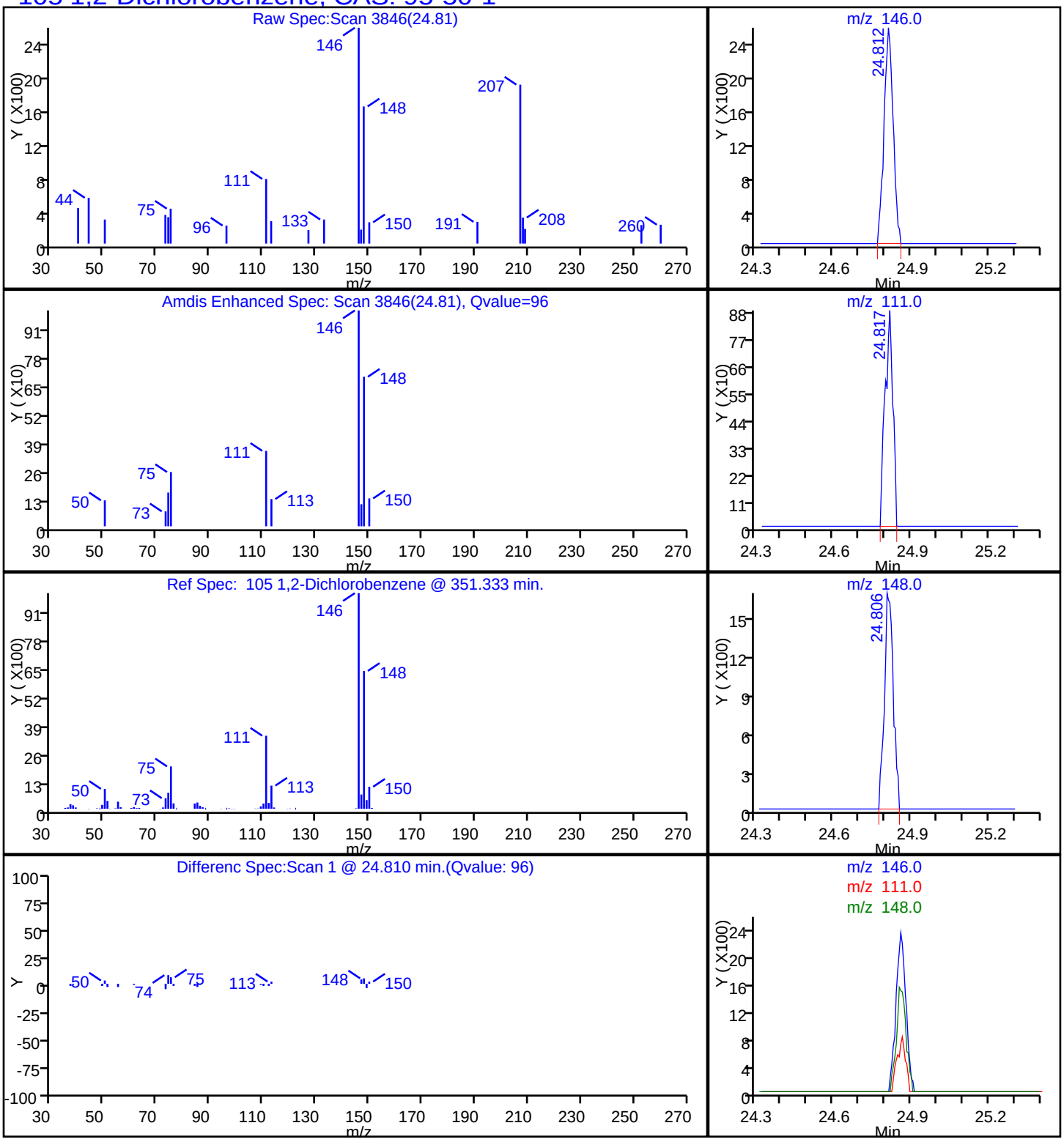
Operator ID: bl ALS Bottle#: 3 Worklist Smp#: 4

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

105 1,2-Dichlorobenzene, CAS: 95-50-1



Report Date: 24-Jul-2014 16:08:33 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140724-8696.b\8696_004.d

Injection Date: 24-Jul-2014 12:17:30 Instrument ID: CHW.i

Lims ID: MB

Client ID:

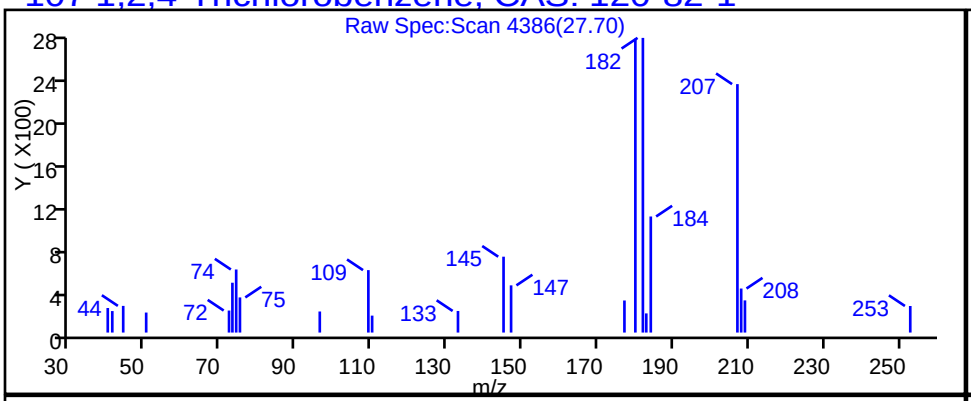
Operator ID: bl ALS Bottle#: 3 Worklist Smp#: 4

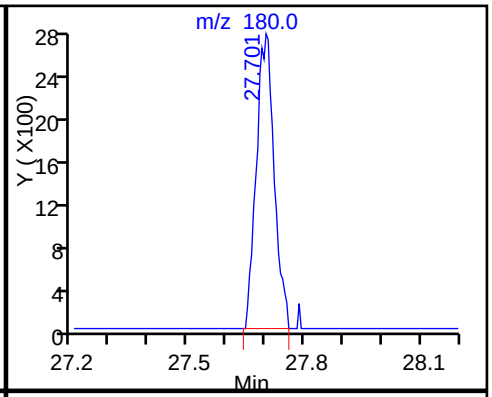
Purge Vol: 200.000 mL Dil. Factor: 1.0000

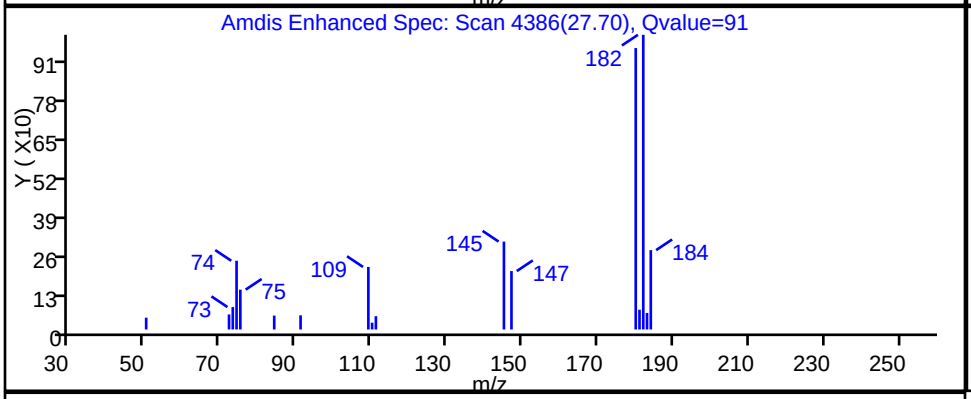
Method: TO15_LLNJ_TO3_W_(v1) Limit Group: AI_TO15_ICAL

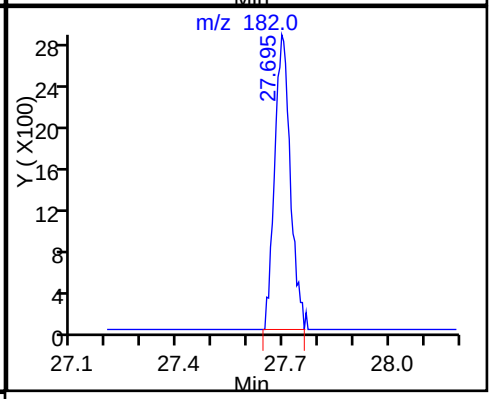
Column: RTX-624 (0.32 mm) Detector MS SCAN

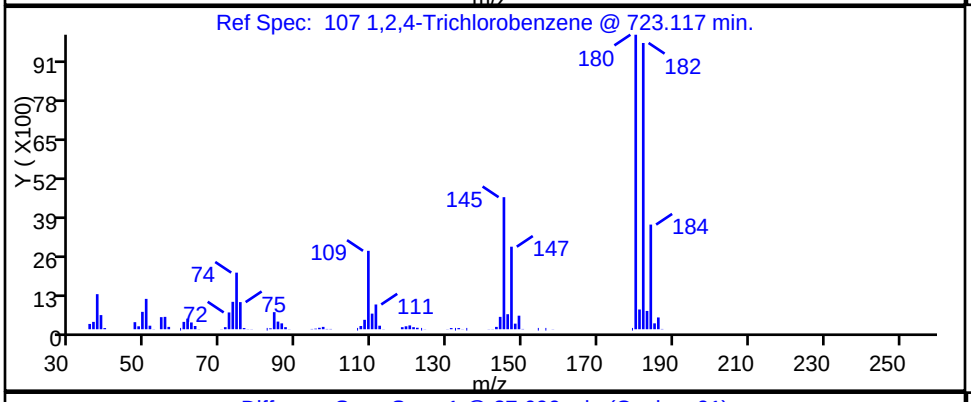
107 1,2,4-Trichlorobenzene, CAS: 120-82-1

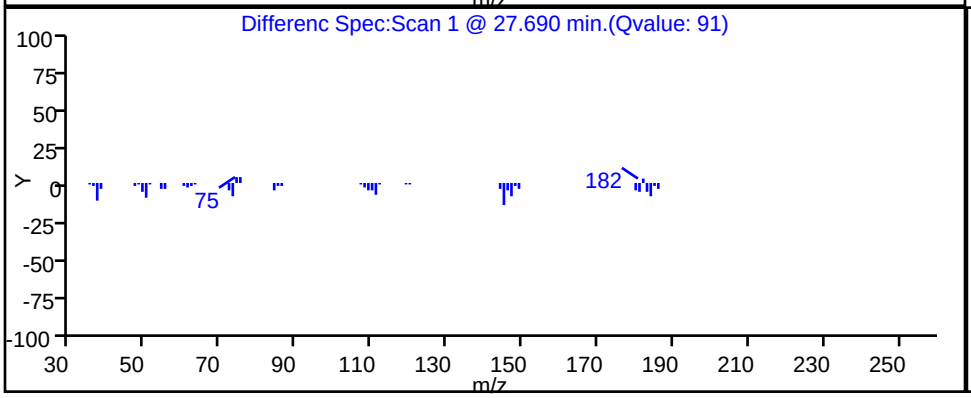


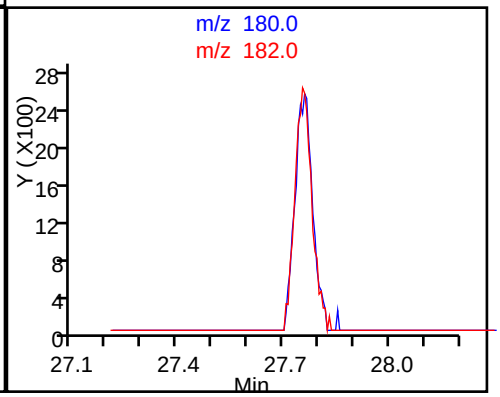












Manual Integration/User Assign Peak Report

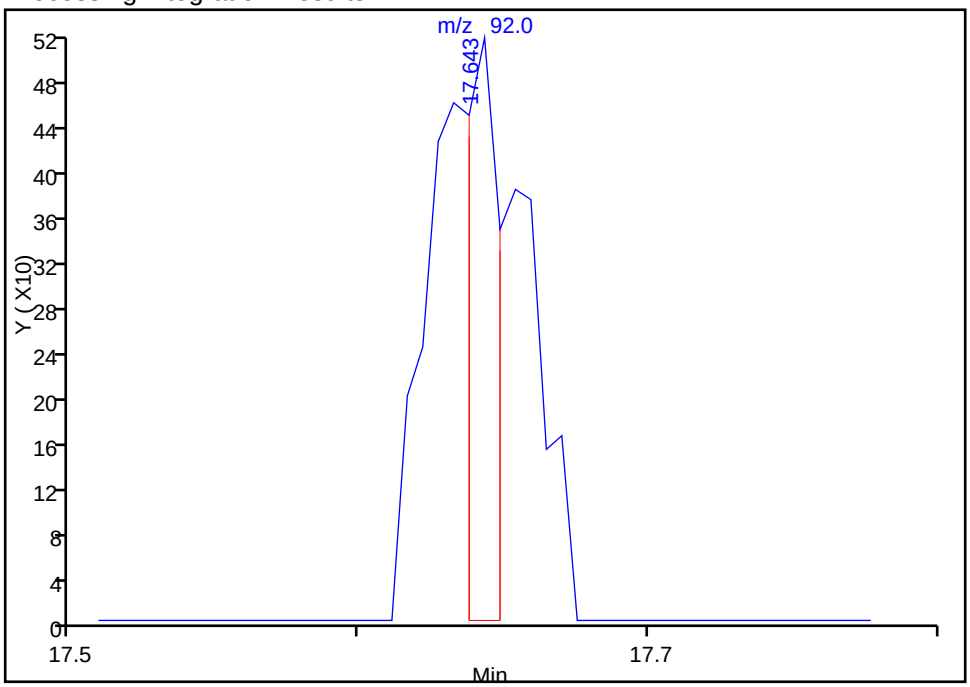
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140724-8696.b\8696_004.d
Injection Date: 24-Jul-2014 12:17:30 Instrument ID: CHW.i
Lims ID: MB
Client ID:
Operator ID: bl ALS Bottle#: 3 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

66 Toluene, CAS: 108-88-3

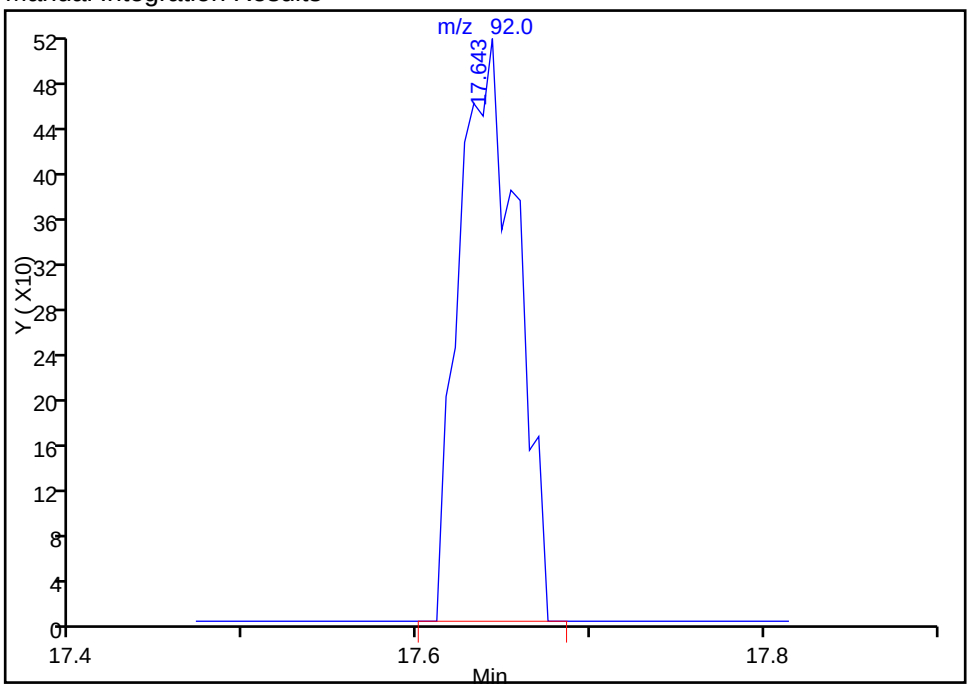
Processing Integration Results

RT: 17.64
Response: 416
Amount: 0.002784



Manual Integration Results

RT: 17.64
Response: 1177
Amount: 0.007878



Reviewer: lyonsb, 24-Jul-2014 16:02:05
Audit Action: Manually Integrated
Audit Reason: Baseline Event

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

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-75517/6

Matrix: Air Lab File ID: 8801_006.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 07/31/2014 15:31

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75517 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.: 280-58003-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-75517/6

Matrix: Air Lab File ID: 8801_006.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 07/31/2014 15:31

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75517 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	0.0358	J	0.20	0.014
106-46-7	1,4-Dichlorobenzene	147.00	0.0406	J	0.20	0.014

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

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-75517/6

Matrix: Air Lab File ID: 8801_006.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 07/31/2014 15:31

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75517 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	0.0371	J	0.20	0.014
120-82-1	1,2,4-Trichlorobenzene	181.45	0.0703	J	0.50	0.027
87-68-3	Hexachlorobutadiene	260.76	0.0291	J	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.: 280-58003-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-75517/6

Matrix: Air Lab File ID: 8801_006.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 07/31/2014 15:31

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75517 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.: 280-58003-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-75517/6

Matrix: Air Lab File ID: 8801_006.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 07/31/2014 15:31

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75517 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	0.215	J	1.2	0.084
106-46-7	1,4-Dichlorobenzene	147.00	0.244	J	1.2	0.084

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

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-75517/6

Matrix: Air Lab File ID: 8801_006.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 07/31/2014 15:31

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75517 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	0.223	J	1.2	0.084
120-82-1	1,2,4-Trichlorobenzene	181.45	0.521	J	3.7	0.20
87-68-3	Hexachlorobutadiene	260.76	0.310	J	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\20140731-8801.b\8801_006.d
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 31-Jul-2014 15:31:30 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0008801-006
Misc. Info.: MB
Operator ID: BPL Instrument ID: CHW.i

Method: \\BTV-LIMS1\ChromData\CHW.i\20140731-8801.b\TO15_LLNJ_TO3_W_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 01-Aug-2014 10:24:29 Calib Date: 15-Jun-2014 00:33:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20140613-8058.b\8058_017.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK037

First Level Reviewer: lyonsb Date: 31-Jul-2014 16:24:24

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
3 Difluoroethane TIC	51		3.150					ND	
4 Chlorotrifluoroethene TIC	116		3.162					ND	
5 Freon 115 TIC	85		3.180					ND	
1 Propene	41		4.403					ND	
2 Dichlorodifluoromethane	85		4.494					ND	
6 Chlorodifluoromethane	51		4.558					ND	
7 1,2-Dichloro-1,1,2,2-tetra	85		4.847					ND	
8 Chloromethane	50		5.039					ND	
9 Butane	43		5.307					ND	
10 Vinyl chloride	62		5.355					ND	
11 Butadiene	54		5.457					ND	
20 1,1,1-Trifluoro-2,2-dichlo	83		6.000					ND	
12 Bromomethane	94		6.329					ND	
14 Chloroethane	64		6.612					ND	
15 2-Methylbutane	43		6.692					ND	
16 Vinyl bromide	106		7.083					ND	
17 Trichlorofluoromethane	101		7.195					ND	
18 Pentane	43		7.366					ND	
28 Methyl Acetate TIC	43		7.366					ND	
19 Ethanol	45		7.832					ND	
21 Ethyl ether	59		7.960					ND	
22 Acrolein	56		8.420					ND	
23 1,1,2-Trichloro-1,2,2-trif	101		8.447					ND	
24 1,1-Dichloroethene	96		8.522					ND	
25 Acetone	43		8.746					ND	
26 Carbon disulfide	76		9.003					ND	
27 Isopropyl alcohol	45		9.057					ND	
29 3-Chloro-1-propene	41		9.399					ND	
30 Acetonitrile	41		9.560					ND	
31 Methylene Chloride	49		9.736					ND	
32 2-Methyl-2-propanol	59		9.918					ND	

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		10.170					ND	
S 41 1,2-Dichloroethene, Total	61		10.200					0	
34 trans-1,2-Dichloroethene	61		10.228					ND	
35 Acrylonitrile	53		10.389					ND	
36 Hexane	57		10.651					ND	
37 1,1-Dichloroethane	63		11.191					ND	
38 Vinyl acetate	43		11.234					ND	
49 Methyl cyclohexane TIC	55		11.500					ND	
39 cis-1,2-Dichloroethene	96		12.374					ND	
40 2-Butanone (MEK)	72		12.395					ND	
42 Ethyl acetate	88		12.400					ND	
44 Tetrahydrofuran	42		12.855					ND	
* 43 Chlorobromomethane	128	12.839	12.850	-0.011	71	415767	10.0	10.0	
45 Chloroform	83		12.962					ND	
46 Cyclohexane	84		13.262					ND	
47 1,1,1-Trichloroethane	97		13.262					ND	
48 Carbon tetrachloride	117		13.524					ND	
51 Isooctane	57		13.914					ND	
50 Benzene	78		13.973					ND	
52 1,2-Dichloroethane	62		14.134					ND	
53 n-Heptane	43		14.267					ND	
* 54 1,4-Difluorobenzene	114	14.722	14.733	-0.011	91	2058459	10.0	10.0	
A 57 GRO	1	14.762	(6.682-22.842)		0	444855		0	
55 n-Butanol	56		15.011					ND	
56 Trichloroethene	95		15.204					ND	
58 1,2-Dichloropropane	63		15.717					ND	
59 Methyl methacrylate	69		15.803					ND	
60 1,4-Dioxane	88		15.899					ND	
61 Dibromomethane	174		15.963					ND	
62 Dichlorobromomethane	83		16.204					ND	
A 63 TVOC as Toluene	92	16.621	(4.393-28.855)		0	963289		6.59	
64 cis-1,3-Dichloropropene	75		17.071					ND	
65 4-Methyl-2-pentanone (MIBK	43		17.301					ND	
69 n-Octane	43		17.638					ND	
A 68 C8 Range	1	17.652	(17.588-17.688)		0	4587		NC	
A 67 Toluene Range	92		(17.598-17.678)					0	
66 Toluene	92		17.638					ND	
70 trans-1,3-Dichloropropene	75		18.178					ND	
71 1,1,2-Trichloroethane	83		18.542					ND	
72 Tetrachloroethene	166		18.681					ND	
73 2-Hexanone	43		18.927					ND	
81 1,2-Dibromo-3-Chloropropan	75		19.178					ND	
74 Chlorodibromomethane	129		19.296					ND	
75 Ethylene Dibromide	107		19.574					ND	
S 82 Xylenes, Total	106		20.100					0	
* 76 Chlorobenzene-d5	117	20.420	20.425	-0.005	80	1838642	10.0	10.0	
77 Chlorobenzene	112		20.479					ND	
78 Ethylbenzene	91		20.596					ND	
79 n-Nonane	57		20.650					ND	
80 m-Xylene & p-Xylene	106		20.810					ND	
83 o-Xylene	106		21.522					ND	
84 Styrene	104		21.564					ND	

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		21.944					ND	
86 Isopropylbenzene	105		22.089					ND	
$ 87 4-Bromofluorobenzene	95	22.426	22.426	0.000	96	1091598	NC	NC	
88 1,1,2,2-Tetrachloroethane	83		22.650					ND	
90 N-Propylbenzene	91		22.720					ND	
89 1,2,3-Trichloropropane	75		22.752					ND	
93 n-Decane	57		22.832					ND	
91 4-Ethyltoluene	105		22.891					ND	
92 2-Chlorotoluene	91		22.923					ND	
94 1,3,5-Trimethylbenzene	105	22.977	22.982	-0.005	2	2184		0.008294	7
95 Alpha Methyl Styrene	118		23.330					ND	
96 tert-Butylbenzene	119		23.453					ND	
97 1,2,4-Trimethylbenzene	105		23.549					ND	
98 sec-Butylbenzene	105		23.785					ND	
99 4-Isopropyltoluene	119		23.988					ND	
100 1,3-Dichlorobenzene	146	24.063	24.057	0.006	95	7331		0.0358	
101 1,4-Dichlorobenzene	146	24.213	24.202	0.011	95	8141		0.0406	
102 Benzyl chloride	91		24.411					ND	
104 Undecane	57		24.603					ND	
103 n-Butylbenzene	91		24.625					ND	
105 1,2-Dichlorobenzene	146	24.812	24.812	0.000	98	7425		0.0371	
106 Dodecane	57		26.401					ND	
107 1,2,4-Trichlorobenzene	180	27.690	27.695	-0.005	89	11386		0.0703	
108 Hexachlorobutadiene	225	27.893	27.893	0.000	94	4918		0.0291	
109 Naphthalene	128		28.278					ND	
110 1,2,3-Trichlorobenzene	180		28.845					ND	

QC Flag Legend

Processing Flags
NC - Not Calibrated
ND - Not Detected or Marked ND
7 - Failed Limit of Detection

Reagents:

ATTO15WISs_00003 Amount Added: 20.00 Units: mL Run Reagent

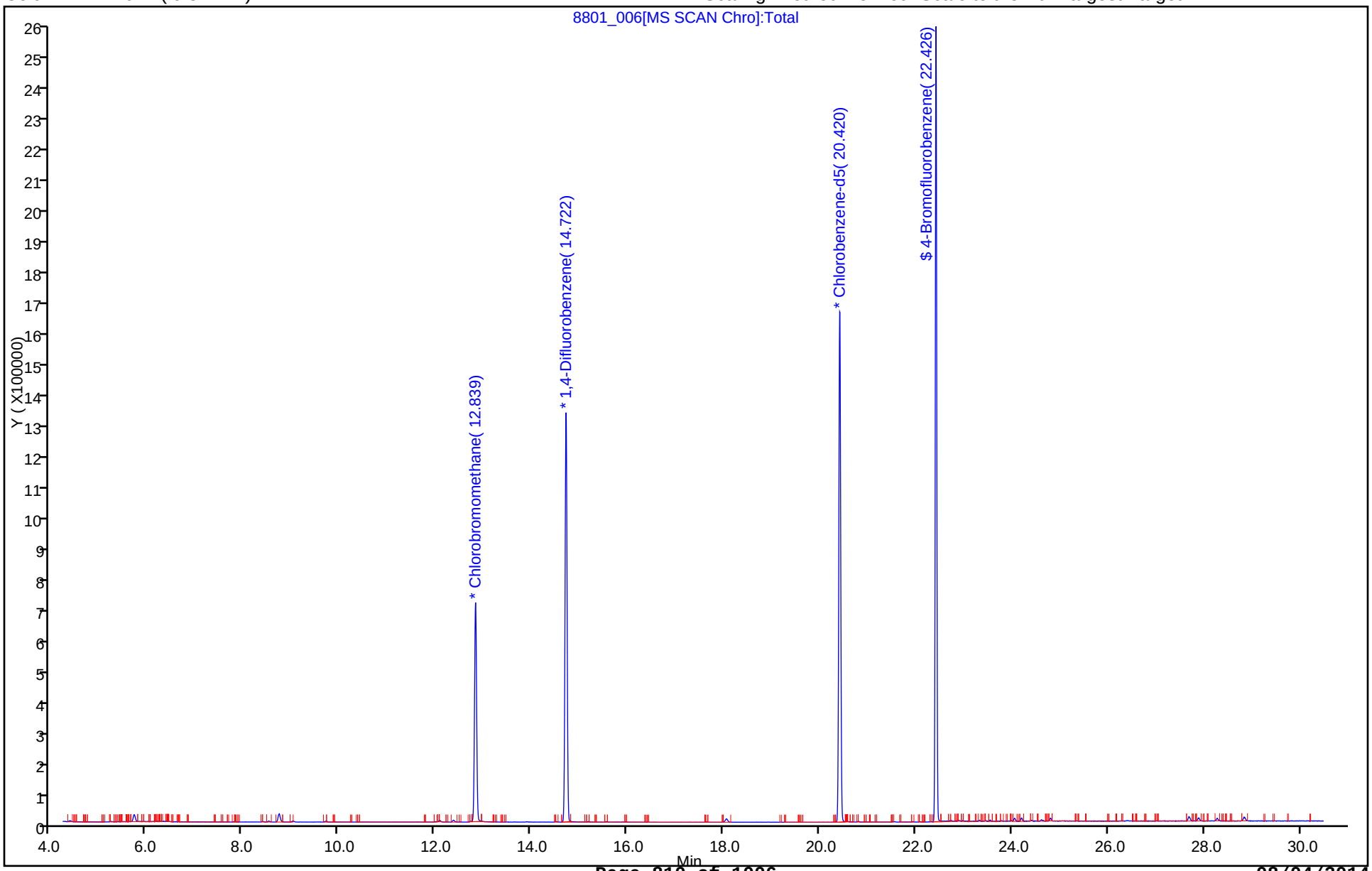
Report Date: 01-Aug-2014 10:24:37 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140731-8801.b\8801_006.d

Injection Date:	31-Jul-2014 15:31:30	Instrument ID:	CHW.i	Operator ID:	BPL
Lims ID:	MB			Worklist Smp#:	6
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



Report Date: 01-Aug-2014 10:24:37 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140731-8801.b\8801_006.d

Injection Date: 31-Jul-2014 15:31:30 Instrument ID: CHW.i

Lims ID: MB

Client ID:

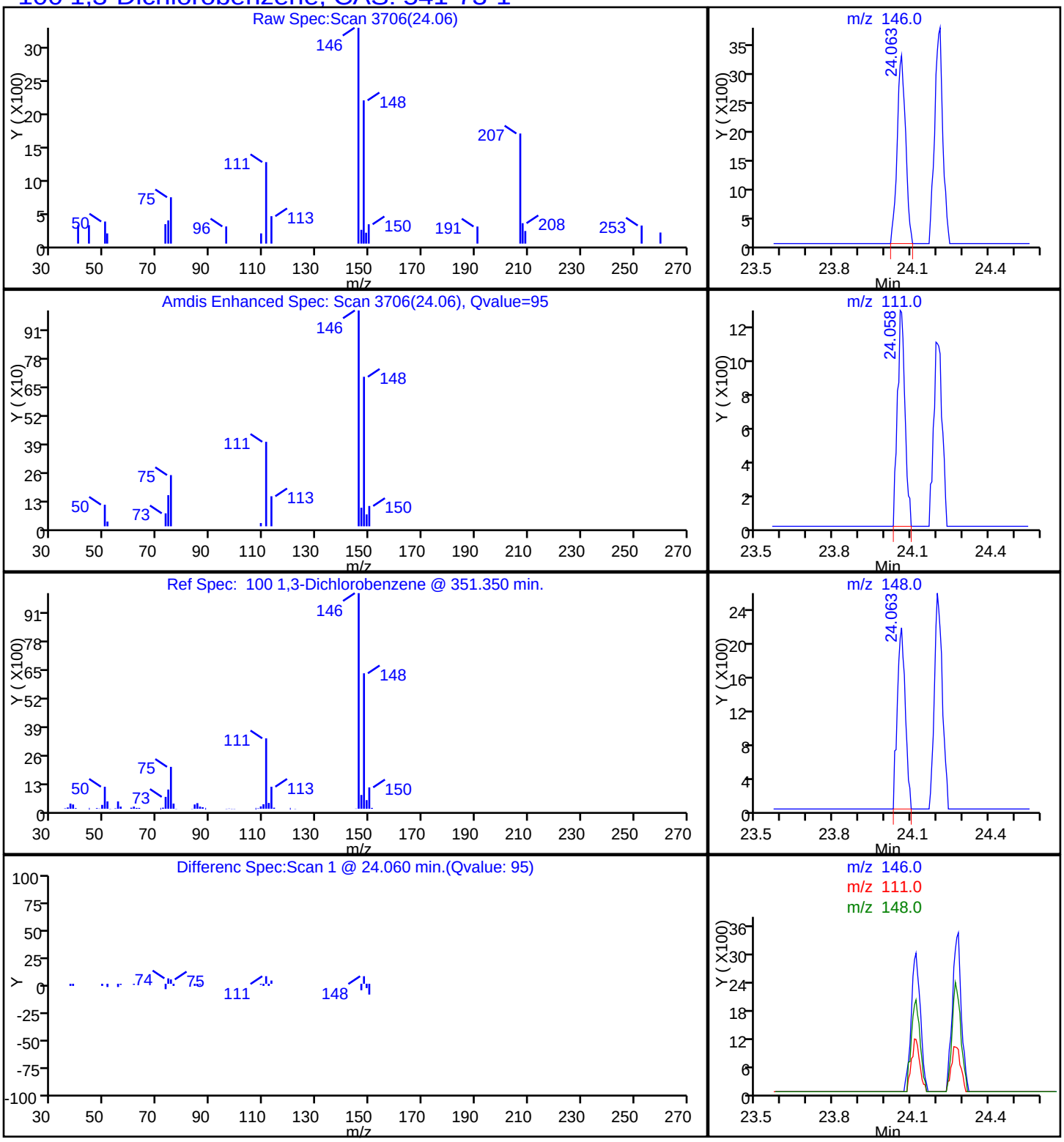
Operator ID: BPL ALS Bottle#: 5 Worklist Smp#: 6

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



Report Date: 01-Aug-2014 10:24:37 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140731-8801.b\8801_006.d

Injection Date: 31-Jul-2014 15:31:30 Instrument ID: CHW.i

Lims ID: MB

Client ID:

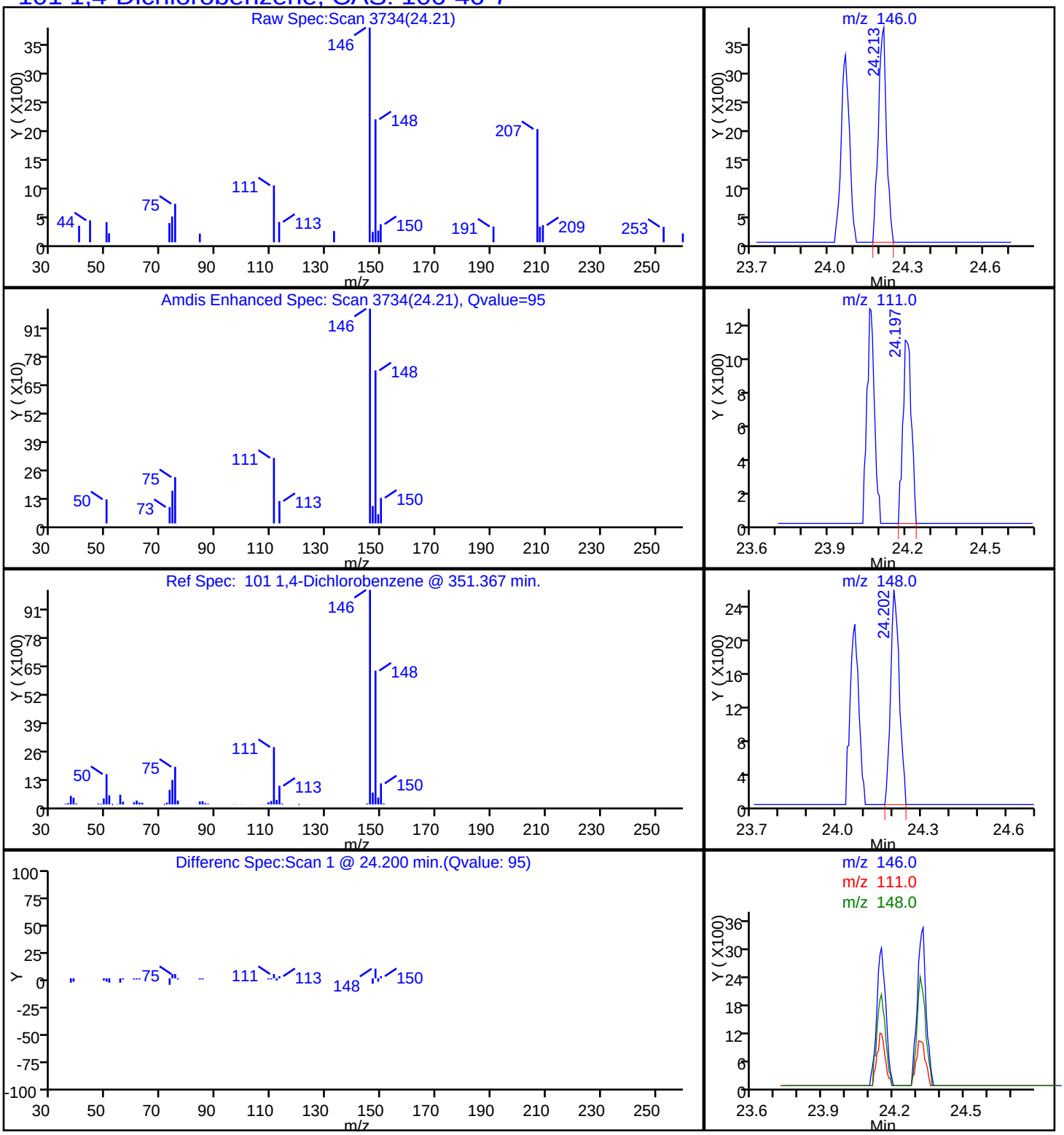
Operator ID: BPL ALS Bottle#: 5 Worklist Smp#: 6

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



Report Date: 01-Aug-2014 10:24:37 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140731-8801.b\8801_006.d

Injection Date: 31-Jul-2014 15:31:30 Instrument ID: CHW.i

Lims ID: MB

Client ID:

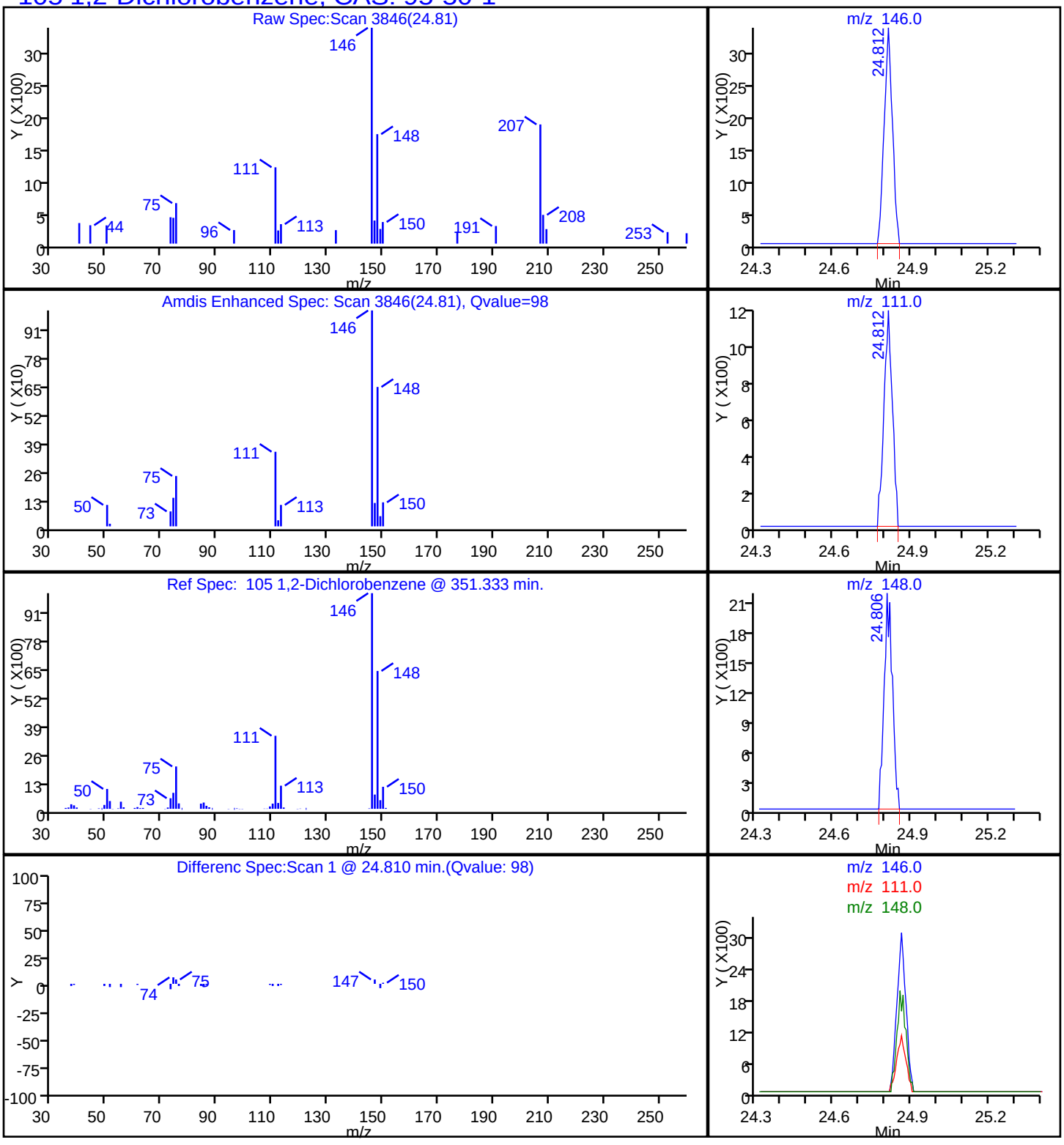
Operator ID: BPL ALS Bottle#: 5 Worklist Smp#: 6

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



Report Date: 01-Aug-2014 10:24:37 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140731-8801.b\8801_006.d

Injection Date: 31-Jul-2014 15:31:30 Instrument ID: CHW.i

Lims ID: MB

Client ID:

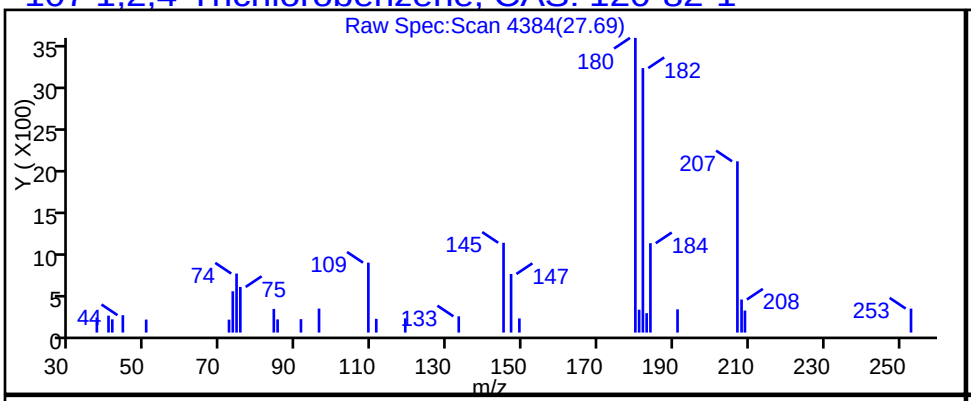
Operator ID: BPL ALS Bottle#: 5 Worklist Smp#: 6

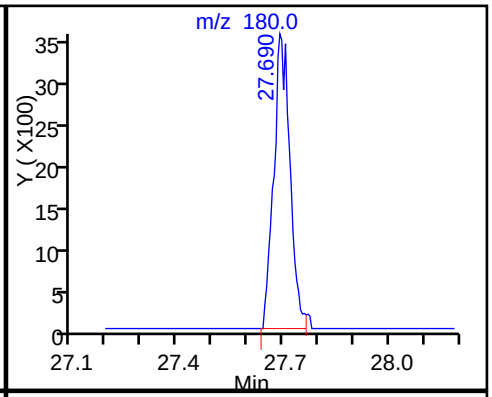
Purge Vol: 200.000 mL Dil. Factor: 1.0000

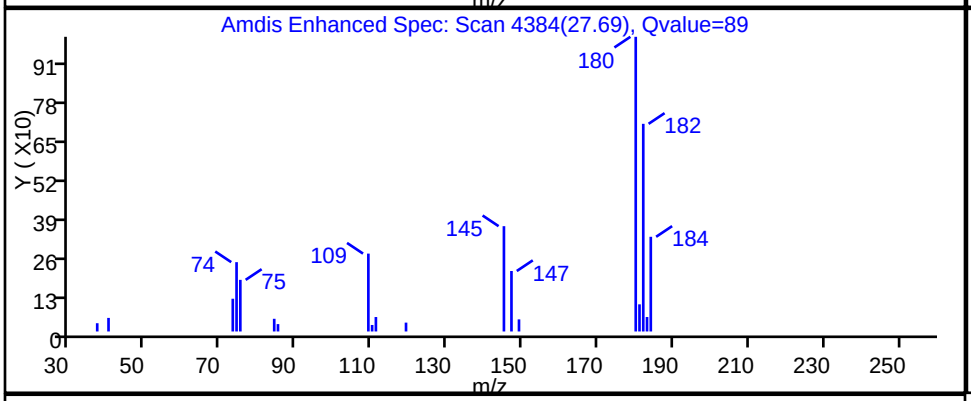
Method: TO15_LLNJ_TO3_W_(v1) Limit Group: AI_TO15_ICAL

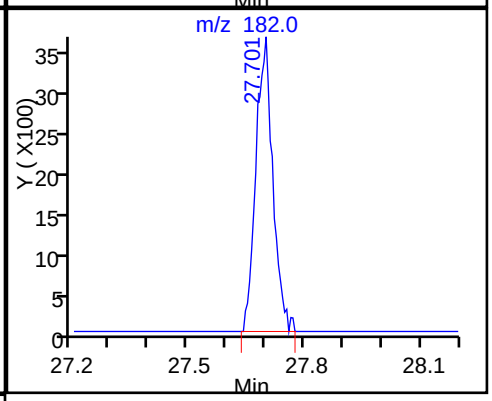
Column: RTX-624 (0.32 mm) Detector MS SCAN

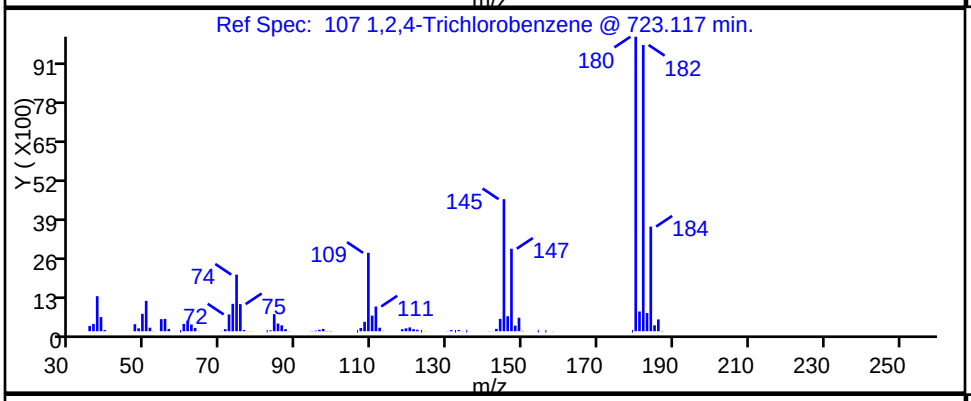
107 1,2,4-Trichlorobenzene, CAS: 120-82-1

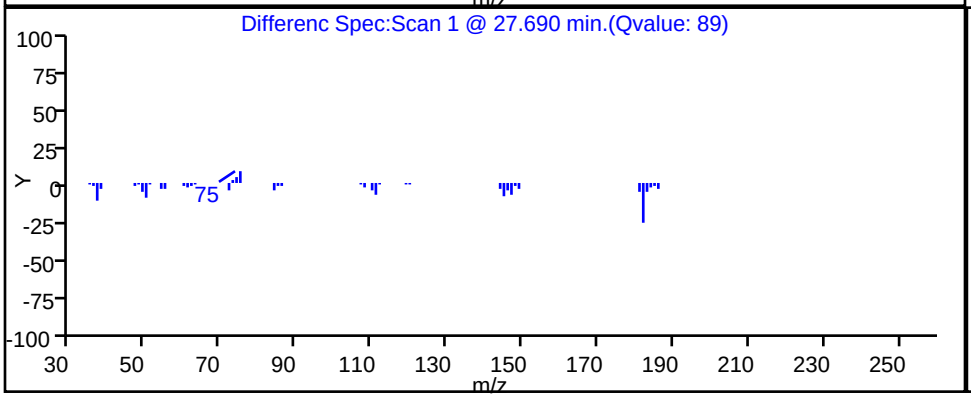


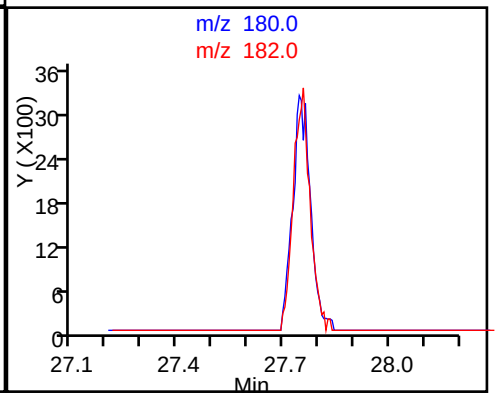












Report Date: 01-Aug-2014 10:24:37 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140731-8801.b\8801_006.d

Injection Date: 31-Jul-2014 15:31:30 Instrument ID: CHW.i

Lims ID: MB

Client ID:

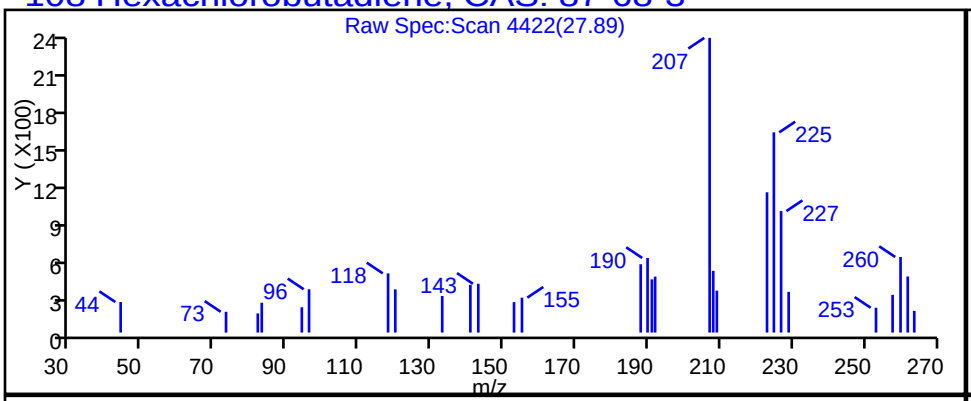
Operator ID: BPL ALS Bottle#: 5 Worklist Smp#: 6

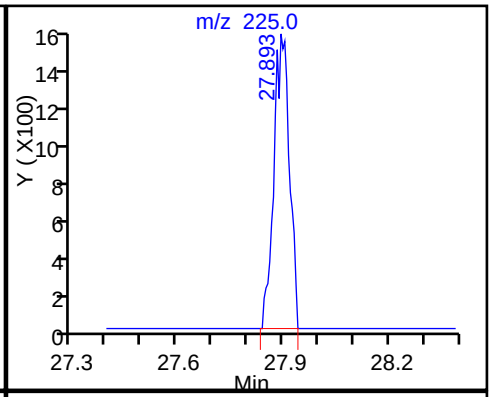
Purge Vol: 200.000 mL Dil. Factor: 1.0000

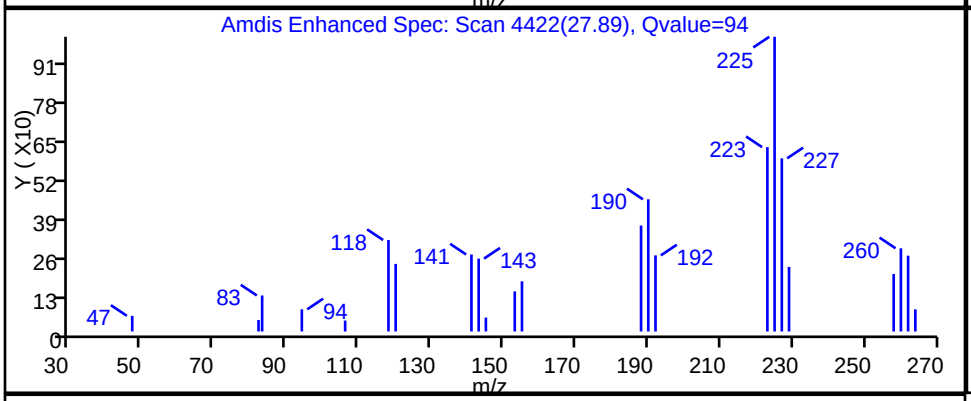
Method: TO15_LLNJ_TO3_W_(v1) Limit Group: AI_TO15_ICAL

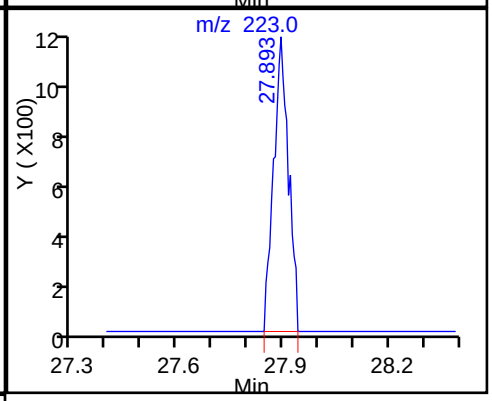
Column: RTX-624 (0.32 mm) Detector MS SCAN

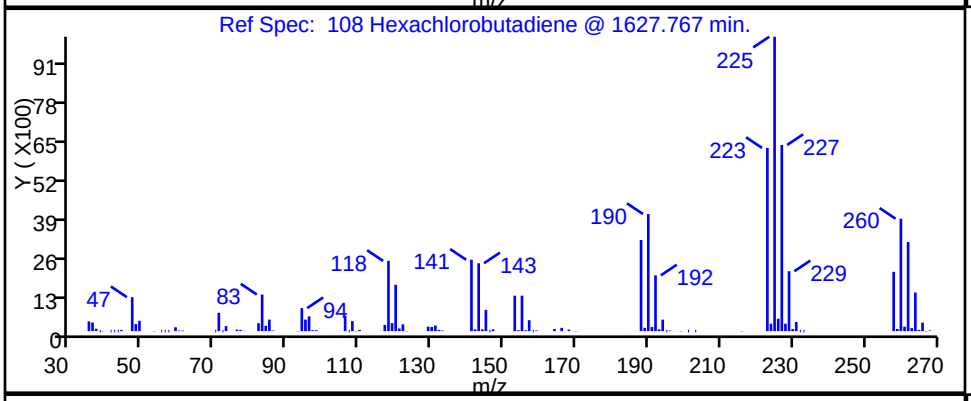
108 Hexachlorobutadiene, CAS: 87-68-3

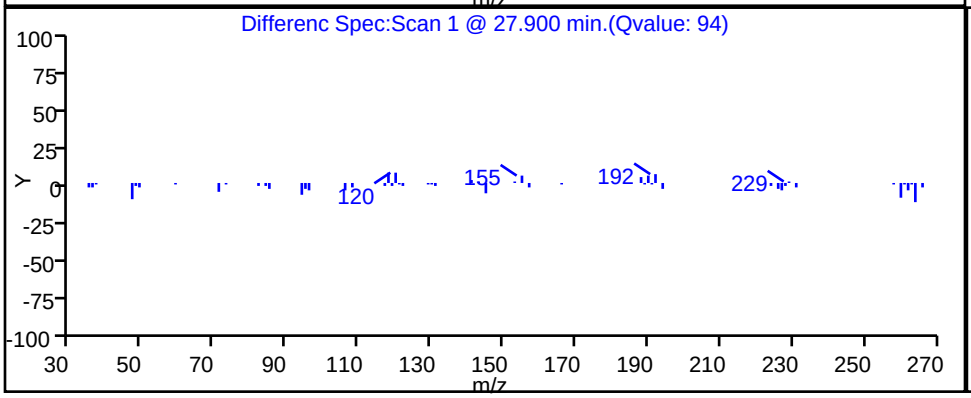


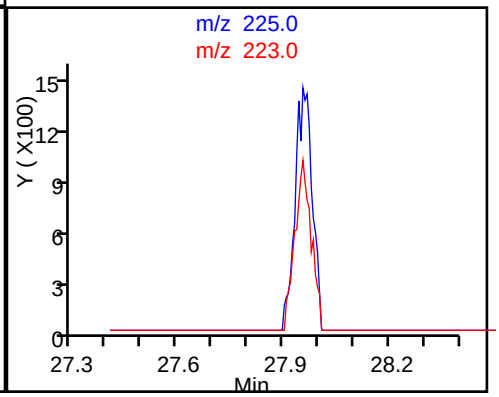












FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 200-75211/3

Matrix: Air Lab File ID: 8677_003.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 07/23/2014 10:22

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75211 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	10.7		0.50	0.030
75-45-6	Freon 22	86.47	10.6		0.50	0.048
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	11.3		0.20	0.035
74-87-3	Chloromethane	50.49	9.77		0.50	0.14
106-97-8	n-Butane	58.12	9.87		0.50	0.28
75-01-4	Vinyl chloride	62.50	9.84		0.20	0.038
106-99-0	1,3-Butadiene	54.09	9.69		0.20	0.042
74-83-9	Bromomethane	94.94	9.64		0.20	0.028
75-00-3	Chloroethane	64.52	9.48		0.50	0.030
593-60-2	Bromoethene(Vinyl Bromide)	106.96	9.38		0.20	0.030
75-69-4	Trichlorofluoromethane	137.37	10.0		0.20	0.030
76-13-1	Freon TF	187.38	10.1		0.20	0.018
75-35-4	1,1-Dichloroethene	96.94	9.71		0.20	0.024
67-64-1	Acetone	58.08	10.4		5.0	1.3
67-63-0	Isopropyl alcohol	60.10	8.69		5.0	0.22
75-15-0	Carbon disulfide	76.14	10.3		0.50	0.066
107-05-1	3-Chloropropene	76.53	8.81		0.50	0.034
75-09-2	Methylene Chloride	84.93	9.66		0.50	0.13
75-65-0	tert-Butyl alcohol	74.12	9.43		5.0	0.33
1634-04-4	Methyl tert-butyl ether	88.15	9.86		0.20	0.022
156-60-5	trans-1,2-Dichloroethene	96.94	10.2		0.20	0.029
110-54-3	n-Hexane	86.17	10.2		0.20	0.034
75-34-3	1,1-Dichloroethane	98.96	9.85		0.20	0.038
78-93-3	Methyl Ethyl Ketone	72.11	8.92		0.50	0.24
156-59-2	cis-1,2-Dichloroethene	96.94	9.37		0.20	0.038
540-59-0	1,2-Dichloroethene, Total	96.94	19.6		0.20	0.064
67-66-3	Chloroform	119.38	9.95		0.20	0.025
109-99-9	Tetrahydrofuran	72.11	9.53		5.0	0.046
71-55-6	1,1,1-Trichloroethane	133.41	9.87		0.20	0.021
110-82-7	Cyclohexane	84.16	9.46		0.20	0.025
56-23-5	Carbon tetrachloride	153.81	10.0		0.20	0.021
540-84-1	2,2,4-Trimethylpentane	114.23	9.31		0.20	0.027
71-43-2	Benzene	78.11	9.22		0.20	0.019
107-06-2	1,2-Dichloroethane	98.96	10.1		0.20	0.017

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

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 200-75211/3

Matrix: Air Lab File ID: 8677_003.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 07/23/2014 10:22

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75211 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
142-82-5	n-Heptane	100.21	9.47		0.20	0.046
79-01-6	Trichloroethene	131.39	10.2		0.20	0.024
80-62-6	Methyl methacrylate	100.12	10.5		0.50	0.030
78-87-5	1,2-Dichloropropane	112.99	9.94		0.20	0.032
123-91-1	1,4-Dioxane	88.11	9.84		5.0	0.20
75-27-4	Bromodichloromethane	163.83	10.3		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	9.52		0.50	0.027
108-88-3	Toluene	92.14	9.79		0.20	0.017
10061-02-6	trans-1,3-Dichloropropene	110.97	9.67		0.20	0.022
79-00-5	1,1,2-Trichloroethane	133.41	9.88		0.20	0.017
127-18-4	Tetrachloroethene	165.83	9.43		0.20	0.016
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	9.24		0.50	0.20
124-48-1	Dibromochloromethane	208.29	9.79		0.20	0.020
106-93-4	1,2-Dibromoethane	187.87	9.91		0.20	0.020
108-90-7	Chlorobenzene	112.56	9.53		0.20	0.0081
100-41-4	Ethylbenzene	106.17	9.80		0.20	0.013
179601-23-1	m,p-Xylene	106.17	19.0		0.50	0.023
95-47-6	Xylene, o-	106.17	9.54		0.20	0.016
1330-20-7	Xylene (total)	106.17	28.5		0.20	0.034
100-42-5	Styrene	104.15	9.71		0.20	0.018
75-25-2	Bromoform	252.75	9.78		0.20	0.010
98-82-8	Cumene	120.19	9.65		0.20	0.016
79-34-5	1,1,2,2-Tetrachloroethane	167.85	9.81		0.20	0.016
103-65-1	n-Propylbenzene	120.19	9.85		0.20	0.080
622-96-8	4-Ethyltoluene	120.20	9.91		0.20	0.018
108-67-8	1,3,5-Trimethylbenzene	120.20	9.79		0.20	0.012
95-49-8	2-Chlorotoluene	126.59	9.58		0.20	0.013
98-06-6	tert-Butylbenzene	134.22	9.67		0.20	0.017
95-63-6	1,2,4-Trimethylbenzene	120.20	9.80		0.20	0.014
135-98-8	sec-Butylbenzene	134.22	9.69		0.20	0.080
99-87-6	4-Isopropyltoluene	134.22	9.78		0.20	0.080
541-73-1	1,3-Dichlorobenzene	147.00	9.56		0.20	0.014
106-46-7	1,4-Dichlorobenzene	147.00	9.70		0.20	0.014

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

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 200-75211/3

Matrix: Air Lab File ID: 8677_003.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 07/23/2014 10:22

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75211 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	9.30		0.20	0.080
104-51-8	n-Butylbenzene	134.22	10.2		0.20	0.080
95-50-1	1,2-Dichlorobenzene	147.00	9.61		0.20	0.014
120-82-1	1,2,4-Trichlorobenzene	181.45	11.4		0.50	0.027
87-68-3	Hexachlorobutadiene	260.76	10.7		0.20	0.022
91-20-3	Naphthalene	128.17	11.1		0.50	0.20

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140723-8677.b\8677_003.D
Lims ID: lcs
Client ID:
Sample Type: LCS
Inject. Date: 23-Jul-2014 10:22:30 ALS Bottle#: 3 Worklist Smp#: 3
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0008677-008
Misc. Info.: lcs
Operator ID: bpl Instrument ID: CHC.i

Method: \\BTV-LIMS1\ChromData\CHC.i\20140723-8677.b\TO15_LLNJ_TO3_CHC.m
Limit Group: AI_TO15_ICAL
Last Update: 23-Jul-2014 11:10:38 Calib Date: 18-Jul-2014 09:36:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHC.i\20140717-8605.b\8605_018.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK001

First Level Reviewer: lyonsb Date: 23-Jul-2014 11:10:26

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	3.004	3.004	0.000	95	62909	10.0	9.39	
2 Dichlorodifluoromethane	85	3.074	3.079	-0.005	99	378766	10.0	10.7	
6 Chlorodifluoromethane	51	3.132	3.132	0.000	96	167991	10.0	10.6	
7 1,2-Dichloro-1,1,2,2-tetra	85	3.351	3.351	0.000	98	345071	10.0	11.3	
8 Chloromethane	50	3.495	3.495	0.000	100	82248	10.0	9.77	
9 Butane	43	3.698	3.698	0.000	97	134808	10.0	9.87	
10 Vinyl chloride	62	3.746	3.746	0.000	98	101417	10.0	9.84	
11 Butadiene	54	3.826	3.832	-0.006	92	74918	10.0	9.69	
12 Bromomethane	94	4.536	4.536	0.000	98	101435	10.0	9.64	
18 BFB									
13 Chloroethane	64	4.792	4.792	0.000	100	42577	10.0	9.48	
14 2-Methylbutane	43	4.862	4.862	0.000	88	81550	10.0	9.77	
15 Vinyl bromide	106	5.192	5.192	0.000	98	97125	10.0	9.38	
16 Trichlorofluoromethane	101	5.299	5.294	0.005	99	378309	10.0	10.0	
17 Pentane	43	5.443	5.443	0.000	94	143078	10.0	10.3	
19 Ethanol	45	5.945	5.950	-0.005	99	34877	15.0	12.6	
21 Ethyl ether	59	5.998	6.004	-0.006	92	67004	10.0	11.2	
22 Acrolein	56	6.409	6.409	0.000	38	28240	10.0	11.1	
23 1,1,2-Trichloro-1,2,2-trif	101	6.415	6.425	-0.010	97	213828	10.0	10.1	
24 1,1-Dichloroethene	96	6.457	6.463	-0.006	99	96577	10.0	9.71	
25 Acetone	43	6.735	6.740	-0.005	86	142739	10.0	10.4	
26 Carbon disulfide	76	6.842	6.842	0.000	99	301333	10.0	10.3	
27 Isopropyl alcohol	45	7.060	7.071	-0.011	98	95441	10.0	8.69	
29 3-Chloro-1-propene	41	7.279	7.285	-0.006	87	92191	10.0	8.81	
30 Acetonitrile	41	7.445	7.445	0.000	96	53304	10.0	10.0	
31 Methylene Chloride	49	7.589	7.589	0.000	88	93891	10.0	9.66	
32 2-Methyl-2-propanol	59	7.856	7.861	-0.005	98	170770	10.0	9.43	
33 Methyl tert-butyl ether	73	8.005	8.005	0.000	95	289202	10.0	9.86	
34 trans-1,2-Dichloroethene	61	8.032	8.037	-0.005	92	140910	10.0	10.2	
35 Acrylonitrile	53	8.218	8.219	-0.001	94	57256	10.0	10.1	
36 Hexane	57	8.427	8.427	0.000	90	129025	10.0	10.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
37 1,1-Dichloroethane	63	8.939	8.934	0.005	100	182149	10.0	9.85	
38 Vinyl acetate	43	9.035	9.035	0.000	99	216744	10.0	9.44	
39 cis-1,2-Dichloroethene	96	10.076	10.081	-0.005	97	123629	10.0	9.37	
40 2-Butanone (MEK)	72	10.150	10.156	-0.006	99	54135	10.0	8.92	
42 Ethyl acetate	88	10.204	10.199	0.006	99	9284	10.0	9.95	
S 41 1,2-Dichloroethene, Total	61				0		20.0	19.6	
* 43 Chlorobromomethane	128	10.551	10.551	0.000	85	114234	10.0	10.0	
44 Tetrahydrofuran	42	10.572	10.567	0.005	87	110384	10.0	9.53	
45 Chloroform	83	10.695	10.695	0.000	99	307476	10.0	9.95	
46 Cyclohexane	84	10.908	10.919	-0.011	91	167122	10.0	9.46	
47 1,1,1-Trichloroethane	97	10.956	10.956	0.000	96	363220	10.0	9.87	
48 Carbon tetrachloride	117	11.207	11.207	0.000	99	399327	10.0	10.0	
51 Isooctane	57	11.650	11.655	-0.005	98	648573	10.0	9.31	
50 Benzene	78	11.687	11.693	-0.006	97	413541	10.0	9.22	
52 1,2-Dichloroethane	62	11.890	11.896	-0.006	99	257094	10.0	10.1	
53 n-Heptane	43	12.066	12.061	0.005	92	262547	10.0	9.47	
* 54 1,4-Difluorobenzene	114	12.568	12.568	0.000	96	707502	10.0	10.0	
55 n-Butanol	56	13.011	13.016	-0.005	89	86999	10.0	9.76	
56 Trichloroethene	95	13.032	13.032	0.000	94	251132	10.0	10.2	
A 57 GRO	1	13.168	(4.852-21.485)		0	58879636	10.0	0	
58 1,2-Dichloropropane	63	13.609	13.614	-0.005	89	221282	10.0	9.94	
59 Methyl methacrylate	69	13.801	13.801	0.000	89	214587	10.0	10.5	
60 1,4-Dioxane	88	13.854	13.860	-0.006	95	81620	10.0	9.84	
61 Dibromomethane	174	13.870	13.876	-0.006	92	191301	10.0	9.68	
62 Dichlorobromomethane	83	14.180	14.180	0.000	99	484350	10.0	10.3	
A 63 TVOC as Toluene	1	14.882	(2.994-26.769)		0	110912470	10.0	2768.7	
64 cis-1,3-Dichloropropene	75	15.124	15.130	-0.006	94	353060	10.0	10.3	
65 4-Methyl-2-pentanone (MIBK	43	15.429	15.434	-0.005	97	437517	10.0	9.52	
A 67 Toluene Range	1	15.712	(15.672-15.752)		0	1648836	NC	NC	
66 Toluene	92	15.717	15.712	0.005	94	404816	10.0	9.79	
68 n-Octane	43	15.770	15.770	0.000	92	470751	10.0	9.97	
A 69 C8 Range	1	16.000	(15.769-16.270)		0	1912029	NC	NC	
70 trans-1,3-Dichloropropene	75	16.331	16.331	0.000	96	380510	10.0	9.67	
71 1,1,2-Trichloroethane	83	16.704	16.704	0.000	94	219711	10.0	9.88	
72 Tetrachloroethene	166	16.790	16.790	0.000	92	299495	10.0	9.43	
73 2-Hexanone	43	17.168	17.163	0.005	96	430394	10.0	9.24	
74 Chlorodibromomethane	129	17.462	17.462	0.000	97	441464	10.0	9.79	
75 Ethylene Dibromide	107	17.729	17.729	0.000	99	395332	10.0	9.91	
* 76 Chlorobenzene-d5	117	18.625	18.620	0.005	90	730439	10.0	10.0	
77 Chlorobenzene	112	18.684	18.684	0.000	91	518513	10.0	9.53	
78 Ethylbenzene	91	18.834	18.834	0.000	99	903604	10.0	9.80	
79 n-Nonane	57	18.956	18.956	0.000	89	466255	10.0	9.88	
81 m-Xylene & p-Xylene	106	19.084	19.084	0.000	98	651345	20.0	19.0	
83 o-Xylene	106	19.922	19.922	0.000	92	340859	10.0	9.54	
84 Styrene	104	19.976	19.976	0.000	94	496823	10.0	9.71	
S 82 Xylenes, Total	106				0		30.0	28.5	
85 Bromoform	173	20.397	20.392	0.005	94	404781	10.0	9.78	
86 Isopropylbenzene	105	20.595	20.595	0.000	98	971389	10.0	9.65	
$ 87 4-Bromofluorobenzene	95	20.963	20.963	0.000	82	591081	NC	NC	
88 1,1,2,2-Tetrachloroethane	83	21.251	21.251	0.000	97	562262	10.0	9.81	
90 N-Propylbenzene	91	21.310	21.310	0.000	98	1219055	10.0	9.85	
89 1,2,3-Trichloropropane	75	21.342	21.342	0.000	98	465346	10.0	9.88	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
93 n-Decane	57	21.475	21.475	0.000	88	551025	10.0	10.2	
91 4-Ethyltoluene	105	21.497	21.497	0.000	96	933814	10.0	9.91	
92 2-Chlorotoluene	91	21.502	21.502	0.000	95	841293	10.0	9.58	
94 1,3,5-Trimethylbenzene	105	21.603	21.603	0.000	92	844795	10.0	9.79	
95 Alpha Methyl Styrene	118	21.966	21.966	0.000	86	410740	10.0	10.7	
96 tert-Butylbenzene	119	22.084	22.084	0.000	96	766525	10.0	9.67	
97 1,2,4-Trimethylbenzene	105	22.180	22.180	0.000	99	842180	10.0	9.80	
98 sec-Butylbenzene	105	22.404	22.404	0.000	97	1151786	10.0	9.69	
99 4-Isopropyltoluene	119	22.607	22.607	0.000	95	947159	10.0	9.78	
100 1,3-Dichlorobenzene	146	22.633	22.633	0.000	92	521312	10.0	9.56	
101 1,4-Dichlorobenzene	146	22.772	22.772	0.000	91	540182	10.0	9.70	
102 Benzyl chloride	91	22.970	22.970	0.000	98	708520	10.0	9.30	
103 n-Butylbenzene	91	23.172	23.173	-0.001	99	968842	10.0	10.2	
104 Undecane	57	23.194	23.194	0.000	94	642117	10.0	11.1	
105 1,2-Dichlorobenzene	146	23.301	23.301	0.000	92	515288	10.0	9.61	
106 Dodecane	57	24.774	24.774	0.000	95	618089	10.0	13.8	
107 1,2,4-Trichlorobenzene	180	25.798	25.798	0.000	93	362230	10.0	11.4	
108 Hexachlorobutadiene	225	25.980	25.980	0.000	90	374415	10.0	10.7	
109 Naphthalene	128	26.284	26.289	-0.005	99	795211	10.0	11.1	
110 1,2,3-Trichlorobenzene	180	26.759	26.759	0.000	94	301711	10.0	13.3	

QC Flag Legend

Processing Flags
NC - Not Calibrated

Reagents:

ATTO15LCSW_00387	Amount Added: 200.00	Units: mL	
ATTO15CISs_00006	Amount Added: 20.00	Units: mL	Run Reagent

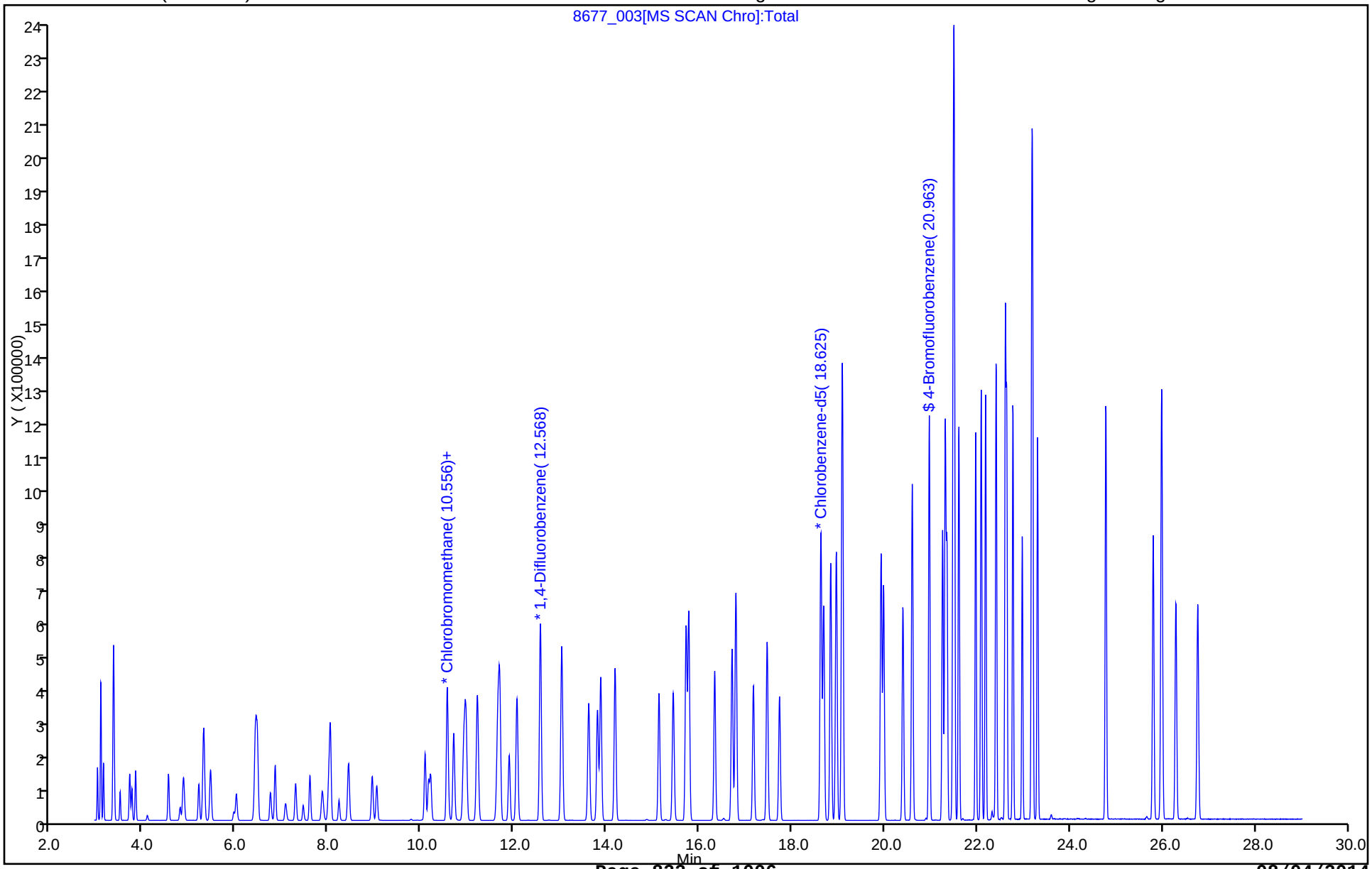
Report Date: 23-Jul-2014 11:10:40 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140723-8677.b\8677_003.D

Injection Date:	23-Jul-2014 10:22:30	Instrument ID:	CHC.i	Operator ID:	bpl
Lims ID:	lcs			Worklist Smp#:	3
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
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 I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 200-75271/3

Matrix: Air Lab File ID: 8696_003.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 07/24/2014 11:27

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75271 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	10.1		0.50	0.030
75-45-6	Freon 22	86.47	9.60		0.50	0.048
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	11.2		0.20	0.035
74-87-3	Chloromethane	50.49	8.97		0.50	0.14
106-97-8	n-Butane	58.12	9.28		0.50	0.28
75-01-4	Vinyl chloride	62.50	9.67		0.20	0.038
106-99-0	1,3-Butadiene	54.09	9.36		0.20	0.042
74-83-9	Bromomethane	94.94	9.34		0.20	0.028
75-00-3	Chloroethane	64.52	8.09		0.50	0.030
593-60-2	Bromoethene(Vinyl Bromide)	106.96	10.1		0.20	0.030
75-69-4	Trichlorofluoromethane	137.37	9.90		0.20	0.030
76-13-1	Freon TF	187.38	10.2		0.20	0.018
75-35-4	1,1-Dichloroethene	96.94	10.0		0.20	0.024
67-64-1	Acetone	58.08	9.00		5.0	1.3
67-63-0	Isopropyl alcohol	60.10	8.61		5.0	0.22
75-15-0	Carbon disulfide	76.14	11.0		0.50	0.066
107-05-1	3-Chloropropene	76.53	8.13		0.50	0.034
75-09-2	Methylene Chloride	84.93	9.17		0.50	0.13
75-65-0	tert-Butyl alcohol	74.12	9.95		5.0	0.33
1634-04-4	Methyl tert-butyl ether	88.15	9.68		0.20	0.022
156-60-5	trans-1,2-Dichloroethene	96.94	10.2		0.20	0.029
110-54-3	n-Hexane	86.17	9.22		0.20	0.034
75-34-3	1,1-Dichloroethane	98.96	9.75		0.20	0.038
78-93-3	Methyl Ethyl Ketone	72.11	9.16		0.50	0.24
156-59-2	cis-1,2-Dichloroethene	96.94	9.84		0.20	0.038
540-59-0	1,2-Dichloroethene, Total	96.94	20.0		0.20	0.064
67-66-3	Chloroform	119.38	9.95		0.20	0.025
109-99-9	Tetrahydrofuran	72.11	9.49		5.0	0.046
71-55-6	1,1,1-Trichloroethane	133.41	10.1		0.20	0.021
110-82-7	Cyclohexane	84.16	9.99		0.20	0.025
56-23-5	Carbon tetrachloride	153.81	10.4		0.20	0.021
540-84-1	2,2,4-Trimethylpentane	114.23	9.34		0.20	0.027
71-43-2	Benzene	78.11	9.90		0.20	0.019
107-06-2	1,2-Dichloroethane	98.96	9.49		0.20	0.017

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

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 200-75271/3

Matrix: Air Lab File ID: 8696_003.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 07/24/2014 11:27

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75271 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
142-82-5	n-Heptane	100.21	8.32		0.20	0.046
79-01-6	Trichloroethene	131.39	9.89		0.20	0.024
80-62-6	Methyl methacrylate	100.12	10.2		0.50	0.030
78-87-5	1,2-Dichloropropane	112.99	9.38		0.20	0.032
123-91-1	1,4-Dioxane	88.11	9.84		5.0	0.20
75-27-4	Bromodichloromethane	163.83	10.1		0.20	0.017
10061-01-5	cis-1,3-Dichloropropene	110.97	10.2		0.20	0.028
108-10-1	methyl isobutyl ketone	100.16	9.65		0.50	0.027
108-88-3	Toluene	92.14	9.37		0.20	0.017
10061-02-6	trans-1,3-Dichloropropene	110.97	10.4		0.20	0.022
79-00-5	1,1,2-Trichloroethane	133.41	10.3		0.20	0.017
127-18-4	Tetrachloroethene	165.83	9.88		0.20	0.016
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	9.65		0.50	0.20
124-48-1	Dibromochloromethane	208.29	10.5		0.20	0.020
106-93-4	1,2-Dibromoethane	187.87	10.6		0.20	0.020
108-90-7	Chlorobenzene	112.56	10.3		0.20	0.0081
100-41-4	Ethylbenzene	106.17	10.3		0.20	0.013
179601-23-1	m,p-Xylene	106.17	20.9		0.50	0.023
95-47-6	Xylene, o-	106.17	10.1		0.20	0.016
1330-20-7	Xylene (total)	106.17	31.0		0.20	0.034
100-42-5	Styrene	104.15	10.7		0.20	0.018
75-25-2	Bromoform	252.75	11.2		0.20	0.010
98-82-8	Cumene	120.19	10.5		0.20	0.016
79-34-5	1,1,2,2-Tetrachloroethane	167.85	11.1		0.20	0.016
103-65-1	n-Propylbenzene	120.19	10.9		0.20	0.080
622-96-8	4-Ethyltoluene	120.20	11.2		0.20	0.018
108-67-8	1,3,5-Trimethylbenzene	120.20	10.8		0.20	0.012
95-49-8	2-Chlorotoluene	126.59	10.6		0.20	0.013
98-06-6	tert-Butylbenzene	134.22	10.7		0.20	0.017
95-63-6	1,2,4-Trimethylbenzene	120.20	10.8		0.20	0.014
135-98-8	sec-Butylbenzene	134.22	10.9		0.20	0.080
99-87-6	4-Isopropyltoluene	134.22	11.1		0.20	0.080
541-73-1	1,3-Dichlorobenzene	147.00	11.1		0.20	0.014
106-46-7	1,4-Dichlorobenzene	147.00	11.1		0.20	0.014

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

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 200-75271/3

Matrix: Air Lab File ID: 8696_003.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 07/24/2014 11:27

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75271 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	10.3		0.20	0.080
104-51-8	n-Butylbenzene	134.22	11.3		0.20	0.080
95-50-1	1,2-Dichlorobenzene	147.00	10.9		0.20	0.014
120-82-1	1,2,4-Trichlorobenzene	181.45	10.4		0.50	0.027
87-68-3	Hexachlorobutadiene	260.76	9.89		0.20	0.022
91-20-3	Naphthalene	128.17	9.29		0.50	0.20

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140724-8696.b\8696_003.d
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 24-Jul-2014 11:27:30 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0008696-003
Misc. Info.: LCS
Operator ID: bl Instrument ID: CHW.i

Method: \\BTV-LIMS1\ChromData\CHW.i\20140724-8696.b\TO15_LLNJ_TO3_W_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 24-Jul-2014 16:08:29 Calib Date: 15-Jun-2014 00:33:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20140613-8058.b\8058_017.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK034

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	4.403	4.387	0.016	98	306044	10.0	8.63	
2 Dichlorodifluoromethane	85	4.494	4.483	0.011	88	1427462	10.0	10.1	
6 Chlorodifluoromethane	51	4.558	4.552	0.006	79	677954	10.0	9.60	
7 1,2-Dichloro-1,1,2,2-tetra	85	4.847	4.836	0.011	90	1584827	10.0	11.2	
8 Chloromethane	50	5.039	5.029	0.010	89	374635	10.0	8.97	
9 Butane	43	5.301	5.291	0.010	95	642478	10.0	9.28	
10 Vinyl chloride	62	5.360	5.350	0.010	82	501816	10.0	9.67	
11 Butadiene	54	5.456	5.446	0.010	92	345119	10.0	9.36	
13 BFB									
12 Bromomethane	94	6.318	6.312	0.006	99	487098	10.0	9.34	
14 Chloroethane	64	6.607	6.596	0.011	94	237083	10.0	8.09	
15 2-Methylbutane	43	6.687	6.682	0.005	91	459214	10.0	8.37	
16 Vinyl bromide	106	7.083	7.077	0.006	92	645912	10.0	10.1	
17 Trichlorofluoromethane	101	7.200	7.190	0.010	86	1542633	10.0	9.90	
18 Pentane	43	7.361	7.350	0.011	97	793211	10.0	10.1	
19 Ethanol	45	7.805	7.800	0.005	99	247115	15.0	12.3	
21 Ethyl ether	59	7.939	7.933	0.006	91	357239	10.0	10.1	
22 Acrolein	56	8.404	8.404	0.000	57	151948	10.0	10.1	
23 1,1,2-Trichloro-1,2,2-trif	101	8.442	8.436	0.006	94	1214908	10.0	10.2	
24 1,1-Dichloroethene	96	8.517	8.511	0.006	83	587255	10.0	10.0	
25 Acetone	43	8.747	8.741	0.006	90	663323	10.0	9.00	
26 Carbon disulfide	76	9.003	8.998	0.005	98	1606707	10.0	11.0	
27 Isopropyl alcohol	45	9.035	9.025	0.010	93	535138	10.0	8.61	
29 3-Chloro-1-propene	41	9.399	9.399	0.000	88	456898	10.0	8.13	
30 Acetonitrile	41	9.533	9.528	0.005	100	304497	10.0	9.69	
31 Methylene Chloride	49	9.736	9.726	0.010	77	463544	10.0	9.17	
32 2-Methyl-2-propanol	59	9.907	9.891	0.016	99	892978	10.0	9.95	
33 Methyl tert-butyl ether	73	10.154	10.148	0.006	96	1514959	10.0	9.68	
S 41 1,2-Dichloroethene, Total	61				0		20.0	20.1	
34 trans-1,2-Dichloroethene	61	10.228	10.223	0.005	78	717852	10.0	10.2	
35 Acrylonitrile	53	10.373	10.373	0.000	95	322775	10.0	9.44	
36 Hexane	57	10.646	10.635	0.011	88	785235	10.0	9.22	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
37 1,1-Dichloroethane	63	11.191	11.186	0.005	94	905623	10.0	9.75	
38 Vinyl acetate	43	11.223	11.223	0.000	99	995185	10.0	8.74	
39 cis-1,2-Dichloroethene	96	12.368	12.363	0.005	72	648007	10.0	9.84	
40 2-Butanone (MEK)	72	12.379	12.374	0.005	98	284925	10.0	9.16	
42 Ethyl acetate	88	12.395	12.400	-0.005	97	57091	10.0	10.9	
44 Tetrahydrofuran	42	12.839	12.839	0.000	87	466497	10.0	9.49	
* 43 Chlorobromomethane	128	12.844	12.844	0.000	64	482925	10.0	10.0	
45 Chloroform	83	12.957	12.957	0.000	85	1144452	10.0	9.95	
46 Cyclohexane	84	13.256	13.251	0.005	77	858211	10.0	10.0	
47 1,1,1-Trichloroethane	97	13.267	13.262	0.005	90	1239899	10.0	10.1	
48 Carbon tetrachloride	117	13.518	13.519	0.000	88	1399092	10.0	10.4	
51 Isooctane	57	13.914	13.909	0.005	99	2402168	10.0	9.34	
50 Benzene	78	13.973	13.968	0.005	93	1800020	10.0	9.90	
52 1,2-Dichloroethane	62	14.134	14.128	0.006	84	636915	10.0	9.49	
53 n-Heptane	43	14.262	14.262	0.000	84	773200	10.0	8.32	
* 54 1,4-Difluorobenzene	114	14.733	14.728	0.005	92	2317154	10.0	10.0	
A 57 GRO	1	14.760	(6.672-22.848)		0	222351933	10.0	0	
55 n-Butanol	56	15.016	15.011	0.005	81	260982	10.0	8.96	
56 Trichloroethene	95	15.198	15.193	0.005	89	842514	10.0	9.89	
58 1,2-Dichloropropane	63	15.712	15.712	0.000	88	585601	10.0	9.38	
59 Methyl methacrylate	69	15.797	15.797	0.000	74	625512	10.0	10.2	
60 1,4-Dioxane	88	15.894	15.888	0.006	73	308848	10.0	9.84	
61 Dibromomethane	174	15.963	15.958	0.005	87	988023	10.0	9.78	
62 Dichlorobromomethane	83	16.209	16.209	0.000	95	1221380	10.0	10.1	
A 63 TVOC as Toluene	92	16.616	(4.377-28.855)		0	399657190	10.0	2427.1	
64 cis-1,3-Dichloropropene	75	17.071	17.065	0.006	82	949367	10.0	10.2	
65 4-Methyl-2-pentanone (MIBK	43	17.301	17.295	0.006	92	1030563	10.0	9.65	
69 n-Octane	43	17.638	17.632	0.006	73	1063239	10.0	8.90	
A 68 C8 Range	1	17.632	(17.582-17.682)		0	9984879	NC	NC	
66 Toluene	92	17.643	17.638	0.005	93	1421278	10.0	9.37	
A 67 Toluene Range	92	17.638	(17.598-17.678)		0	9984879	10.0	65.8	E
70 trans-1,3-Dichloropropene	75	18.173	18.173	0.000	91	969997	10.0	10.4	
71 1,1,2-Trichloroethane	83	18.542	18.542	0.000	92	671747	10.0	10.3	
72 Tetrachloroethene	166	18.681	18.681	0.000	90	1551974	10.0	9.88	
73 2-Hexanone	43	18.927	18.922	0.005	92	992669	10.0	9.65	
74 Chlorodibromomethane	129	19.302	19.296	0.006	96	1582170	10.0	10.5	
75 Ethylene Dibromide	107	19.585	19.580	0.005	99	1350725	10.0	10.6	
S 82 Xylenes, Total	106				0		30.0	31.0	
* 76 Chlorobenzene-d5	117	20.425	20.425	0.000	80	2134204	10.0	10.0	
77 Chlorobenzene	112	20.484	20.484	0.000	92	2152785	10.0	10.3	
78 Ethylbenzene	91	20.596	20.596	0.000	95	3109045	10.0	10.3	
79 n-Nonane	57	20.650	20.650	0.000	82	1205179	10.0	9.40	
80 m-Xylene & p-Xylene	106	20.810	20.810	0.000	98	2690371	20.0	20.9	
83 o-Xylene	106	21.527	21.527	0.000	96	1334169	10.0	10.1	
84 Styrene	104	21.564	21.564	0.000	98	2034631	10.0	10.7	
85 Bromoform	173	21.950	21.944	0.006	99	1818524	10.0	11.2	
86 Isopropylbenzene	105	22.089	22.089	0.000	94	3778915	10.0	10.5	
$ 87 4-Bromofluorobenzene	95	22.426	22.426	0.000	98	1352605	NC	NC	
88 1,1,2,2-Tetrachloroethane	83	22.656	22.650	0.006	89	1835439	10.0	11.1	
90 N-Propylbenzene	91	22.725	22.725	0.000	99	4363811	10.0	10.9	
89 1,2,3-Trichloropropane	75	22.757	22.757	0.000	84	1340530	10.0	10.5	
93 n-Decane	57	22.838	22.838	0.000	81	1635475	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
91 4-Ethyltoluene	105	22.891	22.891	0.000	84	4000863	10.0	11.2	
92 2-Chlorotoluene	91	22.929	22.929	0.000	87	3096415	10.0	10.6	
94 1,3,5-Trimethylbenzene	105	22.982	22.982	0.000	80	3289861	10.0	10.8	
95 Alpha Methyl Styrene	118	23.335	23.335	0.000	90	1840198	10.0	11.9	
96 tert-Butylbenzene	119	23.458	23.458	0.000	93	3375356	10.0	10.7	
97 1,2,4-Trimethylbenzene	105	23.549	23.555	-0.006	94	3324512	10.0	10.8	
98 sec-Butylbenzene	105	23.790	23.790	0.000	98	4796036	10.0	10.9	
99 4-Isopropyltoluene	119	23.993	23.993	0.000	94	4322145	10.0	11.1	
100 1,3-Dichlorobenzene	146	24.063	24.063	0.000	98	2630853	10.0	11.1	
101 1,4-Dichlorobenzene	146	24.207	24.207	0.000	97	2589710	10.0	11.1	
102 Benzyl chloride	91	24.416	24.416	0.000	99	2011384	10.0	10.3	
104 Undecane	57	24.603	24.603	0.000	90	1814968	10.0	11.4	
103 n-Butylbenzene	91	24.630	24.630	0.000	97	3554511	10.0	11.3	
105 1,2-Dichlorobenzene	146	24.812	24.812	0.000	98	2538055	10.0	10.9	
106 Dodecane	57	26.401	26.401	0.000	92	1686908	10.0	11.7	
107 1,2,4-Trichlorobenzene	180	27.695	27.695	0.000	92	1959899	10.0	10.4	
108 Hexachlorobutadiene	225	27.899	27.899	0.000	94	1942928	10.0	9.89	
109 Naphthalene	128	28.278	28.278	0.000	99	3358515	10.0	9.29	
110 1,2,3-Trichlorobenzene	180	28.845	28.845	0.000	94	1774661	10.0	10.3	

QC Flag Legend

Processing Flags
NC - Not Calibrated
E - Exceeded Maximum Amount

Reagents:

ATTO15LCSW_00382	Amount Added: 200.00	Units: mL	
ATTO15WISs_00003	Amount Added: 20.00	Units: mL	Run Reagent

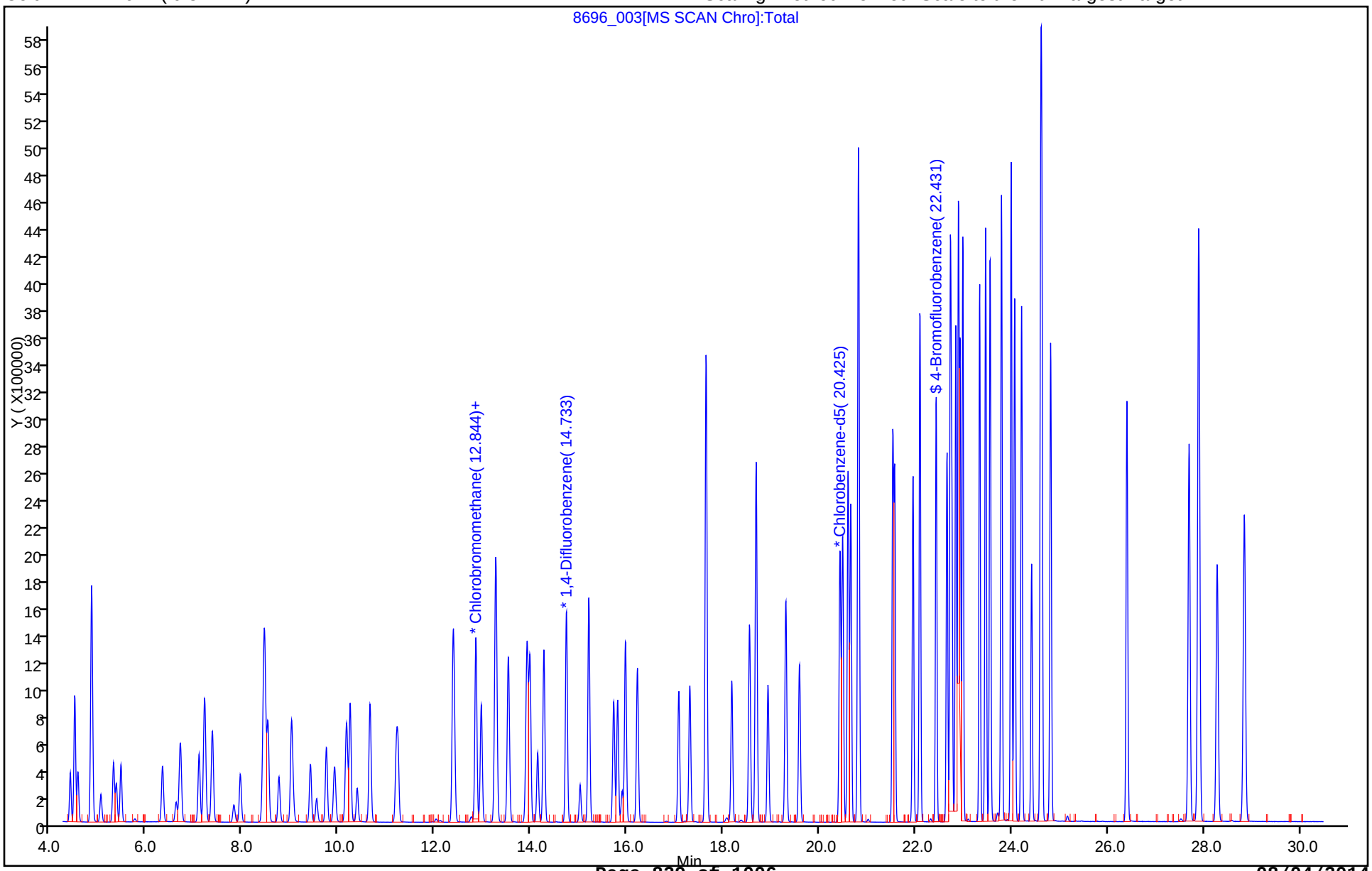
Report Date: 24-Jul-2014 16:08:32 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140724-8696.b\8696_003.d

Injection Date:	24-Jul-2014 11:27:30	Instrument ID:	CHW.i	Operator ID:	bl
Lims ID:	LCS			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



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

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 200-75517/3

Matrix: Air Lab File ID: 8801_003.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 07/31/2014 12:15

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75517 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	9.61		0.50	0.030
75-45-6	Freon 22	86.47	8.31		0.50	0.048
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	10.7		0.20	0.035
74-87-3	Chloromethane	50.49	7.78		0.50	0.14
106-97-8	n-Butane	58.12	7.23		0.50	0.28
75-01-4	Vinyl chloride	62.50	7.80		0.20	0.038
106-99-0	1,3-Butadiene	54.09	7.05		0.20	0.042
74-83-9	Bromomethane	94.94	8.27		0.20	0.028
75-00-3	Chloroethane	64.52	8.83		0.50	0.030
593-60-2	Bromoethene(Vinyl Bromide)	106.96	9.93		0.20	0.030
75-69-4	Trichlorofluoromethane	137.37	9.56		0.20	0.030
76-13-1	Freon TF	187.38	10.0		0.20	0.018
75-35-4	1,1-Dichloroethene	96.94	9.84		0.20	0.024
67-64-1	Acetone	58.08	8.05		5.0	1.3
67-63-0	Isopropyl alcohol	60.10	7.45		5.0	0.22
75-15-0	Carbon disulfide	76.14	10.4		0.50	0.066
107-05-1	3-Chloropropene	76.53	7.00		0.50	0.034
75-09-2	Methylene Chloride	84.93	8.07		0.50	0.13
75-65-0	tert-Butyl alcohol	74.12	9.18		5.0	0.33
1634-04-4	Methyl tert-butyl ether	88.15	9.32		0.20	0.022
156-60-5	trans-1,2-Dichloroethene	96.94	9.28		0.20	0.029
110-54-3	n-Hexane	86.17	8.51		0.20	0.034
75-34-3	1,1-Dichloroethane	98.96	9.04		0.20	0.038
78-93-3	Methyl Ethyl Ketone	72.11	8.83		0.50	0.24
156-59-2	cis-1,2-Dichloroethene	96.94	9.75		0.20	0.038
540-59-0	1,2-Dichloroethene, Total	96.94	19.0		0.20	0.064
67-66-3	Chloroform	119.38	9.66		0.20	0.025
109-99-9	Tetrahydrofuran	72.11	8.13		5.0	0.046
71-55-6	1,1,1-Trichloroethane	133.41	9.92		0.20	0.021
110-82-7	Cyclohexane	84.16	9.74		0.20	0.025
56-23-5	Carbon tetrachloride	153.81	10.5		0.20	0.021
540-84-1	2,2,4-Trimethylpentane	114.23	8.70		0.20	0.027
71-43-2	Benzene	78.11	9.62		0.20	0.019
107-06-2	1,2-Dichloroethane	98.96	8.92		0.20	0.017

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

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 200-75517/3

Matrix: Air Lab File ID: 8801_003.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 07/31/2014 12:15

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75517 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
142-82-5	n-Heptane	100.21	7.33		0.20	0.046
79-01-6	Trichloroethene	131.39	9.86		0.20	0.024
80-62-6	Methyl methacrylate	100.12	9.63		0.50	0.030
78-87-5	1,2-Dichloropropane	112.99	8.94		0.20	0.032
123-91-1	1,4-Dioxane	88.11	9.61		5.0	0.20
75-27-4	Bromodichloromethane	163.83	9.93		0.20	0.017
10061-01-5	cis-1,3-Dichloropropene	110.97	9.93		0.20	0.028
108-10-1	methyl isobutyl ketone	100.16	8.23		0.50	0.027
108-88-3	Toluene	92.14	9.31		0.20	0.017
10061-02-6	trans-1,3-Dichloropropene	110.97	10.1		0.20	0.022
79-00-5	1,1,2-Trichloroethane	133.41	9.97		0.20	0.017
127-18-4	Tetrachloroethene	165.83	10.6		0.20	0.016
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	8.21		0.50	0.20
124-48-1	Dibromochloromethane	208.29	10.7		0.20	0.020
106-93-4	1,2-Dibromoethane	187.87	10.7		0.20	0.020
108-90-7	Chlorobenzene	112.56	10.4		0.20	0.0081
100-41-4	Ethylbenzene	106.17	10.2		0.20	0.013
179601-23-1	m,p-Xylene	106.17	20.8		0.50	0.023
95-47-6	Xylene, o-	106.17	10.2		0.20	0.016
1330-20-7	Xylene (total)	106.17	31.0		0.20	0.034
100-42-5	Styrene	104.15	10.8		0.20	0.018
75-25-2	Bromoform	252.75	11.6		0.20	0.010
98-82-8	Cumene	120.19	10.5		0.20	0.016
79-34-5	1,1,2,2-Tetrachloroethane	167.85	10.5		0.20	0.016
103-65-1	n-Propylbenzene	120.19	10.7		0.20	0.080
622-96-8	4-Ethyltoluene	120.20	11.1		0.20	0.018
108-67-8	1,3,5-Trimethylbenzene	120.20	10.7		0.20	0.012
95-49-8	2-Chlorotoluene	126.59	10.4		0.20	0.013
98-06-6	tert-Butylbenzene	134.22	10.8		0.20	0.017
95-63-6	1,2,4-Trimethylbenzene	120.20	10.7		0.20	0.014
135-98-8	sec-Butylbenzene	134.22	10.8		0.20	0.080
99-87-6	4-Isopropyltoluene	134.22	11.1		0.20	0.080
541-73-1	1,3-Dichlorobenzene	147.00	11.4		0.20	0.014
106-46-7	1,4-Dichlorobenzene	147.00	11.5		0.20	0.014

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

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 200-75517/3

Matrix: Air Lab File ID: 8801_003.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 07/31/2014 12:15

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 75517 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	9.59		0.20	0.080
104-51-8	n-Butylbenzene	134.22	10.7		0.20	0.080
95-50-1	1,2-Dichlorobenzene	147.00	11.1		0.20	0.014
120-82-1	1,2,4-Trichlorobenzene	181.45	9.98		0.50	0.027
87-68-3	Hexachlorobutadiene	260.76	10.2		0.20	0.022
91-20-3	Naphthalene	128.17	8.65		0.50	0.20

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140731-8801.b\8801_003.d
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 31-Jul-2014 12:15:30 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0008801.-003
Misc. Info.: LCS
Operator ID: BPL Instrument ID: CHW.i

Method: \\BTV-LIMS1\ChromData\CHW.i\20140731-8801.b\TO15_LLNJ_TO3_W_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 01-Aug-2014 10:24:27 Calib Date: 15-Jun-2014 00:33:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20140613-8058.b\8058_017.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK037

First Level Reviewer: lyonsb Date: 31-Jul-2014 13:02:34

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	4.387	4.397	-0.010	99	215613	10.0	7.24	
2 Dichlorodifluoromethane	85	4.478	4.488	-0.010	88	1137979	10.0	9.61	
6 Chlorodifluoromethane	51	4.547	4.552	-0.005	54	492382	10.0	8.31	
7 1,2-Dichloro-1,1,2,2-tetra	85	4.831	4.841	-0.010	88	1264629	10.0	10.7	
8 Chloromethane	50	5.029	5.034	-0.005	88	272811	10.0	7.78	
9 Butane	43	5.285	5.296	-0.011	98	420033	10.0	7.23	
10 Vinyl chloride	62	5.350	5.355	-0.005	79	339368	10.0	7.80	
11 Butadiene	54	5.440	5.451	-0.011	90	218203	10.0	7.05	
13 BFB									
12 Bromomethane	94	6.307	6.318	-0.011	99	361887	10.0	8.27	
14 Chloroethane	64	6.596	6.601	-0.005	94	217030	10.0	8.83	
15 2-Methylbutane	43	6.682	6.687	-0.005	90	374835	10.0	8.14	
16 Vinyl bromide	106	7.072	7.077	-0.005	88	531807	10.0	9.93	
17 Trichlorofluoromethane	101	7.184	7.195	-0.011	86	1250230	10.0	9.56	
18 Pentane	43	7.350	7.356	-0.006	96	571537	10.0	8.64	
19 Ethanol	45	7.794	7.805	-0.011	99	181882	15.0	10.8	
21 Ethyl ether	59	7.933	7.939	-0.006	91	284860	10.0	9.62	
22 Acrolein	56	8.399	8.404	-0.005	50	119199	10.0	9.46	
23 1,1,2-Trichloro-1,2,2-trif	101	8.431	8.442	-0.011	91	1006810	10.0	10.0	
24 1,1-Dichloroethene	96	8.506	8.516	-0.010	81	483306	10.0	9.84	
25 Acetone	43	8.736	8.746	-0.010	90	497880	10.0	8.05	
26 Carbon disulfide	76	8.993	9.003	-0.010	98	1268425	10.0	10.4	
27 Isopropyl alcohol	45	9.019	9.030	-0.011	67	388731	10.0	7.45	
29 3-Chloro-1-propene	41	9.394	9.399	-0.005	87	329832	10.0	7.00	
30 Acetonitrile	41	9.522	9.528	-0.006	99	222150	10.0	8.42	
31 Methylene Chloride	49	9.726	9.731	-0.005	75	342552	10.0	8.07	
32 2-Methyl-2-propanol	59	9.891	9.902	-0.011	99	691327	10.0	9.18	
33 Methyl tert-butyl ether	73	10.148	10.153	-0.005	95	1224170	10.0	9.32	
S 41 1,2-Dichloroethene, Total	61				0		20.0	19.0	
34 trans-1,2-Dichloroethene	61	10.223	10.228	-0.005	75	547245	10.0	9.28	
35 Acrylonitrile	53	10.368	10.373	-0.005	95	255205	10.0	8.90	

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	10.635	10.640	-0.005	86	607623	10.0	8.51	
37 1,1-Dichloroethane	63	11.186	11.191	-0.005	94	705003	10.0	9.04	
38 Vinyl acetate	43	11.218	11.223	-0.005	99	750663	10.0	7.86	
39 cis-1,2-Dichloroethene	96	12.358	12.368	-0.010	87	538705	10.0	9.75	
40 2-Butanone (MEK)	72	12.368	12.374	-0.006	100	230534	10.0	8.83	
42 Ethyl acetate	88	12.390	12.400	-0.010	97	46633	10.0	10.6	
44 Tetrahydrofuran	42	12.839	12.839	0.000	81	336675	10.0	8.13	
* 43 Chlorobromomethane	128	12.839	12.844	-0.005	61	405137	10.0	10.0	
45 Chloroform	83	12.957	12.957	0.000	85	931708	10.0	9.66	
46 Cyclohexane	84	13.251	13.256	-0.005	75	704917	10.0	9.74	
47 1,1,1-Trichloroethane	97	13.262	13.267	-0.005	92	1023136	10.0	9.92	
48 Carbon tetrachloride	117	13.519	13.524	-0.005	88	1183229	10.0	10.5	
51 Isooctane	57	13.904	13.909	-0.005	99	1886634	10.0	8.70	
50 Benzene	78	13.968	13.973	-0.005	92	1474573	10.0	9.62	
52 1,2-Dichloroethane	62	14.128	14.128	0.000	91	504852	10.0	8.92	
53 n-Heptane	43	14.257	14.262	-0.005	82	573800	10.0	7.33	
* 54 1,4-Difluorobenzene	114	14.728	14.727	0.001	91	1952934	10.0	10.0	
A 57 GRO	1	14.762	(6.677-22.848)		0	178494478	10.0	0	
55 n-Butanol	56	15.006	15.011	-0.005	81	200118	10.0	8.16	
56 Trichloroethene	95	15.193	15.193	0.000	87	707876	10.0	9.86	
58 1,2-Dichloropropane	63	15.712	15.712	0.000	87	470044	10.0	8.94	
59 Methyl methacrylate	69	15.792	15.797	-0.005	72	499064	10.0	9.63	
60 1,4-Dioxane	88	15.883	15.888	-0.005	69	254206	10.0	9.61	
61 Dibromomethane	174	15.958	15.958	0.000	86	910241	10.0	10.7	
62 Dichlorobromomethane	83	16.204	16.204	0.000	94	1014425	10.0	9.93	
A 63 TVOC as Toluene	92	16.621	(4.387-28.855)		0	320905133	10.0	2312.3	
64 cis-1,3-Dichloropropene	75	17.065	17.065	0.000	81	782038	10.0	9.93	
65 4-Methyl-2-pentanone (MIBK	43	17.295	17.295	0.000	90	741425	10.0	8.23	
A 68 C8 Range	1	17.632	(17.582-17.682)		0	7912204	NC	NC	
69 n-Octane	43	17.632	17.632	0.000	70	773407	10.0	7.68	
66 Toluene	92	17.638	17.643	-0.005	93	1181692	10.0	9.31	
A 67 Toluene Range	92	17.643	(17.603-17.683)		0	7912204	10.0	62.3	E
70 trans-1,3-Dichloropropene	75	18.173	18.173	0.000	89	789592	10.0	10.1	
71 1,1,2-Trichloroethane	83	18.537	18.542	-0.005	91	545480	10.0	9.97	
72 Tetrachloroethene	166	18.676	18.681	-0.005	88	1399757	10.0	10.6	
73 2-Hexanone	43	18.922	18.922	0.000	90	706576	10.0	8.21	
74 Chlorodibromomethane	129	19.296	19.296	0.000	96	1352942	10.0	10.7	
75 Ethylene Dibromide	107	19.580	19.580	0.000	99	1140679	10.0	10.7	
S 82 Xylenes, Total	106				0		30.0	30.9	
* 76 Chlorobenzene-d5	117	20.425	20.425	0.000	77	1786194	10.0	10.0	
77 Chlorobenzene	112	20.479	20.478	0.000	94	1831214	10.0	10.4	
78 Ethylbenzene	91	20.591	20.591	0.000	95	2580072	10.0	10.2	
79 n-Nonane	57	20.650	20.650	0.000	80	919683	10.0	8.57	
80 m-Xylene & p-Xylene	106	20.810	20.810	0.000	97	2241339	20.0	20.8	
83 o-Xylene	106	21.527	21.522	0.005	96	1120390	10.0	10.2	
84 Styrene	104	21.564	21.564	0.000	98	1728719	10.0	10.8	
85 Bromoform	173	21.944	21.944	0.000	99	1569055	10.0	11.6	
86 Isopropylbenzene	105	22.089	22.089	0.000	93	3147859	10.0	10.5	
$ 87 4-Bromofluorobenzene	95	22.426	22.426	0.000	96	1124283	NC	NC	
88 1,1,2,2-Tetrachloroethane	83	22.650	22.650	0.000	89	1451340	10.0	10.5	
90 N-Propylbenzene	91	22.725	22.725	0.000	96	3579163	10.0	10.7	
89 1,2,3-Trichloropropane	75	22.752	22.752	0.000	83	1054612	10.0	9.87	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
93 n-Decane	57	22.838	22.838	0.000	79	1226408	10.0	9.36	
91 4-Ethyltoluene	105	22.891	22.891	0.000	84	3325439	10.0	11.1	
92 2-Chlorotoluene	91	22.929	22.923	0.006	85	2535725	10.0	10.4	
94 1,3,5-Trimethylbenzene	105	22.982	22.982	0.000	80	2732490	10.0	10.7	
95 Alpha Methyl Styrene	118	23.335	23.330	0.005	90	1553714	10.0	12.0	
96 tert-Butylbenzene	119	23.458	23.458	0.000	93	2839060	10.0	10.8	
97 1,2,4-Trimethylbenzene	105	23.549	23.549	0.000	93	2755689	10.0	10.7	
98 sec-Butylbenzene	105	23.790	23.785	0.005	98	3980291	10.0	10.8	
99 4-Isopropyltoluene	119	23.988	23.988	0.000	83	3613355	10.0	11.1	
100 1,3-Dichlorobenzene	146	24.063	24.063	0.000	98	2265758	10.0	11.4	
101 1,4-Dichlorobenzene	146	24.207	24.207	0.000	97	2234688	10.0	11.5	
102 Benzyl chloride	91	24.416	24.416	0.000	99	1560666	10.0	9.59	
104 Undecane	57	24.603	24.603	0.000	89	1357813	10.0	10.2	
103 n-Butylbenzene	91	24.625	24.624	0.001	96	2813744	10.0	10.7	
105 1,2-Dichlorobenzene	146	24.812	24.812	0.000	99	2155845	10.0	11.1	
106 Dodecane	57	26.401	26.401	0.000	90	1300801	10.0	10.8	
107 1,2,4-Trichlorobenzene	180	27.695	27.695	0.000	89	1571424	10.0	9.98	
108 Hexachlorobutadiene	225	27.893	27.893	0.000	94	1679746	10.0	10.2	
109 Naphthalene	128	28.278	28.278	0.000	99	2615508	10.0	8.65	
110 1,2,3-Trichlorobenzene	180	28.845	28.845	0.000	94	1448748	10.0	10.1	

QC Flag Legend

Processing Flags
NC - Not Calibrated
E - Exceeded Maximum Amount

Reagents:

ATTO15LCSW_00389	Amount Added: 200.00	Units: mL	
ATTO15WISs_00003	Amount Added: 20.00	Units: mL	Run Reagent

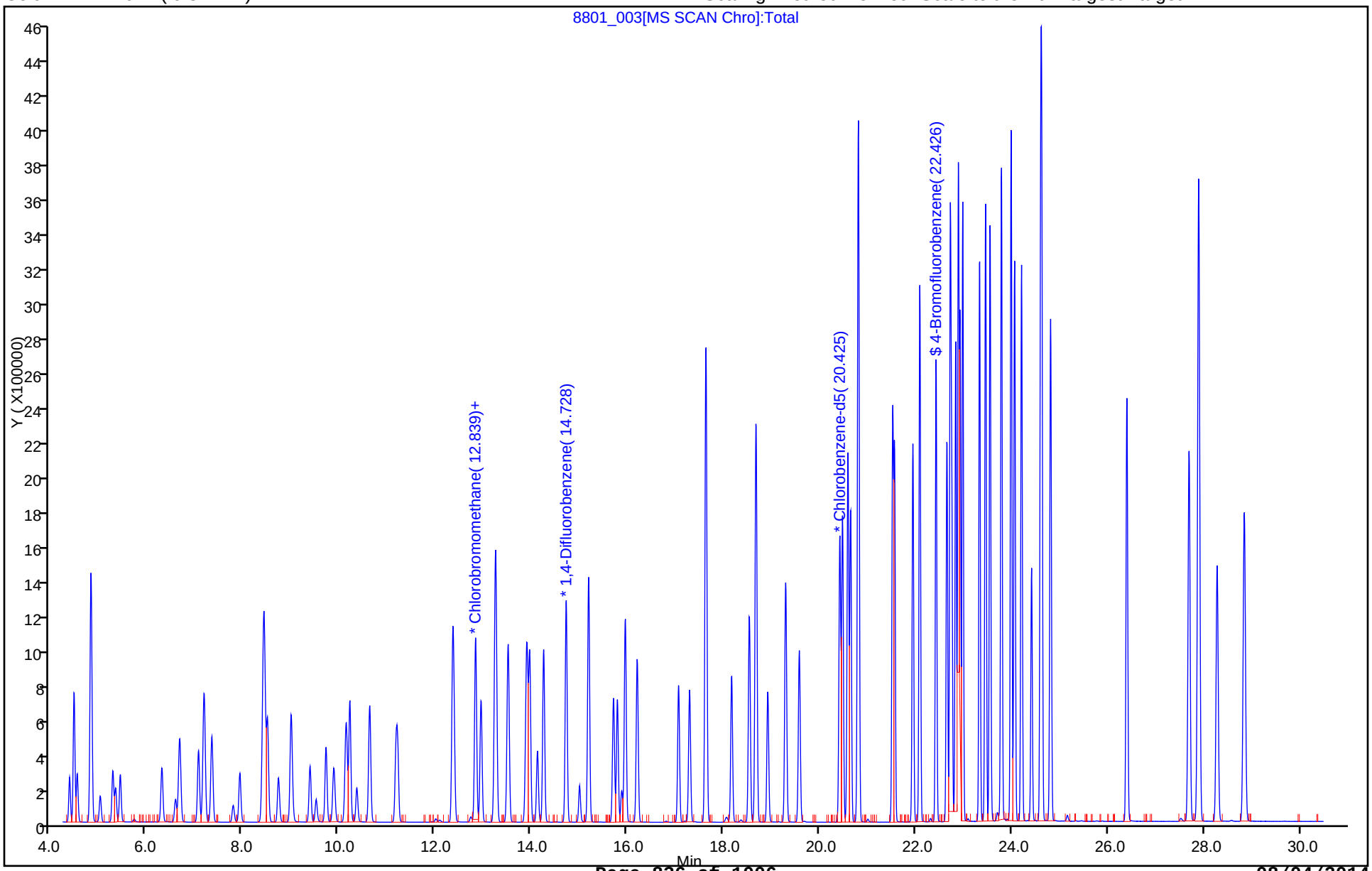
Report Date: 01-Aug-2014 10:24:29 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140731-8801.b\8801_003.d

Injection Date:	31-Jul-2014 12:15:30	Instrument ID:	CHW.i	Operator ID:	BPL
Lims ID:	LCS			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



AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Instrument ID: CHC.i Start Date: 07/17/2014 11:15

Analysis Batch Number: 75021 End Date: 07/18/2014 10:29

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-75021/1		07/17/2014 11:15	1	8605_001.D	RTX-624 0.32(mm)
VIBLK 200-75021/2		07/17/2014 12:02	1		RTX-624 0.32(mm)
IC 200-75021/3		07/17/2014 12:55	1	8605_003.D	RTX-624 0.32(mm)
IC 200-75021/4		07/17/2014 13:48	1	8605_004.D	RTX-624 0.32(mm)
ZZZZZ		07/17/2014 14:42	1		RTX-624 0.32(mm)
IC 200-75021/6		07/17/2014 15:35	1	8605_006.D	RTX-624 0.32(mm)
ICIS 200-75021/7		07/17/2014 16:28	1	8605_007.D	RTX-624 0.32(mm)
IC 200-75021/8		07/17/2014 17:21	1	8605_008.D	RTX-624 0.32(mm)
IC 200-75021/9		07/17/2014 18:14	1	8605_009.D	RTX-624 0.32(mm)
IC 200-75021/10		07/17/2014 19:07	1	8605_010.D	RTX-624 0.32(mm)
VIBLK 200-75021/11		07/17/2014 20:00	1		RTX-624 0.32(mm)
VIBLK 200-75021/12		07/17/2014 20:53	1		RTX-624 0.32(mm)
ZZZZZ		07/17/2014 21:46	1		RTX-624 0.32(mm)
VIBLK 200-75021/14		07/17/2014 22:39	1		RTX-624 0.32(mm)
ZZZZZ		07/17/2014 23:33	1		RTX-624 0.32(mm)
VIBLK 200-75021/16		07/18/2014 00:26	1		RTX-624 0.32(mm)
IC 200-75021/18		07/18/2014 09:36	1	8605_018.D	RTX-624 0.32(mm)
ICV 200-75021/19		07/18/2014 10:29	1	8605_019.D	RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Instrument ID: CHC.i Start Date: 07/23/2014 08:42

Analysis Batch Number: 75211 End Date: 07/24/2014 03:20

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-75211/1		07/23/2014 08:42	1	8677_001.D	RTX-624 0.32(mm)
CCVIS 200-75211/2		07/23/2014 09:29	1	8677_002.D	RTX-624 0.32(mm)
LCS 200-75211/3		07/23/2014 10:22	1	8677_003.D	RTX-624 0.32(mm)
MB 200-75211/4		07/23/2014 11:15	1	8677_004.D	RTX-624 0.32(mm)
ZZZZZ		07/23/2014 12:14	0.2		RTX-624 0.32(mm)
ZZZZZ		07/23/2014 13:07	10		RTX-624 0.32(mm)
ZZZZZ		07/23/2014 14:01	1		RTX-624 0.32(mm)
ZZZZZ		07/23/2014 14:54	1		RTX-624 0.32(mm)
ZZZZZ		07/23/2014 15:47	1		RTX-624 0.32(mm)
ZZZZZ		07/23/2014 16:41	1		RTX-624 0.32(mm)
ZZZZZ		07/23/2014 17:34	1		RTX-624 0.32(mm)
ZZZZZ		07/23/2014 18:27	1		RTX-624 0.32(mm)
ZZZZZ		07/23/2014 19:21	1		RTX-624 0.32(mm)
280-58003-9	774776OA1LA	07/23/2014 20:14	1	8677_016.D	RTX-624 0.32(mm)
280-58003-10	776IA1LA	07/23/2014 21:08	1	8677_017.D	RTX-624 0.32(mm)
ZZZZZ		07/23/2014 22:01	1		RTX-624 0.32(mm)
ZZZZZ		07/23/2014 22:54	1		RTX-624 0.32(mm)
ZZZZZ		07/23/2014 23:48	19.8		RTX-624 0.32(mm)
ZZZZZ		07/24/2014 00:41	4		RTX-624 0.32(mm)
ZZZZZ		07/24/2014 01:34	4		RTX-624 0.32(mm)
ZZZZZ		07/24/2014 02:27	24.2		RTX-624 0.32(mm)
ZZZZZ		07/24/2014 03:20	1		RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Instrument ID: CHW.i Start Date: 06/14/2014 06:27

Analysis Batch Number: 73568 End Date: 06/15/2014 03:49

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-73568/1		06/14/2014 06:27	1	8058_001.d	RTX-624 0.32(mm)
VIBLK 200-73568/2		06/14/2014 07:17	1		RTX-624 0.32(mm)
ZZZZZ		06/14/2014 08:06	1		RTX-624 0.32(mm)
ZZZZZ		06/14/2014 08:56	1		RTX-624 0.32(mm)
IC 200-73568/5		06/14/2014 09:46	1	8058_005.d	RTX-624 0.32(mm)
IC 200-73568/6		06/14/2014 10:36	1	8058_006.d	RTX-624 0.32(mm)
ICIS 200-73568/7		06/14/2014 11:26	1	8058_007.d	RTX-624 0.32(mm)
IC 200-73568/8		06/14/2014 12:16	1	8058_008.d	RTX-624 0.32(mm)
IC 200-73568/9		06/14/2014 13:06	1	8058_009.d	RTX-624 0.32(mm)
IC 200-73568/10		06/14/2014 13:56	1	8058_010.d	RTX-624 0.32(mm)
VIBLK 200-73568/11		06/14/2014 14:44	1		RTX-624 0.32(mm)
VIBLK 200-73568/12		06/14/2014 15:34	1		RTX-624 0.32(mm)
ICV 200-73568/13		06/14/2014 16:24	1		RTX-624 0.32(mm)
ZZZZZ		06/14/2014 17:15	1		RTX-624 0.32(mm)
VIBLK 200-73568/15		06/14/2014 18:05	1		RTX-624 0.32(mm)
IC 200-73568/16		06/14/2014 23:41	1	8058_016.d	RTX-624 0.32(mm)
IC 200-73568/17		06/15/2014 00:33	1	8058_017.d	RTX-624 0.32(mm)
VIBLK 200-73568/18		06/15/2014 01:21	1		RTX-624 0.32(mm)
ICV 200-73568/19		06/15/2014 02:11	1	8058_019.d	RTX-624 0.32(mm)
ZZZZZ		06/15/2014 03:00	1		RTX-624 0.32(mm)
VIBLK 200-73568/21		06/15/2014 03:49	1		RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Instrument ID: CHW.i Start Date: 07/24/2014 09:40

Analysis Batch Number: 75271 End Date: 07/25/2014 09:21

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-75271/1		07/24/2014 09:40	1	8696_001.d	RTX-624 0.32(mm)
CCVIS 200-75271/2		07/24/2014 10:39	1	8696_002.d	RTX-624 0.32(mm)
LCS 200-75271/3		07/24/2014 11:27	1	8696_003.d	RTX-624 0.32(mm)
MB 200-75271/4		07/24/2014 12:17	1	8696_004.d	RTX-624 0.32(mm)
ZZZZZ		07/24/2014 13:27	0.2		RTX-624 0.32(mm)
ZZZZZ		07/24/2014 14:18	1		RTX-624 0.32(mm)
ZZZZZ		07/24/2014 15:08	1		RTX-624 0.32(mm)
ZZZZZ		07/24/2014 15:59	1		RTX-624 0.32(mm)
ZZZZZ		07/24/2014 16:49	1		RTX-624 0.32(mm)
ZZZZZ		07/24/2014 17:39	1		RTX-624 0.32(mm)
ZZZZZ		07/24/2014 18:29	1		RTX-624 0.32(mm)
ZZZZZ		07/24/2014 19:19	1		RTX-624 0.32(mm)
280-58003-8	774IA1LA	07/24/2014 20:08	2.5	8696_013.d	RTX-624 0.32(mm)
280-58003-11	774776CA01KA	07/24/2014 20:56	5	8696_014.d	RTX-624 0.32(mm)
ZZZZZ		07/24/2014 21:45	35.7		RTX-624 0.32(mm)
ZZZZZ		07/24/2014 22:33	179		RTX-624 0.32(mm)
ZZZZZ		07/24/2014 23:23	48.4		RTX-624 0.32(mm)
ZZZZZ		07/25/2014 00:11	242		RTX-624 0.32(mm)
ZZZZZ		07/25/2014 01:00	47.7		RTX-624 0.32(mm)
ZZZZZ		07/25/2014 01:48	239		RTX-624 0.32(mm)
ZZZZZ		07/25/2014 02:37	6.66		RTX-624 0.32(mm)
ZZZZZ		07/25/2014 03:25	4440		RTX-624 0.32(mm)
ZZZZZ		07/25/2014 04:13	39.4		RTX-624 0.32(mm)
ZZZZZ		07/25/2014 05:19	0.2		RTX-624 0.32(mm)
ZZZZZ		07/25/2014 06:10	1		RTX-624 0.32(mm)
ZZZZZ		07/25/2014 09:21	0.2		RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 280-58003-1

SDG No.:

Instrument ID: CHW.i Start Date: 07/31/2014 10:25

Analysis Batch Number: 75517 End Date: 08/01/2014 09:17

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-75517/1		07/31/2014 10:25	1	8801_001.d	RTX-624 0.32(mm)
CCVIS 200-75517/2		07/31/2014 11:23	1	8801_002.d	RTX-624 0.32(mm)
LCS 200-75517/3		07/31/2014 12:15	1	8801_003.d	RTX-624 0.32(mm)
CCVL 200-75517/4		07/31/2014 13:04	1		RTX-624 0.32(mm)
ZZZZZ		07/31/2014 14:42	1		RTX-624 0.32(mm)
MB 200-75517/6		07/31/2014 15:31	1	8801_006.d	RTX-624 0.32(mm)
ZZZZZ		07/31/2014 16:21	1		RTX-624 0.32(mm)
280-58003-1	774VMP0101KA	07/31/2014 17:09	14.1	8801_008.d	RTX-624 0.32(mm)
280-58003-2	774VMP0201KA	07/31/2014 17:58	18.3	8801_009.d	RTX-624 0.32(mm)
280-58003-3	774VMP0301KA	07/31/2014 18:46	41	8801_010.d	RTX-624 0.32(mm)
280-58003-4	776VMP0201KC	07/31/2014 19:34	2	8801_011.d	RTX-624 0.32(mm)
280-58003-5	776VMP0101KA	07/31/2014 20:23	1.6	8801_012.d	RTX-624 0.32(mm)
280-58003-6	776VMP0201KA	07/31/2014 21:11	2	8801_013.d	RTX-624 0.32(mm)
280-58003-7	776VMP0301KA	07/31/2014 22:02	1	8801_014.d	RTX-624 0.32(mm)
ZZZZZ		07/31/2014 22:52	1		RTX-624 0.32(mm)
ZZZZZ		07/31/2014 23:41	1		RTX-624 0.32(mm)
ZZZZZ		08/01/2014 00:33	1		RTX-624 0.32(mm)
ZZZZZ		08/01/2014 01:23	1		RTX-624 0.32(mm)
ZZZZZ		08/01/2014 02:13	1		RTX-624 0.32(mm)
ZZZZZ		08/01/2014 03:04	1		RTX-624 0.32(mm)
ZZZZZ		08/01/2014 03:52	84.2		RTX-624 0.32(mm)
ZZZZZ		08/01/2014 04:40	85		RTX-624 0.32(mm)
ZZZZZ		08/01/2014 05:29	18.1		RTX-624 0.32(mm)
ZZZZZ		08/01/2014 08:29	221		RTX-624 0.32(mm)
ZZZZZ		08/01/2014 09:17	10		RTX-624 0.32(mm)

Post-Sampling Air Canister Pressure Check Record

Client ID	TALS Job	Date	Time (Military)	Lab BP ("Hg)	Lab Temp (°C)	Pressure Gague ID	Analyst
Griffis AFB	280-58003	7/23/14	0550	29.6	22	G-9	S

Sampling Information and Return Equipment Check	Yes	No	Comments
(1) Is a Field Test Data Sheet (FTDS) or similar sampling documentation present?	/		
(2) Is the flow controller ID used for each canister recorded?	/		
(3) MA MCP: Check return flow rate for flow controllers	N	A	
(4) Is visible sign of damage to canister and/or flow controller (FC) present?		/	
If damage observed, list equipment IDs and describe condition:			

Post-Sampling Return Pressure Check

Lab ID	Canister ID	Pressure[1] ("Hg)	Anomaly[2] (Y/N)	FC ID[3]	FC Return (Y/N)	Can Cert Batch ID	Comments
1	2679	-4.7	N	5596	Y	4324 8499	
2	3338	-2.3		5820		2573 8501	
3	5719	-2.2		5818		"	
4	4378	-4.7		5817		4324 8499	
5	5022	-2.8		5821		"	
6	3243	-5.0		5822		2573 8501	
7	5731	-2.5		5816		4324 8499	
8	5420	-11.5	Y	5188		4820 8512	
9	5129	-7.7	N	5200		5129 8499	
10	3010	-8.6		5187		2573 8501	
11	5619	0.0		5585		"	Vac gauge

SML 7/23/14

[1] Criteria: Return Pressure should be between -1 and -10 ("Hg)

[2] If return pressure is not within criteria, initiate anomaly report.

[3] Record the ID of the FC used for sampling if information is provided, otherwise leave blank.

Internal Use Only: Flow Controller Date and Page # 59/p78, 79, 81, 82

200-23084-A-7
2573
Location: Air-Storage
Bottle: Summa Canister 6L
Sampled: 7/3/2014 12:00 AM 200-676500

Loc: 200
23084
#7
A

Pre-Shipment Clean Canister Certification Repor

Certification Type: ☐ Batch ☐ Individual

Canister Cleaning & Pre-Shipment Leak Test

System ID	# Cycles	Cleaning Date	Technician	Canister Size		
Bottom TOP 7/8/14 Reclean	25	7/3/14	ME	(6L)	1L	3L

Port	Can ID	Leak Test: Initial[1] ("Hg)	Final ("Hg)	Adjusted Initial[2] ("Hg)	Difference[3]
1	4292	-30.0	-30.0	-30.4	+0.4
2	5719		-30.3		+0.1
3	3243		-30.0		+0.4
4	5033		-30.3		+0.1
5	5619		-30.3		+0.1
6	4545		LEAKS		
7	2573			LEAKS	
8	3338		-30.3		+0.1
9	5714		LEAKS		
10	3510		-30.3		+0.1
11	4791		-30.2		+0.2
12	5029		LEAKS		

Initial Reading			Final Reading		
Gauge ID:	613	G13	Gauge ID:	613	
Date:	7/5/14	7/8/14	Date:	7/12/14	7/15/14
Time:	950	0945	Time:	1315	1345
Tech:	ME	VS	Tech:	ME	
BP:	29.8	29.5 ("Hg)	BP:	29.9	29.5 ("Hg)
Temp	22	22 (°C)	Temp:	22	22 (°C)

[3]Acceptance Criteria:
(1) The difference must be less than or equal to + 0.5
(2) Pressure readings must be at least 24 hours apart.
If time frame was not met, the PM must authorize shipment of canister:
PM Authorization:

Signature Date

[1] Batch Certification: The reading is taken on the "batch" canister and this value is used as the initial pressure for all canisters in the batch.

[2] To calculate Adjusted Initial Pressure, subtract Final BP from Initial BP and add the result (positive or negative) to the initial pressure reading.

[3] To calculate Difference, subtract the Adjusted Initial Pressure from the Final Pressure (See Acceptance Criteria)

Clean Canister Certification Analysis & Authorization of Release to Inventory

Test Method: ☐TO15 Routine ☐ TO15 LL ☐ NJDEP-LL TO15

Can ID	Date	Sequence	Analyst	Inventory Level 1	2	3	4	Limited	Secondary Review: Review Date	Reviewer
2573	7/11/14	8501	PAD		✓				7/11/14	ANL

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:

BR-FAI023:10.19.09:7
TestAmerica

200-23111-A-11
4324
Location: Air-Storage
Bottle: Summa Canister 6L
Sampled: 7/8/2014 12:00 AM 200-677032

Loc: 200
23111
#11
A

Pre-Shipment Clean Canister Certification Rep

Certification Type: ☒ Batch ☐ Individual

Canister Cleaning & Pre-Shipment Leak Test												
System ID			# Cycles		Cleaning Date		Technician		Canister Size			
Oven 3/4			20		7/8/14		MT		(6L)	1L	3L	
		Leak Test										
Port	Can ID	Initial[1] ("Hg)	Final ("Hg)	Adjusted Initial[2] ("Hg)	Difference[3]	Initial Reading		Final Reading				
1	5047	-30.2	-30.3	-30.6	+0.3	Gauge ID:	A/3	Gauge ID:	G13	G13		
2	2679		-30.2		+0.4	Date:	7/9/14	Date:	7/12/14	7/15/14		
3	5725		-30.4		+0.2	Time:	1045	Time:	1210	1330		
4	5731		-30.1		+0.5	Tech:	VS	Tech:	MS	(R)		
5	5133		LEAKS			BP:	29.5 ("Hg)	BP:	29.9	29.5	("Hg)	
6	5637		-29.7	-30.2	+0.5	Temp	22 (℃)	Temp:	22	22	(℃)	
7	5409		LEAKS			[3]Acceptance Criteria:						
8	4356		-29.7	-30.2	+0.5	(1) The difference must be less than or equal to + 0.5						
9	5630		-30.4		+0.2	(2) Pressure readings must be at least 24 hours apart.						
10	5022		-30.4		+0.2	If time frame was not met, the PM must authorize shipment of canister:						
11	4324		LEAKS			*PM Authorization:*						
12	4378	↓	-30.3	↓	+0.3	Signature		Date				

[1] Batch Certification: The reading is taken on the "batch" canister and this value is used as the initial pressure for all canisters in the batch.

[2] To calculate Adjusted Initial Pressure, subtract Final BP from Initial BP and add the result (positive or negative) to the initial pressure reading.

[3] To calculate Difference, subtract the Adjusted Initial Pressure from the Final Pressure (See Acceptance Criteria)

Clean Canister Certification Analysis & Authorization of Release to Inventory											
Test Method: ☐TO15 Routine ☐ TO15 LL ☐ NJDEP-LL TO15				Inventory Level					Secondary Review		
Can ID	Date	Sequence	Analyst	1	2	3	4	Limited	Review Date	Reviewer	
4324	7/10/14	8499	BL		✓				7/11/14	ANI	

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:

BR-FAI023:10.19.09:7
TestAmerica

200-23114-A-12
5129
Location: Air-Storage
Bottle: Summa Canister 6L
Sampled: 7/9/2014 12:00 AM 200-677110

Loc: 200
23114
#12
A

Pre-Shipment Clean Canister Certification Report

Certification Type: ☒ Batch ☐ Individual

Canister Cleaning & Pre-Shipment Leak Test										
System ID		# Cycles		Cleaning Date		Technician		Canister Size		
TOP		20		7/9/14		VS		6L	1L	3L

		Leak Test					
		Initial[1]	Final	Adjusted Initial[2]		Initial Reading	Final Reading
Port	Can ID	("Hg)	("Hg)	("Hg)	Difference[3]	Gauge ID: G13	Gauge ID: 613
1	5708	-30.2	-30.3	-30.3	0	Date: 7/10/14	Date: 7/11/14
2	2706	↓	-30.2	↓	+0.1	Time: 1110	Time: 1200
3	4282	↓	-30.1	↓	+0.2	Tech: VS	Tech: RH
4	5050	↓	-30.3	↓	0	BP: 29.8 ("Hg)	BP: 29.9 ("Hg)
5	2552	↓	-30.2	↓	+0.1	Temp 22 (°C)	Temp: 22 (°C)
6	3263	↓	-30.2	↓	+0.1	[3]Acceptance Criteria:	
7	~~5713~~ 4360	↓	-29.8	↓	+0.5	(1) The difference must be less than or equal to + 0.5	
8	~~4830~~ 5713	↓	-30.3	↓	0	(2) Pressure readings must be at least 24 hours apart.	
9	4830	↓	-29.8	↓	+0.5	If time frame was not met, the PM must authorize shipment of canister:	
10	2952	↓	-30.1	↓	+0.2	*PM Authorization:*	
11	4279	↓	-30.1	↓	+0.2		
12	5129	↓	-30.2	↓	+0.1	Signature	Date

VS 7/9/14

[1] Batch Certification: The reading is taken on the "batch" canister and this value is used as the initial pressure for all canisters in the batch.

[2] To calculate Adjusted Initial Pressure, subtract Final BP from Initial BP and add the result (positive or negative) to the initial pressure reading.

[3] To calculate Difference, subtract the Adjusted Initial Pressure from the Final Pressure (See Acceptance Criteria)

Clean Canister Certification Analysis & Authorization of Release to Inventory										
Test Method: ☐TO15 Routine ☐ TO15 LL ☐ NJDEP-LL TO15				Inventory Level					Secondary Review	
Can ID	Date	Sequence	Analyst	1	2	3	4	Limited	Review Date	Reviewer
5129	7/10/14	8499	WRD		✓				7/11/14	AMJ

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

BR-FAI023:10.19.09:7
TestAmerica

08/04/2014

200-23144-A-2
4820
Location: Air-Storage
Bottle: Summa Canister 6L
Sampled: 7/10/2014 12:00 AM 200-677677

Loc: 200
23144
#2
A

Pre-Shipment Clean Canister Certification Re

Certification Type: ☒ Batch ☐ Individual

Canister Cleaning & Pre-Shipment Leak Test

System ID	# Cycles	Cleaning Date	Technician	Canister Size
TO15	15	7/10/14	MT	6L (1L) 3L

Leak Test

Port	Can ID	Initial[1] ("Hg)	Final ("Hg)	Adjusted Initial[2] ("Hg)	Difference[3]
1	4084	-9	-29.5	-30.0	+0.5
2	4820	-30.0	-29.6	-29.6	0
3	4555		-30.3	-30.0	-0.3
4	5039		-30.2		-0.2
5	4473		-30.3		-0.3
6	5061		-30.1		-0.1
7	5075		-30.3		-0.3
8	4811		-30.3		1
9	5420		-30.2		-0.2
10	2345		-30.3		-0.3
11	4337		-30.4		-0.4
12	4348		-30.3		-0.3

Initial Reading	Final Reading
Gauge ID: 613	Gauge ID: 613
Date: 7/11/14	Date: 7/12/14
Time: 1303	Time: 1345
Tech: MT	Tech: MT
BP: 29.9 ("Hg)	BP: 29.9 ("Hg)
Temp 22 (℃)	Temp: 22 (℃)

[3]Acceptance Criteria:
(1) The difference must be less than or equal to + 0.5
(2) Pressure readings must be at least 24 hours apart.
If time frame was not met, the PM must authorize shipment of canister:
PM Authorization:
Signature Date

[1] Batch Certification: The reading is taken on the "batch" canister and this value is used as the initial pressure for all canisters in the batch.

[2] To calculate Adjusted Initial Pressure, subtract Final BP from Initial BP and add the result (positive or negative) to the initial pressure reading.

[3] To calculate Difference, subtract the Adjusted Initial Pressure from the Final Pressure (See Acceptance Criteria)

Clean Canister Certification Analysis & Authorization of Release to Inventory

Test Method: ☐TO15 Routine ☐ TO15 LL ☐ NJDEP-LL TO15

Can ID	Date	Sequence	Analyst	Inventory Level 1	2	3	4	Limited	Secondary Review Date	Reviewer
4820	7/11/14	8512	WD		✓				7/14/14	ANI

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

BR-FAI023:10.19.09:7
TestAmerica

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

Lab Name: TestAmerica Burlington Job No.: 200-23084-1

SDG No.:

Matrix: Air Level: Low Lab File ID: 8501_003.D

Lab ID: LCS 200-74747/3 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Propylene	10.0	8.61	86	70-130	
Dichlorodifluoromethane	10.0	10.9	109	70-130	
Freon 22	10.0	10.3	103	70-130	
1,2-Dichlorotetrafluoroethane	10.0	11.4	114	70-130	
Chloromethane	10.0	9.25	92	70-130	
n-Butane	10.0	9.16	92	70-130	
Vinyl chloride	10.0	9.06	91	70-130	
1,3-Butadiene	10.0	9.03	90	70-130	
Bromomethane	10.0	10.2	102	70-130	
Chloroethane	10.0	9.69	97	70-130	
Bromoethene(Vinyl Bromide)	10.0	9.91	99	70-130	
Trichlorofluoromethane	10.0	10.4	104	70-130	
Ethanol	15.0	13.4	90	70-130	
Freon TF	10.0	10.2	102	70-130	
1,1-Dichloroethene	10.0	9.75	97	70-130	
Acetone	10.0	9.98	100	70-130	
Isopropyl alcohol	10.0	7.94	79	70-130	
Carbon disulfide	10.0	10.8	108	70-130	
3-Chloropropene	10.0	8.18	82	70-130	
Methylene Chloride	10.0	9.61	96	70-130	
tert-Butyl alcohol	10.0	9.00	90	70-130	
Methyl tert-butyl ether	10.0	10.2	102	70-130	
trans-1,2-Dichloroethene	10.0	10.7	107	70-130	
n-Hexane	10.0	9.82	98	70-130	
1,1-Dichloroethane	10.0	9.45	94	70-130	
Vinyl acetate	10.0	8.82	88	70-130	
Ethyl acetate	10.0	10.5	105	70-130	
Methyl Ethyl Ketone	10.0	9.20	92	70-130	
cis-1,2-Dichloroethene	10.0	9.50	95	70-130	
Chloroform	10.0	10.1	101	70-130	
Tetrahydrofuran	10.0	8.89	89	70-130	
1,1,1-Trichloroethane	10.0	9.94	99	70-130	
Cyclohexane	10.0	9.25	92	70-130	
Carbon tetrachloride	10.0	9.35	94	70-130	
2,2,4-Trimethylpentane	10.0	8.87	89	70-130	
Benzene	10.0	9.14	91	70-130	
1,2-Dichloroethane	10.0	9.93	99	70-130	
n-Heptane	10.0	8.69	87	70-130	
Trichloroethene	10.0	9.56	96	70-130	
Methyl methacrylate	10.0	10.1	101	70-130	
1,2-Dichloropropane	10.0	9.52	95	70-130	
1,4-Dioxane	10.0	9.48	95	70-130	

Column to be used to flag recovery and RPD values

FORM III TO-15

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

Lab Name: TestAmerica Burlington Job No.: 200-23084-1

SDG No.:

Matrix: Air Level: Low Lab File ID: 8501_003.D

Lab ID: LCS 200-74747/3 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Bromodichloromethane	10.0	10.5	105	70-130	
cis-1,3-Dichloropropene	10.0	10.6	106	70-130	
methyl isobutyl ketone	10.0	9.12	91	70-130	
Toluene	10.0	9.82	98	70-130	
trans-1,3-Dichloropropene	10.0	10.9	109	70-130	
1,1,2-Trichloroethane	10.0	9.99	100	70-130	
Tetrachloroethene	10.0	8.62	86	70-130	
Methyl Butyl Ketone (2-Hexanone)	10.0	8.35	84	70-130	
Dibromochloromethane	10.0	9.31	93	70-130	
1,2-Dibromoethane	10.0	10.1	101	70-130	
Chlorobenzene	10.0	9.57	96	70-130	
Ethylbenzene	10.0	9.98	100	70-130	
m,p-Xylene	20.0	19.3	97	70-130	
Xylene, o-	10.0	9.59	96	70-130	
Styrene	10.0	10.1	101	70-130	
Bromoform	10.0	8.97	90	70-130	
Cumene	10.0	9.66	97	70-130	
1,1,2,2-Tetrachloroethane	10.0	10.3	103	70-130	
n-Propylbenzene	10.0	9.99	100	70-130	
4-Ethyltoluene	10.0	9.90	99	70-130	
1,3,5-Trimethylbenzene	10.0	10.1	101	70-130	
2-Chlorotoluene	10.0	9.78	98	70-130	
tert-Butylbenzene	10.0	9.86	99	70-130	
1,2,4-Trimethylbenzene	10.0	10.2	102	70-130	
sec-Butylbenzene	10.0	10.3	103	70-130	
4-Isopropyltoluene	10.0	9.98	100	70-130	
1,3-Dichlorobenzene	10.0	9.82	98	70-130	
1,4-Dichlorobenzene	10.0	9.70	97	70-130	
Benzyl chloride	10.0	9.63	96	70-130	
n-Butylbenzene	10.0	10.6	106	70-130	
1,2-Dichlorobenzene	10.0	9.93	99	70-130	
1,2,4-Trichlorobenzene	10.0	9.60	96	70-130	
Hexachlorobutadiene	10.0	8.81	88	70-130	
Naphthalene	10.0	10.5	105	70-130	

Column to be used to flag recovery and RPD values

FORM III TO-15

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

Lab Name: TestAmerica Burlington Job No.: 200-23111-1

SDG No.:

Matrix: Air Level: Low Lab File ID: 8499_003.d

Lab ID: LCS 200-74743/3 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Propylene	10.0	8.37	84	70-130	
Dichlorodifluoromethane	10.0	9.91	99	70-130	
Freon 22	10.0	9.25	92	70-130	
1,2-Dichlorotetrafluoroethane	10.0	11.0	110	70-130	
Chloromethane	10.0	8.87	89	70-130	
n-Butane	10.0	8.81	88	70-130	
Vinyl chloride	10.0	9.16	92	70-130	
1,3-Butadiene	10.0	8.57	86	70-130	
Bromomethane	10.0	8.74	87	70-130	
Chloroethane	10.0	9.66	97	70-130	
Bromoethene(Vinyl Bromide)	10.0	9.85	99	70-130	
Trichlorofluoromethane	10.0	9.70	97	70-130	
Ethanol	15.0	10.8	72	70-130	
Freon TF	10.0	9.99	100	70-130	
1,1-Dichloroethene	10.0	9.77	98	70-130	
Acetone	10.0	8.71	87	70-130	
Isopropyl alcohol	10.0	7.98	80	70-130	
Carbon disulfide	10.0	10.8	108	70-130	
3-Chloropropene	10.0	8.28	83	70-130	
Methylene Chloride	10.0	9.07	91	70-130	
tert-Butyl alcohol	10.0	9.16	92	70-130	
Methyl tert-butyl ether	10.0	9.68	97	70-130	
trans-1,2-Dichloroethene	10.0	10.0	100	70-130	
n-Hexane	10.0	9.14	91	70-130	
1,1-Dichloroethane	10.0	9.57	96	70-130	
Vinyl acetate	10.0	8.84	88	70-130	
Ethyl acetate	10.0	10.7	107	70-130	
Methyl Ethyl Ketone	10.0	9.03	90	70-130	
cis-1,2-Dichloroethene	10.0	9.70	97	70-130	
Chloroform	10.0	9.80	98	70-130	
Tetrahydrofuran	10.0	9.40	94	70-130	
1,1,1-Trichloroethane	10.0	9.91	99	70-130	
Cyclohexane	10.0	9.93	99	70-130	
Carbon tetrachloride	10.0	10.2	102	70-130	
2,2,4-Trimethylpentane	10.0	9.25	93	70-130	
Benzene	10.0	9.71	97	70-130	
1,2-Dichloroethane	10.0	9.34	93	70-130	
n-Heptane	10.0	8.24	82	70-130	
Trichloroethene	10.0	9.88	99	70-130	
Methyl methacrylate	10.0	10.1	101	70-130	
1,2-Dichloropropane	10.0	9.27	93	70-130	
1,4-Dioxane	10.0	9.05	90	70-130	

Column to be used to flag recovery and RPD values

FORM III TO-15

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

Lab Name: TestAmerica Burlington Job No.: 200-23111-1

SDG No.:

Matrix: Air Level: Low Lab File ID: 8499_003.d

Lab ID: LCS 200-74743/3 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Bromodichloromethane	10.0	9.91	99	70-130	
cis-1,3-Dichloropropene	10.0	10.1	101	70-130	
methyl isobutyl ketone	10.0	9.35	94	70-130	
Toluene	10.0	9.16	92	70-130	
trans-1,3-Dichloropropene	10.0	10.4	104	70-130	
1,1,2-Trichloroethane	10.0	10.0	100	70-130	
Tetrachloroethene	10.0	9.73	97	70-130	
Methyl Butyl Ketone (2-Hexanone)	10.0	9.32	93	70-130	
Dibromochloromethane	10.0	10.3	103	70-130	
1,2-Dibromoethane	10.0	10.3	103	70-130	
Chlorobenzene	10.0	10.1	101	70-130	
Ethylbenzene	10.0	10.1	101	70-130	
m,p-Xylene	20.0	20.5	103	70-130	
Xylene, o-	10.0	10.0	100	70-130	
Styrene	10.0	10.5	105	70-130	
Bromoform	10.0	10.9	109	70-130	
Cumene	10.0	10.4	104	70-130	
1,1,2,2-Tetrachloroethane	10.0	10.5	105	70-130	
n-Propylbenzene	10.0	10.7	107	70-130	
4-Ethyltoluene	10.0	11.0	110	70-130	
1,3,5-Trimethylbenzene	10.0	10.6	106	70-130	
2-Chlorotoluene	10.0	10.4	104	70-130	
tert-Butylbenzene	10.0	10.6	106	70-130	
1,2,4-Trimethylbenzene	10.0	10.7	107	70-130	
sec-Butylbenzene	10.0	10.8	108	70-130	
4-Isopropyltoluene	10.0	11.0	110	70-130	
1,3-Dichlorobenzene	10.0	10.9	109	70-130	
1,4-Dichlorobenzene	10.0	11.0	110	70-130	
Benzyl chloride	10.0	11.2	112	70-130	
n-Butylbenzene	10.0	11.0	110	70-130	
1,2-Dichlorobenzene	10.0	10.7	107	70-130	
1,2,4-Trichlorobenzene	10.0	10.4	104	70-130	
Hexachlorobutadiene	10.0	9.84	98	70-130	
Naphthalene	10.0	10.4	104	70-130	

Column to be used to flag recovery and RPD values

FORM III TO-15

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

Lab Name: TestAmerica Burlington Job No.: 200-23114-1

SDG No.:

Matrix: Air Level: Low Lab File ID: 8499_003.d

Lab ID: LCS 200-74743/3 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Propylene	10.0	8.37	84	70-130	
Dichlorodifluoromethane	10.0	9.91	99	70-130	
Freon 22	10.0	9.25	92	70-130	
1,2-Dichlorotetrafluoroethane	10.0	11.0	110	70-130	
Chloromethane	10.0	8.87	89	70-130	
n-Butane	10.0	8.81	88	70-130	
Vinyl chloride	10.0	9.16	92	70-130	
1,3-Butadiene	10.0	8.57	86	70-130	
Bromomethane	10.0	8.74	87	70-130	
Chloroethane	10.0	9.66	97	70-130	
Bromoethene(Vinyl Bromide)	10.0	9.85	99	70-130	
Trichlorofluoromethane	10.0	9.70	97	70-130	
Ethanol	15.0	10.8	72	70-130	
Freon TF	10.0	9.99	100	70-130	
1,1-Dichloroethene	10.0	9.77	98	70-130	
Acetone	10.0	8.71	87	70-130	
Isopropyl alcohol	10.0	7.98	80	70-130	
Carbon disulfide	10.0	10.8	108	70-130	
3-Chloropropene	10.0	8.28	83	70-130	
Methylene Chloride	10.0	9.07	91	70-130	
tert-Butyl alcohol	10.0	9.16	92	70-130	
Methyl tert-butyl ether	10.0	9.68	97	70-130	
trans-1,2-Dichloroethene	10.0	10.0	100	70-130	
n-Hexane	10.0	9.14	91	70-130	
1,1-Dichloroethane	10.0	9.57	96	70-130	
Vinyl acetate	10.0	8.84	88	70-130	
Ethyl acetate	10.0	10.7	107	70-130	
Methyl Ethyl Ketone	10.0	9.03	90	70-130	
cis-1,2-Dichloroethene	10.0	9.70	97	70-130	
Chloroform	10.0	9.80	98	70-130	
Tetrahydrofuran	10.0	9.40	94	70-130	
1,1,1-Trichloroethane	10.0	9.91	99	70-130	
Cyclohexane	10.0	9.93	99	70-130	
Carbon tetrachloride	10.0	10.2	102	70-130	
2,2,4-Trimethylpentane	10.0	9.25	93	70-130	
Benzene	10.0	9.71	97	70-130	
1,2-Dichloroethane	10.0	9.34	93	70-130	
n-Heptane	10.0	8.24	82	70-130	
Trichloroethene	10.0	9.88	99	70-130	
Methyl methacrylate	10.0	10.1	101	70-130	
1,2-Dichloropropane	10.0	9.27	93	70-130	
1,4-Dioxane	10.0	9.05	90	70-130	

Column to be used to flag recovery and RPD values

FORM III TO-15

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

Lab Name: TestAmerica Burlington Job No.: 200-23114-1

SDG No.:

Matrix: Air Level: Low Lab File ID: 8499_003.d

Lab ID: LCS 200-74743/3 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Bromodichloromethane	10.0	9.91	99	70-130	
cis-1,3-Dichloropropene	10.0	10.1	101	70-130	
methyl isobutyl ketone	10.0	9.35	94	70-130	
Toluene	10.0	9.16	92	70-130	
trans-1,3-Dichloropropene	10.0	10.4	104	70-130	
1,1,2-Trichloroethane	10.0	10.0	100	70-130	
Tetrachloroethene	10.0	9.73	97	70-130	
Methyl Butyl Ketone (2-Hexanone)	10.0	9.32	93	70-130	
Dibromochloromethane	10.0	10.3	103	70-130	
1,2-Dibromoethane	10.0	10.3	103	70-130	
Chlorobenzene	10.0	10.1	101	70-130	
Ethylbenzene	10.0	10.1	101	70-130	
m,p-Xylene	20.0	20.5	103	70-130	
Xylene, o-	10.0	10.0	100	70-130	
Styrene	10.0	10.5	105	70-130	
Bromoform	10.0	10.9	109	70-130	
Cumene	10.0	10.4	104	70-130	
1,1,2,2-Tetrachloroethane	10.0	10.5	105	70-130	
n-Propylbenzene	10.0	10.7	107	70-130	
4-Ethyltoluene	10.0	11.0	110	70-130	
1,3,5-Trimethylbenzene	10.0	10.6	106	70-130	
2-Chlorotoluene	10.0	10.4	104	70-130	
tert-Butylbenzene	10.0	10.6	106	70-130	
1,2,4-Trimethylbenzene	10.0	10.7	107	70-130	
sec-Butylbenzene	10.0	10.8	108	70-130	
4-Isopropyltoluene	10.0	11.0	110	70-130	
1,3-Dichlorobenzene	10.0	10.9	109	70-130	
1,4-Dichlorobenzene	10.0	11.0	110	70-130	
Benzyl chloride	10.0	11.2	112	70-130	
n-Butylbenzene	10.0	11.0	110	70-130	
1,2-Dichlorobenzene	10.0	10.7	107	70-130	
1,2,4-Trichlorobenzene	10.0	10.4	104	70-130	
Hexachlorobutadiene	10.0	9.84	98	70-130	
Naphthalene	10.0	10.4	104	70-130	

Column to be used to flag recovery and RPD values

FORM III TO-15

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

Lab Name: TestAmerica Burlington Job No.: 200-23144-1

SDG No.:

Matrix: Air Level: Low Lab File ID: 8512_003.D

Lab ID: LCS 200-74788/3 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Propylene	10.0	8.88	89	70-130	
Dichlorodifluoromethane	10.0	11.0	110	70-130	
Freon 22	10.0	10.5	105	70-130	
1,2-Dichlorotetrafluoroethane	10.0	11.5	115	70-130	
Chloromethane	10.0	9.23	92	70-130	
n-Butane	10.0	9.21	92	70-130	
Vinyl chloride	10.0	9.11	91	70-130	
1,3-Butadiene	10.0	9.04	90	70-130	
Bromomethane	10.0	10.3	103	70-130	
Chloroethane	10.0	9.74	97	70-130	
Bromoethene(Vinyl Bromide)	10.0	9.99	100	70-130	
Trichlorofluoromethane	10.0	10.5	105	70-130	
Ethanol	15.0	13.5	90	70-130	
Freon TF	10.0	10.4	104	70-130	
1,1-Dichloroethene	10.0	9.91	99	70-130	
Acetone	10.0	10.3	103	70-130	
Isopropyl alcohol	10.0	7.97	80	70-130	
Carbon disulfide	10.0	10.9	109	70-130	
3-Chloropropene	10.0	8.38	84	70-130	
Methylene Chloride	10.0	9.74	97	70-130	
tert-Butyl alcohol	10.0	9.26	93	70-130	
Methyl tert-butyl ether	10.0	10.3	103	70-130	
trans-1,2-Dichloroethene	10.0	10.9	109	70-130	
n-Hexane	10.0	10.1	101	70-130	
1,1-Dichloroethane	10.0	9.59	96	70-130	
Vinyl acetate	10.0	9.00	90	70-130	
Ethyl acetate	10.0	10.6	106	70-130	
Methyl Ethyl Ketone	10.0	9.23	92	70-130	
cis-1,2-Dichloroethene	10.0	9.48	95	70-130	
Chloroform	10.0	10.2	102	70-130	
Tetrahydrofuran	10.0	9.03	90	70-130	
1,1,1-Trichloroethane	10.0	10.1	101	70-130	
Cyclohexane	10.0	9.36	94	70-130	
Carbon tetrachloride	10.0	9.36	94	70-130	
2,2,4-Trimethylpentane	10.0	8.90	89	70-130	
Benzene	10.0	9.17	92	70-130	
1,2-Dichloroethane	10.0	10.0	100	70-130	
n-Heptane	10.0	8.75	87	70-130	
Trichloroethene	10.0	9.57	96	70-130	
Methyl methacrylate	10.0	10.1	101	70-130	
1,2-Dichloropropane	10.0	9.52	95	70-130	
1,4-Dioxane	10.0	9.41	94	70-130	

Column to be used to flag recovery and RPD values

FORM III TO-15

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

Lab Name: TestAmerica Burlington Job No.: 200-23144-1

SDG No.:

Matrix: Air Level: Low Lab File ID: 8512_003.D

Lab ID: LCS 200-74788/3 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Bromodichloromethane	10.0	10.6	106	70-130	
cis-1,3-Dichloropropene	10.0	11.1	111	70-130	
methyl isobutyl ketone	10.0	9.52	95	70-130	
Toluene	10.0	9.77	98	70-130	
trans-1,3-Dichloropropene	10.0	11.4	114	70-130	
1,1,2-Trichloroethane	10.0	9.92	99	70-130	
Tetrachloroethene	10.0	8.54	85	70-130	
Methyl Butyl Ketone (2-Hexanone)	10.0	8.41	84	70-130	
Dibromochloromethane	10.0	9.25	92	70-130	
1,2-Dibromoethane	10.0	10.0	100	70-130	
Chlorobenzene	10.0	9.54	95	70-130	
Ethylbenzene	10.0	9.88	99	70-130	
m,p-Xylene	20.0	19.0	95	70-130	
Xylene, o-	10.0	9.48	95	70-130	
Styrene	10.0	9.91	99	70-130	
Bromoform	10.0	8.73	87	70-130	
Cumene	10.0	9.58	96	70-130	
1,1,2,2-Tetrachloroethane	10.0	10.0	100	70-130	
n-Propylbenzene	10.0	9.80	98	70-130	
4-Ethyltoluene	10.0	9.59	96	70-130	
1,3,5-Trimethylbenzene	10.0	9.87	99	70-130	
2-Chlorotoluene	10.0	9.46	95	70-130	
tert-Butylbenzene	10.0	9.65	97	70-130	
1,2,4-Trimethylbenzene	10.0	9.99	100	70-130	
sec-Butylbenzene	10.0	9.98	100	70-130	
4-Isopropyltoluene	10.0	9.70	97	70-130	
1,3-Dichlorobenzene	10.0	9.52	95	70-130	
1,4-Dichlorobenzene	10.0	9.44	94	70-130	
Benzyl chloride	10.0	9.57	96	70-130	
n-Butylbenzene	10.0	10.3	103	70-130	
1,2-Dichlorobenzene	10.0	9.72	97	70-130	
1,2,4-Trichlorobenzene	10.0	9.44	94	70-130	
Hexachlorobutadiene	10.0	8.70	87	70-130	
Naphthalene	10.0	10.4	104	70-130	

Column to be used to flag recovery and RPD values

FORM III TO-15

FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-23084-1

SDG No.:

Lab File ID: 8501_004.D Lab Sample ID: MB 200-74747/4

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

Instrument ID: CHG.i Date Analyzed: 07/10/2014 13:30

GC Column: RTX-624 ID: 0.32(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 200-74747/3	8501_003.D	07/10/2014 12:39
2573	200-23084-7	8501_006.D	07/10/2014 15:18

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

Lab Name: TestAmerica Burlington | Job No.: 200-23084-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 200-74747/4

Matrix: Air | Lab File ID: 8501_004.D

Analysis Method: TO-15 | Date Collected:

Sample wt/vol: 200(mL) | Date Analyzed: 07/10/2014 13:30

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.: 74747 | 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.: 200-23084-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 200-74747/4

Matrix: Air | Lab File ID: 8501_004.D

Analysis Method: TO-15 | Date Collected:

Sample wt/vol: 200(mL) | Date Analyzed: 07/10/2014 13:30

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.: 74747 | 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.: 200-23084-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-74747/4

Matrix: Air Lab File ID: 8501_004.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 07/10/2014 13:30

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.: 74747 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\20140710-8501.b\8501_004.D
Lims ID: mb
Client ID:
Sample Type: MB
Inject. Date: 10-Jul-2014 13:30:30 ALS Bottle#: 5 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0008501-004
Misc. Info.: mb
Operator ID: PAD Instrument ID: CHG.i

Method: \\BTV-LIMS1\ChromData\CHG.i\20140710-8501.b\TO15_LLNJ_TO3_G.m
Limit Group: AI_TO15_ICAL
Last Update: 11-Jul-2014 11:01:18 Calib Date: 02-Jul-2014 22:50:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHG.i\20140702-8394.b\8394_010.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK036

First Level Reviewer: daiglep Date: 11-Jul-2014 09:19:04

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		2.758					ND	
2 Dichlorodifluoromethane	85		2.833					ND	
6 Chlorodifluoromethane	51		2.886					ND	
7 1,2-Dichloro-1,1,2,2-tetra	85		3.105					ND	
8 Chloromethane	50		3.244					ND	
9 Butane	43		3.453					ND	
10 Vinyl chloride	62		3.501					ND	
11 Butadiene	54		3.582					ND	
12 Bromomethane	94		4.298					ND	
14 Chloroethane	64		4.555					ND	
15 2-Methylbutane	43		4.625					ND	
16 Vinyl bromide	106		4.967					ND	
17 Trichlorofluoromethane	101		5.079					ND	
18 Pentane	43		5.229					ND	
19 Ethanol	45		5.732					ND	
21 Ethyl ether	59		5.796					ND	
22 Acrolein	56		6.219					ND	
23 1,1,2-Trichloro-1,2,2-trif	101		6.235					ND	
24 1,1-Dichloroethene	96		6.267					ND	
25 Acetone	43		6.545					ND	
26 Carbon disulfide	76		6.652					ND	
27 Isopropyl alcohol	45		6.882					ND	
29 3-Chloro-1-propene	41		7.118					ND	
30 Acetonitrile	41		7.284					ND	
31 Methylene Chloride	49		7.433					ND	
32 2-Methyl-2-propanol	59		7.695					ND	
33 Methyl tert-butyl ether	73		7.851					ND	
34 trans-1,2-Dichloroethene	61		7.877					ND	
35 Acrylonitrile	53		8.075					ND	
36 Hexane	57		8.279					ND	
37 1,1-Dichloroethane	63		8.803					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
38 Vinyl acetate	43		8.904					ND	
39 cis-1,2-Dichloroethene	96		9.948					ND	
40 2-Butanone (MEK)	72		10.017					ND	
42 Ethyl acetate	88		10.065					ND	
S 41 1,2-Dichloroethene, Total	61		10.200					0	
44 Tetrahydrofuran	42		10.408					ND	
* 43 Chlorobromomethane	128	10.418	10.424	-0.006	63	687257	10.0	10.0	
45 Chloroform	83		10.568					ND	
46 Cyclohexane	84		10.782					ND	
47 1,1,1-Trichloroethane	97		10.825					ND	
48 Carbon tetrachloride	117		11.071					ND	
51 Isooctane	57		11.531					ND	
50 Benzene	78		11.563					ND	
52 1,2-Dichloroethane	62		11.761					ND	
53 n-Heptane	43		11.932					ND	
* 54 1,4-Difluorobenzene	114	12.430	12.435	-0.005	90	4027213	10.0	10.0	
55 n-Butanol	56		12.847					ND	
56 Trichloroethene	95		12.885					ND	
A 57 GRO	1	13.064	(4.615-21.513)		0	834672		0	
58 1,2-Dichloropropane	63		13.462					ND	
59 Methyl methacrylate	69		13.655					ND	
60 1,4-Dioxane	88		13.687					ND	
61 Dibromomethane	174		13.719					ND	
62 Dichlorobromomethane	83		14.035					ND	
A 63 TVOC as Toluene	1	14.770	(2.748-26.793)		0	948339		0	
64 cis-1,3-Dichloropropene	75		15.014					ND	
65 4-Methyl-2-pentanone (MIBK	43		15.335					ND	
66 Toluene	92	15.634	15.624	0.010	1	525		0.002233	
A 67 Toluene Range	1	15.624	(15.584-15.664)		0	7293		NC	
69 n-Octane	43	15.693	15.688	0.005	1	360		0.002813	
A 68 C8 Range	1	15.718	(15.638-15.738)		0	3776		NC	
70 trans-1,3-Dichloropropene	75		16.260					ND	
71 1,1,2-Trichloroethane	83		16.645					ND	
72 Tetrachloroethene	166		16.726					ND	
73 2-Hexanone	43		17.116					ND	
74 Chlorodibromomethane	129		17.416					ND	
75 Ethylene Dibromide	107		17.694					ND	
* 76 Chlorobenzene-d5	117	18.603	18.603	0.000	78	5135744	10.0	10.0	
77 Chlorobenzene	112		18.668					ND	
78 Ethylbenzene	91	18.823	18.823	0.000	1	1269		0.002584	
79 n-Nonane	57		18.957					ND	
80 m-Xylene & p-Xylene	106	19.085	19.080	0.005	1	885		0.004127	
83 o-Xylene	106		19.930					ND	
84 Styrene	104		19.984					ND	
S 82 Xylenes, Total	106				0			0.004127	
85 Bromoform	173		20.401					ND	
86 Isopropylbenzene	105		20.615					ND	
* 87 4-Bromofluorobenzene	95	20.979	20.979	0.000	96	2940473	10.0	10.0	
88 1,1,2,2-Tetrachloroethane	83		21.268					ND	
90 N-Propylbenzene	91		21.332					ND	
89 1,2,3-Trichloropropane	75		21.364					ND	
93 n-Decane	57		21.503					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
91 4-Ethyltoluene	105		21.519					ND	
92 2-Chlorotoluene	91		21.524					ND	
94 1,3,5-Trimethylbenzene	105		21.626					ND	
95 Alpha Methyl Styrene	118		21.990					ND	
96 tert-Butylbenzene	119		22.113					ND	
97 1,2,4-Trimethylbenzene	105		22.204					ND	
98 sec-Butylbenzene	105		22.434					ND	
99 4-Isopropyltoluene	119		22.632					ND	
100 1,3-Dichlorobenzene	146		22.659					ND	
101 1,4-Dichlorobenzene	146		22.792					ND	
102 Benzyl chloride	91		22.996					ND	
103 n-Butylbenzene	91		23.199					ND	
104 Undecane	57		23.220					ND	
105 1,2-Dichlorobenzene	146		23.327					ND	
106 Dodecane	57		24.798					ND	
107 1,2,4-Trichlorobenzene	180		25.820					ND	
108 Hexachlorobutadiene	225		25.997					ND	
109 Naphthalene	128		26.312					ND	
110 1,2,3-Trichlorobenzene	180		26.783					ND	

QC Flag Legend

Processing Flags
NC - Not Calibrated
ND - Not Detected or Marked ND

Reagents:

ATTO15GIS_00009 Amount Added: 20.00 Units: mL Run Reagent

Report Date: 11-Jul-2014 11:01:21 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140710-8501.b\8501_004.D

Injection Date:	10-Jul-2014 13:30:30	Instrument ID:	CHG.i	Operator ID:	PAD
Lims ID:	mb			Worklist Smp#:	4
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 IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-23111-1

SDG No.:

Lab File ID: 8499_004.d Lab Sample ID: MB 200-74743/4

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

Instrument ID: CHW.i Date Analyzed: 07/10/2014 13:26

GC Column: RTX-624 ID: 0.32(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 200-74743/3	8499_003.d	07/10/2014 12:37
4324	200-23111-11	8499_006.d	07/10/2014 15:43

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

Lab Name: TestAmerica Burlington Job No.: 200-23111-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-74743/4

Matrix: Air Lab File ID: 8499_004.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 07/10/2014 13:26

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.: 74743 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.: 200-23111-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 200-74743/4

Matrix: Air | Lab File ID: 8499_004.d

Analysis Method: TO-15 | Date Collected:

Sample wt/vol: 200(mL) | Date Analyzed: 07/10/2014 13:26

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.: 74743 | 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.: 200-23111-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-74743/4

Matrix: Air Lab File ID: 8499_004.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 07/10/2014 13:26

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.: 74743 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\CHW.i\20140710-8499.b\8499_004.d
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 10-Jul-2014 13:26:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0008499-004
Misc. Info.: MB
Operator ID: bl Instrument ID: CHW.i

Method: \\BTV-LIMS1\ChromData\CHW.i\20140710-8499.b\TO15_LLNJ_TO3_W_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 10-Jul-2014 14:13:54 Calib Date: 15-Jun-2014 00:33:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20140613-8058.b\8058_017.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK037

First Level Reviewer: lyonsb Date: 10-Jul-2014 14:13:47

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
3 Difluoroethane TIC	51		3.150					ND	
4 Chlorotrifluoroethene TIC	116		3.162					ND	
5 Freon 115 TIC	85		3.180					ND	
1 Propene	41		4.392					0	
2 Dichlorodifluoromethane	85		4.483					ND	
6 Chlorodifluoromethane	51		4.547					ND	
7 1,2-Dichloro-1,1,2,2-tetra	85		4.831					ND	
8 Chloromethane	50		5.029					ND	
9 Butane	43		5.291					ND	
10 Vinyl chloride	62		5.344					ND	
11 Butadiene	54		5.446					ND	
20 1,1,1-Trifluoro-2,2-dichlo	83		6.000					ND	
12 Bromomethane	94		6.313					ND	
14 Chloroethane	64		6.596					ND	
15 2-Methylbutane	43		6.682					ND	
16 Vinyl bromide	106		7.072					ND	
17 Trichlorofluoromethane	101		7.190					ND	
28 Methyl Acetate TIC	43		7.342					ND	
18 Pentane	43		7.356					ND	
19 Ethanol	45		7.794					ND	
21 Ethyl ether	59		7.934					ND	
22 Acrolein	56		8.399					ND	
23 1,1,2-Trichloro-1,2,2-trif	101		8.436					ND	
24 1,1-Dichloroethene	96		8.511					ND	
25 Acetone	43		8.736					ND	
26 Carbon disulfide	76		8.998					ND	
27 Isopropyl alcohol	45		9.025					ND	
29 3-Chloro-1-propene	41		9.394					ND	
30 Acetonitrile	41		9.522					ND	
31 Methylene Chloride	49		9.726					ND	
32 2-Methyl-2-propanol	59		9.892					ND	

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		10.148					ND	
S 41 1,2-Dichloroethene, Total	61		10.200					0	
34 trans-1,2-Dichloroethene	61		10.223					ND	
35 Acrylonitrile	53		10.368					ND	
36 Hexane	57		10.635					ND	
37 1,1-Dichloroethane	63		11.186					ND	
38 Vinyl acetate	43		11.224					ND	
49 Methyl cyclohexane TIC	55		11.500					ND	
39 cis-1,2-Dichloroethene	96		12.363					ND	
40 2-Butanone (MEK)	72		12.374					ND	
42 Ethyl acetate	88		12.401					ND	
44 Tetrahydrofuran	42		12.839					ND	
* 43 Chlorobromomethane	128	12.845	12.845	-0.001	72	487198	10.0	10.0	
45 Chloroform	83		12.957					ND	
46 Cyclohexane	84		13.257					ND	
47 1,1,1-Trichloroethane	97		13.267					ND	
48 Carbon tetrachloride	117		13.519					ND	
51 Isooctane	57		13.909					ND	
50 Benzene	78		13.973					ND	
52 1,2-Dichloroethane	62		14.134					ND	
53 n-Heptane	43		14.257					ND	
* 54 1,4-Difluorobenzene	114	14.728	14.728	0.000	92	2386131	10.0	10.0	
A 57 GRO	1	14.760	(6.672-22.848)		0	394373		0	
55 n-Butanol	56		15.011					ND	
56 Trichloroethene	95		15.193					ND	
58 1,2-Dichloropropane	63		15.712					ND	
59 Methyl methacrylate	69		15.792					ND	
60 1,4-Dioxane	88		15.889					ND	
61 Dibromomethane	174		15.958					ND	
62 Dichlorobromomethane	83		16.204					ND	
A 63 TVOC as Toluene	92		(4.382-28.856)					0	
64 cis-1,3-Dichloropropene	75		17.071					ND	
65 4-Methyl-2-pentanone (MIBK	43		17.296					ND	
69 n-Octane	43		17.638					ND	
A 68 C8 Range	1	17.632	(17.588-17.676)		0	4788		NC	
66 Toluene	92		17.643					ND	
A 67 Toluene Range	92		(17.603-17.683)					0	
70 trans-1,3-Dichloropropene	75		18.173					ND	
71 1,1,2-Trichloroethane	83		18.542					ND	
72 Tetrachloroethene	166		18.681					ND	
73 2-Hexanone	43		18.927					ND	
74 Chlorodibromomethane	129		19.296					ND	
81 1,2-Dibromo-3-Chloropropan	75		19.300					ND	
75 Ethylene Dibromide	107		19.580					ND	
S 82 Xylenes, Total	106				0			0.0196	
* 76 Chlorobenzene-d5	117	20.425	20.425	0.000	79	2124767	10.0	10.0	
77 Chlorobenzene	112		20.484					ND	
78 Ethylbenzene	91		20.596					ND	
79 n-Nonane	57		20.650					ND	
80 m-Xylene & p-Xylene	106	20.816	20.810	0.006	23	1834		0.0143	
83 o-Xylene	106	21.532	21.527	0.005	21	702		0.005357	
84 Styrene	104		21.565					ND	

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		21.944					ND	
86 Isopropylbenzene	105		22.094					ND	
$ 87 4-Bromofluorobenzene	95	22.431	22.431	0.000	97	1293446	NC	NC	
88 1,1,2,2-Tetrachloroethane	83		22.656					ND	
90 N-Propylbenzene	91		22.725					ND	
89 1,2,3-Trichloropropane	75		22.758					ND	
93 n-Decane	57		22.838					ND	
91 4-Ethyltoluene	105		22.891					ND	
92 2-Chlorotoluene	91		22.929					ND	
94 1,3,5-Trimethylbenzene	105	22.988	22.982	0.006	15	2589		0.008509	7
95 Alpha Methyl Styrene	118		23.335					ND	
96 tert-Butylbenzene	119		23.458					ND	
97 1,2,4-Trimethylbenzene	105		23.555					ND	
98 sec-Butylbenzene	105		23.790					ND	
99 4-Isopropyltoluene	119		23.993					ND	
100 1,3-Dichlorobenzene	146	24.068	24.063	0.005	77	8570		0.0362	
101 1,4-Dichlorobenzene	146	24.207	24.207	0.000	79	9170		0.0396	
102 Benzyl chloride	91		24.416					ND	
104 Undecane	57		24.603					ND	
103 n-Butylbenzene	91		24.630					ND	
105 1,2-Dichlorobenzene	146	24.822	24.812	0.010	73	8437		0.0365	
106 Dodecane	57		26.401					ND	
107 1,2,4-Trichlorobenzene	180	27.701	27.701	0.000	51	12732		0.0680	
108 Hexachlorobutadiene	225	27.888	27.899	-0.011	51	4928		0.0252	
109 Naphthalene	128		28.284					ND	
110 1,2,3-Trichlorobenzene	180		28.846					ND	

QC Flag Legend

Processing Flags
NC - Not Calibrated
ND - Not Detected or Marked ND
7 - Failed Limit of Detection

Reagents:

ATTO15WISs_00003 Amount Added: 20.00 Units: mL Run Reagent

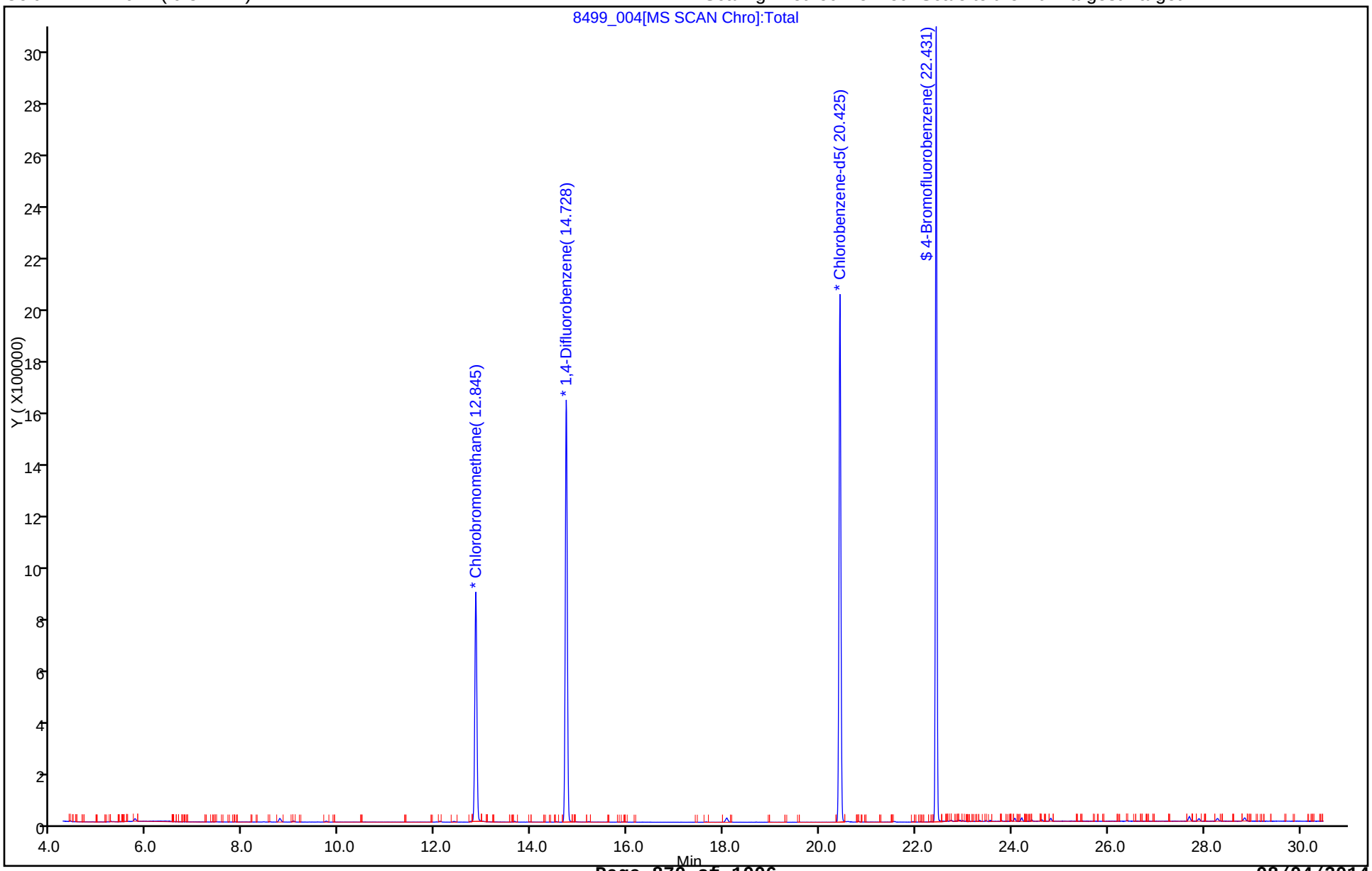
Report Date: 10-Jul-2014 14:13:55 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140710-8499.b\8499_004.d

Injection Date:	10-Jul-2014 13:26:30	Instrument ID:	CHW.i	Operator ID:	bl
Lims ID:	MB			Worklist Smp#:	4
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



FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-23114-1

SDG No.:

Lab File ID: 8499_004.d Lab Sample ID: MB 200-74743/4

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

Instrument ID: CHW.i Date Analyzed: 07/10/2014 13:26

GC Column: RTX-624 ID: 0.32(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 200-74743/3	8499_003.d	07/10/2014 12:37
5129	200-23114-12	8499_005.d	07/10/2014 14:36

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

Lab Name: TestAmerica Burlington Job No.: 200-23114-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-74743/4

Matrix: Air Lab File ID: 8499_004.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 07/10/2014 13:26

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.: 74743 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.: 200-23114-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 200-74743/4

Matrix: Air | Lab File ID: 8499_004.d

Analysis Method: TO-15 | Date Collected:

Sample wt/vol: 200(mL) | Date Analyzed: 07/10/2014 13:26

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.: 74743 | 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.: 200-23114-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-74743/4

Matrix: Air Lab File ID: 8499_004.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 07/10/2014 13:26

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.: 74743 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\CHW.i\20140710-8499.b\8499_004.d
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 10-Jul-2014 13:26:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0008499-004
Misc. Info.: MB
Operator ID: bl Instrument ID: CHW.i

Method: \\BTV-LIMS1\ChromData\CHW.i\20140710-8499.b\TO15_LLNJ_TO3_W_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 10-Jul-2014 14:13:54 Calib Date: 15-Jun-2014 00:33:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20140613-8058.b\8058_017.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK037

First Level Reviewer: lyonsb Date: 10-Jul-2014 14:13:47

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
3 Difluoroethane TIC	51		3.150					ND	
4 Chlorotrifluoroethene TIC	116		3.162					ND	
5 Freon 115 TIC	85		3.180					ND	
1 Propene	41		4.392					0	
2 Dichlorodifluoromethane	85		4.483					ND	
6 Chlorodifluoromethane	51		4.547					ND	
7 1,2-Dichloro-1,1,2,2-tetra	85		4.831					ND	
8 Chloromethane	50		5.029					ND	
9 Butane	43		5.291					ND	
10 Vinyl chloride	62		5.344					ND	
11 Butadiene	54		5.446					ND	
20 1,1,1-Trifluoro-2,2-dichlo	83		6.000					ND	
12 Bromomethane	94		6.313					ND	
14 Chloroethane	64		6.596					ND	
15 2-Methylbutane	43		6.682					ND	
16 Vinyl bromide	106		7.072					ND	
17 Trichlorofluoromethane	101		7.190					ND	
28 Methyl Acetate TIC	43		7.342					ND	
18 Pentane	43		7.356					ND	
19 Ethanol	45		7.794					ND	
21 Ethyl ether	59		7.934					ND	
22 Acrolein	56		8.399					ND	
23 1,1,2-Trichloro-1,2,2-trif	101		8.436					ND	
24 1,1-Dichloroethene	96		8.511					ND	
25 Acetone	43		8.736					ND	
26 Carbon disulfide	76		8.998					ND	
27 Isopropyl alcohol	45		9.025					ND	
29 3-Chloro-1-propene	41		9.394					ND	
30 Acetonitrile	41		9.522					ND	
31 Methylene Chloride	49		9.726					ND	
32 2-Methyl-2-propanol	59		9.892					ND	

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		10.148					ND	
S 41 1,2-Dichloroethene, Total	61		10.200					0	
34 trans-1,2-Dichloroethene	61		10.223					ND	
35 Acrylonitrile	53		10.368					ND	
36 Hexane	57		10.635					ND	
37 1,1-Dichloroethane	63		11.186					ND	
38 Vinyl acetate	43		11.224					ND	
49 Methyl cyclohexane TIC	55		11.500					ND	
39 cis-1,2-Dichloroethene	96		12.363					ND	
40 2-Butanone (MEK)	72		12.374					ND	
42 Ethyl acetate	88		12.401					ND	
44 Tetrahydrofuran	42		12.839					ND	
* 43 Chlorobromomethane	128	12.845	12.845	-0.001	72	487198	10.0	10.0	
45 Chloroform	83		12.957					ND	
46 Cyclohexane	84		13.257					ND	
47 1,1,1-Trichloroethane	97		13.267					ND	
48 Carbon tetrachloride	117		13.519					ND	
51 Isooctane	57		13.909					ND	
50 Benzene	78		13.973					ND	
52 1,2-Dichloroethane	62		14.134					ND	
53 n-Heptane	43		14.257					ND	
* 54 1,4-Difluorobenzene	114	14.728	14.728	0.000	92	2386131	10.0	10.0	
A 57 GRO	1	14.760	(6.672-22.848)		0	394373		0	
55 n-Butanol	56		15.011					ND	
56 Trichloroethene	95		15.193					ND	
58 1,2-Dichloropropane	63		15.712					ND	
59 Methyl methacrylate	69		15.792					ND	
60 1,4-Dioxane	88		15.889					ND	
61 Dibromomethane	174		15.958					ND	
62 Dichlorobromomethane	83		16.204					ND	
A 63 TVOC as Toluene	92		(4.382-28.856)					0	
64 cis-1,3-Dichloropropene	75		17.071					ND	
65 4-Methyl-2-pentanone (MIBK	43		17.296					ND	
69 n-Octane	43		17.638					ND	
A 68 C8 Range	1	17.632	(17.588-17.676)		0	4788		NC	
66 Toluene	92		17.643					ND	
A 67 Toluene Range	92		(17.603-17.683)					0	
70 trans-1,3-Dichloropropene	75		18.173					ND	
71 1,1,2-Trichloroethane	83		18.542					ND	
72 Tetrachloroethene	166		18.681					ND	
73 2-Hexanone	43		18.927					ND	
74 Chlorodibromomethane	129		19.296					ND	
81 1,2-Dibromo-3-Chloropropan	75		19.300					ND	
75 Ethylene Dibromide	107		19.580					ND	
S 82 Xylenes, Total	106				0			0.0196	
* 76 Chlorobenzene-d5	117	20.425	20.425	0.000	79	2124767	10.0	10.0	
77 Chlorobenzene	112		20.484					ND	
78 Ethylbenzene	91		20.596					ND	
79 n-Nonane	57		20.650					ND	
80 m-Xylene & p-Xylene	106	20.816	20.810	0.006	23	1834		0.0143	
83 o-Xylene	106	21.532	21.527	0.005	21	702		0.005357	
84 Styrene	104		21.565					ND	

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		21.944					ND	
86 Isopropylbenzene	105		22.094					ND	
$ 87 4-Bromofluorobenzene	95	22.431	22.431	0.000	97	1293446	NC	NC	
88 1,1,2,2-Tetrachloroethane	83		22.656					ND	
90 N-Propylbenzene	91		22.725					ND	
89 1,2,3-Trichloropropane	75		22.758					ND	
93 n-Decane	57		22.838					ND	
91 4-Ethyltoluene	105		22.891					ND	
92 2-Chlorotoluene	91		22.929					ND	
94 1,3,5-Trimethylbenzene	105	22.988	22.982	0.006	15	2589		0.008509	7
95 Alpha Methyl Styrene	118		23.335					ND	
96 tert-Butylbenzene	119		23.458					ND	
97 1,2,4-Trimethylbenzene	105		23.555					ND	
98 sec-Butylbenzene	105		23.790					ND	
99 4-Isopropyltoluene	119		23.993					ND	
100 1,3-Dichlorobenzene	146	24.068	24.063	0.005	77	8570		0.0362	
101 1,4-Dichlorobenzene	146	24.207	24.207	0.000	79	9170		0.0396	
102 Benzyl chloride	91		24.416					ND	
104 Undecane	57		24.603					ND	
103 n-Butylbenzene	91		24.630					ND	
105 1,2-Dichlorobenzene	146	24.822	24.812	0.010	73	8437		0.0365	
106 Dodecane	57		26.401					ND	
107 1,2,4-Trichlorobenzene	180	27.701	27.701	0.000	51	12732		0.0680	
108 Hexachlorobutadiene	225	27.888	27.899	-0.011	51	4928		0.0252	
109 Naphthalene	128		28.284					ND	
110 1,2,3-Trichlorobenzene	180		28.846					ND	

QC Flag Legend

Processing Flags
NC - Not Calibrated
ND - Not Detected or Marked ND
7 - Failed Limit of Detection

Reagents:

ATTO15WISs_00003 Amount Added: 20.00 Units: mL Run Reagent

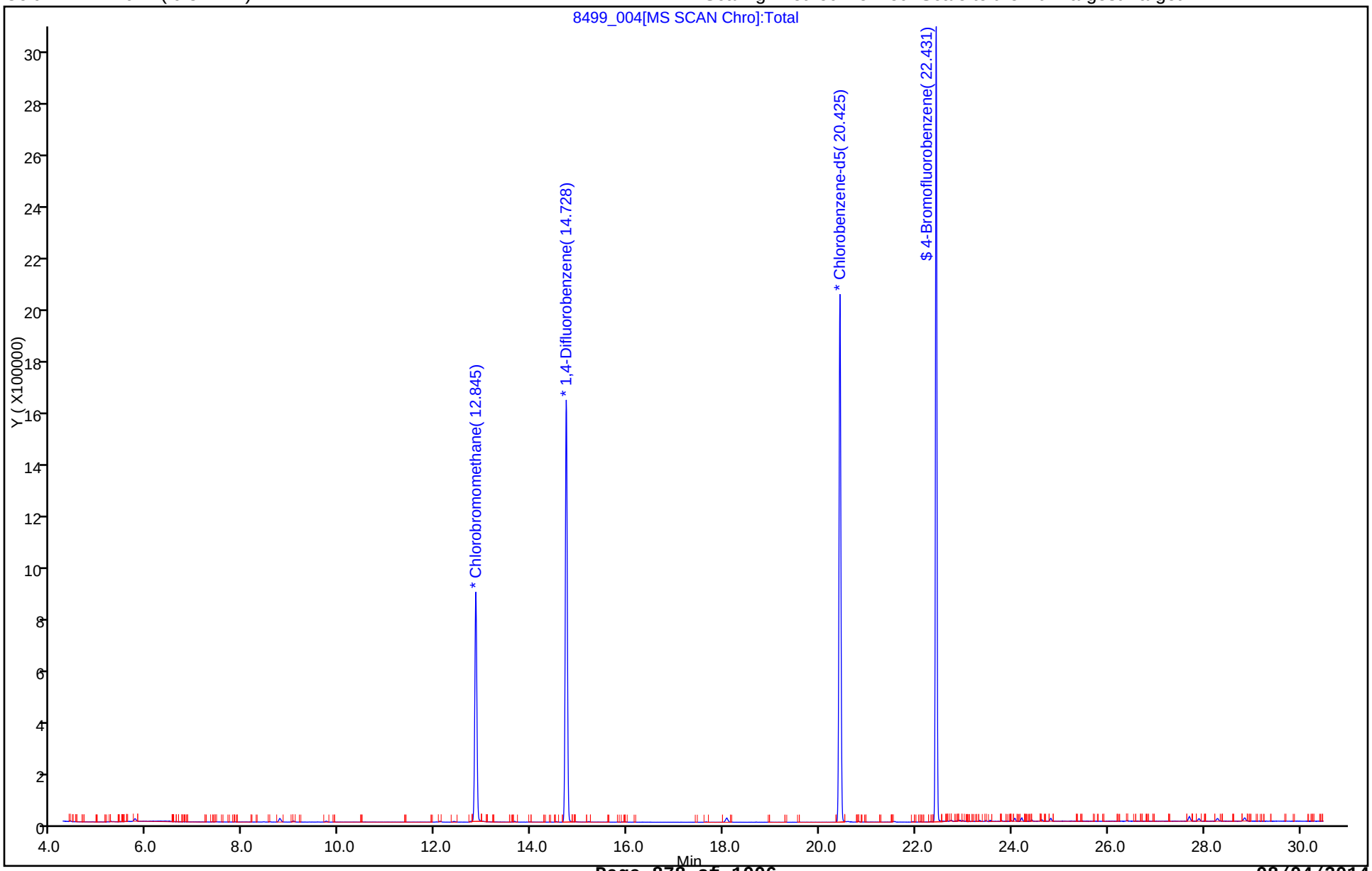
Report Date: 10-Jul-2014 14:13:55 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140710-8499.b\8499_004.d

Injection Date:	10-Jul-2014 13:26:30	Instrument ID:	CHW.i	Operator ID:	bl
Lims ID:	MB			Worklist Smp#:	4
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



FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-23144-1

SDG No.:

Lab File ID: 8512_004.D Lab Sample ID: MB 200-74788/4

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

Instrument ID: CHG.i Date Analyzed: 07/11/2014 12:24

GC Column: RTX-624 ID: 0.32(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 200-74788/3	8512_003.D	07/11/2014 11:33
4820	200-23144-2	8512_007.D	07/11/2014 15:04

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

Lab Name: TestAmerica Burlington | Job No.: 200-23144-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 200-74788/4

Matrix: Air | Lab File ID: 8512_004.D

Analysis Method: TO-15 | Date Collected:

Sample wt/vol: 200(mL) | Date Analyzed: 07/11/2014 12:24

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.: 74788 | 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.: 200-23144-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 200-74788/4

Matrix: Air | Lab File ID: 8512_004.D

Analysis Method: TO-15 | Date Collected:

Sample wt/vol: 200(mL) | Date Analyzed: 07/11/2014 12:24

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.: 74788 | 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.: 200-23144-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-74788/4

Matrix: Air Lab File ID: 8512_004.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 07/11/2014 12:24

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.: 74788 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\20140711-8512.b\8512_004.D
Lims ID: mb
Client ID:
Sample Type: MB
Inject. Date: 11-Jul-2014 12:24:30 ALS Bottle#: 5 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0008512-004
Misc. Info.: mb
Operator ID: PAD Instrument ID: CHG.i

Method: \\BTV-LIMS1\ChromData\CHG.i\20140711-8512.b\TO15_LLNJ_TO3_G.m
Limit Group: AI_TO15_ICAL
Last Update: 14-Jul-2014 12:03:37 Calib Date: 02-Jul-2014 22:50:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHG.i\20140702-8394.b\8394_010.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK026

First Level Reviewer: daiglep Date: 14-Jul-2014 09:27:28

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		2.758					ND	
2 Dichlorodifluoromethane	85		2.833					ND	
6 Chlorodifluoromethane	51		2.886					ND	
7 1,2-Dichloro-1,1,2,2-tetra	85		3.105					ND	
8 Chloromethane	50		3.250					ND	
9 Butane	43		3.453					ND	
10 Vinyl chloride	62		3.501					ND	
11 Butadiene	54		3.581					ND	
12 Bromomethane	94		4.298					ND	
14 Chloroethane	64		4.560					ND	
15 2-Methylbutane	43		4.635					ND	
16 Vinyl bromide	106		4.972					ND	
17 Trichlorofluoromethane	101		5.079					ND	
18 Pentane	43		5.229					ND	
19 Ethanol	45		5.732					ND	
21 Ethyl ether	59		5.802					ND	
22 Acrolein	56		6.219					ND	
23 1,1,2-Trichloro-1,2,2-trif	101		6.235					ND	
24 1,1-Dichloroethene	96		6.267					ND	
25 Acetone	43		6.551					ND	
26 Carbon disulfide	76		6.652					ND	
27 Isopropyl alcohol	45		6.877					ND	
29 3-Chloro-1-propene	41		7.118					ND	
30 Acetonitrile	41		7.283					ND	
31 Methylene Chloride	49		7.428					ND	
32 2-Methyl-2-propanol	59		7.701					ND	
33 Methyl tert-butyl ether	73		7.851					ND	
34 trans-1,2-Dichloroethene	61		7.877					ND	
35 Acrylonitrile	53		8.075					ND	
36 Hexane	57		8.284					ND	
37 1,1-Dichloroethane	63		8.797					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
38 Vinyl acetate	43		8.899					ND	
39 cis-1,2-Dichloroethene	96		9.948					ND	
40 2-Butanone (MEK)	72		10.017					ND	
42 Ethyl acetate	88		10.060					ND	
S 41 1,2-Dichloroethene, Total	61		10.200					0	
44 Tetrahydrofuran	42		10.413					ND	
* 43 Chlorobromomethane	128	10.418	10.424	-0.006	63	664530	10.0	10.0	
45 Chloroform	83		10.563					ND	
46 Cyclohexane	84		10.777					ND	
47 1,1,1-Trichloroethane	97		10.825					ND	
48 Carbon tetrachloride	117		11.071					ND	
51 Isooctane	57		11.526					ND	
50 Benzene	78	11.558	11.558	0.000	1	1773		0.0103	
52 1,2-Dichloroethane	62		11.761					ND	
53 n-Heptane	43		11.932					ND	
* 54 1,4-Difluorobenzene	114	12.430	12.430	0.000	90	3899581	10.0	10.0	
55 n-Butanol	56		12.853					ND	
56 Trichloroethene	95		12.879					ND	
A 57 GRO	1	13.067	(4.625-21.508)		0	829377		0	
58 1,2-Dichloropropane	63		13.457					ND	
59 Methyl methacrylate	69		13.650					ND	
60 1,4-Dioxane	88		13.692					ND	
61 Dibromomethane	174		13.719					ND	
62 Dichlorobromomethane	83		14.029					ND	
A 63 TVOC as Toluene	1	14.768	(2.748-26.788)		0	906783		0	
64 cis-1,3-Dichloropropene	75		15.008					ND	
65 4-Methyl-2-pentanone (MIBK	43		15.329					ND	
A 67 Toluene Range	1	15.618	(15.578-15.658)		0	9969		NC	
66 Toluene	92	15.608	15.618	-0.010	34	1627		0.006952	
A 68 C8 Range	1		(15.638-15.738)					ND	
69 n-Octane	43	15.682	15.688	-0.006	1	355		0.002864	
70 trans-1,3-Dichloropropene	75		16.260					ND	
71 1,1,2-Trichloroethane	83		16.640					ND	
72 Tetrachloroethene	166		16.726					ND	
73 2-Hexanone	43		17.116					ND	
74 Chlorodibromomethane	129		17.416					ND	
75 Ethylene Dibromide	107		17.689					ND	
* 76 Chlorobenzene-d5	117	18.603	18.603	0.000	78	5113277	10.0	10.0	
77 Chlorobenzene	112		18.662					ND	
78 Ethylbenzene	91		18.823					ND	
79 n-Nonane	57		18.951					ND	
80 m-Xylene & p-Xylene	106	19.069	19.074	-0.005	38	1493		0.006993	
83 o-Xylene	106		19.925					ND	
84 Styrene	104		19.984					ND	
S 82 Xylenes, Total	106				0			0.006993	
85 Bromoform	173		20.401					ND	
86 Isopropylbenzene	105		20.610					ND	
* 87 4-Bromofluorobenzene	95	20.973	20.973	0.000	97	2872808	10.0	10.0	
88 1,1,2,2-Tetrachloroethane	83		21.262					ND	
90 N-Propylbenzene	91		21.326					ND	
89 1,2,3-Trichloropropane	75		21.359					ND	
93 n-Decane	57		21.498					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
91 4-Ethyltoluene	105		21.519					ND	
92 2-Chlorotoluene	91		21.524					ND	
94 1,3,5-Trimethylbenzene	105		21.626					ND	
95 Alpha Methyl Styrene	118		21.984					ND	
96 tert-Butylbenzene	119		22.108					ND	
97 1,2,4-Trimethylbenzene	105		22.204					ND	
98 sec-Butylbenzene	105		22.428					ND	
99 4-Isopropyltoluene	119		22.632					ND	
100 1,3-Dichlorobenzene	146		22.659					ND	
101 1,4-Dichlorobenzene	146		22.792					ND	
102 Benzyl chloride	91		22.990					ND	
103 n-Butylbenzene	91		23.199					ND	
104 Undecane	57		23.220					ND	
105 1,2-Dichlorobenzene	146		23.322					ND	
106 Dodecane	57		24.793					ND	
107 1,2,4-Trichlorobenzene	180		25.815					ND	
108 Hexachlorobutadiene	225		25.997					ND	
109 Naphthalene	128		26.307					ND	
110 1,2,3-Trichlorobenzene	180		26.778					ND	

QC Flag Legend

Processing Flags
NC - Not Calibrated
ND - Not Detected or Marked ND

Reagents:

ATTO15GIS_00009 Amount Added: 20.00 Units: mL Run Reagent

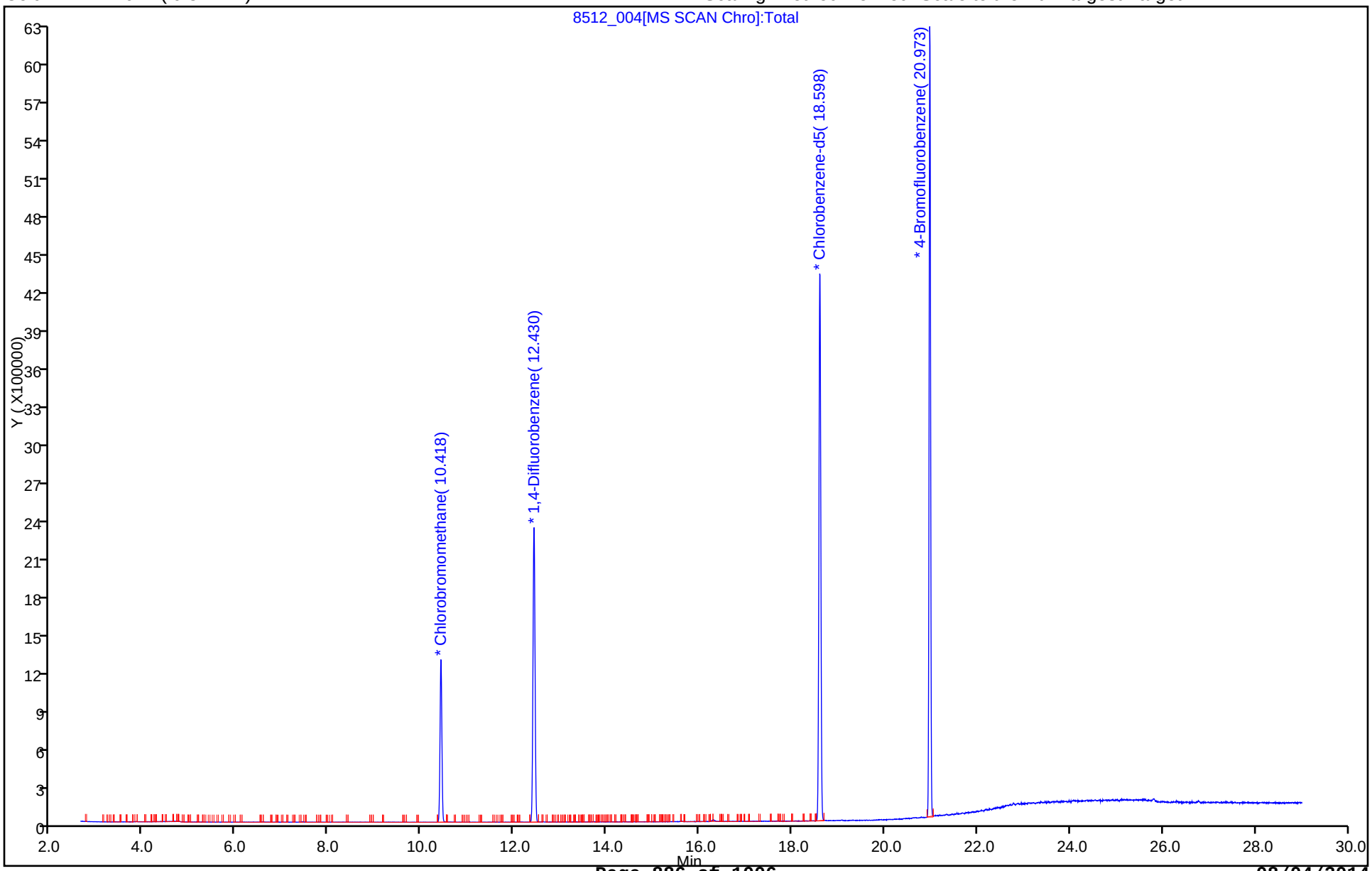
Report Date: 14-Jul-2014 12:03:39 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140711-8512.b\8512_004.D

Injection Date:	11-Jul-2014 12:24:30	Instrument ID:	CHG.i	Operator ID:	PAD
Lims ID:	mb			Worklist Smp#:	4
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.: 200-23084-1

SDG No.:

Lab File ID: 8394_001.D BFB Injection Date: 07/02/2014

Instrument ID: CHG.i BFB Injection Time: 15:15

Analysis Batch No.: 74492

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	11.2	
75	30.0 - 66.0% of mass 95	38.9	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	6.9	
173	Less than 2.0% of mass 174	0.5	(0.4)1
174	50.0 - 120.0% of mass 95	113.8	
175	4.0 - 9.0 % of mass 174	8.0	(7.0)1
176	93.0 - 101.0% of mass 174	112.4	(98.8)1
177	5.0 - 9.0% of mass 176	7.5	(6.7)2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 200-74492/3	8394_003.D	07/02/2014	16:53
	IC 200-74492/4	8394_004.D	07/02/2014	17:44
	IC 200-74492/5	8394_005.D	07/02/2014	18:35
	IC 200-74492/6	8394_006.D	07/02/2014	19:26
	ICIS 200-74492/7	8394_007.D	07/02/2014	20:17
	IC 200-74492/8	8394_008.D	07/02/2014	21:08
	IC 200-74492/9	8394_009.D	07/02/2014	21:59
	IC 200-74492/10	8394_010.D	07/02/2014	22:50
	ICV 200-74492/13	8394_013.D	07/03/2014	01:24

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-23084-1

SDG No.:

Lab File ID: 8501_001.D BFB Injection Date: 07/10/2014

Instrument ID: CHG.i BFB Injection Time: 10:45

Analysis Batch No.: 74747

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	10.8	
75	30.0 - 66.0% of mass 95	38.7	
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	0.5	(0.4)1
174	50.0 - 120.0% of mass 95	118.7	
175	4.0 - 9.0 % of mass 174	8.2	(6.9)1
176	93.0 - 101.0% of mass 174	118.6	(99.9)1
177	5.0 - 9.0% of mass 176	7.8	(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 200-74747/2	8501_002.D	07/10/2014	11:47
	LCS 200-74747/3	8501_003.D	07/10/2014	12:39
	MB 200-74747/4	8501_004.D	07/10/2014	13:30
2573	200-23084-7	8501_006.D	07/10/2014	15:18

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-23111-1

SDG No.:

Lab File ID: 8058_001.d BFB Injection Date: 06/14/2014

Instrument ID: CHW.i BFB Injection Time: 06:27

Analysis Batch No.: 73568

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	13.5	
75	30.0 - 66.0% of mass 95	42.4	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	6.9	
173	Less than 2.0% of mass 174	0.5	(0.4)1
174	50.0 - 120.0% of mass 95	107.0	
175	4.0 - 9.0 % of mass 174	7.6	(7.1)1
176	93.0 - 101.0% of mass 174	105.6	(98.7)1
177	5.0 - 9.0% of mass 176	7.0	(6.6)2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 200-73568/5	8058_005.d	06/14/2014	09:46
	IC 200-73568/6	8058_006.d	06/14/2014	10:36
	ICIS 200-73568/7	8058_007.d	06/14/2014	11:26
	IC 200-73568/8	8058_008.d	06/14/2014	12:16
	IC 200-73568/9	8058_009.d	06/14/2014	13:06
	IC 200-73568/10	8058_010.d	06/14/2014	13:56
	IC 200-73568/16	8058_016.d	06/14/2014	23:41
	IC 200-73568/17	8058_017.d	06/15/2014	00:33
	ICV 200-73568/19	8058_019.d	06/15/2014	02:11

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-23111-1

SDG No.:

Lab File ID: 8499_001.d BFB Injection Date: 07/10/2014

Instrument ID: CHW.i BFB Injection Time: 10:45

Analysis Batch No.: 74743

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	13.5	
75	30.0 - 66.0% of mass 95	42.8	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	6.8	
173	Less than 2.0% of mass 174	0.5	(0.5)1
174	50.0 - 120.0% of mass 95	105.3	
175	4.0 - 9.0 % of mass 174	7.3	(6.9)1
176	93.0 - 101.0% of mass 174	102.8	(97.6)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
	CCVIS 200-74743/2	8499_002.d	07/10/2014	11:48
	LCS 200-74743/3	8499_003.d	07/10/2014	12:37
	MB 200-74743/4	8499_004.d	07/10/2014	13:26
4324	200-23111-11	8499_006.d	07/10/2014	15:43

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-23114-1

SDG No.:

Lab File ID: 8058_001.d BFB Injection Date: 06/14/2014

Instrument ID: CHW.i BFB Injection Time: 06:27

Analysis Batch No.: 73568

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	13.5	
75	30.0 - 66.0% of mass 95	42.4	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	6.9	
173	Less than 2.0% of mass 174	0.5	(0.4)1
174	50.0 - 120.0% of mass 95	107.0	
175	4.0 - 9.0 % of mass 174	7.6	(7.1)1
176	93.0 - 101.0% of mass 174	105.6	(98.7)1
177	5.0 - 9.0% of mass 176	7.0	(6.6)2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 200-73568/5	8058_005.d	06/14/2014	09:46
	IC 200-73568/6	8058_006.d	06/14/2014	10:36
	ICIS 200-73568/7	8058_007.d	06/14/2014	11:26
	IC 200-73568/8	8058_008.d	06/14/2014	12:16
	IC 200-73568/9	8058_009.d	06/14/2014	13:06
	IC 200-73568/10	8058_010.d	06/14/2014	13:56
	IC 200-73568/16	8058_016.d	06/14/2014	23:41
	IC 200-73568/17	8058_017.d	06/15/2014	00:33
	ICV 200-73568/19	8058_019.d	06/15/2014	02:11

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-23114-1

SDG No.:

Lab File ID: 8499_001.d BFB Injection Date: 07/10/2014

Instrument ID: CHW.i BFB Injection Time: 10:45

Analysis Batch No.: 74743

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	13.5	
75	30.0 - 66.0% of mass 95	42.8	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	6.8	
173	Less than 2.0% of mass 174	0.5	(0.5)1
174	50.0 - 120.0% of mass 95	105.3	
175	4.0 - 9.0 % of mass 174	7.3	(6.9)1
176	93.0 - 101.0% of mass 174	102.8	(97.6)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
	CCVIS 200-74743/2	8499_002.d	07/10/2014	11:48
	LCS 200-74743/3	8499_003.d	07/10/2014	12:37
	MB 200-74743/4	8499_004.d	07/10/2014	13:26
5129	200-23114-12	8499_005.d	07/10/2014	14:36

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-23144-1

SDG No.:

Lab File ID: 8394_001.D BFB Injection Date: 07/02/2014

Instrument ID: CHG.i BFB Injection Time: 15:15

Analysis Batch No.: 74492

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	11.2	
75	30.0 - 66.0% of mass 95	38.9	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	6.9	
173	Less than 2.0% of mass 174	0.5	(0.4)1
174	50.0 - 120.0% of mass 95	113.8	
175	4.0 - 9.0 % of mass 174	8.0	(7.0)1
176	93.0 - 101.0% of mass 174	112.4	(98.8)1
177	5.0 - 9.0% of mass 176	7.5	(6.7)2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 200-74492/3	8394_003.D	07/02/2014	16:53
	IC 200-74492/4	8394_004.D	07/02/2014	17:44
	IC 200-74492/5	8394_005.D	07/02/2014	18:35
	IC 200-74492/6	8394_006.D	07/02/2014	19:26
	ICIS 200-74492/7	8394_007.D	07/02/2014	20:17
	IC 200-74492/8	8394_008.D	07/02/2014	21:08
	IC 200-74492/9	8394_009.D	07/02/2014	21:59
	IC 200-74492/10	8394_010.D	07/02/2014	22:50
	ICV 200-74492/13	8394_013.D	07/03/2014	01:24

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-23144-1

SDG No.:

Lab File ID: 8512_001.D BFB Injection Date: 07/11/2014

Instrument ID: CHG.i BFB Injection Time: 09:53

Analysis Batch No.: 74788

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	10.6	
75	30.0 - 66.0% of mass 95	38.2	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	6.9	
173	Less than 2.0% of mass 174	0.5	(0.4)1
174	50.0 - 120.0% of mass 95	118.1	
175	4.0 - 9.0 % of mass 174	8.2	(7.0)1
176	93.0 - 101.0% of mass 174	118.0	(99.9)1
177	5.0 - 9.0% of mass 176	7.7	(6.5)2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 200-74788/2	8512_002.D	07/11/2014	10:42
	LCS 200-74788/3	8512_003.D	07/11/2014	11:33
	MB 200-74788/4	8512_004.D	07/11/2014	12:24
4820	200-23144-2	8512_007.D	07/11/2014	15:04

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

Lab Name: TestAmerica Burlington Job No.: 200-23084-1

SDG No.:

Sample No.: ICIS 200-74492/7 Date Analyzed: 07/02/2014 20:17

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

Lab File ID (Standard): 8394_007.D Heated Purge: (Y/N) N

Calibration ID: 27459

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		736541	10.43	4220208	12.44	4976595	18.61
UPPER LIMIT		1031157	10.76	5908291	12.77	6967233	18.94
LOWER LIMIT		441925	10.10	2532125	12.11	2985957	18.28
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 200-74492/13		781655	10.44	4558559	12.44	5388793	18.62

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

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO-15

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

Lab Name: TestAmerica Burlington Job No.: 200-23084-1

SDG No.:

Sample No.: CCVIS 200-74747/2 Date Analyzed: 07/10/2014 11:47

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

Lab File ID (Standard): 8501_002.D Heated Purge: (Y/N) N

Calibration ID: 27459

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		670989	10.42	3918400	12.44	4965900	18.60
UPPER LIMIT		939385	10.75	5485760	12.77	6952260	18.93
LOWER LIMIT		402593	10.09	2351040	12.11	2979540	18.27
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 200-74747/3		676551	10.42	3955574	12.43	5131353	18.60
MB 200-74747/4		687257	10.42	4027213	12.43	5135744	18.60
200-23084-7	2573	676880	10.42	3991496	12.43	4965517	18.60

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

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO-15

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

Lab Name: TestAmerica Burlington Job No.: 200-23111-1

SDG No.:

Sample No.: ICIS 200-73568/7 Date Analyzed: 06/14/2014 11:26

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

Lab File ID (Standard): 8058_007.d Heated Purge: (Y/N) N

Calibration ID: 27113

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		621706	12.86	3022390	14.74	2781609	20.43
UPPER LIMIT		870388	13.19	4231346	15.07	3894253	20.76
LOWER LIMIT		373024	12.53	1813434	14.41	1668965	20.10
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 200-73568/19		662374	12.86	3213738	14.74	2947455	20.43

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

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO-15

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

Lab Name: TestAmerica Burlington Job No.: 200-23111-1

SDG No.:

Sample No.: CCVIS 200-74743/2 Date Analyzed: 07/10/2014 11:48

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

Lab File ID (Standard): 8499_002.d Heated Purge: (Y/N) N

Calibration ID: 27113

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		443776	12.85	2146719	14.73	2000038	20.43
UPPER LIMIT		621286	13.18	3005407	15.06	2800053	20.76
LOWER LIMIT		266266	12.52	1288031	14.40	1200023	20.10
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 200-74743/3		478337	12.85	2319245	14.73	2132643	20.43
MB 200-74743/4		487198	12.85	2386131	14.73	2124767	20.43
200-23111-11	4324	429250	12.84	2120182	14.73	1892204	20.43

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

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO-15

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

Lab Name: TestAmerica Burlington Job No.: 200-23114-1

SDG No.:

Sample No.: ICIS 200-73568/7 Date Analyzed: 06/14/2014 11:26

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

Lab File ID (Standard): 8058_007.d Heated Purge: (Y/N) N

Calibration ID: 27113

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		621706	12.86	3022390	14.74	2781609	20.43
UPPER LIMIT		870388	13.19	4231346	15.07	3894253	20.76
LOWER LIMIT		373024	12.53	1813434	14.41	1668965	20.10
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 200-73568/19		662374	12.86	3213738	14.74	2947455	20.43

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

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO-15

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

Lab Name: TestAmerica Burlington Job No.: 200-23114-1

SDG No.:

Sample No.: CCVIS 200-74743/2 Date Analyzed: 07/10/2014 11:48

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

Lab File ID (Standard): 8499_002.d Heated Purge: (Y/N) N

Calibration ID: 27113

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		443776	12.85	2146719	14.73	2000038	20.43
UPPER LIMIT		621286	13.18	3005407	15.06	2800053	20.76
LOWER LIMIT		266266	12.52	1288031	14.40	1200023	20.10
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 200-74743/3		478337	12.85	2319245	14.73	2132643	20.43
MB 200-74743/4		487198	12.85	2386131	14.73	2124767	20.43
200-23114-12	5129	435575	12.85	2119220	14.73	1886544	20.43

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

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO-15

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

Lab Name: TestAmerica Burlington Job No.: 200-23144-1

SDG No.:

Sample No.: ICIS 200-74492/7 Date Analyzed: 07/02/2014 20:17

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

Lab File ID (Standard): 8394_007.D Heated Purge: (Y/N) N

Calibration ID: 27459

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		736541	10.43	4220208	12.44	4976595	18.61
UPPER LIMIT		1031157	10.76	5908291	12.77	6967233	18.94
LOWER LIMIT		441925	10.10	2532125	12.11	2985957	18.28
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 200-74492/13		781655	10.44	4558559	12.44	5388793	18.62

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

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO-15

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

Lab Name: TestAmerica Burlington Job No.: 200-23144-1

SDG No.:

Sample No.: CCVIS 200-74788/2 Date Analyzed: 07/11/2014 10:42

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

Lab File ID (Standard): 8512_002.D Heated Purge: (Y/N) N

Calibration ID: 27459

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		647001	10.42	3822370	12.43	5094417	18.60
UPPER LIMIT		905801	10.75	5351318	12.76	7132184	18.93
LOWER LIMIT		388201	10.09	2293422	12.10	3056650	18.27
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 200-74788/3		652300	10.42	3808018	12.43	5124662	18.60
MB 200-74788/4		664530	10.42	3899581	12.43	5113277	18.60
200-23144-2	4820	655223	10.42	3819108	12.43	4957753	18.60

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

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO-15

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

Lab Name: TestAmerica Burlington Job No.: 200-23084-1

SDG No.:

Client Sample ID: 2573 Lab Sample ID: 200-23084-7

Matrix: Air Lab File ID: 8501_006.D

Analysis Method: TO-15 Date Collected: 07/03/2014 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 07/10/2014 15:18

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.: 74747 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.: 200-23084-1

SDG No.:

Client Sample ID: 2573 Lab Sample ID: 200-23084-7

Matrix: Air Lab File ID: 8501_006.D

Analysis Method: TO-15 Date Collected: 07/03/2014 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 07/10/2014 15:18

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.: 74747 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.: 200-23084-1

SDG No.:

Client Sample ID: 2573 Lab Sample ID: 200-23084-7

Matrix: Air Lab File ID: 8501_006.D

Analysis Method: TO-15 Date Collected: 07/03/2014 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 07/10/2014 15:18

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.: 74747 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\20140710-8501.b\8501_006.D
Lims ID: 200-23084-A-7 Lab Sample ID: 200-23084-7
Client ID: 2573
Sample Type: Client
Inject. Date: 10-Jul-2014 15:18:30 ALS Bottle#: 7 Worklist Smp#: 6
Purge Vol: 200.000 mL Dil. Factor: 0.2000
Sample Info: 200-0008501-006
Misc. Info.: 23084-07
Operator ID: PAD Instrument ID: CHG.i

Method: \\BTV-LIMS1\ChromData\CHG.i\20140710-8501.b\TO15_LLNJ_TO3_G.m
Limit Group: AI_TO15_ICAL
Last Update: 11-Jul-2014 11:01:18 Calib Date: 02-Jul-2014 22:50:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHG.i\20140702-8394.b\8394_010.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK036

First Level Reviewer: daiglep Date: 11-Jul-2014 10:03:32

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
1 Propene	41		2.758				ND	
2 Dichlorodifluoromethane	85		2.833				ND	
6 Chlorodifluoromethane	51		2.886				ND	
7 1,2-Dichloro-1,1,2,2-tetra	85		3.105				ND	
8 Chloromethane	50		3.244				ND	
9 Butane	43		3.453				ND	
10 Vinyl chloride	62		3.501				ND	
11 Butadiene	54		3.582				ND	
12 Bromomethane	94		4.298				ND	
14 Chloroethane	64		4.555				ND	
16 Vinyl bromide	106		4.967				ND	
17 Trichlorofluoromethane	101		5.079				ND	
19 Ethanol	45		5.732				ND	
23 1,1,2-Trichloro-1,2,2-trif	101		6.235				ND	
24 1,1-Dichloroethene	96		6.267				ND	
25 Acetone	43		6.545				ND	
26 Carbon disulfide	76	6.652	6.652	0.000	86	15435	0.1464	
27 Isopropyl alcohol	45		6.882				ND	
29 3-Chloro-1-propene	41		7.118				ND	
31 Methylene Chloride	49		7.433				ND	
32 2-Methyl-2-propanol	59		7.695				ND	
33 Methyl tert-butyl ether	73		7.851				ND	
34 trans-1,2-Dichloroethene	61		7.877				ND	
36 Hexane	57	8.300	8.279	0.021	53	1729	0.0508	
37 1,1-Dichloroethane	63		8.803				ND	
38 Vinyl acetate	43		8.904				ND	
39 cis-1,2-Dichloroethene	96		9.948				ND	
40 2-Butanone (MEK)	72		10.017				ND	
42 Ethyl acetate	88		10.065				ND	
S 41 1,2-Dichloroethene, Total	61		10.200				0	
44 Tetrahydrofuran	42		10.408				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
* 43 Chlorobromomethane	128	10.418	10.424	-0.006	64	676880	10.0	
45 Chloroform	83		10.568				ND	
46 Cyclohexane	84		10.782				ND	
47 1,1,1-Trichloroethane	97		10.825				ND	
48 Carbon tetrachloride	117		11.071				ND	
51 Isooctane	57		11.531				ND	
50 Benzene	78	11.558	11.563	-0.005	1	1372	0.007773	
52 1,2-Dichloroethane	62		11.761				ND	
53 n-Heptane	43		11.932				ND	
* 54 1,4-Difluorobenzene	114	12.430	12.435	-0.005	90	3991496	10.0	
56 Trichloroethene	95		12.885				ND	
58 1,2-Dichloropropane	63		13.462				ND	
59 Methyl methacrylate	69		13.655				ND	
60 1,4-Dioxane	88		13.687				ND	
61 Dibromomethane	174		13.719				ND	
62 Dichlorobromomethane	83		14.035				ND	
64 cis-1,3-Dichloropropene	75		15.014				ND	
65 4-Methyl-2-pentanone (MIBK	43		15.335				ND	
66 Toluene	92	15.624	15.624	0.000	3	325	0.001430	
70 trans-1,3-Dichloropropene	75		16.260				ND	
71 1,1,2-Trichloroethane	83		16.645				ND	
72 Tetrachloroethene	166		16.726				ND	
73 2-Hexanone	43		17.116				ND	
74 Chlorodibromomethane	129		17.416				ND	
75 Ethylene Dibromide	107		17.694				ND	
* 76 Chlorobenzene-d5	117	18.603	18.603	0.000	78	4965517	10.0	
77 Chlorobenzene	112		18.668				ND	
78 Ethylbenzene	91		18.823				ND	
80 m-Xylene & p-Xylene	106		19.080				ND	
83 o-Xylene	106		19.930				ND	
84 Styrene	104		19.984				ND	
S 82 Xylenes, Total	106		20.100				0	
85 Bromoform	173		20.401				ND	
86 Isopropylbenzene	105		20.615				ND	
* 87 4-Bromofluorobenzene	95	20.979	20.979	0.000	96	2882957	10.0	
88 1,1,2,2-Tetrachloroethane	83		21.268				ND	
90 N-Propylbenzene	91		21.332				ND	
91 4-Ethyltoluene	105		21.519				ND	
92 2-Chlorotoluene	91		21.524				ND	
94 1,3,5-Trimethylbenzene	105		21.626				ND	
96 tert-Butylbenzene	119		22.113				ND	
97 1,2,4-Trimethylbenzene	105		22.204				ND	
98 sec-Butylbenzene	105		22.434				ND	
99 4-Isopropyltoluene	119		22.632				ND	
100 1,3-Dichlorobenzene	146		22.659				ND	
101 1,4-Dichlorobenzene	146		22.792				ND	
102 Benzyl chloride	91		22.996				ND	
103 n-Butylbenzene	91		23.199				ND	
105 1,2-Dichlorobenzene	146		23.327				ND	
107 1,2,4-Trichlorobenzene	180		25.820				ND	
108 Hexachlorobutadiene	225		25.997				ND	
109 Naphthalene	128		26.312				ND	

QC Flag Legend

Processing Flags
ND - Not Detected or Marked ND

Reagents:

ATTO15GIS_00009 Amount Added: 20.00 Units: mL Run Reagent

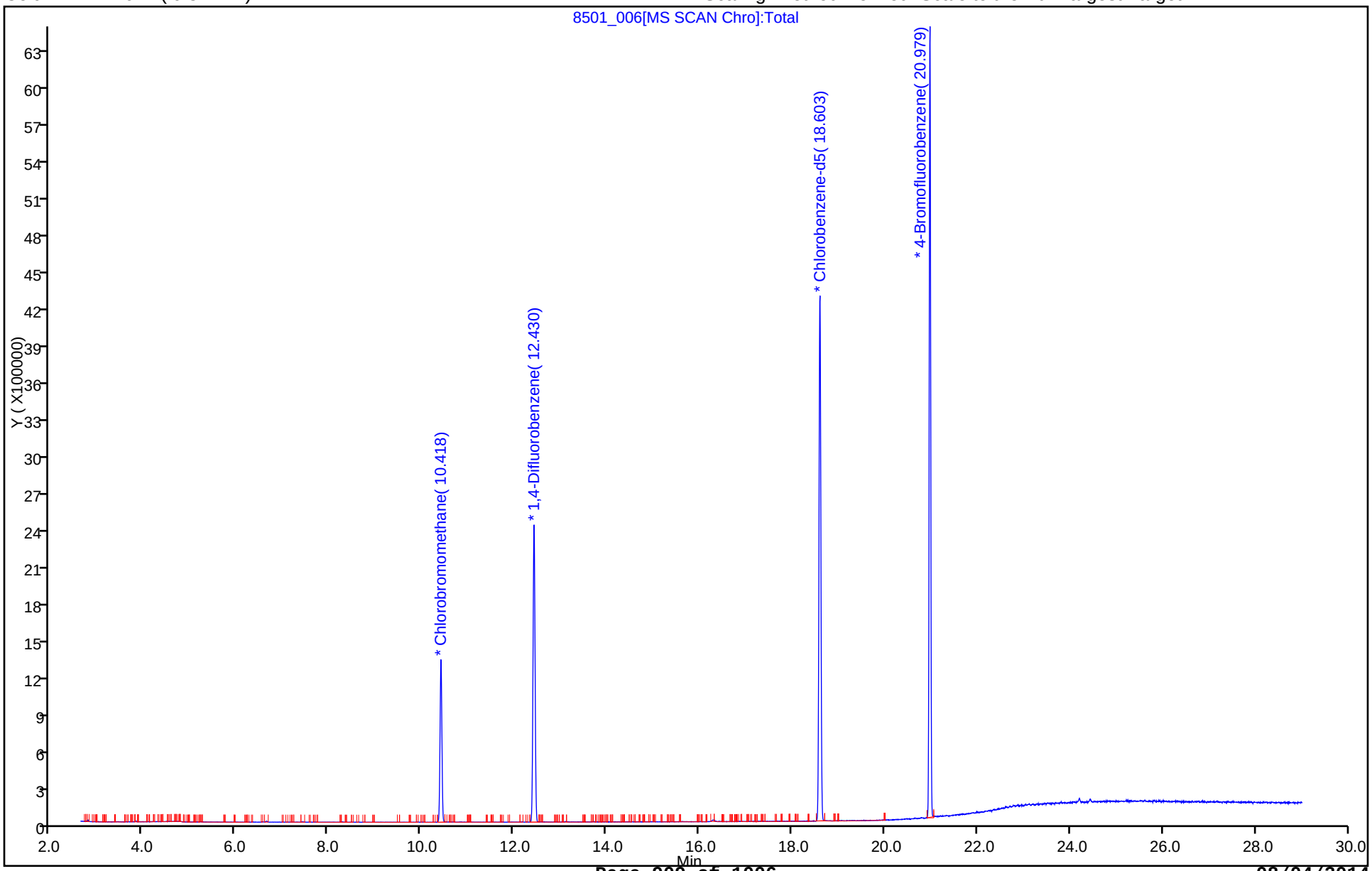
Report Date: 11-Jul-2014 11:01:23 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140710-8501.b\8501_006.D

Injection Date:	10-Jul-2014 15:18:30	Instrument ID:	CHG.i	Operator ID:	PAD
Lims ID:	200-23084-A-7	Lab Sample ID:	200-23084-7	Worklist Smp#:	6
Client ID:	2573				
Purge Vol:	200.000 mL	Dil. Factor:	0.2000	ALS Bottle#:	7
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 I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-23111-1

SDG No.:

Client Sample ID: 4324 Lab Sample ID: 200-23111-11

Matrix: Air Lab File ID: 8499_006.d

Analysis Method: TO-15 Date Collected: 07/08/2014 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 07/10/2014 15:43

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.: 74743 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.: 200-23111-1

SDG No.:

Client Sample ID: 4324 Lab Sample ID: 200-23111-11

Matrix: Air Lab File ID: 8499_006.d

Analysis Method: TO-15 Date Collected: 07/08/2014 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 07/10/2014 15:43

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.: 74743 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.: 200-23111-1

SDG No.:

Client Sample ID: 4324 Lab Sample ID: 200-23111-11

Matrix: Air Lab File ID: 8499_006.d

Analysis Method: TO-15 Date Collected: 07/08/2014 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 07/10/2014 15:43

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.: 74743 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\CHW.i\20140710-8499.b\8499_006.d
Lims ID: 200-23111-A-11 Lab Sample ID: 200-23111-11
Client ID: 4324
Sample Type: Client
Inject. Date: 10-Jul-2014 15:43:30 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 200.000 mL Dil. Factor: 0.2000
Sample Info: 200-0008499-006
Misc. Info.: 200-23111-A-5
Operator ID: bl Instrument ID: CHW.i

Method: \\BTV-LIMS1\ChromData\CHW.i\20140710-8499.b\TO15_LLNJ_TO3_W_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 10-Jul-2014 16:24:28 Calib Date: 15-Jun-2014 00:33:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20140613-8058.b\8058_017.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK037

First Level Reviewer: lyonsb Date: 10-Jul-2014 16:24:21

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
1 Propene	41	4.397	4.392	0.005	95	9223	0.2925	
2 Dichlorodifluoromethane	85		4.483				ND	
6 Chlorodifluoromethane	51		4.547				ND	
7 1,2-Dichloro-1,1,2,2-tetra	85		4.831				ND	
8 Chloromethane	50		5.029				ND	
9 Butane	43		5.291				ND	
10 Vinyl chloride	62		5.344				ND	
11 Butadiene	54		5.446				ND	
12 Bromomethane	94		6.313				ND	
14 Chloroethane	64		6.596				ND	
16 Vinyl bromide	106		7.072				ND	
17 Trichlorofluoromethane	101		7.190				ND	
19 Ethanol	45		7.794				ND	
23 1,1,2-Trichloro-1,2,2-trif	101		8.436				ND	
24 1,1-Dichloroethene	96		8.511				ND	
25 Acetone	43		8.736				ND	
26 Carbon disulfide	76	9.003	8.998	0.005	90	12657	0.0976	
27 Isopropyl alcohol	45		9.025				ND	
29 3-Chloro-1-propene	41		9.394				ND	
31 Methylene Chloride	49		9.726				ND	
32 2-Methyl-2-propanol	59		9.892				ND	
33 Methyl tert-butyl ether	73		10.148				ND	
S 41 1,2-Dichloroethene, Total	61		10.200				0	
34 trans-1,2-Dichloroethene	61		10.223				ND	
36 Hexane	57		10.635				ND	
37 1,1-Dichloroethane	63		11.186				ND	
38 Vinyl acetate	43		11.224				ND	
39 cis-1,2-Dichloroethene	96		12.363				ND	
40 2-Butanone (MEK)	72		12.374				ND	
42 Ethyl acetate	88		12.401				ND	
44 Tetrahydrofuran	42		12.839				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
* 43 Chlorobromomethane	128	12.844	12.845	-0.001	74	429250	10.0	
45 Chloroform	83		12.957				ND	
46 Cyclohexane	84		13.257				ND	
47 1,1,1-Trichloroethane	97		13.267				ND	
48 Carbon tetrachloride	117		13.519				ND	
51 Isooctane	57		13.909				ND	
50 Benzene	78		13.973				ND	
52 1,2-Dichloroethane	62		14.134				ND	
53 n-Heptane	43		14.257				ND	
* 54 1,4-Difluorobenzene	114	14.727	14.728	-0.001	92	2120182	10.0	
56 Trichloroethene	95		15.193				ND	
58 1,2-Dichloropropane	63		15.712				ND	
59 Methyl methacrylate	69		15.792				ND	
60 1,4-Dioxane	88		15.889				ND	
61 Dibromomethane	174		15.958				ND	
62 Dichlorobromomethane	83		16.204				ND	
64 cis-1,3-Dichloropropene	75		17.071				ND	
65 4-Methyl-2-pentanone (MIBK	43		17.296				ND	
66 Toluene	92		17.643				ND	
70 trans-1,3-Dichloropropene	75		18.173				ND	
71 1,1,2-Trichloroethane	83		18.542				ND	
72 Tetrachloroethene	166		18.681				ND	
73 2-Hexanone	43		18.927				ND	
74 Chlorodibromomethane	129		19.296				ND	
75 Ethylene Dibromide	107		19.580				ND	
S 82 Xylenes, Total	106		20.100				0	
* 76 Chlorobenzene-d5	117	20.425	20.425	0.000	80	1892204	10.0	
77 Chlorobenzene	112		20.484				ND	
78 Ethylbenzene	91		20.596				ND	
80 m-Xylene & p-Xylene	106		20.810				ND	
83 o-Xylene	106		21.527				ND	
84 Styrene	104		21.565				ND	
85 Bromoform	173		21.944				ND	
86 Isopropylbenzene	105		22.094				ND	
$ 87 4-Bromofluorobenzene	95	22.431	22.431	0.000	98	1192087	NC	
88 1,1,2,2-Tetrachloroethane	83		22.656				ND	
90 N-Propylbenzene	91		22.725				ND	
91 4-Ethyltoluene	105		22.891				ND	
92 2-Chlorotoluene	91		22.929				ND	
94 1,3,5-Trimethylbenzene	105		22.982				ND	
96 tert-Butylbenzene	119		23.458				ND	
97 1,2,4-Trimethylbenzene	105		23.555				ND	
98 sec-Butylbenzene	105		23.790				ND	
99 4-Isopropyltoluene	119		23.993				ND	
100 1,3-Dichlorobenzene	146		24.063				ND	
101 1,4-Dichlorobenzene	146		24.207				ND	
102 Benzyl chloride	91		24.416				ND	
103 n-Butylbenzene	91		24.630				ND	
105 1,2-Dichlorobenzene	146		24.812				ND	
107 1,2,4-Trichlorobenzene	180		27.701				ND	
108 Hexachlorobutadiene	225		27.899				ND	
109 Naphthalene	128		28.284				ND	

QC Flag Legend

Processing Flags
NC - Not Calibrated
ND - Not Detected or Marked ND

Reagents:

ATTO15WISs_00003 Amount Added: 20.00 Units: mL Run Reagent

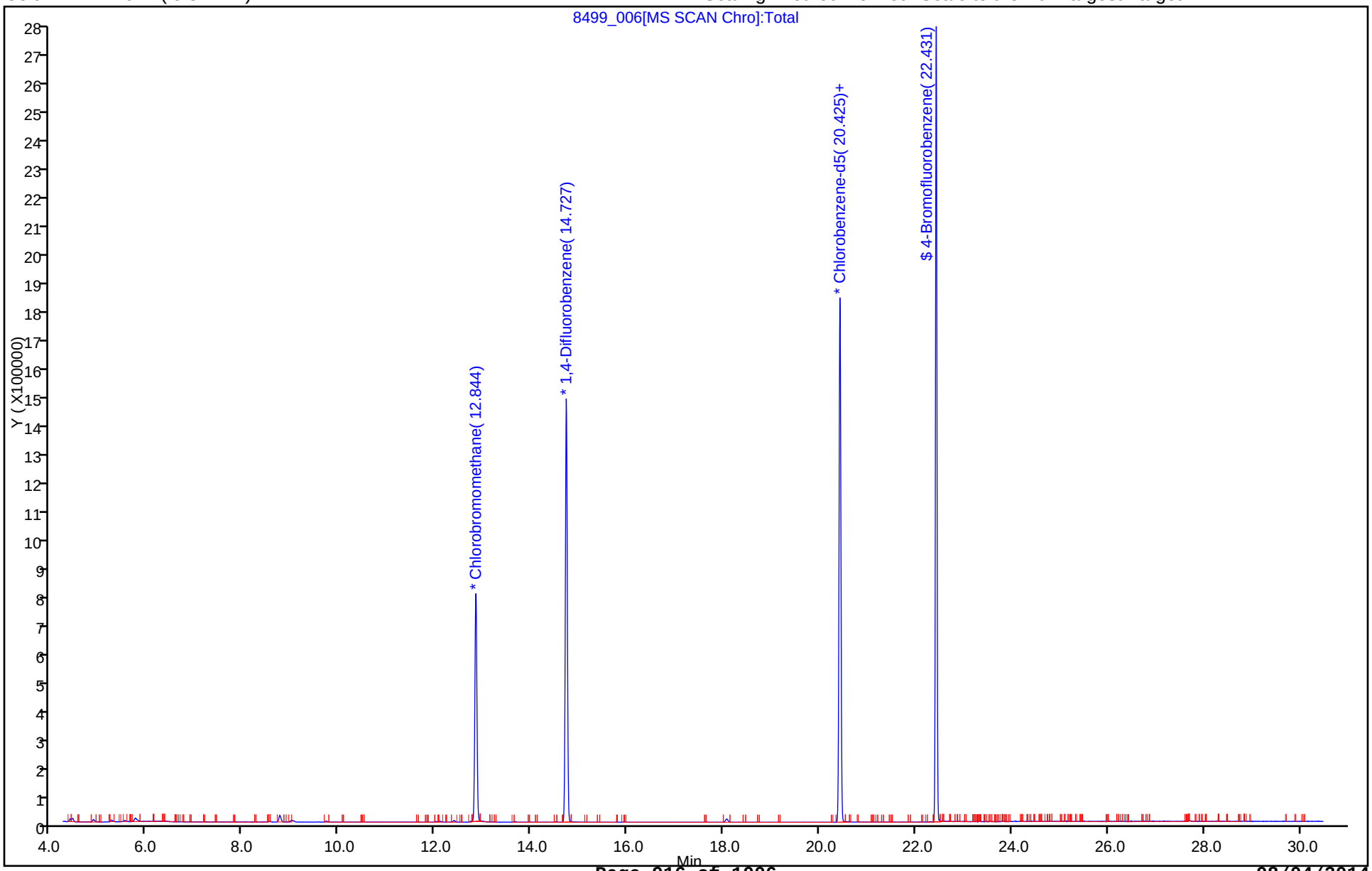
Report Date: 10-Jul-2014 16:24:28 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140710-8499.b\8499_006.d

Injection Date:	10-Jul-2014 15:43:30	Instrument ID:	CHW.i	Operator ID:	bl
Lims ID:	200-23111-A-11	Lab Sample ID:	200-23111-11	Worklist Smp#:	6
Client ID:	4324				
Purge Vol:	200.000 mL	Dil. Factor:	0.2000	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



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

Lab Name: TestAmerica Burlington Job No.: 200-23114-1

SDG No.:

Client Sample ID: 5129 Lab Sample ID: 200-23114-12

Matrix: Air Lab File ID: 8499_005.d

Analysis Method: TO-15 Date Collected: 07/09/2014 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 07/10/2014 14:36

Soil Aliquot Vol: Dilution Factor: 0.2

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 74743 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.: 200-23114-1

SDG No.:

Client Sample ID: 5129 Lab Sample ID: 200-23114-12

Matrix: Air Lab File ID: 8499_005.d

Analysis Method: TO-15 Date Collected: 07/09/2014 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 07/10/2014 14:36

Soil Aliquot Vol: Dilution Factor: 0.2

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 74743 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.: 200-23114-1

SDG No.:

Client Sample ID: 5129 Lab Sample ID: 200-23114-12

Matrix: Air Lab File ID: 8499_005.d

Analysis Method: TO-15 Date Collected: 07/09/2014 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 07/10/2014 14:36

Soil Aliquot Vol: Dilution Factor: 0.2

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 74743 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\CHW.i\20140710-8499.b\8499_005.d
Lims ID: 200-23114-A-12 Lab Sample ID: 200-23114-12
Client ID: 5129
Sample Type: Client
Inject. Date: 10-Jul-2014 14:36:30 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 200.000 mL Dil. Factor: 0.2000
Sample Info: 200-0008499-005
Misc. Info.: 200-23114-A-12
Operator ID: bl Instrument ID: CHW.i

Method: \\BTV-LIMS1\ChromData\CHW.i\20140710-8499.b\TO15_LLNJ_TO3_W_(v1).m
Limit Group: AI_TO15_ICAL
Last Update: 10-Jul-2014 15:37:38 Calib Date: 15-Jun-2014 00:33:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20140613-8058.b\8058_017.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK026

First Level Reviewer: desjardinsb Date: 10-Jul-2014 15:37:38

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
1 Propene	41		4.392				0	
2 Dichlorodifluoromethane	85		4.483				0	
6 Chlorodifluoromethane	51		4.547				0	
7 1,2-Dichloro-1,1,2,2-tetra	85		4.831				ND	
8 Chloromethane	50		5.029				0	
9 Butane	43		5.291				0	
10 Vinyl chloride	62		5.344				ND	
11 Butadiene	54		5.446				ND	
12 Bromomethane	94		6.313				ND	
14 Chloroethane	64		6.596				ND	
16 Vinyl bromide	106		7.072				ND	
17 Trichlorofluoromethane	101		7.190				ND	
19 Ethanol	45		7.794				0	
23 1,1,2-Trichloro-1,2,2-trif	101		8.436				ND	
24 1,1-Dichloroethene	96		8.511				ND	
25 Acetone	43		8.736				0	
26 Carbon disulfide	76		8.998				0	
27 Isopropyl alcohol	45		9.025				0	
29 3-Chloro-1-propene	41		9.394				ND	
31 Methylene Chloride	49		9.726				0	
32 2-Methyl-2-propanol	59		9.892				ND	
33 Methyl tert-butyl ether	73		10.148				ND	
S 41 1,2-Dichloroethene, Total	61		10.200				0	
34 trans-1,2-Dichloroethene	61		10.223				ND	
36 Hexane	57		10.635				ND	
37 1,1-Dichloroethane	63		11.186				ND	
38 Vinyl acetate	43		11.224				ND	
39 cis-1,2-Dichloroethene	96		12.363				ND	
40 2-Butanone (MEK)	72		12.374				0	
42 Ethyl acetate	88		12.401				ND	
44 Tetrahydrofuran	42		12.839				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
* 43 Chlorobromomethane	128	12.845	12.845	0.000	73	435575	10.0	
45 Chloroform	83		12.957				ND	
46 Cyclohexane	84		13.257				ND	
47 1,1,1-Trichloroethane	97		13.267				ND	
48 Carbon tetrachloride	117		13.519				ND	
51 Isooctane	57		13.909				ND	
50 Benzene	78		13.973				ND	
52 1,2-Dichloroethane	62		14.134				ND	
53 n-Heptane	43		14.257				ND	
* 54 1,4-Difluorobenzene	114	14.728	14.728	0.000	92	2119220	10.0	
56 Trichloroethene	95		15.193				0	
58 1,2-Dichloropropane	63		15.712				ND	
59 Methyl methacrylate	69		15.792				ND	
60 1,4-Dioxane	88		15.889				0	
61 Dibromomethane	174		15.958				0	
62 Dichlorobromomethane	83		16.204				ND	
64 cis-1,3-Dichloropropene	75		17.071				ND	
65 4-Methyl-2-pentanone (MIBK	43		17.296				ND	
66 Toluene	92		17.643				ND	
70 trans-1,3-Dichloropropene	75		18.173				ND	
71 1,1,2-Trichloroethane	83		18.542				ND	
72 Tetrachloroethene	166		18.681				ND	
73 2-Hexanone	43		18.927				0	
74 Chlorodibromomethane	129		19.296				ND	
75 Ethylene Dibromide	107		19.580				0	
S 82 Xylenes, Total	106		20.100				0	
* 76 Chlorobenzene-d5	117	20.425	20.425	0.000	80	1886544	10.0	
77 Chlorobenzene	112		20.484				0	
78 Ethylbenzene	91		20.596				ND	
80 m-Xylene & p-Xylene	106		20.810				ND	
83 o-Xylene	106		21.527				ND	
84 Styrene	104		21.565				0	
85 Bromoform	173		21.944				ND	
86 Isopropylbenzene	105		22.094				0	
$ 87 4-Bromofluorobenzene	95	22.431	22.431	0.000	97	1172296	NC	
88 1,1,2,2-Tetrachloroethane	83	22.656	22.656	0.000	72	5243	0.0358	
90 N-Propylbenzene	91		22.725				0	
91 4-Ethyltoluene	105		22.891				0	
92 2-Chlorotoluene	91		22.929				0	
94 1,3,5-Trimethylbenzene	105		22.982				0	
96 tert-Butylbenzene	119		23.458				0	
97 1,2,4-Trimethylbenzene	105		23.555				0	
98 sec-Butylbenzene	105		23.790				0	
99 4-Isopropyltoluene	119		23.993				0	
100 1,3-Dichlorobenzene	146	24.063	24.063	0.000	61	3424	0.0163	
101 1,4-Dichlorobenzene	146	24.213	24.207	0.006	50	3525	0.0171	
102 Benzyl chloride	91		24.416				0	
103 n-Butylbenzene	91		24.630				0	
105 1,2-Dichlorobenzene	146	24.812	24.812	0.000	57	3378	0.0165	
107 1,2,4-Trichlorobenzene	180	27.695	27.701	-0.006	35	6425	0.0386	
108 Hexachlorobutadiene	225		27.899				0	
109 Naphthalene	128		28.284				0	

QC Flag Legend

Processing Flags
NC - Not Calibrated
ND - Not Detected or Marked ND

Reagents:

ATTO15WISs_00003 Amount Added: 20.00 Units: mL Run Reagent

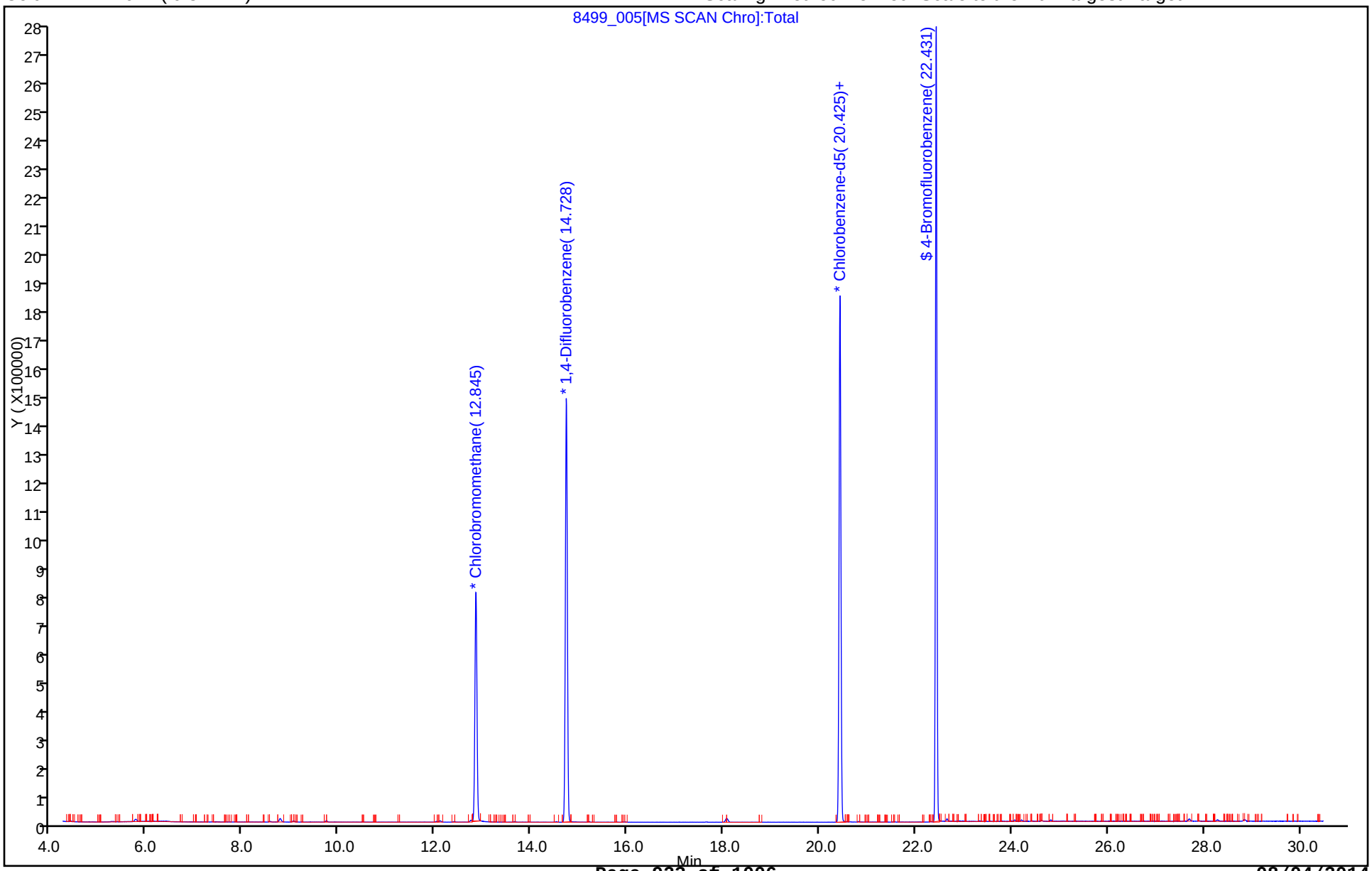
Report Date: 10-Jul-2014 15:37:38 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140710-8499.b\8499_005.d

Injection Date:	10-Jul-2014 14:36:30	Instrument ID:	CHW.i	Operator ID:	bl
Lims ID:	200-23114-A-12	Lab Sample ID:	200-23114-12	Worklist Smp#:	5
Client ID:	5129				
Purge Vol:	200.000 mL	Dil. Factor:	0.2000	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



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

Lab Name: TestAmerica Burlington Job No.: 200-23144-1

SDG No.:

Client Sample ID: 4820 Lab Sample ID: 200-23144-2

Matrix: Air Lab File ID: 8512_007.D

Analysis Method: TO-15 Date Collected: 07/10/2014 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 07/11/2014 15:04

Soil Aliquot Vol: Dilution Factor: 0.2

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 74788 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.: 200-23144-1

SDG No.:

Client Sample ID: 4820 | Lab Sample ID: 200-23144-2

Matrix: Air | Lab File ID: 8512_007.D

Analysis Method: TO-15 | Date Collected: 07/10/2014 00:00

Sample wt/vol: 1000(mL) | Date Analyzed: 07/11/2014 15:04

Soil Aliquot Vol: | Dilution Factor: 0.2

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

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

Analysis Batch No.: 74788 | 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.: 200-23144-1

SDG No.:

Client Sample ID: 4820 Lab Sample ID: 200-23144-2

Matrix: Air Lab File ID: 8512_007.D

Analysis Method: TO-15 Date Collected: 07/10/2014 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 07/11/2014 15:04

Soil Aliquot Vol: Dilution Factor: 0.2

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 74788 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\20140711-8512.b\8512_007.D
Lims ID: 200-23144-A-2 Lab Sample ID: 200-23144-2
Client ID: 4820
Sample Type: Client
Inject. Date: 11-Jul-2014 15:04:30 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 200.000 mL Dil. Factor: 0.2000
Sample Info: 200-0008512-007
Misc. Info.: 23144-02
Operator ID: PAD Instrument ID: CHG.i

Method: \\BTV-LIMS1\ChromData\CHG.i\20140711-8512.b\TO15_LLNJ_TO3_G.m
Limit Group: AI_TO15_ICAL
Last Update: 14-Jul-2014 12:03:37 Calib Date: 02-Jul-2014 22:50:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHG.i\20140702-8394.b\8394_010.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK026

First Level Reviewer: desjardinsb Date: 11-Jul-2014 15:52:07

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
1 Propene	41		2.758				0	
2 Dichlorodifluoromethane	85		2.833				0	
6 Chlorodifluoromethane	51		2.886				0	
7 1,2-Dichloro-1,1,2,2-tetra	85		3.105				ND	
8 Chloromethane	50		3.250				0	
9 Butane	43		3.453				0	
10 Vinyl chloride	62		3.501				ND	
11 Butadiene	54		3.581				0	
12 Bromomethane	94		4.298				ND	
14 Chloroethane	64		4.560				ND	
16 Vinyl bromide	106		4.972				ND	
17 Trichlorofluoromethane	101		5.079				ND	
19 Ethanol	45		5.732				0	
23 1,1,2-Trichloro-1,2,2-trif	101		6.235				ND	
24 1,1-Dichloroethene	96		6.267				ND	
25 Acetone	43		6.551				0	
26 Carbon disulfide	76		6.652				0	
27 Isopropyl alcohol	45		6.877				0	
29 3-Chloro-1-propene	41		7.118				0	
31 Methylene Chloride	49		7.428				0	
32 2-Methyl-2-propanol	59		7.701				ND	
33 Methyl tert-butyl ether	73		7.851				ND	
34 trans-1,2-Dichloroethene	61		7.877				ND	
36 Hexane	57		8.284				ND	
37 1,1-Dichloroethane	63		8.797				ND	
38 Vinyl acetate	43		8.899				ND	
39 cis-1,2-Dichloroethene	96		9.948				ND	
40 2-Butanone (MEK)	72		10.017				ND	
42 Ethyl acetate	88		10.060				ND	
S 41 1,2-Dichloroethene, Total	61		10.200				0	
44 Tetrahydrofuran	42		10.413				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
* 43 Chlorobromomethane	128	10.418	10.424	-0.006	64	655223	10.0	
45 Chloroform	83		10.563				ND	
46 Cyclohexane	84		10.777				ND	
47 1,1,1-Trichloroethane	97		10.825				ND	
48 Carbon tetrachloride	117		11.071				ND	
51 Isooctane	57		11.526				ND	
50 Benzene	78		11.558				ND	
52 1,2-Dichloroethane	62		11.761				ND	
53 n-Heptane	43		11.932				ND	
* 54 1,4-Difluorobenzene	114	12.430	12.430	0.000	90	3819108	10.0	
56 Trichloroethene	95		12.879				ND	
58 1,2-Dichloropropane	63		13.457				ND	
59 Methyl methacrylate	69		13.650				ND	
60 1,4-Dioxane	88		13.692				ND	
61 Dibromomethane	174		13.719				0	
62 Dichlorobromomethane	83		14.029				ND	
64 cis-1,3-Dichloropropene	75		15.008				0	
65 4-Methyl-2-pentanone (MIBK	43		15.329				ND	
66 Toluene	92		15.618				ND	
70 trans-1,3-Dichloropropene	75		16.260				0	
71 1,1,2-Trichloroethane	83		16.640				ND	
72 Tetrachloroethene	166		16.726				0	
73 2-Hexanone	43		17.116				0	
74 Chlorodibromomethane	129		17.416				ND	
75 Ethylene Dibromide	107		17.689				0	
* 76 Chlorobenzene-d5	117	18.598	18.603	-0.005	80	4957753	10.0	
77 Chlorobenzene	112		18.662				0	
78 Ethylbenzene	91		18.823				ND	
80 m-Xylene & p-Xylene	106		19.074				ND	
83 o-Xylene	106		19.925				ND	
84 Styrene	104		19.984				ND	
S 82 Xylenes, Total	106		20.100				0	
85 Bromoform	173		20.401				ND	
86 Isopropylbenzene	105		20.610				0	
* 87 4-Bromofluorobenzene	95	20.973	20.973	0.000	97	2869732	10.0	
88 1,1,2,2-Tetrachloroethane	83		21.262				0	
90 N-Propylbenzene	91		21.326				0	
91 4-Ethyltoluene	105		21.519				0	
92 2-Chlorotoluene	91		21.524				0	
94 1,3,5-Trimethylbenzene	105		21.626				0	
96 tert-Butylbenzene	119		22.108				0	
97 1,2,4-Trimethylbenzene	105		22.204				0	
98 sec-Butylbenzene	105		22.428				0	
99 4-Isopropyltoluene	119		22.632				0	
100 1,3-Dichlorobenzene	146		22.659				0	
101 1,4-Dichlorobenzene	146		22.792				0	
102 Benzyl chloride	91		22.990				0	
103 n-Butylbenzene	91		23.199				0	
105 1,2-Dichlorobenzene	146		23.322				0	
107 1,2,4-Trichlorobenzene	180		25.815				0	
108 Hexachlorobutadiene	225		25.997				0	
109 Naphthalene	128		26.307				0	

QC Flag Legend

Processing Flags
ND - Not Detected or Marked ND

Reagents:

ATTO15GIS_00009	Amount Added:	20.00	Units: mL	Run Reagent

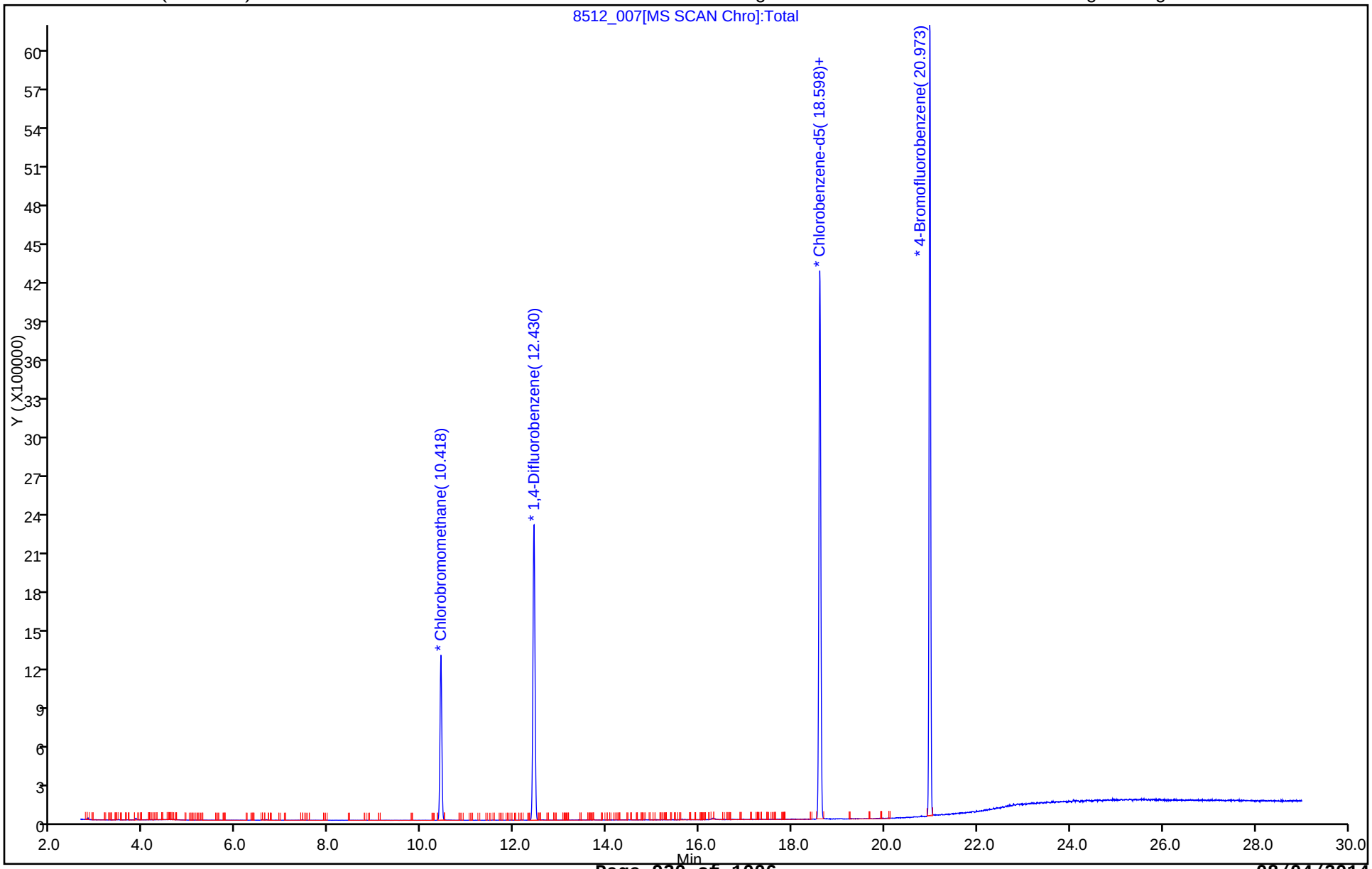
Report Date: 14-Jul-2014 12:03:44 Chrom Revision: 2.2 24-Jun-2014 07:21:42

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140711-8512.b\8512_007.D

Injection Date:	11-Jul-2014 15:04:30	Instrument ID:	CHG.i	Operator ID:	PAD
Lims ID:	200-23144-A-2	Lab Sample ID:	200-23144-2	Worklist Smp#:	7
Client ID:	4820				
Purge Vol:	200.000 mL	Dil. Factor:	0.2000	ALS Bottle#:	6
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 VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-23084-1 Analy Batch No.: 74492

SDG No.:

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

Calibration Start Date: 07/02/2014 16:53 Calibration End Date: 07/02/2014 22:50 Calibration ID: 27459

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-74492/3	8394_003.D
Level 2	IC 200-74492/4	8394_004.D
Level 3	IC 200-74492/5	8394_005.D
Level 4	IC 200-74492/6	8394_006.D
Level 5	ICIS 200-74492/7	8394_007.D
Level 6	IC 200-74492/8	8394_008.D
Level 7	IC 200-74492/9	8394_009.D
Level 8	IC 200-74492/10	8394_010.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Propylene	+++++ 0.2221	+++++ 0.2215	0.2768 0.2077	0.2438	0.2310	Ave		0.2338				10.0		30.0			
Dichlorodifluoromethane	+++++ 1.8362	+++++ 1.8186	2.0429 1.6439	2.0002	1.8861	Ave		1.8713				7.6		30.0			
Freon 22	+++++ 0.6990	+++++ 0.6988	0.7730 0.6423	0.7845	0.7217	Ave		0.7199				7.3		30.0			
1,2-Dichlorotetrafluoroethane	+++++ 1.5484	1.8886 1.5238	1.7738 1.3774	1.7231	1.6006	Ave		1.6337				11.0		30.0			
Chloromethane	+++++ 0.3486	+++++ 0.3462	0.3926 0.3266	0.3826	0.3588	Ave		0.3592				6.8		30.0			
n-Butane	+++++ 0.4296	+++++ 0.4310	0.5139 0.3995	0.4844	0.4446	Ave		0.4505				9.2		30.0			
Vinyl chloride	0.6601 0.4622	0.5456 0.4627	0.5177 0.4337	0.5132	0.4752	Ave		0.5088				14.0		30.0			
1,3-Butadiene	+++++ 0.2812	0.3467 0.2807	0.3205 0.2616	0.3095	0.2877	Ave		0.2983				9.7		30.0			
Bromomethane	+++++ 0.6697	0.8043 0.6713	0.7225 0.6224	0.7255	0.6845	Ave		0.7000				8.3		30.0			
Chloroethane	+++++ 0.1712	+++++ 0.1722	0.1948 0.1631	0.1827	0.1740	Ave		0.1763				6.2		30.0			
Isopentane	+++++ 0.2618	0.3163 0.2589	0.2983 0.2438	0.2881	0.2693	Ave		0.2766				9.1		30.0			
Bromoethene(Vinyl Bromide)	+++++ 0.8023	0.8782 0.7973	0.8322 0.7483	0.8588	0.8108	Ave		0.8183				5.3		30.0			
Trichlorofluoromethane	+++++ 2.0092	2.3216 1.9991	2.2060 1.8584	2.1850	2.0592	Ave		2.0912				7.4		30.0			
n-Pentane	+++++ 0.4409	+++++ 0.4386	0.5323 0.4134	0.4930	0.4573	Ave		0.4626				9.3		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Burlington Job No.: 200-23084-1 Analy Batch No.: 74492

SDG No.:

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

Calibration Start Date: 07/02/2014 16:53 Calibration End Date: 07/02/2014 22:50 Calibration ID: 27459

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Ethanol	+++++ 0.0987	+++++ 0.1196	0.1151 0.1036	0.1274	0.1017	Ave		0.1110				10.0		30.0			
Ethyl ether	+++++ 0.2305	0.2659 0.2333	0.2601 0.2205	0.2498	0.2387	Ave		0.2427				6.8		30.0			
Acrolein	+++++ 0.0991	+++++ 0.1051	+++++ 0.0901	0.1220	0.1018	Ave		0.1036				11.0		30.0			
Freon TF	+++++ 1.3183	1.4910 1.3097	1.4796 1.1963	1.4444	1.3595	Ave		1.3713				7.8		30.0			
1,1-Dichloroethene	+++++ 0.5667	0.6742 0.5674	0.6484 0.5215	0.6246	0.5873	Ave		0.5986				8.9		30.0			
Acetone	+++++ 0.4862	+++++ 0.4611	+++++ 0.4603	0.5204	0.5237	Ave		0.4904				6.3		30.0			
Carbon disulfide	+++++ 1.4275	+++++ 1.4350	2.1250 1.3500	1.5477	1.4619	Ave		1.5579				18.0		30.0			
Isopropyl alcohol	+++++ 0.4118	+++++ 0.3931	+++++ 0.4000	0.3944	0.4445	Ave		0.4088				5.2		30.0			
3-Chloropropene	+++++ 0.3514	0.4598 0.3588	0.4202 0.3342	0.3917	0.3585	Ave		0.3821				12.0		30.0			
Acetonitrile	+++++ 0.1938	+++++ 0.1858	+++++ 0.1858	0.2076	0.1982	Ave		0.1943				4.7		30.0			
Methylene Chloride	+++++ 0.4168	+++++ 0.4128	0.5094 0.3871	0.4633	0.4255	Ave		0.4358				10.0		30.0			
tert-Butyl alcohol	+++++ 0.7681	+++++ 0.7320	+++++ 0.7502	0.7194	0.8165	Ave		0.7572				5.0		30.0			
Methyl tert-butyl ether	+++++ 1.3262	1.4734 1.3303	1.4324 1.2467	1.4244	1.3454	Ave		1.3684				5.7		30.0			
trans-1,2-Dichloroethene	+++++ 0.6233	0.7348 0.6191	0.6746 0.5723	0.6828	0.6355	Ave		0.6489				8.2		30.0			
Acrylonitrile	+++++ 0.2364	+++++ 0.2363	0.2392 0.2266	0.2499	0.2392	Ave		0.2379				3.1		30.0			
n-Hexane	+++++ 0.4789	0.6062 0.4714	0.5187 0.4468	0.5137	0.4845	Ave		0.5029				10.0		30.0			
1,1-Dichloroethane	1.2649 0.8878	0.9770 0.8886	0.9375 0.8401	0.9476	0.9024	Ave		0.9557				14.0		30.0			
Vinyl acetate	+++++ 0.8599	+++++ 0.8687	+++++ 0.8131	0.9352	0.8681	Ave		0.8690				5.0		30.0			
cis-1,2-Dichloroethene	+++++ 0.8446	0.9592 0.8444	0.9232 0.7893	0.9063	0.8491	Ave		0.8737				6.7		30.0			
Methyl Ethyl Ketone	+++++ 0.2558	+++++ 0.2515	0.3148 0.2423	0.2812	0.2642	Ave		0.2683				9.8		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Burlington Job No.: 200-23084-1 Analy Batch No.: 74492

SDG No.:

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

Calibration Start Date: 07/02/2014 16:53 Calibration End Date: 07/02/2014 22:50 Calibration ID: 27459

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Ethyl acetate	+++++ 0.0404	+++++ 0.0397	+++++ 0.0374	0.0421	0.0399	Ave		0.0399				4.2		30.0			
Tetrahydrofuran	+++++ 0.0671	+++++ 0.0658	+++++ 0.0622	0.0747	0.0689	Ave		0.0677				6.8		30.0			
Chloroform	+++++ 1.7444	1.9658 1.7493	1.8747 1.6206	1.8887	1.7845	Ave		1.8040				6.4		30.0			
Cyclohexane	+++++ 0.1514	0.1814 0.1503	0.1666 0.1384	0.1713	0.1566	Ave		0.1594				9.1		30.0			
1,1,1-Trichloroethane	+++++ 0.3517	0.4009 0.3481	0.3910 0.3205	0.3979	0.3592	Ave		0.3670				8.2		30.0			
Carbon tetrachloride	0.6067 0.4643	0.5130 0.4605	0.4953 0.4255	0.5177	0.4730	Ave		0.4945				11.0		30.0			
2,2,4-Trimethylpentane	+++++ 0.4623	0.5469 0.4522	0.5208 0.4044	0.5373	0.4805	Ave		0.4864				11.0		30.0			
Benzene	+++++ 0.4083	0.5395 0.4003	0.4882 0.3595	0.4769	0.4229	Ave		0.4422				14.0		30.0			
1,2-Dichloroethane	+++++ 0.2003	0.2247 0.1987	0.2174 0.1863	0.2255	0.2046	Ave		0.2082				7.1		30.0			
n-Heptane	+++++ 0.1502	0.1873 0.1469	0.1771 0.1315	0.1762	0.1562	Ave		0.1608				12.0		30.0			
n-Butanol	+++++ 0.0604	+++++ 0.0622	+++++ 0.0557	0.0643	0.0681	Ave		0.0621				7.4		30.0			
Trichloroethene	0.4193 0.2918	0.3449 0.2858	0.3289 0.2559	0.3312	0.3007	Ave		0.3198				15.0		30.0			
1,2-Dichloropropane	+++++ 0.1978	0.2165 0.1956	0.2086 0.1778	0.2185	0.2019	Ave		0.2024				6.9		30.0			
Methyl methacrylate	+++++ 0.1819	+++++ 0.1791	0.1812 0.1628	0.1951	0.1838	Ave		0.1806				5.8		30.0			
1,4-Dioxane	+++++ 0.0986	+++++ 0.0907	+++++ 0.0851	0.1047	0.1063	Ave		0.0971				9.4		30.0			
Dibromomethane	+++++ 0.4443	0.4962 0.4427	0.4663 0.4054	0.4896	0.4493	Ave		0.4563				6.8		30.0			
Bromodichloromethane	+++++ 0.5574	0.5765 0.5567	0.5552 0.5111	0.6097	0.5633	Ave		0.5614				5.2		30.0			
cis-1,3-Dichloropropene	+++++ 0.3980	0.4173 0.3954	0.3526 0.3638	0.4404	0.4022	Ave		0.3957				7.6		30.0			
methyl isobutyl ketone	+++++ 0.3252	+++++ 0.3168	0.4373 0.2861	0.3678	0.3349	Ave		0.3447				15.0		30.0			
Toluene	+++++ 0.4491	0.4762 0.4404	0.4389 0.3901	0.5498	0.4594	Ave		0.4577				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.: 200-23084-1 Analy Batch No.: 74492

SDG No.:

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

Calibration Start Date: 07/02/2014 16:53 Calibration End Date: 07/02/2014 22:50 Calibration ID: 27459

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
n-Octane	+++++ 0.3103	0.3415 0.2989	0.3209 0.2534	0.3742	0.3255	Ave		0.3178				12.0		30.0			
trans-1,3-Dichloropropene	+++++ 0.4187	0.3935 0.4149	0.3695 0.3826	0.4620	0.4232	Ave		0.4092				7.5		30.0			
1,1,2-Trichloroethane	+++++ 0.2426	0.2379 0.2333	0.2292 0.2186	0.2903	0.2494	Ave		0.2430				9.5		30.0			
Tetrachloroethene	0.8181 0.5641	0.6107 0.5679	0.5901 0.5297	0.6613	0.5686	Ave		0.6138				15.0		30.0			
Methyl Butyl Ketone (2-Hexanone)	+++++ 0.2726	+++++ 0.2649	0.3717 0.2350	0.3310	0.2795	Ave		0.2925				17.0		30.0			
Dibromochloromethane	+++++ 0.7088	0.6270 0.7096	0.6138 0.6615	0.8165	0.7150	Ave		0.6932				9.8		30.0			
1,2-Dibromoethane	+++++ 0.5404	0.5102 0.5332	0.5058 0.4895	0.6468	0.5498	Ave		0.5394				9.6		30.0			
Chlorobenzene	+++++ 0.7118	0.7728 0.7032	0.7156 0.6441	0.8542	0.7251	Ave		0.7324				9.0		30.0			
Ethylbenzene	+++++ 0.9362	0.9724 0.9197	0.9445 0.7970	1.1578	0.9667	Ave		0.9563				11.0		30.0			
n-Nonane	+++++ 0.3125	0.3313 0.3033	0.3111 0.2572	0.3997	0.3283	Ave		0.3205				13.0		30.0			
m,p-Xylene	+++++ 0.4017	0.4385 0.3878	0.4161 0.3446	0.5094	0.4247	Ave		0.4175				12.0		30.0			
Xylene, o-	+++++ 0.4352	0.4440 0.4259	0.4224 0.3727	0.5278	0.4474	Ave		0.4393				11.0		30.0			
Styrene	+++++ 0.6066	0.6086 0.5709	0.5796 0.5099	0.7771	0.6564	Ave		0.6156				14.0		30.0			
Bromoform	+++++ 0.8291	0.7182 0.8250	0.7223 0.7232	0.9577	0.8370	Ave		0.8018				11.0		30.0			
Cumene	+++++ 1.1377	1.1948 1.1256	1.1393 0.9853	1.3881	1.1780	Ave		1.1641				10.0		30.0			
1,1,2,2-Tetrachloroethane	+++++ 0.5984	0.5894 0.5845	0.5777 0.5034	0.7399	0.6233	Ave		0.6024				12.0		30.0			
n-Propylbenzene	+++++ 1.2687	1.3318 1.2360	1.3009 1.0280	1.5811	1.3209	Ave		1.2953				13.0		30.0			
1,2,3-Trichloropropane	+++++ 0.4153	+++++ 0.4023	0.4078 0.3519	0.5172	0.4307	Ave		0.4209				13.0		30.0			
n-Decane	+++++ 0.3514	+++++ 0.3219	0.3943 0.2365	0.4940	0.3884	Ave		0.3644				23.0		30.0			
4-Ethyltoluene	+++++ 1.0451	1.1744 0.9738	1.1309 0.7304	1.3470	1.1150	Ave		1.0738				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.: 200-23084-1 Analy Batch No.: 74492

SDG No.:

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

Calibration Start Date: 07/02/2014 16:53 Calibration End Date: 07/02/2014 22:50 Calibration ID: 27459

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
2-Chlorotoluene	+++++ 0.8084	0.9412 0.7457	0.9127 0.5708	1.0740	0.8708	Ave		0.8462				19.0		30.0			
1,3,5-Trimethylbenzene	+++++ 0.9300	0.9932 0.8773	0.9485 0.7714	1.1603	0.9817	Ave		0.9518				12.0		30.0			
Alpha Methyl Styrene	+++++ 0.5417	0.5146 0.5172	0.5058 0.4577	0.6658	0.5754	Ave		0.5397				12.0		30.0			
tert-Butylbenzene	+++++ 0.9034	1.0020 0.8529	0.9748 0.7730	1.1757	0.9871	Ave		0.9527				13.0		30.0			
1,2,4-Trimethylbenzene	+++++ 0.8661	0.9903 0.8381	0.9690 0.7491	1.1797	0.9560	Ave		0.9355				15.0		30.0			
sec-Butylbenzene	+++++ 1.2685	1.4460 1.1851	1.3826 0.9786	1.6963	1.3974	Ave		1.3363				17.0		30.0			
4-Isopropyltoluene	+++++ 1.1355	1.2745 1.0666	1.2437 0.8878	1.5052	1.2534	Ave		1.1953				16.0		30.0			
1,3-Dichlorobenzene	+++++ 0.7778	0.9271 0.7494	0.8746 0.6587	1.0399	0.8573	Ave		0.8407				15.0		30.0			
1,4-Dichlorobenzene	+++++ 0.8728	0.9233 0.8340	0.8999 0.7106	1.0558	0.9022	Ave		0.8855				12.0		30.0			
Benzyl chloride	+++++ 0.7124	0.7804 0.7916	0.7895 0.5995	1.0328	0.7770	Ave		0.7833				17.0		30.0			
n-Butylbenzene	+++++ 0.8752	0.9875 0.8159	1.0158 0.6759	1.2360	1.0040	Ave		0.9443				19.0		30.0			
n-Undecane	+++++ 0.3475	+++++ 0.3218	+++++ 0.2624	0.5403	0.3985	Ave		0.3741				28.0		30.0			
1,2-Dichlorobenzene	+++++ 0.7735	0.8976 0.7449	0.8567 0.6672	1.0006	0.8479	Ave		0.8269				13.0		30.0			
n-Dodecane	+++++ 0.2892	+++++ 0.2959	+++++ 0.2269	0.2546	0.2650	Ave		0.2663				10.0		30.0			
1,2,4-Trichlorobenzene	+++++ 0.7595	+++++ 0.7989	0.5140 0.6651	0.8390	0.7896	Ave		0.7277				16.0		30.0			
Hexachlorobutadiene	+++++ 0.6853	0.4991 0.6750	0.6211 0.5690	0.8001	0.6927	Ave		0.6489				15.0		30.0			
Naphthalene	+++++ 1.2656	+++++ 1.4078	0.8152 1.0672	1.4045	1.4291	Ave		1.2316				20.0		30.0			
1,2,3-Trichlorobenzene	+++++ 0.6653	0.0619 0.7211	0.2120 0.6060	0.6810	0.6687	Ave		0.5166				51.0	*	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.: 200-23084-1 Analy Batch No.: 74492

SDG No.:

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

Calibration Start Date: 07/02/2014 16:53 Calibration End Date: 07/02/2014 22:50 Calibration ID: 27459

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-74492/3	8394_003.D
Level 2	IC 200-74492/4	8394_004.D
Level 3	IC 200-74492/5	8394_005.D
Level 4	IC 200-74492/6	8394_006.D
Level 5	ICIS 200-74492/7	8394_007.D
Level 6	IC 200-74492/8	8394_008.D
Level 7	IC 200-74492/9	8394_009.D
Level 8	IC 200-74492/10	8394_010.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Propylene	BCM	Ave	+++++ 248238	+++++ 334533	10181 629961	80328	170098	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Dichlorodifluoromethane	BCM	Ave	+++++ 2052460	+++++ 2746723	75136 4986750	659036	1388924	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Freon 22	BCM	Ave	+++++ 781362	+++++ 1055477	28429 1948312	258482	531495	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,2-Dichlorotetrafluoroethane	BCM	Ave	+++++ 1730831	27887 2301387	65238 4178200	567744	1178683	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chloromethane	BCM	Ave	+++++ 389619	+++++ 522865	14441 990675	126051	264186	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Butane	BCM	Ave	+++++ 480180	+++++ 650927	18900 1211908	159615	327428	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Vinyl chloride	BCM	Ave	1960 516605	8056 698882	19041 1315601	169108	349959	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Butadiene	BCM	Ave	+++++ 314284	5120 423907	11789 793670	101988	211856	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromomethane	BCM	Ave	+++++ 748619	11877 1013830	26575 1887948	239046	504040	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chloroethane	BCM	Ave	+++++ 191365	+++++ 260103	7164 494901	60213	128119	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Isopentane	BCM	Ave	+++++ 292654	4671 391064	10970 739511	94913	198285	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromoethene(Vinyl Bromide)	BCM	Ave	+++++ 896832	12968 1204122	30607 2269898	282960	597098	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Trichlorofluoromethane	BCM	Ave	+++++ 2245848	34281 3019351	81134 5637436	719932	1516389	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Pentane	BCM	Ave	+++++ 492875	+++++ 662396	19578 1253971	162445	336759	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Ethanol	BCM	Ave	+++++ 147485	+++++ 361264	42403 785938	84040	112410	+++++ 20.0	+++++ 40.0	5.01 100.0	9.99	15.0

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

Lab Name: TestAmerica Burlington Job No.: 200-23084-1 Analy Batch No.: 74492

SDG No.:

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

Calibration Start Date: 07/02/2014 16:53 Calibration End Date: 07/02/2014 22:50 Calibration ID: 27459

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Ethyl ether	BCM	Ave	+++++ 257695	3926 352366	9565 668853	82304	175759	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acrolein	BCM	Ave	+++++ 110757	+++++ 158749	+++++ 273249	40191	74954	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Freon TF	BCM	Ave	+++++ 1473574	22017 1978116	54420 3629111	475931	1001116	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1-Dichloroethene	BCM	Ave	+++++ 633456	9955 856937	23848 1581871	205789	432465	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acetone	BCM	Ave	+++++ 543463	+++++ 696447	+++++ 1396466	171477	385646	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Carbon disulfide	BCM	Ave	+++++ 1595637	+++++ 2167289	78156 4095371	509964	1076544	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Isopropyl alcohol	BCM	Ave	+++++ 460324	+++++ 593698	+++++ 1213520	129962	327317	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
3-Chloropropene	BCM	Ave	+++++ 392816	6790 541845	15454 1013681	129047	263998	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acetonitrile	BCM	Ave	+++++ 216661	+++++ 280622	+++++ 563737	68410	145956	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Methylene Chloride	BCM	Ave	+++++ 465923	+++++ 623529	18735 1174184	152647	313322	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
tert-Butyl alcohol	BCM	Ave	+++++ 858559	+++++ 1105577	+++++ 2275587	237024	601255	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Methyl tert-butyl ether	BCM	Ave	+++++ 1482379	21757 2009215	52683 3781742	469313	990784	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
trans-1,2-Dichloroethene	BCM	Ave	+++++ 696669	10851 935122	24810 1736064	224972	467993	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acrylonitrile	BCM	Ave	+++++ 264296	+++++ 356881	8796 687328	82334	176110	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Hexane	BCM	Ave	+++++ 535339	8951 711926	19077 1355462	169269	356751	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1-Dichloroethane	BCM	Ave	3756 992349	14427 1342070	34482 2548548	312223	664527	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Vinyl acetate	BCM	Ave	+++++ 961163	+++++ 1311958	+++++ 2466517	308138	639235	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
cis-1,2-Dichloroethene	BCM	Ave	+++++ 944053	14164 1275346	33954 2394412	298629	625255	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl Ethyl Ketone	BCM	Ave	+++++ 285885	+++++ 379857	11578 735076	92649	194570	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Ethyl acetate	BCM	Ave	+++++ 45214	+++++ 59932	+++++ 113515	13862	29405	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Tetrahydrofuran	DFB	Ave	+++++ 430719	+++++ 576204	+++++ 1106888	135743	290899	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00

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

Lab Name: TestAmerica Burlington Job No.: 200-23084-1 Analy Batch No.: 74492

SDG No.:

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

Calibration Start Date: 07/02/2014 16:53 Calibration End Date: 07/02/2014 22:50 Calibration ID: 27459

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Chloroform	BCM	Ave	+++++ 1949887	29028 2641991	68952 4915950	622301	1314095	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Cyclohexane	DFB	Ave	+++++ 972806	15325 1316475	34830 2462409	311095	660836	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,1-Trichloroethane	DFB	Ave	+++++ 2259124	33861 3048069	81720 5702131	722761	1515770	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Carbon tetrachloride	DFB	Ave	10483 2982638	43332 4032530	103533 7570939	940346	1995966	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2,2,4-Trimethylpentane	DFB	Ave	+++++ 2969645	46201 3960383	108865 7195316	975981	2027474	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Benzene	DFB	Ave	+++++ 2622407	45568 3505680	102043 6395577	866366	1784486	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloroethane	DFB	Ave	+++++ 1286886	18984 1739793	45451 3314147	409558	863241	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Heptane	DFB	Ave	+++++ 964807	15822 1286239	37010 2340510	320065	659127	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Butanol	DFB	Ave	+++++ 387928	+++++ 544324	+++++ 990577	116839	287275	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Trichloroethene	DFB	Ave	7245 1874574	29130 2502989	68741 4552400	601665	1268564	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloropropane	DFB	Ave	+++++ 1270840	18291 1712858	43604 3164014	396923	851826	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl methacrylate	DFB	Ave	+++++ 1168433	+++++ 1568102	37868 2895793	354345	775397	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,4-Dioxane	DFB	Ave	+++++ 633593	+++++ 794147	+++++ 1513809	190151	448454	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Dibromomethane	DFB	Ave	+++++ 2853915	41918 3877032	97463 7212136	889445	1895687	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromodichloromethane	DFB	Ave	+++++ 3580395	48696 4874941	116055 9094120	1107576	2376718	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
cis-1,3-Dichloropropene	DFB	Ave	+++++ 2556635	35253 3462439	73709 6472768	800005	1696969	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
methyl isobutyl ketone	DFB	Ave	+++++ 2088690	+++++ 2774196	91397 5091128	668136	1412894	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Toluene	CBZ	Ave	+++++ 3405892	46684 4560578	106348 8223022	1091891	2285976	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Octane	DFB	Ave	+++++ 1993459	28850 2617124	67072 4508533	679811	1373381	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
trans-1,3-Dichloropropene	DFB	Ave	+++++ 2689208	33239 3633133	77239 6807440	839204	1785664	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2-Trichloroethane	CBZ	Ave	+++++ 1839935	23326 2415800	55540 4606487	576495	1240809	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

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

Lab Name: TestAmerica Burlington Job No.: 200-23084-1 Analy Batch No.: 74492

SDG No.:

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

Calibration Start Date: 07/02/2014 16:53 Calibration End Date: 07/02/2014 22:50 Calibration ID: 27459

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Tetrachloroethene	CBZ	Ave	16530 4277622	59866 5881274	142977 11164328	1313294	2829359	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl Butyl Ketone (2-Hexanone)	CBZ	Ave	+++++ 2067147	+++++ 2742915	90071 4954036	657345	1390936	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Dibromochloromethane	CBZ	Ave	+++++ 5374683	61464 7347985	148726 13941233	1621516	3557458	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dibromoethane	CBZ	Ave	+++++ 4097725	50013 5520975	122566 10316660	1284392	2735727	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chlorobenzene	CBZ	Ave	+++++ 5397449	75764 7281602	173403 13575617	1696224	3607841	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Ethylbenzene	CBZ	Ave	+++++ 7099201	95324 9524030	228858 16798557	2299201	4809938	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Nonane	CBZ	Ave	+++++ 2369525	32478 3141246	75385 5421533	793770	1633586	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
m,p-Xylene	CBZ	Ave	+++++ 6092796	85973 8031951	201629 14527284	2023026	4226010	+++++ 30.0	0.401 40.0	1.00 80.0	9.99	20.0
Xylene, o-	CBZ	Ave	+++++ 3299986	43531 4410067	102343 7856022	1048212	2225939	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Styrene	CBZ	Ave	+++++ 4600154	59660 5911640	140439 10747251	1543131	3266111	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromoform	CBZ	Ave	+++++ 6287112	70403 8543463	175025 15242409	1901837	4164584	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Cumene	CBZ	Ave	+++++ 8627384	117124 11655853	276053 20767873	2756567	5861433	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2,2-Tetrachloroethane	CBZ	Ave	+++++ 4538003	57781 6053126	139978 10610504	1469369	3101329	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Propylbenzene	CBZ	Ave	+++++ 9620625	130557 12799413	315206 21665918	3139875	6572073	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2,3-Trichloropropane	CBZ	Ave	+++++ 3149011	+++++ 4165677	98823 7417500	1027053	2143237	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Decane	CBZ	Ave	+++++ 2664452	+++++ 3333113	95538 4985061	980994	1932680	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
4-Ethyltoluene	CBZ	Ave	+++++ 7924974	115131 10084016	274011 15395459	2674878	5547856	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2-Chlorotoluene	CBZ	Ave	+++++ 6130377	92271 7722128	221154 12029937	2132794	4332664	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3,5-Trimethylbenzene	CBZ	Ave	+++++ 7052115	97367 9084821	229822 16258887	2304215	4884740	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Alpha Methyl Styrene	CBZ	Ave	+++++ 4107911	50445 5355795	122551 9646840	1322138	2862811	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
tert-Butylbenzene	CBZ	Ave	+++++ 6850331	98233 8831941	236192 16293364	2334681	4911360	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

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

Lab Name: TestAmerica Burlington Job No.: 200-23084-1 Analy Batch No.: 74492

SDG No.:

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

Calibration Start Date: 07/02/2014 16:53 Calibration End Date: 07/02/2014 22:50 Calibration ID: 27459

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,2,4-Trimethylbenzene	CBZ	Ave	+++++ 6567904	97086 8678723	234797 15788691	2342749	4756462	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
sec-Butylbenzene	CBZ	Ave	+++++ 9618961	141754 12272403	335004 20625130	3368522	6952758	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
4-Isopropyltoluene	CBZ	Ave	+++++ 8610591	124944 11044565	301362 18712796	2989165	6236657	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Dichlorobenzene	CBZ	Ave	+++++ 5898248	90887 7759937	211924 13883479	2065097	4265753	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,4-Dichlorobenzene	CBZ	Ave	+++++ 6618313	90509 8636137	218051 14976306	2096584	4489041	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Benzyl chloride	CBZ	Ave	+++++ 5402313	76506 8197057	191303 12635790	2050975	3866190	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Butylbenzene	CBZ	Ave	+++++ 6637133	96803 8448748	246135 14245155	2454528	4995441	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Undecane	CBZ	Ave	+++++ 2635136	+++++ 3331874	+++++ 5529599	1072885	1983037	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
1,2-Dichlorobenzene	CBZ	Ave	+++++ 5865567	87994 7713267	207591 14063424	1987125	4218686	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Dodecane	CBZ	Ave	+++++ 2193018	+++++ 3064336	+++++ 4782790	505603	1318300	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
1,2,4-Trichlorobenzene	CBZ	Ave	+++++ 5759291	+++++ 8272628	124545 14018212	1666134	3928763	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Hexachlorobutadiene	CBZ	Ave	+++++ 5196551	48930 6989540	150485 11992787	1588774	3446578	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Naphthalene	CBZ	Ave	+++++ 9597027	+++++ 14578294	197517 22492855	2789120	7110590	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,2,3-Trichlorobenzene	CBZ	Ave	+++++ 5044738	6067 7466788	51372 12772652	1352324	3327278	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

Curve Type Legend:
Ave = Average ISTD

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

Lab Name: TestAmerica Burlington Job No.: 200-23111-1 Analy Batch No.: 73568

SDG No.:

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

Calibration Start Date: 06/14/2014 09:46 Calibration End Date: 06/15/2014 00:33 Calibration ID: 27113

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-73568/16	8058_016.d
Level 2	IC 200-73568/17	8058_017.d
Level 3	IC 200-73568/5	8058_005.d
Level 4	IC 200-73568/6	8058_006.d
Level 5	ICIS 200-73568/7	8058_007.d
Level 6	IC 200-73568/8	8058_008.d
Level 7	IC 200-73568/9	8058_009.d
Level 8	IC 200-73568/10	8058_010.d

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Propylene	+++++ 0.7161	+++++ 0.6867	0.9338 0.6142	0.7011	0.7558	Ave		0.7346				15.0		30.0			
Dichlorodifluoromethane	+++++ 3.0084	+++++ 2.9315	3.2075 2.6381	2.6485	3.1104	Ave		2.9241				8.1		30.0			
Freon 22	+++++ 1.4888	+++++ 1.4273	1.6583 1.2959	1.3543	1.5468	Ave		1.4619				9.0		30.0			
1,2-Dichlorotetrafluoroethane	+++++ 2.9549	3.2787 2.8863	3.1170 2.5828	2.6071	3.0559	Ave		2.9261				8.8		30.0			
Chloromethane	+++++ 0.8721	+++++ 0.8422	1.0103 0.7794	0.7881	0.8990	Ave		0.8652				9.8		30.0			
n-Butane	+++++ 1.4588	+++++ 1.4116	1.5577 1.2440	1.3849	1.5452	Ave		1.4337				8.1		30.0			
Vinyl chloride	1.0758 1.1074	1.1519 1.0829	1.1019 0.9882	0.9474	1.1412	Ave		1.0746				6.7		30.0			
1,3-Butadiene	+++++ 0.7948	0.7971 0.7801	0.7719 0.6968	0.6785	0.8278	Ave		0.7639				7.2		30.0			
Bromomethane	+++++ 1.0692	1.2500 1.0579	1.1548 0.9581	0.9514	1.1165	Ave		1.0797				9.8		30.0			
Chloroethane	+++++ 0.6306	+++++ 0.6045	0.6484 0.5770	0.5418	0.6388	Ave		0.6068				6.8		30.0			
Isopentane	+++++ 1.1041	1.4839 1.0428	1.2054 0.9562	1.0130	1.1496	Ave		1.1364				15.0		30.0			
Bromoethene(Vinyl Bromide)	+++++ 1.3616	1.4613 1.3631	1.3090 1.2762	1.1246	1.3622	Ave		1.3226				7.9		30.0			
Trichlorofluoromethane	+++++ 3.2730	3.6236 3.2320	3.3303 2.9582	2.8432	3.3247	Ave		3.2264				8.0		30.0			
n-Pentane	+++++ 1.6674	+++++ 1.5921	1.7843 1.4309	1.5794	1.7421	Ave		1.6327				7.8		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Burlington Job No.: 200-23111-1 Analy Batch No.: 73568

SDG No.:

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

Calibration Start Date: 06/14/2014 09:46 Calibration End Date: 06/15/2014 00:33 Calibration ID: 27113

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Ethanol	+++++ 0.4072	+++++ 0.3815	0.4699 0.3230	0.4594	0.4536	Ave		0.4158				14.0		30.0			
Ethyl ether	+++++ 0.7535	0.7795 0.7341	0.7513 0.6800	0.6480	0.7697	Ave		0.7309				6.7		30.0			
Acrolein	+++++ 0.3223	+++++ 0.3370	+++++ 0.2854	0.2882	0.3216	Ave		0.3109				7.4		30.0			
Freon TF	+++++ 2.5254	2.8189 2.4974	2.4970 2.2858	2.1410	2.5455	Ave		2.4730				8.6		30.0			
1,1-Dichloroethene	+++++ 1.2418	1.3411 1.2394	1.2189 1.1621	1.0369	1.2485	Ave		1.2126				7.7		30.0			
Acetone	+++++ 1.5171	+++++ 1.4624	+++++ 1.1726	1.7194	1.7603	Ave		1.5263				15.0		30.0			
Carbon disulfide	+++++ 2.9759	+++++ 2.9215	3.9314 2.6770	2.5509	3.0745	Ave		3.0219				16.0		30.0			
Isopropyl alcohol	+++++ 1.3176	+++++ 1.2519	+++++ 1.0955	1.2309	1.5403	Ave		1.2873				13.0		30.0			
3-Chloropropene	+++++ 1.2026	1.1951 1.1564	1.2704 1.0474	1.0641	1.2102	Ave		1.1637				7.0		30.0			
Acetonitrile	+++++ 0.6831	+++++ 0.6430	+++++ 0.5795	0.6142	0.7346	Ave		0.6509				9.3		30.0			
Methylene Chloride	+++++ 1.0400	+++++ 1.0125	1.2589 0.9132	0.9787	1.0796	Ave		1.0471				11.0		30.0			
tert-Butyl alcohol	+++++ 1.9259	+++++ 1.8883	+++++ 1.6895	1.6225	2.1701	Ave		1.8593				12.0		30.0			
Methyl tert-butyl ether	+++++ 3.3653	3.4592 3.3181	3.2506 3.0523	2.8282	3.4122	Ave		3.2408				6.9		30.0			
trans-1,2-Dichloroethene	+++++ 1.4923	1.5928 1.4539	1.4855 1.3318	1.3037	1.5267	Ave		1.4552				7.1		30.0			
Acrylonitrile	+++++ 0.7363	+++++ 0.7227	0.7289 0.6687	0.6303	0.7621	Ave		0.7082				6.9		30.0			
n-Hexane	+++++ 1.6698	2.6653 1.6254	1.6990 1.4699	1.4978	1.7144	Ave		1.7631				23.0		30.0			
1,1-Dichloroethane	1.9116 1.9762	2.0887 1.9325	1.9840 1.7506	1.7153	2.0326	Ave		1.9239				6.8		30.0			
Vinyl acetate	+++++ 2.4974	+++++ 2.3841	+++++ 2.1287	2.1905	2.5835	Ave		2.3568				8.3		30.0			
cis-1,2-Dichloroethene	+++++ 1.3976	1.5045 1.3873	1.3897 1.2706	1.1755	1.4184	Ave		1.3634				7.9		30.0			
Methyl Ethyl Ketone	+++++ 0.6294	+++++ 0.6147	0.8806 0.5379	0.5563	0.6463	Ave		0.6442				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.: 200-23111-1 Analy Batch No.: 73568

SDG No.:

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

Calibration Start Date: 06/14/2014 09:46 Calibration End Date: 06/15/2014 00:33 Calibration ID: 27113

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Ethyl acetate	+++++ 0.1134	+++++ 0.1144	+++++ 0.1060	0.0917	0.1157	Ave		0.1082				9.2		30.0			
Tetrahydrofuran	+++++ 0.2230	+++++ 0.2123	+++++ 0.1967	0.1948	0.2335	Ave		0.2121				7.9		30.0			
Chloroform	+++++ 2.4375	2.5945 2.3964	2.4764 2.1993	2.0797	2.4811	Ave		2.3807				7.5		30.0			
Cyclohexane	+++++ 0.3865	0.4115 0.3777	0.3707 0.3454	0.3162	0.3868	Ave		0.3707				8.4		30.0			
1,1,1-Trichloroethane	+++++ 0.5496	0.5731 0.5425	0.5285 0.5054	0.4495	0.5500	Ave		0.5284				7.7		30.0			
Carbon tetrachloride	0.5798 0.6169	0.6021 0.5988	0.5490 0.5890	0.4870	0.6103	Ave		0.5791				7.4		30.0			
2,2,4-Trimethylpentane	+++++ 1.1448	1.2383 1.0972	1.1545 0.9700	0.9876	1.1779	Ave		1.1101				8.9		30.0			
Benzene	+++++ 0.8024	0.9150 0.7822	0.7958 0.7148	0.6739	0.8083	Ave		0.7846				9.8		30.0			
1,2-Dichloroethane	+++++ 0.2989	0.3126 0.2893	0.2953 0.2724	0.2540	0.3050	Ave		0.2897				7.0		30.0			
n-Heptane	+++++ 0.3806	0.6051 0.3589	0.4043 0.3163	0.3458	0.3961	Ave		0.4010				24.0		30.0			
n-Butanol	+++++ 0.1346	+++++ 0.1247	+++++ 0.1206	0.1063	0.1421	Ave		0.1256				11.0		30.0			
Trichloroethene	0.4137 0.3749	0.3902 0.3689	0.3678 0.3458	0.3047	0.3740	Ave		0.3675				8.7		30.0			
1,2-Dichloropropane	+++++ 0.2795	0.2898 0.2717	0.2733 0.2548	0.2340	0.2820	Ave		0.2693				7.0		30.0			
Methyl methacrylate	+++++ 0.2865	+++++ 0.2794	0.2470 0.2649	0.2295	0.2857	Ave		0.2655				8.7		30.0			
1,4-Dioxane	+++++ 0.1403	+++++ 0.1346	+++++ 0.1219	0.1181	0.1624	Ave		0.1355				13.0		30.0			
Dibromomethane	+++++ 0.4609	0.4704 0.4678	0.3995 0.4530	0.3503	0.4487	Ave		0.4358				10.0		30.0			
Bromodichloromethane	+++++ 0.5609	0.5254 0.5498	0.4956 0.5147	0.4537	0.5622	Ave		0.5232				7.5		30.0			
cis-1,3-Dichloropropene	+++++ 0.4393	0.3888 0.4333	0.3710 0.4102	0.3446	0.4368	Ave		0.4034				9.1		30.0			
methyl isobutyl ketone	+++++ 0.4854	+++++ 0.4591	0.4731 0.4112	0.4243	0.5134	Ave		0.4611				8.3		30.0			
n-Octane	+++++ 0.4954	0.7386 0.4500	0.5615 0.3536	0.4773	0.5338	Ave		0.5158				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.: 200-23111-1 Analy Batch No.: 73568

SDG No.:

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

Calibration Start Date: 06/14/2014 09:46 Calibration End Date: 06/15/2014 00:33 Calibration ID: 27113

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Toluene	+++++ 0.6872	0.8821 0.6641	0.8969 0.5693	0.5791	0.6959	Ave		0.7106				19.0		30.0			
trans-1,3-Dichloropropene	+++++ 0.4427	0.3670 0.4386	0.3570 0.4150	0.3458	0.4416	Ave		0.4011				11.0		30.0			
1,1,2-Trichloroethane	+++++ 0.3181	0.3313 0.3129	0.3092 0.2942	0.2603	0.3186	Ave		0.3064				7.6		30.0			
Tetrachloroethene	0.7757 0.7688	0.8034 0.7741	0.6946 0.7254	0.5951	0.7510	Ave		0.7360				9.0		30.0			
Methyl Butyl Ketone (2-Hexanone)	+++++ 0.5048	+++++ 0.4811	0.5012 0.4317	0.4407	0.5326	Ave		0.4820				8.1		30.0			
Dibromochloromethane	+++++ 0.7857	0.6642 0.7898	0.6074 0.7415	0.5913	0.7673	Ave		0.7067				12.0		30.0			
1,2-Dibromoethane	+++++ 0.6404	0.6092 0.6348	0.5702 0.5930	0.5085	0.6352	Ave		0.5988				7.9		30.0			
Chlorobenzene	+++++ 1.0186	1.0903 1.0063	0.9993 0.9121	0.8314	1.0171	Ave		0.9822				8.6		30.0			
Ethylbenzene	+++++ 1.4750	1.5757 1.4210	1.4583 1.2258	1.2404	1.4950	Ave		1.4130				9.3		30.0			
n-Nonane	+++++ 0.5984	0.8019 0.5666	0.6037 0.4747	0.5397	0.6204	Ave		0.6008				17.0		30.0			
m,p-Xylene	+++++ 0.6418	0.6699 0.6103	0.6108 0.4934	0.5457	0.6556	Ave		0.6039				11.0		30.0			
Xylene, o-	+++++ 0.6567	0.6498 0.6427	0.6040 0.5656	0.5381	0.6604	Ave		0.6168				7.9		30.0			
Styrene	+++++ 1.0061	0.8035 0.9399	0.8466 0.8483	0.8035	1.0157	Ave		0.8948				10.0		30.0			
Bromoform	+++++ 0.8922	0.6343 0.8931	0.5942 0.8150	0.6259	0.8554	Ave		0.7586				18.0		30.0			
Cumene	+++++ 1.7851	1.8964 1.6964	1.6995 1.3806	1.5161	1.8202	Ave		1.6849				11.0		30.0			
1,1,2,2-Tetrachloroethane	+++++ 0.8198	0.7999 0.7900	0.7951 0.6886	0.6969	0.8378	Ave		0.7754				7.6		30.0			
n-Propylbenzene	+++++ 1.9868	2.1239 1.8504	1.9791 1.4220	1.7411	2.0659	Ave		1.8813				13.0		30.0			
1,2,3-Trichloropropane	+++++ 0.6303	+++++ 0.6044	0.6457 0.5138	0.5428	0.6512	Ave		0.5980				9.6		30.0			
n-Decane	+++++ 0.7802	+++++ 0.7205	0.7911 0.5728	0.7134	0.8210	Ave		0.7332				12.0		30.0			
4-Ethyltoluene	+++++ 1.7906	1.8429 1.6884	1.7138 1.3265	1.5325	1.8452	Ave		1.6771				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.: 200-23111-1 Analy Batch No.: 73568

SDG No.:

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

Calibration Start Date: 06/14/2014 09:46 Calibration End Date: 06/15/2014 00:33 Calibration ID: 27113

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
2-Chlorotoluene	+++++ 1.4364	1.4882 1.3785	1.4333 1.1607	1.2263	1.4765	Ave		1.3714				9.3		30.0			
1,3,5-Trimethylbenzene	+++++ 1.5305	1.5387 1.4525	1.4627 1.1959	1.2838	1.5604	Ave		1.4321				9.7		30.0			
Alpha Methyl Styrene	+++++ 0.8677	0.5930 0.6429	0.6652 0.7617	0.6737	0.8671	Ave		0.7245				15.0		30.0			
tert-Butylbenzene	+++++ 1.5620	1.6396 1.4995	1.4698 1.2458	1.3126	1.5867	Ave		1.4737				9.9		30.0			
1,2,4-Trimethylbenzene	+++++ 1.5391	1.5285 1.4714	1.4588 1.2181	1.2908	1.5712	Ave		1.4397				9.3		30.0			
sec-Butylbenzene	+++++ 2.1742	2.3225 2.0315	2.1357 1.5870	1.8820	2.2499	Ave		2.0547				12.0		30.0			
4-Isopropyltoluene	+++++ 1.9681	1.9802 1.8458	1.8355 1.4650	1.6629	2.0167	Ave		1.8249				11.0		30.0			
1,3-Dichlorobenzene	+++++ 1.2257	1.0505 1.2077	1.0616 1.0492	0.9762	1.2346	Ave		1.1151				9.4		30.0			
1,4-Dichlorobenzene	+++++ 1.2124	0.9927 1.1987	0.9952 1.0516	0.9526	1.2254	Ave		1.0898				11.0		30.0			
Benzyl chloride	+++++ 1.1314	0.6066 1.1373	0.6306 1.0352	0.8219	1.0148	Ave		0.9111				25.0		30.0			
n-Undecane	+++++ 0.8161	+++++ 0.7086	+++++ 0.5342	0.7799	0.8993	Ave		0.7476				18.0		30.0			
n-Butylbenzene	+++++ 1.5698	1.5763 1.4472	1.5592 1.1047	1.3863	1.6533	Ave		1.4710				13.0		30.0			
1,2-Dichlorobenzene	+++++ 1.1715	1.0757 1.1570	1.0666 1.0309	0.9387	1.1723	Ave		1.0875				8.0		30.0			
n-Dodecane	+++++ 0.7676	+++++ 0.6403	+++++ 0.3633	0.7102	0.8832	Ave		0.6729				29.0		30.0			
1,2,4-Trichlorobenzene	+++++ 0.9576	+++++ 0.9572	0.7604 0.9265	0.6970	0.9887	Ave		0.8812				14.0		30.0			
Hexachlorobutadiene	+++++ 1.0137	0.9228 0.9710	0.8277 0.9472	0.7628	0.9964	Ave		0.9202				10.0		30.0			
Naphthalene	+++++ 1.7878	+++++ 1.7209	1.5991 1.6266	1.3908	2.0348	Ave		1.6933				13.0		30.0			
1,2,3-Trichlorobenzene	+++++ 0.8778	0.6172 0.8663	0.8222 0.8208	0.6840	0.9379	Ave		0.8037				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 RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-23111-1 Analy Batch No.: 73568

SDG No.:

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

Calibration Start Date: 06/14/2014 09:46 Calibration End Date: 06/15/2014 00:33 Calibration ID: 27113

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-73568/16	8058_016.d
Level 2	IC 200-73568/17	8058_017.d
Level 3	IC 200-73568/5	8058_005.d
Level 4	IC 200-73568/6	8058_006.d
Level 5	ICIS 200-73568/7	8058_007.d
Level 6	IC 200-73568/8	8058_008.d
Level 7	IC 200-73568/9	8058_009.d
Level 8	IC 200-73568/10	8058_010.d

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Propylene	BCM	Ave	+++++ 692857	+++++ 951503	28691 1771444	197892	469817	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Dichlorodifluoromethane	BCM	Ave	+++++ 2910832	+++++ 4061763	98548 7608629	747607	1933403	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Freon 22	BCM	Ave	+++++ 1440544	+++++ 1977624	50950 3737410	382300	961488	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,2-Dichlorotetrafluoroethane	BCM	Ave	+++++ 2859089	39355 3999205	95767 7449174	735932	1899518	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chloromethane	BCM	Ave	+++++ 843772	+++++ 1166980	31042 2247763	222466	558815	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Butane	BCM	Ave	+++++ 1411470	+++++ 1955904	47858 3587962	390938	960486	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Vinyl chloride	BCM	Ave	2909 1071516	13826 1500404	33855 2850110	267428	709375	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Butadiene	BCM	Ave	+++++ 769038	9568 1080934	23717 2009737	191528	514526	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromomethane	BCM	Ave	+++++ 1034511	15004 1465810	35479 2763377	268550	694003	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chloroethane	BCM	Ave	+++++ 610178	+++++ 837573	19920 1664221	152928	397081	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Isopentane	BCM	Ave	+++++ 1068305	17811 1444837	37034 2757769	285950	714580	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromoethene(Vinyl Bromide)	BCM	Ave	+++++ 1317386	17540 1888632	40219 3680703	317453	846732	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Trichlorofluoromethane	BCM	Ave	+++++ 3166856	43494 4478206	102321 8531996	802571	2066602	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Pentane	BCM	Ave	+++++ 1613354	+++++ 2205967	54820 4126826	445837	1082869	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Ethanol	BCM	Ave	+++++ 526428	+++++ 1057254	144553 2329022	259516	423144	+++++ 20.0	+++++ 40.0	5.01 100.0	9.99	15.0

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

Lab Name: TestAmerica Burlington Job No.: 200-23111-1 Analy Batch No.: 73568

SDG No.:

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

Calibration Start Date: 06/14/2014 09:46 Calibration End Date: 06/15/2014 00:33 Calibration ID: 27113

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Ethyl ether	BCM	Ave	+++++ 729054	9356 1017137	23082 1961106	182930	478447	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acrolein	BCM	Ave	+++++ 311843	+++++ 466890	+++++ 823251	81340	199914	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Freon TF	BCM	Ave	+++++ 2443487	33835 3460270	76718 6592500	604357	1582240	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1-Dichloroethene	BCM	Ave	+++++ 1201494	16097 1717262	37448 3351521	292687	776062	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acetone	BCM	Ave	+++++ 1467844	+++++ 2026274	+++++ 3381803	485345	1094199	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Carbon disulfide	BCM	Ave	+++++ 2879345	+++++ 4047890	120790 7720723	720064	1911050	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Isopropyl alcohol	BCM	Ave	+++++ 1274876	+++++ 1734629	+++++ 3159644	347447	957457	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
3-Chloropropene	BCM	Ave	+++++ 1163542	14345 1602291	39032 3020811	300368	752218	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acetonitrile	BCM	Ave	+++++ 660902	+++++ 890921	+++++ 1671451	173374	456622	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Methylene Chloride	BCM	Ave	+++++ 1006237	+++++ 1402836	38678 2633913	276254	671046	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
tert-Butyl alcohol	BCM	Ave	+++++ 1863403	+++++ 2616375	+++++ 4872730	458005	1348885	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Methyl tert-butyl ether	BCM	Ave	+++++ 3256093	41521 4597376	99873 8803355	798346	2120966	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
trans-1,2-Dichloroethene	BCM	Ave	+++++ 1443844	19118 2014404	45642 3841124	368004	948948	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acrylonitrile	BCM	Ave	+++++ 712427	+++++ 1001401	22395 1928594	177908	473690	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Hexane	BCM	Ave	+++++ 1615681	31992 2252142	52199 4239416	422795	1065615	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1-Dichloroethane	BCM	Ave	5169 1912064	25071 2677573	60956 5048951	484195	1263420	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Vinyl acetate	BCM	Ave	+++++ 2416387	+++++ 3303385	+++++ 6139398	618341	1605843	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
cis-1,2-Dichloroethene	BCM	Ave	+++++ 1352225	18059 1922125	42698 3664569	331827	881650	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl Ethyl Ketone	BCM	Ave	+++++ 608947	+++++ 851760	27057 1551517	157025	401738	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Ethyl acetate	BCM	Ave	+++++ 109767	+++++ 158528	+++++ 305628	25885	71925	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Tetrahydrofuran	DFB	Ave	+++++ 1039410	+++++ 1422715	+++++ 2674556	272419	705701	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00

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

Lab Name: TestAmerica Burlington Job No.: 200-23111-1 Analy Batch No.: 73568

SDG No.:

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

Calibration Start Date: 06/14/2014 09:46 Calibration End Date: 06/15/2014 00:33 Calibration ID: 27113

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Chloroform	BCM	Ave	+++++ 2358421	31142 3320360	76086 6343073	587069	1542191	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Cyclohexane	DFB	Ave	+++++ 1800908	24186 2530869	56284 4697055	442047	1168879	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,1-Trichloroethane	DFB	Ave	+++++ 2561294	33683 3634554	80247 6873978	628498	1662042	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Carbon tetrachloride	DFB	Ave	7713 2874816	35388 4012020	83365 8010150	680928	1844146	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2,2,4-Trimethylpentane	DFB	Ave	+++++ 5334952	72781 7351362	175299 13192719	1380918	3559291	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Benzene	DFB	Ave	+++++ 3739090	53777 5240982	120833 9720994	942298	2442468	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloroethane	DFB	Ave	+++++ 1393139	18375 1938565	44842 3704274	355115	921601	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Heptane	DFB	Ave	+++++ 1773580	35562 2404421	61388 4302203	483453	1196799	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Butanol	DFB	Ave	+++++ 627214	+++++ 835337	+++++ 1639585	148627	429267	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Trichloroethene	DFB	Ave	5503 1747105	22936 2472001	55843 4703106	426021	1130167	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloropropane	DFB	Ave	+++++ 1302619	17033 1820493	41500 3465686	327230	852063	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl methacrylate	DFB	Ave	+++++ 1335036	+++++ 1872071	37507 3602894	320907	863230	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,4-Dioxane	DFB	Ave	+++++ 653911	+++++ 901913	+++++ 1657574	165196	490757	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Dibromomethane	DFB	Ave	+++++ 2147639	27649 3134433	60656 6160960	489857	1355809	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromodichloromethane	DFB	Ave	+++++ 2613934	30880 3684023	75255 6999443	634319	1699009	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
cis-1,3-Dichloropropene	DFB	Ave	+++++ 2047179	22851 2903522	56329 5578997	481858	1319964	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
methyl isobutyl ketone	DFB	Ave	+++++ 2261803	+++++ 3076004	71834 5592620	593274	1551269	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Octane	DFB	Ave	+++++ 2308838	43409 3015372	85250 4809017	667434	1613015	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Toluene	CBZ	Ave	+++++ 2936589	46690 4054395	122842 7043017	740073	1935272	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
trans-1,3-Dichloropropene	DFB	Ave	+++++ 2063052	21571 2938865	54203 5644203	483487	1334289	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2-Trichloroethane	CBZ	Ave	+++++ 1359121	17536 1909935	42354 3639849	332673	886121	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

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

Lab Name: TestAmerica Burlington Job No.: 200-23111-1 Analy Batch No.: 73568

SDG No.:

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

Calibration Start Date: 06/14/2014 09:46 Calibration End Date: 06/15/2014 00:33 Calibration ID: 27113

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Tetrachloroethene	CBZ	Ave	9162 3285183	42526 4725517	95133 8974952	760503	2088563	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl Butyl Ketone (2-Hexanone)	CBZ	Ave	+++++ 2157179	+++++ 2937185	68643 5340909	563187	1481133	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Dibromochloromethane	CBZ	Ave	+++++ 3357225	35159 4821729	83194 9173337	755633	2133863	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dibromoethane	CBZ	Ave	+++++ 2736481	32249 3875155	78099 7336033	649919	1766627	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chlorobenzene	CBZ	Ave	+++++ 4352768	57712 6143539	136867 11284649	1062572	2828706	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Ethylbenzene	CBZ	Ave	+++++ 6302731	83407 8674873	199740 15165124	1585196	4157719	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Nonane	CBZ	Ave	+++++ 2556824	42449 3458850	82690 5873494	689710	1725249	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
m,p-Xylene	CBZ	Ave	+++++ 5485150	70917 7451684	167318 12208966	1394934	3646323	+++++ 30.0	0.401 40.0	1.00 80.0	9.99	20.0
Xylene, o-	CBZ	Ave	+++++ 2806217	34397 3923558	82736 6997225	687636	1836715	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Styrene	CBZ	Ave	+++++ 4299320	42532 5737755	115962 10494982	1026893	2824642	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromoform	CBZ	Ave	+++++ 3812482	33576 5452167	81382 10083003	799953	2378879	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Cumene	CBZ	Ave	+++++ 7628058	100381 10356587	232776 17080367	1937563	5061976	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2,2-Tetrachloroethane	CBZ	Ave	+++++ 3503138	42339 4823035	108909 8518880	890654	2329893	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Propylbenzene	CBZ	Ave	+++++ 8489813	112425 11296326	271077 17592520	2225165	5745350	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2,3-Trichloropropane	CBZ	Ave	+++++ 2693181	+++++ 3689873	88437 6356239	693732	1811073	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Decane	CBZ	Ave	+++++ 3334014	+++++ 4398332	108353 7086822	911682	2283318	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
4-Ethyltoluene	CBZ	Ave	+++++ 7651300	97551 10307652	234733 16411245	1958494	5131642	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2-Chlorotoluene	CBZ	Ave	+++++ 6137873	78772 8415712	196319 14360093	1567267	4106250	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3,5-Trimethylbenzene	CBZ	Ave	+++++ 6540016	81446 8867452	200347 14795627	1640731	4339590	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Alpha Methyl Styrene	CBZ	Ave	+++++ 3707868	31387 3925078	91112 9423340	860947	2411568	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
tert-Butylbenzene	CBZ	Ave	+++++ 6674529	86788 9154073	201317 15413556	1677467	4412729	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

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

Lab Name: TestAmerica Burlington Job No.: 200-23111-1 Analy Batch No.: 73568

SDG No.:

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

Calibration Start Date: 06/14/2014 09:46 Calibration End Date: 06/15/2014 00:33 Calibration ID: 27113

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,2,4-Trimethylbenzene	CBZ	Ave	+++++ 6576813	80906 8982477	199810 15069740	1649626	4369672	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
sec-Butylbenzene	CBZ	Ave	+++++ 9290663	122936 12402136	292530 19634253	2405166	6257024	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
4-Isopropyltoluene	CBZ	Ave	+++++ 8409771	104819 11268593	251401 18124664	2125241	5608679	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Dichlorobenzene	CBZ	Ave	+++++ 5237605	55608 7372882	145401 12980976	1247575	3433407	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,4-Dichlorobenzene	CBZ	Ave	+++++ 5180659	52544 7317633	136314 13010045	1217482	3407885	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Benzyl chloride	CBZ	Ave	+++++ 4834437	32111 6942988	86377 12807793	1050437	2822199	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Undecane	CBZ	Ave	+++++ 3487267	+++++ 4325990	+++++ 6609261	996662	2500936	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
n-Butylbenzene	CBZ	Ave	+++++ 6707811	83439 8834923	213563 13667013	1771724	4597886	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichlorobenzene	CBZ	Ave	+++++ 5006056	56937 7063418	146086 12754739	1199685	3260124	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Dodecane	CBZ	Ave	+++++ 3279874	+++++ 3909122	+++++ 4494545	907645	2456241	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
1,2,4-Trichlorobenzene	CBZ	Ave	+++++ 4092050	+++++ 5843441	104158 11463036	890796	2749600	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Hexachlorobutadiene	CBZ	Ave	+++++ 4331819	48847 5927691	113372 11719000	974898	2771121	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Naphthalene	CBZ	Ave	+++++ 7639569	+++++ 10505873	219022 20124744	1777404	5658932	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,2,3-Trichlorobenzene	CBZ	Ave	+++++ 3751034	32670 5288687	112610 10155190	874223	2608308	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

Curve Type Legend:
Ave = Average ISTD

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

Lab Name: TestAmerica Burlington Job No.: 200-23114-1 Analy Batch No.: 73568

SDG No.:

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

Calibration Start Date: 06/14/2014 09:46 Calibration End Date: 06/15/2014 00:33 Calibration ID: 27113

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-73568/16	8058_016.d
Level 2	IC 200-73568/17	8058_017.d
Level 3	IC 200-73568/5	8058_005.d
Level 4	IC 200-73568/6	8058_006.d
Level 5	ICIS 200-73568/7	8058_007.d
Level 6	IC 200-73568/8	8058_008.d
Level 7	IC 200-73568/9	8058_009.d
Level 8	IC 200-73568/10	8058_010.d

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Propylene	+++++ 0.7161	+++++ 0.6867	0.9338 0.6142	0.7011	0.7558	Ave		0.7346				15.0		30.0			
Dichlorodifluoromethane	+++++ 3.0084	+++++ 2.9315	3.2075 2.6381	2.6485	3.1104	Ave		2.9241				8.1		30.0			
Freon 22	+++++ 1.4888	+++++ 1.4273	1.6583 1.2959	1.3543	1.5468	Ave		1.4619				9.0		30.0			
1,2-Dichlorotetrafluoroethane	+++++ 2.9549	3.2787 2.8863	3.1170 2.5828	2.6071	3.0559	Ave		2.9261				8.8		30.0			
Chloromethane	+++++ 0.8721	+++++ 0.8422	1.0103 0.7794	0.7881	0.8990	Ave		0.8652				9.8		30.0			
n-Butane	+++++ 1.4588	+++++ 1.4116	1.5577 1.2440	1.3849	1.5452	Ave		1.4337				8.1		30.0			
Vinyl chloride	1.0758 1.1074	1.1519 1.0829	1.1019 0.9882	0.9474	1.1412	Ave		1.0746				6.7		30.0			
1,3-Butadiene	+++++ 0.7948	0.7971 0.7801	0.7719 0.6968	0.6785	0.8278	Ave		0.7639				7.2		30.0			
Bromomethane	+++++ 1.0692	1.2500 1.0579	1.1548 0.9581	0.9514	1.1165	Ave		1.0797				9.8		30.0			
Chloroethane	+++++ 0.6306	+++++ 0.6045	0.6484 0.5770	0.5418	0.6388	Ave		0.6068				6.8		30.0			
Isopentane	+++++ 1.1041	1.4839 1.0428	1.2054 0.9562	1.0130	1.1496	Ave		1.1364				15.0		30.0			
Bromoethene(Vinyl Bromide)	+++++ 1.3616	1.4613 1.3631	1.3090 1.2762	1.1246	1.3622	Ave		1.3226				7.9		30.0			
Trichlorofluoromethane	+++++ 3.2730	3.6236 3.2320	3.3303 2.9582	2.8432	3.3247	Ave		3.2264				8.0		30.0			
n-Pentane	+++++ 1.6674	+++++ 1.5921	1.7843 1.4309	1.5794	1.7421	Ave		1.6327				7.8		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Burlington Job No.: 200-23114-1 Analy Batch No.: 73568

SDG No.:

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

Calibration Start Date: 06/14/2014 09:46 Calibration End Date: 06/15/2014 00:33 Calibration ID: 27113

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Ethanol	+++++ 0.4072	+++++ 0.3815	0.4699 0.3230	0.4594	0.4536	Ave		0.4158				14.0		30.0			
Ethyl ether	+++++ 0.7535	0.7795 0.7341	0.7513 0.6800	0.6480	0.7697	Ave		0.7309				6.7		30.0			
Acrolein	+++++ 0.3223	+++++ 0.3370	+++++ 0.2854	0.2882	0.3216	Ave		0.3109				7.4		30.0			
Freon TF	+++++ 2.5254	2.8189 2.4974	2.4970 2.2858	2.1410	2.5455	Ave		2.4730				8.6		30.0			
1,1-Dichloroethene	+++++ 1.2418	1.3411 1.2394	1.2189 1.1621	1.0369	1.2485	Ave		1.2126				7.7		30.0			
Acetone	+++++ 1.5171	+++++ 1.4624	+++++ 1.1726	1.7194	1.7603	Ave		1.5263				15.0		30.0			
Carbon disulfide	+++++ 2.9759	+++++ 2.9215	3.9314 2.6770	2.5509	3.0745	Ave		3.0219				16.0		30.0			
Isopropyl alcohol	+++++ 1.3176	+++++ 1.2519	+++++ 1.0955	1.2309	1.5403	Ave		1.2873				13.0		30.0			
3-Chloropropene	+++++ 1.2026	1.1951 1.1564	1.2704 1.0474	1.0641	1.2102	Ave		1.1637				7.0		30.0			
Acetonitrile	+++++ 0.6831	+++++ 0.6430	+++++ 0.5795	0.6142	0.7346	Ave		0.6509				9.3		30.0			
Methylene Chloride	+++++ 1.0400	+++++ 1.0125	1.2589 0.9132	0.9787	1.0796	Ave		1.0471				11.0		30.0			
tert-Butyl alcohol	+++++ 1.9259	+++++ 1.8883	+++++ 1.6895	1.6225	2.1701	Ave		1.8593				12.0		30.0			
Methyl tert-butyl ether	+++++ 3.3653	3.4592 3.3181	3.2506 3.0523	2.8282	3.4122	Ave		3.2408				6.9		30.0			
trans-1,2-Dichloroethene	+++++ 1.4923	1.5928 1.4539	1.4855 1.3318	1.3037	1.5267	Ave		1.4552				7.1		30.0			
Acrylonitrile	+++++ 0.7363	+++++ 0.7227	0.7289 0.6687	0.6303	0.7621	Ave		0.7082				6.9		30.0			
n-Hexane	+++++ 1.6698	2.6653 1.6254	1.6990 1.4699	1.4978	1.7144	Ave		1.7631				23.0		30.0			
1,1-Dichloroethane	1.9116 1.9762	2.0887 1.9325	1.9840 1.7506	1.7153	2.0326	Ave		1.9239				6.8		30.0			
Vinyl acetate	+++++ 2.4974	+++++ 2.3841	+++++ 2.1287	2.1905	2.5835	Ave		2.3568				8.3		30.0			
cis-1,2-Dichloroethene	+++++ 1.3976	1.5045 1.3873	1.3897 1.2706	1.1755	1.4184	Ave		1.3634				7.9		30.0			
Methyl Ethyl Ketone	+++++ 0.6294	+++++ 0.6147	0.8806 0.5379	0.5563	0.6463	Ave		0.6442				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.: 200-23114-1 Analy Batch No.: 73568

SDG No.:

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

Calibration Start Date: 06/14/2014 09:46 Calibration End Date: 06/15/2014 00:33 Calibration ID: 27113

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Ethyl acetate	+++++ 0.1134	+++++ 0.1144	+++++ 0.1060	0.0917	0.1157	Ave		0.1082				9.2		30.0			
Tetrahydrofuran	+++++ 0.2230	+++++ 0.2123	+++++ 0.1967	0.1948	0.2335	Ave		0.2121				7.9		30.0			
Chloroform	+++++ 2.4375	2.5945 2.3964	2.4764 2.1993	2.0797	2.4811	Ave		2.3807				7.5		30.0			
Cyclohexane	+++++ 0.3865	0.4115 0.3777	0.3707 0.3454	0.3162	0.3868	Ave		0.3707				8.4		30.0			
1,1,1-Trichloroethane	+++++ 0.5496	0.5731 0.5425	0.5285 0.5054	0.4495	0.5500	Ave		0.5284				7.7		30.0			
Carbon tetrachloride	0.5798 0.6169	0.6021 0.5988	0.5490 0.5890	0.4870	0.6103	Ave		0.5791				7.4		30.0			
2,2,4-Trimethylpentane	+++++ 1.1448	1.2383 1.0972	1.1545 0.9700	0.9876	1.1779	Ave		1.1101				8.9		30.0			
Benzene	+++++ 0.8024	0.9150 0.7822	0.7958 0.7148	0.6739	0.8083	Ave		0.7846				9.8		30.0			
1,2-Dichloroethane	+++++ 0.2989	0.3126 0.2893	0.2953 0.2724	0.2540	0.3050	Ave		0.2897				7.0		30.0			
n-Heptane	+++++ 0.3806	0.6051 0.3589	0.4043 0.3163	0.3458	0.3961	Ave		0.4010				24.0		30.0			
n-Butanol	+++++ 0.1346	+++++ 0.1247	+++++ 0.1206	0.1063	0.1421	Ave		0.1256				11.0		30.0			
Trichloroethene	0.4137 0.3749	0.3902 0.3689	0.3678 0.3458	0.3047	0.3740	Ave		0.3675				8.7		30.0			
1,2-Dichloropropane	+++++ 0.2795	0.2898 0.2717	0.2733 0.2548	0.2340	0.2820	Ave		0.2693				7.0		30.0			
Methyl methacrylate	+++++ 0.2865	+++++ 0.2794	0.2470 0.2649	0.2295	0.2857	Ave		0.2655				8.7		30.0			
1,4-Dioxane	+++++ 0.1403	+++++ 0.1346	+++++ 0.1219	0.1181	0.1624	Ave		0.1355				13.0		30.0			
Dibromomethane	+++++ 0.4609	0.4704 0.4678	0.3995 0.4530	0.3503	0.4487	Ave		0.4358				10.0		30.0			
Bromodichloromethane	+++++ 0.5609	0.5254 0.5498	0.4956 0.5147	0.4537	0.5622	Ave		0.5232				7.5		30.0			
cis-1,3-Dichloropropene	+++++ 0.4393	0.3888 0.4333	0.3710 0.4102	0.3446	0.4368	Ave		0.4034				9.1		30.0			
methyl isobutyl ketone	+++++ 0.4854	+++++ 0.4591	0.4731 0.4112	0.4243	0.5134	Ave		0.4611				8.3		30.0			
n-Octane	+++++ 0.4954	0.7386 0.4500	0.5615 0.3536	0.4773	0.5338	Ave		0.5158				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.: 200-23114-1 Analy Batch No.: 73568

SDG No.:

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

Calibration Start Date: 06/14/2014 09:46 Calibration End Date: 06/15/2014 00:33 Calibration ID: 27113

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Toluene	+++++ 0.6872	0.8821 0.6641	0.8969 0.5693	0.5791	0.6959	Ave		0.7106				19.0		30.0			
trans-1,3-Dichloropropene	+++++ 0.4427	0.3670 0.4386	0.3570 0.4150	0.3458	0.4416	Ave		0.4011				11.0		30.0			
1,1,2-Trichloroethane	+++++ 0.3181	0.3313 0.3129	0.3092 0.2942	0.2603	0.3186	Ave		0.3064				7.6		30.0			
Tetrachloroethene	0.7757 0.7688	0.8034 0.7741	0.6946 0.7254	0.5951	0.7510	Ave		0.7360				9.0		30.0			
Methyl Butyl Ketone (2-Hexanone)	+++++ 0.5048	+++++ 0.4811	0.5012 0.4317	0.4407	0.5326	Ave		0.4820				8.1		30.0			
Dibromochloromethane	+++++ 0.7857	0.6642 0.7898	0.6074 0.7415	0.5913	0.7673	Ave		0.7067				12.0		30.0			
1,2-Dibromoethane	+++++ 0.6404	0.6092 0.6348	0.5702 0.5930	0.5085	0.6352	Ave		0.5988				7.9		30.0			
Chlorobenzene	+++++ 1.0186	1.0903 1.0063	0.9993 0.9121	0.8314	1.0171	Ave		0.9822				8.6		30.0			
Ethylbenzene	+++++ 1.4750	1.5757 1.4210	1.4583 1.2258	1.2404	1.4950	Ave		1.4130				9.3		30.0			
n-Nonane	+++++ 0.5984	0.8019 0.5666	0.6037 0.4747	0.5397	0.6204	Ave		0.6008				17.0		30.0			
m,p-Xylene	+++++ 0.6418	0.6699 0.6103	0.6108 0.4934	0.5457	0.6556	Ave		0.6039				11.0		30.0			
Xylene, o-	+++++ 0.6567	0.6498 0.6427	0.6040 0.5656	0.5381	0.6604	Ave		0.6168				7.9		30.0			
Styrene	+++++ 1.0061	0.8035 0.9399	0.8466 0.8483	0.8035	1.0157	Ave		0.8948				10.0		30.0			
Bromoform	+++++ 0.8922	0.6343 0.8931	0.5942 0.8150	0.6259	0.8554	Ave		0.7586				18.0		30.0			
Cumene	+++++ 1.7851	1.8964 1.6964	1.6995 1.3806	1.5161	1.8202	Ave		1.6849				11.0		30.0			
1,1,2,2-Tetrachloroethane	+++++ 0.8198	0.7999 0.7900	0.7951 0.6886	0.6969	0.8378	Ave		0.7754				7.6		30.0			
n-Propylbenzene	+++++ 1.9868	2.1239 1.8504	1.9791 1.4220	1.7411	2.0659	Ave		1.8813				13.0		30.0			
1,2,3-Trichloropropane	+++++ 0.6303	+++++ 0.6044	0.6457 0.5138	0.5428	0.6512	Ave		0.5980				9.6		30.0			
n-Decane	+++++ 0.7802	+++++ 0.7205	0.7911 0.5728	0.7134	0.8210	Ave		0.7332				12.0		30.0			
4-Ethyltoluene	+++++ 1.7906	1.8429 1.6884	1.7138 1.3265	1.5325	1.8452	Ave		1.6771				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.: 200-23114-1 Analy Batch No.: 73568

SDG No.:

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

Calibration Start Date: 06/14/2014 09:46 Calibration End Date: 06/15/2014 00:33 Calibration ID: 27113

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
2-Chlorotoluene	+++++ 1.4364	1.4882 1.3785	1.4333 1.1607	1.2263	1.4765	Ave		1.3714				9.3		30.0			
1,3,5-Trimethylbenzene	+++++ 1.5305	1.5387 1.4525	1.4627 1.1959	1.2838	1.5604	Ave		1.4321				9.7		30.0			
Alpha Methyl Styrene	+++++ 0.8677	0.5930 0.6429	0.6652 0.7617	0.6737	0.8671	Ave		0.7245				15.0		30.0			
tert-Butylbenzene	+++++ 1.5620	1.6396 1.4995	1.4698 1.2458	1.3126	1.5867	Ave		1.4737				9.9		30.0			
1,2,4-Trimethylbenzene	+++++ 1.5391	1.5285 1.4714	1.4588 1.2181	1.2908	1.5712	Ave		1.4397				9.3		30.0			
sec-Butylbenzene	+++++ 2.1742	2.3225 2.0315	2.1357 1.5870	1.8820	2.2499	Ave		2.0547				12.0		30.0			
4-Isopropyltoluene	+++++ 1.9681	1.9802 1.8458	1.8355 1.4650	1.6629	2.0167	Ave		1.8249				11.0		30.0			
1,3-Dichlorobenzene	+++++ 1.2257	1.0505 1.2077	1.0616 1.0492	0.9762	1.2346	Ave		1.1151				9.4		30.0			
1,4-Dichlorobenzene	+++++ 1.2124	0.9927 1.1987	0.9952 1.0516	0.9526	1.2254	Ave		1.0898				11.0		30.0			
Benzyl chloride	+++++ 1.1314	0.6066 1.1373	0.6306 1.0352	0.8219	1.0148	Ave		0.9111				25.0		30.0			
n-Undecane	+++++ 0.8161	+++++ 0.7086	+++++ 0.5342	0.7799	0.8993	Ave		0.7476				18.0		30.0			
n-Butylbenzene	+++++ 1.5698	1.5763 1.4472	1.5592 1.1047	1.3863	1.6533	Ave		1.4710				13.0		30.0			
1,2-Dichlorobenzene	+++++ 1.1715	1.0757 1.1570	1.0666 1.0309	0.9387	1.1723	Ave		1.0875				8.0		30.0			
n-Dodecane	+++++ 0.7676	+++++ 0.6403	+++++ 0.3633	0.7102	0.8832	Ave		0.6729				29.0		30.0			
1,2,4-Trichlorobenzene	+++++ 0.9576	+++++ 0.9572	0.7604 0.9265	0.6970	0.9887	Ave		0.8812				14.0		30.0			
Hexachlorobutadiene	+++++ 1.0137	0.9228 0.9710	0.8277 0.9472	0.7628	0.9964	Ave		0.9202				10.0		30.0			
Naphthalene	+++++ 1.7878	+++++ 1.7209	1.5991 1.6266	1.3908	2.0348	Ave		1.6933				13.0		30.0			
1,2,3-Trichlorobenzene	+++++ 0.8778	0.6172 0.8663	0.8222 0.8208	0.6840	0.9379	Ave		0.8037				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 RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-23114-1 Analy Batch No.: 73568

SDG No.:

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

Calibration Start Date: 06/14/2014 09:46 Calibration End Date: 06/15/2014 00:33 Calibration ID: 27113

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-73568/16	8058_016.d
Level 2	IC 200-73568/17	8058_017.d
Level 3	IC 200-73568/5	8058_005.d
Level 4	IC 200-73568/6	8058_006.d
Level 5	ICIS 200-73568/7	8058_007.d
Level 6	IC 200-73568/8	8058_008.d
Level 7	IC 200-73568/9	8058_009.d
Level 8	IC 200-73568/10	8058_010.d

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Propylene	BCM	Ave	+++++ 692857	+++++ 951503	28691 1771444	197892	469817	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Dichlorodifluoromethane	BCM	Ave	+++++ 2910832	+++++ 4061763	98548 7608629	747607	1933403	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Freon 22	BCM	Ave	+++++ 1440544	+++++ 1977624	50950 3737410	382300	961488	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,2-Dichlorotetrafluoroethane	BCM	Ave	+++++ 2859089	39355 3999205	95767 7449174	735932	1899518	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chloromethane	BCM	Ave	+++++ 843772	+++++ 1166980	31042 2247763	222466	558815	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Butane	BCM	Ave	+++++ 1411470	+++++ 1955904	47858 3587962	390938	960486	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Vinyl chloride	BCM	Ave	2909 1071516	13826 1500404	33855 2850110	267428	709375	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Butadiene	BCM	Ave	+++++ 769038	9568 1080934	23717 2009737	191528	514526	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromomethane	BCM	Ave	+++++ 1034511	15004 1465810	35479 2763377	268550	694003	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chloroethane	BCM	Ave	+++++ 610178	+++++ 837573	19920 1664221	152928	397081	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Isopentane	BCM	Ave	+++++ 1068305	17811 1444837	37034 2757769	285950	714580	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromoethene(Vinyl Bromide)	BCM	Ave	+++++ 1317386	17540 1888632	40219 3680703	317453	846732	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Trichlorofluoromethane	BCM	Ave	+++++ 3166856	43494 4478206	102321 8531996	802571	2066602	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Pentane	BCM	Ave	+++++ 1613354	+++++ 2205967	54820 4126826	445837	1082869	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Ethanol	BCM	Ave	+++++ 526428	+++++ 1057254	144553 2329022	259516	423144	+++++ 20.0	+++++ 40.0	5.01 100.0	9.99	15.0

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

Lab Name: TestAmerica Burlington Job No.: 200-23114-1 Analy Batch No.: 73568

SDG No.:

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

Calibration Start Date: 06/14/2014 09:46 Calibration End Date: 06/15/2014 00:33 Calibration ID: 27113

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Ethyl ether	BCM	Ave	+++++ 729054	9356 1017137	23082 1961106	182930	478447	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acrolein	BCM	Ave	+++++ 311843	+++++ 466890	+++++ 823251	81340	199914	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Freon TF	BCM	Ave	+++++ 2443487	33835 3460270	76718 6592500	604357	1582240	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1-Dichloroethene	BCM	Ave	+++++ 1201494	16097 1717262	37448 3351521	292687	776062	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acetone	BCM	Ave	+++++ 1467844	+++++ 2026274	+++++ 3381803	485345	1094199	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Carbon disulfide	BCM	Ave	+++++ 2879345	+++++ 4047890	120790 7720723	720064	1911050	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Isopropyl alcohol	BCM	Ave	+++++ 1274876	+++++ 1734629	+++++ 3159644	347447	957457	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
3-Chloropropene	BCM	Ave	+++++ 1163542	14345 1602291	39032 3020811	300368	752218	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acetonitrile	BCM	Ave	+++++ 660902	+++++ 890921	+++++ 1671451	173374	456622	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Methylene Chloride	BCM	Ave	+++++ 1006237	+++++ 1402836	38678 2633913	276254	671046	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
tert-Butyl alcohol	BCM	Ave	+++++ 1863403	+++++ 2616375	+++++ 4872730	458005	1348885	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Methyl tert-butyl ether	BCM	Ave	+++++ 3256093	41521 4597376	99873 8803355	798346	2120966	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
trans-1,2-Dichloroethene	BCM	Ave	+++++ 1443844	19118 2014404	45642 3841124	368004	948948	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acrylonitrile	BCM	Ave	+++++ 712427	+++++ 1001401	22395 1928594	177908	473690	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Hexane	BCM	Ave	+++++ 1615681	31992 2252142	52199 4239416	422795	1065615	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1-Dichloroethane	BCM	Ave	5169 1912064	25071 2677573	60956 5048951	484195	1263420	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Vinyl acetate	BCM	Ave	+++++ 2416387	+++++ 3303385	+++++ 6139398	618341	1605843	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
cis-1,2-Dichloroethene	BCM	Ave	+++++ 1352225	18059 1922125	42698 3664569	331827	881650	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl Ethyl Ketone	BCM	Ave	+++++ 608947	+++++ 851760	27057 1551517	157025	401738	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Ethyl acetate	BCM	Ave	+++++ 109767	+++++ 158528	+++++ 305628	25885	71925	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Tetrahydrofuran	DFB	Ave	+++++ 1039410	+++++ 1422715	+++++ 2674556	272419	705701	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00

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

Lab Name: TestAmerica Burlington Job No.: 200-23114-1 Analy Batch No.: 73568

SDG No.:

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

Calibration Start Date: 06/14/2014 09:46 Calibration End Date: 06/15/2014 00:33 Calibration ID: 27113

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Chloroform	BCM	Ave	+++++ 2358421	31142 3320360	76086 6343073	587069	1542191	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Cyclohexane	DFB	Ave	+++++ 1800908	24186 2530869	56284 4697055	442047	1168879	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,1-Trichloroethane	DFB	Ave	+++++ 2561294	33683 3634554	80247 6873978	628498	1662042	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Carbon tetrachloride	DFB	Ave	7713 2874816	35388 4012020	83365 8010150	680928	1844146	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2,2,4-Trimethylpentane	DFB	Ave	+++++ 5334952	72781 7351362	175299 13192719	1380918	3559291	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Benzene	DFB	Ave	+++++ 3739090	53777 5240982	120833 9720994	942298	2442468	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloroethane	DFB	Ave	+++++ 1393139	18375 1938565	44842 3704274	355115	921601	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Heptane	DFB	Ave	+++++ 1773580	35562 2404421	61388 4302203	483453	1196799	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Butanol	DFB	Ave	+++++ 627214	+++++ 835337	+++++ 1639585	148627	429267	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Trichloroethene	DFB	Ave	5503 1747105	22936 2472001	55843 4703106	426021	1130167	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloropropane	DFB	Ave	+++++ 1302619	17033 1820493	41500 3465686	327230	852063	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl methacrylate	DFB	Ave	+++++ 1335036	+++++ 1872071	37507 3602894	320907	863230	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,4-Dioxane	DFB	Ave	+++++ 653911	+++++ 901913	+++++ 1657574	165196	490757	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Dibromomethane	DFB	Ave	+++++ 2147639	27649 3134433	60656 6160960	489857	1355809	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromodichloromethane	DFB	Ave	+++++ 2613934	30880 3684023	75255 6999443	634319	1699009	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
cis-1,3-Dichloropropene	DFB	Ave	+++++ 2047179	22851 2903522	56329 5578997	481858	1319964	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
methyl isobutyl ketone	DFB	Ave	+++++ 2261803	+++++ 3076004	71834 5592620	593274	1551269	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Octane	DFB	Ave	+++++ 2308838	43409 3015372	85250 4809017	667434	1613015	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Toluene	CBZ	Ave	+++++ 2936589	46690 4054395	122842 7043017	740073	1935272	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
trans-1,3-Dichloropropene	DFB	Ave	+++++ 2063052	21571 2938865	54203 5644203	483487	1334289	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2-Trichloroethane	CBZ	Ave	+++++ 1359121	17536 1909935	42354 3639849	332673	886121	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

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

Lab Name: TestAmerica Burlington Job No.: 200-23114-1 Analy Batch No.: 73568

SDG No.:

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

Calibration Start Date: 06/14/2014 09:46 Calibration End Date: 06/15/2014 00:33 Calibration ID: 27113

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Tetrachloroethene	CBZ	Ave	9162 3285183	42526 4725517	95133 8974952	760503	2088563	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl Butyl Ketone (2-Hexanone)	CBZ	Ave	+++++ 2157179	+++++ 2937185	68643 5340909	563187	1481133	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Dibromochloromethane	CBZ	Ave	+++++ 3357225	35159 4821729	83194 9173337	755633	2133863	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dibromoethane	CBZ	Ave	+++++ 2736481	32249 3875155	78099 7336033	649919	1766627	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chlorobenzene	CBZ	Ave	+++++ 4352768	57712 6143539	136867 11284649	1062572	2828706	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Ethylbenzene	CBZ	Ave	+++++ 6302731	83407 8674873	199740 15165124	1585196	4157719	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Nonane	CBZ	Ave	+++++ 2556824	42449 3458850	82690 5873494	689710	1725249	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
m,p-Xylene	CBZ	Ave	+++++ 5485150	70917 7451684	167318 12208966	1394934	3646323	+++++ 30.0	0.401 40.0	1.00 80.0	9.99	20.0
Xylene, o-	CBZ	Ave	+++++ 2806217	34397 3923558	82736 6997225	687636	1836715	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Styrene	CBZ	Ave	+++++ 4299320	42532 5737755	115962 10494982	1026893	2824642	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromoform	CBZ	Ave	+++++ 3812482	33576 5452167	81382 10083003	799953	2378879	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Cumene	CBZ	Ave	+++++ 7628058	100381 10356587	232776 17080367	1937563	5061976	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2,2-Tetrachloroethane	CBZ	Ave	+++++ 3503138	42339 4823035	108909 8518880	890654	2329893	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Propylbenzene	CBZ	Ave	+++++ 8489813	112425 11296326	271077 17592520	2225165	5745350	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2,3-Trichloropropane	CBZ	Ave	+++++ 2693181	+++++ 3689873	88437 6356239	693732	1811073	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Decane	CBZ	Ave	+++++ 3334014	+++++ 4398332	108353 7086822	911682	2283318	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
4-Ethyltoluene	CBZ	Ave	+++++ 7651300	97551 10307652	234733 16411245	1958494	5131642	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2-Chlorotoluene	CBZ	Ave	+++++ 6137873	78772 8415712	196319 14360093	1567267	4106250	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3,5-Trimethylbenzene	CBZ	Ave	+++++ 6540016	81446 8867452	200347 14795627	1640731	4339590	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Alpha Methyl Styrene	CBZ	Ave	+++++ 3707868	31387 3925078	91112 9423340	860947	2411568	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
tert-Butylbenzene	CBZ	Ave	+++++ 6674529	86788 9154073	201317 15413556	1677467	4412729	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

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

Lab Name: TestAmerica Burlington Job No.: 200-23114-1 Analy Batch No.: 73568

SDG No.:

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

Calibration Start Date: 06/14/2014 09:46 Calibration End Date: 06/15/2014 00:33 Calibration ID: 27113

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,2,4-Trimethylbenzene	CBZ	Ave	+++++ 6576813	80906 8982477	199810 15069740	1649626	4369672	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
sec-Butylbenzene	CBZ	Ave	+++++ 9290663	122936 12402136	292530 19634253	2405166	6257024	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
4-Isopropyltoluene	CBZ	Ave	+++++ 8409771	104819 11268593	251401 18124664	2125241	5608679	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Dichlorobenzene	CBZ	Ave	+++++ 5237605	55608 7372882	145401 12980976	1247575	3433407	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,4-Dichlorobenzene	CBZ	Ave	+++++ 5180659	52544 7317633	136314 13010045	1217482	3407885	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Benzyl chloride	CBZ	Ave	+++++ 4834437	32111 6942988	86377 12807793	1050437	2822199	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Undecane	CBZ	Ave	+++++ 3487267	+++++ 4325990	+++++ 6609261	996662	2500936	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
n-Butylbenzene	CBZ	Ave	+++++ 6707811	83439 8834923	213563 13667013	1771724	4597886	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichlorobenzene	CBZ	Ave	+++++ 5006056	56937 7063418	146086 12754739	1199685	3260124	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Dodecane	CBZ	Ave	+++++ 3279874	+++++ 3909122	+++++ 4494545	907645	2456241	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
1,2,4-Trichlorobenzene	CBZ	Ave	+++++ 4092050	+++++ 5843441	104158 11463036	890796	2749600	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Hexachlorobutadiene	CBZ	Ave	+++++ 4331819	48847 5927691	113372 11719000	974898	2771121	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Naphthalene	CBZ	Ave	+++++ 7639569	+++++ 10505873	219022 20124744	1777404	5658932	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,2,3-Trichlorobenzene	CBZ	Ave	+++++ 3751034	32670 5288687	112610 10155190	874223	2608308	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

Curve Type Legend:
Ave = Average ISTD

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

Lab Name: TestAmerica Burlington Job No.: 200-23144-1 Analy Batch No.: 74492

SDG No.:

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

Calibration Start Date: 07/02/2014 16:53 Calibration End Date: 07/02/2014 22:50 Calibration ID: 27459

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-74492/3	8394_003.D
Level 2	IC 200-74492/4	8394_004.D
Level 3	IC 200-74492/5	8394_005.D
Level 4	IC 200-74492/6	8394_006.D
Level 5	ICIS 200-74492/7	8394_007.D
Level 6	IC 200-74492/8	8394_008.D
Level 7	IC 200-74492/9	8394_009.D
Level 8	IC 200-74492/10	8394_010.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Propylene	+++++ 0.2221	+++++ 0.2215	0.2768 0.2077	0.2438	0.2310	Ave		0.2338				10.0		30.0			
Dichlorodifluoromethane	+++++ 1.8362	+++++ 1.8186	2.0429 1.6439	2.0002	1.8861	Ave		1.8713				7.6		30.0			
Freon 22	+++++ 0.6990	+++++ 0.6988	0.7730 0.6423	0.7845	0.7217	Ave		0.7199				7.3		30.0			
1,2-Dichlorotetrafluoroethane	+++++ 1.5484	1.8886 1.5238	1.7738 1.3774	1.7231	1.6006	Ave		1.6337				11.0		30.0			
Chloromethane	+++++ 0.3486	+++++ 0.3462	0.3926 0.3266	0.3826	0.3588	Ave		0.3592				6.8		30.0			
n-Butane	+++++ 0.4296	+++++ 0.4310	0.5139 0.3995	0.4844	0.4446	Ave		0.4505				9.2		30.0			
Vinyl chloride	0.6601 0.4622	0.5456 0.4627	0.5177 0.4337	0.5132	0.4752	Ave		0.5088				14.0		30.0			
1,3-Butadiene	+++++ 0.2812	0.3467 0.2807	0.3205 0.2616	0.3095	0.2877	Ave		0.2983				9.7		30.0			
Bromomethane	+++++ 0.6697	0.8043 0.6713	0.7225 0.6224	0.7255	0.6845	Ave		0.7000				8.3		30.0			
Chloroethane	+++++ 0.1712	+++++ 0.1722	0.1948 0.1631	0.1827	0.1740	Ave		0.1763				6.2		30.0			
Isopentane	+++++ 0.2618	0.3163 0.2589	0.2983 0.2438	0.2881	0.2693	Ave		0.2766				9.1		30.0			
Bromoethene(Vinyl Bromide)	+++++ 0.8023	0.8782 0.7973	0.8322 0.7483	0.8588	0.8108	Ave		0.8183				5.3		30.0			
Trichlorofluoromethane	+++++ 2.0092	2.3216 1.9991	2.2060 1.8584	2.1850	2.0592	Ave		2.0912				7.4		30.0			
n-Pentane	+++++ 0.4409	+++++ 0.4386	0.5323 0.4134	0.4930	0.4573	Ave		0.4626				9.3		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Burlington Job No.: 200-23144-1 Analy Batch No.: 74492

SDG No.:

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

Calibration Start Date: 07/02/2014 16:53 Calibration End Date: 07/02/2014 22:50 Calibration ID: 27459

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Ethanol	+++++ 0.0987	+++++ 0.1196	0.1151 0.1036	0.1274	0.1017	Ave		0.1110				10.0		30.0			
Ethyl ether	+++++ 0.2305	0.2659 0.2333	0.2601 0.2205	0.2498	0.2387	Ave		0.2427				6.8		30.0			
Acrolein	+++++ 0.0991	+++++ 0.1051	+++++ 0.0901	0.1220	0.1018	Ave		0.1036				11.0		30.0			
Freon TF	+++++ 1.3183	1.4910 1.3097	1.4796 1.1963	1.4444	1.3595	Ave		1.3713				7.8		30.0			
1,1-Dichloroethene	+++++ 0.5667	0.6742 0.5674	0.6484 0.5215	0.6246	0.5873	Ave		0.5986				8.9		30.0			
Acetone	+++++ 0.4862	+++++ 0.4611	+++++ 0.4603	0.5204	0.5237	Ave		0.4904				6.3		30.0			
Carbon disulfide	+++++ 1.4275	+++++ 1.4350	2.1250 1.3500	1.5477	1.4619	Ave		1.5579				18.0		30.0			
Isopropyl alcohol	+++++ 0.4118	+++++ 0.3931	+++++ 0.4000	0.3944	0.4445	Ave		0.4088				5.2		30.0			
3-Chloropropene	+++++ 0.3514	0.4598 0.3588	0.4202 0.3342	0.3917	0.3585	Ave		0.3821				12.0		30.0			
Acetonitrile	+++++ 0.1938	+++++ 0.1858	+++++ 0.1858	0.2076	0.1982	Ave		0.1943				4.7		30.0			
Methylene Chloride	+++++ 0.4168	+++++ 0.4128	0.5094 0.3871	0.4633	0.4255	Ave		0.4358				10.0		30.0			
tert-Butyl alcohol	+++++ 0.7681	+++++ 0.7320	+++++ 0.7502	0.7194	0.8165	Ave		0.7572				5.0		30.0			
Methyl tert-butyl ether	+++++ 1.3262	1.4734 1.3303	1.4324 1.2467	1.4244	1.3454	Ave		1.3684				5.7		30.0			
trans-1,2-Dichloroethene	+++++ 0.6233	0.7348 0.6191	0.6746 0.5723	0.6828	0.6355	Ave		0.6489				8.2		30.0			
Acrylonitrile	+++++ 0.2364	+++++ 0.2363	0.2392 0.2266	0.2499	0.2392	Ave		0.2379				3.1		30.0			
n-Hexane	+++++ 0.4789	0.6062 0.4714	0.5187 0.4468	0.5137	0.4845	Ave		0.5029				10.0		30.0			
1,1-Dichloroethane	1.2649 0.8878	0.9770 0.8886	0.9375 0.8401	0.9476	0.9024	Ave		0.9557				14.0		30.0			
Vinyl acetate	+++++ 0.8599	+++++ 0.8687	+++++ 0.8131	0.9352	0.8681	Ave		0.8690				5.0		30.0			
cis-1,2-Dichloroethene	+++++ 0.8446	0.9592 0.8444	0.9232 0.7893	0.9063	0.8491	Ave		0.8737				6.7		30.0			
Methyl Ethyl Ketone	+++++ 0.2558	+++++ 0.2515	0.3148 0.2423	0.2812	0.2642	Ave		0.2683				9.8		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Burlington Job No.: 200-23144-1 Analy Batch No.: 74492

SDG No.:

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

Calibration Start Date: 07/02/2014 16:53 Calibration End Date: 07/02/2014 22:50 Calibration ID: 27459

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Ethyl acetate	+++++ 0.0404	+++++ 0.0397	+++++ 0.0374	0.0421	0.0399	Ave		0.0399				4.2		30.0			
Tetrahydrofuran	+++++ 0.0671	+++++ 0.0658	+++++ 0.0622	0.0747	0.0689	Ave		0.0677				6.8		30.0			
Chloroform	+++++ 1.7444	1.9658 1.7493	1.8747 1.6206	1.8887	1.7845	Ave		1.8040				6.4		30.0			
Cyclohexane	+++++ 0.1514	0.1814 0.1503	0.1666 0.1384	0.1713	0.1566	Ave		0.1594				9.1		30.0			
1,1,1-Trichloroethane	+++++ 0.3517	0.4009 0.3481	0.3910 0.3205	0.3979	0.3592	Ave		0.3670				8.2		30.0			
Carbon tetrachloride	0.6067 0.4643	0.5130 0.4605	0.4953 0.4255	0.5177	0.4730	Ave		0.4945				11.0		30.0			
2,2,4-Trimethylpentane	+++++ 0.4623	0.5469 0.4522	0.5208 0.4044	0.5373	0.4805	Ave		0.4864				11.0		30.0			
Benzene	+++++ 0.4083	0.5395 0.4003	0.4882 0.3595	0.4769	0.4229	Ave		0.4422				14.0		30.0			
1,2-Dichloroethane	+++++ 0.2003	0.2247 0.1987	0.2174 0.1863	0.2255	0.2046	Ave		0.2082				7.1		30.0			
n-Heptane	+++++ 0.1502	0.1873 0.1469	0.1771 0.1315	0.1762	0.1562	Ave		0.1608				12.0		30.0			
n-Butanol	+++++ 0.0604	+++++ 0.0622	+++++ 0.0557	0.0643	0.0681	Ave		0.0621				7.4		30.0			
Trichloroethene	0.4193 0.2918	0.3449 0.2858	0.3289 0.2559	0.3312	0.3007	Ave		0.3198				15.0		30.0			
1,2-Dichloropropane	+++++ 0.1978	0.2165 0.1956	0.2086 0.1778	0.2185	0.2019	Ave		0.2024				6.9		30.0			
Methyl methacrylate	+++++ 0.1819	+++++ 0.1791	0.1812 0.1628	0.1951	0.1838	Ave		0.1806				5.8		30.0			
1,4-Dioxane	+++++ 0.0986	+++++ 0.0907	+++++ 0.0851	0.1047	0.1063	Ave		0.0971				9.4		30.0			
Dibromomethane	+++++ 0.4443	0.4962 0.4427	0.4663 0.4054	0.4896	0.4493	Ave		0.4563				6.8		30.0			
Bromodichloromethane	+++++ 0.5574	0.5765 0.5567	0.5552 0.5111	0.6097	0.5633	Ave		0.5614				5.2		30.0			
cis-1,3-Dichloropropene	+++++ 0.3980	0.4173 0.3954	0.3526 0.3638	0.4404	0.4022	Ave		0.3957				7.6		30.0			
methyl isobutyl ketone	+++++ 0.3252	+++++ 0.3168	0.4373 0.2861	0.3678	0.3349	Ave		0.3447				15.0		30.0			
Toluene	+++++ 0.4491	0.4762 0.4404	0.4389 0.3901	0.5498	0.4594	Ave		0.4577				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.: 200-23144-1 Analy Batch No.: 74492

SDG No.:

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

Calibration Start Date: 07/02/2014 16:53 Calibration End Date: 07/02/2014 22:50 Calibration ID: 27459

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
n-Octane	+++++ 0.3103	0.3415 0.2989	0.3209 0.2534	0.3742	0.3255	Ave		0.3178				12.0		30.0			
trans-1,3-Dichloropropene	+++++ 0.4187	0.3935 0.4149	0.3695 0.3826	0.4620	0.4232	Ave		0.4092				7.5		30.0			
1,1,2-Trichloroethane	+++++ 0.2426	0.2379 0.2333	0.2292 0.2186	0.2903	0.2494	Ave		0.2430				9.5		30.0			
Tetrachloroethene	0.8181 0.5641	0.6107 0.5679	0.5901 0.5297	0.6613	0.5686	Ave		0.6138				15.0		30.0			
Methyl Butyl Ketone (2-Hexanone)	+++++ 0.2726	+++++ 0.2649	0.3717 0.2350	0.3310	0.2795	Ave		0.2925				17.0		30.0			
Dibromochloromethane	+++++ 0.7088	0.6270 0.7096	0.6138 0.6615	0.8165	0.7150	Ave		0.6932				9.8		30.0			
1,2-Dibromoethane	+++++ 0.5404	0.5102 0.5332	0.5058 0.4895	0.6468	0.5498	Ave		0.5394				9.6		30.0			
Chlorobenzene	+++++ 0.7118	0.7728 0.7032	0.7156 0.6441	0.8542	0.7251	Ave		0.7324				9.0		30.0			
Ethylbenzene	+++++ 0.9362	0.9724 0.9197	0.9445 0.7970	1.1578	0.9667	Ave		0.9563				11.0		30.0			
n-Nonane	+++++ 0.3125	0.3313 0.3033	0.3111 0.2572	0.3997	0.3283	Ave		0.3205				13.0		30.0			
m,p-Xylene	+++++ 0.4017	0.4385 0.3878	0.4161 0.3446	0.5094	0.4247	Ave		0.4175				12.0		30.0			
Xylene, o-	+++++ 0.4352	0.4440 0.4259	0.4224 0.3727	0.5278	0.4474	Ave		0.4393				11.0		30.0			
Styrene	+++++ 0.6066	0.6086 0.5709	0.5796 0.5099	0.7771	0.6564	Ave		0.6156				14.0		30.0			
Bromoform	+++++ 0.8291	0.7182 0.8250	0.7223 0.7232	0.9577	0.8370	Ave		0.8018				11.0		30.0			
Cumene	+++++ 1.1377	1.1948 1.1256	1.1393 0.9853	1.3881	1.1780	Ave		1.1641				10.0		30.0			
1,1,2,2-Tetrachloroethane	+++++ 0.5984	0.5894 0.5845	0.5777 0.5034	0.7399	0.6233	Ave		0.6024				12.0		30.0			
n-Propylbenzene	+++++ 1.2687	1.3318 1.2360	1.3009 1.0280	1.5811	1.3209	Ave		1.2953				13.0		30.0			
1,2,3-Trichloropropane	+++++ 0.4153	+++++ 0.4023	0.4078 0.3519	0.5172	0.4307	Ave		0.4209				13.0		30.0			
n-Decane	+++++ 0.3514	+++++ 0.3219	0.3943 0.2365	0.4940	0.3884	Ave		0.3644				23.0		30.0			
4-Ethyltoluene	+++++ 1.0451	1.1744 0.9738	1.1309 0.7304	1.3470	1.1150	Ave		1.0738				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.: 200-23144-1 Analy Batch No.: 74492

SDG No.:

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

Calibration Start Date: 07/02/2014 16:53 Calibration End Date: 07/02/2014 22:50 Calibration ID: 27459

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
2-Chlorotoluene	+++++ 0.8084	0.9412 0.7457	0.9127 0.5708	1.0740	0.8708	Ave		0.8462				19.0		30.0			
1,3,5-Trimethylbenzene	+++++ 0.9300	0.9932 0.8773	0.9485 0.7714	1.1603	0.9817	Ave		0.9518				12.0		30.0			
Alpha Methyl Styrene	+++++ 0.5417	0.5146 0.5172	0.5058 0.4577	0.6658	0.5754	Ave		0.5397				12.0		30.0			
tert-Butylbenzene	+++++ 0.9034	1.0020 0.8529	0.9748 0.7730	1.1757	0.9871	Ave		0.9527				13.0		30.0			
1,2,4-Trimethylbenzene	+++++ 0.8661	0.9903 0.8381	0.9690 0.7491	1.1797	0.9560	Ave		0.9355				15.0		30.0			
sec-Butylbenzene	+++++ 1.2685	1.4460 1.1851	1.3826 0.9786	1.6963	1.3974	Ave		1.3363				17.0		30.0			
4-Isopropyltoluene	+++++ 1.1355	1.2745 1.0666	1.2437 0.8878	1.5052	1.2534	Ave		1.1953				16.0		30.0			
1,3-Dichlorobenzene	+++++ 0.7778	0.9271 0.7494	0.8746 0.6587	1.0399	0.8573	Ave		0.8407				15.0		30.0			
1,4-Dichlorobenzene	+++++ 0.8728	0.9233 0.8340	0.8999 0.7106	1.0558	0.9022	Ave		0.8855				12.0		30.0			
Benzyl chloride	+++++ 0.7124	0.7804 0.7916	0.7895 0.5995	1.0328	0.7770	Ave		0.7833				17.0		30.0			
n-Butylbenzene	+++++ 0.8752	0.9875 0.8159	1.0158 0.6759	1.2360	1.0040	Ave		0.9443				19.0		30.0			
n-Undecane	+++++ 0.3475	+++++ 0.3218	+++++ 0.2624	0.5403	0.3985	Ave		0.3741				28.0		30.0			
1,2-Dichlorobenzene	+++++ 0.7735	0.8976 0.7449	0.8567 0.6672	1.0006	0.8479	Ave		0.8269				13.0		30.0			
n-Dodecane	+++++ 0.2892	+++++ 0.2959	+++++ 0.2269	0.2546	0.2650	Ave		0.2663				10.0		30.0			
1,2,4-Trichlorobenzene	+++++ 0.7595	+++++ 0.7989	0.5140 0.6651	0.8390	0.7896	Ave		0.7277				16.0		30.0			
Hexachlorobutadiene	+++++ 0.6853	0.4991 0.6750	0.6211 0.5690	0.8001	0.6927	Ave		0.6489				15.0		30.0			
Naphthalene	+++++ 1.2656	+++++ 1.4078	0.8152 1.0672	1.4045	1.4291	Ave		1.2316				20.0		30.0			
1,2,3-Trichlorobenzene	+++++ 0.6653	0.0619 0.7211	0.2120 0.6060	0.6810	0.6687	Ave		0.5166				51.0	*	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.: 200-23144-1 Analy Batch No.: 74492

SDG No.:

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

Calibration Start Date: 07/02/2014 16:53 Calibration End Date: 07/02/2014 22:50 Calibration ID: 27459

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-74492/3	8394_003.D
Level 2	IC 200-74492/4	8394_004.D
Level 3	IC 200-74492/5	8394_005.D
Level 4	IC 200-74492/6	8394_006.D
Level 5	ICIS 200-74492/7	8394_007.D
Level 6	IC 200-74492/8	8394_008.D
Level 7	IC 200-74492/9	8394_009.D
Level 8	IC 200-74492/10	8394_010.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Propylene	BCM	Ave	+++++ 248238	+++++ 334533	10181 629961	80328	170098	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Dichlorodifluoromethane	BCM	Ave	+++++ 2052460	+++++ 2746723	75136 4986750	659036	1388924	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Freon 22	BCM	Ave	+++++ 781362	+++++ 1055477	28429 1948312	258482	531495	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,2-Dichlorotetrafluoroethane	BCM	Ave	+++++ 1730831	27887 2301387	65238 4178200	567744	1178683	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chloromethane	BCM	Ave	+++++ 389619	+++++ 522865	14441 990675	126051	264186	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Butane	BCM	Ave	+++++ 480180	+++++ 650927	18900 1211908	159615	327428	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Vinyl chloride	BCM	Ave	1960 516605	8056 698882	19041 1315601	169108	349959	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Butadiene	BCM	Ave	+++++ 314284	5120 423907	11789 793670	101988	211856	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromomethane	BCM	Ave	+++++ 748619	11877 1013830	26575 1887948	239046	504040	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chloroethane	BCM	Ave	+++++ 191365	+++++ 260103	7164 494901	60213	128119	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Isopentane	BCM	Ave	+++++ 292654	4671 391064	10970 739511	94913	198285	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromoethene(Vinyl Bromide)	BCM	Ave	+++++ 896832	12968 1204122	30607 2269898	282960	597098	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Trichlorofluoromethane	BCM	Ave	+++++ 2245848	34281 3019351	81134 5637436	719932	1516389	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Pentane	BCM	Ave	+++++ 492875	+++++ 662396	19578 1253971	162445	336759	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Ethanol	BCM	Ave	+++++ 147485	+++++ 361264	42403 785938	84040	112410	+++++ 20.0	+++++ 40.0	5.01 100.0	9.99	15.0

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

Lab Name: TestAmerica Burlington Job No.: 200-23144-1 Analy Batch No.: 74492

SDG No.:

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

Calibration Start Date: 07/02/2014 16:53 Calibration End Date: 07/02/2014 22:50 Calibration ID: 27459

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Ethyl ether	BCM	Ave	+++++ 257695	3926 352366	9565 668853	82304	175759	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acrolein	BCM	Ave	+++++ 110757	+++++ 158749	+++++ 273249	40191	74954	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Freon TF	BCM	Ave	+++++ 1473574	22017 1978116	54420 3629111	475931	1001116	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1-Dichloroethene	BCM	Ave	+++++ 633456	9955 856937	23848 1581871	205789	432465	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acetone	BCM	Ave	+++++ 543463	+++++ 696447	+++++ 1396466	171477	385646	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Carbon disulfide	BCM	Ave	+++++ 1595637	+++++ 2167289	78156 4095371	509964	1076544	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Isopropyl alcohol	BCM	Ave	+++++ 460324	+++++ 593698	+++++ 1213520	129962	327317	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
3-Chloropropene	BCM	Ave	+++++ 392816	6790 541845	15454 1013681	129047	263998	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acetonitrile	BCM	Ave	+++++ 216661	+++++ 280622	+++++ 563737	68410	145956	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Methylene Chloride	BCM	Ave	+++++ 465923	+++++ 623529	18735 1174184	152647	313322	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
tert-Butyl alcohol	BCM	Ave	+++++ 858559	+++++ 1105577	+++++ 2275587	237024	601255	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Methyl tert-butyl ether	BCM	Ave	+++++ 1482379	21757 2009215	52683 3781742	469313	990784	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
trans-1,2-Dichloroethene	BCM	Ave	+++++ 696669	10851 935122	24810 1736064	224972	467993	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acrylonitrile	BCM	Ave	+++++ 264296	+++++ 356881	8796 687328	82334	176110	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Hexane	BCM	Ave	+++++ 535339	8951 711926	19077 1355462	169269	356751	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1-Dichloroethane	BCM	Ave	3756 992349	14427 1342070	34482 2548548	312223	664527	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Vinyl acetate	BCM	Ave	+++++ 961163	+++++ 1311958	+++++ 2466517	308138	639235	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
cis-1,2-Dichloroethene	BCM	Ave	+++++ 944053	14164 1275346	33954 2394412	298629	625255	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl Ethyl Ketone	BCM	Ave	+++++ 285885	+++++ 379857	11578 735076	92649	194570	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Ethyl acetate	BCM	Ave	+++++ 45214	+++++ 59932	+++++ 113515	13862	29405	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Tetrahydrofuran	DFB	Ave	+++++ 430719	+++++ 576204	+++++ 1106888	135743	290899	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00

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

Lab Name: TestAmerica Burlington Job No.: 200-23144-1 Analy Batch No.: 74492

SDG No.:

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

Calibration Start Date: 07/02/2014 16:53 Calibration End Date: 07/02/2014 22:50 Calibration ID: 27459

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Chloroform	BCM	Ave	+++++ 1949887	29028 2641991	68952 4915950	622301	1314095	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Cyclohexane	DFB	Ave	+++++ 972806	15325 1316475	34830 2462409	311095	660836	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,1-Trichloroethane	DFB	Ave	+++++ 2259124	33861 3048069	81720 5702131	722761	1515770	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Carbon tetrachloride	DFB	Ave	10483 2982638	43332 4032530	103533 7570939	940346	1995966	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2,2,4-Trimethylpentane	DFB	Ave	+++++ 2969645	46201 3960383	108865 7195316	975981	2027474	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Benzene	DFB	Ave	+++++ 2622407	45568 3505680	102043 6395577	866366	1784486	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloroethane	DFB	Ave	+++++ 1286886	18984 1739793	45451 3314147	409558	863241	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Heptane	DFB	Ave	+++++ 964807	15822 1286239	37010 2340510	320065	659127	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Butanol	DFB	Ave	+++++ 387928	+++++ 544324	+++++ 990577	116839	287275	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Trichloroethene	DFB	Ave	7245 1874574	29130 2502989	68741 4552400	601665	1268564	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloropropane	DFB	Ave	+++++ 1270840	18291 1712858	43604 3164014	396923	851826	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl methacrylate	DFB	Ave	+++++ 1168433	+++++ 1568102	37868 2895793	354345	775397	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,4-Dioxane	DFB	Ave	+++++ 633593	+++++ 794147	+++++ 1513809	190151	448454	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Dibromomethane	DFB	Ave	+++++ 2853915	41918 3877032	97463 7212136	889445	1895687	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromodichloromethane	DFB	Ave	+++++ 3580395	48696 4874941	116055 9094120	1107576	2376718	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
cis-1,3-Dichloropropene	DFB	Ave	+++++ 2556635	35253 3462439	73709 6472768	800005	1696969	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
methyl isobutyl ketone	DFB	Ave	+++++ 2088690	+++++ 2774196	91397 5091128	668136	1412894	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Toluene	CBZ	Ave	+++++ 3405892	46684 4560578	106348 8223022	1091891	2285976	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Octane	DFB	Ave	+++++ 1993459	28850 2617124	67072 4508533	679811	1373381	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
trans-1,3-Dichloropropene	DFB	Ave	+++++ 2689208	33239 3633133	77239 6807440	839204	1785664	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2-Trichloroethane	CBZ	Ave	+++++ 1839935	23326 2415800	55540 4606487	576495	1240809	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

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

Lab Name: TestAmerica Burlington Job No.: 200-23144-1 Analy Batch No.: 74492

SDG No.:

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

Calibration Start Date: 07/02/2014 16:53 Calibration End Date: 07/02/2014 22:50 Calibration ID: 27459

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Tetrachloroethene	CBZ	Ave	16530 4277622	59866 5881274	142977 11164328	1313294	2829359	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl Butyl Ketone (2-Hexanone)	CBZ	Ave	+++++ 2067147	+++++ 2742915	90071 4954036	657345	1390936	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Dibromochloromethane	CBZ	Ave	+++++ 5374683	61464 7347985	148726 13941233	1621516	3557458	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dibromoethane	CBZ	Ave	+++++ 4097725	50013 5520975	122566 10316660	1284392	2735727	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chlorobenzene	CBZ	Ave	+++++ 5397449	75764 7281602	173403 13575617	1696224	3607841	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Ethylbenzene	CBZ	Ave	+++++ 7099201	95324 9524030	228858 16798557	2299201	4809938	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Nonane	CBZ	Ave	+++++ 2369525	32478 3141246	75385 5421533	793770	1633586	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
m,p-Xylene	CBZ	Ave	+++++ 6092796	85973 8031951	201629 14527284	2023026	4226010	+++++ 30.0	0.401 40.0	1.00 80.0	9.99	20.0
Xylene, o-	CBZ	Ave	+++++ 3299986	43531 4410067	102343 7856022	1048212	2225939	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Styrene	CBZ	Ave	+++++ 4600154	59660 5911640	140439 10747251	1543131	3266111	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromoform	CBZ	Ave	+++++ 6287112	70403 8543463	175025 15242409	1901837	4164584	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Cumene	CBZ	Ave	+++++ 8627384	117124 11655853	276053 20767873	2756567	5861433	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2,2-Tetrachloroethane	CBZ	Ave	+++++ 4538003	57781 6053126	139978 10610504	1469369	3101329	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Propylbenzene	CBZ	Ave	+++++ 9620625	130557 12799413	315206 21665918	3139875	6572073	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2,3-Trichloropropane	CBZ	Ave	+++++ 3149011	+++++ 4165677	98823 7417500	1027053	2143237	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Decane	CBZ	Ave	+++++ 2664452	+++++ 3333113	95538 4985061	980994	1932680	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
4-Ethyltoluene	CBZ	Ave	+++++ 7924974	115131 10084016	274011 15395459	2674878	5547856	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2-Chlorotoluene	CBZ	Ave	+++++ 6130377	92271 7722128	221154 12029937	2132794	4332664	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3,5-Trimethylbenzene	CBZ	Ave	+++++ 7052115	97367 9084821	229822 16258887	2304215	4884740	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Alpha Methyl Styrene	CBZ	Ave	+++++ 4107911	50445 5355795	122551 9646840	1322138	2862811	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
tert-Butylbenzene	CBZ	Ave	+++++ 6850331	98233 8831941	236192 16293364	2334681	4911360	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

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

Lab Name: TestAmerica Burlington Job No.: 200-23144-1 Analy Batch No.: 74492

SDG No.:

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

Calibration Start Date: 07/02/2014 16:53 Calibration End Date: 07/02/2014 22:50 Calibration ID: 27459

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,2,4-Trimethylbenzene	CBZ	Ave	+++++ 6567904	97086 8678723	234797 15788691	2342749	4756462	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
sec-Butylbenzene	CBZ	Ave	+++++ 9618961	141754 12272403	335004 20625130	3368522	6952758	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
4-Isopropyltoluene	CBZ	Ave	+++++ 8610591	124944 11044565	301362 18712796	2989165	6236657	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Dichlorobenzene	CBZ	Ave	+++++ 5898248	90887 7759937	211924 13883479	2065097	4265753	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,4-Dichlorobenzene	CBZ	Ave	+++++ 6618313	90509 8636137	218051 14976306	2096584	4489041	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Benzyl chloride	CBZ	Ave	+++++ 5402313	76506 8197057	191303 12635790	2050975	3866190	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Butylbenzene	CBZ	Ave	+++++ 6637133	96803 8448748	246135 14245155	2454528	4995441	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Undecane	CBZ	Ave	+++++ 2635136	+++++ 3331874	+++++ 5529599	1072885	1983037	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
1,2-Dichlorobenzene	CBZ	Ave	+++++ 5865567	87994 7713267	207591 14063424	1987125	4218686	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Dodecane	CBZ	Ave	+++++ 2193018	+++++ 3064336	+++++ 4782790	505603	1318300	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
1,2,4-Trichlorobenzene	CBZ	Ave	+++++ 5759291	+++++ 8272628	124545 14018212	1666134	3928763	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Hexachlorobutadiene	CBZ	Ave	+++++ 5196551	48930 6989540	150485 11992787	1588774	3446578	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Naphthalene	CBZ	Ave	+++++ 9597027	+++++ 14578294	197517 22492855	2789120	7110590	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,2,3-Trichlorobenzene	CBZ	Ave	+++++ 5044738	6067 7466788	51372 12772652	1352324	3327278	+++++ 15.0	0.200 20.0	0.500 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.: 200-23084-1

SDG No.:

Lab Sample ID: ICV 200-74492/13 Calibration Date: 07/03/2014 01:24

Instrument ID: CHG.i Calib Start Date: 07/02/2014 16:53

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 07/02/2014 22:50

Lab File ID: 8394_013.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.2338	0.2141		9.16	10.0	-8.4	30.0
Dichlorodifluoromethane	Ave	1.871	1.815		9.70	10.0	-3.0	30.0
Freon 22	Ave	0.7199	0.7010		9.74	10.0	-2.6	30.0
1,2-Dichlorotetrafluoroethane	Ave	1.634	1.736		10.6	10.0	6.3	30.0
Chloromethane	Ave	0.3592	0.3410		9.49	10.0	-5.1	30.0
n-Butane	Ave	0.4505	0.4377		9.71	10.0	-2.8	30.0
Vinyl chloride	Ave	0.5088	0.4599		9.04	10.0	-9.6	30.0
1,3-Butadiene	Ave	0.2983	0.2720		9.12	10.0	-8.8	30.0
Bromomethane	Ave	0.7000	0.6762		9.66	10.0	-3.4	30.0
Chloroethane	Ave	0.1763	0.1670		9.47	10.0	-5.3	30.0
Isopentane	Ave	0.2766	0.2840		10.3	10.0	2.7	30.0
Bromoethene(Vinyl Bromide)	Ave	0.8183	0.8003		9.78	10.0	-2.2	30.0
Trichlorofluoromethane	Ave	2.091	2.003		9.58	10.0	-4.2	30.0
n-Pentane	Ave	0.4626	0.4918		10.6	10.0	6.3	30.0
Ethanol	Ave	0.1110	0.1309		17.7	15.0	17.9	30.0
Ethyl ether	Ave	0.2427	0.2588		10.7	10.0	6.6	30.0
Acrolein	Ave	0.1036	0.1091		10.5	10.0	5.3	30.0
Freon TF	Ave	1.371	1.353		9.86	10.0	-1.4	30.0
1,1-Dichloroethene	Ave	0.5986	0.5753		9.61	10.0	-3.9	30.0
Acetone	Ave	0.4904	0.5234		10.7	10.0	6.7	30.0
Carbon disulfide	Ave	1.558	1.906		12.2	10.0	22.4	30.0
Isopropyl alcohol	Ave	0.4088	0.3535		8.64	10.0	-13.5	30.0
3-Chloropropene	Ave	0.3821	0.3418		8.94	10.0	-10.5	30.0
Acetonitrile	Ave	0.1943	0.2046		10.5	10.0	5.3	30.0
Methylene Chloride	Ave	0.4358	0.4358		10.0	10.0	0.0	30.0
tert-Butyl alcohol	Ave	0.7572	0.6822		9.01	10.0	-9.9	30.0
Methyl tert-butyl ether	Ave	1.368	1.341		9.80	10.0	-2.0	30.0
trans-1,2-Dichloroethene	Ave	0.6489	0.6686		10.3	10.0	3.0	30.0
Acrylonitrile	Ave	0.2379	0.2476		10.4	10.0	4.1	30.0
n-Hexane	Ave	0.5029	0.5157		10.3	10.0	2.5	30.0
1,1-Dichloroethane	Ave	0.9557	0.8985		9.40	10.0	-6.0	30.0
Vinyl acetate	Ave	0.8690	0.8255		9.50	10.0	-5.0	30.0
cis-1,2-Dichloroethene	Ave	0.8737	0.8398		9.61	10.0	-3.9	30.0
Methyl Ethyl Ketone	Ave	0.2683	0.2606		9.71	10.0	-2.9	30.0
Ethyl acetate	Ave	0.0399	0.0431		10.8	10.0	8.1	30.0
Tetrahydrofuran	Ave	0.0677	0.0668		9.86	10.0	-1.4	30.0
Chloroform	Ave	1.804	1.781		9.87	10.0	-1.3	30.0
Cyclohexane	Ave	0.1594	0.1537		9.64	10.0	-3.6	30.0
1,1,1-Trichloroethane	Ave	0.3670	0.3563		9.71	10.0	-2.9	30.0
Carbon tetrachloride	Ave	0.4945	0.4639		9.38	10.0	-6.2	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-23084-1

SDG No.:

Lab Sample ID: ICV 200-74492/13 Calibration Date: 07/03/2014 01:24

Instrument ID: CHG.i Calib Start Date: 07/02/2014 16:53

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 07/02/2014 22:50

Lab File ID: 8394_013.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,2,4-Trimethylpentane	Ave	0.4864	0.4621		9.50	10.0	-5.0	30.0
Benzene	Ave	0.4422	0.4153		9.39	10.0	-6.1	30.0
1,2-Dichloroethane	Ave	0.2082	0.2007		9.64	10.0	-3.6	30.0
n-Heptane	Ave	0.1608	0.1511		9.39	10.0	-6.0	30.0
n-Butanol	Ave	0.0621	0.0616		9.91	10.0	-0.9	30.0
Trichloroethene	Ave	0.3198	0.2981		9.32	10.0	-6.8	30.0
1,2-Dichloropropane	Ave	0.2024	0.1954		9.65	10.0	-3.4	30.0
Methyl methacrylate	Ave	0.1806	0.1869		10.3	10.0	3.5	30.0
1,4-Dioxane	Ave	0.0971	0.0946		9.75	10.0	-2.5	30.0
Dibromomethane	Ave	0.4563	0.4543		9.95	10.0	-0.4	30.0
Bromodichloromethane	Ave	0.5614	0.5512		9.82	10.0	-1.8	30.0
cis-1,3-Dichloropropene	Ave	0.3957	0.4004		10.1	10.0	1.2	30.0
methyl isobutyl ketone	Ave	0.3447	0.3167		9.19	10.0	-8.1	30.0
Toluene	Ave	0.4577	0.4628		10.1	10.0	1.1	30.0
n-Octane	Ave	0.3178	0.3170		9.97	10.0	-0.3	30.0
trans-1,3-Dichloropropene	Ave	0.4092	0.4210		10.3	10.0	2.9	30.0
1,1,2-Trichloroethane	Ave	0.2430	0.2466		10.1	10.0	1.4	30.0
Tetrachloroethene	Ave	0.6138	0.5878		9.57	10.0	-4.2	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.2925	0.2645		9.04	10.0	-9.6	30.0
Dibromochloromethane	Ave	0.6932	0.6887		9.93	10.0	-0.6	30.0
1,2-Dibromoethane	Ave	0.5394	0.5484		10.2	10.0	1.7	30.0
Chlorobenzene	Ave	0.7324	0.7259		9.91	10.0	-0.9	30.0
Ethylbenzene	Ave	0.9563	0.9594		10.0	10.0	0.3	30.0
n-Nonane	Ave	0.3205	0.3183		9.93	10.0	-0.7	30.0
m,p-Xylene	Ave	0.4175	0.4144		19.8	20.0	-0.8	30.0
Xylene, o-	Ave	0.4393	0.4362		9.93	10.0	-0.7	30.0
Styrene	Ave	0.6156	0.6317		10.3	10.0	2.6	30.0
Bromoform	Ave	0.8018	0.8161		10.2	10.0	1.8	30.0
Cumene	Ave	1.164	1.138		9.77	10.0	-2.3	30.0
1,1,2,2-Tetrachloroethane	Ave	0.6024	0.6122		10.2	10.0	1.6	30.0
n-Propylbenzene	Ave	1.295	1.271		9.81	10.0	-1.9	30.0
1,2,3-Trichloropropane	Ave	0.4209	0.4117		9.78	10.0	-2.2	30.0
n-Decane	Ave	0.3644	0.3681		10.1	10.0	1.0	30.0
4-Ethyltoluene	Ave	1.074	1.096		10.2	10.0	2.1	30.0
2-Chlorotoluene	Ave	0.8462	0.8329		9.84	10.0	-1.6	30.0
1,3,5-Trimethylbenzene	Ave	0.9518	0.9600		10.1	10.0	0.9	30.0
Alpha Methyl Styrene	Ave	0.5397	0.5470		10.1	10.0	1.3	30.0
tert-Butylbenzene	Ave	0.9527	0.9562		10.0	10.0	0.4	30.0
1,2,4-Trimethylbenzene	Ave	0.9355	0.9091		9.72	10.0	-2.8	30.0
sec-Butylbenzene	Ave	1.336	1.325		9.91	10.0	-0.9	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-23084-1

SDG No.:

Lab Sample ID: ICV 200-74492/13 Calibration Date: 07/03/2014 01:24

Instrument ID: CHG.i Calib Start Date: 07/02/2014 16:53

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 07/02/2014 22:50

Lab File ID: 8394_013.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Isopropyltoluene	Ave	1.195	1.204		10.1	10.0	0.7	30.0
1,3-Dichlorobenzene	Ave	0.8407	0.8232		9.79	10.0	-2.1	30.0
1,4-Dichlorobenzene	Ave	0.8855	0.8930		10.1	10.0	0.8	30.0
Benzyl chloride	Ave	0.7833	0.7213		9.21	10.0	-7.9	30.0
n-Butylbenzene	Ave	0.9443	0.9436		9.99	10.0	-0.0	30.0
n-Undecane	Ave	0.3741	0.3781		10.1	10.0	1.1	30.0
1,2-Dichlorobenzene	Ave	0.8269	0.8277		10.0	10.0	0.1	30.0
n-Dodecane	Ave	0.2663	0.3125		11.7	10.0	17.3	30.0
1,2,4-Trichlorobenzene	Ave	0.7277	0.7837		10.8	10.0	7.7	30.0
Hexachlorobutadiene	Ave	0.6489	0.7157		11.0	10.0	10.3	30.0
Naphthalene	Ave	1.232	1.284		10.4	10.0	4.3	30.0
1,2,3-Trichlorobenzene	Ave	0.5166	0.6571		12.7	10.0	27.2	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-23084-1

SDG No.:

Lab Sample ID: CCVIS 200-74747/2 Calibration Date: 07/10/2014 11:47

Instrument ID: CHG.i Calib Start Date: 07/02/2014 16:53

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 07/02/2014 22:50

Lab File ID: 8501_002.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.2338	0.2321		9.93	10.0	-0.7	30.0
Dichlorodifluoromethane	Ave	1.871	2.144		11.5	10.0	14.6	30.0
Freon 22	Ave	0.7199	0.7910		11.0	10.0	9.9	30.0
1,2-Dichlorotetrafluoroethane	Ave	1.634	1.753		10.7	10.0	7.3	30.0
Chloromethane	Ave	0.3592	0.3662		10.2	10.0	2.0	30.0
n-Butane	Ave	0.4505	0.4478		9.94	10.0	-0.6	30.0
Vinyl chloride	Ave	0.5088	0.5040		9.90	10.0	-0.9	30.0
1,3-Butadiene	Ave	0.2983	0.2945		9.87	10.0	-1.3	30.0
Bromomethane	Ave	0.7000	0.7407		10.6	10.0	5.8	30.0
Chloroethane	Ave	0.1763	0.1815		10.3	10.0	2.9	30.0
Isopentane	Ave	0.2766	0.2689		9.72	10.0	-2.8	30.0
Bromoethene(Vinyl Bromide)	Ave	0.8183	0.8482		10.4	10.0	3.7	30.0
Trichlorofluoromethane	Ave	2.091	2.261		10.8	10.0	8.1	30.0
n-Pentane	Ave	0.4626	0.4417		9.55	10.0	-4.5	30.0
Ethanol	Ave	0.1110	0.1058		14.3	15.0	-4.7	30.0
Ethyl ether	Ave	0.2427	0.2392		9.85	10.0	-1.5	30.0
Acrolein	Ave	0.1036	0.0949		9.15	10.0	-8.4	30.0
Freon TF	Ave	1.371	1.433		10.4	10.0	4.5	30.0
1,1-Dichloroethene	Ave	0.5986	0.6097		10.2	10.0	1.9	30.0
Acetone	Ave	0.4904	0.5858		11.9	10.0	19.5	30.0
Carbon disulfide	Ave	1.558	1.538		9.87	10.0	-1.3	30.0
Isopropyl alcohol	Ave	0.4088	0.4330		10.6	10.0	5.9	30.0
3-Chloropropene	Ave	0.3821	0.3528		9.23	10.0	-7.7	30.0
Acetonitrile	Ave	0.1943	0.2025		10.4	10.0	4.3	30.0
Methylene Chloride	Ave	0.4358	0.4395		10.1	10.0	0.8	30.0
tert-Butyl alcohol	Ave	0.7572	0.8292		10.9	10.0	9.5	30.0
Methyl tert-butyl ether	Ave	1.368	1.419		10.4	10.0	3.7	30.0
trans-1,2-Dichloroethene	Ave	0.6489	0.6758		10.4	10.0	4.1	30.0
Acrylonitrile	Ave	0.2379	0.2323		9.76	10.0	-2.4	30.0
n-Hexane	Ave	0.5029	0.4820		9.58	10.0	-4.1	30.0
1,1-Dichloroethane	Ave	0.9557	0.9264		9.69	10.0	-3.1	30.0
Vinyl acetate	Ave	0.8690	0.8096		9.31	10.0	-6.8	30.0
cis-1,2-Dichloroethene	Ave	0.8737	0.8590		9.83	10.0	-1.7	30.0
Methyl Ethyl Ketone	Ave	0.2683	0.2703		10.1	10.0	0.7	30.0
Ethyl acetate	Ave	0.0399	0.0397		9.94	10.0	-0.6	30.0
Tetrahydrofuran	Ave	0.0677	0.0636		9.39	10.0	-6.1	30.0
Chloroform	Ave	1.804	1.862		10.3	10.0	3.2	30.0
Cyclohexane	Ave	0.1594	0.1496		9.38	10.0	-6.2	30.0
1,1,1-Trichloroethane	Ave	0.3670	0.3713		10.1	10.0	1.2	30.0
Carbon tetrachloride	Ave	0.4945	0.4689		9.48	10.0	-5.2	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-23084-1

SDG No.:

Lab Sample ID: CCVIS 200-74747/2 Calibration Date: 07/10/2014 11:47

Instrument ID: CHG.i Calib Start Date: 07/02/2014 16:53

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 07/02/2014 22:50

Lab File ID: 8501_002.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,2,4-Trimethylpentane	Ave	0.4864	0.4489		9.23	10.0	-7.7	30.0
Benzene	Ave	0.4422	0.4099		9.27	10.0	-7.3	30.0
1,2-Dichloroethane	Ave	0.2082	0.2121		10.2	10.0	1.9	30.0
n-Heptane	Ave	0.1608	0.1466		9.12	10.0	-8.8	30.0
n-Butanol	Ave	0.0621	0.0628		10.1	10.0	1.0	30.0
Trichloroethene	Ave	0.3198	0.3063		9.58	10.0	-4.2	30.0
1,2-Dichloropropane	Ave	0.2024	0.1992		9.84	10.0	-1.6	30.0
Methyl methacrylate	Ave	0.1806	0.1806		10.0	10.0	-0.0	30.0
1,4-Dioxane	Ave	0.0971	0.1109		11.4	10.0	14.2	30.0
Dibromomethane	Ave	0.4563	0.4489		9.84	10.0	-1.6	30.0
Bromodichloromethane	Ave	0.5614	0.6075		10.8	10.0	8.2	30.0
cis-1,3-Dichloropropene	Ave	0.3957	0.4068		10.3	10.0	2.8	30.0
methyl isobutyl ketone	Ave	0.3447	0.3261		9.46	10.0	-5.4	30.0
Toluene	Ave	0.4577	0.4441		9.70	10.0	-3.0	30.0
n-Octane	Ave	0.3178	0.3194		10.0	10.0	0.5	30.0
trans-1,3-Dichloropropene	Ave	0.4092	0.4362		10.7	10.0	6.6	30.0
1,1,2-Trichloroethane	Ave	0.2430	0.2423		9.97	10.0	-0.3	30.0
Tetrachloroethene	Ave	0.6138	0.5335		8.69	10.0	-13.1	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.2925	0.2549		8.71	10.0	-12.9	30.0
Dibromochloromethane	Ave	0.6932	0.6830		9.85	10.0	-1.5	30.0
1,2-Dibromoethane	Ave	0.5394	0.5484		10.2	10.0	1.7	30.0
Chlorobenzene	Ave	0.7324	0.7028		9.59	10.0	-4.0	30.0
Ethylbenzene	Ave	0.9563	0.9565		10.0	10.0	0.0	30.0
n-Nonane	Ave	0.3205	0.3073		9.58	10.0	-4.1	30.0
m,p-Xylene	Ave	0.4175	0.4117		19.7	20.0	-1.4	30.0
Xylene, o-	Ave	0.4393	0.4313		9.81	10.0	-1.8	30.0
Styrene	Ave	0.6156	0.6366		10.3	10.0	3.4	30.0
Bromoform	Ave	0.8018	0.7648		9.54	10.0	-4.6	30.0
Cumene	Ave	1.164	1.160		9.96	10.0	-0.4	30.0
1,1,2,2-Tetrachloroethane	Ave	0.6024	0.6410		10.6	10.0	6.4	30.0
n-Propylbenzene	Ave	1.295	1.343		10.4	10.0	3.7	30.0
1,2,3-Trichloropropane	Ave	0.4209	0.4350		10.3	10.0	3.4	30.0
n-Decane	Ave	0.3644	0.3556		9.75	10.0	-2.4	30.0
4-Ethyltoluene	Ave	1.074	1.080		10.1	10.0	0.6	30.0
2-Chlorotoluene	Ave	0.8462	0.8603		10.2	10.0	1.7	30.0
1,3,5-Trimethylbenzene	Ave	0.9518	0.9806		10.3	10.0	3.0	30.0
Alpha Methyl Styrene	Ave	0.5397	0.5598		10.4	10.0	3.7	30.0
tert-Butylbenzene	Ave	0.9527	0.9691		10.2	10.0	1.7	30.0
1,2,4-Trimethylbenzene	Ave	0.9355	0.9884		10.6	10.0	5.7	30.0
sec-Butylbenzene	Ave	1.336	1.430		10.7	10.0	7.0	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-23084-1

SDG No.:

Lab Sample ID: CCVIS 200-74747/2 Calibration Date: 07/10/2014 11:47

Instrument ID: CHG.i Calib Start Date: 07/02/2014 16:53

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 07/02/2014 22:50

Lab File ID: 8501_002.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Isopropyltoluene	Ave	1.195	1.236		10.3	10.0	3.4	30.0
1,3-Dichlorobenzene	Ave	0.8407	0.8494		10.1	10.0	1.0	30.0
1,4-Dichlorobenzene	Ave	0.8855	0.8884		10.0	10.0	0.3	30.0
Benzyl chloride	Ave	0.7833	0.8021		10.2	10.0	2.4	30.0
n-Butylbenzene	Ave	0.9443	1.053		11.2	10.0	11.5	30.0
n-Undecane	Ave	0.3741	0.3999		10.7	10.0	6.9	30.0
1,2-Dichlorobenzene	Ave	0.8269	0.8505		10.3	10.0	2.9	30.0
n-Dodecane	Ave	0.2663	0.2952		11.1	10.0	10.8	30.0
1,2,4-Trichlorobenzene	Ave	0.7277	0.7351		10.1	10.0	1.0	30.0
Hexachlorobutadiene	Ave	0.6489	0.5977		9.21	10.0	-7.9	30.0
Naphthalene	Ave	1.232	1.464		11.9	10.0	18.9	30.0
1,2,3-Trichlorobenzene	Ave	0.5166	0.6397		12.4	10.0	23.8	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-23111-1

SDG No.:

Lab Sample ID: ICV 200-73568/19 Calibration Date: 06/15/2014 02:11

Instrument ID: CHW.i Calib Start Date: 06/14/2014 09:46

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 06/15/2014 00:33

Lab File ID: 8058_019.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.7346	0.7034		9.57	10.0	-4.2	30.0
Dichlorodifluoromethane	Ave	2.924	3.023		10.3	10.0	3.4	30.0
Freon 22	Ave	1.462	1.498		10.2	10.0	2.5	30.0
1,2-Dichlorotetrafluoroethane	Ave	2.926	3.348		11.4	10.0	14.4	30.0
Chloromethane	Ave	0.8652	0.8644		9.99	10.0	-0.0	30.0
n-Butane	Ave	1.434	1.464		10.2	10.0	2.1	30.0
Vinyl chloride	Ave	1.075	1.089		10.1	10.0	1.3	30.0
1,3-Butadiene	Ave	0.7639	0.7823		10.2	10.0	2.4	30.0
Bromomethane	Ave	1.080	1.107		10.3	10.0	2.5	30.0
Chloroethane	Ave	0.6068	0.6103		10.1	10.0	0.6	30.0
Isopentane	Ave	1.136	1.188		10.5	10.0	4.5	30.0
Bromoethene(Vinyl Bromide)	Ave	1.323	1.348		10.2	10.0	1.9	30.0
Trichlorofluoromethane	Ave	3.226	3.282		10.2	10.0	1.7	30.0
n-Pentane	Ave	1.633	1.862		11.4	10.0	14.0	30.0
Ethanol	Ave	0.4158	0.4073		14.7	15.0	-2.0	30.0
Ethyl ether	Ave	0.7309	0.8331		11.4	10.0	14.0	30.0
Acrolein	Ave	0.3109	0.3913		12.6	10.0	25.8	30.0
Freon TF	Ave	2.473	2.567		10.4	10.0	3.8	30.0
1,1-Dichloroethene	Ave	1.213	1.247		10.3	10.0	2.8	30.0
Acetone	Ave	1.526	1.745		11.4	10.0	14.3	30.0
Carbon disulfide	Ave	3.022	3.463		11.5	10.0	14.6	30.0
Isopropyl alcohol	Ave	1.287	1.223		9.50	10.0	-5.0	30.0
3-Chloropropene	Ave	1.164	1.159		9.95	10.0	-0.4	30.0
Acetonitrile	Ave	0.6509	0.6968		10.7	10.0	7.1	30.0
Methylene Chloride	Ave	1.047	1.064		10.2	10.0	1.6	30.0
tert-Butyl alcohol	Ave	1.859	1.866		10.0	10.0	0.4	30.0
Methyl tert-butyl ether	Ave	3.241	3.401		10.5	10.0	4.9	30.0
trans-1,2-Dichloroethene	Ave	1.455	1.607		11.0	10.0	10.4	30.0
Acrylonitrile	Ave	0.7082	0.7738		10.9	10.0	9.3	30.0
n-Hexane	Ave	1.763	1.822		10.3	10.0	3.3	30.0
1,1-Dichloroethane	Ave	1.924	2.033		10.6	10.0	5.7	30.0
Vinyl acetate	Ave	2.357	2.402		10.2	10.0	1.9	30.0
cis-1,2-Dichloroethene	Ave	1.363	1.398		10.3	10.0	2.6	30.0
Methyl Ethyl Ketone	Ave	0.6442	0.6493		10.1	10.0	0.8	30.0
Ethyl acetate	Ave	0.1082	0.1250		11.5	10.0	15.4	30.0
Tetrahydrofuran	Ave	0.2121	0.2299		10.8	10.0	8.4	30.0
Chloroform	Ave	2.381	2.495		10.5	10.0	4.8	30.0
Cyclohexane	Ave	0.3707	0.3922		10.6	10.0	5.8	30.0
1,1,1-Trichloroethane	Ave	0.5284	0.5583		10.6	10.0	5.7	30.0
Carbon tetrachloride	Ave	0.5791	0.6220		10.7	10.0	7.4	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-23111-1

SDG No.:

Lab Sample ID: ICV 200-73568/19 Calibration Date: 06/15/2014 02:11

Instrument ID: CHW.i Calib Start Date: 06/14/2014 09:46

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 06/15/2014 00:33

Lab File ID: 8058_019.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,2,4-Trimethylpentane	Ave	1.110	1.162		10.5	10.0	4.7	30.0
Benzene	Ave	0.7846	0.8178		10.4	10.0	4.2	30.0
1,2-Dichloroethane	Ave	0.2897	0.3020		10.4	10.0	4.3	30.0
n-Heptane	Ave	0.4010	0.3860		9.63	10.0	-3.7	30.0
n-Butanol	Ave	0.1256	0.1263		10.0	10.0	0.5	30.0
Trichloroethene	Ave	0.3675	0.3796		10.3	10.0	3.3	30.0
1,2-Dichloropropane	Ave	0.2693	0.2786		10.3	10.0	3.5	30.0
Methyl methacrylate	Ave	0.2655	0.2897		10.9	10.0	9.1	30.0
1,4-Dioxane	Ave	0.1355	0.1362		10.1	10.0	0.6	30.0
Dibromomethane	Ave	0.4358	0.4557		10.5	10.0	4.6	30.0
Bromodichloromethane	Ave	0.5232	0.5583		10.7	10.0	6.7	30.0
cis-1,3-Dichloropropene	Ave	0.4034	0.4421		11.0	10.0	9.6	30.0
methyl isobutyl ketone	Ave	0.4611	0.4884		10.6	10.0	5.9	30.0
n-Octane	Ave	0.5158	0.5182		10.0	10.0	0.5	30.0
Toluene	Ave	0.7106	0.7024		9.88	10.0	-1.2	30.0
trans-1,3-Dichloropropene	Ave	0.4011	0.4413		11.0	10.0	10.0	30.0
1,1,2-Trichloroethane	Ave	0.3064	0.3240		10.6	10.0	5.7	30.0
Tetrachloroethene	Ave	0.7360	0.7747		10.5	10.0	5.3	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.4820	0.5076		10.5	10.0	5.3	30.0
Dibromochloromethane	Ave	0.7067	0.7593		10.7	10.0	7.4	30.0
1,2-Dibromoethane	Ave	0.5988	0.6410		10.7	10.0	7.1	30.0
Chlorobenzene	Ave	0.9822	1.032		10.5	10.0	5.1	30.0
Ethylbenzene	Ave	1.413	1.495		10.6	10.0	5.8	30.0
n-Nonane	Ave	0.6008	0.6151		10.2	10.0	2.4	30.0
m,p-Xylene	Ave	0.6039	0.6528		21.6	20.0	8.1	30.0
Xylene, o-	Ave	0.6168	0.6484		10.5	10.0	5.1	30.0
Styrene	Ave	0.8948	0.9678		10.8	10.0	8.2	30.0
Bromoform	Ave	0.7586	0.8602		11.3	10.0	13.4	30.0
Cumene	Ave	1.685	1.805		10.7	10.0	7.1	30.0
1,1,2,2-Tetrachloroethane	Ave	0.7754	0.8554		11.0	10.0	10.3	30.0
n-Propylbenzene	Ave	1.881	2.041		10.8	10.0	8.5	30.0
1,2,3-Trichloropropane	Ave	0.5980	0.6422		10.7	10.0	7.4	30.0
n-Decane	Ave	0.7332	0.8118		11.1	10.0	10.7	30.0
4-Ethyltoluene	Ave	1.677	1.874		11.2	10.0	11.8	30.0
2-Chlorotoluene	Ave	1.371	1.468		10.7	10.0	7.1	30.0
1,3,5-Trimethylbenzene	Ave	1.432	1.557		10.9	10.0	8.7	30.0
Alpha Methyl Styrene	Ave	0.7245	0.7078		9.77	10.0	-2.3	30.0
tert-Butylbenzene	Ave	1.474	1.594		10.8	10.0	8.2	30.0
1,2,4-Trimethylbenzene	Ave	1.440	1.570		10.9	10.0	9.0	30.0
sec-Butylbenzene	Ave	2.055	2.241		10.9	10.0	9.1	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-23111-1

SDG No.:

Lab Sample ID: ICV 200-73568/19 Calibration Date: 06/15/2014 02:11

Instrument ID: CHW.i Calib Start Date: 06/14/2014 09:46

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 06/15/2014 00:33

Lab File ID: 8058_019.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Isopropyltoluene	Ave	1.825	2.025		11.1	10.0	11.0	30.0
1,3-Dichlorobenzene	Ave	1.115	1.250		11.2	10.0	12.1	30.0
1,4-Dichlorobenzene	Ave	1.090	1.228		11.3	10.0	12.7	30.0
Benzyl chloride	Ave	0.9111	1.082		11.9	10.0	18.8	30.0
n-Undecane	Ave	0.7476	0.8986		12.0	10.0	20.2	30.0
n-Butylbenzene	Ave	1.471	1.639		11.1	10.0	11.5	30.0
1,2-Dichlorobenzene	Ave	1.088	1.198		11.0	10.0	10.2	30.0
n-Dodecane	Ave	0.6729	0.8562		12.7	10.0	27.2	30.0
1,2,4-Trichlorobenzene	Ave	0.8812	0.9950		11.3	10.0	12.9	30.0
Hexachlorobutadiene	Ave	0.9202	1.042		11.3	10.0	13.2	30.0
Naphthalene	Ave	1.693	1.723		10.2	10.0	1.7	30.0
1,2,3-Trichlorobenzene	Ave	0.8037	0.9059		11.3	10.0	12.7	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-23111-1

SDG No.:

Lab Sample ID: CCVIS 200-74743/2 Calibration Date: 07/10/2014 11:48

Instrument ID: CHW.i Calib Start Date: 06/14/2014 09:46

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 06/15/2014 00:33

Lab File ID: 8499_002.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.7346	0.7607		10.4	10.0	3.5	30.0
Dichlorodifluoromethane	Ave	2.924	3.215		11.0	10.0	9.9	30.0
Freon 22	Ave	1.462	1.568		10.7	10.0	7.2	30.0
1,2-Dichlorotetrafluoroethane	Ave	2.926	3.152		10.8	10.0	7.7	30.0
Chloromethane	Ave	0.8652	0.8963		10.4	10.0	3.6	30.0
n-Butane	Ave	1.434	1.359		9.47	10.0	-5.2	30.0
Vinyl chloride	Ave	1.075	1.051		9.78	10.0	-2.2	30.0
1,3-Butadiene	Ave	0.7639	0.7327		9.59	10.0	-4.1	30.0
Bromomethane	Ave	1.080	1.075		9.96	10.0	-0.4	30.0
Chloroethane	Ave	0.6068	0.6278		10.3	10.0	3.4	30.0
Isopentane	Ave	1.136	1.097		9.65	10.0	-3.5	30.0
Bromoethene(Vinyl Bromide)	Ave	1.323	1.344		10.2	10.0	1.6	30.0
Trichlorofluoromethane	Ave	3.226	3.317		10.3	10.0	2.8	30.0
n-Pentane	Ave	1.633	1.647		10.1	10.0	0.9	30.0
Ethanol	Ave	0.4158	0.3242		11.7	15.0	-22.0	30.0
Ethyl ether	Ave	0.7309	0.7270		9.95	10.0	-0.5	30.0
Acrolein	Ave	0.3109	0.2979		9.58	10.0	-4.2	30.0
Freon TF	Ave	2.473	2.550		10.3	10.0	3.1	30.0
1,1-Dichloroethene	Ave	1.213	1.241		10.2	10.0	2.3	30.0
Acetone	Ave	1.526	1.574		10.3	10.0	3.1	30.0
Carbon disulfide	Ave	3.022	3.032		10.0	10.0	0.3	30.0
Isopropyl alcohol	Ave	1.287	1.355		10.5	10.0	5.2	30.0
3-Chloropropene	Ave	1.164	1.140		9.79	10.0	-2.0	30.0
Acetonitrile	Ave	0.6509	0.6834		10.5	10.0	5.0	30.0
Methylene Chloride	Ave	1.047	1.047		10.0	10.0	-0.0	30.0
tert-Butyl alcohol	Ave	1.859	2.026		10.9	10.0	9.0	30.0
Methyl tert-butyl ether	Ave	3.241	3.293		10.2	10.0	1.6	30.0
trans-1,2-Dichloroethene	Ave	1.455	1.484		10.2	10.0	2.0	30.0
Acrylonitrile	Ave	0.7082	0.7138		10.1	10.0	0.8	30.0
n-Hexane	Ave	1.763	1.615		9.16	10.0	-8.4	30.0
1,1-Dichloroethane	Ave	1.924	1.961		10.2	10.0	1.9	30.0
Vinyl acetate	Ave	2.357	2.417		10.3	10.0	2.5	30.0
cis-1,2-Dichloroethene	Ave	1.363	1.383		10.1	10.0	1.4	30.0
Methyl Ethyl Ketone	Ave	0.6442	0.6263		9.72	10.0	-2.8	30.0
Ethyl acetate	Ave	0.1082	0.1118		10.3	10.0	3.2	30.0
Tetrahydrofuran	Ave	0.2121	0.2210		10.4	10.0	4.2	30.0
Chloroform	Ave	2.381	2.452		10.3	10.0	3.0	30.0
Cyclohexane	Ave	0.3707	0.3710		10.0	10.0	0.0	30.0
1,1,1-Trichloroethane	Ave	0.5284	0.5448		10.3	10.0	3.1	30.0
Carbon tetrachloride	Ave	0.5791	0.6062		10.5	10.0	4.7	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-23111-1

SDG No.:

Lab Sample ID: CCVIS 200-74743/2 Calibration Date: 07/10/2014 11:48

Instrument ID: CHW.i Calib Start Date: 06/14/2014 09:46

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 06/15/2014 00:33

Lab File ID: 8499_002.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,2,4-Trimethylpentane	Ave	1.110	1.121		10.1	10.0	1.0	30.0
Benzene	Ave	0.7846	0.7991		10.2	10.0	1.8	30.0
1,2-Dichloroethane	Ave	0.2897	0.2935		10.1	10.0	1.3	30.0
n-Heptane	Ave	0.4010	0.3733		9.31	10.0	-6.9	30.0
n-Butanol	Ave	0.1256	0.1241		9.88	10.0	-1.2	30.0
Trichloroethene	Ave	0.3675	0.3690		10.0	10.0	0.4	30.0
1,2-Dichloropropane	Ave	0.2693	0.2755		10.2	10.0	2.3	30.0
Methyl methacrylate	Ave	0.2655	0.2758		10.4	10.0	3.9	30.0
1,4-Dioxane	Ave	0.1355	0.1449		10.7	10.0	6.9	30.0
Dibromomethane	Ave	0.4358	0.4259		9.77	10.0	-2.3	30.0
Bromodichloromethane	Ave	0.5232	0.5658		10.8	10.0	8.1	30.0
cis-1,3-Dichloropropene	Ave	0.4034	0.4267		10.6	10.0	5.8	30.0
methyl isobutyl ketone	Ave	0.4611	0.4836		10.5	10.0	4.9	30.0
n-Octane	Ave	0.5158	0.5108		9.90	10.0	-1.0	30.0
Toluene	Ave	0.7106	0.6899		9.71	10.0	-2.9	30.0
trans-1,3-Dichloropropene	Ave	0.4011	0.4391		10.9	10.0	9.5	30.0
1,1,2-Trichloroethane	Ave	0.3064	0.3203		10.5	10.0	4.5	30.0
Tetrachloroethene	Ave	0.7360	0.7126		9.68	10.0	-3.2	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.4820	0.4955		10.3	10.0	2.8	30.0
Dibromochloromethane	Ave	0.7067	0.7717		10.9	10.0	9.2	30.0
1,2-Dibromoethane	Ave	0.5988	0.6374		10.6	10.0	6.4	30.0
Chlorobenzene	Ave	0.9822	1.012		10.3	10.0	3.0	30.0
Ethylbenzene	Ave	1.413	1.495		10.6	10.0	5.8	30.0
n-Nonane	Ave	0.6008	0.6005		9.99	10.0	-0.0	30.0
m,p-Xylene	Ave	0.6039	0.6503		21.5	20.0	7.7	30.0
Xylene, o-	Ave	0.6168	0.6481		10.5	10.0	5.1	30.0
Styrene	Ave	0.8948	0.9869		11.0	10.0	10.3	30.0
Bromoform	Ave	0.7586	0.8732		11.5	10.0	15.1	30.0
Cumene	Ave	1.685	1.836		10.9	10.0	9.0	30.0
1,1,2,2-Tetrachloroethane	Ave	0.7754	0.8613		11.1	10.0	11.1	30.0
n-Propylbenzene	Ave	1.881	2.124		11.3	10.0	12.9	30.0
1,2,3-Trichloropropane	Ave	0.5980	0.6610		11.1	10.0	10.5	30.0
n-Decane	Ave	0.7332	0.8068		11.0	10.0	10.0	30.0
4-Ethyltoluene	Ave	1.677	1.894		11.3	10.0	12.9	30.0
2-Chlorotoluene	Ave	1.371	1.515		11.0	10.0	10.5	30.0
1,3,5-Trimethylbenzene	Ave	1.432	1.589		11.1	10.0	11.0	30.0
Alpha Methyl Styrene	Ave	0.7245	0.8612		11.9	10.0	18.9	30.0
tert-Butylbenzene	Ave	1.474	1.628		11.0	10.0	10.5	30.0
1,2,4-Trimethylbenzene	Ave	1.440	1.611		11.2	10.0	11.9	30.0
sec-Butylbenzene	Ave	2.055	2.340		11.4	10.0	13.9	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-23111-1

SDG No.:

Lab Sample ID: CCVIS 200-74743/2 Calibration Date: 07/10/2014 11:48

Instrument ID: CHW.i Calib Start Date: 06/14/2014 09:46

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 06/15/2014 00:33

Lab File ID: 8499_002.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Isopropyltoluene	Ave	1.825	2.087		11.4	10.0	14.4	30.0
1,3-Dichlorobenzene	Ave	1.115	1.241		11.1	10.0	11.3	30.0
1,4-Dichlorobenzene	Ave	1.090	1.221		11.2	10.0	12.0	30.0
Benzyl chloride	Ave	0.9111	1.093		12.0	10.0	19.9	30.0
n-Undecane	Ave	0.7476	0.8803		11.8	10.0	17.7	30.0
n-Butylbenzene	Ave	1.471	1.726		11.7	10.0	17.4	30.0
1,2-Dichlorobenzene	Ave	1.088	1.195		11.0	10.0	9.9	30.0
n-Dodecane	Ave	0.6729	0.8064		12.0	10.0	19.8	30.0
1,2,4-Trichlorobenzene	Ave	0.8812	0.8876		10.1	10.0	0.7	30.0
Hexachlorobutadiene	Ave	0.9202	0.9018		9.80	10.0	-2.0	30.0
Naphthalene	Ave	1.693	1.658		9.79	10.0	-2.1	30.0
1,2,3-Trichlorobenzene	Ave	0.8037	0.8337		10.4	10.0	3.7	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-23114-1

SDG No.:

Lab Sample ID: ICV 200-73568/19 Calibration Date: 06/15/2014 02:11

Instrument ID: CHW.i Calib Start Date: 06/14/2014 09:46

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 06/15/2014 00:33

Lab File ID: 8058_019.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.7346	0.7034		9.57	10.0	-4.2	30.0
Dichlorodifluoromethane	Ave	2.924	3.023		10.3	10.0	3.4	30.0
Freon 22	Ave	1.462	1.498		10.2	10.0	2.5	30.0
1,2-Dichlorotetrafluoroethane	Ave	2.926	3.348		11.4	10.0	14.4	30.0
Chloromethane	Ave	0.8652	0.8644		9.99	10.0	-0.0	30.0
n-Butane	Ave	1.434	1.464		10.2	10.0	2.1	30.0
Vinyl chloride	Ave	1.075	1.089		10.1	10.0	1.3	30.0
1,3-Butadiene	Ave	0.7639	0.7823		10.2	10.0	2.4	30.0
Bromomethane	Ave	1.080	1.107		10.3	10.0	2.5	30.0
Chloroethane	Ave	0.6068	0.6103		10.1	10.0	0.6	30.0
Isopentane	Ave	1.136	1.188		10.5	10.0	4.5	30.0
Bromoethene(Vinyl Bromide)	Ave	1.323	1.348		10.2	10.0	1.9	30.0
Trichlorofluoromethane	Ave	3.226	3.282		10.2	10.0	1.7	30.0
n-Pentane	Ave	1.633	1.862		11.4	10.0	14.0	30.0
Ethanol	Ave	0.4158	0.4073		14.7	15.0	-2.0	30.0
Ethyl ether	Ave	0.7309	0.8331		11.4	10.0	14.0	30.0
Acrolein	Ave	0.3109	0.3913		12.6	10.0	25.8	30.0
Freon TF	Ave	2.473	2.567		10.4	10.0	3.8	30.0
1,1-Dichloroethene	Ave	1.213	1.247		10.3	10.0	2.8	30.0
Acetone	Ave	1.526	1.745		11.4	10.0	14.3	30.0
Carbon disulfide	Ave	3.022	3.463		11.5	10.0	14.6	30.0
Isopropyl alcohol	Ave	1.287	1.223		9.50	10.0	-5.0	30.0
3-Chloropropene	Ave	1.164	1.159		9.95	10.0	-0.4	30.0
Acetonitrile	Ave	0.6509	0.6968		10.7	10.0	7.1	30.0
Methylene Chloride	Ave	1.047	1.064		10.2	10.0	1.6	30.0
tert-Butyl alcohol	Ave	1.859	1.866		10.0	10.0	0.4	30.0
Methyl tert-butyl ether	Ave	3.241	3.401		10.5	10.0	4.9	30.0
trans-1,2-Dichloroethene	Ave	1.455	1.607		11.0	10.0	10.4	30.0
Acrylonitrile	Ave	0.7082	0.7738		10.9	10.0	9.3	30.0
n-Hexane	Ave	1.763	1.822		10.3	10.0	3.3	30.0
1,1-Dichloroethane	Ave	1.924	2.033		10.6	10.0	5.7	30.0
Vinyl acetate	Ave	2.357	2.402		10.2	10.0	1.9	30.0
cis-1,2-Dichloroethene	Ave	1.363	1.398		10.3	10.0	2.6	30.0
Methyl Ethyl Ketone	Ave	0.6442	0.6493		10.1	10.0	0.8	30.0
Ethyl acetate	Ave	0.1082	0.1250		11.5	10.0	15.4	30.0
Tetrahydrofuran	Ave	0.2121	0.2299		10.8	10.0	8.4	30.0
Chloroform	Ave	2.381	2.495		10.5	10.0	4.8	30.0
Cyclohexane	Ave	0.3707	0.3922		10.6	10.0	5.8	30.0
1,1,1-Trichloroethane	Ave	0.5284	0.5583		10.6	10.0	5.7	30.0
Carbon tetrachloride	Ave	0.5791	0.6220		10.7	10.0	7.4	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-23114-1

SDG No.:

Lab Sample ID: ICV 200-73568/19 Calibration Date: 06/15/2014 02:11

Instrument ID: CHW.i Calib Start Date: 06/14/2014 09:46

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 06/15/2014 00:33

Lab File ID: 8058_019.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,2,4-Trimethylpentane	Ave	1.110	1.162		10.5	10.0	4.7	30.0
Benzene	Ave	0.7846	0.8178		10.4	10.0	4.2	30.0
1,2-Dichloroethane	Ave	0.2897	0.3020		10.4	10.0	4.3	30.0
n-Heptane	Ave	0.4010	0.3860		9.63	10.0	-3.7	30.0
n-Butanol	Ave	0.1256	0.1263		10.0	10.0	0.5	30.0
Trichloroethene	Ave	0.3675	0.3796		10.3	10.0	3.3	30.0
1,2-Dichloropropane	Ave	0.2693	0.2786		10.3	10.0	3.5	30.0
Methyl methacrylate	Ave	0.2655	0.2897		10.9	10.0	9.1	30.0
1,4-Dioxane	Ave	0.1355	0.1362		10.1	10.0	0.6	30.0
Dibromomethane	Ave	0.4358	0.4557		10.5	10.0	4.6	30.0
Bromodichloromethane	Ave	0.5232	0.5583		10.7	10.0	6.7	30.0
cis-1,3-Dichloropropene	Ave	0.4034	0.4421		11.0	10.0	9.6	30.0
methyl isobutyl ketone	Ave	0.4611	0.4884		10.6	10.0	5.9	30.0
n-Octane	Ave	0.5158	0.5182		10.0	10.0	0.5	30.0
Toluene	Ave	0.7106	0.7024		9.88	10.0	-1.2	30.0
trans-1,3-Dichloropropene	Ave	0.4011	0.4413		11.0	10.0	10.0	30.0
1,1,2-Trichloroethane	Ave	0.3064	0.3240		10.6	10.0	5.7	30.0
Tetrachloroethene	Ave	0.7360	0.7747		10.5	10.0	5.3	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.4820	0.5076		10.5	10.0	5.3	30.0
Dibromochloromethane	Ave	0.7067	0.7593		10.7	10.0	7.4	30.0
1,2-Dibromoethane	Ave	0.5988	0.6410		10.7	10.0	7.1	30.0
Chlorobenzene	Ave	0.9822	1.032		10.5	10.0	5.1	30.0
Ethylbenzene	Ave	1.413	1.495		10.6	10.0	5.8	30.0
n-Nonane	Ave	0.6008	0.6151		10.2	10.0	2.4	30.0
m,p-Xylene	Ave	0.6039	0.6528		21.6	20.0	8.1	30.0
Xylene, o-	Ave	0.6168	0.6484		10.5	10.0	5.1	30.0
Styrene	Ave	0.8948	0.9678		10.8	10.0	8.2	30.0
Bromoform	Ave	0.7586	0.8602		11.3	10.0	13.4	30.0
Cumene	Ave	1.685	1.805		10.7	10.0	7.1	30.0
1,1,2,2-Tetrachloroethane	Ave	0.7754	0.8554		11.0	10.0	10.3	30.0
n-Propylbenzene	Ave	1.881	2.041		10.8	10.0	8.5	30.0
1,2,3-Trichloropropane	Ave	0.5980	0.6422		10.7	10.0	7.4	30.0
n-Decane	Ave	0.7332	0.8118		11.1	10.0	10.7	30.0
4-Ethyltoluene	Ave	1.677	1.874		11.2	10.0	11.8	30.0
2-Chlorotoluene	Ave	1.371	1.468		10.7	10.0	7.1	30.0
1,3,5-Trimethylbenzene	Ave	1.432	1.557		10.9	10.0	8.7	30.0
Alpha Methyl Styrene	Ave	0.7245	0.7078		9.77	10.0	-2.3	30.0
tert-Butylbenzene	Ave	1.474	1.594		10.8	10.0	8.2	30.0
1,2,4-Trimethylbenzene	Ave	1.440	1.570		10.9	10.0	9.0	30.0
sec-Butylbenzene	Ave	2.055	2.241		10.9	10.0	9.1	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-23114-1

SDG No.:

Lab Sample ID: ICV 200-73568/19 Calibration Date: 06/15/2014 02:11

Instrument ID: CHW.i Calib Start Date: 06/14/2014 09:46

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 06/15/2014 00:33

Lab File ID: 8058_019.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Isopropyltoluene	Ave	1.825	2.025		11.1	10.0	11.0	30.0
1,3-Dichlorobenzene	Ave	1.115	1.250		11.2	10.0	12.1	30.0
1,4-Dichlorobenzene	Ave	1.090	1.228		11.3	10.0	12.7	30.0
Benzyl chloride	Ave	0.9111	1.082		11.9	10.0	18.8	30.0
n-Undecane	Ave	0.7476	0.8986		12.0	10.0	20.2	30.0
n-Butylbenzene	Ave	1.471	1.639		11.1	10.0	11.5	30.0
1,2-Dichlorobenzene	Ave	1.088	1.198		11.0	10.0	10.2	30.0
n-Dodecane	Ave	0.6729	0.8562		12.7	10.0	27.2	30.0
1,2,4-Trichlorobenzene	Ave	0.8812	0.9950		11.3	10.0	12.9	30.0
Hexachlorobutadiene	Ave	0.9202	1.042		11.3	10.0	13.2	30.0
Naphthalene	Ave	1.693	1.723		10.2	10.0	1.7	30.0
1,2,3-Trichlorobenzene	Ave	0.8037	0.9059		11.3	10.0	12.7	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-23114-1

SDG No.:

Lab Sample ID: CCVIS 200-74743/2 Calibration Date: 07/10/2014 11:48

Instrument ID: CHW.i Calib Start Date: 06/14/2014 09:46

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 06/15/2014 00:33

Lab File ID: 8499_002.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.7346	0.7607		10.4	10.0	3.5	30.0
Dichlorodifluoromethane	Ave	2.924	3.215		11.0	10.0	9.9	30.0
Freon 22	Ave	1.462	1.568		10.7	10.0	7.2	30.0
1,2-Dichlorotetrafluoroethane	Ave	2.926	3.152		10.8	10.0	7.7	30.0
Chloromethane	Ave	0.8652	0.8963		10.4	10.0	3.6	30.0
n-Butane	Ave	1.434	1.359		9.47	10.0	-5.2	30.0
Vinyl chloride	Ave	1.075	1.051		9.78	10.0	-2.2	30.0
1,3-Butadiene	Ave	0.7639	0.7327		9.59	10.0	-4.1	30.0
Bromomethane	Ave	1.080	1.075		9.96	10.0	-0.4	30.0
Chloroethane	Ave	0.6068	0.6278		10.3	10.0	3.4	30.0
Isopentane	Ave	1.136	1.097		9.65	10.0	-3.5	30.0
Bromoethene(Vinyl Bromide)	Ave	1.323	1.344		10.2	10.0	1.6	30.0
Trichlorofluoromethane	Ave	3.226	3.317		10.3	10.0	2.8	30.0
n-Pentane	Ave	1.633	1.647		10.1	10.0	0.9	30.0
Ethanol	Ave	0.4158	0.3242		11.7	15.0	-22.0	30.0
Ethyl ether	Ave	0.7309	0.7270		9.95	10.0	-0.5	30.0
Acrolein	Ave	0.3109	0.2979		9.58	10.0	-4.2	30.0
Freon TF	Ave	2.473	2.550		10.3	10.0	3.1	30.0
1,1-Dichloroethene	Ave	1.213	1.241		10.2	10.0	2.3	30.0
Acetone	Ave	1.526	1.574		10.3	10.0	3.1	30.0
Carbon disulfide	Ave	3.022	3.032		10.0	10.0	0.3	30.0
Isopropyl alcohol	Ave	1.287	1.355		10.5	10.0	5.2	30.0
3-Chloropropene	Ave	1.164	1.140		9.79	10.0	-2.0	30.0
Acetonitrile	Ave	0.6509	0.6834		10.5	10.0	5.0	30.0
Methylene Chloride	Ave	1.047	1.047		10.0	10.0	-0.0	30.0
tert-Butyl alcohol	Ave	1.859	2.026		10.9	10.0	9.0	30.0
Methyl tert-butyl ether	Ave	3.241	3.293		10.2	10.0	1.6	30.0
trans-1,2-Dichloroethene	Ave	1.455	1.484		10.2	10.0	2.0	30.0
Acrylonitrile	Ave	0.7082	0.7138		10.1	10.0	0.8	30.0
n-Hexane	Ave	1.763	1.615		9.16	10.0	-8.4	30.0
1,1-Dichloroethane	Ave	1.924	1.961		10.2	10.0	1.9	30.0
Vinyl acetate	Ave	2.357	2.417		10.3	10.0	2.5	30.0
cis-1,2-Dichloroethene	Ave	1.363	1.383		10.1	10.0	1.4	30.0
Methyl Ethyl Ketone	Ave	0.6442	0.6263		9.72	10.0	-2.8	30.0
Ethyl acetate	Ave	0.1082	0.1118		10.3	10.0	3.2	30.0
Tetrahydrofuran	Ave	0.2121	0.2210		10.4	10.0	4.2	30.0
Chloroform	Ave	2.381	2.452		10.3	10.0	3.0	30.0
Cyclohexane	Ave	0.3707	0.3710		10.0	10.0	0.0	30.0
1,1,1-Trichloroethane	Ave	0.5284	0.5448		10.3	10.0	3.1	30.0
Carbon tetrachloride	Ave	0.5791	0.6062		10.5	10.0	4.7	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-23114-1

SDG No.:

Lab Sample ID: CCVIS 200-74743/2 Calibration Date: 07/10/2014 11:48

Instrument ID: CHW.i Calib Start Date: 06/14/2014 09:46

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 06/15/2014 00:33

Lab File ID: 8499_002.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,2,4-Trimethylpentane	Ave	1.110	1.121		10.1	10.0	1.0	30.0
Benzene	Ave	0.7846	0.7991		10.2	10.0	1.8	30.0
1,2-Dichloroethane	Ave	0.2897	0.2935		10.1	10.0	1.3	30.0
n-Heptane	Ave	0.4010	0.3733		9.31	10.0	-6.9	30.0
n-Butanol	Ave	0.1256	0.1241		9.88	10.0	-1.2	30.0
Trichloroethene	Ave	0.3675	0.3690		10.0	10.0	0.4	30.0
1,2-Dichloropropane	Ave	0.2693	0.2755		10.2	10.0	2.3	30.0
Methyl methacrylate	Ave	0.2655	0.2758		10.4	10.0	3.9	30.0
1,4-Dioxane	Ave	0.1355	0.1449		10.7	10.0	6.9	30.0
Dibromomethane	Ave	0.4358	0.4259		9.77	10.0	-2.3	30.0
Bromodichloromethane	Ave	0.5232	0.5658		10.8	10.0	8.1	30.0
cis-1,3-Dichloropropene	Ave	0.4034	0.4267		10.6	10.0	5.8	30.0
methyl isobutyl ketone	Ave	0.4611	0.4836		10.5	10.0	4.9	30.0
n-Octane	Ave	0.5158	0.5108		9.90	10.0	-1.0	30.0
Toluene	Ave	0.7106	0.6899		9.71	10.0	-2.9	30.0
trans-1,3-Dichloropropene	Ave	0.4011	0.4391		10.9	10.0	9.5	30.0
1,1,2-Trichloroethane	Ave	0.3064	0.3203		10.5	10.0	4.5	30.0
Tetrachloroethene	Ave	0.7360	0.7126		9.68	10.0	-3.2	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.4820	0.4955		10.3	10.0	2.8	30.0
Dibromochloromethane	Ave	0.7067	0.7717		10.9	10.0	9.2	30.0
1,2-Dibromoethane	Ave	0.5988	0.6374		10.6	10.0	6.4	30.0
Chlorobenzene	Ave	0.9822	1.012		10.3	10.0	3.0	30.0
Ethylbenzene	Ave	1.413	1.495		10.6	10.0	5.8	30.0
n-Nonane	Ave	0.6008	0.6005		9.99	10.0	-0.0	30.0
m,p-Xylene	Ave	0.6039	0.6503		21.5	20.0	7.7	30.0
Xylene, o-	Ave	0.6168	0.6481		10.5	10.0	5.1	30.0
Styrene	Ave	0.8948	0.9869		11.0	10.0	10.3	30.0
Bromoform	Ave	0.7586	0.8732		11.5	10.0	15.1	30.0
Cumene	Ave	1.685	1.836		10.9	10.0	9.0	30.0
1,1,2,2-Tetrachloroethane	Ave	0.7754	0.8613		11.1	10.0	11.1	30.0
n-Propylbenzene	Ave	1.881	2.124		11.3	10.0	12.9	30.0
1,2,3-Trichloropropane	Ave	0.5980	0.6610		11.1	10.0	10.5	30.0
n-Decane	Ave	0.7332	0.8068		11.0	10.0	10.0	30.0
4-Ethyltoluene	Ave	1.677	1.894		11.3	10.0	12.9	30.0
2-Chlorotoluene	Ave	1.371	1.515		11.0	10.0	10.5	30.0
1,3,5-Trimethylbenzene	Ave	1.432	1.589		11.1	10.0	11.0	30.0
Alpha Methyl Styrene	Ave	0.7245	0.8612		11.9	10.0	18.9	30.0
tert-Butylbenzene	Ave	1.474	1.628		11.0	10.0	10.5	30.0
1,2,4-Trimethylbenzene	Ave	1.440	1.611		11.2	10.0	11.9	30.0
sec-Butylbenzene	Ave	2.055	2.340		11.4	10.0	13.9	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-23114-1

SDG No.:

Lab Sample ID: CCVIS 200-74743/2 Calibration Date: 07/10/2014 11:48

Instrument ID: CHW.i Calib Start Date: 06/14/2014 09:46

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 06/15/2014 00:33

Lab File ID: 8499_002.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Isopropyltoluene	Ave	1.825	2.087		11.4	10.0	14.4	30.0
1,3-Dichlorobenzene	Ave	1.115	1.241		11.1	10.0	11.3	30.0
1,4-Dichlorobenzene	Ave	1.090	1.221		11.2	10.0	12.0	30.0
Benzyl chloride	Ave	0.9111	1.093		12.0	10.0	19.9	30.0
n-Undecane	Ave	0.7476	0.8803		11.8	10.0	17.7	30.0
n-Butylbenzene	Ave	1.471	1.726		11.7	10.0	17.4	30.0
1,2-Dichlorobenzene	Ave	1.088	1.195		11.0	10.0	9.9	30.0
n-Dodecane	Ave	0.6729	0.8064		12.0	10.0	19.8	30.0
1,2,4-Trichlorobenzene	Ave	0.8812	0.8876		10.1	10.0	0.7	30.0
Hexachlorobutadiene	Ave	0.9202	0.9018		9.80	10.0	-2.0	30.0
Naphthalene	Ave	1.693	1.658		9.79	10.0	-2.1	30.0
1,2,3-Trichlorobenzene	Ave	0.8037	0.8337		10.4	10.0	3.7	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-23144-1

SDG No.:

Lab Sample ID: ICV 200-74492/13 Calibration Date: 07/03/2014 01:24

Instrument ID: CHG.i Calib Start Date: 07/02/2014 16:53

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 07/02/2014 22:50

Lab File ID: 8394_013.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.2338	0.2141		9.16	10.0	-8.4	30.0
Dichlorodifluoromethane	Ave	1.871	1.815		9.70	10.0	-3.0	30.0
Freon 22	Ave	0.7199	0.7010		9.74	10.0	-2.6	30.0
1,2-Dichlorotetrafluoroethane	Ave	1.634	1.736		10.6	10.0	6.3	30.0
Chloromethane	Ave	0.3592	0.3410		9.49	10.0	-5.1	30.0
n-Butane	Ave	0.4505	0.4377		9.71	10.0	-2.8	30.0
Vinyl chloride	Ave	0.5088	0.4599		9.04	10.0	-9.6	30.0
1,3-Butadiene	Ave	0.2983	0.2720		9.12	10.0	-8.8	30.0
Bromomethane	Ave	0.7000	0.6762		9.66	10.0	-3.4	30.0
Chloroethane	Ave	0.1763	0.1670		9.47	10.0	-5.3	30.0
Isopentane	Ave	0.2766	0.2840		10.3	10.0	2.7	30.0
Bromoethene(Vinyl Bromide)	Ave	0.8183	0.8003		9.78	10.0	-2.2	30.0
Trichlorofluoromethane	Ave	2.091	2.003		9.58	10.0	-4.2	30.0
n-Pentane	Ave	0.4626	0.4918		10.6	10.0	6.3	30.0
Ethanol	Ave	0.1110	0.1309		17.7	15.0	17.9	30.0
Ethyl ether	Ave	0.2427	0.2588		10.7	10.0	6.6	30.0
Acrolein	Ave	0.1036	0.1091		10.5	10.0	5.3	30.0
Freon TF	Ave	1.371	1.353		9.86	10.0	-1.4	30.0
1,1-Dichloroethene	Ave	0.5986	0.5753		9.61	10.0	-3.9	30.0
Acetone	Ave	0.4904	0.5234		10.7	10.0	6.7	30.0
Carbon disulfide	Ave	1.558	1.906		12.2	10.0	22.4	30.0
Isopropyl alcohol	Ave	0.4088	0.3535		8.64	10.0	-13.5	30.0
3-Chloropropene	Ave	0.3821	0.3418		8.94	10.0	-10.5	30.0
Acetonitrile	Ave	0.1943	0.2046		10.5	10.0	5.3	30.0
Methylene Chloride	Ave	0.4358	0.4358		10.0	10.0	0.0	30.0
tert-Butyl alcohol	Ave	0.7572	0.6822		9.01	10.0	-9.9	30.0
Methyl tert-butyl ether	Ave	1.368	1.341		9.80	10.0	-2.0	30.0
trans-1,2-Dichloroethene	Ave	0.6489	0.6686		10.3	10.0	3.0	30.0
Acrylonitrile	Ave	0.2379	0.2476		10.4	10.0	4.1	30.0
n-Hexane	Ave	0.5029	0.5157		10.3	10.0	2.5	30.0
1,1-Dichloroethane	Ave	0.9557	0.8985		9.40	10.0	-6.0	30.0
Vinyl acetate	Ave	0.8690	0.8255		9.50	10.0	-5.0	30.0
cis-1,2-Dichloroethene	Ave	0.8737	0.8398		9.61	10.0	-3.9	30.0
Methyl Ethyl Ketone	Ave	0.2683	0.2606		9.71	10.0	-2.9	30.0
Ethyl acetate	Ave	0.0399	0.0431		10.8	10.0	8.1	30.0
Tetrahydrofuran	Ave	0.0677	0.0668		9.86	10.0	-1.4	30.0
Chloroform	Ave	1.804	1.781		9.87	10.0	-1.3	30.0
Cyclohexane	Ave	0.1594	0.1537		9.64	10.0	-3.6	30.0
1,1,1-Trichloroethane	Ave	0.3670	0.3563		9.71	10.0	-2.9	30.0
Carbon tetrachloride	Ave	0.4945	0.4639		9.38	10.0	-6.2	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-23144-1

SDG No.:

Lab Sample ID: ICV 200-74492/13 Calibration Date: 07/03/2014 01:24

Instrument ID: CHG.i Calib Start Date: 07/02/2014 16:53

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 07/02/2014 22:50

Lab File ID: 8394_013.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,2,4-Trimethylpentane	Ave	0.4864	0.4621		9.50	10.0	-5.0	30.0
Benzene	Ave	0.4422	0.4153		9.39	10.0	-6.1	30.0
1,2-Dichloroethane	Ave	0.2082	0.2007		9.64	10.0	-3.6	30.0
n-Heptane	Ave	0.1608	0.1511		9.39	10.0	-6.0	30.0
n-Butanol	Ave	0.0621	0.0616		9.91	10.0	-0.9	30.0
Trichloroethene	Ave	0.3198	0.2981		9.32	10.0	-6.8	30.0
1,2-Dichloropropane	Ave	0.2024	0.1954		9.65	10.0	-3.4	30.0
Methyl methacrylate	Ave	0.1806	0.1869		10.3	10.0	3.5	30.0
1,4-Dioxane	Ave	0.0971	0.0946		9.75	10.0	-2.5	30.0
Dibromomethane	Ave	0.4563	0.4543		9.95	10.0	-0.4	30.0
Bromodichloromethane	Ave	0.5614	0.5512		9.82	10.0	-1.8	30.0
cis-1,3-Dichloropropene	Ave	0.3957	0.4004		10.1	10.0	1.2	30.0
methyl isobutyl ketone	Ave	0.3447	0.3167		9.19	10.0	-8.1	30.0
Toluene	Ave	0.4577	0.4628		10.1	10.0	1.1	30.0
n-Octane	Ave	0.3178	0.3170		9.97	10.0	-0.3	30.0
trans-1,3-Dichloropropene	Ave	0.4092	0.4210		10.3	10.0	2.9	30.0
1,1,2-Trichloroethane	Ave	0.2430	0.2466		10.1	10.0	1.4	30.0
Tetrachloroethene	Ave	0.6138	0.5878		9.57	10.0	-4.2	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.2925	0.2645		9.04	10.0	-9.6	30.0
Dibromochloromethane	Ave	0.6932	0.6887		9.93	10.0	-0.6	30.0
1,2-Dibromoethane	Ave	0.5394	0.5484		10.2	10.0	1.7	30.0
Chlorobenzene	Ave	0.7324	0.7259		9.91	10.0	-0.9	30.0
Ethylbenzene	Ave	0.9563	0.9594		10.0	10.0	0.3	30.0
n-Nonane	Ave	0.3205	0.3183		9.93	10.0	-0.7	30.0
m,p-Xylene	Ave	0.4175	0.4144		19.8	20.0	-0.8	30.0
Xylene, o-	Ave	0.4393	0.4362		9.93	10.0	-0.7	30.0
Styrene	Ave	0.6156	0.6317		10.3	10.0	2.6	30.0
Bromoform	Ave	0.8018	0.8161		10.2	10.0	1.8	30.0
Cumene	Ave	1.164	1.138		9.77	10.0	-2.3	30.0
1,1,2,2-Tetrachloroethane	Ave	0.6024	0.6122		10.2	10.0	1.6	30.0
n-Propylbenzene	Ave	1.295	1.271		9.81	10.0	-1.9	30.0
1,2,3-Trichloropropane	Ave	0.4209	0.4117		9.78	10.0	-2.2	30.0
n-Decane	Ave	0.3644	0.3681		10.1	10.0	1.0	30.0
4-Ethyltoluene	Ave	1.074	1.096		10.2	10.0	2.1	30.0
2-Chlorotoluene	Ave	0.8462	0.8329		9.84	10.0	-1.6	30.0
1,3,5-Trimethylbenzene	Ave	0.9518	0.9600		10.1	10.0	0.9	30.0
Alpha Methyl Styrene	Ave	0.5397	0.5470		10.1	10.0	1.3	30.0
tert-Butylbenzene	Ave	0.9527	0.9562		10.0	10.0	0.4	30.0
1,2,4-Trimethylbenzene	Ave	0.9355	0.9091		9.72	10.0	-2.8	30.0
sec-Butylbenzene	Ave	1.336	1.325		9.91	10.0	-0.9	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-23144-1

SDG No.:

Lab Sample ID: ICV 200-74492/13 Calibration Date: 07/03/2014 01:24

Instrument ID: CHG.i Calib Start Date: 07/02/2014 16:53

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 07/02/2014 22:50

Lab File ID: 8394_013.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Isopropyltoluene	Ave	1.195	1.204		10.1	10.0	0.7	30.0
1,3-Dichlorobenzene	Ave	0.8407	0.8232		9.79	10.0	-2.1	30.0
1,4-Dichlorobenzene	Ave	0.8855	0.8930		10.1	10.0	0.8	30.0
Benzyl chloride	Ave	0.7833	0.7213		9.21	10.0	-7.9	30.0
n-Butylbenzene	Ave	0.9443	0.9436		9.99	10.0	-0.0	30.0
n-Undecane	Ave	0.3741	0.3781		10.1	10.0	1.1	30.0
1,2-Dichlorobenzene	Ave	0.8269	0.8277		10.0	10.0	0.1	30.0
n-Dodecane	Ave	0.2663	0.3125		11.7	10.0	17.3	30.0
1,2,4-Trichlorobenzene	Ave	0.7277	0.7837		10.8	10.0	7.7	30.0
Hexachlorobutadiene	Ave	0.6489	0.7157		11.0	10.0	10.3	30.0
Naphthalene	Ave	1.232	1.284		10.4	10.0	4.3	30.0
1,2,3-Trichlorobenzene	Ave	0.5166	0.6571		12.7	10.0	27.2	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-23144-1

SDG No.:

Lab Sample ID: CCVIS 200-74788/2 Calibration Date: 07/11/2014 10:42

Instrument ID: CHG.i Calib Start Date: 07/02/2014 16:53

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 07/02/2014 22:50

Lab File ID: 8512_002.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.2338	0.2334		9.98	10.0	-0.2	30.0
Dichlorodifluoromethane	Ave	1.871	2.120		11.3	10.0	13.3	30.0
Freon 22	Ave	0.7199	0.7938		11.0	10.0	10.3	30.0
1,2-Dichlorotetrafluoroethane	Ave	1.634	1.768		10.8	10.0	8.2	30.0
Chloromethane	Ave	0.3592	0.3641		10.1	10.0	1.4	30.0
n-Butane	Ave	0.4505	0.4553		10.1	10.0	1.1	30.0
Vinyl chloride	Ave	0.5088	0.5059		9.94	10.0	-0.6	30.0
1,3-Butadiene	Ave	0.2983	0.2994		10.0	10.0	0.4	30.0
Bromomethane	Ave	0.7000	0.7495		10.7	10.0	7.1	30.0
Chloroethane	Ave	0.1763	0.1862		10.6	10.0	5.6	30.0
Isopentane	Ave	0.2766	0.2792		10.1	10.0	0.9	30.0
Bromoethene(Vinyl Bromide)	Ave	0.8183	0.8600		10.5	10.0	5.1	30.0
Trichlorofluoromethane	Ave	2.091	2.296		11.0	10.0	9.8	30.0
n-Pentane	Ave	0.4626	0.4523		9.78	10.0	-2.2	30.0
Ethanol	Ave	0.1110	0.1017		13.7	15.0	-8.4	30.0
Ethyl ether	Ave	0.2427	0.2475		10.2	10.0	2.0	30.0
Acrolein	Ave	0.1036	0.0956		9.23	10.0	-7.7	30.0
Freon TF	Ave	1.371	1.473		10.7	10.0	7.4	30.0
1,1-Dichloroethene	Ave	0.5986	0.6270		10.5	10.0	4.7	30.0
Acetone	Ave	0.4904	0.6029		12.3	10.0	22.9	30.0
Carbon disulfide	Ave	1.558	1.562		10.0	10.0	0.2	30.0
Isopropyl alcohol	Ave	0.4088	0.4115		10.1	10.0	0.7	30.0
3-Chloropropene	Ave	0.3821	0.3517		9.20	10.0	-8.0	30.0
Acetonitrile	Ave	0.1943	0.1999		10.3	10.0	2.9	30.0
Methylene Chloride	Ave	0.4358	0.4430		10.2	10.0	1.7	30.0
tert-Butyl alcohol	Ave	0.7572	0.8007		10.6	10.0	5.7	30.0
Methyl tert-butyl ether	Ave	1.368	1.477		10.8	10.0	7.9	30.0
trans-1,2-Dichloroethene	Ave	0.6489	0.6867		10.6	10.0	5.8	30.0
Acrylonitrile	Ave	0.2379	0.2419		10.2	10.0	1.7	30.0
n-Hexane	Ave	0.5029	0.4915		9.77	10.0	-2.3	30.0
1,1-Dichloroethane	Ave	0.9557	0.9396		9.83	10.0	-1.7	30.0
Vinyl acetate	Ave	0.8690	0.8251		9.49	10.0	-5.1	30.0
cis-1,2-Dichloroethene	Ave	0.8737	0.8674		9.93	10.0	-0.7	30.0
Methyl Ethyl Ketone	Ave	0.2683	0.2713		10.1	10.0	1.1	30.0
Ethyl acetate	Ave	0.0399	0.0411		10.3	10.0	3.1	30.0
Tetrahydrofuran	Ave	0.0677	0.0632		9.33	10.0	-6.7	30.0
Chloroform	Ave	1.804	1.875		10.4	10.0	4.0	30.0
Cyclohexane	Ave	0.1594	0.1498		9.39	10.0	-6.1	30.0
1,1,1-Trichloroethane	Ave	0.3670	0.3700		10.1	10.0	0.8	30.0
Carbon tetrachloride	Ave	0.4945	0.4662		9.43	10.0	-5.7	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-23144-1

SDG No.:

Lab Sample ID: CCVIS 200-74788/2 Calibration Date: 07/11/2014 10:42

Instrument ID: CHG.i Calib Start Date: 07/02/2014 16:53

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 07/02/2014 22:50

Lab File ID: 8512_002.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,2,4-Trimethylpentane	Ave	0.4864	0.4471		9.19	10.0	-8.1	30.0
Benzene	Ave	0.4422	0.4117		9.31	10.0	-6.9	30.0
1,2-Dichloroethane	Ave	0.2082	0.2130		10.2	10.0	2.3	30.0
n-Heptane	Ave	0.1608	0.1460		9.08	10.0	-9.2	30.0
n-Butanol	Ave	0.0621	0.0576		9.27	10.0	-7.2	30.0
Trichloroethene	Ave	0.3198	0.3044		9.52	10.0	-4.8	30.0
1,2-Dichloropropane	Ave	0.2024	0.1985		9.80	10.0	-1.9	30.0
Methyl methacrylate	Ave	0.1806	0.1817		10.1	10.0	0.6	30.0
1,4-Dioxane	Ave	0.0971	0.1046		10.8	10.0	7.8	30.0
Dibromomethane	Ave	0.4563	0.4465		9.79	10.0	-2.1	30.0
Bromodichloromethane	Ave	0.5614	0.6157		11.0	10.0	9.7	30.0
cis-1,3-Dichloropropene	Ave	0.3957	0.4493		11.4	10.0	13.6	30.0
methyl isobutyl ketone	Ave	0.3447	0.3508		10.2	10.0	1.8	30.0
Toluene	Ave	0.4577	0.4543		9.92	10.0	-0.7	30.0
n-Octane	Ave	0.3178	0.3378		10.6	10.0	6.3	30.0
trans-1,3-Dichloropropene	Ave	0.4092	0.4700		11.5	10.0	14.8	30.0
1,1,2-Trichloroethane	Ave	0.2430	0.2457		10.1	10.0	1.1	30.0
Tetrachloroethene	Ave	0.6138	0.5286		8.61	10.0	-13.9	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.2925	0.2620		8.96	10.0	-10.4	30.0
Dibromochloromethane	Ave	0.6932	0.6733		9.71	10.0	-2.9	30.0
1,2-Dibromoethane	Ave	0.5394	0.5478		10.2	10.0	1.6	30.0
Chlorobenzene	Ave	0.7324	0.7069		9.65	10.0	-3.5	30.0
Ethylbenzene	Ave	0.9563	0.9637		10.1	10.0	0.8	30.0
n-Nonane	Ave	0.3205	0.3065		9.56	10.0	-4.4	30.0
m,p-Xylene	Ave	0.4175	0.4035		19.3	20.0	-3.4	30.0
Xylene, o-	Ave	0.4393	0.4317		9.82	10.0	-1.7	30.0
Styrene	Ave	0.6156	0.6236		10.1	10.0	1.3	30.0
Bromoform	Ave	0.8018	0.7359		9.18	10.0	-8.2	30.0
Cumene	Ave	1.164	1.151		9.88	10.0	-1.2	30.0
1,1,2,2-Tetrachloroethane	Ave	0.6024	0.6262		10.4	10.0	3.9	30.0
n-Propylbenzene	Ave	1.295	1.311		10.1	10.0	1.2	30.0
1,2,3-Trichloropropane	Ave	0.4209	0.4221		10.0	10.0	0.3	30.0
n-Decane	Ave	0.3644	0.3413		9.36	10.0	-6.4	30.0
4-Ethyltoluene	Ave	1.074	1.026		9.55	10.0	-4.4	30.0
2-Chlorotoluene	Ave	0.8462	0.8188		9.67	10.0	-3.2	30.0
1,3,5-Trimethylbenzene	Ave	0.9518	0.9634		10.1	10.0	1.2	30.0
Alpha Methyl Styrene	Ave	0.5397	0.5471		10.1	10.0	1.4	30.0
tert-Butylbenzene	Ave	0.9527	0.9490		9.96	10.0	-0.4	30.0
1,2,4-Trimethylbenzene	Ave	0.9355	0.9603		10.3	10.0	2.7	30.0
sec-Butylbenzene	Ave	1.336	1.384		10.4	10.0	3.6	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-23144-1

SDG No.:

Lab Sample ID: CCVIS 200-74788/2 Calibration Date: 07/11/2014 10:42

Instrument ID: CHG.i Calib Start Date: 07/02/2014 16:53

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 07/02/2014 22:50

Lab File ID: 8512_002.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Isopropyltoluene	Ave	1.195	1.195		10.0	10.0	0.0	30.0
1,3-Dichlorobenzene	Ave	0.8407	0.8139		9.68	10.0	-3.2	30.0
1,4-Dichlorobenzene	Ave	0.8855	0.8598		9.71	10.0	-2.9	30.0
Benzyl chloride	Ave	0.7833	0.7796		9.95	10.0	-0.5	30.0
n-Butylbenzene	Ave	0.9443	1.003		10.6	10.0	6.3	30.0
n-Undecane	Ave	0.3741	0.3789		10.1	10.0	1.3	30.0
1,2-Dichlorobenzene	Ave	0.8269	0.8218		9.94	10.0	-0.6	30.0
n-Dodecane	Ave	0.2663	0.3101		11.6	10.0	16.5	30.0
1,2,4-Trichlorobenzene	Ave	0.7277	0.7337		10.1	10.0	0.8	30.0
Hexachlorobutadiene	Ave	0.6489	0.5860		9.03	10.0	-9.7	30.0
Naphthalene	Ave	1.232	1.472		11.9	10.0	19.5	30.0
1,2,3-Trichlorobenzene	Ave	0.5166	0.6489		12.6	10.0	25.6	30.0

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-23084-1

SDG No.:

Instrument ID: CHG.i Start Date: 07/02/2014 15:15

Analysis Batch Number: 74492 End Date: 07/03/2014 03:58

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-74492/1		07/02/2014 15:15	1	8394_001.D	RTX-624 0.32(mm)
VIBLK 200-74492/2		07/02/2014 16:01	1		RTX-624 0.32(mm)
IC 200-74492/3		07/02/2014 16:53	1	8394_003.D	RTX-624 0.32(mm)
IC 200-74492/4		07/02/2014 17:44	1	8394_004.D	RTX-624 0.32(mm)
IC 200-74492/5		07/02/2014 18:35	1	8394_005.D	RTX-624 0.32(mm)
IC 200-74492/6		07/02/2014 19:26	1	8394_006.D	RTX-624 0.32(mm)
ICIS 200-74492/7		07/02/2014 20:17	1	8394_007.D	RTX-624 0.32(mm)
IC 200-74492/8		07/02/2014 21:08	1	8394_008.D	RTX-624 0.32(mm)
IC 200-74492/9		07/02/2014 21:59	1	8394_009.D	RTX-624 0.32(mm)
IC 200-74492/10		07/02/2014 22:50	1	8394_010.D	RTX-624 0.32(mm)
VIBLK 200-74492/11		07/02/2014 23:41	1		RTX-624 0.32(mm)
VIBLK 200-74492/12		07/03/2014 00:33	1		RTX-624 0.32(mm)
ICV 200-74492/13		07/03/2014 01:24	1	8394_013.D	RTX-624 0.32(mm)
ZZZZZ		07/03/2014 02:15	1		RTX-624 0.32(mm)
ZZZZZ		07/03/2014 03:07	1		RTX-624 0.32(mm)
ZZZZZ		07/03/2014 03:58	1		RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-23084-1

SDG No.:

Instrument ID: CHG.i Start Date: 07/10/2014 10:45

Analysis Batch Number: 74747 End Date: 07/11/2014 08:21

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-74747/1		07/10/2014 10:45	1	8501_001.D	RTX-624 0.32(mm)
CCVIS 200-74747/2		07/10/2014 11:47	1	8501_002.D	RTX-624 0.32(mm)
LCS 200-74747/3		07/10/2014 12:39	1	8501_003.D	RTX-624 0.32(mm)
MB 200-74747/4		07/10/2014 13:30	1	8501_004.D	RTX-624 0.32(mm)
ZZZZZ		07/10/2014 14:21	26.1		RTX-624 0.32(mm)
200-23084-7	2573	07/10/2014 15:18	0.2	8501_006.D	RTX-624 0.32(mm)
ZZZZZ		07/10/2014 16:09	1150		RTX-624 0.32(mm)
ZZZZZ		07/10/2014 17:00	21.6		RTX-624 0.32(mm)
ZZZZZ		07/10/2014 17:51	1.25		RTX-624 0.32(mm)
ZZZZZ		07/10/2014 18:42	9.94		RTX-624 0.32(mm)
ZZZZZ		07/10/2014 19:34	9.95		RTX-624 0.32(mm)
ZZZZZ		07/10/2014 20:25	19.9		RTX-624 0.32(mm)
ZZZZZ		07/10/2014 21:16	89.2		RTX-624 0.32(mm)
ZZZZZ		07/10/2014 22:07	21.4		RTX-624 0.32(mm)
ZZZZZ		07/10/2014 22:58	1		RTX-624 0.32(mm)
ZZZZZ		07/10/2014 23:49	3.52		RTX-624 0.32(mm)
ZZZZZ		07/11/2014 00:40	4.98		RTX-624 0.32(mm)
ZZZZZ		07/11/2014 01:31	2		RTX-624 0.32(mm)
ZZZZZ		07/11/2014 02:22	2.5		RTX-624 0.32(mm)
ZZZZZ		07/11/2014 03:13	1		RTX-624 0.32(mm)
ZZZZZ		07/11/2014 04:04	143000		RTX-624 0.32(mm)
ZZZZZ		07/11/2014 04:56	680000		RTX-624 0.32(mm)
ZZZZZ		07/11/2014 05:47	141000		RTX-624 0.32(mm)
ZZZZZ		07/11/2014 06:38	608000		RTX-624 0.32(mm)
ZZZZZ		07/11/2014 07:30	10		RTX-624 0.32(mm)
ZZZZZ		07/11/2014 08:21	9.87		RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-23111-1

SDG No.:

Instrument ID: CHW.i Start Date: 06/14/2014 06:27

Analysis Batch Number: 73568 End Date: 06/15/2014 03:49

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-73568/1		06/14/2014 06:27	1	8058_001.d	RTX-624 0.32(mm)
VIBLK 200-73568/2		06/14/2014 07:17	1		RTX-624 0.32(mm)
ZZZZZ		06/14/2014 08:06	1		RTX-624 0.32(mm)
ZZZZZ		06/14/2014 08:56	1		RTX-624 0.32(mm)
IC 200-73568/5		06/14/2014 09:46	1	8058_005.d	RTX-624 0.32(mm)
IC 200-73568/6		06/14/2014 10:36	1	8058_006.d	RTX-624 0.32(mm)
ICIS 200-73568/7		06/14/2014 11:26	1	8058_007.d	RTX-624 0.32(mm)
IC 200-73568/8		06/14/2014 12:16	1	8058_008.d	RTX-624 0.32(mm)
IC 200-73568/9		06/14/2014 13:06	1	8058_009.d	RTX-624 0.32(mm)
IC 200-73568/10		06/14/2014 13:56	1	8058_010.d	RTX-624 0.32(mm)
VIBLK 200-73568/11		06/14/2014 14:44	1		RTX-624 0.32(mm)
VIBLK 200-73568/12		06/14/2014 15:34	1		RTX-624 0.32(mm)
ICV 200-73568/13		06/14/2014 16:24	1		RTX-624 0.32(mm)
ZZZZZ		06/14/2014 17:15	1		RTX-624 0.32(mm)
VIBLK 200-73568/15		06/14/2014 18:05	1		RTX-624 0.32(mm)
IC 200-73568/16		06/14/2014 23:41	1	8058_016.d	RTX-624 0.32(mm)
IC 200-73568/17		06/15/2014 00:33	1	8058_017.d	RTX-624 0.32(mm)
VIBLK 200-73568/18		06/15/2014 01:21	1		RTX-624 0.32(mm)
ICV 200-73568/19		06/15/2014 02:11	1	8058_019.d	RTX-624 0.32(mm)
ZZZZZ		06/15/2014 03:00	1		RTX-624 0.32(mm)
VIBLK 200-73568/21		06/15/2014 03:49	1		RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-23111-1

SDG No.:

Instrument ID: CHW.i Start Date: 07/10/2014 10:45

Analysis Batch Number: 74743 End Date: 07/11/2014 10:09

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-74743/1		07/10/2014 10:45	1	8499_001.d	RTX-624 0.32(mm)
CCVIS 200-74743/2		07/10/2014 11:48	1	8499_002.d	RTX-624 0.32(mm)
LCS 200-74743/3		07/10/2014 12:37	1	8499_003.d	RTX-624 0.32(mm)
MB 200-74743/4		07/10/2014 13:26	1	8499_004.d	RTX-624 0.32(mm)
ZZZZZ		07/10/2014 14:36	0.2		RTX-624 0.32(mm)
200-23111-11	4324	07/10/2014 15:43	0.2	8499_006.d	RTX-624 0.32(mm)
ZZZZZ		07/10/2014 16:50	0.2		RTX-624 0.32(mm)
ZZZZZ		07/10/2014 17:40	1		RTX-624 0.32(mm)
ZZZZZ		07/10/2014 18:30	1		RTX-624 0.32(mm)
ZZZZZ		07/10/2014 19:20	1		RTX-624 0.32(mm)
ZZZZZ		07/10/2014 20:12	1		RTX-624 0.32(mm)
ZZZZZ		07/10/2014 21:02	1		RTX-624 0.32(mm)
ZZZZZ		07/10/2014 21:53	1		RTX-624 0.32(mm)
ZZZZZ		07/10/2014 22:44	1		RTX-624 0.32(mm)
ZZZZZ		07/10/2014 23:36	1		RTX-624 0.32(mm)
ZZZZZ		07/11/2014 00:27	1		RTX-624 0.32(mm)
ZZZZZ		07/11/2014 01:19	1		RTX-624 0.32(mm)
ZZZZZ		07/11/2014 02:10	1		RTX-624 0.32(mm)
ZZZZZ		07/11/2014 03:02	1		RTX-624 0.32(mm)
ZZZZZ		07/11/2014 03:54	1		RTX-624 0.32(mm)
ZZZZZ		07/11/2014 04:44	1		RTX-624 0.32(mm)
ZZZZZ		07/11/2014 05:37	1		RTX-624 0.32(mm)
ZZZZZ		07/11/2014 06:29	1		RTX-624 0.32(mm)
ZZZZZ		07/11/2014 07:18	1		RTX-624 0.32(mm)
ZZZZZ		07/11/2014 08:31	0.2		RTX-624 0.32(mm)
ZZZZZ		07/11/2014 09:20	26.1		RTX-624 0.32(mm)
ZZZZZ		07/11/2014 10:09	2.99		RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-23114-1

SDG No.:

Instrument ID: CHW.i Start Date: 06/14/2014 06:27

Analysis Batch Number: 73568 End Date: 06/15/2014 03:49

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-73568/1		06/14/2014 06:27	1	8058_001.d	RTX-624 0.32(mm)
VIBLK 200-73568/2		06/14/2014 07:17	1		RTX-624 0.32(mm)
ZZZZZ		06/14/2014 08:06	1		RTX-624 0.32(mm)
ZZZZZ		06/14/2014 08:56	1		RTX-624 0.32(mm)
IC 200-73568/5		06/14/2014 09:46	1	8058_005.d	RTX-624 0.32(mm)
IC 200-73568/6		06/14/2014 10:36	1	8058_006.d	RTX-624 0.32(mm)
ICIS 200-73568/7		06/14/2014 11:26	1	8058_007.d	RTX-624 0.32(mm)
IC 200-73568/8		06/14/2014 12:16	1	8058_008.d	RTX-624 0.32(mm)
IC 200-73568/9		06/14/2014 13:06	1	8058_009.d	RTX-624 0.32(mm)
IC 200-73568/10		06/14/2014 13:56	1	8058_010.d	RTX-624 0.32(mm)
VIBLK 200-73568/11		06/14/2014 14:44	1		RTX-624 0.32(mm)
VIBLK 200-73568/12		06/14/2014 15:34	1		RTX-624 0.32(mm)
ICV 200-73568/13		06/14/2014 16:24	1		RTX-624 0.32(mm)
ZZZZZ		06/14/2014 17:15	1		RTX-624 0.32(mm)
VIBLK 200-73568/15		06/14/2014 18:05	1		RTX-624 0.32(mm)
IC 200-73568/16		06/14/2014 23:41	1	8058_016.d	RTX-624 0.32(mm)
IC 200-73568/17		06/15/2014 00:33	1	8058_017.d	RTX-624 0.32(mm)
VIBLK 200-73568/18		06/15/2014 01:21	1		RTX-624 0.32(mm)
ICV 200-73568/19		06/15/2014 02:11	1	8058_019.d	RTX-624 0.32(mm)
ZZZZZ		06/15/2014 03:00	1		RTX-624 0.32(mm)
VIBLK 200-73568/21		06/15/2014 03:49	1		RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-23114-1

SDG No.:

Instrument ID: CHW.i Start Date: 07/10/2014 10:45

Analysis Batch Number: 74743 End Date: 07/11/2014 10:09

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-74743/1		07/10/2014 10:45	1	8499_001.d	RTX-624 0.32(mm)
CCVIS 200-74743/2		07/10/2014 11:48	1	8499_002.d	RTX-624 0.32(mm)
LCS 200-74743/3		07/10/2014 12:37	1	8499_003.d	RTX-624 0.32(mm)
MB 200-74743/4		07/10/2014 13:26	1	8499_004.d	RTX-624 0.32(mm)
200-23114-12	5129	07/10/2014 14:36	0.2	8499_005.d	RTX-624 0.32(mm)
ZZZZZ		07/10/2014 15:43	0.2		RTX-624 0.32(mm)
ZZZZZ		07/10/2014 16:50	0.2		RTX-624 0.32(mm)
ZZZZZ		07/10/2014 17:40	1		RTX-624 0.32(mm)
ZZZZZ		07/10/2014 18:30	1		RTX-624 0.32(mm)
ZZZZZ		07/10/2014 19:20	1		RTX-624 0.32(mm)
ZZZZZ		07/10/2014 20:12	1		RTX-624 0.32(mm)
ZZZZZ		07/10/2014 21:02	1		RTX-624 0.32(mm)
ZZZZZ		07/10/2014 21:53	1		RTX-624 0.32(mm)
ZZZZZ		07/10/2014 22:44	1		RTX-624 0.32(mm)
ZZZZZ		07/10/2014 23:36	1		RTX-624 0.32(mm)
ZZZZZ		07/11/2014 00:27	1		RTX-624 0.32(mm)
ZZZZZ		07/11/2014 01:19	1		RTX-624 0.32(mm)
ZZZZZ		07/11/2014 02:10	1		RTX-624 0.32(mm)
ZZZZZ		07/11/2014 03:02	1		RTX-624 0.32(mm)
ZZZZZ		07/11/2014 03:54	1		RTX-624 0.32(mm)
ZZZZZ		07/11/2014 04:44	1		RTX-624 0.32(mm)
ZZZZZ		07/11/2014 05:37	1		RTX-624 0.32(mm)
ZZZZZ		07/11/2014 06:29	1		RTX-624 0.32(mm)
ZZZZZ		07/11/2014 07:18	1		RTX-624 0.32(mm)
ZZZZZ		07/11/2014 08:31	0.2		RTX-624 0.32(mm)
ZZZZZ		07/11/2014 09:20	26.1		RTX-624 0.32(mm)
ZZZZZ		07/11/2014 10:09	2.99		RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-23144-1

SDG No.:

Instrument ID: CHG.i Start Date: 07/02/2014 15:15

Analysis Batch Number: 74492 End Date: 07/03/2014 03:58

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-74492/1		07/02/2014 15:15	1	8394_001.D	RTX-624 0.32(mm)
VIBLK 200-74492/2		07/02/2014 16:01	1		RTX-624 0.32(mm)
IC 200-74492/3		07/02/2014 16:53	1	8394_003.D	RTX-624 0.32(mm)
IC 200-74492/4		07/02/2014 17:44	1	8394_004.D	RTX-624 0.32(mm)
IC 200-74492/5		07/02/2014 18:35	1	8394_005.D	RTX-624 0.32(mm)
IC 200-74492/6		07/02/2014 19:26	1	8394_006.D	RTX-624 0.32(mm)
ICIS 200-74492/7		07/02/2014 20:17	1	8394_007.D	RTX-624 0.32(mm)
IC 200-74492/8		07/02/2014 21:08	1	8394_008.D	RTX-624 0.32(mm)
IC 200-74492/9		07/02/2014 21:59	1	8394_009.D	RTX-624 0.32(mm)
IC 200-74492/10		07/02/2014 22:50	1	8394_010.D	RTX-624 0.32(mm)
VIBLK 200-74492/11		07/02/2014 23:41	1		RTX-624 0.32(mm)
VIBLK 200-74492/12		07/03/2014 00:33	1		RTX-624 0.32(mm)
ICV 200-74492/13		07/03/2014 01:24	1	8394_013.D	RTX-624 0.32(mm)
ZZZZZ		07/03/2014 02:15	1		RTX-624 0.32(mm)
ZZZZZ		07/03/2014 03:07	1		RTX-624 0.32(mm)
ZZZZZ		07/03/2014 03:58	1		RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-23144-1

SDG No.:

Instrument ID: CHG.i Start Date: 07/11/2014 09:53

Analysis Batch Number: 74788 End Date: 07/12/2014 06:24

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-74788/1		07/11/2014 09:53	1	8512_001.D	RTX-624 0.32(mm)
CCVIS 200-74788/2		07/11/2014 10:42	1	8512_002.D	RTX-624 0.32(mm)
LCS 200-74788/3		07/11/2014 11:33	1	8512_003.D	RTX-624 0.32(mm)
MB 200-74788/4		07/11/2014 12:24	1	8512_004.D	RTX-624 0.32(mm)
ZZZZZ		07/11/2014 13:15	2		RTX-624 0.32(mm)
ZZZZZ		07/11/2014 14:06	8.05		RTX-624 0.32(mm)
200-23144-2	4820	07/11/2014 15:04	0.2	8512_007.D	RTX-624 0.32(mm)
ZZZZZ		07/11/2014 15:55	1		RTX-624 0.32(mm)
ZZZZZ		07/11/2014 16:46	1		RTX-624 0.32(mm)
ZZZZZ		07/11/2014 17:37	2.99		RTX-624 0.32(mm)
ZZZZZ		07/11/2014 18:28	4		RTX-624 0.32(mm)
ZZZZZ		07/11/2014 19:19	10		RTX-624 0.32(mm)
ZZZZZ		07/11/2014 20:10	75.4		RTX-624 0.32(mm)
ZZZZZ		07/11/2014 21:01	98.6		RTX-624 0.32(mm)
ZZZZZ		07/11/2014 21:52	1.98		RTX-624 0.32(mm)
ZZZZZ		07/11/2014 22:43	1		RTX-624 0.32(mm)
ZZZZZ		07/11/2014 23:34	1		RTX-624 0.32(mm)
ZZZZZ		07/12/2014 00:25	1		RTX-624 0.32(mm)
ZZZZZ		07/12/2014 01:16	1		RTX-624 0.32(mm)
ZZZZZ		07/12/2014 02:08	1		RTX-624 0.32(mm)
ZZZZZ		07/12/2014 02:59	37.6		RTX-624 0.32(mm)
ZZZZZ		07/12/2014 03:51	95.6		RTX-624 0.32(mm)
ZZZZZ		07/12/2014 04:42	49.9		RTX-624 0.32(mm)
ZZZZZ		07/12/2014 05:33	88.5		RTX-624 0.32(mm)
ZZZZZ		07/12/2014 06:24	1		RTX-624 0.32(mm)

Shipping and Receiving Documents

AFCEC
CHAIN OF CUSTODY RECORD

COC#: 1 SDG#: 1 Cooler ID: A

Ship to: Kathryn Kelly Test America - Burlington 30 Community Drive, Suite 11 South Burlington, VT 05403 Tel: (802)923-1027	Project Name: Griffiss AFB 1015-11-01 SVI Sampler Name: Katrina Mattice	Send Results to: Katrina Mattice FPM Remediations Inc 584 Phoenix Dr Rome, NY 13441
Carrier: Fedex	Sampler Signature: K Mattice	Phone: (315) 336-7721 Ext 212

Analyses Requested

Field Sample ID	Location ID (LOCID)	Date 2014	Time	MATRIX	SMCODE	SBD/SED	SACODE	Start Vacuum (in Hg)	End Vacuum (in Hg)	No. of Containers	VOCs Note 1 6 L canister	ANALYSIS NOTE	Comments
774VMP0101KA	774VMP-1	7.17	0915	GS	AC	0/0	N	-29.5	-5	1	1	1	Can# 2679 Reg#5596
774VMP0201KA	774VMP-2	7.17	0925	GS	AC	0/0	N	-30	-5	1	1	1	can # 3338 Reg#5820
774VMP0301KA	774VMP-3	7.17	0935	GS	AC	0/0	N	-30	-2	1	1	1	can# 5719 Reg# 5818
776VMP0201KC	776VMP-2	7.17	1150	GS	AC	0/0	N	-30	-5	1	1	1	can# 4378 Reg# 5817
776VMP0101KA	776VMP-1	7.17	1200	GS	AC	0/0	N	-30	-5	1	1	1	Can# 5022 Reg# 5821
776VMP0201KA	776VMP-2	7.17	1150	GS	AC	0/0	N	-30	-5	1	1	1	Can# 3243 Reg# 5822
776VMP0301KA	776VMP-3	7.17	1210	GS	AC	0/0	N	-30	-5	1	1	1	Can# 5731 Reg# 5816
774IA1LA	774-IA	7.17	0840	GS	AC	0/0	N	-28	-8	1	1	1	can# 5420 Reg# 5183
774776OA1LA	774776-OA	7.17	0900	GS	AC	0/0	N	-28	-8	1	1	1	can# 5129 Reg# 5200
776IA1LA	776-IA	7.17	0850	GS	AC	0/0	N	-30	-10	1	1	1	can # 3010 Reg# 5187

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.

C

280-58003 Chain of Custody

#1 Released by: (Sig) K Mattice	Date: 7/18/14	#2 Released by: (Sig)	Date:	#3 Released by: (Sig)	
Company Name: FPM	Time: 1700	Company Name: FPM Remediations Inc	Time:	Company Name:	Time:
#1 Received by: (Sig)	Date:	#2 Received by: (Sig) Scott Z	Date: 7/21/14	#3 Received by: (Sig)	Date:
Company Name: FPM Remediations Inc	Time:	Company Name: TAS	Time: 1400	Company Name:	Time:

AFCEC
CHAIN OF CUSTODY RECORD

COC#: 1 SDG#: 1 Cooler ID: A

Ship to: Kathryn Kelly Test America - Burlington 30 Community Drive, Suite 11 South Burlington, VT 05403 Tel: (802)923-1027	Project Name: Griffiss AFB 1015-11-01 SVI Sampler Name: Katrina Mattice	Send Results to: Katrina Mattice FPM Remediations Inc 584 Phoenix Dr Rome, NY 13441
Carrier: Fedex	Sampler Signature: Katrina Mattice	Phone: (315) 336-7721 Ext 212

Analyses Requested

Field Sample ID	Location ID (LOCID)	Date 2014	Time	MATRIX	SMCODE	SBD/SED	SACODE	Start Vacuum (in Hg)	End Vacuum (in Hg)	No. of Containers	VOCs Note 1 6 L canister	ANALYSIS NOTE	Comments
774776CA01KA	774776-Influent	7-16	1145	GS	AC	0/0	N	X	X	1	1	1	Can# 5619, Reg# 5585

Sample Condition Upon Receipt at Laboratory:

Cooler Temperature:

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) Katrina Mattice	Date: 7/18/14	#2 Released by: (Sig)	Date:	#3 Released by: (Sig)	Date:
Company Name: FPM	Time: 1700	Company Name: FPM Remediations Inc	Time:	Company Name:	Time:
#1 Received by: (Sig)	Date:	#2 Received by: (Sig) Scott	Date: 7/21/14	#3 Received by: (Sig)	Date:
Company Name: FPM Remediations Inc	Time:	Company Name: TAS	Time: 1400	Company Name:	Time:

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
SP = Submersible Pump
AC = Air Container

SACODE
N = Normal Sample
AB = Ambient Blank
TB = Trip Blank
EB = Equipment Blank
FD = Field Duplicate
MS = Matrix Spike
SD = Matrix Spike Duplicate

Login Sample Receipt Checklist

Client: FPM Remediations Inc

Job Number: 280-58003-1

Login Number: 58003
List Number: 2
Creator: Lavigne, Scott M

List Source: TestAmerica Burlington
List Creation: 07/22/14 11:13 AM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	True	736861,120403,404,119300,301,302,303,314
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	Thermal preservation not required.
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	AMBIENT
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	

Appendix E

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FPM REMEDIATIONS, Inc.
Data Verification and Usability Report
GRIFFISS AIR FORCE BASE
GRIFFISS SUBSLAB VAPOR MITIGATION SYSTEM
Site Griffiss AFB Buildings 785/786

Contract No. FA8903-10-D-8595
FPM Project No. 1015-11-01

TestAmerica Job # 280-58004-1

Laboratory:	TestAmerica Laboratories, Inc.
Sample Matrix:	Soil gas
Number of Samples:	10
Analytical Protocol:	DOD QSM, version 4.2, as per project-specific UFP QAPP
Data Reviewer:	Connie van Hoesel
Sample Date:	July 17-18, 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
786VMP0102LA	7/18/14		
786VMP0202LA	7/18/14		
786VMP0302LA	7/18/14		
785IA13	7/17/14		
786IA12	7/17/14		
785786OA09	7/17/14		
785VMP0202MA	7/18/14	785VMP0202MC	7/18/14
785VMP0501JA	7/18/14		
785VMP0401LA	7/18/14		

Notes:

Refer to attached chain-of-custody for detailed sampling information and sample specific analyses requested.
IA, JA, LA, MA – Primary environmental samples
MC – Field duplicate samples

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 MDL and RL), 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 RL, no further action was taken in such instances.

SAMPLE LABELING/CHAIN-OF-CUSTODY

All discrepancies noted between the sample labels and the chain-of-custody were resolved as discussed in the case narrative.

VOLATILE ORGANIC COMOUNDS (VOCs)

- According to the case narrative, the following samples were analyzed at initial dilutions:

Sample	Dilution
786VMP0202LA	1:4.0
786VMP0102LA	1:2.0
785VMP0202MA	1:2.0
785VMP0501JA	1:104
785VMP0401LA	1:396

The dilution results only are reported and are used in data verification as representing original results.

- According to the case narrative, in the following continuing calibration verification (CCV), analytes exhibited the following exceedances:

Type of Calibration Exceedance Affected Analytes	%D/ %RSD	AFCEE QC Limit	Flag Applied	Rationale
CCVIS 200-75211/2				
Naphthalene	***37.3***	±30	None	%D > upper control limit; all associated results non-detect
1,2,3-Trichlorobenzene	***57.0***	±30	None	Not associated with field samples

Corrective Action: No flagging was deemed necessary since the exceeding analyte was either not associated with field sample results, or associated results were non-detect and the bias was high.

- 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 785VMP0202MA/MC.

Sample ID, Normal	Sample ID, Field Duplicate	Analyte	Normal Result (µg/m3)	Field Dup Result (µg/m3)	LOQ (µg/m3)	RPD	Flag Applied	Rationale
785VMP0202MA	785VMP0202MC	Dichlorodifluoromethane	4.6 J	3.1	4.9, 2.5	1.5	None	Total difference < 2xLOQ
785VMP0202MA	785VMP0202MC	Freon 22	2.0 J	1.2 J	3.5, 1.8	0.8	None	Total difference < 2xLOQ
785VMP0202MA	785VMP0202MC	Chloromethane	12	4.2	2.1, 1.0	***7.8***	J	Total difference

Sample ID, Normal	Sample ID, Field Duplicate	Analyte	Normal Result (µg/m3)	Field Dup Result (µg/m3)	LOQ (µg/m3)	RPD	Flag Applied	Rationale
								> 2xLOQ
785VMP0202MA	785VMP0202MC	n-Butane	2.9	1.2	2.4, 1.2	1.7	None	Total difference < 2xLOQ
785VMP0202MA	785VMP0202MC	Trichlorofluoromethane	2.7	1.4	2.2, 1.1	1.3	None	Total difference < 2xLOQ
785VMP0202MA	785VMP0202MC	Freon TF	2.6 J	0.61 J	3.1, 1.5	2.0	None	Total difference < 2xLOQ
785VMP0202MA	785VMP0202MC	Acetone	28	26	24, 12	2	None	Total difference < 2xLOQ
785VMP0202MA	785VMP0202MC	Isopropyl alcohol	29	7.5 J	25, 12	21.5	None	Total difference < 2xLOQ
785VMP0202MA	785VMP0202MC	Carbon disulfide	4.7	3.0	3.1, 1.6	1.7	None	Total difference < 2xLOQ
785VMP0202MA	785VMP0202MC	Methylene chloride	1.4 U	0.45 J	3.5, 1.7	0.95	None	Total difference < 2xLOQ
785VMP0202MA	785VMP0202MC	tert-Butyl alcohol	8.9 J	2.5 J	30, 15	6.4	None	Total difference < 2xLOQ
785VMP0202MA	785VMP0202MC	n-Hexane	7.5	1.8	1.4, 0.70	5.7	None	Total difference < 2xLOQ
785VMP0202MA	785VMP0202MC	Methyl Ethyl Ketone	10	5.5	2.9, 1.5	4.5	None	Total difference < 2xLOQ
785VMP0202MA	785VMP0202MC	Chloroform	26	2.0	2.0, 0.98	***24***	J	Total difference > 2xLOQ
785VMP0202MA	785VMP0202MC	Tetrahydrofuran	95	16	29, 15	***79***	J	Total difference > 2xLOQ
785VMP0202MA	785VMP0202MC	Carbon tetrachloride	0.86 J	0.47 J	2.5, 1.3	0.39	None	Total difference < 2xLOQ
785VMP0202MA	785VMP0202MC	Benzene	0.68 J	0.33 J	1.3, 0.64	0.35	None	Total difference < 2xLOQ
785VMP0202MA	785VMP0202MC	Trichloroethene	400	21	2.1, 1.1	***180***	J	RPD > 25%
785VMP0202MA	785VMP0202MC	1,4-dioxane	1.4 U	6.6 J	36, 18	5.2	None	Total difference < 2xLOQ
785VMP0202MA	785VMP0202MC	Methyl isobutyl ketone	1.2 J	0.53 J	4.1, 2.0	0.67	None	Total

Sample ID, Normal	Sample ID, Field Duplicate	Analyte	Normal Result (µg/m3)	Field Dup Result (µg/m3)	LOQ (µg/m3)	RPD	Flag Applied	Rationale
								difference < 2xLOQ
785VMP0202MA	785VMP0202MC	Toluene	1.9	0.75	1.5, 0.75	1.2	None	Total difference < 2xLOQ
785VMP0202MA	785VMP0202MC	2-Hexanone	1.6 U	1.2 J	4.1, 2.0	0.4	None	Total difference < 2xLOQ
785VMP0202MA	785VMP0202MC	Ethylbenzene	0.76 J	0.18 J	1.7, 0.87	0.58	None	Total difference < 2xLOQ
785VMP0202MA	785VMP0202MC	m,p-Xylene	1.6 J	0.33 J	4.3, 2.2	1.3	None	Total difference < 2xLOQ
785VMP0202MA	785VMP0202MC	o-Xylene	2.3	0.15 J	1.7, 0.87	2.2	None	Total difference < 2xLOQ
785VMP0202MA	785VMP0202MC	Total Xylene	0.29 J	0.47 J	1.7, 0.87	0.18	None	Total difference < 2xLOQ
785VMP0202MA	785VMP0202MC	Styrene	0.29 J	0.13 U	1.7, 0.85	0.16	None	Total difference < 2xLOQ
785VMP0202MA	785VMP0202MC	Cumene	0.19 J	0.15 U	2.0, 0.98	0.04	None	Total difference < 2xLOQ
785VMP0202MA	785VMP0202MC	4-Ethyltoluene	0.30 J	0.39 U	2.0, 0.98	0.09	None	Total difference < 2xLOQ
785VMP0202MA	785VMP0202MC	1,3,5-Trimethylbenzene	0.38 J	0.059 J	2.0, 0.98	0.32	None	Total difference < 2xLOQ
785VMP0202MA	785VMP0202MC	1,2,4-Trimethylbenzene	1.4 J	0.26 J	2.0, 0.98	1.1	None	Total difference < 2xLOQ
785VMP0202MA	785VMP0202MC	1,3-Dichlorobenzene	3.1	0.19 J	2.4, 1.2	2.9	None	Total difference < 2xLOQ

Corrective Action: A "J" flag was applied to the duplicate sample set 785VMP0202MA/MC for the analytes as listed above, since either the total difference was greater than twice the LOQ, or the RPD exceeded the control limit. All other results 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 # 280-58004-1 are usable, which can be used with qualifications as noted in the data review.

Signed: Concordia van Hoesel Date: 9/14/14

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: 280-58004-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
280-58004-1	786VMP0202LA	Air	07/18/2014 1440	07/21/2014 1400
280-58004-2	786VMP0302LA	Air	07/18/2014 1450	07/21/2014 1400
280-58004-3	786VMP0102LA	Air	07/18/2014 1500	07/21/2014 1400
280-58004-4	785IA13	Air	07/17/2014 1020	07/21/2014 1400
280-58004-5	786IA12	Air	07/17/2014 1030	07/21/2014 1400
280-58004-6	785786OA09	Air	07/17/2014 1040	07/21/2014 1400
280-58004-7	785VMP0202MA	Air	07/18/2014 1340	07/21/2014 1400
280-58004-8	785VMP0501JA	Air	07/18/2014 1350	07/21/2014 1400
280-58004-9	785VMP0401LA	Air	07/18/2014 1400	07/21/2014 1400
280-58004-10	785VMP0202MC	Air	07/18/2014 1340	07/21/2014 1400

CASE NARRATIVE
Client: FPM Remediations Inc
Project: Griffiss AFB 1015-11-01 SVI
Report Number: 280-58004-1

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

Ten samples were received at TestAmerica Burlington on 07/21/2014; the samples arrived in good condition.

VOLATILE ORGANIC COMPOUNDS (GC/MS) - TO-15

Samples 786VMP0202LA (280-58004-1), 786VMP0302LA (280-58004-2), 786VMP0102LA (280-58004-3), 785IA13 (280-58004-4), 786IA12 (280-58004-5), 785786OA09 (280-58004-6), 785VMP0202MA (280-58004-7), 785VMP0501JA (280-58004-8), 785VMP0401LA (280-58004-9) and 785VMP0202MC (280-58004-10) were analyzed for volatile organic compounds in accordance with TO-15. The samples were analyzed on 07/23/2014, 07/24/2014, 08/05/2014, 08/06/2014 and 08/07/2014.

1,2,4-Trichlorobenzene, 1,2-Dichlorobenzene, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene and Hexachlorobutadiene were detected in method blank MB 200-75709/4 at levels that were above the method detection limits but below the reporting limits. The values should be considered estimates, and have been flagged "J". However, because the result concentrations were less than ½ the respective reporting limits, no corrective action was necessary.

Samples 786VMP0202LA (280-58004-1), 786VMP0102LA (280-58004-3), 785VMP0202MA (280-58004-7), 785VMP0501JA (280-58004-8) and 785VMP0401LA (280-58004-9) required dilutions prior to analysis. The reporting limits have been adjusted accordingly.

The continuing calibration verification (CCV) associated with batch 200-75211 recovered above the upper control limit for Napthalene. The samples associated with this CCV were non-detect for the affected analyte; therefore, the data have been reported. The following sample is impacted: 785786OA09 (280-58004-6).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Client: FPM Remediations Inc

Job Number: 280-58004-1

Client Sample ID: **786VMP0202LA**

Lab Sample ID: 280-58004-1
Client Matrix: Air

Date Sampled: 07/18/2014 1440
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75709	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8889_010.d
Dilution:	4.0			Initial Weight/Volume:	50 mL
Analysis Date:	08/06/2014 1924			Final Weight/Volume:	200 mL
Prep Date:	08/06/2014 1924			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	0.60	J	0.12	2.0
Freon 22	0.29	J	0.19	2.0
1,2-Dichlorotetrafluoroethane	0.32	U	0.14	0.80
Chloromethane	2.0	U	0.54	2.0
n-Butane	2.0	U	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	0.33	J	0.12	0.80
Freon TF	0.30	J	0.072	0.80
1,1-Dichloroethene	0.32	U	0.096	0.80
Acetone	10	U	5.0	20
Isopropyl alcohol	2.0	U	0.86	20
Carbon disulfide	0.34	J	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	2.0	U	1.3	20
Methyl tert-butyl ether	0.32	U	0.088	0.80
trans-1,2-Dichloroethene	0.32	U	0.12	0.80
n-Hexane	0.32	U	0.14	0.80
1,1-Dichloroethane	0.32	U	0.15	0.80
Methyl Ethyl Ketone	2.0	U	0.97	2.0
cis-1,2-Dichloroethene	0.23	J	0.15	0.80
1,2-Dichloroethene, Total	0.32	U	0.26	0.80
Chloroform	33		0.10	0.80
Tetrahydrofuran	0.43	J	0.18	20
1,1,1-Trichloroethane	2.6		0.084	0.80
Cyclohexane	0.32	U	0.10	0.80
Carbon tetrachloride	0.32	U	0.084	0.80
2,2,4-Trimethylpentane	0.32	U	0.11	0.80
Benzene	0.15	J	0.076	0.80
1,2-Dichloroethane	0.12	U	0.068	0.80
n-Heptane	0.32	U	0.18	0.80
Trichloroethene	76		0.096	0.80
Methyl methacrylate	0.32	U	0.12	2.0
1,2-Dichloropropane	0.32	U	0.13	0.80
1,4-Dioxane	0.80	U	0.80	20
Bromodichloromethane	0.31	J	0.068	0.80
cis-1,3-Dichloropropene	0.32	U	0.11	0.80
methyl isobutyl ketone	0.32	U	0.11	2.0
Toluene	0.16	J	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	0.24	J	0.064	0.80

ALS 9/14/14

Client: FPM Remediations Inc

Job Number: 280-58004-1

Client Sample ID: 786VMP0202LA

Lab Sample ID: 280-58004-1
Client Matrix: Air

Date Sampled: 07/18/2014 1440
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75709	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8889_010.d
Dilution:	4.0			Initial Weight/Volume:	50 mL
Analysis Date:	08/06/2014 1924			Final Weight/Volume:	200 mL
Prep Date:	08/06/2014 1924			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	0.12	U	0.052	0.80
m,p-Xylene	0.32	U	0.092	2.0
Xylene, o-	0.12	U	0.064	0.80
Xylene (total)	0.32	U	0.14	0.80
Styrene	0.12	U	0.072	0.80
Bromoform	0.12	U	0.040	0.80
Cumene	0.12	U	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	0.12	U	0.072	0.80
1,3,5-Trimethylbenzene	0.12	U	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	0.12	U	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	0.12	U	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	0.32	U	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	3.0	J Ø	0.59	9.9
Freon 22	1.0	J Ø	0.68	7.1
1,2-Dichlorotetrafluoroethane	2.2	U	0.98	5.6
Chloromethane	4.1	U	1.1	4.1
n-Butane	4.8	U	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	1.9	J Ø	0.67	4.5
Freon TF	2.3	J Ø	0.55	6.1
1,1-Dichloroethene	1.3	U	0.38	3.2
Acetone	24	U	12	48
Isopropyl alcohol	4.9	U	2.1	49
Carbon disulfide	1.1	J Ø	0.82	6.2

cwt 9/14/14

Client: FPM Remediations Inc

Job Number: 280-58004-1

Client Sample ID: **786VMP0202LA**

Lab Sample ID: 280-58004-1
Client Matrix: Air

Date Sampled: 07/18/2014 1440
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75709	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8889_010.d
Dilution:	4.0			Initial Weight/Volume:	50 mL
Analysis Date:	08/06/2014 1924			Final Weight/Volume:	200 mL
Prep Date:	08/06/2014 1924			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	6.1	U	4.0	61
Methyl tert-butyl ether	1.2	U	0.32	2.9
trans-1,2-Dichloroethene	1.3	U	0.46	3.2
n-Hexane	1.1	U	0.48	2.8
1,1-Dichloroethane	1.3	U	0.62	3.2
Methyl Ethyl Ketone	5.9	U	2.9	5.9
cis-1,2-Dichloroethene	0.90	J Ø M	0.60	3.2
1,2-Dichloroethene, Total	1.3	U	1.0	3.2
Chloroform	160	Ø	0.49	3.9
Tetrahydrofuran	1.3	J Ø	0.54	59
1,1,1-Trichloroethane	14	Ø	0.46	4.4
Cyclohexane	1.1	U	0.34	2.8
Carbon tetrachloride	2.0	U	0.53	5.0
2,2,4-Trimethylpentane	1.5	U	0.50	3.7
Benzene	0.49	J Ø	0.24	2.6
1,2-Dichloroethane	0.49	U	0.28	3.2
n-Heptane	1.3	U	0.75	3.3
Trichloroethene	410	Ø	0.52	4.3
Methyl methacrylate	1.3	U	0.49	8.2
1,2-Dichloropropane	1.5	U	0.59	3.7
1,4-Dioxane	2.9	U	2.9	72
Bromodichloromethane	2.1	J Ø	0.46	5.4
cis-1,3-Dichloropropene	1.5	U	0.51	3.6
methyl isobutyl ketone	1.3	U	0.44	8.2
Toluene	0.59	J Ø	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	1.6	J Ø	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	0.52	U	0.23	3.5
m,p-Xylene	1.4	U	0.40	8.7
Xylene, o-	0.52	U	0.28	3.5
Xylene (total)	1.4	U	0.59	3.5
Styrene	0.51	U	0.31	3.4
Bromoform	1.2	U	0.41	8.3
Cumene	0.59	U	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	0.59	U	0.35	3.9
1,3,5-Trimethylbenzene	0.59	U	0.24	3.9
2-Chlorotoluene	0.62	U	0.27	4.1

CRS 9/14/14

Client: FPM Remediations Inc

Job Number: 280-58004-1

Client Sample ID: **786VMP0202LA**

Lab Sample ID: 280-58004-1
Client Matrix: Air

Date Sampled: 07/18/2014 1440
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75709	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8889_010.d
Dilution:	4.0			Initial Weight/Volume:	50 mL
Analysis Date:	08/06/2014 1924			Final Weight/Volume:	200 mL
Prep Date:	08/06/2014 1924			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
tert-Butylbenzene	0.66	U	0.37	4.4
1,2,4-Trimethylbenzene	0.59	U	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	0.72	U	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	2.4	U	0.80	15
Hexachlorobutadiene	3.4	U	0.94	8.5
Naphthalene	4.2	U	4.2	10

Client: FPM Remediations Inc

Job Number: 280-58004-1

Client Sample ID: **786VMP0302LA**

Lab Sample ID: 280-58004-2
Client Matrix: Air

Date Sampled: 07/18/2014 1450
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75599	Instrument ID:	CHC.I
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8834_026.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	08/05/2014 0707			Final Weight/Volume:	200 mL
Prep Date:	08/05/2014 0707			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	0.71		0.030	0.50
Freon 22	0.37	J	0.048	0.50
1,2-Dichlorotetrafluoroethane	0.080	U	0.035	0.20
Chloromethane	0.23	J	0.14	0.50
n-Butane	0.41	J	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	0.35		0.030	0.20
Freon TF	0.088	J M	0.018	0.20
1,1-Dichloroethene	0.080	U	0.024	0.20
Acetone	18		1.3	5.0
Isopropyl alcohol	30		0.22	5.0
Carbon disulfide	4.8		0.066	0.50
3-Chloropropene	0.080	U	0.034	0.50
Methylene Chloride	0.39	J	0.13	0.50
tert-Butyl alcohol	5.6		0.33	5.0
Methyl tert-butyl ether	0.48		0.022	0.20
trans-1,2-Dichloroethene	0.080	U	0.029	0.20
n-Hexane	0.55		0.034	0.20
1,1-Dichloroethane	0.14	J	0.038	0.20
Methyl Ethyl Ketone	3.9		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	0.29		0.025	0.20
Tetrahydrofuran	3.9	J	0.046	5.0
1,1,1-Trichloroethane	0.35		0.021	0.20
Cyclohexane	1.1		0.025	0.20
Carbon tetrachloride	0.071	J	0.021	0.20
2,2,4-Trimethylpentane	0.49		0.027	0.20
Benzene	1.1		0.019	0.20
1,2-Dichloroethane	0.030	U	0.017	0.20
n-Heptane	0.54		0.046	0.20
Trichloroethene	38		0.024	0.20
Methyl methacrylate	0.81		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	0.53		0.027	0.50
Toluene	4.9		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	1.3		0.016	0.20

WDT 9/12/14

Client: FPM Remediations Inc

Job Number: 280-58004-1

Client Sample ID: **786VMP0302LA**

Lab Sample ID: 280-58004-2
Client Matrix: Air

Date Sampled: 07/18/2014 1450
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75599	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8834_026.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	08/05/2014 0707			Final Weight/Volume:	200 mL
Prep Date:	08/05/2014 0707			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	0.65		0.0081	0.20
Ethylbenzene	1.5		0.013	0.20
m,p-Xylene	3.9		0.023	0.50
Xylene, o-	1.2		0.016	0.20
Xylene (total)	5.1		0.034	0.20
Styrene	0.71		0.018	0.20
Bromoform	0.030	U	0.010	0.20
Cumene	0.23		0.016	0.20
1,1,2,2-Tetrachloroethane	0.030	U	0.016	0.20
n-Propylbenzene	0.46		0.080	0.20
4-Ethyltoluene	0.43		0.018	0.20
1,3,5-Trimethylbenzene	0.33		0.012	0.20
2-Chlorotoluene	0.081	J	0.013	0.20
tert-Butylbenzene	0.030	U	0.017	0.20
1,2,4-Trimethylbenzene	1.3		0.014	0.20
sec-Butylbenzene	0.080	U	0.080	0.20
4-Isopropyltoluene	0.14	J	0.080	0.20
1,3-Dichlorobenzene	3.0		0.014	0.20
1,4-Dichlorobenzene	0.23		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	3.5		0.15	2.5
Freon 22	1.3	J	0.17	1.8
1,2-Dichlorotetrafluoroethane	0.56	U	0.24	1.4
Chloromethane	0.47	J	0.28	1.0
n-Butane	0.97	J	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	2.0		0.17	1.1
Freon TF	0.67	J M	0.14	1.5
1,1-Dichloroethene	0.32	U	0.095	0.79
Acetone	44		3.0	12
Isopropyl alcohol	73		0.53	12
Carbon disulfide	15		0.21	1.6

CWD 9/14/14

Client: FPM Remediations Inc

Job Number: 280-58004-1

Client Sample ID: 786VMP0302LA

Lab Sample ID: 280-58004-2
Client Matrix: Air

Date Sampled: 07/18/2014 1450
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75599	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8834_026.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	08/05/2014 0707			Final Weight/Volume:	200 mL
Prep Date:	08/05/2014 0707			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
3-Chloropropene	0.25	U	0.11	1.6
Methylene Chloride	1.3	J	0.43	1.7
tert-Butyl alcohol	17		0.99	15
Methyl tert-butyl ether	1.7		0.079	0.72
trans-1,2-Dichloroethene	0.32	U	0.11	0.79
n-Hexane	1.9		0.12	0.70
1,1-Dichloroethane	0.57	J	0.15	0.81
Methyl Ethyl Ketone	11		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	1.4		0.12	0.98
Tetrahydrofuran	12	J	0.14	15
1,1,1-Trichloroethane	1.9		0.11	1.1
Cyclohexane	3.7		0.086	0.69
Carbon tetrachloride	0.45	J	0.13	1.3
2,2,4-Trimethylpentane	2.3		0.13	0.93
Benzene	3.5		0.061	0.64
1,2-Dichloroethane	0.12	U	0.069	0.81
n-Heptane	2.2		0.19	0.82
Trichloroethene	200		0.13	1.1
Methyl methacrylate	3.3		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	2.2		0.11	2.0
Toluene	19		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	8.5		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	3.0		0.037	0.92
Ethylbenzene	6.4		0.056	0.87
m,p-Xylene	17		0.10	2.2
Xylene, o-	5.2		0.069	0.87
Xylene (total)	22		0.15	0.87
Styrene	3.0		0.077	0.85
Bromoform	0.31	U	0.10	2.1
Cumene	1.1		0.079	0.98
1,1,2,2-Tetrachloroethane	0.21	U	0.11	1.4
n-Propylbenzene	2.3		0.39	0.98
4-Ethyltoluene	2.1		0.088	0.98
1,3,5-Trimethylbenzene	1.6		0.059	0.98
2-Chlorotoluene	0.42	J	0.067	1.0

Client: FPM Remediations Inc

Job Number: 280-58004-1

Client Sample ID: **786VMP0302LA**

Lab Sample ID: 280-58004-2
Client Matrix: Air

Date Sampled: 07/18/2014 1450
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75599	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8834_026.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	08/05/2014 0707			Final Weight/Volume:	200 mL
Prep Date:	08/05/2014 0707			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
tert-Butylbenzene	0.16	U	0.093	1.1
1,2,4-Trimethylbenzene	6.2		0.069	0.98
sec-Butylbenzene	0.44	U	0.44	1.1
4-Isopropyltoluene	0.76	J	0.44	1.1
1,3-Dichlorobenzene	18		0.084	1.2
1,4-Dichlorobenzene	1.4		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

Client: FPM Remediations Inc

Job Number: 280-58004-1

Client Sample ID: **786VMP0102LA**

Lab Sample ID: 280-58004-3
Client Matrix: Air

Date Sampled: 07/18/2014 1500
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75709	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8889_006.d
Dilution:	2.0			Initial Weight/Volume:	100 mL
Analysis Date:	08/06/2014 1610			Final Weight/Volume:	200 mL
Prep Date:	08/06/2014 1610			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	0.59	J Ø	0.060	1.0
Freon 22	0.26	J Ø	0.096	1.0
1,2-Dichlorotetrafluoroethane	0.16	U	0.070	0.40
Chloromethane	1.0	U	0.27	1.0
n-Butane	1.2	Ø	0.56	1.0
Vinyl chloride	0.16	U	0.076	0.40
1,3-Butadiene	0.16	U	0.084	0.40
Bromomethane	0.16	U	0.056	0.40
Chloroethane	0.16	U	0.060	1.0
Bromoethene(Vinyl Bromide)	0.16	U	0.060	0.40
Trichlorofluoromethane	0.29	J Ø	0.060	0.40
Freon TF	0.11	J Ø	0.036	0.40
1,1-Dichloroethene	0.16	U	0.048	0.40
Acetone	11	Ø	2.5	10
Isopropyl alcohol	28	Ø	0.43	10
Carbon disulfide	2.6	Ø	0.13	1.0
3-Chloropropene	0.16	U	0.068	1.0
Methylene Chloride	0.40	U	0.25	1.0
tert-Butyl alcohol	5.2	J Ø	0.66	10
Methyl tert-butyl ether	0.36	J Ø	0.044	0.40
trans-1,2-Dichloroethene	0.16	U	0.058	0.40
n-Hexane	0.44	Ø	0.068	0.40
1,1-Dichloroethane	0.16	U	0.076	0.40
Methyl Ethyl Ketone	3.8	Ø	0.48	1.0
cis-1,2-Dichloroethene	0.16	U	0.076	0.40
1,2-Dichloroethene, Total	0.16	U	0.13	0.40
Chloroform	0.54	Ø	0.050	0.40
Tetrahydrofuran	2.6	J Ø	0.092	10
1,1,1-Trichloroethane	0.16	U	0.042	0.40
Cyclohexane	0.79	Ø M	0.050	0.40
Carbon tetrachloride	0.084	J Ø	0.042	0.40
2,2,4-Trimethylpentane	0.26	J Ø	0.054	0.40
Benzene	0.43	Ø	0.038	0.40
1,2-Dichloroethane	0.060	U	0.034	0.40
n-Heptane	0.25	J Ø	0.092	0.40
Trichloroethene	51	Ø	0.048	0.40
Methyl methacrylate	0.68	J Ø	0.060	1.0
1,2-Dichloropropane	0.16	U	0.064	0.40
1,4-Dioxane	0.40	U	0.40	10
Bromodichloromethane	0.060	U	0.034	0.40
cis-1,3-Dichloropropene	0.16	U	0.056	0.40
methyl isobutyl ketone	0.35	J Ø	0.054	1.0
Toluene	3.8	Ø	0.034	0.40
trans-1,3-Dichloropropene	0.16	U	0.044	0.40
1,1,2-Trichloroethane	0.060	U	0.034	0.40
Tetrachloroethene	1.2	Ø	0.032	0.40

cvt 9/14/14

Client: FPM Remediations Inc

Job Number: 280-58004-1

Client Sample ID: 786VMP0102LA

Lab Sample ID: 280-58004-3
Client Matrix: Air

Date Sampled: 07/18/2014 1500
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds In Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75709	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8889_006.d
Dilution:	2.0			Initial Weight/Volume:	100 mL
Analysis Date:	08/06/2014 1610			Final Weight/Volume:	200 mL
Prep Date:	08/06/2014 1610			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Methyl Butyl Ketone (2-Hexanone)	0.40	U	0.40	1.0
Dibromochloromethane	0.060	U	0.040	0.40
1,2-Dibromoethane	0.16	U	0.040	0.40
Chlorobenzene	0.20	J Ø	0.016	0.40
Ethylbenzene	1.1	Ø	0.026	0.40
m,p-Xylene	3.1	Ø	0.046	1.0
Xylene, o-	0.99	Ø	0.032	0.40
Xylene (total)	4.1		0.068	0.40
Styrene	0.59	Ø	0.036	0.40
Bromoform	0.060	U	0.020	0.40
Cumene	0.14	J Ø	0.032	0.40
1,1,2,2-Tetrachloroethane	0.060	U	0.032	0.40
n-Propylbenzene	0.21	J Ø	0.16	0.40
4-Ethyltoluene	0.28	J Ø	0.036	0.40
1,3,5-Trimethylbenzene	0.26	J Ø	0.024	0.40
2-Chlorotoluene	0.058	J Ø	0.026	0.40
tert-Butylbenzene	0.060	U	0.034	0.40
1,2,4-Trimethylbenzene	0.86	Ø	0.028	0.40
sec-Butylbenzene	0.16	U	0.16	0.40
4-Isopropyltoluene	0.16	U	0.16	0.40
1,3-Dichlorobenzene	2.7	Ø	0.028	0.40
1,4-Dichlorobenzene	0.060	U	0.028	0.40
Benzyl chloride	0.16	U	0.16	0.40
n-Butylbenzene	0.16	U	0.16	0.40
1,2-Dichlorobenzene	0.060	U	0.028	0.40
1,2,4-Trichlorobenzene	0.079	J Ø	0.054	1.0
Hexachlorobutadiene	0.16	U	0.044	0.40
Naphthalene	0.40	U	0.40	1.0

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
Dichlorodifluoromethane	2.9	J Ø	0.30	4.9
Freon 22	0.92	J Ø	0.34	3.5
1,2-Dichlorotetrafluoroethane	1.1	U	0.49	2.8
Chloromethane	2.1	U	0.56	2.1
n-Butane	2.9	Ø	1.3	2.4
Vinyl chloride	0.41	U	0.19	1.0
1,3-Butadiene	0.35	U	0.19	0.88
Bromomethane	0.62	U	0.22	1.6
Chloroethane	0.42	U	0.16	2.6
Bromoethene(Vinyl Bromide)	0.70	U	0.26	1.7
Trichlorofluoromethane	1.6	J Ø	0.34	2.2
Freon TF	0.84	J Ø	0.28	3.1
1,1-Dichloroethene	0.63	U	0.19	1.6
Acetone	26	Ø	5.9	24
Isopropyl alcohol	68	Ø	1.1	25
Carbon disulfide	8.2	Ø	0.41	3.1

ecd 9/14/14

Client: FPM Remediations Inc

Job Number: 280-58004-1

Client Sample ID: **786VMP0102LA**

Lab Sample ID: 280-58004-3
Client Matrix: Air

Date Sampled: 07/18/2014 1500
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75709	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8889_006.d
Dilution:	2.0			Initial Weight/Volume:	100 mL
Analysis Date:	08/06/2014 1610			Final Weight/Volume:	200 mL
Prep Date:	08/06/2014 1610			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
3-Chloropropene	0.50	U	0.21	3.1
Methylene Chloride	1.4	U	0.87	3.5
tert-Butyl alcohol	16	J D	2.0	30
Methyl tert-butyl ether	1.3	J D	0.16	1.4
trans-1,2-Dichloroethene	0.63	U	0.23	1.6
n-Hexane	1.5	D	0.24	1.4
1,1-Dichloroethane	0.65	U	0.31	1.6
Methyl Ethyl Ketone	11	D	1.4	2.9
cis-1,2-Dichloroethene	0.63	U	0.30	1.6
1,2-Dichloroethene, Total	0.63	U	0.51	1.6
Chloroform	2.6	D	0.24	2.0
Tetrahydrofuran	7.5	J D	0.27	29
1,1,1-Trichloroethane	0.87	U	0.23	2.2
Cyclohexane	2.7	D M	0.17	1.4
Carbon tetrachloride	0.53	J D	0.26	2.5
2,2,4-Trimethylpentane	1.2	J D	0.25	1.9
Benzene	1.4	D	0.12	1.3
1,2-Dichloroethane	0.24	U	0.14	1.6
n-Heptane	1.0	J D	0.38	1.6
Trichloroethene	270	D	0.26	2.1
Methyl methacrylate	2.8	J D	0.25	4.1
1,2-Dichloropropane	0.74	U	0.30	1.8
1,4-Dioxane	1.4	U	1.4	36
Bromodichloromethane	0.40	U	0.23	2.7
cis-1,3-Dichloropropene	0.73	U	0.25	1.8
methyl isobutyl ketone	1.4	J D	0.22	4.1
Toluene	14	D	0.13	1.5
trans-1,3-Dichloropropene	0.73	U	0.20	1.8
1,1,2-Trichloroethane	0.33	U	0.19	2.2
Tetrachloroethene	8.3	D	0.22	2.7
Methyl Butyl Ketone (2-Hexanone)	1.6	U	1.6	4.1
Dibromochloromethane	0.51	U	0.34	3.4
1,2-Dibromoethane	1.2	U	0.31	3.1
Chlorobenzene	0.90	J D	0.075	1.8
Ethylbenzene	4.6	D	0.11	1.7
m,p-Xylene	13	D	0.20	4.3
Xylene, o-	4.3	D	0.14	1.7
Xylene (total)	18		0.30	1.7
Styrene	2.5	D	0.15	1.7
Bromoform	0.62	U	0.21	4.1
Cumene	0.67	J D	0.16	2.0
1,1,2,2-Tetrachloroethane	0.41	U	0.22	2.7
n-Propylbenzene	1.0	J D	0.79	2.0
4-Ethyltoluene	1.4	J D	0.18	2.0
1,3,5-Trimethylbenzene	1.3	J D	0.12	2.0
2-Chlorotoluene	0.30	J D	0.13	2.1

CLD 9/14/14

Client: FPM Remediations Inc

Job Number: 280-58004-1

Client Sample ID: **786VMP0102LA**

Lab Sample ID: 280-58004-3
Client Matrix: Air

Date Sampled: 07/18/2014 1500
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75709	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8889_006.d
Dilution:	2.0			Initial Weight/Volume:	100 mL
Analysis Date:	08/06/2014 1610			Final Weight/Volume:	200 mL
Prep Date:	08/06/2014 1610			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
tert-Butylbenzene	0.33	U	0.19	2.2
1,2,4-Trimethylbenzene	4.2	D	0.14	2.0
sec-Butylbenzene	0.88	U	0.88	2.2
4-Isopropyltoluene	0.88	U	0.88	2.2
1,3-Dichlorobenzene	16	D	0.17	2.4
1,4-Dichlorobenzene	0.36	U	0.17	2.4
Benzyl chloride	0.83	U	0.83	2.1
n-Butylbenzene	0.88	U	0.88	2.2
1,2-Dichlorobenzene	0.36	U	0.17	2.4
1,2,4-Trichlorobenzene	0.59	J D	0.40	7.4
Hexachlorobutadiene	1.7	U	0.47	4.3
Naphthalene	2.1	U	2.1	5.2

CWS 9/14/14

Client: FPM Remediations Inc

Job Number: 280-58004-1

Client Sample ID: **785IA13**

Lab Sample ID: 280-58004-4
Client Matrix: Air

Date Sampled: 07/17/2014 1020
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75167	Instrument ID:	CHG.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8660_024.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	07/23/2014 0531			Final Weight/Volume:	200 mL
Prep Date:	07/23/2014 0531			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	0.52		0.030	0.50
Freon 22	0.31	J	0.048	0.50
1,2-Dichlorotetrafluoroethane	0.080	U	0.035	0.20
Chloromethane	0.75		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	0.26		0.030	0.20
Freon TF	0.090	J	0.018	0.20
1,1-Dichloroethene	0.080	U	0.024	0.20
Acetone	7.8		1.3	5.0
Isopropyl alcohol	0.85	J	0.22	5.0
Carbon disulfide	2.2		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	0.081	J	0.034	0.20
1,1-Dichloroethane	0.080	U	0.038	0.20
Methyl Ethyl Ketone	1.3		0.24	0.50
cis-1,2-Dichloroethene	0.21		0.038	0.20
1,2-Dichloroethene, Total	0.21		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	0.081	J	0.021	0.20
2,2,4-Trimethylpentane	0.080	U	0.027	0.20
Benzene	0.095	J	0.019	0.20
1,2-Dichloroethane	0.030	U	0.017	0.20
n-Heptane	0.080	U	0.046	0.20
Trichloroethene	0.16	J	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	3.1	J	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	0.091	J	0.027	0.50
Toluene	0.35		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

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9/14/14

Client: FPM Remediations Inc

Job Number: 280-58004-1

Client Sample ID: 785IA13

Lab Sample ID: 280-58004-4
Client Matrix: Air

Date Sampled: 07/17/2014 1020
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75167	Instrument ID:	CHG.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8660_024.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	07/23/2014 0531			Final Weight/Volume:	200 mL
Prep Date:	07/23/2014 0531			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	0.16	J	0.013	0.20
m,p-Xylene	0.48	J	0.023	0.50
Xylene, o-	0.093	J	0.016	0.20
Xylene (total)	0.57		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	0.023	J	0.018	0.20
1,3,5-Trimethylbenzene	0.030	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	0.085	J	0.014	0.20
sec-Butylbenzene	0.080	U	0.080	0.20
4-Isopropyltoluene	0.10	J	0.080	0.20
1,3-Dichlorobenzene	0.030	U	0.014	0.20
1,4-Dichlorobenzene	0.019	J	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	2.6		0.15	2.5
Freon 22	1.1	J	0.17	1.8
1,2-Dichlorotetrafluoroethane	0.56	U	0.24	1.4
Chloromethane	1.5		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	1.5		0.17	1.1
Freon TF	0.69	J	0.14	1.5
1,1-Dichloroethene	0.32	U	0.095	0.79
Acetone	19		3.0	12
Isopropyl alcohol	2.1	J	0.53	12
Carbon disulfide	6.8		0.21	1.6

CWA 9/14/14

Client: FPM Remediations Inc

Job Number: 280-58004-1

Client Sample ID: 785IA13

Lab Sample ID: 280-58004-4
Client Matrix: Air

Date Sampled: 07/17/2014 1020
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75167	Instrument ID:	CHG.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8660_024.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	07/23/2014 0531			Final Weight/Volume:	200 mL
Prep Date:	07/23/2014 0531			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	0.29	J	0.12	0.70
1,1-Dichloroethane	0.32	U	0.15	0.81
Methyl Ethyl Ketone	3.9		0.71	1.5
cis-1,2-Dichloroethene	0.84		0.15	0.79
1,2-Dichloroethene, Total	0.83		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	0.51	J	0.13	1.3
2,2,4-Trimethylpentane	0.37	U	0.13	0.93
Benzene	0.30	J	0.061	0.64
1,2-Dichloroethane	0.12	U	0.069	0.81
n-Heptane	0.33	U	0.19	0.82
Trichloroethene	0.88	J	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	11	J	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	0.37	J	0.11	2.0
Toluene	1.3		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	0.69	J	0.056	0.87
m,p-Xylene	2.1	J	0.10	2.2
Xylene, o-	0.40	J	0.069	0.87
Xylene (total)	2.5		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	0.12	J	0.088	0.98
1,3,5-Trimethylbenzene	0.15	J	0.059	0.98
2-Chlorotoluene	0.16	U	0.067	1.0

Client: FPM Remediations Inc

Job Number: 280-58004-1

Client Sample ID: **785IA13**

Lab Sample ID: 280-58004-4
Client Matrix: Air

Date Sampled: 07/17/2014 1020
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75167	Instrument ID:	CHG.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8660_024.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	07/23/2014 0531			Final Weight/Volume:	200 mL
Prep Date:	07/23/2014 0531			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
tert-Butylbenzene	0.16	U	0.093	1.1
1,2,4-Trimethylbenzene	0.42	J	0.069	0.98
sec-Butylbenzene	0.44	U	0.44	1.1
4-Isopropyltoluene	0.56	J	0.44	1.1
1,3-Dichlorobenzene	0.18	U	0.084	1.2
1,4-Dichlorobenzene	0.11	J	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

Client: FPM Remediations Inc

Job Number: 280-58004-1

Client Sample ID: 786IA12

Lab Sample ID: 280-58004-5
Client Matrix: Air

Date Sampled: 07/17/2014 1030
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75167	Instrument ID:	CHG.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8660_027.D
Dilution:	1.0			Initial Weight/Volume:	394 mL
Analysis Date:	07/23/2014 0838			Final Weight/Volume:	200 mL
Prep Date:	07/23/2014 0838			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	0.50		0.030	0.50
Freon 22	0.32	J	0.048	0.50
1,2-Dichlorotetrafluoroethane	0.080	U	0.035	0.20
Chloromethane	0.57		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	0.031	J	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		0.030	0.20
Freon TF	0.077	J	0.018	0.20
1,1-Dichloroethene	0.080	U	0.024	0.20
Acetone	3.9	J	1.3	5.0
Isopropyl alcohol	0.73	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	0.052	J	0.034	0.20
1,1-Dichloroethane	0.080	U	0.038	0.20
Methyl Ethyl Ketone	0.40	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	0.071	J	0.021	0.20
2,2,4-Trimethylpentane	0.080	U	0.027	0.20
Benzene	0.068	J	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	0.14	J	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	0.18	J	0.016	0.20

Client: FPM Remediations Inc

Job Number: 280-58004-1

Client Sample ID: **786IA12**

Lab Sample ID: 280-58004-5
Client Matrix: Air

Date Sampled: 07/17/2014 1030
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75167	Instrument ID:	CHG.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8660_027.D
Dilution:	1.0			Initial Weight/Volume:	394 mL
Analysis Date:	07/23/2014 0838			Final Weight/Volume:	200 mL
Prep Date:	07/23/2014 0838			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	0.025	J	0.013	0.20
m,p-Xylene	0.069	J	0.023	0.50
Xylene, o-	0.025	J	0.016	0.20
Xylene (total)	0.094	J	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	0.031	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

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Analyte	Result (ug/m3)	Qualifier	DL	LOQ
Dichlorodifluoromethane	2.5		0.15	2.5
Freon 22	1.1	J	0.17	1.8
1,2-Dichlorotetrafluoroethane	0.56	U	0.24	1.4
Chloromethane	1.2		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	0.12	J	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		0.17	1.1
Freon TF	0.59	J	0.14	1.5
1,1-Dichloroethene	0.32	U	0.095	0.79
Acetone	9.2	J	3.0	12
Isopropyl alcohol	1.8	J	0.53	12
Carbon disulfide	0.62	U	0.21	1.6

Client: FPM Remediations Inc

Job Number: 280-58004-1

Client Sample ID: **786IA12**

Lab Sample ID: 280-58004-5
Client Matrix: Air

Date Sampled: 07/17/2014 1030
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75167	Instrument ID:	CHG.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8660_027.D
Dilution:	1.0			Initial Weight/Volume:	394 mL
Analysis Date:	07/23/2014 0838			Final Weight/Volume:	200 mL
Prep Date:	07/23/2014 0838			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	0.18	J	0.12	0.70
1,1-Dichloroethane	0.32	U	0.15	0.81
Methyl Ethyl Ketone	1.2	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	0.45	J	0.13	1.3
2,2,4-Trimethylpentane	0.37	U	0.13	0.93
Benzene	0.22	J	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	0.52	J	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	1.2	J	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	0.11	J	0.056	0.87
m,p-Xylene	0.30	J M	0.10	2.2
Xylene, o-	0.11	J M	0.069	0.87
Xylene (total)	0.41	J	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

CMS 9/14/14

Client: FPM Remediations Inc

Job Number: 280-58004-1

Client Sample ID: **786IA12**

Lab Sample ID: 280-58004-5
Client Matrix: Air

Date Sampled: 07/17/2014 1030
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75167	Instrument ID:	CHG.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8660_027.D
Dilution:	1.0			Initial Weight/Volume:	394 mL
Analysis Date:	07/23/2014 0838			Final Weight/Volume:	200 mL
Prep Date:	07/23/2014 0838			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	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

Client: FPM Remediations Inc

Job Number: 280-58004-1

Client Sample ID: 785786OA09

Lab Sample ID: 280-58004-6
Client Matrix: Air

Date Sampled: 07/17/2014 1040
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75211	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8677_024.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	07/24/2014 0320			Final Weight/Volume:	200 mL
Prep Date:	07/24/2014 0320			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	0.51		0.030	0.50
Freon 22	0.24	J	0.048	0.50
1,2-Dichlorotetrafluoroethane	0.080	U	0.035	0.20
Chloromethane	0.57		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	0.22		0.030	0.20
Freon TF	0.071	J	0.018	0.20
1,1-Dichloroethene	0.080	U	0.024	0.20
Acetone	2.6	J	1.3	5.0
Isopropyl alcohol	0.44	J	0.22	5.0
Carbon disulfide	0.19	J	0.066	0.50
3-Chloropropene	0.080	U	0.034	0.50
Methylene Chloride	0.20	J	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	0.44	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	0.047	J	0.021	0.20
2,2,4-Trimethylpentane	0.080	U	0.027	0.20
Benzene	0.044	J	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	0.15	J	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

Client: FPM Remediations Inc

Job Number: 280-58004-1

Client Sample ID: 785786OA09

Lab Sample ID: 280-58004-6

Client Matrix: Air

Date Sampled: 07/17/2014 1040

Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75211	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8677_024.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	07/24/2014 0320			Final Weight/Volume:	200 mL
Prep Date:	07/24/2014 0320			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	0.033	J	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	0.015	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	2.5		0.15	2.5
Freon 22	0.84	J	0.17	1.8
1,2-Dichlorotetrafluoroethane	0.56	U	0.24	1.4
Chloromethane	1.2		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	1.2		0.17	1.1
Freon TF	0.54	J	0.14	1.5
1,1-Dichloroethene	0.32	U	0.095	0.79
Acetone	6.2	J	3.0	12
Isopropyl alcohol	1.1	J	0.53	12
Carbon disulfide	0.59	J	0.21	1.6

Client: FPM Remediations Inc

Job Number: 280-58004-1

Client Sample ID: **785786OA09**

Lab Sample ID: 280-58004-6
Client Matrix: Air

Date Sampled: 07/17/2014 1040
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75211	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8677_024.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	07/24/2014 0320			Final Weight/Volume:	200 mL
Prep Date:	07/24/2014 0320			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
3-Chloropropene	0.25	U	0.11	1.6
Methylene Chloride	0.68	J	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	1.3	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	0.30	J	0.13	1.3
2,2,4-Trimethylpentane	0.37	U	0.13	0.93
Benzene	0.14	J	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	0.58	J	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	0.14	J	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

Client: FPM Remediations Inc

Job Number: 280-58004-1

Client Sample ID: 785786OA09

Lab Sample ID: 280-58004-6
Client Matrix: Air

Date Sampled: 07/17/2014 1040
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75211	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8677_024.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	07/24/2014 0320			Final Weight/Volume:	200 mL
Prep Date:	07/24/2014 0320			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
tert-Butylbenzene	0.16	U	0.093	1.1
1,2,4-Trimethylbenzene	0.073	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

Client: FPM Remediations Inc

Job Number: 280-58004-1

Client Sample ID: **785VMP0202MA**

Lab Sample ID: 280-58004-7
Client Matrix: Air

Date Sampled: 07/18/2014 1340
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75709	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8889_007.d
Dilution:	2.0			Initial Weight/Volume:	100 mL
Analysis Date:	08/06/2014 1659			Final Weight/Volume:	200 mL
Prep Date:	08/06/2014 1659			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	0.93	J Ø	0.060	1.0
Freon 22	0.56	J Ø	0.096	1.0
1,2-Dichlorotetrafluoroethane	0.16	U	0.070	0.40
Chloromethane	6.0	Ø J	0.27	1.0
n-Butane	1.2	Ø	0.56	1.0
Vinyl chloride	0.16	U	0.076	0.40
1,3-Butadiene	0.16	U	0.084	0.40
Bromomethane	0.16	U	0.056	0.40
Chloroethane	0.16	U	0.060	1.0
Bromoethene(Vinyl Bromide)	0.16	U	0.060	0.40
Trichlorofluoromethane	0.49	Ø	0.060	0.40
Freon TF	0.34	J Ø	0.036	0.40
1,1-Dichloroethene	0.16	U	0.048	0.40
Acetone	12	Ø	2.5	10
Isopropyl alcohol	12	Ø	0.43	10
Carbon disulfide	1.5	Ø	0.13	1.0
3-Chloropropene	0.16	U	0.068	1.0
Methylene Chloride	0.40	U	0.25	1.0
tert-Butyl alcohol	2.9	J Ø	0.66	10
Methyl tert-butyl ether	0.11	J Ø	0.044	0.40
trans-1,2-Dichloroethene	0.16	U	0.058	0.40
n-Hexane	2.1	Ø	0.068	0.40
1,1-Dichloroethane	0.16	U	0.076	0.40
Methyl Ethyl Ketone	3.4	Ø	0.48	1.0
cis-1,2-Dichloroethene	0.51	Ø	0.076	0.40
1,2-Dichloroethene, Total	0.51		0.13	0.40
Chloroform	5.3	Ø J	0.050	0.40
Tetrahydrofuran	32	Ø J	0.092	10
1,1,1-Trichloroethane	0.16	U	0.042	0.40
Cyclohexane	0.16	U	0.050	0.40
Carbon tetrachloride	0.14	J Ø	0.042	0.40
2,2,4-Trimethylpentane	0.16	U	0.054	0.40
Benzene	0.21	J Ø	0.038	0.40
1,2-Dichloroethane	0.060	U	0.034	0.40
n-Heptane	0.16	U	0.092	0.40
Trichloroethene	74	Ø J	0.048	0.40
Methyl methacrylate	0.16	U	0.060	1.0
1,2-Dichloropropane	0.16	U	0.064	0.40
1,4-Dioxane	0.40	U	0.40	10
Bromodichloromethane	0.060	U	0.034	0.40
cis-1,3-Dichloropropene	0.16	U	0.056	0.40
methyl isobutyl ketone	0.30	J Ø	0.054	1.0
Toluene	0.50	Ø	0.034	0.40
trans-1,3-Dichloropropene	0.16	U	0.044	0.40
1,1,2-Trichloroethane	0.060	U	0.034	0.40
Tetrachloroethene	0.060	U	0.032	0.40

CLH 9/14/14

Client: FPM Remediations Inc

Job Number: 280-58004-1

Client Sample ID: **785VMP0202MA**

Lab Sample ID: 280-58004-7
Client Matrix: Air

Date Sampled: 07/18/2014 1340
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75709	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8889_007.d
Dilution:	2.0			Initial Weight/Volume:	100 mL
Analysis Date:	08/06/2014 1659			Final Weight/Volume:	200 mL
Prep Date:	08/06/2014 1659			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Methyl Butyl Ketone (2-Hexanone)	0.40	U	0.40	1.0
Dibromochloromethane	0.060	U	0.040	0.40
1,2-Dibromoethane	0.16	U	0.040	0.40
Chlorobenzene	0.060	U	0.016	0.40
Ethylbenzene	0.17	J Ø	0.026	0.40
m,p-Xylene	0.37	J Ø	0.046	1.0
Xylene, o-	0.16	J Ø	0.032	0.40
Xylene (total)	0.53		0.068	0.40
Styrene	0.067	J Ø	0.036	0.40
Bromoform	0.060	U	0.020	0.40
Cumene	0.039	J Ø	0.032	0.40
1,1,2,2-Tetrachloroethane	0.060	U	0.032	0.40
n-Propylbenzene	0.16	U	0.16	0.40
4-Ethyltoluene	0.061	J Ø	0.036	0.40
1,3,5-Trimethylbenzene	0.078	J Ø	0.024	0.40
2-Chlorotoluene	0.060	U	0.026	0.40
tert-Butylbenzene	0.060	U	0.034	0.40
1,2,4-Trimethylbenzene	0.29	J Ø	0.028	0.40
sec-Butylbenzene	0.16	U	0.16	0.40
4-Isopropyltoluene	0.16	U	0.16	0.40
1,3-Dichlorobenzene	0.51	Ø	0.028	0.40
1,4-Dichlorobenzene	0.060	U	0.028	0.40
Benzyl chloride	0.16	U	0.16	0.40
n-Butylbenzene	0.16	U	0.16	0.40
1,2-Dichlorobenzene	0.060	U	0.028	0.40
1,2,4-Trichlorobenzene	0.16	U	0.054	1.0
Hexachlorobutadiene	0.16	U	0.044	0.40
Naphthalene	0.40	U	0.40	1.0

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
Dichlorodifluoromethane	4.6	J Ø	0.30	4.9
Freon 22	2.0	J Ø	0.34	3.5
1,2-Dichlorotetrafluoroethane	1.1	U	0.49	2.8
Chloromethane	12	Ø J	0.56	2.1
n-Butane	2.9	Ø	1.3	2.4
Vinyl chloride	0.41	U	0.19	1.0
1,3-Butadiene	0.35	U	0.19	0.88
Bromomethane	0.62	U	0.22	1.6
Chloroethane	0.42	U	0.16	2.6
Bromoethene(Vinyl Bromide)	0.70	U	0.26	1.7
Trichlorofluoromethane	2.7	Ø	0.34	2.2
Freon TF	2.6	J Ø	0.28	3.1
1,1-Dichloroethene	0.63	U	0.19	1.6
Acetone	28	Ø	5.9	24
Isopropyl alcohol	29	Ø	1.1	25
Carbon disulfide	4.7	Ø	0.41	3.1

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Client: FPM Remediations Inc

Job Number: 280-58004-1

Client Sample ID: **785VMP0202MA**

Lab Sample ID: 280-58004-7
Client Matrix: Air

Date Sampled: 07/18/2014 1340
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75709	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8889_007.d
Dilution:	2.0			Initial Weight/Volume:	100 mL
Analysis Date:	08/06/2014 1659			Final Weight/Volume:	200 mL
Prep Date:	08/06/2014 1659			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
3-Chloropropene	0.50	U	0.21	3.1
Methylene Chloride	1.4	U	0.87	3.5
tert-Butyl alcohol	8.9	J	2.0	30
Methyl tert-butyl ether	0.38	J	0.16	1.4
trans-1,2-Dichloroethene	0.63	U	0.23	1.6
n-Hexane	7.5		0.24	1.4
1,1-Dichloroethane	0.65	U	0.31	1.6
Methyl Ethyl Ketone	10		1.4	2.9
cis-1,2-Dichloroethene	2.0		0.30	1.6
1,2-Dichloroethene, Total	2.0		0.51	1.6
Chloroform	26	J	0.24	2.0
Tetrahydrofuran	95	J	0.27	29
1,1,1-Trichloroethane	0.87	U	0.23	2.2
Cyclohexane	0.55	U	0.17	1.4
Carbon tetrachloride	0.86	J	0.26	2.5
2,2,4-Trimethylpentane	0.75	U	0.25	1.9
Benzene	0.68	J	0.12	1.3
1,2-Dichloroethane	0.24	U	0.14	1.6
n-Heptane	0.66	U	0.38	1.6
Trichloroethene	400	J	0.26	2.1
Methyl methacrylate	0.66	U	0.25	4.1
1,2-Dichloropropane	0.74	U	0.30	1.8
1,4-Dioxane	1.4	U	1.4	36
Bromodichloromethane	0.40	U	0.23	2.7
cis-1,3-Dichloropropene	0.73	U	0.25	1.8
methyl isobutyl ketone	1.2	J	0.22	4.1
Toluene	1.9		0.13	1.5
trans-1,3-Dichloropropene	0.73	U	0.20	1.8
1,1,2-Trichloroethane	0.33	U	0.19	2.2
Tetrachloroethene	0.41	U	0.22	2.7
Methyl Butyl Ketone (2-Hexanone)	1.6	U	1.6	4.1
Dibromochloromethane	0.51	U	0.34	3.4
1,2-Dibromoethane	1.2	U	0.31	3.1
Chlorobenzene	0.28	U	0.075	1.8
Ethylbenzene	0.76	J	0.11	1.7
m,p-Xylene	1.6	J	0.20	4.3
Xylene, o-	0.68	J	0.14	1.7
Xylene (total)	2.3		0.30	1.7
Styrene	0.29	J	0.15	1.7
Bromoform	0.62	U	0.21	4.1
Cumene	0.19	J	0.16	2.0
1,1,2,2-Tetrachloroethane	0.41	U	0.22	2.7
n-Propylbenzene	0.79	U	0.79	2.0
4-Ethyltoluene	0.30	J	0.18	2.0
1,3,5-Trimethylbenzene	0.38	J	0.12	2.0
2-Chlorotoluene	0.31	U	0.13	2.1

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Client: FPM Remediations Inc

Job Number: 280-58004-1

Client Sample ID: **785VMP0202MA**

Lab Sample ID: 280-58004-7
Client Matrix: Air

Date Sampled: 07/18/2014 1340
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds In Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75709	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8889_007.d
Dilution:	2.0			Initial Weight/Volume:	100 mL
Analysis Date:	08/06/2014 1659			Final Weight/Volume:	200 mL
Prep Date:	08/06/2014 1659			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
tert-Butylbenzene	0.33	U	0.19	2.2
1,2,4-Trimethylbenzene	1.4	J	0.14	2.0
sec-Butylbenzene	0.88	U	0.88	2.2
4-Isopropyltoluene	0.88	U	0.88	2.2
1,3-Dichlorobenzene	3.1		0.17	2.4
1,4-Dichlorobenzene	0.36	U	0.17	2.4
Benzyl chloride	0.83	U	0.83	2.1
n-Butylbenzene	0.88	U	0.88	2.2
1,2-Dichlorobenzene	0.36	U	0.17	2.4
1,2,4-Trichlorobenzene	1.2	U	0.40	7.4
Hexachlorobutadiene	1.7	U	0.47	4.3
Naphthalene	2.1	U	2.1	5.2

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Client: FPM Remediations Inc

Job Number: 280-58004-1

Client Sample ID: **785VMP0501JA**

Lab Sample ID: 280-58004-8
Client Matrix: Air

Date Sampled: 07/18/2014 1350
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75709	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8889_026.d
Dilution:	104			Initial Weight/Volume:	100 mL
Analysis Date:	08/07/2014 0839			Final Weight/Volume:	200 mL
Prep Date:	08/07/2014 0839			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	8.3	U	3.1	52
Freon 22	8.3	U	5.0	52
1,2-Dichlorotetrafluoroethane	8.3	U	3.6	21
Chloromethane	52	U	14	52
n-Butane	52	U	29	52
Vinyl chloride	8.3	U	4.0	21
1,3-Butadiene	8.3	U	4.4	21
Bromomethane	8.3	U	2.9	21
Chloroethane	8.3	U	3.1	52
Bromoethene(Vinyl Bromide)	8.3	U	3.1	21
Trichlorofluoromethane	8.3	U	3.1	21
Freon TF	3.1	U	1.9	21
1,1-Dichloroethene	8.3	U	2.5	21
Acetone	1100	D	130	520
Isopropyl alcohol	52	U	22	520
Carbon disulfide	21	U	6.9	52
3-Chloropropene	8.3	U	3.5	52
Methylene Chloride	21	U	13	52
tert-Butyl alcohol	52	U	34	520
Methyl tert-butyl ether	8.3	U	2.3	21
trans-1,2-Dichloroethene	8.3	U	3.0	21
n-Hexane	8.3	U	3.5	21
1,1-Dichloroethane	8.3	U	4.0	21
Methyl Ethyl Ketone	400	D	25	52
cis-1,2-Dichloroethene	8.3	U	4.0	21
1,2-Dichloroethene, Total	8.3	U	6.7	21
Chloroform	9.4	J D M	2.6	21
Tetrahydrofuran	2300	D	4.8	520
1,1,1-Trichloroethane	8.3	U	2.2	21
Cyclohexane	8.3	U	2.6	21
Carbon tetrachloride	8.3	U	2.2	21
2,2,4-Trimethylpentane	8.3	U	2.8	21
Benzene	3.1	U	2.0	21
1,2-Dichloroethane	3.1	U	1.8	21
n-Heptane	8.3	U	4.8	21
Trichloroethene	94	D	2.5	21
Methyl methacrylate	8.3	U	3.1	52
1,2-Dichloropropane	8.3	U	3.3	21
1,4-Dioxane	21	U	21	520
Bromodichloromethane	3.1	U	1.8	21
cis-1,3-Dichloropropene	8.3	U	2.9	21
methyl isobutyl ketone	8.3	U	2.8	52
Toluene	3.1	U	1.8	21
trans-1,3-Dichloropropene	8.3	U	2.3	21
1,1,2-Trichloroethane	3.1	U	1.8	21
Tetrachloroethene	3.1	U	1.7	21

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Client: FPM Remediations Inc

Job Number: 280-58004-1

Client Sample ID: **785VMP0501JA**

Lab Sample ID: 280-58004-8
Client Matrix: Air

Date Sampled: 07/18/2014 1350
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds In Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75709	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8889_026.d
Dilution:	104			Initial Weight/Volume:	100 mL
Analysis Date:	08/07/2014 0839			Final Weight/Volume:	200 mL
Prep Date:	08/07/2014 0839			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Methyl Butyl Ketone (2-Hexanone)	21	U	21	52
Dibromochloromethane	3.1	U	2.1	21
1,2-Dibromoethane	8.3	U	2.1	21
Chlorobenzene	3.1	U	0.84	21
Ethylbenzene	3.1	U	1.4	21
m,p-Xylene	8.3	U	2.4	52
Xylene, o-	3.1	U	1.7	21
Xylene (total)	8.3	U	3.5	21
Styrene	3.1	U	1.9	21
Bromoform	3.1	U	1.0	21
Cumene	3.1	U	1.7	21
1,1,2,2-Tetrachloroethane	3.1	U	1.7	21
n-Propylbenzene	8.3	U	8.3	21
4-Ethyltoluene	3.1	U	1.9	21
1,3,5-Trimethylbenzene	3.1	U	1.2	21
2-Chlorotoluene	3.1	U	1.4	21
tert-Butylbenzene	3.1	U	1.8	21
1,2,4-Trimethylbenzene	3.1	U	1.5	21
sec-Butylbenzene	8.3	U	8.3	21
4-Isopropyltoluene	8.3	U	8.3	21
1,3-Dichlorobenzene	3.1	U	1.5	21
1,4-Dichlorobenzene	3.1	U	1.5	21
Benzyl chloride	8.3	U	8.3	21
n-Butylbenzene	8.3	U	8.3	21
1,2-Dichlorobenzene	3.1	U	1.5	21
1,2,4-Trichlorobenzene	8.3	U	2.8	52
Hexachlorobutadiene	8.3	U	2.3	21
Naphthalene	21	U	21	52

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
Dichlorodifluoromethane	41	U	15	260
Freon 22	29	U	18	180
1,2-Dichlorotetrafluoroethane	58	U	25	150
Chloromethane	110	U	29	110
n-Butane	120	U	70	120
Vinyl chloride	21	U	10	53
1,3-Butadiene	18	U	9.7	46
Bromomethane	32	U	11	81
Chloroethane	22	U	8.2	140
Bromoethene(Vinyl Bromide)	36	U	14	91
Trichlorofluoromethane	47	U	18	120
Freon TF	24	U	14	160
1,1-Dichloroethene	33	U	9.9	82
Acetone	2600		310	1200
Isopropyl alcohol	130	U	55	1300
Carbon disulfide	65	U	21	160

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Client: FPM Remediations Inc

Job Number: 280-58004-1

Client Sample ID: **785VMP0501JA**

Lab Sample ID: 280-58004-8
Client Matrix: Air

Date Sampled: 07/18/2014 1350
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds In Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75709	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8889_026.d
Dilution:	104			Initial Weight/Volume:	100 mL
Analysis Date:	08/07/2014 0839			Final Weight/Volume:	200 mL
Prep Date:	08/07/2014 0839			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
3-Chloropropene	26	U	11	160
Methylene Chloride	72	U	45	180
tert-Butyl alcohol	160	U	100	1600
Methyl tert-butyl ether	30	U	8.2	75
trans-1,2-Dichloroethene	33	U	12	82
n-Hexane	29	U	12	73
1,1-Dichloroethane	34	U	16	84
Methyl Ethyl Ketone	1200	~~D~~	74	150
cis-1,2-Dichloroethene	33	U	16	82
1,2-Dichloroethene, Total	33	U	26	82
Chloroform	46	J ~~D M~~	13	100
Tetrahydrofuran	6900	~~D~~	14	1500
1,1,1-Trichloroethane	45	U	12	110
Cyclohexane	29	U	8.9	72
Carbon tetrachloride	52	U	14	130
2,2,4-Trimethylpentane	39	U	13	97
Benzene	10	U	6.3	66
1,2-Dichloroethane	13	U	7.2	84
n-Heptane	34	U	20	85
Trichloroethene	510	~~D~~	13	110
Methyl methacrylate	34	U	13	210
1,2-Dichloropropane	38	U	15	96
1,4-Dioxane	75	U	75	1900
Bromodichloromethane	21	U	12	140
cis-1,3-Dichloropropene	38	U	13	94
methyl isobutyl ketone	34	U	12	210
Toluene	12	U	6.7	78
trans-1,3-Dichloropropene	38	U	10	94
1,1,2-Trichloroethane	17	U	9.6	110
Tetrachloroethene	21	U	11	140
Methyl Butyl Ketone (2-Hexanone)	85	U	85	210
Dibromochloromethane	27	U	18	180
1,2-Dibromoethane	64	U	16	160
Chlorobenzene	14	U	3.9	96
Ethylbenzene	14	U	5.9	90
m,p-Xylene	36	U	10	230
Xylene, o-	14	U	7.2	90
Xylene (total)	36	U	15	90
Styrene	13	U	8.0	89
Bromoform	32	U	11	220
Cumene	15	U	8.2	100
1,1,2,2-Tetrachloroethane	21	U	11	140
n-Propylbenzene	41	U	41	100
4-Ethyltoluene	15	U	9.2	100
1,3,5-Trimethylbenzene	15	U	6.1	100
2-Chlorotoluene	16	U	7.0	110

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Client: FPM Remediations Inc

Job Number: 280-58004-1

Client Sample ID: **785VMP0501JA**

Lab Sample ID: 280-58004-8
Client Matrix: Air

Date Sampled: 07/18/2014 1350
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75709	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8889_026.d
Dilution:	104			Initial Weight/Volume:	100 mL
Analysis Date:	08/07/2014 0839			Final Weight/Volume:	200 mL
Prep Date:	08/07/2014 0839			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
tert-Butylbenzene	17	U	9.7	110
1,2,4-Trimethylbenzene	15	U	7.2	100
sec-Butylbenzene	46	U	46	110
4-Isopropyltoluene	46	U	46	110
1,3-Dichlorobenzene	19	U	8.8	130
1,4-Dichlorobenzene	19	U	8.8	130
Benzyl chloride	43	U	43	110
n-Butylbenzene	46	U	46	110
1,2-Dichlorobenzene	19	U	8.8	130
1,2,4-Trichlorobenzene	62	U	21	390
Hexachlorobutadiene	89	U	24	220
Naphthalene	110	U	110	270

Client: FPM Remediations Inc

Job Number: 280-58004-1

Client Sample ID: **785VMP0401LA**

Lab Sample ID: 280-58004-9
Client Matrix: Air

Date Sampled: 07/18/2014 1400
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75709	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8889_009.d
Dilution:	396			Initial Weight/Volume:	31 mL
Analysis Date:	08/06/2014 1836			Final Weight/Volume:	200 mL
Prep Date:	08/06/2014 1836			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	32	U	12	200
Freon 22	32	U	19	200
1,2-Dichlorotetrafluoroethane	32	U	14	79
Chloromethane	200	U	54	200
n-Butane	200	U	110	200
Vinyl chloride	32	U	15	79
1,3-Butadiene	32	U	17	79
Bromomethane	32	U	11	79
Chloroethane	32	U	12	200
Bromoethene(Vinyl Bromide)	32	U	12	79
Trichlorofluoromethane	32	U	12	79
Freon TF	12	U	7.1	79
1,1-Dichloroethene	32	U	9.5	79
Acetone	3300	~~D~~	500	2000
Isopropyl alcohol	200	U	85	2000
Carbon disulfide	79	U	26	200
3-Chloropropene	32	U	13	200
Methylene Chloride	79	U	50	200
tert-Butyl alcohol	200	U	130	2000
Methyl tert-butyl ether	32	U	8.7	79
trans-1,2-Dichloroethene	32	U	11	79
n-Hexane	32	U	13	79
1,1-Dichloroethane	32	U	15	79
Methyl Ethyl Ketone	770	~~D~~	96	200
cis-1,2-Dichloroethene	32	U	15	79
1,2-Dichloroethene, Total	32	U	25	79
Chloroform	32	U	9.9	79
Tetrahydrofuran	6800	~~D~~	18	2000
1,1,1-Trichloroethane	32	U	8.3	79
Cyclohexane	32	U	9.9	79
Carbon tetrachloride	32	U	8.3	79
2,2,4-Trimethylpentane	32	U	11	79
Benzene	12	U	7.5	79
1,2-Dichloroethane	12	U	6.7	79
n-Heptane	32	U	18	79
Trichloroethene	31	J ~~D~~	9.5	79
Methyl methacrylate	32	U	12	200
1,2-Dichloropropane	32	U	13	79
1,4-Dioxane	79	U	79	2000
Bromodichloromethane	12	U	6.7	79
cis-1,3-Dichloropropene	32	U	11	79
methyl isobutyl ketone	32	U	11	200
Toluene	12	U	6.7	79
trans-1,3-Dichloropropene	32	U	8.7	79
1,1,2-Trichloroethane	12	U	6.7	79
Tetrachloroethene	12	U	6.3	79

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Client: FPM Remediations Inc

Job Number: 280-58004-1

Client Sample ID: **785VMP0401LA**

Lab Sample ID: 280-58004-9
Client Matrix: Air

Date Sampled: 07/18/2014 1400
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75709	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8889_009.d
Dilution:	396			Initial Weight/Volume:	31 mL
Analysis Date:	08/06/2014 1836			Final Weight/Volume:	200 mL
Prep Date:	08/06/2014 1836			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Methyl Butyl Ketone (2-Hexanone)	79	U	79	200
Dibromochloromethane	12	U	7.9	79
1,2-Dibromoethane	32	U	7.9	79
Chlorobenzene	12	U	3.2	79
Ethylbenzene	12	U	5.1	79
m,p-Xylene	32	U	9.1	200
Xylene, o-	12	U	6.3	79
Xylene (total)	32	U	13	79
Styrene	12	U	7.1	79
Bromoform	12	U	4.0	79
Cumene	12	U	6.3	79
1,1,2,2-Tetrachloroethane	12	U	6.3	79
n-Propylbenzene	32	U	32	79
4-Ethyltoluene	12	U	7.1	79
1,3,5-Trimethylbenzene	12	U	4.8	79
2-Chlorotoluene	12	U	5.1	79
tert-Butylbenzene	12	U	6.7	79
1,2,4-Trimethylbenzene	12	U	5.5	79
sec-Butylbenzene	32	U	32	79
4-Isopropyltoluene	32	U	32	79
1,3-Dichlorobenzene	12	U	5.5	79
1,4-Dichlorobenzene	12	U	5.5	79
Benzyl chloride	32	U	32	79
n-Butylbenzene	32	U	32	79
1,2-Dichlorobenzene	12	U	5.5	79
1,2,4-Trichlorobenzene	32	U	11	200
Hexachlorobutadiene	32	U	8.7	79
Naphthalene	79	U	79	200

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
Dichlorodifluoromethane	160	U	59	980
Freon 22	110	U	67	700
1,2-Dichlorotetrafluoroethane	220	U	97	550
Chloromethane	410	U	110	410
n-Butane	470	U	270	470
Vinyl chloride	81	U	38	200
1,3-Butadiene	70	U	37	180
Bromomethane	120	U	43	310
Chloroethane	84	U	31	520
Bromoethene(Vinyl Bromide)	140	U	52	350
Trichlorofluoromethane	180	U	67	440
Freon TF	91	U	55	610
1,1-Dichloroethene	130	U	38	310
Acetone	7900	~~U~~	1200	4700
Isopropyl alcohol	490	U	210	4900
Carbon disulfide	250	U	81	620

CWH 9/14/14

Client: FPM Remediations Inc

Job Number: 280-58004-1

Client Sample ID: **785VMP0401LA**

Lab Sample ID: 280-58004-9
Client Matrix: Air

Date Sampled: 07/18/2014 1400
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75709	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8889_009.d
Dilution:	396			Initial Weight/Volume:	31 mL
Analysis Date:	08/06/2014 1836			Final Weight/Volume:	200 mL
Prep Date:	08/06/2014 1836			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
3-Chloropropene	99	U	42	620
Methylene Chloride	280	U	170	690
tert-Butyl alcohol	600	U	390	6000
Methyl tert-butyl ether	110	U	31	290
trans-1,2-Dichloroethene	130	U	46	310
n-Hexane	110	U	47	280
1,1-Dichloroethane	130	U	61	320
Methyl Ethyl Ketone	2300	~~D~~	280	580
cis-1,2-Dichloroethene	130	U	60	310
1,2-Dichloroethene, Total	130	U	100	310
Chloroform	150	U	48	390
Tetrahydrofuran	20000	~~D~~	54	5800
1,1,1-Trichloroethane	170	U	45	430
Cyclohexane	110	U	34	270
Carbon tetrachloride	200	U	52	500
2,2,4-Trimethylpentane	150	U	50	370
Benzene	38	U	24	250
1,2-Dichloroethane	48	U	27	320
n-Heptane	130	U	75	320
Trichloroethene	170	J ~~D~~	51	430
Methyl methacrylate	130	U	49	810
1,2-Dichloropropane	150	U	59	370
1,4-Dioxane	290	U	290	7100
Bromodichloromethane	80	U	45	530
cis-1,3-Dichloropropene	140	U	50	360
methyl isobutyl ketone	130	U	44	810
Toluene	45	U	25	300
trans-1,3-Dichloropropene	140	U	40	360
1,1,2-Trichloroethane	65	U	37	430
Tetrachloroethene	81	U	43	540
Methyl Butyl Ketone (2-Hexanone)	320	U	320	810
Dibromochloromethane	100	U	67	670
1,2-Dibromoethane	240	U	61	610
Chlorobenzene	55	U	15	360
Ethylbenzene	52	U	22	340
m,p-Xylene	140	U	40	860
Xylene, o-	52	U	28	340
Xylene (total)	140	U	58	340
Styrene	51	U	30	340
Bromoform	120	U	41	820
Cumene	58	U	31	390
1,1,2,2-Tetrachloroethane	82	U	43	540
n-Propylbenzene	160	U	160	390
4-Ethyltoluene	58	U	35	390
1,3,5-Trimethylbenzene	58	U	23	390
2-Chlorotoluene	62	U	27	410

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Client: FPM Remediations Inc

Job Number: 280-58004-1

Client Sample ID: **785VMP0401LA**

Lab Sample ID: 280-58004-9
Client Matrix: Air

Date Sampled: 07/18/2014 1400
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75709	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8889_009.d
Dilution:	396			Initial Weight/Volume:	31 mL
Analysis Date:	08/06/2014 1836			Final Weight/Volume:	200 mL
Prep Date:	08/06/2014 1836			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
tert-Butylbenzene	65	U	37	430
1,2,4-Trimethylbenzene	58	U	27	390
sec-Butylbenzene	170	U	170	430
4-Isopropyltoluene	170	U	170	430
1,3-Dichlorobenzene	71	U	33	480
1,4-Dichlorobenzene	71	U	33	480
Benzyl chloride	160	U	160	410
n-Butylbenzene	170	U	170	430
1,2-Dichlorobenzene	71	U	33	480
1,2,4-Trichlorobenzene	240	U	79	1500
Hexachlorobutadiene	340	U	93	840
Naphthalene	420	U	420	1000

Client: FPM Remediations Inc

Job Number: 280-58004-1

Client Sample ID: **785VMP0202MC**

Lab Sample ID: 280-58004-10
Client Matrix: Air

Date Sampled: 07/18/2014 1340
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75651	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8862_009.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	08/05/2014 1639			Final Weight/Volume:	200 mL
Prep Date:	08/05/2014 1639			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	0.63		0.030	0.50
Freon 22	0.34	J	0.048	0.50
1,2-Dichlorotetrafluoroethane	0.080	U	0.035	0.20
Chloromethane	2.0	J	0.14	0.50
n-Butane	0.50		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		0.030	0.20
Freon TF	0.079	J	0.018	0.20
1,1-Dichloroethene	0.080	U	0.024	0.20
Acetone	11		1.3	5.0
Isopropyl alcohol	3.0	J	0.22	5.0
Carbon disulfide	0.95		0.066	0.50
3-Chloropropene	0.080	U	0.034	0.50
Methylene Chloride	0.13	J	0.13	0.50
tert-Butyl alcohol	0.83	J	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	0.51		0.034	0.20
1,1-Dichloroethane	0.080	U	0.038	0.20
Methyl Ethyl Ketone	1.9		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	0.40	J	0.025	0.20
Tetrahydrofuran	5.6	J	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	0.074	J	0.021	0.20
2,2,4-Trimethylpentane	0.080	U	0.027	0.20
Benzene	0.10	J	0.019	0.20
1,2-Dichloroethane	0.030	U	0.017	0.20
n-Heptane	0.080	U	0.046	0.20
Trichloroethene	3.8	J	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	1.8	J	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	0.13	J	0.027	0.50
Toluene	0.20		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

Client: FPM Remediations Inc

Job Number: 280-58004-1

Client Sample ID: **785VMP0202MC**

Lab Sample ID: 280-58004-10
Client Matrix: Air

Date Sampled: 07/18/2014 1340
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75651	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8862_009.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	08/05/2014 1639			Final Weight/Volume:	200 mL
Prep Date:	08/05/2014 1639			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Methyl Butyl Ketone (2-Hexanone)	0.30	J M	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	0.041	J	0.013	0.20
m,p-Xylene	0.075	J	0.023	0.50
Xylene, o-	0.033	J	0.016	0.20
Xylene (total)	0.11	J	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	0.012	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	0.053	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	0.031	J	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	3.1		0.15	2.5
Freon 22	1.2	J	0.17	1.8
1,2-Dichlorotetrafluoroethane	0.56	U	0.24	1.4
Chloromethane	4.2	J	0.28	1.0
n-Butane	1.2		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	1.4		0.17	1.1
Freon TF	0.61	J	0.14	1.5
1,1-Dichloroethene	0.32	U	0.095	0.79
Acetone	26		3.0	12
Isopropyl alcohol	7.5	J	0.53	12
Carbon disulfide	3.0		0.21	1.6

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Client: FPM Remediations Inc

Job Number: 280-58004-1

Client Sample ID: **785VMP0202MC**

Lab Sample ID: 280-58004-10
Client Matrix: Air

Date Sampled: 07/18/2014 1340
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75651	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8862_009.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	08/05/2014 1639			Final Weight/Volume:	200 mL
Prep Date:	08/05/2014 1639			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
3-Chloropropene	0.25	U	0.11	1.6
Methylene Chloride	0.45	J	0.43	1.7
tert-Butyl alcohol	2.5	J	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	1.8		0.12	0.70
1,1-Dichloroethane	0.32	U	0.15	0.81
Methyl Ethyl Ketone	5.5		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	2.0	U	0.12	0.98
Tetrahydrofuran	16	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	0.47	J	0.13	1.3
2,2,4-Trimethylpentane	0.37	U	0.13	0.93
Benzene	0.33	J	0.061	0.64
1,2-Dichloroethane	0.12	U	0.069	0.81
n-Heptane	0.33	U	0.19	0.82
Trichloroethene	21	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	6.6	J	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	0.53	J	0.11	2.0
Toluene	0.75		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)	1.2	J	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	0.18	J	0.056	0.87
m,p-Xylene	0.33	J	0.10	2.2
Xylene, o-	0.15	J	0.069	0.87
Xylene (total)	0.47	J	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	0.059	J	0.059	0.98
2-Chlorotoluene	0.16	U	0.067	1.0

CLA 9/14/14

Client: FPM Remediations Inc

Job Number: 280-58004-1

Client Sample ID: **785VMP0202MC**

Lab Sample ID: 280-58004-10
Client Matrix: Air

Date Sampled: 07/18/2014 1340
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75651	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8862_009.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	08/05/2014 1639			Final Weight/Volume:	200 mL
Prep Date:	08/05/2014 1639			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
tert-Butylbenzene	0.16	U	0.093	1.1
1,2,4-Trimethylbenzene	0.26	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	0.19	J	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

FPM REMEDIATIONS, Inc.
Data Verification and Usability Report
GRIFFISS AIR FORCE BASE
GRIFFISS SUBSLAB VAPOR MITIGATION SYSTEM
Site Griffiss AFB Buildings 774/776

Contract No. FA8903-10-D-8595
FPM Project No. 1015-11-01

TestAmerica Job # 280-58003-1

Laboratory:	TestAmerica Laboratories, Inc.
Sample Matrix:	Soil gas
Number of Samples:	11
Analytical Protocol:	DOD QSM, version 4.2, as per project-specific UFP QAPP
Data Reviewer:	Connie van Hoesel
Sample Date:	July 16-17, 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
774VMP0101KA	7/17/14		
774VMP0201KA	7/17/14	774VMP0201KC	7/17/14
774VMP0301KA	7/17/14		
776VMP0101KA	7/17/14		
776VMP0201KA	7/17/14		
776VMP0301KA	7/17/14		
774IA1LA	7/17/14		
774776OA1LA	7/17/14		
776IA1LA	7/17/14		
774776CA01KA	7/16/14		

Notes:

Refer to attached chain-of-custody for detailed sampling information and sample specific analyses requested.
KA, LA – Primary environmental samples
KC – Field duplicate samples

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 MDL and RL), 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 RL, no further action was taken in such instances.

SAMPLE LABELING/CHAIN-OF-CUSTODY

All discrepancies noted between the sample labels and the chain-of-custody were resolved as discussed in the case narrative.

VOLATILE ORGANIC COMPOUNDS (VOCs)

- According to the case narrative, the following samples were analyzed at initial dilutions:

Sample	Dilution
774VMP0101KA	1:14.1
774VMP0201KA	1:18.3
774VMP0301KA	1:41
774VMP0201KA	1:2.0
776VMP0101KA	1:1.6
776VMP0201KA	1:2.0
774IA1LA	1:2.5
774776CA01KA	1:5.0

The dilution results only are reported and are used in data verification as representing original results.

- According to the case narrative, in the following continuing calibration verification (CCV), analytes exhibited the following exceedances:

Type of Calibration Exceedance Affected Analytes	%D/ %RSD	AFCEE QC Limit	Flag Applied	Rationale
CCVIS 200-75211/2				
Naphthalene	***37.3***	±30	None	%D > upper control limit; all associated results non-detect
1,2,3-Trichlorobenzene	***57.0***	±30	None	Not associated with field samples

Corrective Action: No flagging was deemed necessary since the exceeding analyte was either not associated with field sample results, or associated results were non-detect and the bias was high.

- 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 774VMP0201KA/KC.

Sample ID, Normal	Sample ID, Field Duplicate	Analyte	Normal Result (µg/m3)	Field Dup Result (µg/m3)	LOQ (µg/m3)	RPD	Flag Applied	Rationale
774VMP0201KA	774VMP0201KC	Dichlorodifluoromethane	7.2 U	3.0 J	45, 4.9	4.2	None	Total difference < 2xLOQ
774VMP0201KA	774VMP0201KC	Freon 22	1,300	170	32, 3.5	***154***	J	RPD > 25%

Sample ID, Normal	Sample ID, Field Duplicate	Analyte	Normal Result (µg/m3)	Field Dup Result (µg/m3)	LOQ (µg/m3)	RPD	Flag Applied	Rationale
774VMP0201KA	774VMP0201KC	Chloromethane	19 U	1.3 J	19, 2.1	17.7	None	Total difference < 2xLOQ
774VMP0201KA	774VMP0201KC	n-Butane	22 U	1.5 J	22, 2.4	20.5	None	Total difference < 2xLOQ
774VMP0201KA	774VMP0201KC	Trichlorofluoromethane	14 J	1.5 J	21, 2.2	12.5	None	Total difference < 2xLOQ
774VMP0201KA	774VMP0201KC	Freon TF	4.2 U	0.67 J	28, 3.1	3.53	None	Total difference < 2xLOQ
774VMP0201KA	774VMP0201KC	Acetone	110 U	38	220, 24	72	None	Total difference < 2xLOQ
774VMP0201KA	774VMP0201KC	Isopropyl alcohol	12 J	47	220, 25	35	None	Total difference < 2xLOQ
774VMP0201KA	774VMP0201KC	tert-Butyl alcohol	28 U	5.0 J	280, 30	23	None	Total difference < 2xLOQ
774VMP0201KA	774VMP0201KC	MTBE	5.3 U	0.32 J	13, 1.4	5.0	None	Total difference < 2xLOQ
774VMP0201KA	774VMP0201KC	n-Hexane	5.2 U	0.79 J	13, 1.4	4.4	None	Total difference < 2xLOQ
774VMP0201KA	774VMP0201KC	Methyl Ethyl Ketone	27 U	7.0	27, 2.9	20	None	Total difference < 2xLOQ
774VMP0201KA	774VMP0201KC	Chloroform	7.1 U	0.33 J	18, 2.0	6.8	None	Total difference < 2xLOQ
774VMP0201KA	774VMP0201KC	Cyclohexane	5.0 U	1.3 J	13, 1.4	3.7	None	Total difference < 2xLOQ
774VMP0201KA	774VMP0201KC	2,2,4-Trimethylpentane	6.8 U	0.61 J	17, 1.9	6.2	None	Total difference < 2xLOQ
774VMP0201KA	774VMP0201KC	Benzene	1.8 U	0.60 J	12, 1.3	1.2	None	Total difference < 2xLOQ
774VMP0201KA	774VMP0201KC	n-Heptane	6.0 U	0.69 J	15, 1.6	5.3	None	Total difference < 2xLOQ
774VMP0201KA	774VMP0201KC	Trichloroethene	7.9 U	1.1 J	20, 2.1	6.8	None	Total difference < 2xLOQ
774VMP0201KA	774VMP0201KC	Methyl methacrylate	6.0 U	0.71 J	37, 4.1	5.3	None	Total

Sample ID, Normal	Sample ID, Field Duplicate	Analyte	Normal Result (µg/m3)	Field Dup Result (µg/m3)	LOQ (µg/m3)	RPD	Flag Applied	Rationale
								difference < 2xLOQ
774VMP0201KA	774VMP0201KC	Methyl isobutyl ketone	6.0 U	1.2 J	37, 4.1	4.8	None	Total difference < 2xLOQ
774VMP0201KA	774VMP0201KC	Toluene	2.1 U	4.2	14, 1.5	2.1	None	Total difference < 2xLOQ
774VMP0201KA	774VMP0201KC	Ethylbenzene	2.4 U	1.9	16, 1.7	0.5	None	Total difference < 2xLOQ
774VMP0201KA	774VMP0201KC	m,p-Xylene	6.4 U	5.1	40, 4.3	1.3	None	Total difference < 2xLOQ
774VMP0201KA	774VMP0201KC	o-Xylene	2.4 U	1.9	16, 1.7	0.5	None	Total difference < 2xLOQ
774VMP0201KA	774VMP0201KC	Total Xylene	6.4 U	7.1	16, 1.7	0.7	None	Total difference < 2xLOQ
774VMP0201KA	774VMP0201KC	Styrene	2.3 U	1.4 J	16, 1.7	0.9	None	Total difference < 2xLOQ
774VMP0201KA	774VMP0201KC	Cumene	2.7 U	0.34 J	18, 2.0	2.36	None	Total difference < 2xLOQ
774VMP0201KA	774VMP0201KC	4-Ethyltoluene	2.7 U	0.68 J	18, 2.0	2.0	None	Total difference < 2xLOQ
774VMP0201KA	774VMP0201KC	1,3,5-Trimethylbenzene	2.7 U	0.68 J	18, 2.0	2.0	None	Total difference < 2xLOQ
774VMP0201KA	774VMP0201KC	1,2,4-Trimethylbenzene	2.7 U	2.3	18, 2.0	0.4	None	Total difference < 2xLOQ
774VMP0201KA	774VMP0201KC	1,3-Dichlorobenzene	3.3 U	6.3	22, 2.4	3.0	None	Total difference < 2xLOQ

Corrective Action: A "J" flag was applied to the duplicate sample set 774VMP0201KA/KC for the analytes as listed above, since either the total difference was greater than twice the LOQ, or the RPD exceeded the control limit. All other results 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 # 280-58003-1 are usable, which can be used with qualifications as noted in the data review.

Signed:  Date: 9/14/14

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: 280-58003-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
280-58003-1	774VMP0101KA	Air	07/17/2014 0915	07/21/2014 1400
280-58003-2	774VMP0201KA	Air	07/17/2014 0925	07/21/2014 1400
280-58003-3	774VMP0301KA	Air	07/17/2014 0935	07/21/2014 1400
280-58003-4	776VMP0201KC	Air	07/17/2014 1150	07/21/2014 1400
280-58003-5	776VMP0101KA	Air	07/17/2014 1200	07/21/2014 1400
280-58003-6	776VMP0201KA	Air	07/17/2014 1150	07/21/2014 1400
280-58003-7	776VMP0301KA	Air	07/17/2014 1210	07/21/2014 1400
280-58003-8	774IA1LA	Air	07/17/2014 0840	07/21/2014 1400
280-58003-9	774776OA1LA	Air	07/17/2014 0900	07/21/2014 1400
280-58003-10	776IA1LA	Air	07/17/2014 0850	07/21/2014 1400
280-58003-11	774776CA01KA	Air	07/16/2014 1145	07/21/2014 1400

CASE NARRATIVE
Client: FPM Remediations Inc
Project: Griffiss AFB 1015-11-01 SVI
Report Number: 280-58003-1

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

Eleven samples were received at TestAmerica Burlington on 07/21/2014; the samples arrived in good condition.

VOLATILE ORGANIC COMPOUNDS (GC/MS) - TO-15

Samples 774VMP0101KA (280-58003-1), 774VMP0201KA (280-58003-2), 774VMP0301KA (280-58003-3), 776VMP0201KC (280-58003-4), 776VMP0101KA (280-58003-5), 776VMP0201KA (280-58003-6), 776VMP0301KA (280-58003-7), 774IA1LA (280-58003-8), 774776OA1LA (280-58003-9), 776IA1LA (280-58003-10) and 774776CA01KA (280-58003-11) were analyzed for volatile organic compounds in accordance with TO-15. The samples were analyzed on 07/23/2014, 07/24/2014 and 07/31/2014.

1,2,4-Trichlorobenzene, 1,2-Dichlorobenzene, 1,3-Dichlorobenzene and 1,4-Dichlorobenzene were detected in method blank MB 200-75271/4 at levels that were above the method detection limits but below the reporting limits. The values should be considered estimates, and have been flagged "J". However, because the result concentrations were less than ½ the respective reporting limit, no corrective action was necessary.

1,2,4-Trichlorobenzene, 1,2-Dichlorobenzene, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene and Hexachlorobutadiene were detected in method blank MB 200-75517/6 at levels that were above the method detection limits but below the reporting limits. The values should be considered estimates, and have been flagged "J". However, because the result concentrations were less than ½ the respective reporting limit, no corrective action was necessary.

Samples 774VMP0101KA (280-58003-1), 774VMP0201KA (280-58003-2), 774VMP0301KA (280-58003-3, 776VMP0201KC (280-58003-4), 776VMP0101KA (280-58003-5), 776VMP0201KA (280-58003-6), 774IA1LA (280-58003-8) and 774776CA01KA (280-58003-11) required dilutions prior to analysis. The reporting limits have been adjusted accordingly.

The continuing calibration verification (CCV) associated with batch 200-75211 recovered above the upper control limit for Naphthalene. The samples associated with this CCV were non-detect for the affected analyte; therefore, the data have been reported. The following samples are impacted: 774776OA1LA (280-58003-9) and 776IA1LA (280-58003-10).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Client: FPM Remediations Inc

Job Number: 280-58003-1

Client Sample ID: **774VMP0101KA**

Lab Sample ID: 280-58003-1
Client Matrix: Air

Date Sampled: 07/17/2014 0915
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75517	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8801_008.d
Dilution:	14.1			Initial Weight/Volume:	27 mL
Analysis Date:	07/31/2014 1709			Final Weight/Volume:	200 mL
Prep Date:	07/31/2014 1709			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	0.56	J	0.42	7.1
Freon 22	320		0.68	7.1
1,2-Dichlorotetrafluoroethane	1.1	U	0.49	2.8
Chloromethane	7.1	U	1.9	7.1
n-Butane	7.1	U	4.0	7.1
Vinyl chloride	1.1	U	0.54	2.8
1,3-Butadiene	1.1	U	0.59	2.8
Bromomethane	1.1	U	0.39	2.8
Chloroethane	1.1	U	0.42	7.1
Bromoethene(Vinyl Bromide)	1.1	U	0.42	2.8
Trichlorofluoromethane	2.6	J	0.42	2.8
Freon TF	0.42	U	0.25	2.8
1,1-Dichloroethene	1.1	U	0.34	2.8
Acetone	35	U	18	71
Isopropyl alcohol	3.7	J	3.0	71
Carbon disulfide	2.8	U	0.93	7.1
3-Chloropropene	1.1	U	0.48	7.1
Methylene Chloride	2.8	U	1.8	7.1
tert-Butyl alcohol	7.1	U	4.6	71
Methyl tert-butyl ether	1.1	U	0.31	2.8
trans-1,2-Dichloroethene	1.1	U	0.41	2.8
n-Hexane	1.1	U	0.48	2.8
1,1-Dichloroethane	1.1	U	0.54	2.8
Methyl Ethyl Ketone	7.1	U	3.4	7.1
cis-1,2-Dichloroethene	1.1	U	0.54	2.8
1,2-Dichloroethene, Total	1.1	U	0.90	2.8
Chloroform	1.1	U	0.35	2.8
Tetrahydrofuran	1.1	U	0.65	71
1,1,1-Trichloroethane	1.1	U	0.30	2.8
Cyclohexane	1.1	U	0.35	2.8
Carbon tetrachloride	1.1	U	0.30	2.8
2,2,4-Trimethylpentane	1.1	U	0.38	2.8
Benzene	0.42	U	0.27	2.8
1,2-Dichloroethane	0.42	U	0.24	2.8
n-Heptane	1.1	U	0.65	2.8
Trichloroethene	1.1	U	0.34	2.8
Methyl methacrylate	1.1	U	0.42	7.1
1,2-Dichloropropane	1.1	U	0.45	2.8
1,4-Dioxane	2.8	U	2.8	71
Bromodichloromethane	0.42	U	0.24	2.8
cis-1,3-Dichloropropene	1.1	U	0.39	2.8
methyl isobutyl ketone	1.1	U	0.38	7.1
Toluene	0.37	J	0.24	2.8
trans-1,3-Dichloropropene	1.1	U	0.31	2.8
1,1,2-Trichloroethane	0.42	U	0.24	2.8
Tetrachloroethene	0.42	U	0.23	2.8

ELK 9/4/14

Client: FPM Remediations Inc

Job Number: 280-58003-1

Client Sample ID: 774VMP0101KA

Lab Sample ID: 280-58003-1
Client Matrix: Air

Date Sampled: 07/17/2014 0915
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75517	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8801_008.d
Dilution:	14.1			Initial Weight/Volume:	27 mL
Analysis Date:	07/31/2014 1709			Final Weight/Volume:	200 mL
Prep Date:	07/31/2014 1709			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Methyl Butyl Ketone (2-Hexanone)	2.8	U	2.8	7.1
Dibromochloromethane	0.42	U	0.28	2.8
1,2-Dibromoethane	1.1	U	0.28	2.8
Chlorobenzene	0.42	U	0.11	2.8
Ethylbenzene	0.42	U	0.18	2.8
m,p-Xylene	1.1	U	0.32	7.1
Xylene, o-	0.42	U	0.23	2.8
Xylene (total)	1.1	U	0.48	2.8
Styrene	0.42	U	0.25	2.8
Bromoform	0.42	U	0.14	2.8
Cumene	0.42	U	0.23	2.8
1,1,2,2-Tetrachloroethane	0.42	U	0.23	2.8
n-Propylbenzene	1.1	U	1.1	2.8
4-Ethyltoluene	0.42	U	0.25	2.8
1,3,5-Trimethylbenzene	0.42	U	0.17	2.8
2-Chlorotoluene	0.42	U	0.18	2.8
tert-Butylbenzene	0.42	U	0.24	2.8
1,2,4-Trimethylbenzene	0.42	U	0.20	2.8
sec-Butylbenzene	1.1	U	1.1	2.8
4-Isopropyltoluene	1.1	U	1.1	2.8
1,3-Dichlorobenzene	0.42	U	0.20	2.8
1,4-Dichlorobenzene	0.42	U	0.20	2.8
Benzyl chloride	1.1	U	1.1	2.8
n-Butylbenzene	1.1	U	1.1	2.8
1,2-Dichlorobenzene	0.42	U	0.20	2.8
1,2,4-Trichlorobenzene	1.1	U	0.38	7.1
Hexachlorobutadiene	1.1	U	0.31	2.8
Naphthalene	2.8	U	2.8	7.1

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
Dichlorodifluoromethane	2.8	J	2.1	35
Freon 22	1100		2.4	25
1,2-Dichlorotetrafluoroethane	7.9	U	3.4	20
Chloromethane	15	U	4.0	15
n-Butane	17	U	9.5	17
Vinyl chloride	2.9	U	1.4	7.2
1,3-Butadiene	2.5	U	1.3	6.2
Bromomethane	4.4	U	1.5	11
Chloroethane	3.0	U	1.1	19
Bromoethene(Vinyl Bromide)	4.9	U	1.9	12
Trichlorofluoromethane	15	J	2.4	16
Freon TF	3.2	U	1.9	22
1,1-Dichloroethene	4.5	U	1.3	11
Acetone	84	U	42	170
Isopropyl alcohol	9.0	J	7.5	170
Carbon disulfide	8.8	U	2.9	22

CWH 8/14/14

Client: FPM Remediations Inc

Job Number: 280-58003-1

Client Sample ID: **774VMP0101KA**

Lab Sample ID: 280-58003-1
Client Matrix: Air

Date Sampled: 07/17/2014 0915
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75517	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8801_008.d
Dilution:	14.1			Initial Weight/Volume:	27 mL
Analysis Date:	07/31/2014 1709			Final Weight/Volume:	200 mL
Prep Date:	07/31/2014 1709			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
3-Chloropropene	3.5	U	1.5	22
Methylene Chloride	9.8	U	6.1	24
tert-Butyl alcohol	21	U	14	210
Methyl tert-butyl ether	4.1	U	1.1	10
trans-1,2-Dichloroethene	4.5	U	1.6	11
n-Hexane	4.0	U	1.7	9.9
1,1-Dichloroethane	4.6	U	2.2	11
Methyl Ethyl Ketone	21	U	10	21
cis-1,2-Dichloroethene	4.5	U	2.1	11
1,2-Dichloroethene, Total	4.5	U	3.6	11
Chloroform	5.5	U	1.7	14
Tetrahydrofuran	3.3	U	1.9	210
1,1,1-Trichloroethane	6.2	U	1.6	15
Cyclohexane	3.9	U	1.2	9.7
Carbon tetrachloride	7.1	U	1.9	18
2,2,4-Trimethylpentane	5.3	U	1.8	13
Benzene	1.4	U	0.86	9.0
1,2-Dichloroethane	1.7	U	0.97	11
n-Heptane	4.6	U	2.7	12
Trichloroethene	6.1	U	1.8	15
Methyl methacrylate	4.6	U	1.7	29
1,2-Dichloropropane	5.2	U	2.1	13
1,4-Dioxane	10	U	10	250
Bromodichloromethane	2.8	U	1.6	19
cis-1,3-Dichloropropene	5.1	U	1.8	13
methyl isobutyl ketone	4.6	U	1.6	29
Toluene	1.4	J	0.90	11
trans-1,3-Dichloropropene	5.1	U	1.4	13
1,1,2-Trichloroethane	2.3	U	1.3	15
Tetrachloroethene	2.9	U	1.5	19
Methyl Butyl Ketone (2-Hexanone)	12	U	12	29
Dibromochloromethane	3.6	U	2.4	24
1,2-Dibromoethane	8.7	U	2.2	22
Chlorobenzene	1.9	U	0.53	13
Ethylbenzene	1.8	U	0.80	12
m,p-Xylene	4.9	U	1.4	31
Xylene, o-	1.8	U	0.98	12
Xylene (total)	4.9	U	2.1	12
Styrene	1.8	U	1.1	12
Bromoform	4.4	U	1.5	29
Cumene	2.1	U	1.1	14
1,1,2,2-Tetrachloroethane	2.9	U	1.5	19
n-Propylbenzene	5.5	U	5.5	14
4-Ethyltoluene	2.1	U	1.2	14
1,3,5-Trimethylbenzene	2.1	U	0.83	14
2-Chlorotoluene	2.2	U	0.95	15

9/14/14

Client: FPM Remediations Inc

Job Number: 280-58003-1

Client Sample ID: **774VMP0101KA**

Lab Sample ID: 280-58003-1
Client Matrix: Air

Date Sampled: 07/17/2014 0915
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75517	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8801_008.d
Dilution:	14.1			Initial Weight/Volume:	27 mL
Analysis Date:	07/31/2014 1709			Final Weight/Volume:	200 mL
Prep Date:	07/31/2014 1709			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
tert-Butylbenzene	2.3	U	1.3	15
1,2,4-Trimethylbenzene	2.1	U	0.97	14
sec-Butylbenzene	6.2	U	6.2	15
4-Isopropyltoluene	6.2	U	6.2	15
1,3-Dichlorobenzene	2.5	U	1.2	17
1,4-Dichlorobenzene	2.5	U	1.2	17
Benzyl chloride	5.8	U	5.8	15
n-Butylbenzene	6.2	U	6.2	15
1,2-Dichlorobenzene	2.5	U	1.2	17
1,2,4-Trichlorobenzene	8.4	U	2.8	52
Hexachlorobutadiene	12	U	3.3	30
Naphthalene	15	U	15	37

Client: FPM Remediations Inc

Job Number: 280-58003-1

Client Sample ID: **774VMP0201KA**

Lab Sample ID: 280-58003-2
Client Matrix: Air

Date Sampled: 07/17/2014 0925
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75517	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8801_009.d
Dilution:	18.3			Initial Weight/Volume:	24 mL
Analysis Date:	07/31/2014 1758			Final Weight/Volume:	200 mL
Prep Date:	07/31/2014 1758			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	1.5	U	0.55	9.2
Freon 22	380	~~D~~ J	0.88	9.2
1,2-Dichlorotetrafluoroethane	1.5	U	0.64	3.7
Chloromethane	9.2	U	2.5	9.2
n-Butane	9.2	U	5.2	9.2
Vinyl chloride	1.5	U	0.70	3.7
1,3-Butadiene	1.5	U	0.77	3.7
Bromomethane	1.5	U	0.51	3.7
Chloroethane	1.5	U	0.55	9.2
Bromoethene(Vinyl Bromide)	1.5	U	0.55	3.7
Trichlorofluoromethane	2.6	J ~~D~~	0.55	3.7
Freon TF	0.55	U	0.33	3.7
1,1-Dichloroethene	1.5	U	0.44	3.7
Acetone	46	U	23	92
Isopropyl alcohol	4.7	J ~~D~~	3.9	92
Carbon disulfide	3.7	U	1.2	9.2
3-Chloropropene	1.5	U	0.62	9.2
Methylene Chloride	3.7	U	2.3	9.2
tert-Butyl alcohol	9.2	U	6.0	92
Methyl tert-butyl ether	1.5	U	0.40	3.7
trans-1,2-Dichloroethene	1.5	U	0.53	3.7
n-Hexane	1.5	U	0.62	3.7
1,1-Dichloroethane	1.5	U	0.70	3.7
Methyl Ethyl Ketone	9.2	U	4.4	9.2
cis-1,2-Dichloroethene	1.5	U	0.70	3.7
1,2-Dichloroethene, Total	1.5	U	1.2	3.7
Chloroform	1.5	U	0.46	3.7
Tetrahydrofuran	1.5	U	0.84	92
1,1,1-Trichloroethane	1.5	U	0.38	3.7
Cyclohexane	1.5	U	0.46	3.7
Carbon tetrachloride	1.5	U	0.38	3.7
2,2,4-Trimethylpentane	1.5	U	0.49	3.7
Benzene	0.55	U	0.35	3.7
1,2-Dichloroethane	0.55	U	0.31	3.7
n-Heptane	1.5	U	0.84	3.7
Trichloroethene	1.5	U	0.44	3.7
Methyl methacrylate	1.5	U	0.55	9.2
1,2-Dichloropropane	1.5	U	0.59	3.7
1,4-Dioxane	3.7	U	3.7	92
Bromodichloromethane	0.55	U	0.31	3.7
cis-1,3-Dichloropropene	1.5	U	0.51	3.7
methyl isobutyl ketone	1.5	U	0.49	9.2
Toluene	0.55	U	0.31	3.7
trans-1,3-Dichloropropene	1.5	U	0.40	3.7
1,1,2-Trichloroethane	0.55	U	0.31	3.7
Tetrachloroethene	0.55	U	0.29	3.7

LCT 9/14/14

Client: FPM Remediations Inc

Job Number: 280-58003-1

Client Sample ID: **774VMP0201KA**

Lab Sample ID: 280-58003-2
Client Matrix: Air

Date Sampled: 07/17/2014 0925
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75517	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8801_009.d
Dilution:	18.3			Initial Weight/Volume:	24 mL
Analysis Date:	07/31/2014 1758			Final Weight/Volume:	200 mL
Prep Date:	07/31/2014 1758			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Methyl Butyl Ketone (2-Hexanone)	3.7	U	3.7	9.2
Dibromochloromethane	0.55	U	0.37	3.7
1,2-Dibromoethane	1.5	U	0.37	3.7
Chlorobenzene	0.55	U	0.15	3.7
Ethylbenzene	0.55	U	0.24	3.7
m,p-Xylene	1.5	U	0.42	9.2
Xylene, o-	0.55	U	0.29	3.7
Xylene (total)	1.5	U	0.62	3.7
Styrene	0.55	U	0.33	3.7
Bromoform	0.55	U	0.18	3.7
Cumene	0.55	U	0.29	3.7
1,1,2,2-Tetrachloroethane	0.55	U	0.29	3.7
n-Propylbenzene	1.5	U	1.5	3.7
4-Ethyltoluene	0.55	U	0.33	3.7
1,3,5-Trimethylbenzene	0.55	U	0.22	3.7
2-Chlorotoluene	0.55	U	0.24	3.7
tert-Butylbenzene	0.55	U	0.31	3.7
1,2,4-Trimethylbenzene	0.55	U	0.26	3.7
sec-Butylbenzene	1.5	U	1.5	3.7
4-Isopropyltoluene	1.5	U	1.5	3.7
1,3-Dichlorobenzene	0.55	U	0.26	3.7
1,4-Dichlorobenzene	0.55	U	0.26	3.7
Benzyl chloride	1.5	U	1.5	3.7
n-Butylbenzene	1.5	U	1.5	3.7
1,2-Dichlorobenzene	0.55	U	0.26	3.7
1,2,4-Trichlorobenzene	1.5	U	0.49	9.2
Hexachlorobutadiene	1.5	U	0.40	3.7
Naphthalene	3.7	U	3.7	9.2

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
Dichlorodifluoromethane	7.2	U	2.7	45
Freon 22	1300	~~J~~ J	3.1	32
1,2-Dichlorotetrafluoroethane	10	U	4.5	26
Chloromethane	19	U	5.1	19
n-Butane	22	U	12	22
Vinyl chloride	3.7	U	1.8	9.4
1,3-Butadiene	3.2	U	1.7	8.1
Bromomethane	5.7	U	2.0	14
Chloroethane	3.9	U	1.4	24
Bromoethene(Vinyl Bromide)	6.4	U	2.4	16
Trichlorofluoromethane	14	J~~J~~	3.1	21
Freon TF	4.2	U	2.5	28
1,1-Dichloroethene	5.8	U	1.7	15
Acetone	110	U	54	220
Isopropyl alcohol	12	J~~J~~	9.7	220
Carbon disulfide	11	U	3.8	28

clt 9/4/14

Client: FPM Remediations Inc

Job Number: 280-58003-1

Client Sample ID: **774VMP0201KA**

Lab Sample ID: 280-58003-2
Client Matrix: Air

Date Sampled: 07/17/2014 0925
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75517	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8801_009.d
Dilution:	18.3			Initial Weight/Volume:	24 mL
Analysis Date:	07/31/2014 1758			Final Weight/Volume:	200 mL
Prep Date:	07/31/2014 1758			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
3-Chloropropene	4.6	U	1.9	29
Methylene Chloride	13	U	7.9	32
tert-Butyl alcohol	28	U	18	280
Methyl tert-butyl ether	5.3	U	1.5	13
trans-1,2-Dichloroethene	5.8	U	2.1	15
n-Hexane	5.2	U	2.2	13
1,1-Dichloroethane	5.9	U	2.8	15
Methyl Ethyl Ketone	27	U	13	27
cis-1,2-Dichloroethene	5.8	U	2.8	15
1,2-Dichloroethene, Total	5.8	U	4.6	15
Chloroform	7.1	U	2.2	18
Tetrahydrofuran	4.3	U	2.5	270
1,1,1-Trichloroethane	8.0	U	2.1	20
Cyclohexane	5.0	U	1.6	13
Carbon tetrachloride	9.2	U	2.4	23
2,2,4-Trimethylpentane	6.8	U	2.3	17
Benzene	1.8	U	1.1	12
1,2-Dichloroethane	2.2	U	1.3	15
n-Heptane	6.0	U	3.5	15
Trichloroethene	7.9	U	2.4	20
Methyl methacrylate	6.0	U	2.2	37
1,2-Dichloropropane	6.8	U	2.7	17
1,4-Dioxane	13	U	13	330
Bromodichloromethane	3.7	U	2.1	25
cis-1,3-Dichloropropene	6.6	U	2.3	17
methyl isobutyl ketone	6.0	U	2.0	37
Toluene	2.1	U	1.2	14
trans-1,3-Dichloropropene	6.6	U	1.8	17
1,1,2-Trichloroethane	3.0	U	1.7	20
Tetrachloroethene	3.7	U	2.0	25
Methyl Butyl Ketone (2-Hexanone)	15	U	15	37
Dibromochloromethane	4.7	U	3.1	31
1,2-Dibromoethane	11	U	2.8	28
Chlorobenzene	2.5	U	0.68	17
Ethylbenzene	2.4	U	1.0	16
m,p-Xylene	6.4	U	1.8	40
Xylene, o-	2.4	U	1.3	16
Xylene (total)	6.4	U	2.7	16
Styrene	2.3	U	1.4	16
Bromoform	5.7	U	1.9	38
Cumene	2.7	U	1.4	18
1,1,2,2-Tetrachloroethane	3.8	U	2.0	25
n-Propylbenzene	7.2	U	7.2	18
4-Ethyltoluene	2.7	U	1.6	18
1,3,5-Trimethylbenzene	2.7	U	1.1	18
2-Chlorotoluene	2.8	U	1.2	19

Client: FPM Remediations Inc

Job Number: 280-58003-1

Client Sample ID: **774VMP0201KA**

Lab Sample ID: 280-58003-2
Client Matrix: Air

Date Sampled: 07/17/2014 0925
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75517	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8801_009.d
Dilution:	18.3			Initial Weight/Volume:	24 mL
Analysis Date:	07/31/2014 1758			Final Weight/Volume:	200 mL
Prep Date:	07/31/2014 1758			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
tert-Butylbenzene	3.0	U	1.7	20
1,2,4-Trimethylbenzene	2.7	U	1.3	18
sec-Butylbenzene	8.0	U	8.0	20
4-Isopropyltoluene	8.0	U	8.0	20
1,3-Dichlorobenzene	3.3	U	1.5	22
1,4-Dichlorobenzene	3.3	U	1.5	22
Benzyl chloride	7.6	U	7.6	19
n-Butylbenzene	8.0	U	8.0	20
1,2-Dichlorobenzene	3.3	U	1.5	22
1,2,4-Trichlorobenzene	11	U	3.7	68
Hexachlorobutadiene	16	U	4.3	39
Naphthalene	19	U	19	48

Client: FPM Remediations Inc

Job Number: 280-58003-1

Client Sample ID: 774VMP0301KA

Lab Sample ID: 280-58003-3
Client Matrix: Air

Date Sampled: 07/17/2014 0935
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75517	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8801_010.d
Dilution:	41			Initial Weight/Volume:	50 mL
Analysis Date:	07/31/2014 1846			Final Weight/Volume:	200 mL
Prep Date:	07/31/2014 1846			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	4.8	J D	1.2	21
Freon 22	1100	D	2.0	21
1,2-Dichlorotetrafluoroethane	3.3	U	1.4	8.2
Chloromethane	21	U	5.6	21
n-Butane	21	U	12	21
Vinyl chloride	3.3	U	1.6	8.2
1,3-Butadiene	3.3	U	1.7	8.2
Bromomethane	3.3	U	1.1	8.2
Chloroethane	3.3	U	1.2	21
Bromoethene(Vinyl Bromide)	3.3	U	1.2	8.2
Trichlorofluoromethane	66	D	1.2	8.2
Freon TF	1.2	U	0.74	8.2
1,1-Dichloroethene	3.3	U	0.98	8.2
Acetone	73	J D	51	210
Isopropyl alcohol	46	J D	8.8	210
Carbon disulfide	8.2	U	2.7	21
3-Chloropropene	3.3	U	1.4	21
Methylene Chloride	8.2	U	5.1	21
tert-Butyl alcohol	21	U	13	210
Methyl tert-butyl ether	3.3	U	0.90	8.2
trans-1,2-Dichloroethene	3.3	U	1.2	8.2
n-Hexane	3.3	U	1.4	8.2
1,1-Dichloroethane	3.3	U	1.6	8.2
Methyl Ethyl Ketone	21	U	9.9	21
cis-1,2-Dichloroethene	3.3	U	1.6	8.2
1,2-Dichloroethene, Total	3.3	U	2.6	8.2
Chloroform	3.3	U	1.0	8.2
Tetrahydrofuran	3.3	U	1.9	210
1,1,1-Trichloroethane	3.3	U	0.86	8.2
Cyclohexane	3.6	J D M	1.0	8.2
Carbon tetrachloride	3.3	U	0.86	8.2
2,2,4-Trimethylpentane	3.3	U	1.1	8.2
Benzene	1.8	J D	0.78	8.2
1,2-Dichloroethane	1.2	U	0.70	8.2
n-Heptane	3.3	U	1.9	8.2
Trichloroethene	1.7	J D M	0.98	8.2
Methyl methacrylate	3.3	U	1.2	21
1,2-Dichloropropane	3.3	U	1.3	8.2
1,4-Dioxane	8.2	U	8.2	210
Bromodichloromethane	1.2	U	0.70	8.2
cis-1,3-Dichloropropene	3.3	U	1.1	8.2
methyl isobutyl ketone	3.3	U	1.1	21
Toluene	2.3	J D	0.70	8.2
trans-1,3-Dichloropropene	3.3	U	0.90	8.2
1,1,2-Trichloroethane	1.2	U	0.70	8.2
Tetrachloroethene	1.2	U	0.66	8.2

Client: FPM Remediations Inc

Job Number: 280-58003-1

Client Sample ID: 774VMP0301KA

Lab Sample ID: 280-58003-3
Client Matrix: Air

Date Sampled: 07/17/2014 0935
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds In Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75517	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8801_010.d
Dilution:	41			Initial Weight/Volume:	50 mL
Analysis Date:	07/31/2014 1846			Final Weight/Volume:	200 mL
Prep Date:	07/31/2014 1846			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Methyl Butyl Ketone (2-Hexanone)	8.2	U	8.2	21
Dibromochloromethane	1.2	U	0.82	8.2
1,2-Dibromoethane	3.3	U	0.82	8.2
Chlorobenzene	1.2	U	0.33	8.2
Ethylbenzene	0.58	J ~~D M~~	0.53	8.2
m,p-Xylene	1.3	J ~~D~~	0.94	21
Xylene, o-	1.2	U	0.66	8.2
Xylene (total)	3.3	U	1.4	8.2
Styrene	1.2	J ~~D~~	0.74	8.2
Bromoform	1.2	U	0.41	8.2
Cumene	1.2	U	0.66	8.2
1,1,2,2-Tetrachloroethane	1.2	U	0.66	8.2
n-Propylbenzene	3.3	U	3.3	8.2
4-Ethyltoluene	1.2	U	0.74	8.2
1,3,5-Trimethylbenzene	1.2	U	0.49	8.2
2-Chlorotoluene	1.2	U	0.53	8.2
tert-Butylbenzene	1.2	U	0.70	8.2
1,2,4-Trimethylbenzene	1.2	U	0.57	8.2
sec-Butylbenzene	3.3	U	3.3	8.2
4-Isopropyltoluene	3.3	U	3.3	8.2
1,3-Dichlorobenzene	1.2	U	0.57	8.2
1,4-Dichlorobenzene	1.2	U	0.57	8.2
Benzyl chloride	3.3	U	3.3	8.2
n-Butylbenzene	3.3	U	3.3	8.2
1,2-Dichlorobenzene	1.2	U	0.57	8.2
1,2,4-Trichlorobenzene	3.3	U	1.1	21
Hexachlorobutadiene	3.3	U	0.90	8.2
Naphthalene	8.2	U	8.2	21

wst 9/14/14

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
Dichlorodifluoromethane	24	J ~~D~~	6.1	100
Freon 22	4000	~~D~~ ~~J~~	7.0	73
1,2-Dichlorotetrafluoroethane	23	U	10	57
Chloromethane	42	U	12	42
n-Butane	49	U	27	49
Vinyl chloride	8.4	U	4.0	21
1,3-Butadiene	7.3	U	3.8	18
Bromomethane	13	U	4.5	32
Chloroethane	8.7	U	3.2	54
Bromoethene(Vinyl Bromide)	14	U	5.4	36
Trichlorofluoromethane	370	~~D~~	6.9	46
Freon TF	9.4	U	5.7	63
1,1-Dichloroethene	13	U	3.9	33
Acetone	170	J ~~D~~	120	490
Isopropyl alcohol	110	J ~~D~~	22	500
Carbon disulfide	26	U	8.4	64

Client: FPM Remediations Inc

Job Number: 280-58003-1

Client Sample ID: **774VMP0301KA**

Lab Sample ID: 280-58003-3
Client Matrix: Air

Date Sampled: 07/17/2014 0935
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds In Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75517	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8801_010.d
Dilution:	41			Initial Weight/Volume:	50 mL
Analysis Date:	07/31/2014 1846			Final Weight/Volume:	200 mL
Prep Date:	07/31/2014 1846			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
3-Chloropropene	10	U	4.4	64
Methylene Chloride	28	U	18	71
tert-Butyl alcohol	62	U	41	620
Methyl tert-butyl ether	12	U	3.3	30
trans-1,2-Dichloroethene	13	U	4.7	33
n-Hexane	12	U	4.9	29
1,1-Dichloroethane	13	U	6.3	33
Methyl Ethyl Ketone	60	U	29	60
cis-1,2-Dichloroethene	13	U	6.2	33
1,2-Dichloroethene, Total	13	U	10	33
Chloroform	16	U	5.0	40
Tetrahydrofuran	9.7	U	5.6	600
1,1,1-Trichloroethane	18	U	4.7	45
Cyclohexane	12	J D M	3.5	28
Carbon tetrachloride	21	U	5.4	52
2,2,4-Trimethylpentane	15	U	5.2	38
Benzene	5.8	J D	2.5	26
1,2-Dichloroethane	5.0	U	2.8	33
n-Heptane	13	U	7.7	34
Trichloroethene	9.2	J D M	5.3	44
Methyl methacrylate	13	U	5.0	84
1,2-Dichloropropane	15	U	6.1	38
1,4-Dioxane	30	U	30	740
Bromodichloromethane	8.2	U	4.7	55
cis-1,3-Dichloropropene	15	U	5.2	37
methyl isobutyl ketone	13	U	4.5	84
Toluene	8.6	J D	2.6	31
trans-1,3-Dichloropropene	15	U	4.1	37
1,1,2-Trichloroethane	6.7	U	3.8	45
Tetrachloroethene	8.3	U	4.4	56
Methyl Butyl Ketone (2-Hexanone)	34	U	34	84
Dibromochloromethane	10	U	7.0	70
1,2-Dibromoethane	25	U	6.3	63
Chlorobenzene	5.7	U	1.5	38
Ethylbenzene	2.5	J D M	2.3	36
m,p-Xylene	5.6	J D	4.1	89
Xylene, o-	5.3	U	2.8	36
Xylene (total)	14	U	6.1	36
Styrene	5.0	J D	3.1	35
Bromoform	13	U	4.2	85
Cumene	6.0	U	3.2	40
1,1,2,2-Tetrachloroethane	8.4	U	4.5	56
n-Propylbenzene	16	U	16	40
4-Ethyltoluene	6.0	U	3.6	40
1,3,5-Trimethylbenzene	6.0	U	2.4	40
2-Chlorotoluene	6.4	U	2.8	42

9/11/14

Client: FPM Remediations Inc

Job Number: 280-58003-1

Client Sample ID: **774VMP0301KA**

Lab Sample ID: 280-58003-3
Client Matrix: Air

Date Sampled: 07/17/2014 0935
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75517	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8801_010.d
Dilution:	41			Initial Weight/Volume:	50 mL
Analysis Date:	07/31/2014 1846			Final Weight/Volume:	200 mL
Prep Date:	07/31/2014 1846			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
tert-Butylbenzene	6.8	U	3.8	45
1,2,4-Trimethylbenzene	6.0	U	2.8	40
sec-Butylbenzene	18	U	18	45
4-Isopropyltoluene	18	U	18	45
1,3-Dichlorobenzene	7.4	U	3.5	49
1,4-Dichlorobenzene	7.4	U	3.5	49
Benzyl chloride	17	U	17	42
n-Butylbenzene	18	U	18	45
1,2-Dichlorobenzene	7.4	U	3.5	49
1,2,4-Trichlorobenzene	24	U	8.2	150
Hexachlorobutadiene	35	U	9.6	87
Naphthalene	43	U	43	110

Client: FPM Remediations Inc

Job Number: 280-58003-1

Client Sample ID: **776VMP0201KC**

Lab Sample ID: 280-58003-4
Client Matrix: Air

Date Sampled: 07/17/2014 1150
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75517	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8801_011.d
Dilution:	2.0			Initial Weight/Volume:	100 mL
Analysis Date:	07/31/2014 1934			Final Weight/Volume:	200 mL
Prep Date:	07/31/2014 1934			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	0.61	J	0.060	1.0
Freon 22	49	J	0.096	1.0
1,2-Dichlorotetrafluoroethane	0.16	U	0.070	0.40
Chloromethane	0.63	J	0.27	1.0
n-Butane	0.63	J	0.56	1.0
Vinyl chloride	0.16	U	0.076	0.40
1,3-Butadiene	0.16	U	0.084	0.40
Bromomethane	0.16	U	0.056	0.40
Chloroethane	0.16	U	0.060	1.0
Bromoethene(Vinyl Bromide)	0.16	U	0.060	0.40
Trichlorofluoromethane	0.27	J	0.060	0.40
Freon TF	0.087	J	0.036	0.40
1,1-Dichloroethene	0.16	U	0.048	0.40
Acetone	16		2.5	10
Isopropyl alcohol	19		0.43	10
Carbon disulfide	0.40	U	0.13	1.0
3-Chloropropene	0.16	U	0.068	1.0
Methylene Chloride	0.40	U	0.25	1.0
tert-Butyl alcohol	1.6	J	0.66	10
Methyl tert-butyl ether	0.087	J	0.044	0.40
trans-1,2-Dichloroethene	0.16	U	0.058	0.40
n-Hexane	0.22	J	0.068	0.40
1,1-Dichloroethane	0.16	U	0.076	0.40
Methyl Ethyl Ketone	2.4		0.48	1.0
cis-1,2-Dichloroethene	0.16	U	0.076	0.40
1,2-Dichloroethene, Total	0.16	U	0.13	0.40
Chloroform	0.068	J	0.050	0.40
Tetrahydrofuran	0.16	U	0.092	10
1,1,1-Trichloroethane	0.16	U	0.042	0.40
Cyclohexane	0.36	J	0.050	0.40
Carbon tetrachloride	0.16	U	0.042	0.40
2,2,4-Trimethylpentane	0.13	J	0.054	0.40
Benzene	0.19	J	0.038	0.40
1,2-Dichloroethane	0.060	U	0.034	0.40
n-Heptane	0.17	J	0.092	0.40
Trichloroethene	0.21	J	0.048	0.40
Methyl methacrylate	0.17	J	0.060	1.0
1,2-Dichloropropane	0.16	U	0.064	0.40
1,4-Dioxane	0.40	U	0.40	10
Bromodichloromethane	0.060	U	0.034	0.40
cis-1,3-Dichloropropene	0.16	U	0.056	0.40
methyl isobutyl ketone	0.28	J	0.054	1.0
Toluene	1.1		0.034	0.40
trans-1,3-Dichloropropene	0.16	U	0.044	0.40
1,1,2-Trichloroethane	0.060	U	0.034	0.40
Tetrachloroethene	0.060	U	0.032	0.40

CLP 9/4/14

Client: FPM Remediations Inc

Job Number: 280-58003-1

Client Sample ID: 776VMP0201KC

Lab Sample ID: 280-58003-4
Client Matrix: Air

Date Sampled: 07/17/2014 1150
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75517	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8801_011.d
Dilution:	2.0			Initial Weight/Volume:	100 mL
Analysis Date:	07/31/2014 1934			Final Weight/Volume:	200 mL
Prep Date:	07/31/2014 1934			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Methyl Butyl Ketone (2-Hexanone)	0.40	U	0.40	1.0
Dibromochloromethane	0.060	U	0.040	0.40
1,2-Dibromoethane	0.16	U	0.040	0.40
Chlorobenzene	0.060	U	0.016	0.40
Ethylbenzene	0.44	Ø	0.026	0.40
m,p-Xylene	1.2	Ø	0.046	1.0
Xylene, o-	0.43	Ø	0.032	0.40
Xylene (total)	1.6		0.068	0.40
Styrene	0.33	JØ	0.036	0.40
Bromoform	0.060	U	0.020	0.40
Cumene	0.068	JØ	0.032	0.40
1,1,2,2-Tetrachloroethane	0.060	U	0.032	0.40
n-Propylbenzene	0.16	U	0.16	0.40
4-Ethyltoluene	0.14	JØ	0.036	0.40
1,3,5-Trimethylbenzene	0.14	JØ	0.024	0.40
2-Chlorotoluene	0.060	U	0.026	0.40
tert-Butylbenzene	0.060	U	0.034	0.40
1,2,4-Trimethylbenzene	0.47	Ø	0.028	0.40
sec-Butylbenzene	0.16	U	0.16	0.40
4-Isopropyltoluene	0.16	U	0.16	0.40
1,3-Dichlorobenzene	1.0	Ø	0.028	0.40
1,4-Dichlorobenzene	0.060	U	0.028	0.40
Benzyl chloride	0.16	U	0.16	0.40
n-Butylbenzene	0.16	U	0.16	0.40
1,2-Dichlorobenzene	0.060	U	0.028	0.40
1,2,4-Trichlorobenzene	0.16	U	0.054	1.0
Hexachlorobutadiene	0.16	U	0.044	0.40
Naphthalene	0.40	U	0.40	1.0

CLK 9/14/14

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
Dichlorodifluoromethane	3.0	JØ	0.30	4.9
Freon 22	170	Ø J	0.34	3.5
1,2-Dichlorotetrafluoroethane	1.1	U	0.49	2.8
Chloromethane	1.3	JØ	0.56	2.1
n-Butane	1.5	JØ	1.3	2.4
Vinyl chloride	0.41	U	0.19	1.0
1,3-Butadiene	0.35	U	0.19	0.88
Bromomethane	0.62	U	0.22	1.6
Chloroethane	0.42	U	0.16	2.6
Bromoethene(Vinyl Bromide)	0.70	U	0.26	1.7
Trichlorofluoromethane	1.5	JØ	0.34	2.2
Freon TF	0.67	JØ	0.28	3.1
1,1-Dichloroethene	0.63	U	0.19	1.6
Acetone	38	Ø	5.9	24
Isopropyl alcohol	47	Ø	1.1	25
Carbon disulfide	1.2	U	0.41	3.1

Client: FPM Remediations Inc

Job Number: 280-58003-1

Client Sample ID: **776VMP0201KC**

Lab Sample ID: 280-58003-4
Client Matrix: Air

Date Sampled: 07/17/2014 1150
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75517	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8801_011.d
Dilution:	2.0			Initial Weight/Volume:	100 mL
Analysis Date:	07/31/2014 1934			Final Weight/Volume:	200 mL
Prep Date:	07/31/2014 1934			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
3-Chloropropene	0.50	U	0.21	3.1
Methylene Chloride	1.4	U	0.87	3.5
tert-Butyl alcohol	5.0	J	2.0	30
Methyl tert-butyl ether	0.32	J	0.16	1.4
trans-1,2-Dichloroethene	0.63	U	0.23	1.6
n-Hexane	0.79	J	0.24	1.4
1,1-Dichloroethane	0.65	U	0.31	1.6
Methyl Ethyl Ketone	7.0		1.4	2.9
cis-1,2-Dichloroethene	0.63	U	0.30	1.6
1,2-Dichloroethene, Total	0.63	U	0.51	1.6
Chloroform	0.33	J	0.24	2.0
Tetrahydrofuran	0.47	U	0.27	29
1,1,1-Trichloroethane	0.87	U	0.23	2.2
Cyclohexane	1.3	J	0.17	1.4
Carbon tetrachloride	1.0	U	0.26	2.5
2,2,4-Trimethylpentane	0.61	J	0.25	1.9
Benzene	0.60	J	0.12	1.3
1,2-Dichloroethane	0.24	U	0.14	1.6
n-Heptane	0.69	J	0.38	1.6
Trichloroethene	1.1	J	0.26	2.1
Methyl methacrylate	0.71	J	0.25	4.1
1,2-Dichloropropane	0.74	U	0.30	1.8
1,4-Dioxane	1.4	U	1.4	36
Bromodichloromethane	0.40	U	0.23	2.7
cis-1,3-Dichloropropene	0.73	U	0.25	1.8
methyl isobutyl ketone	1.2	J	0.22	4.1
Toluene	4.2		0.13	1.5
trans-1,3-Dichloropropene	0.73	U	0.20	1.8
1,1,2-Trichloroethane	0.33	U	0.19	2.2
Tetrachloroethene	0.41	U	0.22	2.7
Methyl Butyl Ketone (2-Hexanone)	1.6	U	1.6	4.1
Dibromochloromethane	0.51	U	0.34	3.4
1,2-Dibromoethane	1.2	U	0.31	3.1
Chlorobenzene	0.28	U	0.075	1.8
Ethylbenzene	1.9		0.11	1.7
m,p-Xylene	5.1		0.20	4.3
Xylene, o-	1.9		0.14	1.7
Xylene (total)	7.1		0.30	1.7
Styrene	1.4	J	0.15	1.7
Bromoform	0.62	U	0.21	4.1
Cumene	0.34	J	0.16	2.0
1,1,2,2-Tetrachloroethane	0.41	U	0.22	2.7
n-Propylbenzene	0.79	U	0.79	2.0
4-Ethyltoluene	0.68	J	0.18	2.0
1,3,5-Trimethylbenzene	0.68	J	0.12	2.0
2-Chlorotoluene	0.31	U	0.13	2.1

crdt 9/4/14

Client: FPM Remediations Inc

Job Number: 280-58003-1

Client Sample ID: 776VMP0201KC

Lab Sample ID: 280-58003-4
Client Matrix: Air

Date Sampled: 07/17/2014 1150
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75517	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8801_011.d
Dilution:	2.0			Initial Weight/Volume:	100 mL
Analysis Date:	07/31/2014 1934			Final Weight/Volume:	200 mL
Prep Date:	07/31/2014 1934			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
tert-Butylbenzene	0.33	U	0.19	2.2
1,2,4-Trimethylbenzene	2.3	~~U~~	0.14	2.0
sec-Butylbenzene	0.88	U	0.88	2.2
4-Isopropyltoluene	0.88	U	0.88	2.2
1,3-Dichlorobenzene	6.3	~~U~~	0.17	2.4
1,4-Dichlorobenzene	0.36	U	0.17	2.4
Benzyl chloride	0.83	U	0.83	2.1
n-Butylbenzene	0.88	U	0.88	2.2
1,2-Dichlorobenzene	0.36	U	0.17	2.4
1,2,4-Trichlorobenzene	1.2	U	0.40	7.4
Hexachlorobutadiene	1.7	U	0.47	4.3
Naphthalene	2.1	U	2.1	5.2

ADT 9/14/14

Client: FPM Remediations Inc

Job Number: 280-58003-1

Client Sample ID: **776VMP0101KA**

Lab Sample ID: 280-58003-5
Client Matrix: Air

Date Sampled: 07/17/2014 1200
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75517	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8801_012.d
Dilution:	1.6			Initial Weight/Volume:	125 mL
Analysis Date:	07/31/2014 2023			Final Weight/Volume:	200 mL
Prep Date:	07/31/2014 2023			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	0.55	J	0.048	0.80
Freon 22	35		0.077	0.80
1,2-Dichlorotetrafluoroethane	0.13	U	0.056	0.32
Chloromethane	0.41	J	0.22	0.80
n-Butane	0.80	U	0.45	0.80
Vinyl chloride	0.13	U	0.061	0.32
1,3-Butadiene	0.13	U	0.067	0.32
Bromomethane	0.13	U	0.045	0.32
Chloroethane	0.13	U	0.048	0.80
Bromoethene(Vinyl Bromide)	0.13	U	0.048	0.32
Trichlorofluoromethane	0.22	J	0.048	0.32
Freon TF	0.082	J	0.029	0.32
1,1-Dichloroethene	0.13	U	0.038	0.32
Acetone	10		2.0	8.0
Isopropyl alcohol	6.2	J	0.34	8.0
Carbon disulfide	0.74	J	0.11	0.80
3-Chloropropene	0.13	U	0.054	0.80
Methylene Chloride	0.32	U	0.20	0.80
tert-Butyl alcohol	0.80	U	0.52	8.0
Methyl tert-butyl ether	0.13	U	0.035	0.32
trans-1,2-Dichloroethene	0.13	U	0.046	0.32
n-Hexane	0.094	J	0.054	0.32
1,1-Dichloroethane	0.13	U	0.061	0.32
Methyl Ethyl Ketone	1.4		0.39	0.80
cis-1,2-Dichloroethene	0.13	U	0.061	0.32
1,2-Dichloroethene, Total	0.13	U	0.10	0.32
Chloroform	0.050	J	0.040	0.32
Tetrahydrofuran	0.13	U	0.074	8.0
1,1,1-Trichloroethane	0.13	U	0.034	0.32
Cyclohexane	0.31	J	0.040	0.32
Carbon tetrachloride	0.074	J	0.034	0.32
2,2,4-Trimethylpentane	0.13	U	0.043	0.32
Benzene	0.082	J	0.030	0.32
1,2-Dichloroethane	0.048	U	0.027	0.32
n-Heptane	0.13	U	0.074	0.32
Trichloroethene	0.13	J	0.038	0.32
Methyl methacrylate	0.13	U	0.048	0.80
1,2-Dichloropropane	0.13	U	0.051	0.32
1,4-Dioxane	0.32	U	0.32	8.0
Bromodichloromethane	0.048	U	0.027	0.32
cis-1,3-Dichloropropene	0.13	U	0.045	0.32
methyl isobutyl ketone	0.068	J	0.043	0.80
Toluene	0.10	J	0.027	0.32
trans-1,3-Dichloropropene	0.13	U	0.035	0.32
1,1,2-Trichloroethane	0.048	U	0.027	0.32
Tetrachloroethene	0.048	U	0.026	0.32

CLH 9/14/14

Client: FPM Remediations Inc

Job Number: 280-58003-1

Client Sample ID: 776VMP0101KA

Lab Sample ID: 280-58003-5
Client Matrix: Air

Date Sampled: 07/17/2014 1200
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75517	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8801_012.d
Dilution:	1.6			Initial Weight/Volume:	125 mL
Analysis Date:	07/31/2014 2023			Final Weight/Volume:	200 mL
Prep Date:	07/31/2014 2023			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Methyl Butyl Ketone (2-Hexanone)	0.32	U	0.32	0.80
Dibromochloromethane	0.048	U	0.032	0.32
1,2-Dibromoethane	0.13	U	0.032	0.32
Chlorobenzene	0.048	U	0.013	0.32
Ethylbenzene	0.048	U	0.021	0.32
m,p-Xylene	0.13	U	0.037	0.80
Xylene, o-	0.048	U	0.026	0.32
Xylene (total)	0.13	U	0.054	0.32
Styrene	0.048	U	0.029	0.32
Bromoform	0.048	U	0.016	0.32
Cumene	0.048	U	0.026	0.32
1,1,2,2-Tetrachloroethane	0.048	U	0.026	0.32
n-Propylbenzene	0.13	U	0.13	0.32
4-Ethyltoluene	0.048	U	0.029	0.32
1,3,5-Trimethylbenzene	0.048	U	0.019	0.32
2-Chlorotoluene	0.048	U	0.021	0.32
tert-Butylbenzene	0.048	U	0.027	0.32
1,2,4-Trimethylbenzene	0.048	U	0.022	0.32
sec-Butylbenzene	0.13	U	0.13	0.32
4-Isopropyltoluene	0.13	U	0.13	0.32
1,3-Dichlorobenzene	0.048	U	0.022	0.32
1,4-Dichlorobenzene	0.048	U	0.022	0.32
Benzyl chloride	0.13	U	0.13	0.32
n-Butylbenzene	0.13	U	0.13	0.32
1,2-Dichlorobenzene	0.048	U	0.022	0.32
1,2,4-Trichlorobenzene	0.13	U	0.043	0.80
Hexachlorobutadiene	0.13	U	0.035	0.32
Naphthalene	0.32	U	0.32	0.80

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
Dichlorodifluoromethane	2.7	J ~~D~~	0.24	4.0
Freon 22	130	~~D~~	0.27	2.8
1,2-Dichlorotetrafluoroethane	0.89	U	0.39	2.2
Chloromethane	0.85	J ~~D~~	0.45	1.7
n-Butane	1.9	U	1.1	1.9
Vinyl chloride	0.33	U	0.16	0.82
1,3-Butadiene	0.28	U	0.15	0.71
Bromomethane	0.50	U	0.17	1.2
Chloroethane	0.34	U	0.13	2.1
Bromoethene(Vinyl Bromide)	0.56	U	0.21	1.4
Trichlorofluoromethane	1.2	J ~~D~~	0.27	1.8
Freon TF	0.63	J ~~D~~	0.22	2.5
1,1-Dichloroethene	0.51	U	0.15	1.3
Acetone	24	~~D~~	4.8	19
Isopropyl alcohol	15	J ~~D~~	0.85	20
Carbon disulfide	2.3	J ~~D~~	0.33	2.5

CLS 9/14/14

Client: FPM Remediations Inc

Job Number: 280-58003-1

Client Sample ID: **776VMP0101KA**

Lab Sample ID: 280-58003-5
Client Matrix: Air

Date Sampled: 07/17/2014 1200
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75517	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8801_012.d
Dilution:	1.6			Initial Weight/Volume:	125 mL
Analysis Date:	07/31/2014 2023			Final Weight/Volume:	200 mL
Prep Date:	07/31/2014 2023			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
3-Chloropropene	0.40	U	0.17	2.5
Methylene Chloride	1.1	U	0.69	2.8
tert-Butyl alcohol	2.4	U	1.6	24
Methyl tert-butyl ether	0.46	U	0.13	1.2
trans-1,2-Dichloroethene	0.51	U	0.18	1.3
n-Hexane	0.33	J	0.19	1.1
1,1-Dichloroethane	0.52	U	0.25	1.3
Methyl Ethyl Ketone	4.0		1.1	2.4
cis-1,2-Dichloroethene	0.51	U	0.24	1.3
1,2-Dichloroethene, Total	0.51	U	0.41	1.3
Chloroform	0.25	J	0.20	1.6
Tetrahydrofuran	0.38	U	0.22	24
1,1,1-Trichloroethane	0.70	U	0.18	1.7
Cyclohexane	1.1	J	0.14	1.1
Carbon tetrachloride	0.47	J	0.21	2.0
2,2,4-Trimethylpentane	0.60	U	0.20	1.5
Benzene	0.26	J	0.097	1.0
1,2-Dichloroethane	0.19	U	0.11	1.3
n-Heptane	0.52	U	0.30	1.3
Trichloroethene	0.71	J	0.21	1.7
Methyl methacrylate	0.52	U	0.20	3.3
1,2-Dichloropropane	0.59	U	0.24	1.5
1,4-Dioxane	1.2	U	1.2	29
Bromodichloromethane	0.32	U	0.18	2.1
cis-1,3-Dichloropropene	0.58	U	0.20	1.5
methyl isobutyl ketone	0.28	J	0.18	3.3
Toluene	0.38	J	0.10	1.2
trans-1,3-Dichloropropene	0.58	U	0.16	1.5
1,1,2-Trichloroethane	0.26	U	0.15	1.7
Tetrachloroethene	0.33	U	0.17	2.2
Methyl Butyl Ketone (2-Hexanone)	1.3	U	1.3	3.3
Dibromochloromethane	0.41	U	0.27	2.7
1,2-Dibromoethane	0.98	U	0.25	2.5
Chlorobenzene	0.22	U	0.060	1.5
Ethylbenzene	0.21	U	0.090	1.4
m,p-Xylene	0.56	U	0.16	3.5
Xylene, o-	0.21	U	0.11	1.4
Xylene (total)	0.56	U	0.24	1.4
Styrene	0.20	U	0.12	1.4
Bromoform	0.50	U	0.17	3.3
Cumene	0.24	U	0.13	1.6
1,1,2,2-Tetrachloroethane	0.33	U	0.18	2.2
n-Propylbenzene	0.63	U	0.63	1.6
4-Ethyltoluene	0.24	U	0.14	1.6
1,3,5-Trimethylbenzene	0.24	U	0.094	1.6
2-Chlorotoluene	0.25	U	0.11	1.7

CLD 9/14/14

Client: FPM Remediations Inc

Job Number: 280-58003-1

Client Sample ID: **776VMP0101KA**

Lab Sample ID: 280-58003-5
Client Matrix: Air

Date Sampled: 07/17/2014 1200
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds In Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75517	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8801_012.d
Dilution:	1.6			Initial Weight/Volume:	125 mL
Analysis Date:	07/31/2014 2023			Final Weight/Volume:	200 mL
Prep Date:	07/31/2014 2023			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
tert-Butylbenzene	0.26	U	0.15	1.8
1,2,4-Trimethylbenzene	0.24	U	0.11	1.6
sec-Butylbenzene	0.70	U	0.70	1.8
4-Isopropyltoluene	0.70	U	0.70	1.8
1,3-Dichlorobenzene	0.29	U	0.13	1.9
1,4-Dichlorobenzene	0.29	U	0.13	1.9
Benzyl chloride	0.66	U	0.66	1.7
n-Butylbenzene	0.70	U	0.70	1.8
1,2-Dichlorobenzene	0.29	U	0.13	1.9
1,2,4-Trichlorobenzene	0.95	U	0.32	5.9
Hexachlorobutadiene	1.4	U	0.38	3.4
Naphthalene	1.7	U	1.7	4.2

Client: FPM Remediations Inc

Job Number: 280-58003-1

Client Sample ID: **776VMP0201KA**

Lab Sample ID: 280-58003-6
Client Matrix: Air

Date Sampled: 07/17/2014 1150
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75517	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8801_013.d
Dilution:	2.0			Initial Weight/Volume:	100 mL
Analysis Date:	07/31/2014 2111			Final Weight/Volume:	200 mL
Prep Date:	07/31/2014 2111			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	0.60	J	0.060	1.0
Freon 22	48		0.096	1.0
1,2-Dichlorotetrafluoroethane	0.16	U	0.070	0.40
Chloromethane	0.61	J	0.27	1.0
n-Butane	0.67	J	0.56	1.0
Vinyl chloride	0.16	U	0.076	0.40
1,3-Butadiene	0.16	U	0.084	0.40
Bromomethane	0.16	U	0.056	0.40
Chloroethane	0.16	U	0.060	1.0
Bromoethene(Vinyl Bromide)	0.16	U	0.060	0.40
Trichlorofluoromethane	0.26	J	0.060	0.40
Freon TF	0.097	J	0.036	0.40
1,1-Dichloroethene	0.16	U	0.048	0.40
Acetone	13		2.5	10
Isopropyl alcohol	19		0.43	10
Carbon disulfide	0.40	U	0.13	1.0
3-Chloropropene	0.16	U	0.068	1.0
Methylene Chloride	0.40	U	0.25	1.0
tert-Butyl alcohol	1.5	J	0.66	10
Methyl tert-butyl ether	0.091	J	0.044	0.40
trans-1,2-Dichloroethene	0.16	U	0.058	0.40
n-Hexane	0.21	J	0.068	0.40
1,1-Dichloroethane	0.16	U	0.076	0.40
Methyl Ethyl Ketone	1.6		0.48	1.0
cis-1,2-Dichloroethene	0.16	U	0.076	0.40
1,2-Dichloroethene, Total	0.16	U	0.13	0.40
Chloroform	0.062	J	0.050	0.40
Tetrahydrofuran	0.16	U	0.092	10
1,1,1-Trichloroethane	0.16	U	0.042	0.40
Cyclohexane	0.34	J M	0.050	0.40
Carbon tetrachloride	0.16	U	0.042	0.40
2,2,4-Trimethylpentane	0.17	J	0.054	0.40
Benzene	0.19	J	0.038	0.40
1,2-Dichloroethane	0.060	U	0.034	0.40
n-Heptane	0.16	U	0.092	0.40
Trichloroethene	0.21	J	0.048	0.40
Methyl methacrylate	0.18	J	0.060	1.0
1,2-Dichloropropane	0.16	U	0.064	0.40
1,4-Dioxane	0.40	U	0.40	10
Bromodichloromethane	0.060	U	0.034	0.40
cis-1,3-Dichloropropene	0.16	U	0.056	0.40
methyl isobutyl ketone	0.23	J	0.054	1.0
Toluene	1.3		0.034	0.40
trans-1,3-Dichloropropene	0.16	U	0.044	0.40
1,1,2-Trichloroethane	0.060	U	0.034	0.40
Tetrachloroethene	0.060	U	0.032	0.40

CWS 9/14/14

Client: FPM Remediations Inc

Job Number: 280-58003-1

Client Sample ID: 776VMP0201KA

Lab Sample ID: 280-58003-6
Client Matrix: Air

Date Sampled: 07/17/2014 1150
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75517	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8801_013.d
Dilution:	2.0			Initial Weight/Volume:	100 mL
Analysis Date:	07/31/2014 2111			Final Weight/Volume:	200 mL
Prep Date:	07/31/2014 2111			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Methyl Butyl Ketone (2-Hexanone)	0.40	U	0.40	1.0
Dibromochloromethane	0.060	U	0.040	0.40
1,2-Dibromoethane	0.16	U	0.040	0.40
Chlorobenzene	0.060	U	0.016	0.40
Ethylbenzene	0.48	J	0.026	0.40
m,p-Xylene	1.3	J	0.046	1.0
Xylene, o-	0.48	J	0.032	0.40
Xylene (total)	1.8		0.068	0.40
Styrene	0.37	J	0.036	0.40
Bromoform	0.060	U	0.020	0.40
Cumene	0.068	J	0.032	0.40
1,1,2,2-Tetrachloroethane	0.060	U	0.032	0.40
n-Propylbenzene	0.16	U	0.16	0.40
4-Ethyltoluene	0.17	J	0.036	0.40
1,3,5-Trimethylbenzene	0.15	J	0.024	0.40
2-Chlorotoluene	0.060	U	0.026	0.40
tert-Butylbenzene	0.060	U	0.034	0.40
1,2,4-Trimethylbenzene	0.55	J	0.028	0.40
sec-Butylbenzene	0.16	U	0.16	0.40
4-Isopropyltoluene	0.16	U	0.16	0.40
1,3-Dichlorobenzene	1.3	J	0.028	0.40
1,4-Dichlorobenzene	0.060	U	0.028	0.40
Benzyl chloride	0.16	U	0.16	0.40
n-Butylbenzene	0.16	U	0.16	0.40
1,2-Dichlorobenzene	0.060	U	0.028	0.40
1,2,4-Trichlorobenzene	0.16	U	0.054	1.0
Hexachlorobutadiene	0.16	U	0.044	0.40
Naphthalene	0.40	U	0.40	1.0

CLK 9/14/14

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
Dichlorodifluoromethane	3.0	J	0.30	4.9
Freon 22	170	J	0.34	3.5
1,2-Dichlorotetrafluoroethane	1.1	U	0.49	2.8
Chloromethane	1.3	J	0.56	2.1
n-Butane	1.6	J	1.3	2.4
Vinyl chloride	0.41	U	0.19	1.0
1,3-Butadiene	0.35	U	0.19	0.88
Bromomethane	0.62	U	0.22	1.6
Chloroethane	0.42	U	0.16	2.6
Bromoethene(Vinyl Bromide)	0.70	U	0.26	1.7
Trichlorofluoromethane	1.5	J	0.34	2.2
Freon TF	0.74	J	0.28	3.1
1,1-Dichloroethene	0.63	U	0.19	1.6
Acetone	32	J	5.9	24
Isopropyl alcohol	48	J	1.1	25
Carbon disulfide	1.2	U	0.41	3.1

Client: FPM Remediations Inc

Job Number: 280-58003-1

Client Sample ID: **776VMP0201KA**

Lab Sample ID: 280-58003-6
Client Matrix: Air

Date Sampled: 07/17/2014 1150
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75517	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8801_013.d
Dilution:	2.0			Initial Weight/Volume:	100 mL
Analysis Date:	07/31/2014 2111			Final Weight/Volume:	200 mL
Prep Date:	07/31/2014 2111			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
3-Chloropropene	0.50	U	0.21	3.1
Methylene Chloride	1.4	U	0.87	3.5
tert-Butyl alcohol	4.6	J	2.0	30
Methyl tert-butyl ether	0.33	J	0.16	1.4
trans-1,2-Dichloroethene	0.63	U	0.23	1.6
n-Hexane	0.73	J	0.24	1.4
1,1-Dichloroethane	0.65	U	0.31	1.6
Methyl Ethyl Ketone	4.6		1.4	2.9
cis-1,2-Dichloroethene	0.63	U	0.30	1.6
1,2-Dichloroethene, Total	0.63	U	0.51	1.6
Chloroform	0.30	J	0.24	2.0
Tetrahydrofuran	0.47	U	0.27	29
1,1,1-Trichloroethane	0.87	U	0.23	2.2
Cyclohexane	1.2	J	0.17	1.4
Carbon tetrachloride	1.0	U	0.26	2.5
2,2,4-Trimethylpentane	0.80	J	0.25	1.9
Benzene	0.59	J	0.12	1.3
1,2-Dichloroethane	0.24	U	0.14	1.6
n-Heptane	0.66	U	0.38	1.6
Trichloroethene	1.1	J	0.26	2.1
Methyl methacrylate	0.74	J	0.25	4.1
1,2-Dichloropropane	0.74	U	0.30	1.8
1,4-Dioxane	1.4	U	1.4	36
Bromodichloromethane	0.40	U	0.23	2.7
cis-1,3-Dichloropropene	0.73	U	0.25	1.8
methyl isobutyl ketone	0.93	J	0.22	4.1
Toluene	4.8		0.13	1.5
trans-1,3-Dichloropropene	0.73	U	0.20	1.8
1,1,2-Trichloroethane	0.33	U	0.19	2.2
Tetrachloroethene	0.41	U	0.22	2.7
Methyl Butyl Ketone (2-Hexanone)	1.6	U	1.6	4.1
Dibromochloromethane	0.51	U	0.34	3.4
1,2-Dibromoethane	1.2	U	0.31	3.1
Chlorobenzene	0.28	U	0.075	1.8
Ethylbenzene	2.1		0.11	1.7
m,p-Xylene	5.8		0.20	4.3
Xylene, o-	2.1		0.14	1.7
Xylene (total)	7.7		0.30	1.7
Styrene	1.6	J	0.15	1.7
Bromoform	0.62	U	0.21	4.1
Cumene	0.33	J	0.16	2.0
1,1,2,2-Tetrachloroethane	0.41	U	0.22	2.7
n-Propylbenzene	0.79	U	0.79	2.0
4-Ethyltoluene	0.81	J	0.18	2.0
1,3,5-Trimethylbenzene	0.74	J	0.12	2.0
2-Chlorotoluene	0.31	U	0.13	2.1

CMH 9/14/14

Client: FPM Remediations Inc

Job Number: 280-58003-1

Client Sample ID: **776VMP0201KA**

Lab Sample ID: 280-58003-6
Client Matrix: Air

Date Sampled: 07/17/2014 1150
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75517	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8801_013.d
Dilution:	2.0			Initial Weight/Volume:	100 mL
Analysis Date:	07/31/2014 2111			Final Weight/Volume:	200 mL
Prep Date:	07/31/2014 2111			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
tert-Butylbenzene	0.33	U	0.19	2.2
1,2,4-Trimethylbenzene	2.7	~~D~~	0.14	2.0
sec-Butylbenzene	0.88	U	0.88	2.2
4-Isopropyltoluene	0.88	U	0.88	2.2
1,3-Dichlorobenzene	7.8	~~D~~	0.17	2.4
1,4-Dichlorobenzene	0.36	U	0.17	2.4
Benzyl chloride	0.83	U	0.83	2.1
n-Butylbenzene	0.88	U	0.88	2.2
1,2-Dichlorobenzene	0.36	U	0.17	2.4
1,2,4-Trichlorobenzene	1.2	U	0.40	7.4
Hexachlorobutadiene	1.7	U	0.47	4.3
Naphthalene	2.1	U	2.1	5.2

CMS
9/14/14

Client: FPM Remediations Inc

Job Number: 280-58003-1

Client Sample ID: **776VMP0301KA**

Lab Sample ID: 280-58003-7
Client Matrix: Air

Date Sampled: 07/17/2014 1210
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75517	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8801_014.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	07/31/2014 2202			Final Weight/Volume:	200 mL
Prep Date:	07/31/2014 2202			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	0.57		0.030	0.50
Freon 22	14		0.048	0.50
1,2-Dichlorotetrafluoroethane	0.080	U	0.035	0.20
Chloromethane	0.64		0.14	0.50
n-Butane	0.29	J	0.28	0.50
Vinyl chloride	0.080	U	0.038	0.20
1,3-Butadiene	0.080	U	0.042	0.20
Bromomethane	0.029	J	0.028	0.20
Chloroethane	0.035	J	0.030	0.50
Bromoethene(Vinyl Bromide)	0.080	U	0.030	0.20
Trichlorofluoromethane	0.23		0.030	0.20
Freon TF	0.075	J	0.018	0.20
1,1-Dichloroethene	0.080	U	0.024	0.20
Acetone	11		1.3	5.0
Isopropyl alcohol	7.6		0.22	5.0
Carbon disulfide	0.64		0.066	0.50
3-Chloropropene	0.080	U	0.034	0.50
Methylene Chloride	0.17	J	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	0.069	J	0.034	0.20
1,1-Dichloroethane	0.080	U	0.038	0.20
Methyl Ethyl Ketone	1.4		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	0.090	J	0.025	0.20
Tetrahydrofuran	0.080	U	0.046	5.0
1,1,1-Trichloroethane	0.080	U	0.021	0.20
Cyclohexane	0.34		0.025	0.20
Carbon tetrachloride	0.080	U	0.021	0.20
2,2,4-Trimethylpentane	0.034	J	0.027	0.20
Benzene	0.096	J	0.019	0.20
1,2-Dichloroethane	0.067	J	0.017	0.20
n-Heptane	0.084	J	0.046	0.20
Trichloroethene	0.64		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	0.22	J	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	0.28	J	0.027	0.50
Toluene	0.23		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

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Client: FPM Remediations Inc

Job Number: 280-58003-1

Client Sample ID: **776VMP0301KA**

Lab Sample ID: 280-58003-7
Client Matrix: Air

Date Sampled: 07/17/2014 1210
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75517	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8801_014.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	07/31/2014 2202			Final Weight/Volume:	200 mL
Prep Date:	07/31/2014 2202			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Methyl Butyl Ketone (2-Hexanone)	0.20	U M	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	0.092	J	0.013	0.20
m,p-Xylene	0.23	J	0.023	0.50
Xylene, o-	0.079	J	0.016	0.20
Xylene (total)	0.31		0.034	0.20
Styrene	0.10	J	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	0.025	J	0.018	0.20
1,3,5-Trimethylbenzene	0.022	J M	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	0.072	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	0.23	J	0.20	0.50

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
Dichlorodifluoromethane	2.8		0.15	2.5
Freon 22	50		0.17	1.8
1,2-Dichlorotetrafluoroethane	0.56	U	0.24	1.4
Chloromethane	1.3		0.28	1.0
n-Butane	0.69	J	0.67	1.2
Vinyl chloride	0.20	U	0.097	0.51
1,3-Butadiene	0.18	U	0.093	0.44
Bromomethane	0.11	J	0.11	0.78
Chloroethane	0.093	J	0.079	1.3
Bromoethene(Vinyl Bromide)	0.35	U	0.13	0.87
Trichlorofluoromethane	1.3		0.17	1.1
Freon TF	0.57	J	0.14	1.5
1,1-Dichloroethene	0.32	U	0.095	0.79
Acetone	26		3.0	12
Isopropyl alcohol	19		0.53	12
Carbon disulfide	2.0		0.21	1.6

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Client: FPM Remediations Inc

Job Number: 280-58003-1

Client Sample ID: **776VMP0301KA**

Lab Sample ID: 280-58003-7
Client Matrix: Air

Date Sampled: 07/17/2014 1210
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75517	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8801_014.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	07/31/2014 2202			Final Weight/Volume:	200 mL
Prep Date:	07/31/2014 2202			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
3-Chloropropene	0.25	U	0.11	1.6
Methylene Chloride	0.58	J	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	0.24	J M	0.12	0.70
1,1-Dichloroethane	0.32	U	0.15	0.81
Methyl Ethyl Ketone	4.0		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	0.44	J	0.12	0.98
Tetrahydrofuran	0.24	U	0.14	15
1,1,1-Trichloroethane	0.44	U	0.11	1.1
Cyclohexane	1.2		0.086	0.69
Carbon tetrachloride	0.50	U	0.13	1.3
2,2,4-Trimethylpentane	0.16	J	0.13	0.93
Benzene	0.31	J	0.061	0.64
1,2-Dichloroethane	0.27	J	0.069	0.81
n-Heptane	0.34	J	0.19	0.82
Trichloroethene	3.5		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	0.79	J	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	1.1	J	0.11	2.0
Toluene	0.88		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 M	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	0.40	J	0.056	0.87
m,p-Xylene	0.99	J	0.10	2.2
Xylene, o-	0.34	J	0.069	0.87
Xylene (total)	1.3		0.15	0.87
Styrene	0.43	J	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	0.12	J	0.088	0.98
1,3,5-Trimethylbenzene	0.11	J M	0.059	0.98
2-Chlorotoluene	0.16	U	0.067	1.0

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Client: FPM Remediations Inc

Job Number: 280-58003-1

Client Sample ID: 776VMP0301KA

Lab Sample ID: 280-58003-7
Client Matrix: Air

Date Sampled: 07/17/2014 1210
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75517	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8801_014.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	07/31/2014 2202			Final Weight/Volume:	200 mL
Prep Date:	07/31/2014 2202			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
tert-Butylbenzene	0.16	U	0.093	1.1
1,2,4-Trimethylbenzene	0.36	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	1.2	J	1.0	2.6

Client: FPM Remediations Inc

Job Number: 280-58003-1

Client Sample ID: **774IA1LA**

Lab Sample ID: 280-58003-8
Client Matrix: Air

Date Sampled: 07/17/2014 0840
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75271	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8696_013.d
Dilution:	2.5			Initial Weight/Volume:	141 mL
Analysis Date:	07/24/2014 2008			Final Weight/Volume:	200 mL
Prep Date:	07/24/2014 2008			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	0.59	J Ø	0.075	1.3
Freon 22	94	Ø	0.12	1.3
1,2-Dichlorotetrafluoroethane	0.20	U	0.088	0.50
Chloromethane	0.59	J Ø	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	3.2	Ø	0.075	0.50
Freon TF	0.075	U	0.045	0.50
1,1-Dichloroethene	0.20	U	0.060	0.50
Acetone	7.6	J Ø	3.1	13
Isopropyl alcohol	4.6	J Ø	0.54	13
Carbon disulfide	0.50	U	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	0.096	J Ø	0.085	0.50
1,1-Dichloroethane	0.20	U	0.095	0.50
Methyl Ethyl Ketone	1.2	J Ø	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	0.20	U	0.063	0.50
Tetrahydrofuran	0.20	U	0.12	13
1,1,1-Trichloroethane	0.20	U	0.053	0.50
Cyclohexane	0.20	U	0.063	0.50
Carbon tetrachloride	0.077	J Ø	0.053	0.50
2,2,4-Trimethylpentane	0.20	U	0.068	0.50
Benzene	0.074	J Ø M	0.048	0.50
1,2-Dichloroethane	0.075	U	0.043	0.50
n-Heptane	0.20	U	0.12	0.50
Trichloroethene	0.20	U	0.060	0.50
Methyl methacrylate	0.20	U	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	0.20	U	0.068	1.3
Toluene	0.17	J Ø	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	0.075	U	0.040	0.50

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Client: FPM Remediations Inc

Job Number: 280-58003-1

Client Sample ID: 774IA1LA

Lab Sample ID: 280-58003-8
Client Matrix: Air

Date Sampled: 07/17/2014 0840
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75271	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8696_013.d
Dilution:	2.5			Initial Weight/Volume:	141 mL
Analysis Date:	07/24/2014 2008			Final Weight/Volume:	200 mL
Prep Date:	07/24/2014 2008			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	0.052	J	0.033	0.50
m,p-Xylene	0.10	J	0.058	1.3
Xylene, o-	0.075	U	0.040	0.50
Xylene (total)	0.10	J	0.085	0.50
Styrene	0.10	J	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	0.075	U	0.045	0.50
1,3,5-Trimethylbenzene	0.075	U	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	0.040	J	0.035	0.50
sec-Butylbenzene	0.20	U	0.20	0.50
4-Isopropyltoluene	0.20	U	0.20	0.50
1,3-Dichlorobenzene	0.075	U	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

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Analyte	Result (ug/m3)	Qualifier	DL	LOQ
Dichlorodifluoromethane	2.9	J	0.37	6.2
Freon 22	330		0.42	4.4
1,2-Dichlorotetrafluoroethane	1.4	U	0.61	3.5
Chloromethane	1.2	J	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	18		0.42	2.8
Freon TF	0.57	U	0.34	3.8
1,1-Dichloroethene	0.79	U	0.24	2.0
Acetone	18	J	7.4	30
Isopropyl alcohol	11	J	1.3	31
Carbon disulfide	1.6	U	0.51	3.9

Client: FPM Remediations Inc

Job Number: 280-58003-1

Client Sample ID: 774IA1LA

Lab Sample ID: 280-58003-8
Client Matrix: Air

Date Sampled: 07/17/2014 0840
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75271	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8696_013.d
Dilution:	2.5			Initial Weight/Volume:	141 mL
Analysis Date:	07/24/2014 2008			Final Weight/Volume:	200 mL
Prep Date:	07/24/2014 2008			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	0.34	J Ø	0.30	1.8
1,1-Dichloroethane	0.81	U	0.38	2.0
Methyl Ethyl Ketone	3.5	J Ø	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	0.98	U	0.31	2.4
Tetrahydrofuran	0.59	U	0.34	37
1,1,1-Trichloroethane	1.1	U	0.29	2.7
Cyclohexane	0.69	U	0.22	1.7
Carbon tetrachloride	0.49	J Ø	0.33	3.1
2,2,4-Trimethylpentane	0.93	U	0.32	2.3
Benzene	0.24	J Ø M	0.15	1.6
1,2-Dichloroethane	0.30	U	0.17	2.0
n-Heptane	0.82	U	0.47	2.0
Trichloroethene	1.1	U	0.32	2.7
Methyl methacrylate	0.82	U	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	0.82	U	0.28	5.1
Toluene	0.65	J Ø	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	0.51	U	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	0.23	J Ø	0.14	2.2
m,p-Xylene	0.45	J Ø	0.25	5.4
Xylene, o-	0.33	U	0.17	2.2
Xylene (total)	0.43	J	0.37	2.2
Styrene	0.43	J Ø	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	0.37	U	0.22	2.5
1,3,5-Trimethylbenzene	0.37	U	0.15	2.5
2-Chlorotoluene	0.39	U	0.17	2.6

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Client: FPM Remediations Inc

Job Number: 280-58003-1

Client Sample ID: **774IA1LA**

Lab Sample ID: 280-58003-8
Client Matrix: Air

Date Sampled: 07/17/2014 0840
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75271	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8696_013.d
Dilution:	2.5			Initial Weight/Volume:	141 mL
Analysis Date:	07/24/2014 2008			Final Weight/Volume:	200 mL
Prep Date:	07/24/2014 2008			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
tert-Butylbenzene	0.41	U	0.23	2.7
1,2,4-Trimethylbenzene	0.20	J	0.17	2.5
sec-Butylbenzene	1.1	U	1.1	2.7
4-Isopropyltoluene	1.1	U	1.1	2.7
1,3-Dichlorobenzene	0.45	U	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

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Client: FPM Remediations Inc

Job Number: 280-58003-1

Client Sample ID: **774776OA1LA**

Lab Sample ID: 280-58003-9
Client Matrix: Air

Date Sampled: 07/17/2014 0900
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75211	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8677_016.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	07/23/2014 2014			Final Weight/Volume:	200 mL
Prep Date:	07/23/2014 2014			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	0.56		0.030	0.50
Freon 22	0.26	J	0.048	0.50
1,2-Dichlorotetrafluoroethane	0.080	U	0.035	0.20
Chloromethane	0.50		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	0.24		0.030	0.20
Freon TF	0.030	U	0.018	0.20
1,1-Dichloroethene	0.080	U	0.024	0.20
Acetone	3.8	J	1.3	5.0
Isopropyl alcohol	0.40	J	0.22	5.0
Carbon disulfide	0.16	J	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	0.76		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	0.076	J	0.021	0.20
2,2,4-Trimethylpentane	0.080	U	0.027	0.20
Benzene	0.050	J	0.019	0.20
1,2-Dichloroethane	0.030	U	0.017	0.20
n-Heptane	0.080	U	0.046	0.20
Trichloroethene	0.099	J M	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	0.027	J	0.027	0.50
Toluene	0.097	J	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

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Client: FPM Remediations Inc

Job Number: 280-58003-1

Client Sample ID: **774776OA1LA**

Lab Sample ID: 280-58003-9
Client Matrix: Air

Date Sampled: 07/17/2014 0900
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75211	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8677_016.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	07/23/2014 2014			Final Weight/Volume:	200 mL
Prep Date:	07/23/2014 2014			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	0.046	J	0.023	0.50
Xylene, o-	0.030	U	0.016	0.20
Xylene (total)	0.046	J	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	0.80		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	0.022	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	2.8		0.15	2.5
Freon 22	0.94	J	0.17	1.8
1,2-Dichlorotetrafluoroethane	0.56	U	0.24	1.4
Chloromethane	1.0		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	1.3		0.17	1.1
Freon TF	0.23	U	0.14	1.5
1,1-Dichloroethene	0.32	U	0.095	0.79
Acetone	9.1	J	3.0	12
Isopropyl alcohol	0.98	J	0.53	12
Carbon disulfide	0.50	J	0.21	1.6

Client: FPM Remediations Inc

Job Number: 280-58003-1

Client Sample ID: **774776OA1LA**

Lab Sample ID: 280-58003-9
Client Matrix: Air

Date Sampled: 07/17/2014 0900
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75211	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8677_016.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	07/23/2014 2014			Final Weight/Volume:	200 mL
Prep Date:	07/23/2014 2014			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	2.2		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	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	0.48	J	0.13	1.3
2,2,4-Trimethylpentane	0.37	U	0.13	0.93
Benzene	0.16	J	0.061	0.64
1,2-Dichloroethane	0.12	U	0.069	0.81
n-Heptane	0.33	U	0.19	0.82
Trichloroethene	0.53	J	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	0.11	J	0.11	2.0
Toluene	0.37	J	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	0.20	J	0.10	2.2
Xylene, o-	0.13	U	0.069	0.87
Xylene (total)	0.20	J	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	5.5		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

9/14/14

Client: FPM Remediations Inc

Job Number: 280-58003-1

Client Sample ID: **774776OA1LA**

Lab Sample ID: 280-58003-9
Client Matrix: Air

Date Sampled: 07/17/2014 0900
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75211	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8677_016.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	07/23/2014 2014			Final Weight/Volume:	200 mL
Prep Date:	07/23/2014 2014			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
tert-Butylbenzene	0.16	U	0.093	1.1
1,2,4-Trimethylbenzene	0.11	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

Client: FPM Remediations Inc

Job Number: 280-58003-1

Client Sample ID: **776IA1LA**

Lab Sample ID: 280-58003-10
Client Matrix: Air

Date Sampled: 07/17/2014 0850
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75211	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8677_017.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	07/23/2014 2108			Final Weight/Volume:	200 mL
Prep Date:	07/23/2014 2108			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	0.63		0.030	0.50
Freon 22	8.4		0.048	0.50
1,2-Dichlorotetrafluoroethane	0.080	U	0.035	0.20
Chloromethane	0.63		0.14	0.50
n-Butane	0.33	J	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	0.26		0.030	0.20
Freon TF	0.030	U	0.018	0.20
1,1-Dichloroethene	0.080	U	0.024	0.20
Acetone	8.4		1.3	5.0
Isopropyl alcohol	6.2		0.22	5.0
Carbon disulfide	0.26	J	0.066	0.50
3-Chloropropene	0.080	U	0.034	0.50
Methylene Chloride	0.18	J	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	0.67		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	0.060	J	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	J	0.021	0.20
2,2,4-Trimethylpentane	0.080	U	0.027	0.20
Benzene	0.057	J	0.019	0.20
1,2-Dichloroethane	0.067	J	0.017	0.20
n-Heptane	0.080	U	0.046	0.20
Trichloroethene	0.18	J	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	0.35	J	0.027	0.50
Toluene	0.30		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

Client: FPM Remediations Inc

Job Number: 280-58003-1

Client Sample ID: **776IA1LA**

Lab Sample ID: 280-58003-10
Client Matrix: Air

Date Sampled: 07/17/2014 0850
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds In Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75211	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8677_017.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	07/23/2014 2108			Final Weight/Volume:	200 mL
Prep Date:	07/23/2014 2108			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	0.072	J	0.0081	0.20
Ethylbenzene	0.10	J	0.013	0.20
m,p-Xylene	0.25	J	0.023	0.50
Xylene, o-	0.082	J	0.016	0.20
Xylene (total)	0.33		0.034	0.20
Styrene	0.081	J	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	0.018	J	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	0.065	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	3.1		0.15	2.5
Freon 22	30		0.17	1.8
1,2-Dichlorotetrafluoroethane	0.56	U	0.24	1.4
Chloromethane	1.3		0.28	1.0
n-Butane	0.77	J	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	1.5		0.17	1.1
Freon TF	0.23	U	0.14	1.5
1,1-Dichloroethene	0.32	U	0.095	0.79
Acetone	20		3.0	12
Isopropyl alcohol	15		0.53	12
Carbon disulfide	0.82	J	0.21	1.6

Client: FPM Remediations Inc

Job Number: 280-58003-1

Client Sample ID: **776IA1LA**

Lab Sample ID: 280-58003-10
Client Matrix: Air

Date Sampled: 07/17/2014 0850
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75211	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8677_017.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	07/23/2014 2108			Final Weight/Volume:	200 mL
Prep Date:	07/23/2014 2108			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
3-Chloropropene	0.25	U	0.11	1.6
Methylene Chloride	0.64	J	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	2.0		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	0.29	J	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	0.51	J	0.13	1.3
2,2,4-Trimethylpentane	0.37	U	0.13	0.93
Benzene	0.18	J	0.061	0.64
1,2-Dichloroethane	0.27	J	0.069	0.81
n-Heptane	0.33	U	0.19	0.82
Trichloroethene	0.95	J	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	1.5	J	0.11	2.0
Toluene	1.1		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	0.33	J	0.037	0.92
Ethylbenzene	0.45	J	0.056	0.87
m,p-Xylene	1.1	J	0.10	2.2
Xylene, o-	0.36	J	0.069	0.87
Xylene (total)	1.4		0.15	0.87
Styrene	0.35	J	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	0.090	J	0.088	0.98
1,3,5-Trimethylbenzene	0.15	U	0.059	0.98
2-Chlorotoluene	0.16	U	0.067	1.0

Client: FPM Remediations Inc

Job Number: 280-58003-1

Client Sample ID: **776IA1LA**

Lab Sample ID: 280-58003-10
Client Matrix: Air

Date Sampled: 07/17/2014 0850
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75211	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8677_017.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	07/23/2014 2108			Final Weight/Volume:	200 mL
Prep Date:	07/23/2014 2108			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
tert-Butylbenzene	0.16	U	0.093	1.1
1,2,4-Trimethylbenzene	0.32	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

Client: FPM Remediations Inc

Job Number: 280-58003-1

Client Sample ID: **774776CA01KA**

Lab Sample ID: 280-58003-11
Client Matrix: Air

Date Sampled: 07/16/2014 1145
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75271	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8696_014.d
Dilution:	5.0			Initial Weight/Volume:	40 mL
Analysis Date:	07/24/2014 2056			Final Weight/Volume:	200 mL
Prep Date:	07/24/2014 2056			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	1.4	J Ø	0.15	2.5
Freon 22	150	Ø	0.24	2.5
1,2-Dichlorotetrafluoroethane	0.40	U	0.18	1.0
Chloromethane	0.81	J Ø	0.68	2.5
n-Butane	2.5	U	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	4.3	Ø	0.15	1.0
Freon TF	0.15	U	0.090	1.0
1,1-Dichloroethene	0.40	U	0.12	1.0
Acetone	27	Ø	6.3	25
Isopropyl alcohol	4.2	J Ø	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	0.40	U	0.17	1.0
1,1-Dichloroethane	0.40	U	0.19	1.0
Methyl Ethyl Ketone	1.6	J Ø	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	0.90	J Ø	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	0.24	J Ø	0.11	1.0
2,2,4-Trimethylpentane	0.40	U	0.14	1.0
Benzene	0.20	J Ø	0.095	1.0
1,2-Dichloroethane	0.15	U	0.085	1.0
n-Heptane	0.40	U	0.23	1.0
Trichloroethene	18	Ø	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	0.40	U	0.14	2.5
Toluene	0.19	J Ø	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	0.24	J Ø	0.080	1.0

CLH 9/14/14

Client: FPM Remediations Inc

Job Number: 280-58003-1

Client Sample ID: **774776CA01KA**

Lab Sample ID: 280-58003-11
Client Matrix: Air

Date Sampled: 07/16/2014 1145
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds In Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75271	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8696_014.d
Dilution:	5.0			Initial Weight/Volume:	40 mL
Analysis Date:	07/24/2014 2056			Final Weight/Volume:	200 mL
Prep Date:	07/24/2014 2056			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	0.073	J Ø	0.065	1.0
m,p-Xylene	0.12	J Ø	0.12	2.5
Xylene, o-	0.15	U	0.080	1.0
Xylene (total)	0.40	U	0.17	1.0
Styrene	0.15	U	0.090	1.0
Bromoform	0.15	U	0.050	1.0
Cumene	0.20	J Ø	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	0.15	U	0.090	1.0
1,3,5-Trimethylbenzene	0.15	U	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	0.15	U	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	6.9	J Ø	0.74	12
Freon 22	510	Ø	0.85	8.8
1,2-Dichlorotetrafluoroethane	2.8	U	1.2	7.0
Chloromethane	1.7	J Ø	1.4	5.2
n-Butane	5.9	U	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	24	Ø	0.84	5.6
Freon TF	1.1	U	0.69	7.7
1,1-Dichloroethene	1.6	U	0.48	4.0
Acetone	63	Ø	15	59
Isopropyl alcohol	10	J Ø	2.6	61
Carbon disulfide	3.1	U	1.0	7.8

CWA 9/14/14

Client: FPM Remediations Inc

Job Number: 280-58003-1

Client Sample ID: **774776CA01KA**

Lab Sample ID: 280-58003-11
Client Matrix: Air

Date Sampled: 07/16/2014 1145
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75271	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8696_014.d
Dilution:	5.0			Initial Weight/Volume:	40 mL
Analysis Date:	07/24/2014 2056			Final Weight/Volume:	200 mL
Prep Date:	07/24/2014 2056			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	1.4	U	0.60	3.5
1,1-Dichloroethane	1.6	U	0.77	4.0
Methyl Ethyl Ketone	4.7	J Ø	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	4.4	J Ø	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	1.5	J Ø	0.66	6.3
2,2,4-Trimethylpentane	1.9	U	0.63	4.7
Benzene	0.65	J Ø	0.30	3.2
1,2-Dichloroethane	0.61	U	0.34	4.0
n-Heptane	1.6	U	0.94	4.1
Trichloroethene	97	Ø	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	1.6	U	0.55	10
Toluene	0.72	J Ø	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	1.6	J Ø	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	0.32	J Ø	0.28	4.3
m,p-Xylene	0.50	J Ø	0.50	11
Xylene, o-	0.65	U	0.35	4.3
Xylene (total)	1.7	U	0.74	4.3
Styrene	0.64	U	0.38	4.3
Bromoform	1.6	U	0.52	10
Cumene	0.98	J Ø	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	0.74	U	0.44	4.9
1,3,5-Trimethylbenzene	0.74	U	0.29	4.9
2-Chlorotoluene	0.78	U	0.34	5.2

CLD 9/14/14

Client: FPM Remediations Inc

Job Number: 280-58003-1

Client Sample ID: **774776CA01KA**

Lab Sample ID: 280-58003-11
Client Matrix: Air

Date Sampled: 07/16/2014 1145
Date Received: 07/21/2014 1400

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-75271	Instrument ID:	CHW.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	8696_014.d
Dilution:	5.0			Initial Weight/Volume:	40 mL
Analysis Date:	07/24/2014 2056			Final Weight/Volume:	200 mL
Prep Date:	07/24/2014 2056			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
tert-Butylbenzene	0.82	U	0.47	5.5
1,2,4-Trimethylbenzene	0.74	U	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