DEPARTMENT OF THE AIR FORCE
AIR FORCE CIVIL ENGINEER CENTER

November 19, 2015

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SUBJECT: Final 2nd Quarter/ 2015 Operations and Maintenance Report for the Soil Vapor Extraction System at ST006 Building 101 AOC
Former Griffiss Air Force Base (AFB) Rome, New York
Contract Number FA8903-10-D-8595
Delivery Order 0014
November 2015

Accompanying this letter please find the "Final 2nd Quarter/ 2015 Operations and Maintenance Report for the Soil Vapor Extraction System at ST006 Building 101 AOC". This version of the report incorporates data through June 2015. The draft report was submitted on September 28, 2015.

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

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FINAL

2ND QUARTER/2015 OPERATION AND MAINTENANCE REPORT
SOIL VAPOR EXTRACTION SYSTEM
ST006 (BUILDING 101 AOC)

FORMER GRIFFISS AIR FORCE BASE SITE
ROME, NEW YORK

Prepared for:

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LIST OF ACRONYMS AND ABBREVIATIONS

acfm	actual cubic feet per minute
AFB	Air Force Base
AFCEC	Air Force Civil Engineer Center
AOC	Area of Concern
BADP	Battery Acid Disposal Pit
BADrP	Battery Acid Drainage Pit
bgs	below grade surface
FPM	FPM Remediations, Inc.
GAC	Granular Activated Carbon
inch w.g.	inches of water column
J	The analyte was positively identified; the quantitation is an estimation
µg/m^3	microgram per cubic meter
O&M	Operations and Maintenance
SVE	Soil Vapor Extraction
SVI	Soil Vapor Intrusion
TCE	trichloroethene
USEPA	Unites States Environmental Protection Agency
VMP	Vapor Monitoring Point
VOCs	volatile organic compounds

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1 INTRODUCTION

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

1.1 Purpose

The SVE system was installed in 2013 based on the 2013 Site Closure Evaluation (CAPE/FPM, September 2013). The objective of the system is to eliminate the potential Soil Vapor Intrusion (SVI) and to achieve site closure with unrestricted use at the ST006 (Building 101 AOC). This O&M report is prepared to document the O&M activities for the 2nd Quarter of 2015 (April 2015 through June 2015). All activities were performed in accordance with the O&M Manual provided as Attachment 1 in the SVE System Installation and Start-up Completion Report (CAPE/FPM, March 2014). The Updated 2015 Uniform Federal Policy Quality Assurance Project Plan for Performance Based-Remediation at the Former Griffiss AFB (CAPE/FPM, May 2015) and Health and Safety Plan for Performance Based-Remediation at the Former Griffiss AFB (CAPE/FPM, June 2015) were also adhered to.

2 SITE INFORMATION

2.1 Site Location and History

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

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

The ST006 (Building 101 AOC) consists of a former Battery Acid Disposal Pit (BADP) and a former Battery Acid Drainage Pit (BADrP) (Figure 2 and Figure 3). The former BADP was located in the central portion of the building in an area designated as the Lead Battery Room. The BADP was in use from the early 1940s until 1985, when it was excavated. The BADP consisted of a pit beneath the concrete floor measuring approximately 2 feet long by 2 feet wide by 10 feet deep and was covered with a steel grate. Acids from spent batteries were neutralized with baking soda and poured into the BADP, where the neutralized liquid was allowed to

percolate into the underlying soil. A 4-inch floor drain and overflow piping from the BADP ran west to the BADrP located beyond the west wall of the Lead Battery Room. The BADrP was approximately 17.5 feet long by 5.5 feet wide. Following removal of the BADP, a new 4-inch floor drain was installed at the former BADP location and piped to the BADrP. The BADrP was removed along with underlying soils in 1997. The former BADrP location was backfilled and sealed with concrete.

2.2 2006 and 2007 Soil Vapor Intrusion Evaluation

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

2.3 Record of Decision

The Final Record of Decision (Air Force, September 2012) identified that the majority of soil and groundwater contamination has been removed from the ST006 (Building 101 AOC). The selected remedy is Land use Control/Institutional Controls in the form of land use restrictions limiting future use to industrial/commercial purposes and re-evaluation for SVI if new construction is performed in the SVI restriction area. The SVI restriction area is shown in Figure 3, as the former battery room (including BADP) and the former BADrP.

2.4 2013 Site Closure Evaluation and TCE Delineation Sampling

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

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

2.5 SVE System Installation

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

The baseline sampling event was conducted on October 17, 2013 and October 22, 2013 and consisted of sub-slab vapor, indoor air, and outdoor air sampling. All samples were analyzed for VOCs using the USEPA Method TO-15. An influent sample was also collected following system start-up on October 22, 2013. That sample was collected from a sampling port on the exhaust stack prior to the vapor treatment system. Results showed TCE concentrations above the sub-slab vapor screening level of 70 µg/m^3 at all three VMPs. The concentrations ranged from 76 µg/m^3 to 540 µg/m^3. Exceedances reported in the indoor air or outdoor air samples are attributed to chemicals currently used in the building to perform maintenance, including repair and overhaul of airplanes. Sub-slab vapor results are presented in Table 2, Indoor and Outdoor Air results are presented in Table 3, and the Influent sample results are presented in Table 4.

2.6 SVE System Operation and Maintenance

O&M includes weekly system component readings (system temperature, flow, vacuum and motor status), knock-out tank inspections, quarterly VMP vacuum measurements, and GAC disposal and replacement every four months. In addition, indoor and outdoor air sampling, sub-slab vapor sampling, and influent sampling are conducted quarterly at locations illustrated in Figure 3. Table 5 includes the SVE System O&M schedule and rationale. The following section describes the O&M activities performed post SVE system installation. All O&M sub-slab vapor, indoor and outdoor air, and influent air results discussed below are presented in Table 2, Table 3, and Table 4, respectively.

2.6.1 4th Quarter / Calendar Year 2013 (October - December)

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

quarter. An influent sample was collected during system startup. The TCE concentration in the influent sample was 100 µg/m^3.

2.6.2 1st Quarter / Calendar Year 2014 (January - March)

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

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

The two 200-pound GAC drums for the vapor treatment system were replaced on March 4, 2014. The waste inventory tracking sheet is provided in Appendix A.

2.6.2.1 Soil Vapor Monitoring

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

- 101VMP-1 – 17 µg/m^3
- 101VMP-2 – 18 J µg/m^3 (J - The analyte was positively identified; the quantitation is an estimation).
- 101VMP-3 – 36 µg/m^3

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

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

2.6.3 2nd Quarter / Calendar Year 2014 (April - June)

System flow rates ranged from 16.88 acfm to 18.72 acfm and the vacuum readings ranged from 9 to 10 inch w.g. during this quarter. Additional sub-slab vacuum readings were collected at 101VMP-2 and -3 nine times. Readings were collected once at 101VMP-1 as it is located in a restricted access area. The vacuum reading was 0.015 inch w.g at 101VMP-1, and the vacuum readings ranged from 0.075 to 0.15 inch w.g. at 101VMP-2 and from 0.01 to 0.02 inch w.g. at 101VMP-3.

The two 200-pound GAC drums for the vapor treatment system were not replaced this quarter based on a 4-month replacement schedule.

2.6.3.1 Soil Vapor Monitoring

Sub-slab vapor, indoor and outdoor air sampling occurred on April 16, 2014. TCE was not detected in the indoor or outdoor air samples. The sub-slab TCE concentrations were as follows:

- 101VMP-1 – 18 µg/m^3
- 101VMP-2 – 130 µg/m^3
- 101VMP-3 – 50 µg/m^3

The sub-slab TCE concentration in 101VMP-2 was above vapor screening levels for a residential use scenario. All other sub-slab vapor results were below vapor screening levels for a residential use scenario.

Influent sampling occurred on April 15, 2014 prior to sub-slab vapor sampling to determine effective SVE. The influent sampling location was installed on the SVE system's exhaust stack before carbon treatment. The TCE concentration detected in the influent sample was 45 µg/m^3.

2.6.4 3rd Quarter / Calendar Year 2014 (July - September)

System flow rates ranged from 12.42 acfm to 19.32 acfm and the vacuum readings ranged from 9 to 10 inch w.g. during this quarter. Additional sub-slab vacuum readings were collected at all three VMPs. The vacuum reading was measured at 0.02 inch w.g at 101VMP-1, and the readings ranged from 0.08 to 0.10 inch w.g. at 101VMP-2 and from 0 to 0.02 inch w.g. at 101VMP-3.

The two 200-pound GAC drums for the vapor treatment system were replaced on July 3, 2014.

2.6.4.1 Soil Vapor Monitoring

Sub-slab vapor, indoor and outdoor air sampling occurred on July 16, 2014. TCE was not detected in the indoor or outdoor air samples. The sub-slab TCE concentrations were as follows:

- 101VMP-1 – 8.4 µg/m^3
- 101VMP-2 – 180 µg/m^3
- 101VMP-3 – 54 µg/m^3

The sub-slab TCE concentration in 101VMP-2 was above vapor screening levels for a residential use scenario. All other sub-slab vapor results were below vapor screening levels for a residential use scenario.

Influent sampling occurred on July 1, 2014 prior to sub-slab vapor sampling to determine effective SVE. The influent sampling location was installed on the SVE system's exhaust stack

before carbon treatment. The TCE concentration detected in the influent sample was 49 µg/m^3. In addition, an effluent sample was also collected on July 1, 2014 to verify the previously calculated GAC system lifespan. The TCE concentration was 4.9 µg/m^3. This detection indicates a slight TCE breakthrough due to decreased adsorption capacity in the GAC after four months.

2.6.5 4th Quarter / Calendar Year 2014 (October - December)

System flow rates ranged from 16.77 acfm to 17.66 acfm and the vacuum readings ranged from 9 to 10 inch w.g. during this quarter. The vacuum readings and system flow rates collected in previous three quarters and this quarter are illustrated on Figure 5 and Figure 6, respectively. Additional sub-slab vacuum readings were collected at all three VMPs. The vacuum reading was measured at 0.01 inch w.g at 101VMP-1, and the readings ranged from 0.08 to 0.095 inch w.g. at 101VMP-2 and from 0.005 to 0.01 inch w.g. at 101VMP-3. The vacuum readings are provided in Table 6.

The two 200-pound GAC drums for the vapor treatment system were replaced on December 18, 2014. The waste inventory tracking sheet is provided in Appendix A.

2.6.5.1 Soil Vapor Monitoring

Sub-slab vapor, indoor and outdoor air sampling occurred on October 15, 2014. All Daily Chemical Quality Controls Reports completed during this event are provided in Appendix C. TCE was not detected in the indoor or outdoor air samples. The sub-slab TCE concentrations were as follows:

- 101VMP-1 – 20 µg/m^3
- 101VMP-2 – 130 µg/m^3
- 101VMP-3 – 39 µg/m^3

The sub-slab TCE concentration in 101VMP-2 was above vapor screening levels for a residential use scenario. All other sub-slab vapor results were below vapor screening levels for a residential use scenario.

Influent sampling occurred on October 15, 2014 prior to sub-slab vapor sampling to determine effective SVE. The influent sampling location was installed on the SVE system's exhaust stack before carbon treatment. The TCE concentration detected in the influent sample was 53 µg/m^3.

2.6.6 1st Quarter / Calendar Year 2015 (January - March)

System flow rates ranged from 14.75 acfm to 17.62 acfm and the vacuum readings ranged from 8 to 10 inch w.g. during this quarter. Additional sub-slab vacuum readings were collected at 101VMP-2 and -3. The vacuum readings were all 0.08 inch w.g. at 101VMP-2 and ranged from 0.01 to 0.02 inch w.g. at 101VMP-3. No vacuum readings were collected at 101VMP-1 due to restricted access to the location.

The GAC drums were not replaced during this quarter.

2.6.6.1 Soil Vapor Monitoring

Sub-slab vapor, indoor and outdoor air sampling occurred on January 21, 2015. TCE was not detected in the indoor or outdoor air samples. The sub-slab TCE concentrations were as follows:

- 101VMP-1 – 60 µg/m^3
- 101VMP-2 – 87 J µg/m^3 (J - The analyte was positively identified; the quantitation is an estimation).
- 101VMP-3 – 20 µg/m^3

The sub-slab TCE concentration in 101VMP-2 was above vapor screening levels for a residential use scenario. All other sub-slab vapor results were below vapor screening levels for a residential use scenario. Benzene and ethylbenzene were detected in exceedance of the indoor air screening levels during this quarter's sampling event. However, these chemicals are used throughout the building as confirmed in the product inventory conducted for the 2013 SVI Evaluation and were eliminated as COCs that did not originate from the sub-surface (CAPE/FPM, September 2013).

Influent sampling occurred on January 20, 2015 prior to sub-slab vapor sampling to determine effective SVE. The influent sampling location was installed on the SVE system's exhaust stack before carbon treatment. The TCE concentration detected in the influent sample was 48 µg/m^3.

2.6.7 2nd Quarter / Calendar Year 2015 (April - June)

System flow rates ranged from 12.48 acfm to 17.59 acfm and the vacuum readings were 10 inch w.g. during this quarter. The vacuum readings and system flow rates collected in previous four quarters and this quarter are illustrated on Figure 5 and Figure 6, respectively. Additional sub-slab vacuum readings were collected at 101VMP-1, -2, and -3. The vacuum readings ranged from 0.01 to 0.02 inch w.g at 101VMP-1, were all 0.08 inch w.g. at 101VMP-2, and were all 0.01 inch w.g. at 101VMP-3. The vacuum readings are provided in Table 6. The O&M field forms are presented in Appendix B.

The two 200-pound GAC drums for the vapor treatment system were replaced on June 22, 2015. The waste inventory tracking sheet is provided in Appendix A.

2.6.7.1 Soil Vapor Monitoring

Sub-slab vapor, indoor and outdoor air sampling occurred on April 23, 2015. All Daily Chemical Quality Controls Reports completed during this event are provided in Appendix C. TCE was not detected in the indoor or outdoor air samples. The sub-slab TCE concentrations were as follows:

- 101VMP-1 – 42 µg/m^3
- 101VMP-2 – 120 µg/m^3
- 101VMP-3 – 34 µg/m^3

The sub-slab TCE concentration in 101VMP-2 was above vapor screening levels for a residential use scenario. Ethylbenzene was also detected above the vapor screening level at 101VMP-2. The concentration was 390 µg/m^3 (the vapor screening level is 323 µg/m^3). All other sub-slab vapor results were below vapor screening levels for a residential use scenario. Figure 7 shows the sub-slab TCE vapor trend chart. Figure 8 illustrates the TCE concentrations and associated VMPs. All raw lab data and validated lab data are provided in Appendix D and Appendix E, respectively. Based on the evaluation of all information in the analytical data groups, the results have been verified to be 100% usable. Sub-slab vapor sample results are presented in Table 2 and Indoor and Outdoor Air sample results are presented in Table 3. Benzene and ethylbenzene were detected in exceedance of the indoor air screening levels during this quarter's sampling event. These chemicals are used throughout the building as confirmed in the product inventory conducted for the 2013 SVI Evaluation and were eliminated as COCs that did not originate from the sub-surface (CAPE/FPM, September 2013).

Influent sampling occurred on April 22, 2014 prior to sub-slab vapor sampling to determine effective SVE. The influent sampling location was installed on the SVE system's exhaust stack before carbon treatment. The TCE concentration detected in the influent sample was 46 µg/m^3. The influent sampling results are also presented in Table 4.

3 CONCLUSIONS

O&M activities conducted during this period of performance for the ST006 (Building 101 AOC) SVE system included weekly system component readings (system temperature, flow, vacuum, motor status, and knock-out tank inspection) and quarterly sub-slab vapor vacuum readings and sub-slab vapor, indoor air, outdoor air, and influent sampling. Vacuum readings collected during this quarter show that influence from the system is still present up to 30-ft from the extraction well. The highest vacuum readings collected during O&M activities for each quarter, together with the analytical results, are shown on Figure 8. The 2Q/2015 sub-slab vapor sampling results indicate that the TCE concentration at location 101VMP-2 was above the vapor screening levels. Based on the original delineation of the site, this location is next to the highest concentrations of residual sub-slab vapor. During SVE system operation, the sub-slab vapor migrates towards the extraction well and therefore pockets of higher concentrations are migrating past 101VMP-2. Once all residual sub-slab vapors have been extracted, it is expected that the sub-slab vapor concentrations in 101VMP-2 will decrease. The sampling results from 101VMP-1 and -3 showed TCE concentrations were below screening levels. TCE was not detected in the indoor or outdoor air samples.

Contaminant mass removal has been estimated using the baseline and O&M influent air sampling results. An estimated 218 grams of VOCs have been extracted and treated from the sub-slab at ST006 (Building 101 AOC). The table including the influent concentrations, average flow rate and influent mass removal on a per day basis is provided in Appendix F.

4 RECOMMENDATIONS

Continued operation of the SVE system is recommended. The system has been in operation since October 2013. System shut-down and rebound will be evaluated if the July 2015 (3Q/2015) sampling results show that all TCE concentrations are below sub-slab screening levels. The rebound evaluation will consist of two quarterly sampling events. If TCE concentrations remain below sub-slab screening levels for both events, site closure will be recommended. The system will be re-started if TCE concentrations increase to above the sub-slab screening levels during the rebound evaluation.

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5 REFERENCES

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

CAPE/FPM/AECOM, Final 2015 Update Health and Safety Plan for Performance Based-Remediation at the former Griffiss AFB, New York, June 2015.

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

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

CAPE/FPM, Draft 2015 Updated Final Uniform Federal Policy Quality Assurance Project Plan for Performance Based-Remediation at the former Griffiss AFB, New York, May 2015.

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

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Tables

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

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

Notes:

Sub-slab vapor screening levels were derived from the EPA risk-based indoor air concentrations (EPA, November 2012) using a sub-slab vapor-to-indoor air attenuation factor ($AF_{s/ia}$)

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

NA- not available

TR- Target Risk

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

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

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

Sample Location	Sub-Slab Vapor Screening Level (Residential) (µg/m³)	101VMP-01						
Sample ID		101VMP0101AA	101VMP0101BA	101VMP0101CA	101VMP0101DA	101VMP0101EA	101VMP0101FA	101VMP0101GA
Sample Type		Sub-slab	Sub-slab	Sub-slab	Sub-slab	Sub-slab	Sub-slab	Sub-slab
Sample Date		22-Oct-2013	29-Jan-2014	16-Apr-2014	16-Jul-2014	15-Oct-2014	21-Jan-2015	23-Apr-2015
Sample Depth (ft bgs / ags)		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
Volatiles (TO-15) in µg/m³								
1,1,1-Trichloroethane	173,333	3.9 J	U	U	U	1 J	1.1 J	0.79 J
1,1,2,2-Tetrachloroethane	16	U	U	U	6.8	U	U	U
1,1- Dichloroethane		U	U	U	U	U	U	0.13 J♦
1,2,4-Trichlorobenzene	70	U	U	1.7 J	0.31 J♦	U	U	U
1,2,4-Trimethylbenzene	243.3	15	4.5 ♦	4.9	4.7 ♦	4.7	4.4	1.3 J
1,2-Dichlorobenzene	NA	U	U	U	U	U	U	U
1,3,5-Trimethylbenzene	NA	4.3	1.3 J	1.5 J	1.4 ♦	1.5 J	1.3 J	0.38 J
1,3-Dichlorobenzene	NA	280	38 ♦	27	16 ♦	6.7 ♦	U	1.1 J
2,2,4-Trimethylpentane	NA	7.6	U	2.5 J	1.2 ♦	0.7 J ♦	0.36 J	0.6 J♦
4-Ethyltoluene	NA	5.3	1.5 J	1.5 J♦	1.4 ♦	1.6 J	1.4 J	0.35 J
4-Isopropyltoluene	NA	1.4 J	U	U	0.47 J♦	1.9 J	U	U
Acetone	1,066,667	350	320 ♦	280 ♦	22	150	88	49 ♦
Benzene	103.33	15	1.3 J♦	1.2 J	1.2 ♦	0.89 J	0.84 J	1.2
Bromodichloromethane	NA	U	U	U	U	U	0.71 J	0.59 J
Bromoform	NA	UQ	U	U	0.11 J♦	U	U	U
Carbon disulfide	24,333	23	U	1.3 J♦	2.2	2.9 J	2.0 J	4.5 ♦
Carbon tetrachloride	136.67	1.2 J	U	0.68 J	0.67 J♦	0.74 J	0.83 J	0.76 J
Chlorobenzene	NA	U	U	U	0.61 J♦	0.94 J	U	U
Chloroform	36.67	24	18♦	14	12 ♦	25	140	93
Chloromethane	3,133	0.78 J	U	U	0.42 J	U	0.97 J	U
Cumene (isopropylbenzene)	14,000	2.1 J	0.65J	0.81 J	0.65 J♦	0.61 J	0.38 J	U
Cyclohexane	210,000	39	3.1 ♦	U	2.5 ♦	1.5 J ♦	0.32 J	1.1
Dichlorodifluoromethane	3,333	3.6 J	3 J♦	3.7 J♦	2.5 ♦	2.3 J	2.8 J	2.5 J
Ethylbenzene	323.3	24	4.2 ♦	3.0 J	4.9 ♦	4.7	1.9	0.84 J
Freon 22 (chlorodifluoromethane)	1,733,333	4.5 J	U	1.9 JM	1.1 J♦	1.5 J ♦	2.2 J	1.6 J
Freon TF (trichlorotrifluoroethane)	1,033,333	2.9 J	U	U	0.72 J♦	U	0.74 J	0.72 J♦
Hexachlorobutadiene	NA	U	U	U	0.35 J♦	U	U	U
Isopropyl alcohol	243,333	6,900 J	130 ♦	46 J	33	49 ♦	26	8.4 J♦
m,p-Xylene	3,333	94	13	9.3	16 ♦	1.5 J	7.6	2.6 ♦
Methyl Butyl Ketone (2-Hexanone)	1,033	U	U	U	0.95 J	U	U	0.74 J♦
Methyl Ethyl Ketone	173,333	700 J	39♦	48 ♦	16	22 ♦	68	49
methyl isobutyl ketone	103,333	U	2.2 J♦	5.2 J♦	1.5 J♦	U	2.3 J	U
Methyl methacrylate	NA	U	1 J	2.2 J	1.8 J♦	1.5 J	U	U
Methyl tert-butyl ether	NA	U	U	1.9 J	0.74 ♦	0.49 J ♦	U	U
Methylene Chloride	2,100	3.1 J	2 J♦	U	1.2 J	U	0.89 J	1.5 J
Naphthalene	24	U	U	U	1.4 J♦	U	0.56 J	U
n-Butane	NA	16	8.4 ♦	13	0.67 J♦	U	6.3	21 ♦
n-Heptane	NA	16	3.3 M♦	U	U	U	0.56 J	1.5
n-Hexane	24,333	34	1.7 JM♦	2.7 J	1.0 ♦	1.7 J	0.81 J	2.6 ♦
n-Propylbenzene	33,333	3.4 J	U	U	1.0 ♦	0.99 J	0.97 J	0.25 J
Styrene	33,333	2.4 J	3.8	4.1	2.9 ♦	2 J	1.6	1.8
tert-Butyl alcohol	NA	U	9.7 J	21 J	7.3 J♦	5.2 J ♦	U	3.9 J♦
Tetrachloroethene	1,400	2.2 J	U	U	0.83 J♦	0.85 J	U	0.25 J♦
Tetrahydrofuran	70,000	3,100 J	43 J ♦	49 J♦	17 ♦	28 J ♦	140	160
Toluene	173,333	300	21	17	14 ♦	44	12	7.9 ♦
trans-1,2-Dichloroethene	2,100	1.4 J	U	U	U	U	U	U
Trichloroethene	70	540	17 ♦	18 ♦	8.4 ♦	20	60	42
Trichlorofluoromethane	24,333	9.9	5.2 ♦	3.6 J♦	2.0 ♦	2.4 J	5.1	4.6
Vinyl chloride	NA	U	U	U	U	U	U	U
Xylene, o-	3,333	27	4.5	3.4 J	4.7 ♦	4.9	3	0.96 ♦

Notes:
Exceedance of screening level.
♦-Denotes higher nominal value of duplicate sample result.
J- The analyte was positively identified; the quantitation is an estimation.
B- The result for the analyte was detected in the trip blank.
M - A matrix effect was present.
U- Undetected at the Limit of Detection.
NA- not available
µg/m˙- microgram per cubic meter.

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

Sample Location	Sub-Slab Vapor Screening Level (Residential) (µg/m³)	101VMP-02						
Sample ID		101VMP0201AA	101VMP0201BA	101VMP0201CA	101VMP0201DA	101VMP0201EA	101VMP0201FA	101VMP0201GA
Sample Type		Sub-slab	Sub-slab	Sub-slab	Sub-slab	Sub-slab	Sub-slab	Sub-slab
Sample Date		22-Oct-2013	29-Jan-2014	16-Apr-2014	16-Jul-2014	15-Oct-2014	21-Jan-2015	23-Apr-2015
Sample Depth (ft bgs / ags)		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
Volatiles (TO-15) in µg/m³								
1,1,1-Trichloroethane	173,333	U	U	U	U	U	U	U
1,1,2,2-Tetrachloroethane	16	U	U	U	U	U	U	U
1,1- Dichloroethane		U	U	U	U	U	U	U
1,2,4-Trichlorobenzene	70	U	U	U	U	U	0.51 J	U
1,2,4-Trimethylbenzene	243.3	12	5.1 J	24	11	68	2.7 J♦	36
1,2-Dichlorobenzene	NA	U	U	8	U	U	U	U
1,3,5-Trimethylbenzene	NA	3.6 J	12 J	11	6.9 J	39	1.5 J♦	20
1,3-Dichlorobenzene	NA	130	26	U	U	U	U	U
2,2,4-Trimethylpentane	NA	10	U	2.7 M	U	U	0.70 J	U
4-Ethyltoluene	NA	4.3 J	4.1 J	8.8	6.2 J	26	1.3 J	15
4-Isopropyltoluene	NA	U	U	2.3 J	U	U	U	2.6 J
Acetone	1,066,667	3,100 J	760	98	58 J	51 J	45 ♦	41 J
Benzene	103.33	22	7.3 J	2.7	2.9 J	8.2	8.6 ♦	3.3
Bromodichloromethane	NA	U	U	U	U	U	U	U
Bromoform	NA	UQ	U	U	U	U	U	U
Carbon disulfide	24,333	110	28	20	9.6 J	14 J	11 ♦	5.7 J
Carbon tetrachloride	136.67	U	U	0.51	U	U	1.0 J♦	U
Chlorobenzene	NA	U	U	U	U	U	U	U
Chloroform	36.67	21	U	0.65 JM	U	U	0.63 J♦	U
Chloromethane	3,133	2.1 J	U	U	U	U	U	U
Cumene (isopropylbenzene)	14,000	U	U	U	U	U	1.3 J♦	U
Cyclohexane	210,000	54	U	U	U	U	U	U
Dichlorodifluoromethane	3,333	3.9 J	U	3.1 J	3.2 J	U	3.1 J♦	2.3 J
Ethylbenzene	323.3	19	140	190	210	910	170 J♦	390
Freon 22 (chlorodifluoromethane)	1,733,333	3.6 J	U	2.2 J	3.5 J	3.4 J	2.4 J♦	1.4 J
Freon TF (trichlorotrifluoroethane)	1,033,333	U	U	U	U	U	0.85 J	U
Hexachlorobutadiene	NA	U	U	U	U	U	U	U
Isopropyl alcohol	243,333	14,000 J	160 J	38	U	8.8 J	22 J	7.9 J
m,p-Xylene	3,333	73	470	640	720	2,800	560 J♦	1600
Methyl Butyl Ketone (2-Hexanone)	1,033	U	U	U	U	U	U	U
Methyl Ethyl Ketone	173,333	2,400 J	1,200	140	160	U	13 ♦	33
methyl isobutyl ketone	103,333	U	5.4 J	7.4	3.2 J	U	U	4.3 J
Methyl methacrylate	NA	U	U	0.55 J	U	U	U	U
Methyl tert-butyl ether	NA	U	U	U	U	U	U	U
Methylene Chloride	2,100	4.1 J	7.9 J	U	U	U	1.5 J♦	3.7 J
Naphthalene	24	U	U	U	U	U	U	U
n-Butane	NA	22	U	U	U	U	2.2 J	U
n-Heptane	NA	19	U	U	U	U	1.9 J♦	U
n-Hexane	24,333	53	U	U	U	U	1.1 J	U
n-Propylbenzene	33,333	2.7 J	U	U	U	U	U	U
Styrene	33,333	1.8 J	5.2 J	U	5.5 J	22	U	6.4
tert-Butyl alcohol	NA	U	U	U	U	U	2.8 J♦	U
Tetrachloroethene	1,400	U	U	4.0 M	12	10 J	3.5 J♦	10
Tetrahydrofuran	70,000	10,000 J	2,000	210	660	700	290 J♦	140
Toluene	173,333	240	170	140	120	540	220 J♦	170
trans-1,2-Dichloroethene	2,100	U	U	U	U	U	U	U
Trichloroethene	70	82	18 J	130	180	130	87 J♦	120
Trichlorofluoromethane	24,333	7.7 J	4.8 J	3.4	4.9 J	6 J	5.9 ♦	3.4 J
Vinyl chloride	NA	U	U	U	U	U	U	U
Xylene, o-	3,333	20	130	220	200	1,100	120 J♦	460

Notes:
Exceedance of screening level.
♦-Denotes higher nominal value of duplicate sample result.
J- The analyte was positively identified; the quantitation is an estimation.
B- The result for the analyte was detected in the trip blank.
M - A matrix effect was present.
U- Undetected at the Limit of Detection.
NA- not available
µg/m˙- microgram per cubic meter.

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

Sample Location	Sub-Slab Vapor Screening Level (Residential) (µg/m³)	101VMP-03						
Sample ID		101VMP0301AA	101VMP0301BA	101VMP0301CA	101VMP0301DA	101VMP0301EA	101VMP0301FA	101VMP0301GA
Sample Type		Sub-slab	Sub-slab	Sub-slab	Sub-slab	Sub-slab	Sub-slab	Sub-slab
Sample Date		22-Oct-2013	29-Jan-2014	16-Apr-2014	16-Jul-2014	15-Oct-2014	21-Jan-15	23-Apr-15
Sample Depth (ft bgs / ags)		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
Volatiles (TO-15) in µg/m³								
1,1,1-Trichloroethane	173,333	U	U	U	U	U	U	U
1,1,2,2-Tetrachloroethane	16	U	U	U	U	U	U	U
1,1- Dichloroethane		U	U	U	U	U	U	U
1,2,4-Trichlorobenzene	70	U	U	U	U	U	U	U
1,2,4-Trimethylbenzene	243.3	11 J♦	8.5 J	1.1 J	6.4 J	5 J	U	U
1,2-Dichlorobenzene	NA	U	U	U	U	U	U	U
1,3,5-Trimethylbenzene	NA	U	U	U	U	U	U	U
1,3-Dichlorobenzene	NA	170 ♦	15 J	1.9 J	2.1 J	U	U	U
2,2,4-Trimethylpentane	NA	U	U	U	U	U	U	U
4-Ethyltoluene	NA	U	U	U	U	U	U	U
4-Isopropyltoluene	NA	U	U	U	U	U	U	U
Acetone	1,066,667	640 ♦	700	310	490	330	450 J	370
Benzene	103.33	23 J♦	U	U	2.4 J	U	U	U
Bromodichloromethane	NA	U	U	U	U	U	U	U
Bromoform	NA	UQ	U	U	U	U	U	U
Carbon disulfide	24,333	110	7 J	U	32 J	7.1 J	14 J	U
Carbon tetrachloride	136.67	U	U	U	U	U	U	U
Chlorobenzene	NA	U	U	U	U	U	U	U
Chloroform	36.67	U	U	U	U	U	U	U
Chloromethane	3,133	U	U	U	U	U	U	U
Cumene (isopropylbenzene)	14,000	U	U	U	U	U	U	U
Cyclohexane	210,000	29 ♦	U	U	U	U	U	U
Dichlorodifluoromethane	3,333	U	U	U	U	U	U	U
Ethylbenzene	323.3	29 J♦	24 J	9.9 J	31	31	19 J	21 J
Freon 22 (chlorodifluoromethane)	1,733,333	U	U	U	4.1 J	U	U	U
Freon TF (trichlorotrifluoroethane)	1,033,333	U	U	U	U	U	U	U
Hexachlorobutadiene	NA	U	U	U	U	U	U	U
Isopropyl alcohol	243,333	13,000 J♦	U	22 J	U	21 J	40 J	U
m,p-Xylene	3,333	95 ♦	92	33 J	130	130	68 J	80
Methyl Butyl Ketone (2-Hexanone)	1,033	U	U	U	U	U	U	U
Methyl Ethyl Ketone	173,333	1,100 ♦	1,300	540	770	540	620	590
methyl isobutyl ketone	103,333	U	400	230	660	500	300	330
Methyl methacrylate	NA	U	U	U	U	U	U	U
Methyl tert-butyl ether	NA	U	U	U	U	U	U	U
Methylene Chloride	2,100	36 J♦	U	U	U	U	U	U
Naphthalene	24	U	U	U	U	U	U	U
n-Butane	NA	11 J♦	U	U	U	U	U	U
n-Heptane	NA	12 J♦	U	U	U	U	U	U
n-Hexane	24,333	24 J♦	U	U	U	U	U	U
n-Propylbenzene	33,333	U	U	U	U	U	U	U
Styrene	33,333	U	8.7 J	U	13 J	19 J	8.1 J	12 J
tert-Butyl alcohol	NA	13 J♦	U	U	U	U	U	U
Tetrachloroethene	1,400	32 J♦	23 J	29	31 J	27 J	11 J	20 J
Tetrahydrofuran	70,000	25,000 J	3,500 J	1,300	2,300	1,900	2400	2200
Toluene	173,333	3,900 ♦	1,100	500	1,400	1,500	1100	920
trans-1,2-Dichloroethene	2,100	U	U	U	U	U	U	U
Trichloroethene	70	76 ♦	36	50	54	39	20 J	34
Trichlorofluoromethane	24,333	U	U	3.4 J	U	U	U	U
Vinyl chloride	NA	U	U	U	U	U	U	U
Xylene, o-	3,333	27 J♦	37	10 J	44	48	21 J	30

Notes:
Exceedance of screening level.
♦-Denotes higher nominal value of duplicate sample result.
J- The analyte was positively identified; the quantitation is an estimation.
B- The result for the analyte was detected in the trip blank.
M - A matrix effect was present.
U- Undetected at the Limit of Detection.
NA- not available
µg/m˙- microgram per cubic meter.

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

Sample Location	Indoor Air Screening Level (Residential) ($\mu g/m^3$)	101IA-03						
Sample ID		**101IA0305AA**	**101IA0305AA**	**101IA0305CA**	**101IA0305DA**	**101IA0305EA**	**101IA0305FA**	**101IA0305GA**
Sample Type		**Indoor**	**Indoor**	**Indoor**	**Indoor**	**Indoor**	**Indoor**	**Indoor**
Sample Date		**22-Oct-2013**	**29-Jan-2014**	**15-Apr-2014**	**16-Jul-2014**	**15-Oct-2014**	**21-Jan-2015**	**23-Apr-2015**
Sample Depth (ft bgs / ags)		**5**	**5**	**5**	**5**	**5**	**5**	**5**
Sample Collection Duration (hr)		**24**	**24**	**24**	**24**	**24**	**24**	**24**
Volatiles (TO-15) in $\mu g/m^3$								
1,2,4-Trimethylbenzene	7.3	23	3.6 J	3.5 J	0.48 J	2.1	4.3 J	2.2 J
1,3,5-Trimethylbenzene	NA	6.9	U	1.3 J	0.15 J	0.34 J	U	U
1,3-Butadiene	NA	0.26 J	U	U	U	U	U	U
1,4-Dichlorobenzene	NA	U	U	U	U	U	U	U
1,4-Dioxane	NA	U	U	U	U	3.7 J	U	U
2,2,4-Trimethylpentane	NA	2.3	U	5.9	0.78 J	0.85 J	U	U
4-Ethyltoluene	NA	6.1	U	0.80 J	1.2	0.5 J	U	U
4-Isopropyltoluene	NA	0.61 J	U	U	U	U	U	U
Acetone	32,000	470 J	570	300	34	19	970	510
Benzene	0.31	1.9	1.6 J	1.2 J	1.1	0.31 J	2.0 J	1.7 J
Bromoethene(Vinyl Bromide)	NA	U	U	U	U	U	U	U
Carbon disulfide	730	2.7	U	U	4.6	1.9 J	U	U
Carbon tetrachloride	0.41	0.6 J	U	U	0.45 J	0.47 J	U	U
Chlorobenzene	NA	U	U	U	U	U	U	U
Chloroform	0.11	0.38 J	U	U	U	U	U	U
Chloromethane	94	1.1	2.2 J	U	1.2	1.3 J	U	U
Cumene (isopropylbenzene)	420	0.56 J	U	U	0.41 J	0.32 J	U	U
Cyclohexane	6,300	1.8	U	U	1.7	U	U	U
Dichlorodifluoromethane	100	2.9	3 J	3.5 J	2.5	2.4 J	U	U
Ethylbenzene	0.97	2.5	2.4 J	2.0 J	2.5	0.48 J	2.7 J	1.8 J
Freon 22 (chlorodifluoromethane)	52,000	3.6	U	1.5 J	1.3 J	0.89 J	U	U
Freon TF (trichlorotrifluoroethane)	31,000	0.67 J	U	U	0.65 J	0.64 J	U	U
Isopropyl alcohol	7,300	80	91	180	30	U	350	230
m,p-Xylene	100	9.3	7.8 J	7.2 J	7.1	2 J	8.0 J	6.5 J
Methyl Butyl Ketone (2-Hexanone)	31	0.37 J	U	U	U	1.1 J	U	U
Methyl Ethyl Ketone	5,200	23	12	18	3.4	4.4	U	15
methyl isobutyl ketone	3,100	5.2	2.8 J	2.6 J	0.44 J	U	U	11 J
Methyl tert-butyl ether	NA	U	U	U	U	U	U	U
Methylene Chloride	96	1.5 J	3.7 J	U	0.67 J	0.63 J	11 J	5.8 J
Naphthalene	0.072	1 J	U	U	U	1.8 J	U	U
n-Butane	NA	11	15	20	3.2	U	28	29
n-Butylbenzene	NA	U	U	U	U	U	U	U
n-Heptane	NA	2.4	U	U	6.8	U	U	4 J
n-Hexane	730	3.5	2.4 J	2.8 J	2.5	0.42 J	U	5.1 J
n-Propylbenzene	1,000	3.6	U	U	0.83 J	0.93 J	U	U
sec-Butylbenzene	NA	0.56 J	U	U	U	U	U	U
Styrene	1,000	0.51 J	U	U	U	0.11 J	U	U
tert-Butyl alcohol	NA	1.3 J	U	U	U	U	U	U
Tetrachloroethene	9.4	U	U	U	1.3 J	0.33 J	U	U
Tetrahydrofuran	2,100	6.4 J	U	U	U	U	U	U
Toluene	5,200	34	19	36	7	6.5	48	33
Trichloroethene	0.43	0.37 J	U	U	U	U	U	U
Trichlorofluoromethane	730	12.0	5.8 J	3.7 J	1.5	1.4 J	U	4.8 J
Vinyl chloride	NA	U	U	U	U		U	U
Xylene, o-	100	3.2	2.6 J	2.5 J	2.5	0.7 J	2.6 J	2 J

Notes:
Exceedance of screening level.
♦-Denotes higher nominal value of duplicate sample result.
J- The analyte was positively identified; the quantitation is an estimation.
B- The result for the analyte was detected in the trip blank.
M - A matrix effect was present.
U- Undetected at the Limit of Detection.
NA- not available
µg/m˙- microgram per cubic meter.

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

Sample Location	Indoor Air Screening Level (Residential) ($\mu g/m^3$)	101IA-04						
Sample ID		101IA0405AA	101IA0405AA	101IA0405CA	101IA0405DA	101IA0405EA	101IA0405FA	101IA0405GA
Sample Type		Indoor	Indoor	Indoor	Indoor	Indoor	Indoor	Indoor
Sample Date		22-Oct-2013	29-Jan-2014	15-Apr-2014	16-Jul-2014	15-Oct-2014	21-Jan-2015	23-Apr-2015
Sample Depth (ft bgs / ags)		5	5	5	5	5	5	5
Sample Collection Duration (hr)		24	24	24	24	24	24	24
Volatiles (TO-15) in $\mu g/m^3$								
1,2,4-Trimethylbenzene	7.3	6.4	2 J	3.9 J	3.1	1.7 J	0.66 J	0.87 J
1,3,5-Trimethylbenzene	NA	2	U	1.6 J	1	0.51 J	U	U
1,3-Butadiene	NA	0.15 J	U	U	0.12 J	U	U	U
1,4-Dichlorobenzene	NA	U	U	U	0.11 J	U	U	U
1,4-Dioxane	NA	U	U	U	U	U	U	U
2,2,4-Trimethylpentane	NA	0.9 J	U	6.9	1.2	0.87 J	U	U
4-Ethyltoluene	NA	1.6	U	1.4 J	2.2	0.52 J	U	U
4-Isopropyltoluene	NA	U	U	U	0.45 J	U	U	U
Acetone	32,000	260 J	330	320	39	100	140	260
Benzene	0.31	0.97	1.3 J	1.2 J	1.7	0.86 J	0.79 J	0.96 J
Bromoethene(Vinyl Bromide)	NA	U	U	U	0.12 J	U	U	U
Carbon disulfide	730	U	U	U	U	13	U	U
Carbon tetrachloride	0.41	0.52 J	U	U	0.57 J	0.36 J	0.47 J	U
Chlorobenzene	NA	U	U	U	U	1.1 J	U	U
Chloroform	0.11	0.22 J	U	U	U	U	U	U
Chloromethane	94	1.1	2 J	U	1.3	1.2 J	U	U
Cumene (isopropylbenzene)	420	0.2 J	U	U	0.8 J	U	U	U
Cyclohexane	6,300	0.7	U	U	3	0.84 J	U	U
Dichlorodifluoromethane	100	2.6	3.2 J	3.9 J	2.9	2.1 J	2.7 J	2.3 J
Ethylbenzene	0.97	1.3	1.4 J	2.4 J	4.6	2.8	0.49 J	0.9 J
Freon 22 (chlorodifluoromethane)	52,000	2.2	U	2.0 J	1.3 J	0.96 J	1.1 J	U
Freon TF (trichlorotrifluoroethane)	31,000	0.6 J	U	U	0.7 J	0.61 J	U	U
Isopropyl alcohol	7,300	50	58	190	49	37	44	120
m,p-Xylene	100	5.3	4.6 J	8.9 J	14	7.9	1.6 J	3.3 J
Methyl Butyl Ketone (2-Hexanone)	31	0.26 J	U	U	U	U	U	U
Methyl Ethyl Ketone	5,200	16	7.9	20	2.9	3.3	5.2	7.9
methyl isobutyl ketone	3,100	3.7	2.4 J	4.8 J	1.4 J	2.1	U	6.3 J
Methyl tert-butyl ether	NA	U	U	U	U	U	U	U
Methylene Chloride	96	1.3 J	2.4 J	U	0.68 J	0.74 J	1.8 J	3.5 J
Naphthalene	0.072	U	U	U	U	U	U	U
n-Butane	NA	5.1	10	22	4.3	1.5	4.7	12
n-Butylbenzene	NA	U	U	U	0.79 J	U	U	U
n-Heptane	NA	0.96	1.2 J	U	11	U	U	U
n-Hexane	730	1.4	1.5 J	3.0 J	3.5	0.76	U	2.5 J
n-Propylbenzene	1,000	1	U	U	1.7	U	U	U
sec-Butylbenzene	NA	U	U	U	0.54 J	U	U	U
Styrene	1,000	0.23 J	U	U	U	U	U	U
tert-Butyl alcohol	NA	1.2 J	U	U	U	U	U	U
Tetrachloroethene	9.4	U	U	U	U	U	U	U
Tetrahydrofuran	2,100	11 J	U	U	U	1 J	U	U
Toluene	5,200	19	12	42	13	24	6.7	17
Trichloroethene	0.43	U	U	U	U	U	U	U
Trichlorofluoromethane	730	5.7	3.8 J	4.3 J	1.8	1.8	2.2 J	3.7 J
Vinyl chloride	NA	U	U	U	U		U	U
Xylene, o-	100	2.1	1.6 J	3.1 J	5.2	2.2	0.64 J	1.2 J

Notes:
Exceedance of screening level.
♦-Denotes higher nominal value of duplicate sample result.
J- The analyte was positively identified; the quantitation is an e
B- The result for the analyte was detected in the trip blank.
M - A matrix effect was present.
U- Undetected at the Limit of Detection.
NA- not available
µg/m˙- microgram per cubic meter.

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

Sample Location	Indoor Air Screening Level (Residential) ($\mu g/m^3$)	101OA-03						
Sample ID		**101OA0305AA**	**101OA0305AA**	**101OA0305CA**	**101OA0305DA**	**101OA0305EA**	**101OA0305FA**	**101OA0305GA**
Sample Type		**Outdoor**	**Outdoor**	**Outdoor**	**Outdoor**	**Outdoor**	**Outdoor**	**Outdoor**
Sample Date		**22-Oct-2013**	**29-Jan-2014**	**17-Apr-2014**	**16-Jul-2014**	**15-Oct-2014**	**21-Jan-15**	**23-Apr-15**
Sample Depth (ft bgs / ags)		**5**	**5**	**5**	**5**	**5**	**5**	**5**
Sample Collection Duration (hr)		**24**	**24**	**24**	**24**	**24**	**24**	**24**
Volatiles (TO-15) in $\mu g/m^3$								
1,2,4-Trimethylbenzene	7.3	U	U	0.43 J	6.8	2.1	U	U
1,3,5-Trimethylbenzene	NA	U	U	0.20 J	2.2	0.31 J	U	U
1,3-Butadiene	NA	U	U	U	U	U	U	U
1,4-Dichlorobenzene	NA	U	U	U	U	U	U	U
1,4-Dioxane	NA	U	U	U	U	3.7 J	U	U
2,2,4-Trimethylpentane	NA	U	U	0.23 J	U	0.85 J	U	U
4-Ethyltoluene	NA	U	U	0.18 J	0.17 J	0.5 J	U	U
4-Isopropyltoluene	NA	U	U	U	U	U	U	U
Acetone	32,000	8.3 J	6.7 J	9.3 J	15	19	12	U
Benzene	0.31	0.25 J	0.67	0.3 J	0.17 J	0.31 J	0.66	0.29 J
Bromoethene(Vinyl Bromide)	NA	U	U	U	U	U	U	U
Carbon disulfide	730	U	U	U	U	1.9 J	U	U
Carbon tetrachloride	0.41	0.49 J	0.49 J	0.44 J	0.47 J	0.47 J	0.44 J	0.47 J
Chlorobenzene	NA	U	U	U	U	U	U	U
Chloroform	0.11	U	U	U	0.13 J	U	U	U
Chloromethane	94	1 J	1.8	1.1	1.3	1.3 J	1.1	1.2
Cumene (isopropylbenzene)	420	U	U	U	U	0.32 J	U	U
Cyclohexane	6,300	U	U	U	U	U	U	U
Dichlorodifluoromethane	100	2.4 J	3.2	2.7	2.9	2.4 J	2.6	2.3 J
Ethylbenzene	0.97	U	U	U	0.29 J	0.48 J	0.14 J	U
Freon 22 (chlorodifluoromethane)	52,000	0.89 J	1.3 J	0.93 J	1.2 J	0.89 J	0.87 J	0.88 J
Freon TF (trichlorotrifluoroethane)	31,000	0.58 J	0.68 J	0.54 J	0.7 J	0.64 J	0.46 J	0.6 J
Isopropyl alcohol	7,300	U	U	1.5 J	4.9 J	U	1.2 J	U
m,p-Xylene	100	0.21 J	U	U	0.85 J	2 J	0.39 J	U
Methyl Butyl Ketone (2-Hexanone)	31	U	U	U	U	1.1 J	U	U
Methyl Ethyl Ketone	5,200	0.75 J	0.94 J	1.3 J	2.3	4.4	U	U
methyl isobutyl ketone	3,100	U	U	U	0.17 J	U	U	U
Methyl tert-butyl ether	NA	U	U	U	U	0.63 J	U	U
Methylene Chloride	96	0.45 J	0.92 J	U	0.5 J	U	0.99 J	0.88 J
Naphthalene	0.072	U	U	U	U	1.8 J	U	U
n-Butane	NA	1.1 J	2.9	3.6	U	U	1.8	U
n-Butylbenzene	NA	U	U	U	U	U	U	U
n-Heptane	NA	U	U	2	0.48 J	U	U	U
n-Hexane	730	0.28 J	0.35 J	2.2	U	0.42 J	U	U
n-Propylbenzene	1,000	U	U	U	U	0.93 J	U	U
sec-Butylbenzene	NA	U	U	U	U	U	U	U
Styrene	1,000	U	U	U	U	0.11 J	U	U
tert-Butyl alcohol	NA	U	U	U	U	U	U	U
Tetrachloroethene	9.4	U	2	U	0.38 J	0.33 J	U	U
Tetrahydrofuran	2,100	0.25 J	U	U	U	U	U	U
Toluene	5,200	0.68 J	0.54 J	1.4	1	6.5	1.2	0.13 J
Trichloroethene	0.43	U	1.1	U	U	U	U	U
Trichlorofluoromethane	730	1.3	1.5	1.3	1.5	1.4 J	1.3	1.2
Vinyl chloride	NA	U	U	U	U	U	U	U
Xylene, o-	100	U	U	U	0.3 J	0.7 J	U	U

Notes:
Exceedance of screening level.
♦-Denotes higher nominal value of duplicate sample result.
J- The analyte was positively identified; the quantitation is an e
B- The result for the analyte was detected in the trip blank.
M - A matrix effect was present.
U- Undetected at the Limit of Detection.
NA- not available
µg/m˙- microgram per cubic meter.

Table 4
ST006 (Building 101 AOC)
SVE System Performance Monitoring
Influent Air Results

Sample Location	**101CA**							
Sample ID	**101CA01AA**	**101CA01BA**	**101CA01CA**	**101CA01DA**	**101CA02AA**	**101CA01EA**	**101CA01FA**	**101CA01GA**
Sample Type	**Influent**	**Influent**	**Influent**	**Influent**	**Effluent**	**Influent**	**Influent**	**Influent**
Sample Date	**22-Oct-2013**	**28-Jan-2014**	**15-Apr-2014**	**1-Jul-2014**	**1-Jul-2014**	**15-Oct-2014**	**20-Jan-15**	**22-Apr-15**
Sample Collection Duration (hr)	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**
Volatiles (TO-15) in µg/m^3								
1,1,1-Trichloroethane	1.5 J	2.5	2.6	2.1	U	1.9	1.7	1.8
1,2,4-Trimethylbenzene	16	U	1.1	2	1.4	1.4	0.97	0.14 J
1,3,5-Trimethylbenzene	4.4	0.59 J	0.37 J	0.67 J	0.46 J	0.41 J	U	U
1,3-Dichlorobenzene	270	U	U	U	U	2.8	U	U
1,4-Dichlorobenzene	U	U	U	U	U	0.3 J	U	U
2,2,4-Trimethylpentane	3.1	0.33 J	1.1	0.68 J	U	U	U	U
4-Ethyltoluene	5.5	0.68 J	0.35 J	0.62 J	0.46 J	0.41 J	U	U
4-Isopropyltoluene	0.54 J	U	U	U	U	0.95 J	0.58 J	U
Acetone	40	29 J	31	14	U	18	68	24
Benzene	4.9	0.43 J	0.38 J	0.93	5.7	0.31 J	0.41 J	0.17 J
Bromodichloromethane	U	0.42 J	0.63 J	0.85 J	U	2.4	1.2 J	0.89 J
Carbon disulfide	U	0.24 J	2.3	U	U	5.1	11	0.79 J
Carbon tetrachloride	2.4 J	3.5	3.4	2.7	0.56 J	2.9	2.6	2.5
Chlorobenzene	U	U	U	U	U	0.18 J	U	U
Chloroethane	U	U	U	U	U	U	0.17 J	U
Chloroform	34	58	73	77	3.6	110	95	92
Chloromethane	0.23 J	0.29 J	U	U	U	U	0.74 J	U
Cumene (isopropylbenzene)	1.2 J	U	0.09 J	U	0.26 J	0.25 J	U	U
Cyclohexane	13	U	U	U	U	0.38 J	U	U
Dichlorodifluoromethane	2.4 J	4	3.8	3.5	U	2.7	3.7	2.6
Ethylbenzene	18	0.81 J	0.45 J	2.2	1.5	0.8 J	0.37 J	0.16 J
Freon 22 (chlorodifluoromethane)	1.3 J	2	1.5 J	3.8	U	1.6 J	2	1.2 J
Freon TF (trichlorotrifluoroethane)	1.5 J	1.1 J	1.1 J	1.2 J	U	1.3 J	1.1 J	0.93 J
Isopropyl alcohol	2,300 J	18	6.2 J	10 J	U	2.7 J	16	5.2 J
m,p-Xylene	74	2.9	2.1 J	11	7.3	2.5	1.3 J	0.66 J
Methyl Ethyl Ketone	74	3.7	3.2	3	3.4	4.2	4	2.4
methyl isobutyl ketone	U	1.8 J	0.58 J	3	2.0 J	U	0.84 J	U
Methyl methacrylate	U	U	U	U	U	0.44 J	U	U
Methyl tert-butyl ether	U	U	U	U	U	0.13 J	U	U
Methylene Chloride	1.8 J	0.97 J	3.0	0.93 J	8.1	0.63 J	0.61 J	0.93 J
Naphthalene	U	U	U	U	U	1.8 J	1.1 J	U
n-Butane	0.52 J	1.3	1.8	1.4 D	U	0.68 J	3.2	1.3
n-Heptane	6.7	U	U	0.46 J	U	0.64 J	U	U
n-Hexane	6.1	0.35 J	0.28 J	0.47 J	0.36 J	0.38 J	0.31 J	U
n-Propylbenzene	3.3	0.41 J	U	U	U	U	U	U
Styrene	1.5 J	0.22 J	U	0.49 J	0.32 J	0.53 J	0.29 J	U
tert-Butyl alcohol	0.71 J	1.1 J	U	U	U	2.6 J	1.2 J	U
Tetrachloroethene	2.3 J	8.7	14	9.6	3.5	17	10	11
Tetrahydrofuran	740 J	3.5 J	U	U	U	3.2 J	0.73 J	0.77 J
Toluene	120	4.1	3.0	12.0	8.2	73.0	3.3	1
Trichloroethene	100	32	45	42	4.9	53	48	46
Trichlorofluoromethane	4.7	5.2	4.7	4.0	U	3.2	4.4	3.4
Vinyl chloride	U	U	U	U	U	U	U	U
Xylene, o-	22	1.1	0.77	3.8	2.7	0.93	0.51 J	0.25 J

Notes:

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

U- Undetected at the Limit of Detection.

µg/m^3- microgram per cubic meter.

Table 5
ST006 (Building 101 AOC) SVE System Operations and Maintenance Schedule

Field Activities	Rationale	Sample Frequency	Location
Basic System Operation			
VMP vacuum measurements	To determine the radius of influence.	Quarterly	Sub-Slab VMP
Field measurements	To evaluate system effectiveness.	Quarterly	Sub-Slab VMP
Sub-Slab Vapor Sampling	To evaluate system effectiveness.	Quarterly	Sub-Slab VMPs
Indoor Air, Outdoor Air, and Influent Air Sampling	To evaluate system effectiveness.	Quarterly	BADP, BADrP, outdoors, and system
Effluent Air Sampling	To verify GAC replacement schedule.	Periodically	System
System Component Readings	System temperature, flow, vacuum and motor status to determine proper operation.	Weekly	Vacuum Blower
Granular Activated Carbon	To replace spent carbon in vapor treatment system.	Every Four Months	System

Table 6
ST006 (Building 101 AOC)
SVE System VMP Vacuum Readings

Date	101VMP-1	101VMP-2	101VMP-3
Vacuum (in w.g.)			
1Q/2014			
1/9/2014	NA	0.08	0.01
1/16/2014	NA	0.09	0.01
2/6/2014	NA	0.08	0.01
2/13/2014	NA	0.08	0.01
2/24/2014	NA	0.08	0.01
2/27/2014	NA	0.08	0.01
3/13/2014	NA	0.075	0.01
3/20/2014	NA	0.075	0.005
2Q/2014			
4/10/2014	NA	0.075	0.01
4/15/2014	0.015	0.095	0.02
4/24/2014	NA	0.15	0.02
5/1/2014	NA	0.1	0.02
5/8/2014	NA	0.09	0.01
5/15/2014	NA	0.09	0.01
5/21/2014	NA	0.085	0.01
6/20/2014	NA	0.11	0.01
6/26/2014	NA	0.08	0.01
3Q/2014			
7/10/2014	NA	0.09	0.01
7/24/2014	NA	0.08	0.02
7/31/2014	NA	0.09	0
8/7/2014	NA	0.1	0.05
8/15/2014	NA	0.09	0.01
8/20/2014	0.02	0.09	0.05
9/5/2014	NA	0.09	0.01
9/11/2014	NA	0.09	0.01
4Q/2014			
10/2/2014	NA	0.095	0.015
10/17/2014	0.01	0.09	0.005
10/23/2014	NA	0.08	0.005
10/29/2014	NA	0.08	0.01
11/7/2014	NA	0.09	0.01
11/13/2014	NA	0.08	0.01
12/11/2014	NA	0.08	0.01
12/19/2014	NA	0.09	0.01
12/29/2014	NA	0.08	0.01

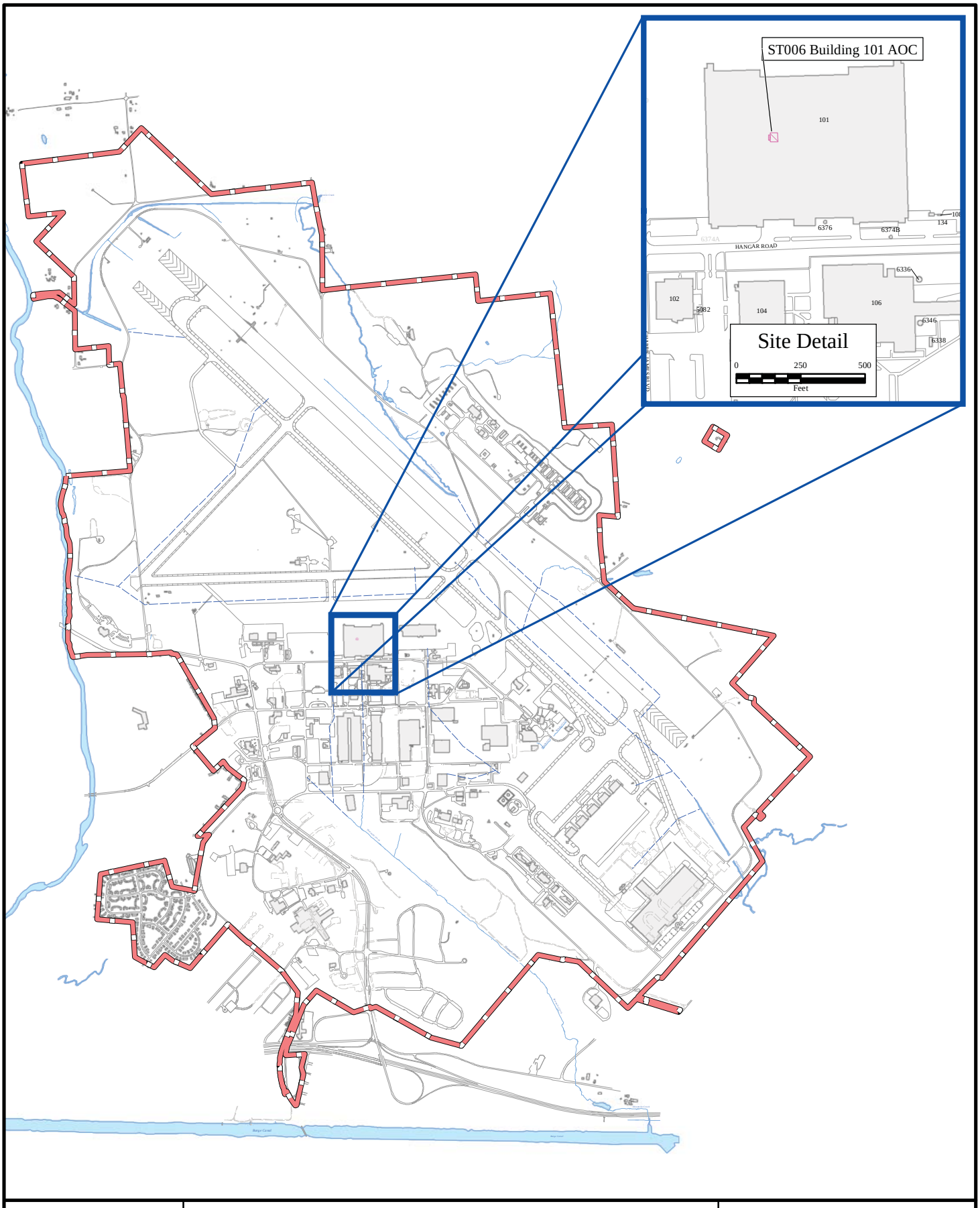
Table 6
ST006 (Building 101 AOC)
SVE System VMP Vacuum Readings

Date	101VMP-1	101VMP-2	101VMP-3
Vacuum (in w.g.)			
1Q/2015			
2/6/2015	NA*	0.08	0.01
2/13/2015	NA*	0.08	0.02
2/25/2015	NA*	0.08	0.01
3/26/2015	NA*	0.08	0.01
2Q/2015			
4/1/2015	NA	0.08	0.01
4/9/2015	NA	0.08	0.01
4/17/2015	NA	0.08	0.01
4/23/2015	NA	0.08	0.01
4/30/2015	NA	0.08	0.01
5/11/2015	NA	0.08	0.01
5/14/2015	0.01	0.08	0.01
5/21/2015	0.02	0.08	0.01
5/28/2015	0.02	0.08	0.01
6/4/2015	0.02	0.08	0.01
6/11/2015	0.02	0.08	0.01
6/18/2015	0.02	0.08	0.01
6/30/2015	0.02	0.08	0.01

NA - not available

* - could not gain access VMP due to restricted access

Figures





Base Location

Key to Features

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

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

N

0 500 1000 2000
Feet

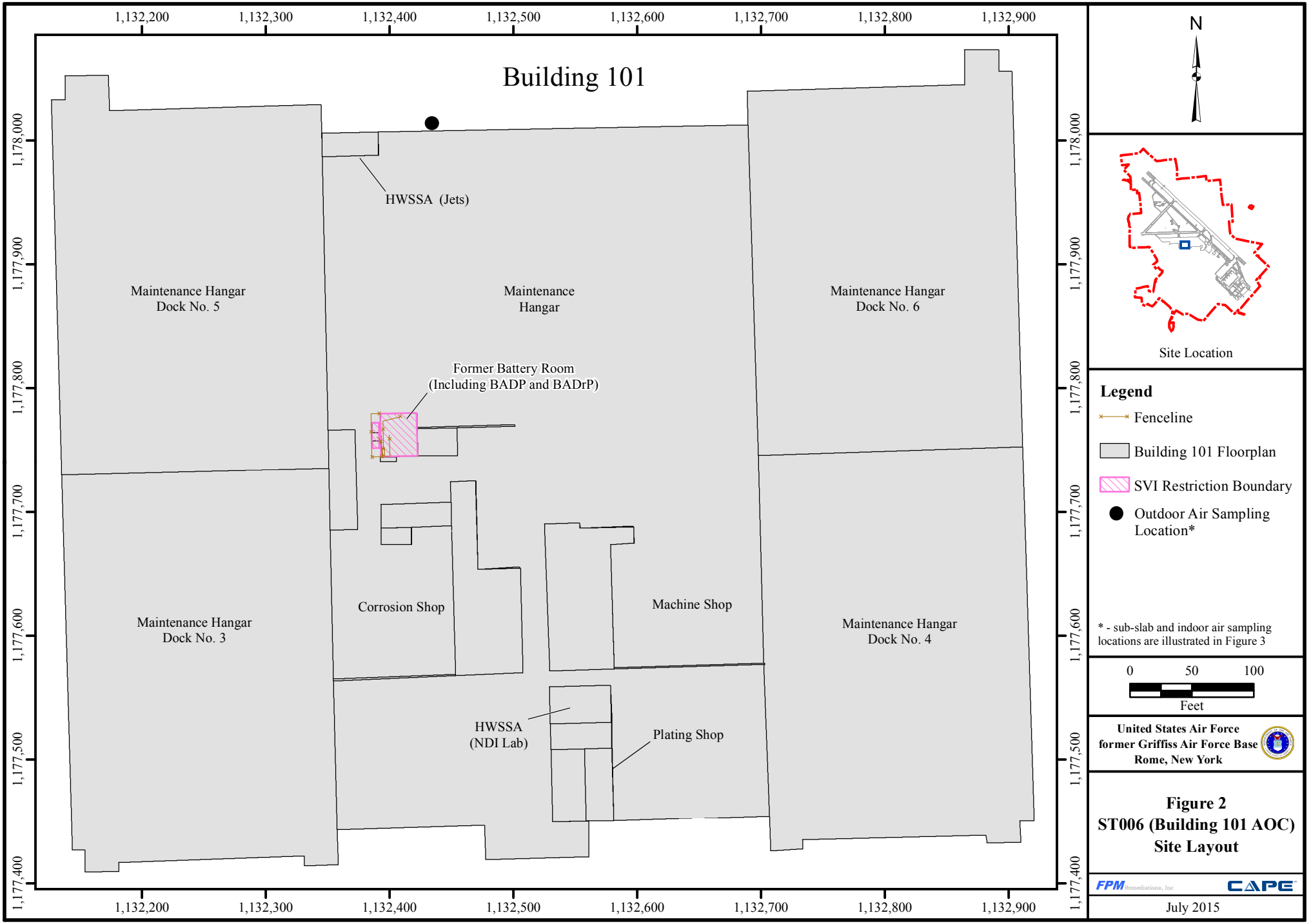
UNITED STATES AIR FORCE
FORMER GRIFFISS AIR FORCE BASE
ROME, NEW YORK

Figure 1
ST006 (Building 101 AOC)
Site Location

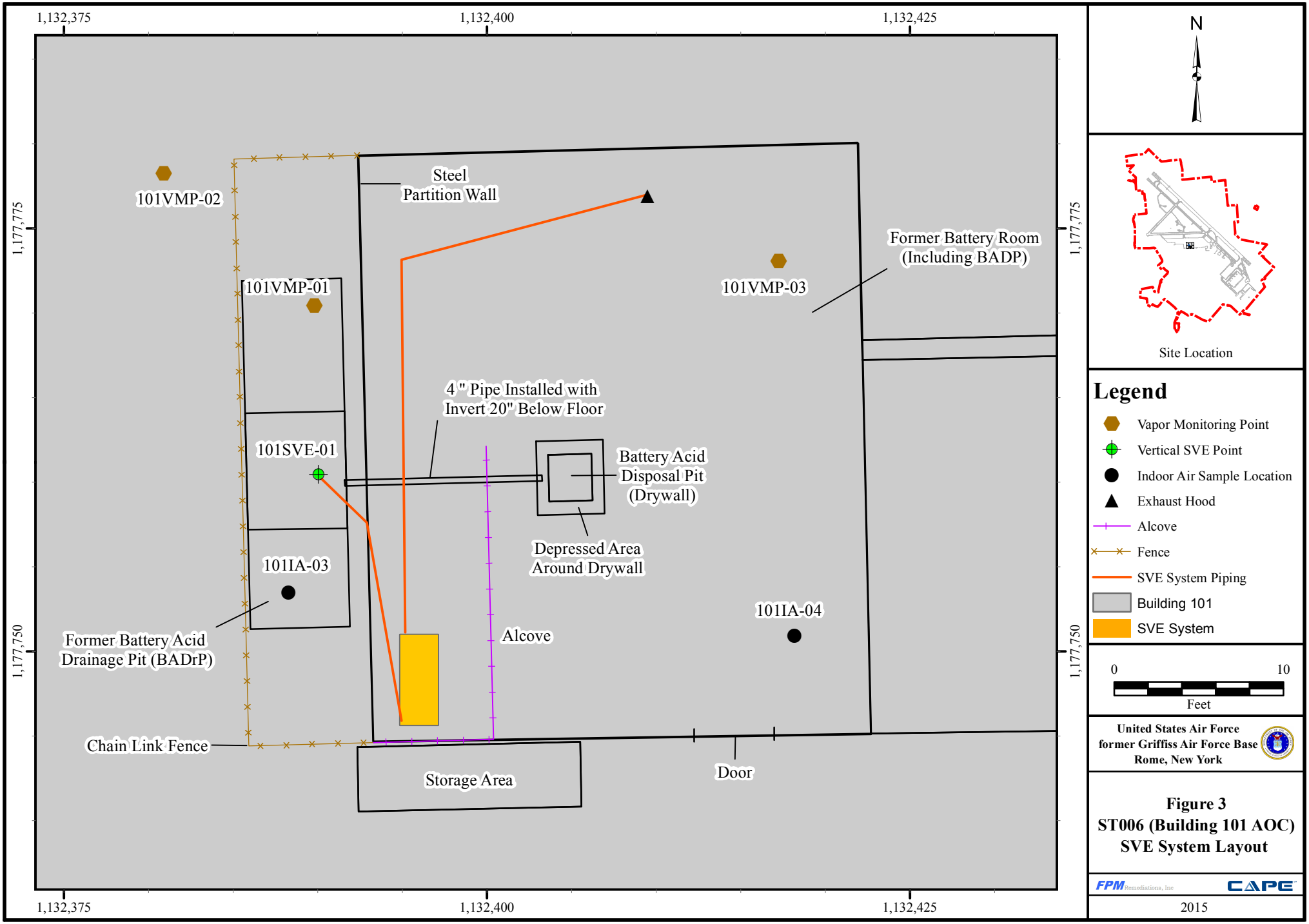
FPM Remediations, Inc.

May 2014

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Y:\GIS_Projects\Griffiss\Projects\1015-11-01\B101_SVI\ArcView10_1\Figure 2.mxd



Y:\GIS_Projects\Griffiss\Projects\1015-11-01\B101_SVI\ArcView10_1\Figure 3 - System Layout.mxd

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

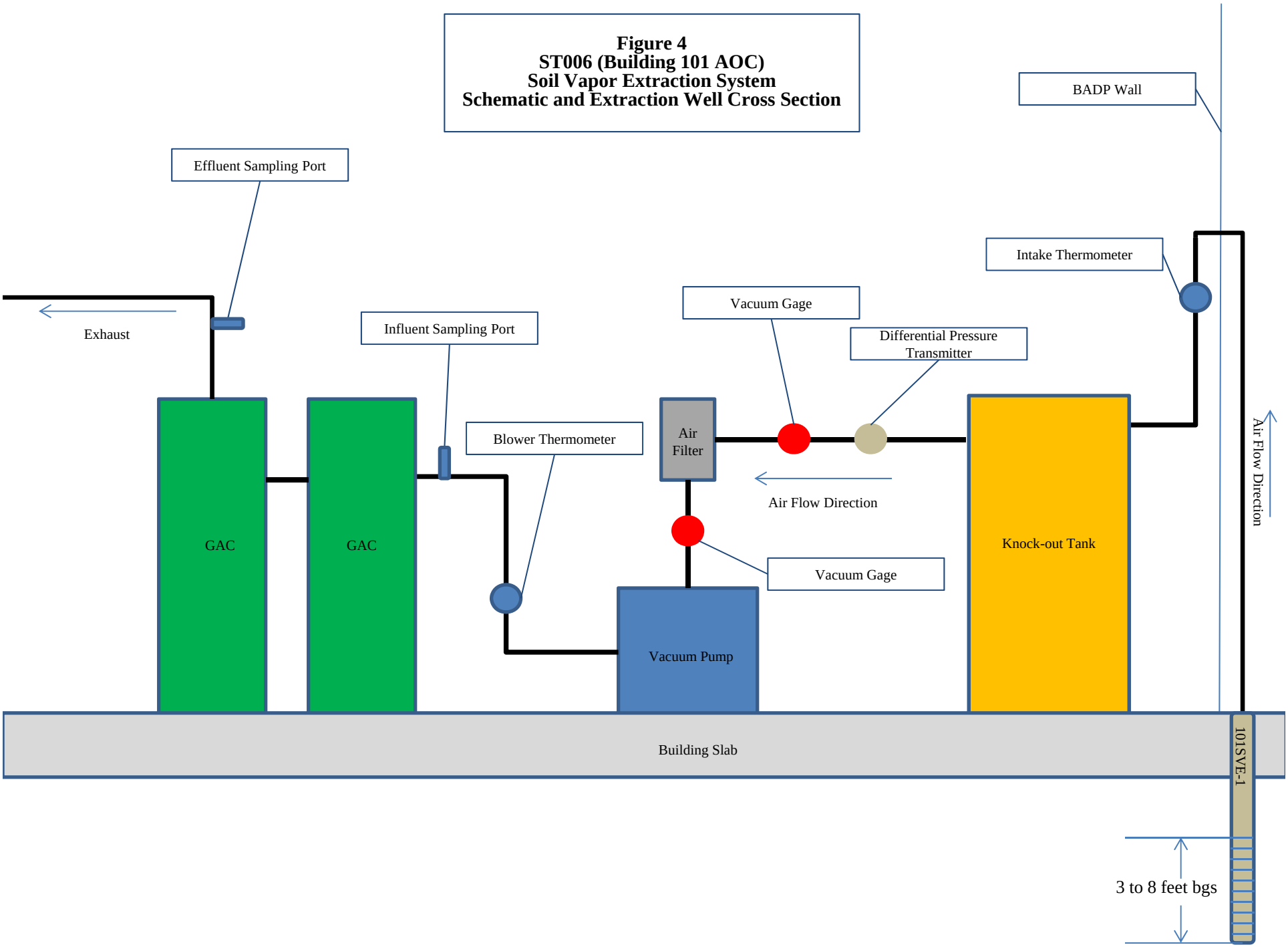


Figure 5
101SVE-1 Long Term Operation Vacuum Rate
(October 2013 through June 2015)

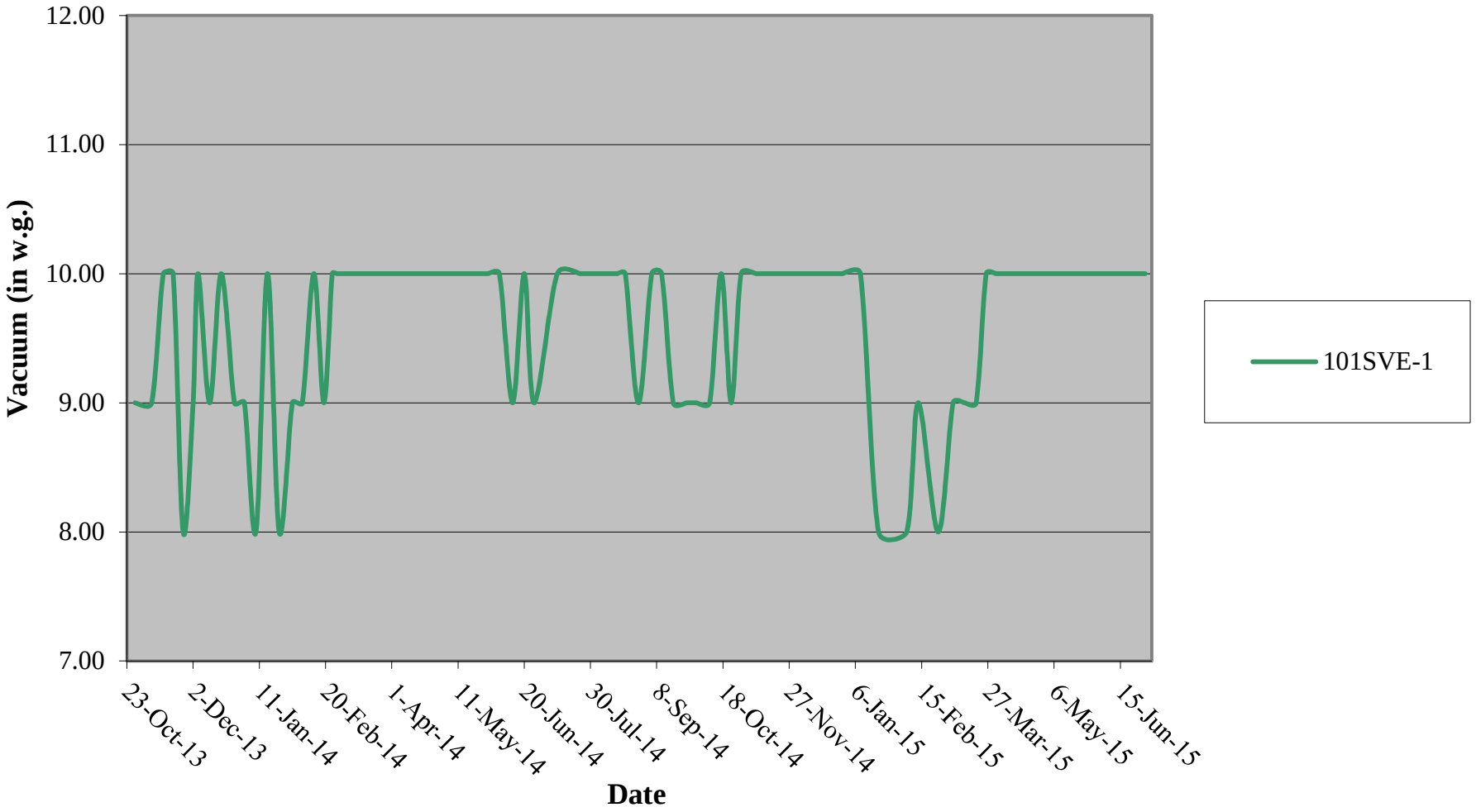


Figure 6
101SVE-1 Long Term Operation Flow Rate
(October 2013 through June 2015)

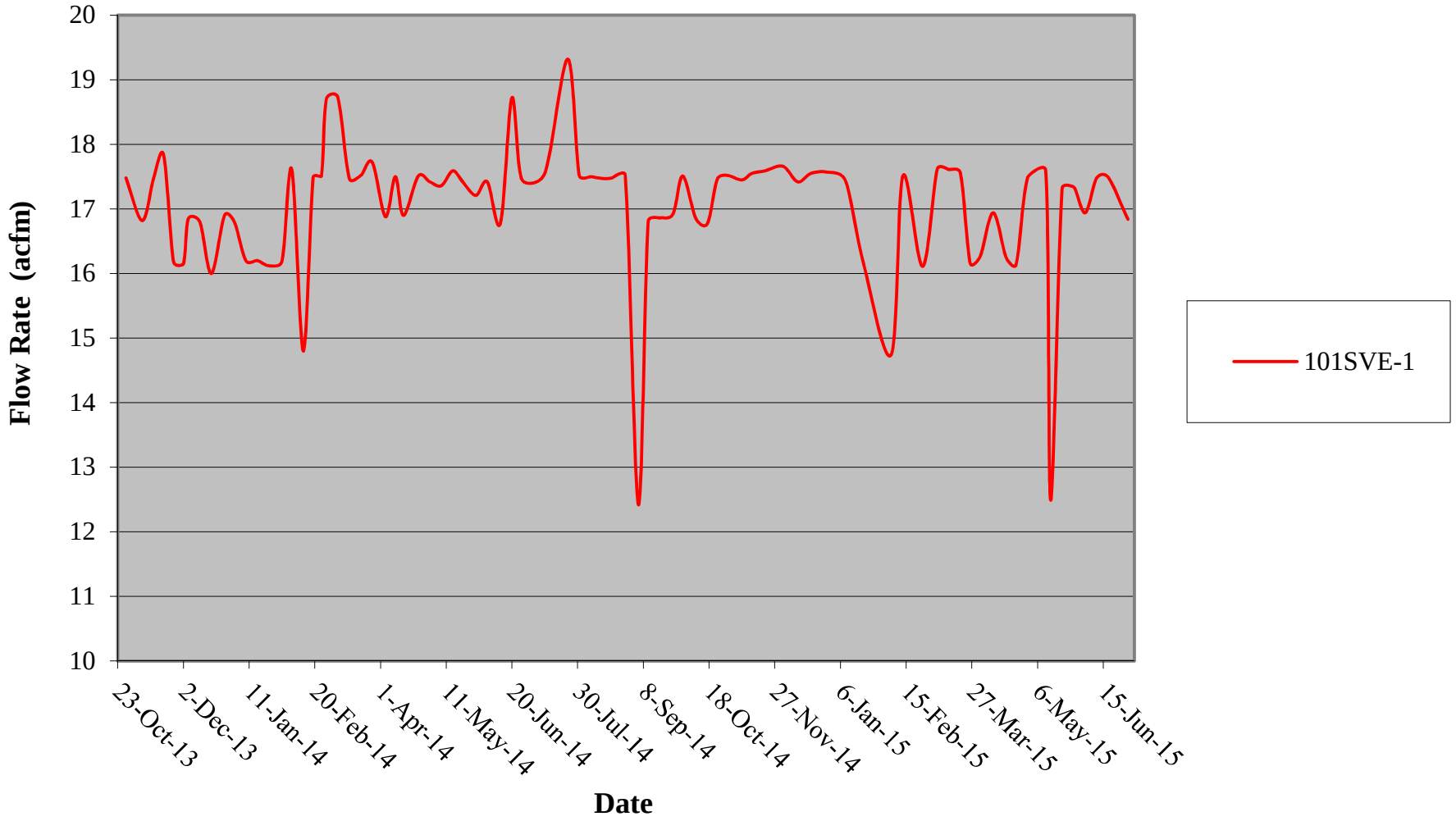
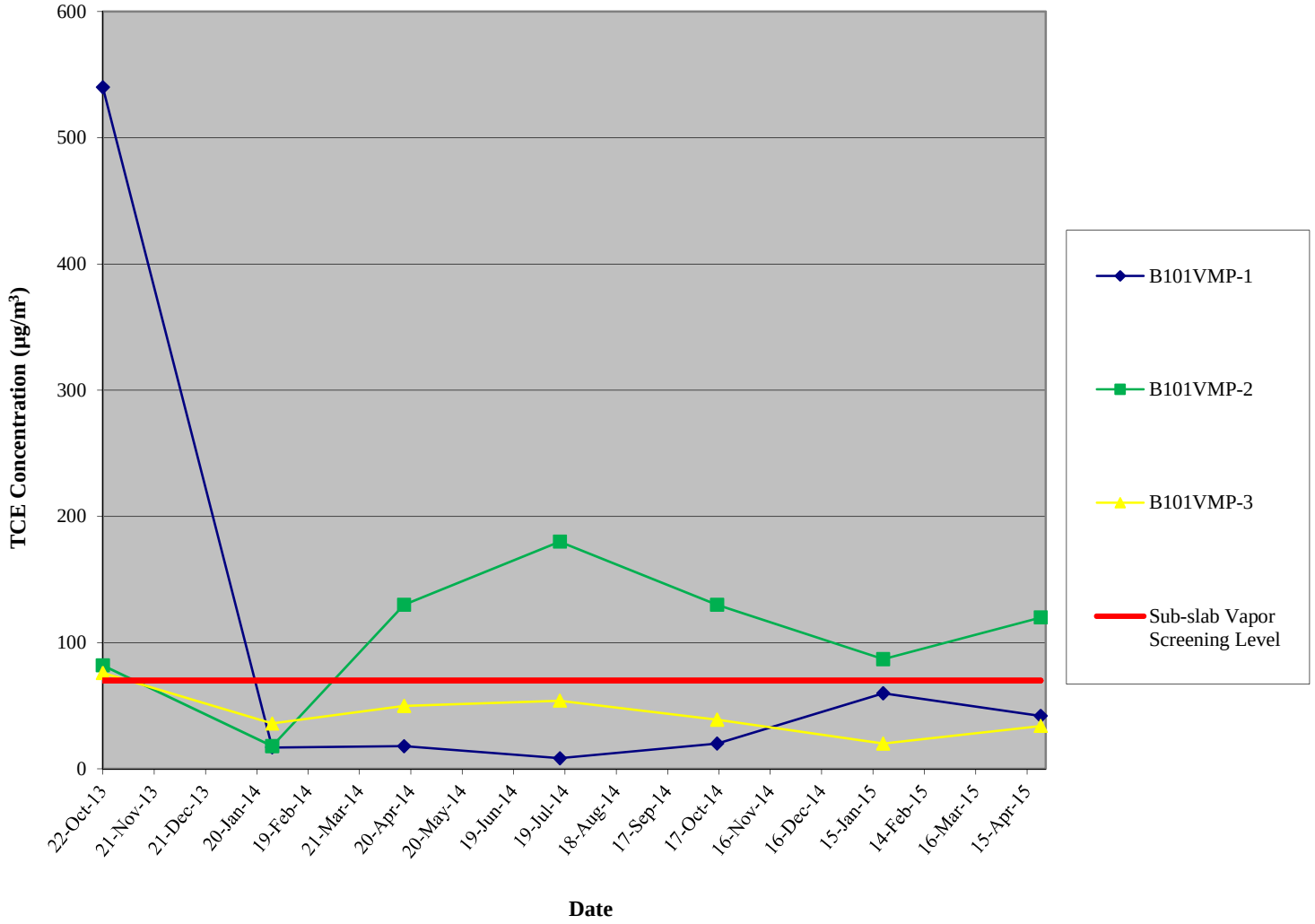
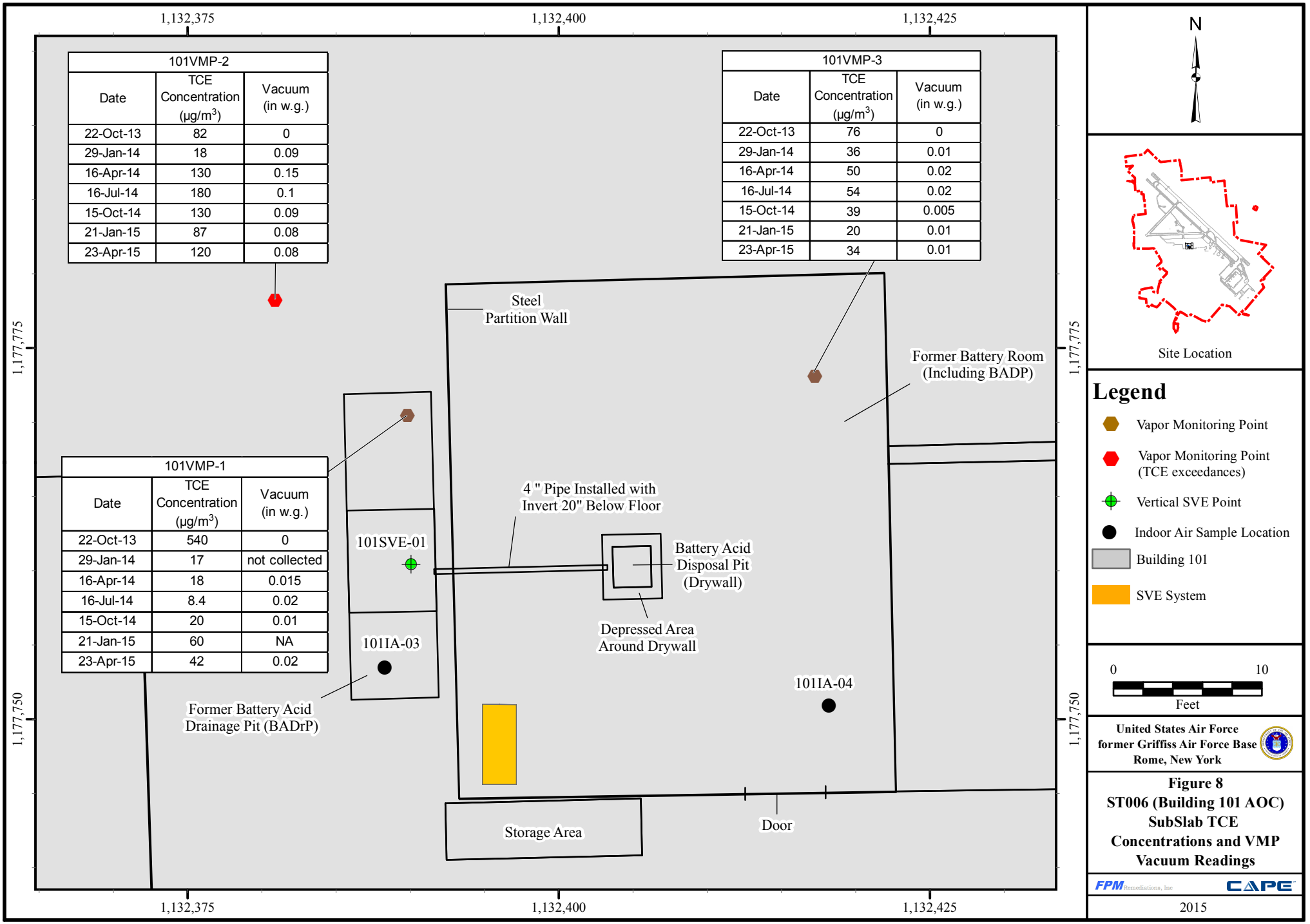


Figure 7
Sub-Slab TCE Trend Chart
(October 2013 through June 2015)



Note: Not detected results are plotted as 0.10 µg/m³.



Y:\GIS_Projects\Griffiss\Projects\1015-11-01\B101_SVI\ArcView10_1\Figure 8 - SubSlab TCE Concentrations.mxd

2Q/2015 ST006 (Building 101 AOC) Soil Vapor Extraction System O&M Report
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Appendix A
GAC System Lifespan Calculation and Waste Inventory Tracking Report

ST006 Building 101 AOC Carbon Drum Life Span

Flow in Cubic Feet per Minute	**20**
Flow in Cubic Meter per Day	**816.1518**

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

Notes:

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

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

Waste Inventory Tracking Form

Location: Building 101

Project Name: 1015-11-01 B101/FPTA

Activities: Spent Carbon Generation

Date	Activity Generating Waste (borehole # / well #)	Description of Waste	Field Evidence of Contamination	Estimated Volume (gals)	Type of Container (storage ID #)	Location of Container	Waste Characterization
3/4/14	Vapor Extraction-101SVE-1	Carbon		110	Steel, Drum	Geiger Rd*	Yes – Sampled on 8/22/14
7/3/14	Vapor Extraction-101SVE-1	Carbon		110	Steel, Drum	Geiger Rd*	Yes – Sampled on 8/22/14
12/18/14	Vapor Extraction-101SVE-1	Carbon		110	Plastic, Drum	Geiger Rd*	
6/22/15	Vapor Extraction-101SVE-1	Carbon		110	Plastic, Drum	Geiger Rd	

Note: Describe whether soil or water samples have been collected for waste characterization, include date, if known.
* - Drum moved to storage on Geiger Road at the former Griffiss AFB.

Comments : _____
_____
_____
_____
_____

Signature : _____

Appendix B
Operation and Maintenance Field Forms

Building 101 SVE O&M Readings/Flow Rate					
Site	Date	Vacuum (inch w.g)	Pressure Differential (inch w.g)	Temperature (°F)	Flow (ACFM)
101SVE-1	4/1/2015	-10	1.2	70	16.26
101SVE-1	4/9/2015	-10	1.3	70	16.94
101SVE-1	4/17/2015	-10	1.2	72	16.24
101SVE-1	4/23/2015	-10	1.2	70	16.14
101SVE-1	4/30/2015	-10	1.4	72	17.49
101SVE-1	5/11/2015	-10	1.4	75	17.59
101SVE-1	5/14/2015	-10	0.7	70	12.49
101SVE-1	5/21/2015	-10	1.4	70	17.32
101SVE-1	5/28/2015	-10	1.4	70	17.34
101SVE-1	6/4/2015	-10	1.3	70	16.94
101SVE-1	6/11/2015	-10	1.4	70	17.48
101SVE-1	6/18/2015	-10	1.4	70	17.49
101SVE-1	6/30/2015	-10	1.3	70	16.84

Building 101 SVE System
O&M Field Form

Date:	4-1-15		
Conducted By:	MG		
Patm (in hg):	30.18(inHG)	**Operating Hours:**	12308 Hrs
101SVE-1	**Vacuum Gauge (in w.g.)**	**Differential Pressure (inch w.g.)**	1.2
Before Filter	-10	**Blower Temp (deg F)**	80F
After Filter	-12	**Intake Temp (deg F)**	70°F

Well ID	Time	Vacuum (inch w.g.)
101VMP-1		
101VMP-2	1440	.08
101VMP-3	1434	.01

Building 101 SVE System
O&M Field Form

Date:	4-9-15		
Conducted By:	MG		
Patm (in hg):	30.25 (inHG)	**Operating Hours:**	12501
101SVE-1	**Vacuum Gauge (in w.g.)**	**Differential Pressure (inch w.g.)**	1.3
Before Filter	-10	**Blower Temp (deg F)**	80°F
After Filter	-11	**Intake Temp (deg F)**	70°F

Well ID	Time	Vacuum (inch w.g.)
101VMP-1		
101VMP-2	1505	.00
101VMP-3	1500	.01

Building 101 SVE System
O&M Field Form

Date:	4-17-15		
Conducted By:	MG		
Patm (in hg):	30.03 (inHG)	**Operating Hours:**	12690
101SVE-1	**Vacuum Gauge (in w.g.)**	**Differential Pressure (inch w.g.)**	1.2
Before Filter	-10	**Blower Temp (deg F)**	90°F
After Filter	-12	**Intake Temp (deg F)**	72°F

Well ID	Time	Vacuum (inch w.g.)
101VMP-1		
101VMP-2	1310	.08
101VMP-3	1304	.01

Building 101 SVE System
O&M Field Form

Date:	4-23-15		
Conducted By:	MG		
Patm (in hg):	29.76 (in HG)	**Operating Hours:**	12808
101SVE-1	**Vacuum Gauge (in w.g.)**	**Differential Pressure (inch w.g.)**	1.2
Before Filter	-10	**Blower Temp (deg F)**	80°F
After Filter	-11	**Intake Temp (deg F)**	70°F

Well ID	Time	Vacuum (inch w.g.)
101VMP-1		
101VMP-2	1315	.08
101VMP-3	1311	.01

Building 101 SVE System
O&M Field Form

Date:	4-30-15		
Conducted By:	MG		
Patm (in hg):	29.83 (inHG)	**Operating Hours:**	1297 Hr.
101SVE-1	**Vacuum Gauge (in w.g.)**	**Differential Pressure (inch w.g.)**	1.4
Before Filter	-.10	**Blower Temp (deg F)**	90°F
After Filter	-11	**Intake Temp (deg F)**	72°F

Well ID	Time	Vacuum (inch w.g.)
101VMP-1		
101VMP-2	11:30	.08
101VMP-3	11:25	.01

Building 101 SVE System
O&M Field Form

Date:	5-11-15		
Conducted By:	MG		
Patm (in hg):	30.02 (inHG)	**Operating Hours:**	13238
101SVE-1	**Vacuum Gauge (in w.g.)**	**Differential Pressure (inch w.g.)**	1.4
Before Filter	-10	**Blower Temp (deg F)**	90°F
After Filter	-11	**intake Temp (deg F)**	75°F

Well ID	Time	Vacuum (inch w.g.)
101VMP-1		
101VMP-2	1140	~~-.8~~ -.08 MG
101VMP-3	1135	~~-1~~ -.01

Building 101 SVE System
O&M Field Form

Date:	5-14-15		
Conducted By:	MG		
Patm (in hg):	30.52 (inHG)	**Operating Hours:**	13309
101SVE-1	**Vacuum Gauge (in w.g.)**	**Differential Pressure (inch w.g.)**	.7
Before Filter	-10	**Blower Temp (deg F)**	80°F
After Filter	-12	**Intake Temp (deg F)**	70°F

Well ID	Time	Vacuum (inch w.g.)
101VMP-1	1030	.01
101VMP-2	1025	Blank -.08
101VMP-3	1035	.01

Building 101 SVE System
O&M Field Form

Date:	5-21-15		
Conducted By:	MG		
Patm (in hg):	29.38 (inHG)	Operating Hours:	13480
101SVE-1	Vacuum Gauge (in w.g.)	Differential Pressure (inch w.g.)	1.4
Before Filter	-10	Blower Temp (deg F)	80°F
After Filter	-11	Intake Temp (deg F)	70°F

Well ID	Time	Vacuum (inch w.g.)
101VMP-1	1336	.02
101VMP-2	1335	.08
101VMP-3	1330	.01

Building 101 SVE System
O&M Field Form

Date:	5-28-15		
Conducted By:	MG		
Patm (in hg):	29.45 (inHG)	**Operating Hours:**	13648
101SVE-1	**Vacuum Gauge (in w.g.)**	**Differential Pressure (inch w.g.)**	1.4
Before Filter	-10	**Blower Temp (deg F)**	80°F
After Filter	-12	**Intake Temp (deg F)**	70°F

Well ID	Time	Vacuum (inch w.g.)
101VMP-1	1334	.07
101VMP-2	1337	.08
101VMP-3	1341	.01

Building 101 SVE System
O&M Field Form

Date:	6-4-15		
Conducted By:	MG		
Patm (in hg):	30.25 (inHG)	**Operating Hours:**	13815
101SVE-1	**Vacuum Gauge (in w.g.)**	**Differential Pressure (inch w.g.)**	1.3
Before Filter	-10	**Blower Temp (deg F)**	80°F
After Filter	-12	**Intake Temp (deg F)**	70°F

Well ID	Time	Vacuum (inch w.g.)
101VMP-1	1233	.02
101VMP-2	1228	.08
101VMP-3	1224	.01

Building 101 SVE System
O&M Field Form

Date:	6-11-15		
Conducted By:	mG		
Patm (in hg):	29.93 (in HG)	**Operating Hours:**	13984
101SVE-1	**Vacuum Gauge (in w.g.)**	**Differential Pressure (inch w.g.)**	1.4
Before Filter	-10	**Blower Temp (deg F)**	85°F
After Filter	-11	**Intake Temp (deg F)**	70°F

Well ID	Time	Vacuum (inch w.g.)
101VMP-1	1402	.02
101VMP-2	1355	.08
101VMP-3	1349	.01

Building 101 SVE System
O&M Field Form

Date:	6-18-15		
Conducted By:	MG		
Patm (in hg):	29.94 (in HG)	**Operating Hours:**	14154
101SVE-1	**Vacuum Gauge (in w.g.)**	**Differential Pressure (inch w.g.)**	1.4
Before Filter	-10	**Blower Temp (deg F)**	95°F
After Filter	-12	**Intake Temp (deg F)**	70°F

Well ID	Time	Vacuum (inch w.g.)
101VMP-1	1554	0.02
101VMP-2	1550	0.08
101VMP-3	1545	0.01

Building 101 SVE System
O&M Field Form

Date:	6/26/15		
Conducted By:	DS / DB		
Patm (in hg):	30.04	**Operating Hours:**	14341
101SVE-1	**Vacuum Gauge (in w.g.)**	**Differential Pressure (inch w.g.)**	1.4
Before Filter	-10	**Blower Temp (deg F)**	75°
After Filter	-11	**Intake Temp (deg F)**	70°

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

Building 101 SVE System
O&M Field Form

Date:	6-30-15		
Conducted By:	mg		
Patm (in hg):	29.89 (in HG)	**Operating Hours:**	14442
101SVE-1	**Vacuum Gauge (in w.g.)**	**Differential Pressure (inch w.g.)**	1.3
Before Filter	-10	**Blower Temp (deg F)**	85°F
After Filter	-12	**Intake Temp (deg F)**	70°F

Well ID	Time	Vacuum (inch w.g.)
101VMP-1	1610	.02
101VMP-2	1605	.08
101VMP-3	1600	.01

Appendix C
Daily Chemical Quality Control Reports

Daily Chemical Quality Control Report

Project/Delivery Order Number: 1015-11-01 Date: 4/23/2015

Project Name/Site Number: ST006 Building 101 AOC.

Weather conditions: Temperature: 35 F Barometric reading: 29.72
Wind speed and direction: 5 mph
Significant wind changes: 15 mph

General description of tasks completed: Sub-slab vapor, influent, and indoor/outdoor air sampling at ST006 Building 101 AOC SVE system.

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.
None

Sampling shipment completed: √ Yes □ No Airbill #: ....

DCQCR Prepared by: Daniel Baldyga Date: 4/24/2015

CQCC Signature: Concordia R-van Heerd Date: 4/25/15

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: Building 101

DATE: 4/23/15

FIELD PERSONNEL: DB / MG

INSTRUMENTS (model and serial number):

Thermometer: NA

Anemometer: NA

	Time (military)	Precip. (in)	Atmospheric pressure (in)	Temp. (degrees F)	Wind (mph)	Comments
Prior to Sampling	0900	<1	29.7	32.6°	4.5	Snow
Mid Day						
End of Sampling	1300	<1	29.72	30.6°	6.6	snow

Notes: Additional measurements should be taken in case of weather condition changes.
Air sampling will be postponed if conditions move outside the acceptable range.

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

Daily Health and Safety Meeting Form

Date: 4/23/15 *Time :* 0900

Location: FPM office (sample room)

Weather Conditions: Snow / 30's

Meeting Type: Daily Health and Safety

Personnel Present:

Mark Grifasi, Dan Baldyga

Visitors Present: None

Visitor Training: None

PPE Required: Modified D

Possible risks, injuries, concerns:

solvent fumes / paint booth fumes, traffic

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

None

Property Damage:

None

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

None

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

None

Report made by (Name): DBaldyga PM.

SSHP Organization Title: Site Safety and Health Officer

SUB-SLAB VAPOR PROBE MONITORING FORM

DATE: 4/22/15 TIME: 0930

SAMPLE IDENTIFICATION: 101CA01GA

SAMPLE DEPTH: Influent sample at System before vapor treatment

FIELD PERSONNEL: KM / MG

INSTRUMENTS (model and serial number):

PUMP: X

CGI: X

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

SAMPLE PURGE VOLUME: X

VOLUME OF SOIL VAPOR EXTRACTED: 6L

SUMMA CANISTER: VACUUM BEFORE SAMPLING: X

VACUUM AFTER SAMPLING: X

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

X

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

VOCs used during normal operations of facility:

solvents, ~~odor~~ refrigerants, gas

Weather conditions: Outdoor temperature: _____

Barometric pressure: _____

Precipitation: _____

Ventilation conditions: _____

Heating System Active? ☐ Yes ☐ No Indoor Air Temp: _____

Location in relation to sample location: _____

Windows Closed? ☐ Yes ☐ No

canister : 4075

INDOOR/OUTDOOR AIR MONITORING FORM

DATE: 4/23/15 + 4/24/15 TIME: 1110

SAMPLE IDENTIFICATION: 101IA0305 GA

SAMPLE ~~DEPTH~~ Height: 5 ft

FIELD PERSONNEL: DB / MG

INSTRUMENTS (model and serial number):

PUMP: RKI ; $CO_2 = 0$, $O_2 = 20.9$, TVH = 0 ppm

CGI: _____

TYPE OF SAMPLE: ☒ INDOOR ☐ OUTDOOR

DURATION OF AIR SAMPLING: 24 hr

VOLUME OF AIR SAMPLED: 6L

SUMMA CANISTER: VACUUM BEFORE SAMPLING: -27

VACUUM AFTER SAMPLING: -3

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

paint fumes / solvent odors

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

Weather conditions: Outdoor temperature: 35°

Barometric pressure: 29.72

Precipitation: snow

Ventilation conditions: good

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

Location in relation to sample location: _____

Windows Closed? ☒ Yes ☐ No

Canister: 3529

Reg: 4768

INDOOR/OUTDOOR AIR MONITORING FORM

DATE: 4/23/15 + 4/29/15 TIME: 1115

SAMPLE IDENTIFICATION: 09 ~~B~~ 101IA0405GA

SAMPLE ~~DEPTH~~ Height: 5ft (office)

FIELD PERSONNEL: OB / MG

INSTRUMENTS (model and serial number):

PUMP: RKI; CO_2 - 0, O_2 - 20.9, TVH - 0

CGI: _____

TYPE OF SAMPLE: ☒ INDOOR ☐ OUTDOOR

DURATION OF AIR SAMPLING: 24

VOLUME OF AIR SAMPLED: 6 L

SUMMA CANISTER: VACUUM BEFORE SAMPLING: -29

VACUUM AFTER SAMPLING: -0

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

paint fumes (slight)

VOCs used during normal operations of facility:

solvents, fuel gas, refrigerents

Weather conditions: Outdoor temperature: 35°

Barometric pressure: 29.72

Precipitation: snow

Ventilation conditions: good

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

Location in relation to sample location: _____

Windows Closed? ☒ Yes ☐ No

canister: 4866

reg: 4048

INDOOR/OUTDOOR AIR MONITORING FORM

DATE: 4/23/15 + 4/24/15 TIME: 1120

SAMPLE IDENTIFICATION: 101@A0305GA

SAMPLE ~~DEPTH~~ Height: 5 ft

FIELD PERSONNEL: DB/MG

INSTRUMENTS (model and serial number):

PUMP: RKI; CO_2: 0 O_2: 20.9 TVH: 0

CGI: _____

TYPE OF SAMPLE: ☐ INDOOR ☒ OUTDOOR

DURATION OF AIR SAMPLING: 24 hr

VOLUME OF AIR SAMPLED: 6 L

SUMMA CANISTER: VACUUM BEFORE SAMPLING: -30

VACUUM AFTER SAMPLING: -4

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

None

VOCs used during normal operations of facility:

solvents, refrigerants, fuel gas

Weather conditions: Outdoor temperature: 35°

Barometric pressure: 29.72

Precipitation: snow (1.5 ft)

Ventilation conditions: good

outdoor

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

Location in relation to sample location: _____

Windows Closed? ☐ Yes ☐ No

canister: 4455

Reg#: 4758

SUB-SLAB VAPOR PROBE MONITORING FORM

DATE: 4/23/15 TIME: 1130

SAMPLE IDENTIFICATION: 101VMP0301GA

SAMPLE ~~DEPTH~~ DEPTH: 0.5ft bdow slab

FIELD PERSONNEL: _____

INSTRUMENTS (model and serial number):

PUMP: RKI: CO_2 - 0.6 O_2 - 20.1 TVH - 55

CGI: _____

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

SAMPLE PURGE VOLUME: 1L

VOLUME OF SOIL VAPOR EXTRACTED: 6L

SUMMA CANISTER: VACUUM BEFORE SAMPLING: -28

VACUUM AFTER SAMPLING: -5

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

_____

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

VOCs used during normal operations of facility:

solvents, refrigerants, fuel gas

_____

Weather conditions: Outdoor temperature: 35°

Barometric pressure: 29.72

Precipitation: light snow

Ventilation conditions: good

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

Location in relation to sample location: _____

Windows Closed? ☒ Yes ☐ No

Canister: # 4800

Reg: # 4978

SUB-SLAB VAPOR PROBE MONITORING FORM

DATE: 4/23/15 TIME: 1135

SAMPLE IDENTIFICATION: 101VMP0101 GA / GC

SAMPLE DEPTH: 0.5 ft below slab

FIELD PERSONNEL: DB / MG

INSTRUMENTS (model and serial number):

PUMP: RKI CO_2 - 0 , O_2 - 20.9, TVH - 15 ppm

CGI: _____

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

SAMPLE PURGE VOLUME: ~~DB~~ 1L

VOLUME OF SOIL VAPOR EXTRACTED: 6L

SUMMA CANISTER: VACUUM BEFORE SAMPLING: GA = -28 GC = -30

VACUUM AFTER SAMPLING: GA = -4 GC = -4

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

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

VOCs used during normal operations of facility:

Solvents, fuel gas, refrigerants

Weather conditions: Outdoor temperature: 35°

Barometric pressure: 29.72

Precipitation: light snow

Ventilation conditions: Good

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

Location in relation to sample location: _____

Windows Closed? ☒ Yes ☐ No

GA

canister: 5039

reg: 5371

GC

canister: 4630

reg: 5132

SUB-SLAB VAPOR PROBE MONITORING FORM

DATE: 4/23/15 TIME: 1150

SAMPLE IDENTIFICATION: 101VMP0201GA

SAMPLE ~~DEPTH~~: 0.5ft below slab

FIELD PERSONNEL: _____

INSTRUMENTS (model and serial number):

PUMP: RKI: CO_2 - 0.6 O_2 - 20.0 TVH - 25ppm

CGI: _____

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

SAMPLE PURGE VOLUME: 1L

VOLUME OF SOIL VAPOR EXTRACTED: 6L

SUMMA CANISTER: VACUUM BEFORE SAMPLING: ~~-30~~ MG -26

VACUUM AFTER SAMPLING: -3

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

_____

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

VOCs used during normal operations of facility:

solvents, refrigerants, fuel gas

_____

Weather conditions: Outdoor temperature: 35°

Barometric pressure: 29.72

Precipitation: light snow

Ventilation conditions: good

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

Location in relation to sample location: _____

Windows Closed? ☒ Yes ☐ No

canister: # ~~5132~~ MG 3639

Reg. : # ~~4630~~ MG 4626

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 B101 Sampler Name: Daniel Baldyga	Send Results to: Daniel Baldyga FPM Remediations Inc 584 Phoenix Dr Rome, NY 13441 Phone: (315) 336-7721 Ext 207
Carrier: Fedex	Sampler Signature:	

Analyses Requested

Field Sample ID	Location ID (LOCID)	Date 2015	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	
101VMP0101GA	101VMP-1	4/23	1135	GS	AC	0/0	N			1	1	1	Can#5039	reg#5371
101VMP0201GA	101VMP-2	4/23	1150	GS	AC	0/0	N			1	1	1	Can#3639	reg#4626
101VMP0301GA	101VMP-3	4/23	1130	GS	AC	0/0	N			1	1	1	Can#4800	reg#4978
101VMP0101GC	101VMP-1	4/23	1135	GS	AC	0/0	FD			1	1	1	Can#4630	reg#5132
101IA0305GA	101IA-03(BADrP)	4/23	1115	GS	AC	0/0	N			1	1	1	Can#3569	reg#4768
101IA0405GA	101IA-04(BADP)	4/23	1110	GS	AC	0/0	N			1	1	1	Can#4866	reg#4048
101OA0305GA	101OA-03	4/23	1120	GS	AC	0/0	N			1	1	1	Can#4455	reg#4758
101CA01GA	101 SVE Influent	4/22	0930	GS	AC	0/0	N			1	1	1	Can#4075	
042215TB	Trip Blank	4/22	0900	GS	AC	0/0	TB			1	1	1	Can#5896	

Sample Condition Upon Receipt at Laboratory:

Special Instructions/Comments: Analyses to be conducted in compliance with AFCEE QAPP 4.0

Note 1: VOC: Method TO-15 Full List

ANALYSIS NOTE 1: Cat B package required.

#1 Released by: (Sig)	Date:	#2 Released by: (Sig)	Date:4/24/2015	#3 Released by: (Sig)	Date:
Company Name:	Time:	Company Name: FPM Remediations Inc	Time:1700	Company Name:	Time:
#1 Received by: (Sig)	Date:4/20/2015	#2 Received by: (Sig)	Date:	#3 Received by: (Sig)	Date:
Company Name: FPM Remediations Inc	Time:1030	Company Name:	Time:	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

SACODE
N = Normal Sample
AB = Ambient Blank
TB = Trip Blank
EB = Equipment Blank
FD = Field Duplicate

SP = Submersible Pump
AC = Air Container

MS = Matrix Spike
SD = Matrix Spike Duplicate

Appendix D
Raw Laboratory Data

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 200-27725-1

Job Description: Griffiss AFB 1015-11-01 B101

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

Attention: Daniel Baldyga

Approved for release.
Elaine M Walker
Project Manager II
4/30/2015 4:38 PM

Elaine M Walker, Project Manager II
4955 Yarrow Street, Arvada, CO, 80002
(303)736-0156
elaine.walker@testamericainc.com
04/30/2015

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 4025.

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 B101
Report Number: 200-27725-1

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

Nine samples were received at TestAmerica Burlington on 04/28/2015; the samples arrived in good condition and properly preserved.

A discrepancy was noted between the Chain of Custody and the sample volume received. Samples 101VMP0201GA (200-27725-2), 101IA0405GA (200-27725-6) and 101OA0305GA (200-27725-7) each have a client label with a sample collection date of 4/22, the COC has collection dates of 4/23. The sample collection date was logged per the COC.

The client was notified on Tuesday, April 28, 2015.

VOLATILE ORGANIC COMPOUNDS (GC/MS)

Samples 101VMP0101GA (200-27725-1), 101VMP0201GA (200-27725-2), 101VMP0301GA (200-27725-3), 101VMP0101GC (200-27725-4), 101IA0305GA (200-27725-5), 101IA0405GA (200-27725-6), 101OA0305GA (200-27725-7), 101CA01GA (200-27725-8) and 042215TB (200-27725-9) were analyzed for volatile organic compounds (GC/MS) in accordance with EPA Method TO-15. The samples were analyzed on 04/29/2015 and 04/30/2015.

Samples 101VMP0101GA (200-27725-1), 101VMP0201GA (200-27725-2), 101VMP0301GA (200-27725-3), 101IA0305GA (200-27725-5) and 101IA0405GA (200-27725-6) required dilutions prior to analysis. The reporting limits have been adjusted accordingly.

No 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.: 200-27725-1

SDG No.:

Instrument ID: CHX.i Analysis Batch Number: 87597

Lab Sample ID: 200-27725-1 Client Sample ID: 101VMP0101GA

Date Analyzed: 04/29/15 18:27 Lab File ID: 13349-010.D GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
n-Heptane	11.77	Baseline Event	lyonsb	04/30/15 08:38

Lab Sample ID: 200-27725-4 Client Sample ID: 101VMP0101GC

Date Analyzed: 04/29/15 20:55 Lab File ID: 13349-013.D GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
n-Heptane	11.79	Peak not found by the data system	lyonsb	04/30/15 08:44

SAMPLE SUMMARY

Client: FPM Remediations Inc

Job Number: 200-27725-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
200-27725-1	101VMP0101GA	Air	04/23/2015 1135	04/28/2015 1015
200-27725-2	101VMP0201GA	Air	04/23/2015 1150	04/28/2015 1015
200-27725-3	101VMP0301GA	Air	04/23/2015 1130	04/28/2015 1015
200-27725-4	101VMP0101GC	Air	04/23/2015 1135	04/28/2015 1015
200-27725-5	101IA0305GA	Air	04/23/2015 1115	04/28/2015 1015
200-27725-6	101IA0405GA	Air	04/23/2015 1110	04/28/2015 1015
200-27725-7	101OA0305GA	Air	04/23/2015 1120	04/28/2015 1015
200-27725-8	101CA01GA	Air	04/22/2015 0930	04/28/2015 1015
200-27725-9TB	042215TB	Air	04/22/2015 0900	04/28/2015 1015

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 200-27725-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
200-27725-1	**101VMP0101GA**					
Dichlorodifluoromethane		0.50	J D	0.80	ppb v/v	TO-15
Dichlorodifluoromethane		2.5	J D	4.0	ug/m3	TO-15
Freon 22		0.44	J D	0.80	ppb v/v	TO-15
Freon 22		1.6	J D	2.8	ug/m3	TO-15
n-Butane		8.5	D	0.80	ppb v/v	TO-15
n-Butane		20	D	1.9	ug/m3	TO-15
Trichlorofluoromethane		0.82	D	0.32	ppb v/v	TO-15
Trichlorofluoromethane		4.6	D	1.8	ug/m3	TO-15
Freon TF		0.088	J D	0.32	ppb v/v	TO-15
Freon TF		0.68	J D	2.5	ug/m3	TO-15
Acetone		17	D	8.0	ppb v/v	TO-15
Acetone		41	D	19	ug/m3	TO-15
Isopropyl alcohol		2.9	J D	8.0	ppb v/v	TO-15
Isopropyl alcohol		7.0	J D	20	ug/m3	TO-15
Carbon disulfide		0.67	J D	0.80	ppb v/v	TO-15
Carbon disulfide		2.1	J D	2.5	ug/m3	TO-15
Methylene Chloride		0.44	J D	0.80	ppb v/v	TO-15
Methylene Chloride		1.5	J D	2.8	ug/m3	TO-15
tert-Butyl alcohol		0.90	J D	8.0	ppb v/v	TO-15
tert-Butyl alcohol		2.7	J D	24	ug/m3	TO-15
n-Hexane		0.72	D	0.32	ppb v/v	TO-15
n-Hexane		2.5	D	1.1	ug/m3	TO-15
Methyl Ethyl Ketone		16	D	0.80	ppb v/v	TO-15
Methyl Ethyl Ketone		49	D	2.4	ug/m3	TO-15
Chloroform		19	D	0.32	ppb v/v	TO-15
Chloroform		93	D	1.6	ug/m3	TO-15
Tetrahydrofuran		54	D	8.0	ppb v/v	TO-15
Tetrahydrofuran		160	D	24	ug/m3	TO-15
1,1,1-Trichloroethane		0.15	J D	0.32	ppb v/v	TO-15
1,1,1-Trichloroethane		0.79	J D	1.7	ug/m3	TO-15
Cyclohexane		0.33	D	0.32	ppb v/v	TO-15
Cyclohexane		1.1	D	1.1	ug/m3	TO-15
Carbon tetrachloride		0.12	J D	0.32	ppb v/v	TO-15
Carbon tetrachloride		0.76	J D	2.0	ug/m3	TO-15
Benzene		0.38	D	0.32	ppb v/v	TO-15
Benzene		1.2	D	1.0	ug/m3	TO-15
n-Heptane		0.36	D M	0.32	ppb v/v	TO-15
n-Heptane		1.5	D M	1.3	ug/m3	TO-15
Trichloroethene		7.8	D	0.32	ppb v/v	TO-15
Trichloroethene		42	D	1.7	ug/m3	TO-15
Bromodichloromethane		0.088	J D	0.32	ppb v/v	TO-15
Bromodichloromethane		0.59	J D	2.1	ug/m3	TO-15
Toluene		1.9	D	0.32	ppb v/v	TO-15
Toluene		7.2	D	1.2	ug/m3	TO-15
Ethylbenzene		0.19	J D	0.32	ppb v/v	TO-15
Ethylbenzene		0.84	J D	1.4	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 200-27725-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
m,p-Xylene		0.50	J D	0.80	ppb v/v	TO-15
m,p-Xylene		2.2	J D	3.5	ug/m3	TO-15
Xylene, o-		0.18	J D	0.32	ppb v/v	TO-15
Xylene, o-		0.79	J D	1.4	ug/m3	TO-15
Xylene (total)		0.68		0.32	ppb v/v	TO-15
Xylene (total)		3.0		1.4	ug/m3	TO-15
Styrene		0.43	D	0.32	ppb v/v	TO-15
Styrene		1.8	D	1.4	ug/m3	TO-15
n-Propylbenzene		0.050	J D	0.32	ppb v/v	TO-15
n-Propylbenzene		0.25	J D	1.6	ug/m3	TO-15
4-Ethyltoluene		0.071	J D	0.32	ppb v/v	TO-15
4-Ethyltoluene		0.35	J D	1.6	ug/m3	TO-15
1,3,5-Trimethylbenzene		0.078	J D	0.32	ppb v/v	TO-15
1,3,5-Trimethylbenzene		0.38	J D	1.6	ug/m3	TO-15
1,2,4-Trimethylbenzene		0.27	J D	0.32	ppb v/v	TO-15
1,2,4-Trimethylbenzene		1.3	J D	1.6	ug/m3	TO-15
1,3-Dichlorobenzene		0.19	J D	0.32	ppb v/v	TO-15
1,3-Dichlorobenzene		1.1	J D	1.9	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc Job Number: 200-27725-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
200-27725-2	**101VMP0201GA**					
Dichlorodifluoromethane		0.47	J D	2.5	ppb v/v	TO-15
Dichlorodifluoromethane		2.3	J D	12	ug/m3	TO-15
Freon 22		0.40	J D	2.5	ppb v/v	TO-15
Freon 22		1.4	J D	8.8	ug/m3	TO-15
Trichlorofluoromethane		0.60	J D	1.0	ppb v/v	TO-15
Trichlorofluoromethane		3.4	J D	5.6	ug/m3	TO-15
Acetone		17	J D	25	ppb v/v	TO-15
Acetone		41	J D	59	ug/m3	TO-15
Isopropyl alcohol		3.2	J D	25	ppb v/v	TO-15
Isopropyl alcohol		7.9	J D	61	ug/m3	TO-15
Carbon disulfide		1.8	J D	2.5	ppb v/v	TO-15
Carbon disulfide		5.7	J D	7.8	ug/m3	TO-15
Methylene Chloride		1.1	J D	2.5	ppb v/v	TO-15
Methylene Chloride		3.7	J D	8.7	ug/m3	TO-15
Methyl Ethyl Ketone		11	D	2.5	ppb v/v	TO-15
Methyl Ethyl Ketone		33	D	7.4	ug/m3	TO-15
Tetrahydrofuran		48	D	25	ppb v/v	TO-15
Tetrahydrofuran		140	D	74	ug/m3	TO-15
Benzene		1.0	D	1.0	ppb v/v	TO-15
Benzene		3.3	D	3.2	ug/m3	TO-15
Trichloroethene		22	D	1.0	ppb v/v	TO-15
Trichloroethene		120	D	5.4	ug/m3	TO-15
methyl isobutyl ketone		1.1	J D	2.5	ppb v/v	TO-15
methyl isobutyl ketone		4.3	J D	10	ug/m3	TO-15
Toluene		46	D	1.0	ppb v/v	TO-15
Toluene		170	D	3.8	ug/m3	TO-15
Tetrachloroethene		1.5	D	1.0	ppb v/v	TO-15
Tetrachloroethene		10	D	6.8	ug/m3	TO-15
Ethylbenzene		89	D	1.0	ppb v/v	TO-15
Ethylbenzene		390	D	4.3	ug/m3	TO-15
m,p-Xylene		370	D	2.5	ppb v/v	TO-15
m,p-Xylene		1600	D	11	ug/m3	TO-15
Xylene, o-		110	D	1.0	ppb v/v	TO-15
Xylene, o-		460	D	4.3	ug/m3	TO-15
Xylene (total)		480		1.0	ppb v/v	TO-15
Xylene (total)		2100		4.3	ug/m3	TO-15
Styrene		1.5	D	1.0	ppb v/v	TO-15
Styrene		6.4	D	4.3	ug/m3	TO-15
4-Ethyltoluene		3.1	D	1.0	ppb v/v	TO-15
4-Ethyltoluene		15	D	4.9	ug/m3	TO-15
1,3,5-Trimethylbenzene		4.1	D	1.0	ppb v/v	TO-15
1,3,5-Trimethylbenzene		20	D	4.9	ug/m3	TO-15
1,2,4-Trimethylbenzene		7.4	D	1.0	ppb v/v	TO-15
1,2,4-Trimethylbenzene		36	D	4.9	ug/m3	TO-15
4-Isopropyltoluene		0.47	J D	1.0	ppb v/v	TO-15
4-Isopropyltoluene		2.6	J D	5.5	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 200-27725-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
200-27725-3	**101VMP0301GA**					
Acetone		150	D	120	ppb v/v	TO-15
Acetone		370	D	290	ug/m3	TO-15
Methyl Ethyl Ketone		200	D	12	ppb v/v	TO-15
Methyl Ethyl Ketone		590	D	36	ug/m3	TO-15
Tetrahydrofuran		760	D	120	ppb v/v	TO-15
Tetrahydrofuran		2200	D	360	ug/m3	TO-15
Trichloroethene		6.3	D	4.9	ppb v/v	TO-15
Trichloroethene		34	D	26	ug/m3	TO-15
methyl isobutyl ketone		80	D	12	ppb v/v	TO-15
methyl isobutyl ketone		330	D	50	ug/m3	TO-15
Toluene		240	D	4.9	ppb v/v	TO-15
Toluene		920	D	19	ug/m3	TO-15
Tetrachloroethene		2.9	J D	4.9	ppb v/v	TO-15
Tetrachloroethene		20	J D	33	ug/m3	TO-15
Ethylbenzene		4.7	J D	4.9	ppb v/v	TO-15
Ethylbenzene		21	J D	21	ug/m3	TO-15
m,p-Xylene		18	D	12	ppb v/v	TO-15
m,p-Xylene		80	D	53	ug/m3	TO-15
Xylene, o-		6.9	D	4.9	ppb v/v	TO-15
Xylene, o-		30	D	21	ug/m3	TO-15
Xylene (total)		25		4.9	ppb v/v	TO-15
Xylene (total)		110		21	ug/m3	TO-15
Styrene		2.7	J D	4.9	ppb v/v	TO-15
Styrene		12	J D	21	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 200-27725-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
200-27725-4	**101VMP0101GC**					
Dichlorodifluoromethane		0.46	J	0.50	ppb v/v	TO-15
Dichlorodifluoromethane		2.3	J	2.5	ug/m3	TO-15
Freon 22		0.45	J	0.50	ppb v/v	TO-15
Freon 22		1.6	J	1.8	ug/m3	TO-15
n-Butane		8.6		0.50	ppb v/v	TO-15
n-Butane		21		1.2	ug/m3	TO-15
Trichlorofluoromethane		0.80		0.20	ppb v/v	TO-15
Trichlorofluoromethane		4.5		1.1	ug/m3	TO-15
Freon TF		0.093	J	0.20	ppb v/v	TO-15
Freon TF		0.72	J	1.5	ug/m3	TO-15
Acetone		21		5.0	ppb v/v	TO-15
Acetone		49		12	ug/m3	TO-15
Isopropyl alcohol		3.4	J	5.0	ppb v/v	TO-15
Isopropyl alcohol		8.4	J	12	ug/m3	TO-15
Carbon disulfide		1.5		0.50	ppb v/v	TO-15
Carbon disulfide		4.5		1.6	ug/m3	TO-15
Methylene Chloride		0.35	J	0.50	ppb v/v	TO-15
Methylene Chloride		1.2	J	1.7	ug/m3	TO-15
tert-Butyl alcohol		1.3	J	5.0	ppb v/v	TO-15
tert-Butyl alcohol		3.9	J	15	ug/m3	TO-15
n-Hexane		0.73		0.20	ppb v/v	TO-15
n-Hexane		2.6		0.70	ug/m3	TO-15
1,1-Dichloroethane		0.033	J	0.20	ppb v/v	TO-15
1,1-Dichloroethane		0.13	J	0.81	ug/m3	TO-15
Methyl Ethyl Ketone		12		0.50	ppb v/v	TO-15
Methyl Ethyl Ketone		36		1.5	ug/m3	TO-15
Chloroform		17		0.20	ppb v/v	TO-15
Chloroform		83		0.98	ug/m3	TO-15
Tetrahydrofuran		39		5.0	ppb v/v	TO-15
Tetrahydrofuran		110		15	ug/m3	TO-15
1,1,1-Trichloroethane		0.14	J	0.20	ppb v/v	TO-15
1,1,1-Trichloroethane		0.76	J	1.1	ug/m3	TO-15
Cyclohexane		0.30		0.20	ppb v/v	TO-15
Cyclohexane		1.0		0.69	ug/m3	TO-15
Carbon tetrachloride		0.12	J	0.20	ppb v/v	TO-15
Carbon tetrachloride		0.74	J	1.3	ug/m3	TO-15
2,2,4-Trimethylpentane		0.13	J	0.20	ppb v/v	TO-15
2,2,4-Trimethylpentane		0.60	J	0.93	ug/m3	TO-15
Benzene		0.38		0.20	ppb v/v	TO-15
Benzene		1.2		0.64	ug/m3	TO-15
n-Heptane		0.35	M	0.20	ppb v/v	TO-15
n-Heptane		1.4	M	0.82	ug/m3	TO-15
Trichloroethene		6.8		0.20	ppb v/v	TO-15
Trichloroethene		36		1.1	ug/m3	TO-15
Bromodichloromethane		0.070	J	0.20	ppb v/v	TO-15
Bromodichloromethane		0.47	J	1.3	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 200-27725-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
methyl isobutyl ketone		0.29	J	0.50	ppb v/v	TO-15
methyl isobutyl ketone		1.2	J	2.0	ug/m3	TO-15
Toluene		2.1		0.20	ppb v/v	TO-15
Toluene		7.9		0.75	ug/m3	TO-15
Tetrachloroethene		0.037	J	0.20	ppb v/v	TO-15
Tetrachloroethene		0.25	J	1.4	ug/m3	TO-15
Methyl Butyl Ketone (2-Hexanone)		0.18	J	0.50	ppb v/v	TO-15
Methyl Butyl Ketone (2-Hexanone)		0.74	J	2.0	ug/m3	TO-15
Ethylbenzene		0.18	J	0.20	ppb v/v	TO-15
Ethylbenzene		0.79	J	0.87	ug/m3	TO-15
m,p-Xylene		0.59		0.50	ppb v/v	TO-15
m,p-Xylene		2.6		2.2	ug/m3	TO-15
Xylene, o-		0.22		0.20	ppb v/v	TO-15
Xylene, o-		0.96		0.87	ug/m3	TO-15
Xylene (total)		0.81		0.20	ppb v/v	TO-15
Xylene (total)		3.5		0.87	ug/m3	TO-15
Styrene		0.23		0.20	ppb v/v	TO-15
Styrene		0.97		0.85	ug/m3	TO-15
4-Ethyltoluene		0.043	J	0.20	ppb v/v	TO-15
4-Ethyltoluene		0.21	J	0.98	ug/m3	TO-15
1,3,5-Trimethylbenzene		0.040	J	0.20	ppb v/v	TO-15
1,3,5-Trimethylbenzene		0.20	J	0.98	ug/m3	TO-15
1,2,4-Trimethylbenzene		0.15	J	0.20	ppb v/v	TO-15
1,2,4-Trimethylbenzene		0.71	J	0.98	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 200-27725-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
200-27725-5	**101IA0305GA**					
n-Butane		12	D	4.0	ppb v/v	TO-15
n-Butane		29	D	9.5	ug/m3	TO-15
Trichlorofluoromethane		0.86	J D	1.6	ppb v/v	TO-15
Trichlorofluoromethane		4.8	J D	9.0	ug/m3	TO-15
Acetone		210	D	40	ppb v/v	TO-15
Acetone		510	D	95	ug/m3	TO-15
Isopropyl alcohol		93	D	40	ppb v/v	TO-15
Isopropyl alcohol		230	D	98	ug/m3	TO-15
Methylene Chloride		1.7	J D	4.0	ppb v/v	TO-15
Methylene Chloride		5.8	J D	14	ug/m3	TO-15
n-Hexane		1.5	J D	1.6	ppb v/v	TO-15
n-Hexane		5.1	J D	5.6	ug/m3	TO-15
Methyl Ethyl Ketone		5.0	D	4.0	ppb v/v	TO-15
Methyl Ethyl Ketone		15	D	12	ug/m3	TO-15
Benzene		0.52	J D	1.6	ppb v/v	TO-15
Benzene		1.7	J D	5.1	ug/m3	TO-15
n-Heptane		0.97	J D	1.6	ppb v/v	TO-15
n-Heptane		4.0	J D	6.6	ug/m3	TO-15
methyl isobutyl ketone		2.8	J D	4.0	ppb v/v	TO-15
methyl isobutyl ketone		11	J D	16	ug/m3	TO-15
Toluene		8.8	D	1.6	ppb v/v	TO-15
Toluene		33	D	6.0	ug/m3	TO-15
Ethylbenzene		0.42	J D	1.6	ppb v/v	TO-15
Ethylbenzene		1.8	J D	6.9	ug/m3	TO-15
m,p-Xylene		1.5	J D	4.0	ppb v/v	TO-15
m,p-Xylene		6.5	J D	17	ug/m3	TO-15
Xylene, o-		0.47	J D	1.6	ppb v/v	TO-15
Xylene, o-		2.0	J D	6.9	ug/m3	TO-15
Xylene (total)		2.0		1.6	ppb v/v	TO-15
Xylene (total)		8.6		6.9	ug/m3	TO-15
1,2,4-Trimethylbenzene		0.44	J D	1.6	ppb v/v	TO-15
1,2,4-Trimethylbenzene		2.2	J D	7.9	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 200-27725-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
200-27725-6	**101IA0405GA**					
Dichlorodifluoromethane		0.47	J D	2.5	ppb v/v	TO-15
Dichlorodifluoromethane		2.3	J D	12	ug/m3	TO-15
n-Butane		4.9	D	2.5	ppb v/v	TO-15
n-Butane		12	D	5.9	ug/m3	TO-15
Trichlorofluoromethane		0.65	J D	1.0	ppb v/v	TO-15
Trichlorofluoromethane		3.7	J D	5.6	ug/m3	TO-15
Acetone		110	D	25	ppb v/v	TO-15
Acetone		260	D	59	ug/m3	TO-15
Isopropyl alcohol		48	D	25	ppb v/v	TO-15
Isopropyl alcohol		120	D	61	ug/m3	TO-15
Methylene Chloride		1.0	J D	2.5	ppb v/v	TO-15
Methylene Chloride		3.5	J D	8.7	ug/m3	TO-15
n-Hexane		0.70	J D	1.0	ppb v/v	TO-15
n-Hexane		2.5	J D	3.5	ug/m3	TO-15
Methyl Ethyl Ketone		2.7	D	2.5	ppb v/v	TO-15
Methyl Ethyl Ketone		7.9	D	7.4	ug/m3	TO-15
Benzene		0.30	J D	1.0	ppb v/v	TO-15
Benzene		0.96	J D	3.2	ug/m3	TO-15
methyl isobutyl ketone		1.5	J D	2.5	ppb v/v	TO-15
methyl isobutyl ketone		6.3	J D	10	ug/m3	TO-15
Toluene		4.4	D	1.0	ppb v/v	TO-15
Toluene		17	D	3.8	ug/m3	TO-15
Ethylbenzene		0.21	J D	1.0	ppb v/v	TO-15
Ethylbenzene		0.90	J D	4.3	ug/m3	TO-15
m,p-Xylene		0.77	J D	2.5	ppb v/v	TO-15
m,p-Xylene		3.3	J D	11	ug/m3	TO-15
Xylene, o-		0.27	J D	1.0	ppb v/v	TO-15
Xylene, o-		1.2	J D	4.3	ug/m3	TO-15
Xylene (total)		1.0		1.0	ppb v/v	TO-15
Xylene (total)		4.5		4.3	ug/m3	TO-15
1,2,4-Trimethylbenzene		0.18	J D	1.0	ppb v/v	TO-15
1,2,4-Trimethylbenzene		0.87	J D	4.9	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 200-27725-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
200-27725-7	**101OA0305GA**					
Dichlorodifluoromethane		0.46	J	0.50	ppb v/v	TO-15
Dichlorodifluoromethane		2.3	J	2.5	ug/m3	TO-15
Freon 22		0.25	J	0.50	ppb v/v	TO-15
Freon 22		0.88	J	1.8	ug/m3	TO-15
Chloromethane		0.59		0.50	ppb v/v	TO-15
Chloromethane		1.2		1.0	ug/m3	TO-15
Trichlorofluoromethane		0.21		0.20	ppb v/v	TO-15
Trichlorofluoromethane		1.2		1.1	ug/m3	TO-15
Freon TF		0.078	J	0.20	ppb v/v	TO-15
Freon TF		0.60	J	1.5	ug/m3	TO-15
Methylene Chloride		0.25	J	0.50	ppb v/v	TO-15
Methylene Chloride		0.88	J	1.7	ug/m3	TO-15
Carbon tetrachloride		0.075	J	0.20	ppb v/v	TO-15
Carbon tetrachloride		0.47	J	1.3	ug/m3	TO-15
Benzene		0.091	J	0.20	ppb v/v	TO-15
Benzene		0.29	J	0.64	ug/m3	TO-15
Toluene		0.034	J	0.20	ppb v/v	TO-15
Toluene		0.13	J	0.75	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 200-27725-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
200-27725-8	**101CA01GA**					
Dichlorodifluoromethane		0.53		0.50	ppb v/v	TO-15
Dichlorodifluoromethane		2.6		2.5	ug/m3	TO-15
Freon 22		0.35	J	0.50	ppb v/v	TO-15
Freon 22		1.2	J	1.8	ug/m3	TO-15
n-Butane		0.54		0.50	ppb v/v	TO-15
n-Butane		1.3		1.2	ug/m3	TO-15
Trichlorofluoromethane		0.61		0.20	ppb v/v	TO-15
Trichlorofluoromethane		3.4		1.1	ug/m3	TO-15
Freon TF		0.12	J	0.20	ppb v/v	TO-15
Freon TF		0.93	J	1.5	ug/m3	TO-15
Acetone		10		5.0	ppb v/v	TO-15
Acetone		24		12	ug/m3	TO-15
Isopropyl alcohol		2.1	J	5.0	ppb v/v	TO-15
Isopropyl alcohol		5.2	J	12	ug/m3	TO-15
Carbon disulfide		0.25	J	0.50	ppb v/v	TO-15
Carbon disulfide		0.79	J	1.6	ug/m3	TO-15
Methylene Chloride		0.27	J	0.50	ppb v/v	TO-15
Methylene Chloride		0.93	J	1.7	ug/m3	TO-15
Methyl Ethyl Ketone		0.82		0.50	ppb v/v	TO-15
Methyl Ethyl Ketone		2.4		1.5	ug/m3	TO-15
Chloroform		19		0.20	ppb v/v	TO-15
Chloroform		92		0.98	ug/m3	TO-15
Tetrahydrofuran		0.26	J	5.0	ppb v/v	TO-15
Tetrahydrofuran		0.77	J	15	ug/m3	TO-15
1,1,1-Trichloroethane		0.33		0.20	ppb v/v	TO-15
1,1,1-Trichloroethane		1.8		1.1	ug/m3	TO-15
Carbon tetrachloride		0.40		0.20	ppb v/v	TO-15
Carbon tetrachloride		2.5		1.3	ug/m3	TO-15
Benzene		0.052	J	0.20	ppb v/v	TO-15
Benzene		0.17	J	0.64	ug/m3	TO-15
Trichloroethene		8.6		0.20	ppb v/v	TO-15
Trichloroethene		46		1.1	ug/m3	TO-15
Bromodichloromethane		0.13	J	0.20	ppb v/v	TO-15
Bromodichloromethane		0.89	J	1.3	ug/m3	TO-15
Toluene		0.28		0.20	ppb v/v	TO-15
Toluene		1.0		0.75	ug/m3	TO-15
Tetrachloroethene		1.7		0.20	ppb v/v	TO-15
Tetrachloroethene		11		1.4	ug/m3	TO-15
Ethylbenzene		0.038	J	0.20	ppb v/v	TO-15
Ethylbenzene		0.16	J	0.87	ug/m3	TO-15
m,p-Xylene		0.15	J	0.50	ppb v/v	TO-15
m,p-Xylene		0.66	J	2.2	ug/m3	TO-15
Xylene, o-		0.059	J	0.20	ppb v/v	TO-15
Xylene, o-		0.25	J	0.87	ug/m3	TO-15
Xylene (total)		0.21		0.20	ppb v/v	TO-15
Xylene (total)		0.91		0.87	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 200-27725-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
1,2,4-Trimethylbenzene		0.028	J	0.20	ppb v/v	TO-15
1,2,4-Trimethylbenzene		0.14	J	0.98	ug/m3	TO-15
200-27725-9TB	**042215TB**					
Methyl Ethyl Ketone		0.59		0.50	ppb v/v	TO-15
Methyl Ethyl Ketone		1.8		1.5	ug/m3	TO-15

METHOD SUMMARY

Client: FPM Remediations Inc

Job Number: 200-27725-1

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: 200-27725-1

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

Client: FPM Remediations Inc

Job Number: 200-27725-1

Client Sample ID: **101VMP0101GA**

Lab Sample ID: 200-27725-1
Client Matrix: Air

Date Sampled: 04/23/2015 1135
Date Received: 04/28/2015 1015

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-87597	Instrument ID:	CHX.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	13349-010.D
Dilution:	1.6			Initial Weight/Volume:	125 mL
Analysis Date:	04/29/2015 1827			Final Weight/Volume:	200 mL
Prep Date:	04/29/2015 1827			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	0.50	J D	0.090	0.80
Freon 22	0.44	J D	0.13	0.80
1,2-Dichlorotetrafluoroethane	0.13	U	0.083	0.32
Chloromethane	0.32	U	0.096	0.80
n-Butane	8.5	D	0.29	0.80
Vinyl chloride	0.048	U	0.042	0.32
1,3-Butadiene	0.13	U	0.058	0.32
Bromomethane	0.13	U	0.070	0.32
Chloroethane	0.13	U	0.098	0.80
Bromoethene(Vinyl Bromide)	0.048	U	0.032	0.32
Trichlorofluoromethane	0.82	D	0.072	0.32
Freon TF	0.088	J D	0.066	0.32
1,1-Dichloroethene	0.048	U	0.016	0.32
Acetone	17	D	1.1	8.0
Isopropyl alcohol	2.9	J D	0.24	8.0
Carbon disulfide	0.67	J D	0.048	0.80
3-Chloropropene	0.32	U	0.26	0.80
Methylene Chloride	0.44	J D	0.19	0.80
tert-Butyl alcohol	0.90	J D	0.19	8.0
Methyl tert-butyl ether	0.048	U	0.035	0.32
trans-1,2-Dichloroethene	0.048	U	0.043	0.32
n-Hexane	0.72	D	0.045	0.32
1,1-Dichloroethane	0.048	U	0.045	0.32
Methyl Ethyl Ketone	16	D	0.15	0.80
cis-1,2-Dichloroethene	0.13	U	0.048	0.32
1,2-Dichloroethene, Total	0.13	U	0.085	0.32
Chloroform	19	D	0.061	0.32
Tetrahydrofuran	54	D	0.29	8.0
1,1,1-Trichloroethane	0.15	J D	0.048	0.32
Cyclohexane	0.33	D	0.016	0.32
Carbon tetrachloride	0.12	J D	0.018	0.32
2,2,4-Trimethylpentane	0.048	U	0.037	0.32
Benzene	0.38	D	0.046	0.32
1,2-Dichloroethane	0.13	U	0.083	0.32
n-Heptane	0.36	D M	0.059	0.32
Trichloroethene	7.8	D	0.048	0.32
Methyl methacrylate	0.32	U	0.15	0.80
1,2-Dichloropropane	0.13	U	0.056	0.32
1,4-Dioxane	0.32	U	0.26	8.0
Bromodichloromethane	0.088	J D	0.046	0.32
cis-1,3-Dichloropropene	0.048	U	0.046	0.32
methyl isobutyl ketone	0.32	U	0.29	0.80
Toluene	1.9	D	0.040	0.32
trans-1,3-Dichloropropene	0.048	U	0.042	0.32
1,1,2-Trichloroethane	0.13	U	0.059	0.32
Tetrachloroethene	0.048	U	0.048	0.32

Client: FPM Remediations Inc | Job Number: 200-27725-1

Client Sample ID: **101VMP0101GA**

Lab Sample ID: 200-27725-1 | Date Sampled: 04/23/2015 1135
Client Matrix: Air | Date Received: 04/28/2015 1015

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-87597	Instrument ID:	CHX.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	13349-010.D
Dilution:	1.6			Initial Weight/Volume:	125 mL
Analysis Date:	04/29/2015 1827			Final Weight/Volume:	200 mL
Prep Date:	04/29/2015 1827			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Methyl Butyl Ketone (2-Hexanone)	0.32	U	0.27	0.80
Dibromochloromethane	0.048	U	0.032	0.32
1,2-Dibromoethane	0.048	U	0.029	0.32
Chlorobenzene	0.048	U	0.029	0.32
Ethylbenzene	0.19	J D	0.032	0.32
m,p-Xylene	0.50	J D	0.040	0.80
Xylene, o-	0.18	J D	0.029	0.32
Xylene (total)	0.68		0.066	0.32
Styrene	0.43	D	0.026	0.32
Bromoform	0.048	U	0.040	0.32
Cumene	0.048	U	0.030	0.32
1,1,2,2-Tetrachloroethane	0.13	U	0.054	0.32
n-Propylbenzene	0.050	J D	0.043	0.32
4-Ethyltoluene	0.071	J D	0.032	0.32
1,3,5-Trimethylbenzene	0.078	J D	0.030	0.32
2-Chlorotoluene	0.13	U	0.050	0.32
tert-Butylbenzene	0.048	U	0.032	0.32
1,2,4-Trimethylbenzene	0.27	J D	0.026	0.32
sec-Butylbenzene	0.048	U	0.034	0.32
4-Isopropyltoluene	0.048	U	0.032	0.32
1,3-Dichlorobenzene	0.19	J D	0.032	0.32
1,4-Dichlorobenzene	0.048	U	0.030	0.32
Benzyl chloride	0.048	U	0.029	0.32
n-Butylbenzene	0.048	U	0.045	0.32
1,2-Dichlorobenzene	0.048	U	0.029	0.32
1,2,4-Trichlorobenzene	0.13	U	0.054	0.80
Hexachlorobutadiene	0.13	U	0.058	0.32
Naphthalene	0.13	U	0.048	0.80

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
Dichlorodifluoromethane	2.5	J D	0.44	4.0
Freon 22	1.6	J D	0.45	2.8
1,2-Dichlorotetrafluoroethane	0.89	U	0.58	2.2
Chloromethane	0.66	U	0.20	1.7
n-Butane	20	D	0.68	1.9
Vinyl chloride	0.12	U	0.11	0.82
1,3-Butadiene	0.28	U	0.13	0.71
Bromomethane	0.50	U	0.27	1.2
Chloroethane	0.34	U	0.26	2.1
Bromoethene(Vinyl Bromide)	0.21	U	0.14	1.4
Trichlorofluoromethane	4.6	D	0.40	1.8
Freon TF	0.68	J D	0.50	2.5
1,1-Dichloroethene	0.19	U	0.063	1.3
Acetone	41	D	2.6	19
Isopropyl alcohol	7.0	J D	0.59	20
Carbon disulfide	2.1	J D	0.15	2.5

Client: FPM Remediations Inc

Job Number: 200-27725-1

Client Sample ID: **101VMP0101GA**

Lab Sample ID: 200-27725-1
Client Matrix: Air

Date Sampled: 04/23/2015 1135
Date Received: 04/28/2015 1015

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-87597	Instrument ID:	CHX.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	13349-010.D
Dilution:	1.6			Initial Weight/Volume:	125 mL
Analysis Date:	04/29/2015 1827			Final Weight/Volume:	200 mL
Prep Date:	04/29/2015 1827			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
3-Chloropropene	1.0	U	0.80	2.5
Methylene Chloride	1.5	J D	0.67	2.8
tert-Butyl alcohol	2.7	J D	0.58	24
Methyl tert-butyl ether	0.17	U	0.13	1.2
trans-1,2-Dichloroethene	0.19	U	0.17	1.3
n-Hexane	2.5	D	0.16	1.1
1,1-Dichloroethane	0.19	U	0.18	1.3
Methyl Ethyl Ketone	49	D	0.43	2.4
cis-1,2-Dichloroethene	0.51	U	0.19	1.3
1,2-Dichloroethene, Total	0.51	U	0.34	1.3
Chloroform	93	D	0.30	1.6
Tetrahydrofuran	160	D	0.85	24
1,1,1-Trichloroethane	0.79	J D	0.26	1.7
Cyclohexane	1.1	D	0.055	1.1
Carbon tetrachloride	0.76	J D	0.11	2.0
2,2,4-Trimethylpentane	0.22	U	0.17	1.5
Benzene	1.2	D	0.15	1.0
1,2-Dichloroethane	0.52	U	0.34	1.3
n-Heptane	1.5	D M	0.24	1.3
Trichloroethene	42	D	0.26	1.7
Methyl methacrylate	1.3	U	0.63	3.3
1,2-Dichloropropane	0.59	U	0.26	1.5
1,4-Dioxane	1.2	U	0.92	29
Bromodichloromethane	0.59	J D	0.31	2.1
cis-1,3-Dichloropropene	0.22	U	0.21	1.5
methyl isobutyl ketone	1.3	U	1.2	3.3
Toluene	7.2	D	0.15	1.2
trans-1,3-Dichloropropene	0.22	U	0.19	1.5
1,1,2-Trichloroethane	0.70	U	0.32	1.7
Tetrachloroethene	0.33	U	0.33	2.2
Methyl Butyl Ketone (2-Hexanone)	1.3	U	1.1	3.3
Dibromochloromethane	0.41	U	0.27	2.7
1,2-Dibromoethane	0.37	U	0.22	2.5
Chlorobenzene	0.22	U	0.13	1.5
Ethylbenzene	0.84	J D	0.14	1.4
m,p-Xylene	2.2	J D	0.17	3.5
Xylene, o-	0.79	J D	0.13	1.4
Xylene (total)	3.0		0.28	1.4
Styrene	1.8	D	0.11	1.4
Bromoform	0.50	U	0.41	3.3
Cumene	0.24	U	0.15	1.6
1,1,2,2-Tetrachloroethane	0.88	U	0.37	2.2
n-Propylbenzene	0.25	J D	0.21	1.6
4-Ethyltoluene	0.35	J D	0.16	1.6
1,3,5-Trimethylbenzene	0.38	J D	0.15	1.6
2-Chlorotoluene	0.66	U	0.26	1.7

Client: FPM Remediations Inc Job Number: 200-27725-1

Client Sample ID: **101VMP0101GA**

Lab Sample ID: 200-27725-1 Date Sampled: 04/23/2015 1135
Client Matrix: Air Date Received: 04/28/2015 1015

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-87597	Instrument ID:	CHX.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	13349-010.D
Dilution:	1.6			Initial Weight/Volume:	125 mL
Analysis Date:	04/29/2015 1827			Final Weight/Volume:	200 mL
Prep Date:	04/29/2015 1827			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
tert-Butylbenzene	0.26	U	0.18	1.8
1,2,4-Trimethylbenzene	1.3	J D	0.13	1.6
sec-Butylbenzene	0.26	U	0.18	1.8
4-Isopropyltoluene	0.26	U	0.18	1.8
1,3-Dichlorobenzene	1.1	J D	0.19	1.9
1,4-Dichlorobenzene	0.29	U	0.18	1.9
Benzyl chloride	0.25	U	0.15	1.7
n-Butylbenzene	0.26	U	0.25	1.8
1,2-Dichlorobenzene	0.29	U	0.17	1.9
1,2,4-Trichlorobenzene	0.95	U	0.40	5.9
Hexachlorobutadiene	1.4	U	0.61	3.4
Naphthalene	0.67	U	0.25	4.2

Client: FPM Remediations Inc

Job Number: 200-27725-1

Client Sample ID: **101VMP0201GA**

Lab Sample ID: 200-27725-2
Client Matrix: Air

Date Sampled: 04/23/2015 1150
Date Received: 04/28/2015 1015

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-87597	Instrument ID:	CHX.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	13349-011.D
Dilution:	5.0			Initial Weight/Volume:	40 mL
Analysis Date:	04/29/2015 1917			Final Weight/Volume:	200 mL
Prep Date:	04/29/2015 1917			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	0.47	J D	0.28	2.5
Freon 22	0.40	J D	0.40	2.5
1,2-Dichlorotetrafluoroethane	0.40	U	0.26	1.0
Chloromethane	1.0	U	0.30	2.5
n-Butane	1.0	U	0.90	2.5
Vinyl chloride	0.15	U	0.13	1.0
1,3-Butadiene	0.40	U	0.18	1.0
Bromomethane	0.40	U	0.22	1.0
Chloroethane	0.40	U	0.31	2.5
Bromoethene(Vinyl Bromide)	0.15	U	0.10	1.0
Trichlorofluoromethane	0.60	J D	0.23	1.0
Freon TF	0.40	U	0.21	1.0
1,1-Dichloroethene	0.15	U	0.050	1.0
Acetone	17	J D	3.5	25
Isopropyl alcohol	3.2	J D	0.75	25
Carbon disulfide	1.8	J D	0.15	2.5
3-Chloropropene	1.0	U	0.80	2.5
Methylene Chloride	1.1	J D	0.60	2.5
tert-Butyl alcohol	1.0	U	0.60	25
Methyl tert-butyl ether	0.15	U	0.11	1.0
trans-1,2-Dichloroethene	0.15	U	0.14	1.0
n-Hexane	0.15	U	0.14	1.0
1,1-Dichloroethane	0.15	U	0.14	1.0
Methyl Ethyl Ketone	11	D	0.46	2.5
cis-1,2-Dichloroethene	0.40	U	0.15	1.0
1,2-Dichloroethene, Total	0.40	U	0.27	1.0
Chloroform	0.40	U	0.19	1.0
Tetrahydrofuran	48	D	0.90	25
1,1,1-Trichloroethane	0.40	U	0.15	1.0
Cyclohexane	0.15	U	0.050	1.0
Carbon tetrachloride	0.15	U	0.055	1.0
2,2,4-Trimethylpentane	0.15	U	0.12	1.0
Benzene	1.0	D	0.15	1.0
1,2-Dichloroethane	0.40	U	0.26	1.0
n-Heptane	0.40	U	0.19	1.0
Trichloroethene	22	D	0.15	1.0
Methyl methacrylate	1.0	U	0.48	2.5
1,2-Dichloropropane	0.40	U	0.18	1.0
1,4-Dioxane	1.0	U	0.80	25
Bromodichloromethane	0.15	U	0.15	1.0
cis-1,3-Dichloropropene	0.15	U	0.15	1.0
methyl isobutyl ketone	1.1	J D	0.90	2.5
Toluene	46	D	0.13	1.0
trans-1,3-Dichloropropene	0.15	U	0.13	1.0
1,1,2-Trichloroethane	0.40	U	0.19	1.0
Tetrachloroethene	1.5	D	0.15	1.0

Client: FPM Remediations Inc | Job Number: 200-27725-1

Client Sample ID: **101VMP0201GA**

Lab Sample ID: 200-27725-2 | Date Sampled: 04/23/2015 1150
Client Matrix: Air | Date Received: 04/28/2015 1015

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-87597	Instrument ID:	CHX.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	13349-011.D
Dilution:	5.0			Initial Weight/Volume:	40 mL
Analysis Date:	04/29/2015 1917			Final Weight/Volume:	200 mL
Prep Date:	04/29/2015 1917			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Methyl Butyl Ketone (2-Hexanone)	1.0	U	0.85	2.5
Dibromochloromethane	0.15	U	0.10	1.0
1,2-Dibromoethane	0.15	U	0.090	1.0
Chlorobenzene	0.15	U	0.090	1.0
Ethylbenzene	89	D	0.10	1.0
m,p-Xylene	370	D	0.13	2.5
Xylene, o-	110	D	0.090	1.0
Xylene (total)	480		0.21	1.0
Styrene	1.5	D	0.080	1.0
Bromoform	0.15	U	0.13	1.0
Cumene	0.15	U	0.095	1.0
1,1,2,2-Tetrachloroethane	0.40	U	0.17	1.0
n-Propylbenzene	0.15	U	0.14	1.0
4-Ethyltoluene	3.1	D	0.10	1.0
1,3,5-Trimethylbenzene	4.1	D	0.095	1.0
2-Chlorotoluene	0.40	U	0.16	1.0
tert-Butylbenzene	0.15	U	0.10	1.0
1,2,4-Trimethylbenzene	7.4	D	0.080	1.0
sec-Butylbenzene	0.15	U	0.11	1.0
4-Isopropyltoluene	0.47	J D	0.10	1.0
1,3-Dichlorobenzene	0.15	U	0.10	1.0
1,4-Dichlorobenzene	0.15	U	0.095	1.0
Benzyl chloride	0.15	U	0.090	1.0
n-Butylbenzene	0.15	U	0.14	1.0
1,2-Dichlorobenzene	0.15	U	0.090	1.0
1,2,4-Trichlorobenzene	0.40	U	0.17	2.5
Hexachlorobutadiene	0.40	U	0.18	1.0
Naphthalene	0.40	U	0.15	2.5

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
Dichlorodifluoromethane	2.3	J D	1.4	12
Freon 22	1.4	J D	1.4	8.8
1,2-Dichlorotetrafluoroethane	2.8	U	1.8	7.0
Chloromethane	2.1	U	0.62	5.2
n-Butane	2.4	U	2.1	5.9
Vinyl chloride	0.38	U	0.33	2.6
1,3-Butadiene	0.88	U	0.40	2.2
Bromomethane	1.6	U	0.85	3.9
Chloroethane	1.1	U	0.80	6.6
Bromoethene(Vinyl Bromide)	0.66	U	0.44	4.4
Trichlorofluoromethane	3.4	J D	1.3	5.6
Freon TF	3.1	U	1.6	7.7
1,1-Dichloroethene	0.59	U	0.20	4.0
Acetone	41	J D	8.2	59
Isopropyl alcohol	7.9	J D	1.8	61
Carbon disulfide	5.7	J D	0.47	7.8

Client: FPM Remediations Inc

Job Number: 200-27725-1

Client Sample ID: **101VMP0201GA**

Lab Sample ID: 200-27725-2
Client Matrix: Air

Date Sampled: 04/23/2015 1150
Date Received: 04/28/2015 1015

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-87597	Instrument ID:	CHX.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	13349-011.D
Dilution:	5.0			Initial Weight/Volume:	40 mL
Analysis Date:	04/29/2015 1917			Final Weight/Volume:	200 mL
Prep Date:	04/29/2015 1917			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
3-Chloropropene	3.1	U	2.5	7.8
Methylene Chloride	3.7	J D	2.1	8.7
tert-Butyl alcohol	3.0	U	1.8	76
Methyl tert-butyl ether	0.54	U	0.40	3.6
trans-1,2-Dichloroethene	0.59	U	0.54	4.0
n-Hexane	0.53	U	0.49	3.5
1,1-Dichloroethane	0.61	U	0.57	4.0
Methyl Ethyl Ketone	33	D	1.4	7.4
cis-1,2-Dichloroethene	1.6	U	0.59	4.0
1,2-Dichloroethene, Total	1.6	U	1.1	4.0
Chloroform	2.0	U	0.93	4.9
Tetrahydrofuran	140	D	2.7	74
1,1,1-Trichloroethane	2.2	U	0.82	5.5
Cyclohexane	0.52	U	0.17	3.4
Carbon tetrachloride	0.94	U	0.35	6.3
2,2,4-Trimethylpentane	0.70	U	0.54	4.7
Benzene	3.3	D	0.46	3.2
1,2-Dichloroethane	1.6	U	1.1	4.0
n-Heptane	1.6	U	0.76	4.1
Trichloroethene	120	D	0.81	5.4
Methyl methacrylate	4.1	U	2.0	10
1,2-Dichloropropane	1.8	U	0.81	4.6
1,4-Dioxane	3.6	U	2.9	90
Bromodichloromethane	1.0	U	0.97	6.7
cis-1,3-Dichloropropene	0.68	U	0.66	4.5
methyl isobutyl ketone	4.3	J D	3.7	10
Toluene	170	D	0.47	3.8
trans-1,3-Dichloropropene	0.68	U	0.59	4.5
1,1,2-Trichloroethane	2.2	U	1.0	5.5
Tetrachloroethene	10	D	1.0	6.8
Methyl Butyl Ketone (2-Hexanone)	4.1	U	3.5	10
Dibromochloromethane	1.3	U	0.85	8.5
1,2-Dibromoethane	1.2	U	0.69	7.7
Chlorobenzene	0.69	U	0.41	4.6
Ethylbenzene	390	D	0.43	4.3
m,p-Xylene	1600	D	0.54	11
Xylene, o-	460	D	0.39	4.3
Xylene (total)	2100		0.89	4.3
Styrene	6.4	D	0.34	4.3
Bromoform	1.6	U	1.3	10
Cumene	0.74	U	0.47	4.9
1,1,2,2-Tetrachloroethane	2.7	U	1.2	6.9
n-Propylbenzene	0.74	U	0.66	4.9
4-Ethyltoluene	15	D	0.49	4.9
1,3,5-Trimethylbenzene	20	D	0.47	4.9
2-Chlorotoluene	2.1	U	0.80	5.2

Client: FPM Remediations Inc Job Number: 200-27725-1

Client Sample ID: **101VMP0201GA**

Lab Sample ID: 200-27725-2 Date Sampled: 04/23/2015 1150
Client Matrix: Air Date Received: 04/28/2015 1015

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-87597	Instrument ID:	CHX.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	13349-011.D
Dilution:	5.0			Initial Weight/Volume:	40 mL
Analysis Date:	04/29/2015 1917			Final Weight/Volume:	200 mL
Prep Date:	04/29/2015 1917			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
tert-Butylbenzene	0.82	U	0.55	5.5
1,2,4-Trimethylbenzene	36	D	0.39	4.9
sec-Butylbenzene	0.82	U	0.58	5.5
4-Isopropyltoluene	2.6	J D	0.55	5.5
1,3-Dichlorobenzene	0.90	U	0.60	6.0
1,4-Dichlorobenzene	0.90	U	0.57	6.0
Benzyl chloride	0.78	U	0.47	5.2
n-Butylbenzene	0.82	U	0.77	5.5
1,2-Dichlorobenzene	0.90	U	0.54	6.0
1,2,4-Trichlorobenzene	3.0	U	1.3	19
Hexachlorobutadiene	4.3	U	1.9	11
Naphthalene	2.1	U	0.79	13

Client: FPM Remediations Inc

Job Number: 200-27725-1

Client Sample ID: **101VMP0301GA**

Lab Sample ID: 200-27725-3
Client Matrix: Air

Date Sampled: 04/23/2015 1130
Date Received: 04/28/2015 1015

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-87597	Instrument ID:	CHX.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	13349-012.D
Dilution:	24.6			Initial Weight/Volume:	30 mL
Analysis Date:	04/29/2015 2006			Final Weight/Volume:	200 mL
Prep Date:	04/29/2015 2006			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	4.9	U	1.4	12
Freon 22	4.9	U	2.0	12
1,2-Dichlorotetrafluoroethane	2.0	U	1.3	4.9
Chloromethane	4.9	U	1.5	12
n-Butane	4.9	U	4.4	12
Vinyl chloride	0.74	U	0.64	4.9
1,3-Butadiene	2.0	U	0.89	4.9
Bromomethane	2.0	U	1.1	4.9
Chloroethane	2.0	U	1.5	12
Bromoethene(Vinyl Bromide)	0.74	U	0.49	4.9
Trichlorofluoromethane	2.0	U	1.1	4.9
Freon TF	2.0	U	1.0	4.9
1,1-Dichloroethene	0.74	U	0.25	4.9
Acetone	150	D	17	120
Isopropyl alcohol	12	U	3.7	120
Carbon disulfide	2.0	U	0.74	12
3-Chloropropene	4.9	U	3.9	12
Methylene Chloride	4.9	U	3.0	12
tert-Butyl alcohol	4.9	U	3.0	120
Methyl tert-butyl ether	0.74	U	0.54	4.9
trans-1,2-Dichloroethene	0.74	U	0.66	4.9
n-Hexane	0.74	U	0.69	4.9
1,1-Dichloroethane	0.74	U	0.69	4.9
Methyl Ethyl Ketone	200	D	2.3	12
cis-1,2-Dichloroethene	2.0	U	0.74	4.9
1,2-Dichloroethene, Total	2.0	U	1.3	4.9
Chloroform	2.0	U	0.93	4.9
Tetrahydrofuran	760	D	4.4	120
1,1,1-Trichloroethane	2.0	U	0.74	4.9
Cyclohexane	0.74	U	0.25	4.9
Carbon tetrachloride	0.74	U	0.27	4.9
2,2,4-Trimethylpentane	0.74	U	0.57	4.9
Benzene	0.74	U	0.71	4.9
1,2-Dichloroethane	2.0	U	1.3	4.9
n-Heptane	2.0	U	0.91	4.9
Trichloroethene	6.3	D	0.74	4.9
Methyl methacrylate	4.9	U	2.4	12
1,2-Dichloropropane	2.0	U	0.86	4.9
1,4-Dioxane	4.9	U	3.9	120
Bromodichloromethane	0.74	U	0.71	4.9
cis-1,3-Dichloropropene	0.74	U	0.71	4.9
methyl isobutyl ketone	80	D	4.4	12
Toluene	240	D	0.62	4.9
trans-1,3-Dichloropropene	0.74	U	0.64	4.9
1,1,2-Trichloroethane	2.0	U	0.91	4.9
Tetrachloroethene	2.9	J D	0.74	4.9

Client: FPM Remediations Inc | Job Number: 200-27725-1

Client Sample ID: **101VMP0301GA**

Lab Sample ID: 200-27725-3 | Date Sampled: 04/23/2015 1130
Client Matrix: Air | Date Received: 04/28/2015 1015

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-87597	Instrument ID:	CHX.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	13349-012.D
Dilution:	24.6			Initial Weight/Volume:	30 mL
Analysis Date:	04/29/2015 2006			Final Weight/Volume:	200 mL
Prep Date:	04/29/2015 2006			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Methyl Butyl Ketone (2-Hexanone)	4.9	U	4.2	12
Dibromochloromethane	0.74	U	0.49	4.9
1,2-Dibromoethane	0.74	U	0.44	4.9
Chlorobenzene	0.74	U	0.44	4.9
Ethylbenzene	4.7	J D	0.49	4.9
m,p-Xylene	18	D	0.62	12
Xylene, o-	6.9	D	0.44	4.9
Xylene (total)	25		1.0	4.9
Styrene	2.7	J D	0.39	4.9
Bromoform	0.74	U	0.62	4.9
Cumene	0.74	U	0.47	4.9
1,1,2,2-Tetrachloroethane	2.0	U	0.84	4.9
n-Propylbenzene	0.74	U	0.66	4.9
4-Ethyltoluene	0.74	U	0.49	4.9
1,3,5-Trimethylbenzene	0.74	U	0.47	4.9
2-Chlorotoluene	2.0	U	0.76	4.9
tert-Butylbenzene	0.74	U	0.49	4.9
1,2,4-Trimethylbenzene	0.74	U	0.39	4.9
sec-Butylbenzene	0.74	U	0.52	4.9
4-Isopropyltoluene	0.74	U	0.49	4.9
1,3-Dichlorobenzene	0.74	U	0.49	4.9
1,4-Dichlorobenzene	0.74	U	0.47	4.9
Benzyl chloride	0.74	U	0.44	4.9
n-Butylbenzene	0.74	U	0.69	4.9
1,2-Dichlorobenzene	0.74	U	0.44	4.9
1,2,4-Trichlorobenzene	2.0	U	0.84	12
Hexachlorobutadiene	2.0	U	0.89	4.9
Naphthalene	2.0	U	0.74	12

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
Dichlorodifluoromethane	24	U	6.8	61
Freon 22	17	U	7.0	44
1,2-Dichlorotetrafluoroethane	14	U	8.9	34
Chloromethane	10	U	3.0	25
n-Butane	12	U	11	29
Vinyl chloride	1.9	U	1.6	13
1,3-Butadiene	4.4	U	2.0	11
Bromomethane	7.6	U	4.2	19
Chloroethane	5.2	U	4.0	32
Bromoethene(Vinyl Bromide)	3.2	U	2.2	22
Trichlorofluoromethane	11	U	6.2	28
Freon TF	15	U	7.7	38
1,1-Dichloroethene	2.9	U	0.98	20
Acetone	370	D	40	290
Isopropyl alcohol	30	U	9.1	300
Carbon disulfide	6.1	U	2.3	38

Client: FPM Remediations Inc

Job Number: 200-27725-1

Client Sample ID: **101VMP0301GA**

Lab Sample ID: 200-27725-3
Client Matrix: Air

Date Sampled: 04/23/2015 1130
Date Received: 04/28/2015 1015

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-87597	Instrument ID:	CHX.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	13349-012.D
Dilution:	24.6			Initial Weight/Volume:	30 mL
Analysis Date:	04/29/2015 2006			Final Weight/Volume:	200 mL
Prep Date:	04/29/2015 2006			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
3-Chloropropene	15	U	12	38
Methylene Chloride	17	U	10	43
tert-Butyl alcohol	15	U	8.9	370
Methyl tert-butyl ether	2.7	U	2.0	18
trans-1,2-Dichloroethene	2.9	U	2.6	20
n-Hexane	2.6	U	2.4	17
1,1-Dichloroethane	3.0	U	2.8	20
Methyl Ethyl Ketone	590	D	6.7	36
cis-1,2-Dichloroethene	7.8	U	2.9	20
1,2-Dichloroethene, Total	7.8	U	5.2	20
Chloroform	9.6	U	4.6	24
Tetrahydrofuran	2200	D	13	360
1,1,1-Trichloroethane	11	U	4.0	27
Cyclohexane	2.5	U	0.85	17
Carbon tetrachloride	4.6	U	1.7	31
2,2,4-Trimethylpentane	3.4	U	2.6	23
Benzene	2.4	U	2.3	16
1,2-Dichloroethane	8.0	U	5.2	20
n-Heptane	8.1	U	3.7	20
Trichloroethene	34	D	4.0	26
Methyl methacrylate	20	U	9.7	50
1,2-Dichloropropane	9.1	U	4.0	23
1,4-Dioxane	18	U	14	440
Bromodichloromethane	4.9	U	4.8	33
cis-1,3-Dichloropropene	3.3	U	3.2	22
methyl isobutyl ketone	330	D	18	50
Toluene	920	D	2.3	19
trans-1,3-Dichloropropene	3.3	U	2.9	22
1,1,2-Trichloroethane	11	U	5.0	27
Tetrachloroethene	20	J D	5.0	33
Methyl Butyl Ketone (2-Hexanone)	20	U	17	50
Dibromochloromethane	6.3	U	4.2	42
1,2-Dibromoethane	5.7	U	3.4	38
Chlorobenzene	3.4	U	2.0	23
Ethylbenzene	21	J D	2.1	21
m,p-Xylene	80	D	2.7	53
Xylene, o-	30	D	1.9	21
Xylene (total)	110		4.4	21
Styrene	12	J D	1.7	21
Bromoform	7.6	U	6.4	51
Cumene	3.6	U	2.3	24
1,1,2,2-Tetrachloroethane	14	U	5.7	34
n-Propylbenzene	3.6	U	3.3	24
4-Ethyltoluene	3.6	U	2.4	24
1,3,5-Trimethylbenzene	3.6	U	2.3	24
2-Chlorotoluene	10	U	3.9	25

Client: FPM Remediations Inc

Job Number: 200-27725-1

Client Sample ID: **101VMP0301GA**

Lab Sample ID: 200-27725-3
Client Matrix: Air

Date Sampled: 04/23/2015 1130
Date Received: 04/28/2015 1015

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-87597	Instrument ID:	CHX.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	13349-012.D
Dilution:	24.6			Initial Weight/Volume:	30 mL
Analysis Date:	04/29/2015 2006			Final Weight/Volume:	200 mL
Prep Date:	04/29/2015 2006			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
tert-Butylbenzene	4.1	U	2.7	27
1,2,4-Trimethylbenzene	3.6	U	1.9	24
sec-Butylbenzene	4.1	U	2.8	27
4-Isopropyltoluene	4.1	U	2.7	27
1,3-Dichlorobenzene	4.4	U	3.0	30
1,4-Dichlorobenzene	4.4	U	2.8	30
Benzyl chloride	3.8	U	2.3	25
n-Butylbenzene	4.1	U	3.8	27
1,2-Dichlorobenzene	4.4	U	2.7	30
1,2,4-Trichlorobenzene	15	U	6.2	91
Hexachlorobutadiene	21	U	9.4	52
Naphthalene	10	U	3.9	64

Client: FPM Remediations Inc | Job Number: 200-27725-1

Client Sample ID: **101VMP0101GC**

Lab Sample ID: 200-27725-4 | Date Sampled: 04/23/2015 1135
Client Matrix: Air | Date Received: 04/28/2015 1015

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-87597	Instrument ID:	CHX.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	13349-013.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	04/29/2015 2055			Final Weight/Volume:	200 mL
Prep Date:	04/29/2015 2055			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	0.46	J	0.056	0.50
Freon 22	0.45	J	0.080	0.50
1,2-Dichlorotetrafluoroethane	0.080	U	0.052	0.20
Chloromethane	0.20	U	0.060	0.50
n-Butane	8.6		0.18	0.50
Vinyl chloride	0.030	U	0.026	0.20
1,3-Butadiene	0.080	U	0.036	0.20
Bromomethane	0.080	U	0.044	0.20
Chloroethane	0.080	U	0.061	0.50
Bromoethene(Vinyl Bromide)	0.030	U	0.020	0.20
Trichlorofluoromethane	0.80		0.045	0.20
Freon TF	0.093	J	0.041	0.20
1,1-Dichloroethene	0.030	U	0.010	0.20
Acetone	21		0.69	5.0
Isopropyl alcohol	3.4	J	0.15	5.0
Carbon disulfide	1.5		0.030	0.50
3-Chloropropene	0.20	U	0.16	0.50
Methylene Chloride	0.35	J	0.12	0.50
tert-Butyl alcohol	1.3	J	0.12	5.0
Methyl tert-butyl ether	0.030	U	0.022	0.20
trans-1,2-Dichloroethene	0.030	U	0.027	0.20
n-Hexane	0.73		0.028	0.20
1,1-Dichloroethane	0.033	J	0.028	0.20
Methyl Ethyl Ketone	12		0.092	0.50
cis-1,2-Dichloroethene	0.080	U	0.030	0.20
1,2-Dichloroethene, Total	0.080	U	0.053	0.20
Chloroform	17		0.038	0.20
Tetrahydrofuran	39		0.18	5.0
1,1,1-Trichloroethane	0.14	J	0.030	0.20
Cyclohexane	0.30		0.010	0.20
Carbon tetrachloride	0.12	J	0.011	0.20
2,2,4-Trimethylpentane	0.13	J	0.023	0.20
Benzene	0.38		0.029	0.20
1,2-Dichloroethane	0.080	U	0.052	0.20
n-Heptane	0.35	M	0.037	0.20
Trichloroethene	6.8		0.030	0.20
Methyl methacrylate	0.20	U	0.096	0.50
1,2-Dichloropropane	0.080	U	0.035	0.20
1,4-Dioxane	0.20	U	0.16	5.0
Bromodichloromethane	0.070	J	0.029	0.20
cis-1,3-Dichloropropene	0.030	U	0.029	0.20
methyl isobutyl ketone	0.29	J	0.18	0.50
Toluene	2.1		0.025	0.20
trans-1,3-Dichloropropene	0.030	U	0.026	0.20
1,1,2-Trichloroethane	0.080	U	0.037	0.20
Tetrachloroethene	0.037	J	0.030	0.20

Client: FPM Remediations Inc | Job Number: 200-27725-1

Client Sample ID: **101VMP0101GC**

Lab Sample ID: 200-27725-4 | Date Sampled: 04/23/2015 1135
Client Matrix: Air | Date Received: 04/28/2015 1015

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-87597	Instrument ID:	CHX.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	13349-013.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	04/29/2015 2055			Final Weight/Volume:	200 mL
Prep Date:	04/29/2015 2055			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Methyl Butyl Ketone (2-Hexanone)	0.18	J	0.17	0.50
Dibromochloromethane	0.030	U	0.020	0.20
1,2-Dibromoethane	0.030	U	0.018	0.20
Chlorobenzene	0.030	U	0.018	0.20
Ethylbenzene	0.18	J	0.020	0.20
m,p-Xylene	0.59		0.025	0.50
Xylene, o-	0.22		0.018	0.20
Xylene (total)	0.81		0.041	0.20
Styrene	0.23		0.016	0.20
Bromoform	0.030	U	0.025	0.20
Cumene	0.030	U	0.019	0.20
1,1,2,2-Tetrachloroethane	0.080	U	0.034	0.20
n-Propylbenzene	0.030	U	0.027	0.20
4-Ethyltoluene	0.043	J	0.020	0.20
1,3,5-Trimethylbenzene	0.040	J	0.019	0.20
2-Chlorotoluene	0.080	U	0.031	0.20
tert-Butylbenzene	0.030	U	0.020	0.20
1,2,4-Trimethylbenzene	0.15	J	0.016	0.20
sec-Butylbenzene	0.030	U	0.021	0.20
4-Isopropyltoluene	0.030	U	0.020	0.20
1,3-Dichlorobenzene	0.030	U	0.020	0.20
1,4-Dichlorobenzene	0.030	U	0.019	0.20
Benzyl chloride	0.030	U	0.018	0.20
n-Butylbenzene	0.030	U	0.028	0.20
1,2-Dichlorobenzene	0.030	U	0.018	0.20
1,2,4-Trichlorobenzene	0.080	U	0.034	0.50
Hexachlorobutadiene	0.080	U	0.036	0.20
Naphthalene	0.080	U	0.030	0.50

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
Dichlorodifluoromethane	2.3	J	0.28	2.5
Freon 22	1.6	J	0.28	1.8
1,2-Dichlorotetrafluoroethane	0.56	U	0.36	1.4
Chloromethane	0.41	U	0.12	1.0
n-Butane	21		0.43	1.2
Vinyl chloride	0.077	U	0.066	0.51
1,3-Butadiene	0.18	U	0.080	0.44
Bromomethane	0.31	U	0.17	0.78
Chloroethane	0.21	U	0.16	1.3
Bromoethene(Vinyl Bromide)	0.13	U	0.087	0.87
Trichlorofluoromethane	4.5		0.25	1.1
Freon TF	0.72	J	0.31	1.5
1,1-Dichloroethene	0.12	U	0.040	0.79
Acetone	49		1.6	12
Isopropyl alcohol	8.4	J	0.37	12
Carbon disulfide	4.5		0.093	1.6

Client: FPM Remediations Inc

Job Number: 200-27725-1

Client Sample ID: **101VMP0101GC**

Lab Sample ID: 200-27725-4
Client Matrix: Air

Date Sampled: 04/23/2015 1135
Date Received: 04/28/2015 1015

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-87597	Instrument ID:	CHX.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	13349-013.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	04/29/2015 2055			Final Weight/Volume:	200 mL
Prep Date:	04/29/2015 2055			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
3-Chloropropene	0.63	U	0.50	1.6
Methylene Chloride	1.2	J	0.42	1.7
tert-Butyl alcohol	3.9	J	0.36	15
Methyl tert-butyl ether	0.11	U	0.079	0.72
trans-1,2-Dichloroethene	0.12	U	0.11	0.79
n-Hexane	2.6		0.099	0.70
1,1-Dichloroethane	0.13	J	0.11	0.81
Methyl Ethyl Ketone	36		0.27	1.5
cis-1,2-Dichloroethene	0.32	U	0.12	0.79
1,2-Dichloroethene, Total	0.32	U	0.21	0.79
Chloroform	83		0.19	0.98
Tetrahydrofuran	110		0.53	15
1,1,1-Trichloroethane	0.76	J	0.16	1.1
Cyclohexane	1.0		0.034	0.69
Carbon tetrachloride	0.74	J	0.069	1.3
2,2,4-Trimethylpentane	0.60	J	0.11	0.93
Benzene	1.2		0.093	0.64
1,2-Dichloroethane	0.32	U	0.21	0.81
n-Heptane	1.4	M	0.15	0.82
Trichloroethene	36		0.16	1.1
Methyl methacrylate	0.82	U	0.39	2.0
1,2-Dichloropropane	0.37	U	0.16	0.92
1,4-Dioxane	0.72	U	0.58	18
Bromodichloromethane	0.47	J	0.19	1.3
cis-1,3-Dichloropropene	0.14	U	0.13	0.91
methyl isobutyl ketone	1.2	J	0.74	2.0
Toluene	7.9		0.094	0.75
trans-1,3-Dichloropropene	0.14	U	0.12	0.91
1,1,2-Trichloroethane	0.44	U	0.20	1.1
Tetrachloroethene	0.25	J	0.20	1.4
Methyl Butyl Ketone (2-Hexanone)	0.74	J	0.70	2.0
Dibromochloromethane	0.26	U	0.17	1.7
1,2-Dibromoethane	0.23	U	0.14	1.5
Chlorobenzene	0.14	U	0.083	0.92
Ethylbenzene	0.79	J	0.087	0.87
m,p-Xylene	2.6		0.11	2.2
Xylene, o-	0.96		0.078	0.87
Xylene (total)	3.5		0.18	0.87
Styrene	0.97		0.068	0.85
Bromoform	0.31	U	0.26	2.1
Cumene	0.15	U	0.093	0.98
1,1,2,2-Tetrachloroethane	0.55	U	0.23	1.4
n-Propylbenzene	0.15	U	0.13	0.98
4-Ethyltoluene	0.21	J	0.098	0.98
1,3,5-Trimethylbenzene	0.20	J	0.093	0.98
2-Chlorotoluene	0.41	U	0.16	1.0

Client: FPM Remediations Inc

Job Number: 200-27725-1

Client Sample ID: **101VMP0101GC**

Lab Sample ID: 200-27725-4
Client Matrix: Air

Date Sampled: 04/23/2015 1135
Date Received: 04/28/2015 1015

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-87597	Instrument ID:	CHX.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	13349-013.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	04/29/2015 2055			Final Weight/Volume:	200 mL
Prep Date:	04/29/2015 2055			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
tert-Butylbenzene	0.16	U	0.11	1.1
1,2,4-Trimethylbenzene	0.71	J	0.079	0.98
sec-Butylbenzene	0.16	U	0.12	1.1
4-Isopropyltoluene	0.16	U	0.11	1.1
1,3-Dichlorobenzene	0.18	U	0.12	1.2
1,4-Dichlorobenzene	0.18	U	0.11	1.2
Benzyl chloride	0.16	U	0.093	1.0
n-Butylbenzene	0.16	U	0.15	1.1
1,2-Dichlorobenzene	0.18	U	0.11	1.2
1,2,4-Trichlorobenzene	0.59	U	0.25	3.7
Hexachlorobutadiene	0.85	U	0.38	2.1
Naphthalene	0.42	U	0.16	2.6

Client: FPM Remediations Inc | Job Number: 200-27725-1

Client Sample ID: **101IA0305GA**

Lab Sample ID: 200-27725-5 | Date Sampled: 04/23/2015 1115
Client Matrix: Air | Date Received: 04/28/2015 1015

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-87597	Instrument ID:	CHX.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	13349-021.D
Dilution:	8.0			Initial Weight/Volume:	25 mL
Analysis Date:	04/30/2015 0801			Final Weight/Volume:	200 mL
Prep Date:	04/30/2015 0801			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	1.6	U	0.45	4.0
Freon 22	1.6	U	0.64	4.0
1,2-Dichlorotetrafluoroethane	0.64	U	0.42	1.6
Chloromethane	1.6	U	0.48	4.0
n-Butane	12	D	1.4	4.0
Vinyl chloride	0.24	U	0.21	1.6
1,3-Butadiene	0.64	U	0.29	1.6
Bromomethane	0.64	U	0.35	1.6
Chloroethane	0.64	U	0.49	4.0
Bromoethene(Vinyl Bromide)	0.24	U	0.16	1.6
Trichlorofluoromethane	0.86	J D	0.36	1.6
Freon TF	0.64	U	0.33	1.6
1,1-Dichloroethene	0.24	U	0.080	1.6
Acetone	210	D	5.5	40
Isopropyl alcohol	93	D	1.2	40
Carbon disulfide	0.64	U	0.24	4.0
3-Chloropropene	1.6	U	1.3	4.0
Methylene Chloride	1.7	J D	0.96	4.0
tert-Butyl alcohol	1.6	U	0.96	40
Methyl tert-butyl ether	0.24	U	0.18	1.6
trans-1,2-Dichloroethene	0.24	U	0.22	1.6
n-Hexane	1.5	J D	0.22	1.6
1,1-Dichloroethane	0.24	U	0.22	1.6
Methyl Ethyl Ketone	5.0	D	0.74	4.0
cis-1,2-Dichloroethene	0.64	U	0.24	1.6
1,2-Dichloroethene, Total	0.64	U	0.42	1.6
Chloroform	0.64	U	0.30	1.6
Tetrahydrofuran	1.6	U	1.4	40
1,1,1-Trichloroethane	0.64	U	0.24	1.6
Cyclohexane	0.24	U	0.080	1.6
Carbon tetrachloride	0.24	U	0.088	1.6
2,2,4-Trimethylpentane	0.24	U	0.18	1.6
Benzene	0.52	J D	0.23	1.6
1,2-Dichloroethane	0.64	U	0.42	1.6
n-Heptane	0.97	J D	0.30	1.6
Trichloroethene	0.24	U	0.24	1.6
Methyl methacrylate	1.6	U	0.77	4.0
1,2-Dichloropropane	0.64	U	0.28	1.6
1,4-Dioxane	1.6	U	1.3	40
Bromodichloromethane	0.24	U	0.23	1.6
cis-1,3-Dichloropropene	0.24	U	0.23	1.6
methyl isobutyl ketone	2.8	J D	1.4	4.0
Toluene	8.8	D	0.20	1.6
trans-1,3-Dichloropropene	0.24	U	0.21	1.6
1,1,2-Trichloroethane	0.64	U	0.30	1.6
Tetrachloroethene	0.24	U	0.24	1.6

Client: FPM Remediations Inc | Job Number: 200-27725-1

Client Sample ID: **101IA0305GA**

Lab Sample ID: 200-27725-5 | Date Sampled: 04/23/2015 1115
Client Matrix: Air | Date Received: 04/28/2015 1015

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-87597	Instrument ID:	CHX.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	13349-021.D
Dilution:	8.0			Initial Weight/Volume:	25 mL
Analysis Date:	04/30/2015 0801			Final Weight/Volume:	200 mL
Prep Date:	04/30/2015 0801			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Methyl Butyl Ketone (2-Hexanone)	1.6	U	1.4	4.0
Dibromochloromethane	0.24	U	0.16	1.6
1,2-Dibromoethane	0.24	U	0.14	1.6
Chlorobenzene	0.24	U	0.14	1.6
Ethylbenzene	0.42	J D	0.16	1.6
m,p-Xylene	1.5	J D	0.20	4.0
Xylene, o-	0.47	J D	0.14	1.6
Xylene (total)	2.0		0.33	1.6
Styrene	0.24	U	0.13	1.6
Bromoform	0.24	U	0.20	1.6
Cumene	0.24	U	0.15	1.6
1,1,2,2-Tetrachloroethane	0.64	U	0.27	1.6
n-Propylbenzene	0.24	U	0.22	1.6
4-Ethyltoluene	0.24	U	0.16	1.6
1,3,5-Trimethylbenzene	0.24	U	0.15	1.6
2-Chlorotoluene	0.64	U	0.25	1.6
tert-Butylbenzene	0.24	U	0.16	1.6
1,2,4-Trimethylbenzene	0.44	J D	0.13	1.6
sec-Butylbenzene	0.24	U	0.17	1.6
4-Isopropyltoluene	0.24	U	0.16	1.6
1,3-Dichlorobenzene	0.24	U	0.16	1.6
1,4-Dichlorobenzene	0.24	U	0.15	1.6
Benzyl chloride	0.24	U	0.14	1.6
n-Butylbenzene	0.24	U	0.22	1.6
1,2-Dichlorobenzene	0.24	U	0.14	1.6
1,2,4-Trichlorobenzene	0.64	U	0.27	4.0
Hexachlorobutadiene	0.64	U	0.29	1.6
Naphthalene	0.64	U	0.24	4.0

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
Dichlorodifluoromethane	7.9	U	2.2	20
Freon 22	5.7	U	2.3	14
1,2-Dichlorotetrafluoroethane	4.5	U	2.9	11
Chloromethane	3.3	U	0.99	8.3
n-Butane	29	D	3.4	9.5
Vinyl chloride	0.61	U	0.53	4.1
1,3-Butadiene	1.4	U	0.64	3.5
Bromomethane	2.5	U	1.4	6.2
Chloroethane	1.7	U	1.3	11
Bromoethene(Vinyl Bromide)	1.0	U	0.70	7.0
Trichlorofluoromethane	4.8	J D	2.0	9.0
Freon TF	4.9	U	2.5	12
1,1-Dichloroethene	0.95	U	0.32	6.3
Acetone	510	D	13	95
Isopropyl alcohol	230	D	2.9	98
Carbon disulfide	2.0	U	0.75	12

Client: FPM Remediations Inc

Job Number: 200-27725-1

Client Sample ID: **101IA0305GA**

Lab Sample ID: 200-27725-5
Client Matrix: Air

Date Sampled: 04/23/2015 1115
Date Received: 04/28/2015 1015

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-87597	Instrument ID:	CHX.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	13349-021.D
Dilution:	8.0			Initial Weight/Volume:	25 mL
Analysis Date:	04/30/2015 0801			Final Weight/Volume:	200 mL
Prep Date:	04/30/2015 0801			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
3-Chloropropene	5.0	U	4.0	13
Methylene Chloride	5.8	J D	3.3	14
tert-Butyl alcohol	4.9	U	2.9	120
Methyl tert-butyl ether	0.87	U	0.63	5.8
trans-1,2-Dichloroethene	0.95	U	0.86	6.3
n-Hexane	5.1	J D	0.79	5.6
1,1-Dichloroethane	0.97	U	0.91	6.5
Methyl Ethyl Ketone	15	D	2.2	12
cis-1,2-Dichloroethene	2.5	U	0.95	6.3
1,2-Dichloroethene, Total	2.5	U	1.7	6.3
Chloroform	3.1	U	1.5	7.8
Tetrahydrofuran	4.7	U	4.2	120
1,1,1-Trichloroethane	3.5	U	1.3	8.7
Cyclohexane	0.83	U	0.28	5.5
Carbon tetrachloride	1.5	U	0.55	10
2,2,4-Trimethylpentane	1.1	U	0.86	7.5
Benzene	1.7	J D	0.74	5.1
1,2-Dichloroethane	2.6	U	1.7	6.5
n-Heptane	4.0	J D	1.2	6.6
Trichloroethene	1.3	U	1.3	8.6
Methyl methacrylate	6.6	U	3.1	16
1,2-Dichloropropane	3.0	U	1.3	7.4
1,4-Dioxane	5.8	U	4.6	140
Bromodichloromethane	1.6	U	1.6	11
cis-1,3-Dichloropropene	1.1	U	1.1	7.3
methyl isobutyl ketone	11	J D	5.9	16
Toluene	33	D	0.75	6.0
trans-1,3-Dichloropropene	1.1	U	0.94	7.3
1,1,2-Trichloroethane	3.5	U	1.6	8.7
Tetrachloroethene	1.6	U	1.6	11
Methyl Butyl Ketone (2-Hexanone)	6.6	U	5.6	16
Dibromochloromethane	2.0	U	1.4	14
1,2-Dibromoethane	1.8	U	1.1	12
Chlorobenzene	1.1	U	0.66	7.4
Ethylbenzene	1.8	J D	0.69	6.9
m,p-Xylene	6.5	J D	0.87	17
Xylene, o-	2.0	J D	0.63	6.9
Xylene (total)	8.6		1.4	6.9
Styrene	1.0	U	0.55	6.8
Bromoform	2.5	U	2.1	17
Cumene	1.2	U	0.75	7.9
1,1,2,2-Tetrachloroethane	4.4	U	1.9	11
n-Propylbenzene	1.2	U	1.1	7.9
4-Ethyltoluene	1.2	U	0.79	7.9
1,3,5-Trimethylbenzene	1.2	U	0.75	7.9
2-Chlorotoluene	3.3	U	1.3	8.3

Client: FPM Remediations Inc

Job Number: 200-27725-1

Client Sample ID: **101IA0305GA**

Lab Sample ID: 200-27725-5
Client Matrix: Air

Date Sampled: 04/23/2015 1115
Date Received: 04/28/2015 1015

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-87597	Instrument ID:	CHX.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	13349-021.D
Dilution:	8.0			Initial Weight/Volume:	25 mL
Analysis Date:	04/30/2015 0801			Final Weight/Volume:	200 mL
Prep Date:	04/30/2015 0801			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
tert-Butylbenzene	1.3	U	0.88	8.8
1,2,4-Trimethylbenzene	2.2	J D	0.63	7.9
sec-Butylbenzene	1.3	U	0.92	8.8
4-Isopropyltoluene	1.3	U	0.88	8.8
1,3-Dichlorobenzene	1.4	U	0.96	9.6
1,4-Dichlorobenzene	1.4	U	0.91	9.6
Benzyl chloride	1.2	U	0.75	8.3
n-Butylbenzene	1.3	U	1.2	8.8
1,2-Dichlorobenzene	1.4	U	0.87	9.6
1,2,4-Trichlorobenzene	4.7	U	2.0	30
Hexachlorobutadiene	6.8	U	3.1	17
Naphthalene	3.4	U	1.3	21

Client: FPM Remediations Inc | Job Number: 200-27725-1

Client Sample ID: **101IA0405GA**

Lab Sample ID: 200-27725-6 | Date Sampled: 04/23/2015 1110
Client Matrix: Air | Date Received: 04/28/2015 1015

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-87597	Instrument ID:	CHX.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	13349-022.D
Dilution:	5.0			Initial Weight/Volume:	40 mL
Analysis Date:	04/30/2015 0851			Final Weight/Volume:	200 mL
Prep Date:	04/30/2015 0851			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	0.47	J D	0.28	2.5
Freon 22	1.0	U	0.40	2.5
1,2-Dichlorotetrafluoroethane	0.40	U	0.26	1.0
Chloromethane	1.0	U	0.30	2.5
n-Butane	4.9	D	0.90	2.5
Vinyl chloride	0.15	U	0.13	1.0
1,3-Butadiene	0.40	U	0.18	1.0
Bromomethane	0.40	U	0.22	1.0
Chloroethane	0.40	U	0.31	2.5
Bromoethene(Vinyl Bromide)	0.15	U	0.10	1.0
Trichlorofluoromethane	0.65	J D	0.23	1.0
Freon TF	0.40	U	0.21	1.0
1,1-Dichloroethene	0.15	U	0.050	1.0
Acetone	110	D	3.5	25
Isopropyl alcohol	48	D	0.75	25
Carbon disulfide	0.40	U	0.15	2.5
3-Chloropropene	1.0	U	0.80	2.5
Methylene Chloride	1.0	J D	0.60	2.5
tert-Butyl alcohol	1.0	U	0.60	25
Methyl tert-butyl ether	0.15	U	0.11	1.0
trans-1,2-Dichloroethene	0.15	U	0.14	1.0
n-Hexane	0.70	J D	0.14	1.0
1,1-Dichloroethane	0.15	U	0.14	1.0
Methyl Ethyl Ketone	2.7	D	0.46	2.5
cis-1,2-Dichloroethene	0.40	U	0.15	1.0
1,2-Dichloroethene, Total	0.40	U	0.27	1.0
Chloroform	0.40	U	0.19	1.0
Tetrahydrofuran	1.0	U	0.90	25
1,1,1-Trichloroethane	0.40	U	0.15	1.0
Cyclohexane	0.15	U	0.050	1.0
Carbon tetrachloride	0.15	U	0.055	1.0
2,2,4-Trimethylpentane	0.15	U	0.12	1.0
Benzene	0.30	J D	0.15	1.0
1,2-Dichloroethane	0.40	U	0.26	1.0
n-Heptane	0.40	U	0.19	1.0
Trichloroethene	0.15	U	0.15	1.0
Methyl methacrylate	1.0	U	0.48	2.5
1,2-Dichloropropane	0.40	U	0.18	1.0
1,4-Dioxane	1.0	U	0.80	25
Bromodichloromethane	0.15	U	0.15	1.0
cis-1,3-Dichloropropene	0.15	U	0.15	1.0
methyl isobutyl ketone	1.5	J D	0.90	2.5
Toluene	4.4	D	0.13	1.0
trans-1,3-Dichloropropene	0.15	U	0.13	1.0
1,1,2-Trichloroethane	0.40	U	0.19	1.0
Tetrachloroethene	0.15	U	0.15	1.0

Client: FPM Remediations Inc Job Number: 200-27725-1

Client Sample ID: **101IA0405GA**

Lab Sample ID: 200-27725-6 Date Sampled: 04/23/2015 1110
Client Matrix: Air Date Received: 04/28/2015 1015

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-87597	Instrument ID:	CHX.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	13349-022.D
Dilution:	5.0			Initial Weight/Volume:	40 mL
Analysis Date:	04/30/2015 0851			Final Weight/Volume:	200 mL
Prep Date:	04/30/2015 0851			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Methyl Butyl Ketone (2-Hexanone)	1.0	U	0.85	2.5
Dibromochloromethane	0.15	U	0.10	1.0
1,2-Dibromoethane	0.15	U	0.090	1.0
Chlorobenzene	0.15	U	0.090	1.0
Ethylbenzene	0.21	J D	0.10	1.0
m,p-Xylene	0.77	J D	0.13	2.5
Xylene, o-	0.27	J D	0.090	1.0
Xylene (total)	1.0		0.21	1.0
Styrene	0.15	U	0.080	1.0
Bromoform	0.15	U	0.13	1.0
Cumene	0.15	U	0.095	1.0
1,1,2,2-Tetrachloroethane	0.40	U	0.17	1.0
n-Propylbenzene	0.15	U	0.14	1.0
4-Ethyltoluene	0.15	U	0.10	1.0
1,3,5-Trimethylbenzene	0.15	U	0.095	1.0
2-Chlorotoluene	0.40	U	0.16	1.0
tert-Butylbenzene	0.15	U	0.10	1.0
1,2,4-Trimethylbenzene	0.18	J D	0.080	1.0
sec-Butylbenzene	0.15	U	0.11	1.0
4-Isopropyltoluene	0.15	U	0.10	1.0
1,3-Dichlorobenzene	0.15	U	0.10	1.0
1,4-Dichlorobenzene	0.15	U	0.095	1.0
Benzyl chloride	0.15	U	0.090	1.0
n-Butylbenzene	0.15	U	0.14	1.0
1,2-Dichlorobenzene	0.15	U	0.090	1.0
1,2,4-Trichlorobenzene	0.40	U	0.17	2.5
Hexachlorobutadiene	0.40	U	0.18	1.0
Naphthalene	0.40	U	0.15	2.5

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
Dichlorodifluoromethane	2.3	J D	1.4	12
Freon 22	3.5	U	1.4	8.8
1,2-Dichlorotetrafluoroethane	2.8	U	1.8	7.0
Chloromethane	2.1	U	0.62	5.2
n-Butane	12	D	2.1	5.9
Vinyl chloride	0.38	U	0.33	2.6
1,3-Butadiene	0.88	U	0.40	2.2
Bromomethane	1.6	U	0.85	3.9
Chloroethane	1.1	U	0.80	6.6
Bromoethene(Vinyl Bromide)	0.66	U	0.44	4.4
Trichlorofluoromethane	3.7	J D	1.3	5.6
Freon TF	3.1	U	1.6	7.7
1,1-Dichloroethene	0.59	U	0.20	4.0
Acetone	260	D	8.2	59
Isopropyl alcohol	120	D	1.8	61
Carbon disulfide	1.2	U	0.47	7.8

Client: FPM Remediations Inc

Job Number: 200-27725-1

Client Sample ID: **101IA0405GA**

Lab Sample ID: 200-27725-6
Client Matrix: Air

Date Sampled: 04/23/2015 1110
Date Received: 04/28/2015 1015

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-87597	Instrument ID:	CHX.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	13349-022.D
Dilution:	5.0			Initial Weight/Volume:	40 mL
Analysis Date:	04/30/2015 0851			Final Weight/Volume:	200 mL
Prep Date:	04/30/2015 0851			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
3-Chloropropene	3.1	U	2.5	7.8
Methylene Chloride	3.5	J D	2.1	8.7
tert-Butyl alcohol	3.0	U	1.8	76
Methyl tert-butyl ether	0.54	U	0.40	3.6
trans-1,2-Dichloroethene	0.59	U	0.54	4.0
n-Hexane	2.5	J D	0.49	3.5
1,1-Dichloroethane	0.61	U	0.57	4.0
Methyl Ethyl Ketone	7.9	D	1.4	7.4
cis-1,2-Dichloroethene	1.6	U	0.59	4.0
1,2-Dichloroethene, Total	1.6	U	1.1	4.0
Chloroform	2.0	U	0.93	4.9
Tetrahydrofuran	2.9	U	2.7	74
1,1,1-Trichloroethane	2.2	U	0.82	5.5
Cyclohexane	0.52	U	0.17	3.4
Carbon tetrachloride	0.94	U	0.35	6.3
2,2,4-Trimethylpentane	0.70	U	0.54	4.7
Benzene	0.96	J D	0.46	3.2
1,2-Dichloroethane	1.6	U	1.1	4.0
n-Heptane	1.6	U	0.76	4.1
Trichloroethene	0.81	U	0.81	5.4
Methyl methacrylate	4.1	U	2.0	10
1,2-Dichloropropane	1.8	U	0.81	4.6
1,4-Dioxane	3.6	U	2.9	90
Bromodichloromethane	1.0	U	0.97	6.7
cis-1,3-Dichloropropene	0.68	U	0.66	4.5
methyl isobutyl ketone	6.3	J D	3.7	10
Toluene	17	D	0.47	3.8
trans-1,3-Dichloropropene	0.68	U	0.59	4.5
1,1,2-Trichloroethane	2.2	U	1.0	5.5
Tetrachloroethene	1.0	U	1.0	6.8
Methyl Butyl Ketone (2-Hexanone)	4.1	U	3.5	10
Dibromochloromethane	1.3	U	0.85	8.5
1,2-Dibromoethane	1.2	U	0.69	7.7
Chlorobenzene	0.69	U	0.41	4.6
Ethylbenzene	0.90	J D	0.43	4.3
m,p-Xylene	3.3	J D	0.54	11
Xylene, o-	1.2	J D	0.39	4.3
Xylene (total)	4.5		0.89	4.3
Styrene	0.64	U	0.34	4.3
Bromoform	1.6	U	1.3	10
Cumene	0.74	U	0.47	4.9
1,1,2,2-Tetrachloroethane	2.7	U	1.2	6.9
n-Propylbenzene	0.74	U	0.66	4.9
4-Ethyltoluene	0.74	U	0.49	4.9
1,3,5-Trimethylbenzene	0.74	U	0.47	4.9
2-Chlorotoluene	2.1	U	0.80	5.2

Client: FPM Remediations Inc

Job Number: 200-27725-1

Client Sample ID: **101IA0405GA**

Lab Sample ID: 200-27725-6
Client Matrix: Air

Date Sampled: 04/23/2015 1110
Date Received: 04/28/2015 1015

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-87597	Instrument ID:	CHX.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	13349-022.D
Dilution:	5.0			Initial Weight/Volume:	40 mL
Analysis Date:	04/30/2015 0851			Final Weight/Volume:	200 mL
Prep Date:	04/30/2015 0851			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
tert-Butylbenzene	0.82	U	0.55	5.5
1,2,4-Trimethylbenzene	0.87	J D	0.39	4.9
sec-Butylbenzene	0.82	U	0.58	5.5
4-Isopropyltoluene	0.82	U	0.55	5.5
1,3-Dichlorobenzene	0.90	U	0.60	6.0
1,4-Dichlorobenzene	0.90	U	0.57	6.0
Benzyl chloride	0.78	U	0.47	5.2
n-Butylbenzene	0.82	U	0.77	5.5
1,2-Dichlorobenzene	0.90	U	0.54	6.0
1,2,4-Trichlorobenzene	3.0	U	1.3	19
Hexachlorobutadiene	4.3	U	1.9	11
Naphthalene	2.1	U	0.79	13

Client: FPM Remediations Inc | Job Number: 200-27725-1

Client Sample ID: **101OA0305GA**

Lab Sample ID: 200-27725-7 | Date Sampled: 04/23/2015 1120
Client Matrix: Air | Date Received: 04/28/2015 1015

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-87597	Instrument ID:	CHX.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	13349-016.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	04/29/2015 2323			Final Weight/Volume:	200 mL
Prep Date:	04/29/2015 2323			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	0.46	J	0.056	0.50
Freon 22	0.25	J	0.080	0.50
1,2-Dichlorotetrafluoroethane	0.080	U	0.052	0.20
Chloromethane	0.59		0.060	0.50
n-Butane	0.20	U	0.18	0.50
Vinyl chloride	0.030	U	0.026	0.20
1,3-Butadiene	0.080	U	0.036	0.20
Bromomethane	0.080	U	0.044	0.20
Chloroethane	0.080	U	0.061	0.50
Bromoethene(Vinyl Bromide)	0.030	U	0.020	0.20
Trichlorofluoromethane	0.21		0.045	0.20
Freon TF	0.078	J	0.041	0.20
1,1-Dichloroethene	0.030	U	0.010	0.20
Acetone	2.5	U	0.69	5.0
Isopropyl alcohol	0.50	U	0.15	5.0
Carbon disulfide	0.080	U	0.030	0.50
3-Chloropropene	0.20	U	0.16	0.50
Methylene Chloride	0.25	J	0.12	0.50
tert-Butyl alcohol	0.20	U	0.12	5.0
Methyl tert-butyl ether	0.030	U	0.022	0.20
trans-1,2-Dichloroethene	0.030	U	0.027	0.20
n-Hexane	0.030	U	0.028	0.20
1,1-Dichloroethane	0.030	U	0.028	0.20
Methyl Ethyl Ketone	0.20	U	0.092	0.50
cis-1,2-Dichloroethene	0.080	U	0.030	0.20
1,2-Dichloroethene, Total	0.080	U	0.053	0.20
Chloroform	0.080	U	0.038	0.20
Tetrahydrofuran	0.20	U	0.18	5.0
1,1,1-Trichloroethane	0.080	U	0.030	0.20
Cyclohexane	0.030	U	0.010	0.20
Carbon tetrachloride	0.075	J	0.011	0.20
2,2,4-Trimethylpentane	0.030	U	0.023	0.20
Benzene	0.091	J	0.029	0.20
1,2-Dichloroethane	0.080	U	0.052	0.20
n-Heptane	0.080	U	0.037	0.20
Trichloroethene	0.030	U	0.030	0.20
Methyl methacrylate	0.20	U	0.096	0.50
1,2-Dichloropropane	0.080	U	0.035	0.20
1,4-Dioxane	0.20	U	0.16	5.0
Bromodichloromethane	0.030	U	0.029	0.20
cis-1,3-Dichloropropene	0.030	U	0.029	0.20
methyl isobutyl ketone	0.20	U	0.18	0.50
Toluene	0.034	J	0.025	0.20
trans-1,3-Dichloropropene	0.030	U	0.026	0.20
1,1,2-Trichloroethane	0.080	U	0.037	0.20
Tetrachloroethene	0.030	U	0.030	0.20

Client: FPM Remediations Inc | Job Number: 200-27725-1

Client Sample ID: **101OA0305GA**

Lab Sample ID: 200-27725-7 | Date Sampled: 04/23/2015 1120
Client Matrix: Air | Date Received: 04/28/2015 1015

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-87597	Instrument ID:	CHX.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	13349-016.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	04/29/2015 2323			Final Weight/Volume:	200 mL
Prep Date:	04/29/2015 2323			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Methyl Butyl Ketone (2-Hexanone)	0.20	U	0.17	0.50
Dibromochloromethane	0.030	U	0.020	0.20
1,2-Dibromoethane	0.030	U	0.018	0.20
Chlorobenzene	0.030	U	0.018	0.20
Ethylbenzene	0.030	U	0.020	0.20
m,p-Xylene	0.060	U	0.025	0.50
Xylene, o-	0.030	U	0.018	0.20
Xylene (total)	0.090	U	0.041	0.20
Styrene	0.030	U	0.016	0.20
Bromoform	0.030	U	0.025	0.20
Cumene	0.030	U	0.019	0.20
1,1,2,2-Tetrachloroethane	0.080	U	0.034	0.20
n-Propylbenzene	0.030	U	0.027	0.20
4-Ethyltoluene	0.030	U	0.020	0.20
1,3,5-Trimethylbenzene	0.030	U	0.019	0.20
2-Chlorotoluene	0.080	U	0.031	0.20
tert-Butylbenzene	0.030	U	0.020	0.20
1,2,4-Trimethylbenzene	0.030	U	0.016	0.20
sec-Butylbenzene	0.030	U	0.021	0.20
4-Isopropyltoluene	0.030	U	0.020	0.20
1,3-Dichlorobenzene	0.030	U	0.020	0.20
1,4-Dichlorobenzene	0.030	U	0.019	0.20
Benzyl chloride	0.030	U	0.018	0.20
n-Butylbenzene	0.030	U	0.028	0.20
1,2-Dichlorobenzene	0.030	U	0.018	0.20
1,2,4-Trichlorobenzene	0.080	U	0.034	0.50
Hexachlorobutadiene	0.080	U	0.036	0.20
Naphthalene	0.080	U	0.030	0.50

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
Dichlorodifluoromethane	2.3	J	0.28	2.5
Freon 22	0.88	J	0.28	1.8
1,2-Dichlorotetrafluoroethane	0.56	U	0.36	1.4
Chloromethane	1.2		0.12	1.0
n-Butane	0.48	U	0.43	1.2
Vinyl chloride	0.077	U	0.066	0.51
1,3-Butadiene	0.18	U	0.080	0.44
Bromomethane	0.31	U	0.17	0.78
Chloroethane	0.21	U	0.16	1.3
Bromoethene(Vinyl Bromide)	0.13	U	0.087	0.87
Trichlorofluoromethane	1.2		0.25	1.1
Freon TF	0.60	J	0.31	1.5
1,1-Dichloroethene	0.12	U	0.040	0.79
Acetone	5.9	U	1.6	12
Isopropyl alcohol	1.2	U	0.37	12
Carbon disulfide	0.25	U	0.093	1.6

Client: FPM Remediations Inc

Job Number: 200-27725-1

Client Sample ID: **101OA0305GA**

Lab Sample ID: 200-27725-7
Client Matrix: Air

Date Sampled: 04/23/2015 1120
Date Received: 04/28/2015 1015

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-87597	Instrument ID:	CHX.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	13349-016.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	04/29/2015 2323			Final Weight/Volume:	200 mL
Prep Date:	04/29/2015 2323			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
3-Chloropropene	0.63	U	0.50	1.6
Methylene Chloride	0.88	J	0.42	1.7
tert-Butyl alcohol	0.61	U	0.36	15
Methyl tert-butyl ether	0.11	U	0.079	0.72
trans-1,2-Dichloroethene	0.12	U	0.11	0.79
n-Hexane	0.11	U	0.099	0.70
1,1-Dichloroethane	0.12	U	0.11	0.81
Methyl Ethyl Ketone	0.59	U	0.27	1.5
cis-1,2-Dichloroethene	0.32	U	0.12	0.79
1,2-Dichloroethene, Total	0.32	U	0.21	0.79
Chloroform	0.39	U	0.19	0.98
Tetrahydrofuran	0.59	U	0.53	15
1,1,1-Trichloroethane	0.44	U	0.16	1.1
Cyclohexane	0.10	U	0.034	0.69
Carbon tetrachloride	0.47	J	0.069	1.3
2,2,4-Trimethylpentane	0.14	U	0.11	0.93
Benzene	0.29	J	0.093	0.64
1,2-Dichloroethane	0.32	U	0.21	0.81
n-Heptane	0.33	U	0.15	0.82
Trichloroethene	0.16	U	0.16	1.1
Methyl methacrylate	0.82	U	0.39	2.0
1,2-Dichloropropane	0.37	U	0.16	0.92
1,4-Dioxane	0.72	U	0.58	18
Bromodichloromethane	0.20	U	0.19	1.3
cis-1,3-Dichloropropene	0.14	U	0.13	0.91
methyl isobutyl ketone	0.82	U	0.74	2.0
Toluene	0.13	J	0.094	0.75
trans-1,3-Dichloropropene	0.14	U	0.12	0.91
1,1,2-Trichloroethane	0.44	U	0.20	1.1
Tetrachloroethene	0.20	U	0.20	1.4
Methyl Butyl Ketone (2-Hexanone)	0.82	U	0.70	2.0
Dibromochloromethane	0.26	U	0.17	1.7
1,2-Dibromoethane	0.23	U	0.14	1.5
Chlorobenzene	0.14	U	0.083	0.92
Ethylbenzene	0.13	U	0.087	0.87
m,p-Xylene	0.26	U	0.11	2.2
Xylene, o-	0.13	U	0.078	0.87
Xylene (total)	0.39	U	0.18	0.87
Styrene	0.13	U	0.068	0.85
Bromoform	0.31	U	0.26	2.1
Cumene	0.15	U	0.093	0.98
1,1,2,2-Tetrachloroethane	0.55	U	0.23	1.4
n-Propylbenzene	0.15	U	0.13	0.98
4-Ethyltoluene	0.15	U	0.098	0.98
1,3,5-Trimethylbenzene	0.15	U	0.093	0.98
2-Chlorotoluene	0.41	U	0.16	1.0

Client: FPM Remediations Inc

Job Number: 200-27725-1

Client Sample ID: **101OA0305GA**

Lab Sample ID: 200-27725-7
Client Matrix: Air

Date Sampled: 04/23/2015 1120
Date Received: 04/28/2015 1015

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-87597	Instrument ID:	CHX.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	13349-016.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	04/29/2015 2323			Final Weight/Volume:	200 mL
Prep Date:	04/29/2015 2323			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
tert-Butylbenzene	0.16	U	0.11	1.1
1,2,4-Trimethylbenzene	0.15	U	0.079	0.98
sec-Butylbenzene	0.16	U	0.12	1.1
4-Isopropyltoluene	0.16	U	0.11	1.1
1,3-Dichlorobenzene	0.18	U	0.12	1.2
1,4-Dichlorobenzene	0.18	U	0.11	1.2
Benzyl chloride	0.16	U	0.093	1.0
n-Butylbenzene	0.16	U	0.15	1.1
1,2-Dichlorobenzene	0.18	U	0.11	1.2
1,2,4-Trichlorobenzene	0.59	U	0.25	3.7
Hexachlorobutadiene	0.85	U	0.38	2.1
Naphthalene	0.42	U	0.16	2.6

Client: FPM Remediations Inc

Job Number: 200-27725-1

Client Sample ID: **101CA01GA**

Lab Sample ID: 200-27725-8
Client Matrix: Air

Date Sampled: 04/22/2015 0930
Date Received: 04/28/2015 1015

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-87597	Instrument ID:	CHX.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	13349-017.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	04/30/2015 0012			Final Weight/Volume:	200 mL
Prep Date:	04/30/2015 0012			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	0.53		0.056	0.50
Freon 22	0.35	J	0.080	0.50
1,2-Dichlorotetrafluoroethane	0.080	U	0.052	0.20
Chloromethane	0.20	U	0.060	0.50
n-Butane	0.54		0.18	0.50
Vinyl chloride	0.030	U	0.026	0.20
1,3-Butadiene	0.080	U	0.036	0.20
Bromomethane	0.080	U	0.044	0.20
Chloroethane	0.080	U	0.061	0.50
Bromoethene(Vinyl Bromide)	0.030	U	0.020	0.20
Trichlorofluoromethane	0.61		0.045	0.20
Freon TF	0.12	J	0.041	0.20
1,1-Dichloroethene	0.030	U	0.010	0.20
Acetone	10		0.69	5.0
Isopropyl alcohol	2.1	J	0.15	5.0
Carbon disulfide	0.25	J	0.030	0.50
3-Chloropropene	0.20	U	0.16	0.50
Methylene Chloride	0.27	J	0.12	0.50
tert-Butyl alcohol	0.20	U	0.12	5.0
Methyl tert-butyl ether	0.030	U	0.022	0.20
trans-1,2-Dichloroethene	0.030	U	0.027	0.20
n-Hexane	0.030	U	0.028	0.20
1,1-Dichloroethane	0.030	U	0.028	0.20
Methyl Ethyl Ketone	0.82		0.092	0.50
cis-1,2-Dichloroethene	0.080	U	0.030	0.20
1,2-Dichloroethene, Total	0.080	U	0.053	0.20
Chloroform	19		0.038	0.20
Tetrahydrofuran	0.26	J	0.18	5.0
1,1,1-Trichloroethane	0.33		0.030	0.20
Cyclohexane	0.030	U	0.010	0.20
Carbon tetrachloride	0.40		0.011	0.20
2,2,4-Trimethylpentane	0.030	U	0.023	0.20
Benzene	0.052	J	0.029	0.20
1,2-Dichloroethane	0.080	U	0.052	0.20
n-Heptane	0.080	U	0.037	0.20
Trichloroethene	8.6		0.030	0.20
Methyl methacrylate	0.20	U	0.096	0.50
1,2-Dichloropropane	0.080	U	0.035	0.20
1,4-Dioxane	0.20	U	0.16	5.0
Bromodichloromethane	0.13	J	0.029	0.20
cis-1,3-Dichloropropene	0.030	U	0.029	0.20
methyl isobutyl ketone	0.20	U	0.18	0.50
Toluene	0.28		0.025	0.20
trans-1,3-Dichloropropene	0.030	U	0.026	0.20
1,1,2-Trichloroethane	0.080	U	0.037	0.20
Tetrachloroethene	1.7		0.030	0.20

Client: FPM Remediations Inc | Job Number: 200-27725-1

Client Sample ID: **101CA01GA**

Lab Sample ID: 200-27725-8 | Date Sampled: 04/22/2015 0930
Client Matrix: Air | Date Received: 04/28/2015 1015

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-87597	Instrument ID:	CHX.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	13349-017.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	04/30/2015 0012			Final Weight/Volume:	200 mL
Prep Date:	04/30/2015 0012			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Methyl Butyl Ketone (2-Hexanone)	0.20	U	0.17	0.50
Dibromochloromethane	0.030	U	0.020	0.20
1,2-Dibromoethane	0.030	U	0.018	0.20
Chlorobenzene	0.030	U	0.018	0.20
Ethylbenzene	0.038	J	0.020	0.20
m,p-Xylene	0.15	J	0.025	0.50
Xylene, o-	0.059	J	0.018	0.20
Xylene (total)	0.21		0.041	0.20
Styrene	0.030	U	0.016	0.20
Bromoform	0.030	U	0.025	0.20
Cumene	0.030	U	0.019	0.20
1,1,2,2-Tetrachloroethane	0.080	U	0.034	0.20
n-Propylbenzene	0.030	U	0.027	0.20
4-Ethyltoluene	0.030	U	0.020	0.20
1,3,5-Trimethylbenzene	0.030	U	0.019	0.20
2-Chlorotoluene	0.080	U	0.031	0.20
tert-Butylbenzene	0.030	U	0.020	0.20
1,2,4-Trimethylbenzene	0.028	J	0.016	0.20
sec-Butylbenzene	0.030	U	0.021	0.20
4-Isopropyltoluene	0.030	U	0.020	0.20
1,3-Dichlorobenzene	0.030	U	0.020	0.20
1,4-Dichlorobenzene	0.030	U	0.019	0.20
Benzyl chloride	0.030	U	0.018	0.20
n-Butylbenzene	0.030	U	0.028	0.20
1,2-Dichlorobenzene	0.030	U	0.018	0.20
1,2,4-Trichlorobenzene	0.080	U	0.034	0.50
Hexachlorobutadiene	0.080	U	0.036	0.20
Naphthalene	0.080	U	0.030	0.50

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
Dichlorodifluoromethane	2.6		0.28	2.5
Freon 22	1.2	J	0.28	1.8
1,2-Dichlorotetrafluoroethane	0.56	U	0.36	1.4
Chloromethane	0.41	U	0.12	1.0
n-Butane	1.3		0.43	1.2
Vinyl chloride	0.077	U	0.066	0.51
1,3-Butadiene	0.18	U	0.080	0.44
Bromomethane	0.31	U	0.17	0.78
Chloroethane	0.21	U	0.16	1.3
Bromoethene(Vinyl Bromide)	0.13	U	0.087	0.87
Trichlorofluoromethane	3.4		0.25	1.1
Freon TF	0.93	J	0.31	1.5
1,1-Dichloroethene	0.12	U	0.040	0.79
Acetone	24		1.6	12
Isopropyl alcohol	5.2	J	0.37	12
Carbon disulfide	0.79	J	0.093	1.6

Client: FPM Remediations Inc

Job Number: 200-27725-1

Client Sample ID: **101CA01GA**

Lab Sample ID: 200-27725-8
Client Matrix: Air

Date Sampled: 04/22/2015 0930
Date Received: 04/28/2015 1015

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-87597	Instrument ID:	CHX.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	13349-017.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	04/30/2015 0012			Final Weight/Volume:	200 mL
Prep Date:	04/30/2015 0012			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
3-Chloropropene	0.63	U	0.50	1.6
Methylene Chloride	0.93	J	0.42	1.7
tert-Butyl alcohol	0.61	U	0.36	15
Methyl tert-butyl ether	0.11	U	0.079	0.72
trans-1,2-Dichloroethene	0.12	U	0.11	0.79
n-Hexane	0.11	U	0.099	0.70
1,1-Dichloroethane	0.12	U	0.11	0.81
Methyl Ethyl Ketone	2.4		0.27	1.5
cis-1,2-Dichloroethene	0.32	U	0.12	0.79
1,2-Dichloroethene, Total	0.32	U	0.21	0.79
Chloroform	92		0.19	0.98
Tetrahydrofuran	0.77	J	0.53	15
1,1,1-Trichloroethane	1.8		0.16	1.1
Cyclohexane	0.10	U	0.034	0.69
Carbon tetrachloride	2.5		0.069	1.3
2,2,4-Trimethylpentane	0.14	U	0.11	0.93
Benzene	0.17	J	0.093	0.64
1,2-Dichloroethane	0.32	U	0.21	0.81
n-Heptane	0.33	U	0.15	0.82
Trichloroethene	46		0.16	1.1
Methyl methacrylate	0.82	U	0.39	2.0
1,2-Dichloropropane	0.37	U	0.16	0.92
1,4-Dioxane	0.72	U	0.58	18
Bromodichloromethane	0.89	J	0.19	1.3
cis-1,3-Dichloropropene	0.14	U	0.13	0.91
methyl isobutyl ketone	0.82	U	0.74	2.0
Toluene	1.0		0.094	0.75
trans-1,3-Dichloropropene	0.14	U	0.12	0.91
1,1,2-Trichloroethane	0.44	U	0.20	1.1
Tetrachloroethene	11		0.20	1.4
Methyl Butyl Ketone (2-Hexanone)	0.82	U	0.70	2.0
Dibromochloromethane	0.26	U	0.17	1.7
1,2-Dibromoethane	0.23	U	0.14	1.5
Chlorobenzene	0.14	U	0.083	0.92
Ethylbenzene	0.16	J	0.087	0.87
m,p-Xylene	0.66	J	0.11	2.2
Xylene, o-	0.25	J	0.078	0.87
Xylene (total)	0.91		0.18	0.87
Styrene	0.13	U	0.068	0.85
Bromoform	0.31	U	0.26	2.1
Cumene	0.15	U	0.093	0.98
1,1,2,2-Tetrachloroethane	0.55	U	0.23	1.4
n-Propylbenzene	0.15	U	0.13	0.98
4-Ethyltoluene	0.15	U	0.098	0.98
1,3,5-Trimethylbenzene	0.15	U	0.093	0.98
2-Chlorotoluene	0.41	U	0.16	1.0

Client: FPM Remediations Inc

Job Number: 200-27725-1

Client Sample ID: **101CA01GA**

Lab Sample ID: 200-27725-8
Client Matrix: Air

Date Sampled: 04/22/2015 0930
Date Received: 04/28/2015 1015

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-87597	Instrument ID:	CHX.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	13349-017.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	04/30/2015 0012			Final Weight/Volume:	200 mL
Prep Date:	04/30/2015 0012			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
tert-Butylbenzene	0.16	U	0.11	1.1
1,2,4-Trimethylbenzene	0.14	J	0.079	0.98
sec-Butylbenzene	0.16	U	0.12	1.1
4-Isopropyltoluene	0.16	U	0.11	1.1
1,3-Dichlorobenzene	0.18	U	0.12	1.2
1,4-Dichlorobenzene	0.18	U	0.11	1.2
Benzyl chloride	0.16	U	0.093	1.0
n-Butylbenzene	0.16	U	0.15	1.1
1,2-Dichlorobenzene	0.18	U	0.11	1.2
1,2,4-Trichlorobenzene	0.59	U	0.25	3.7
Hexachlorobutadiene	0.85	U	0.38	2.1
Naphthalene	0.42	U	0.16	2.6

Client: FPM Remediations Inc

Job Number: 200-27725-1

Client Sample ID: **042215TB**

Lab Sample ID: 200-27725-9TB
Client Matrix: Air

Date Sampled: 04/22/2015 0900
Date Received: 04/28/2015 1015

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-87597	Instrument ID:	CHX.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	13349-018.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	04/30/2015 0102			Final Weight/Volume:	200 mL
Prep Date:	04/30/2015 0102			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	0.20	U	0.056	0.50
Freon 22	0.20	U	0.080	0.50
1,2-Dichlorotetrafluoroethane	0.080	U	0.052	0.20
Chloromethane	0.20	U	0.060	0.50
n-Butane	0.20	U	0.18	0.50
Vinyl chloride	0.030	U	0.026	0.20
1,3-Butadiene	0.080	U	0.036	0.20
Bromomethane	0.080	U	0.044	0.20
Chloroethane	0.080	U	0.061	0.50
Bromoethene(Vinyl Bromide)	0.030	U	0.020	0.20
Trichlorofluoromethane	0.080	U	0.045	0.20
Freon TF	0.080	U	0.041	0.20
1,1-Dichloroethene	0.030	U	0.010	0.20
Acetone	2.5	U	0.69	5.0
Isopropyl alcohol	0.50	U	0.15	5.0
Carbon disulfide	0.080	U	0.030	0.50
3-Chloropropene	0.20	U	0.16	0.50
Methylene Chloride	0.20	U	0.12	0.50
tert-Butyl alcohol	0.20	U	0.12	5.0
Methyl tert-butyl ether	0.030	U	0.022	0.20
trans-1,2-Dichloroethene	0.030	U	0.027	0.20
n-Hexane	0.030	U	0.028	0.20
1,1-Dichloroethane	0.030	U	0.028	0.20
Methyl Ethyl Ketone	0.59		0.092	0.50
cis-1,2-Dichloroethene	0.080	U	0.030	0.20
1,2-Dichloroethene, Total	0.080	U	0.053	0.20
Chloroform	0.080	U	0.038	0.20
Tetrahydrofuran	0.20	U	0.18	5.0
1,1,1-Trichloroethane	0.080	U	0.030	0.20
Cyclohexane	0.030	U	0.010	0.20
Carbon tetrachloride	0.030	U	0.011	0.20
2,2,4-Trimethylpentane	0.030	U	0.023	0.20
Benzene	0.030	U	0.029	0.20
1,2-Dichloroethane	0.080	U	0.052	0.20
n-Heptane	0.080	U	0.037	0.20
Trichloroethene	0.030	U	0.030	0.20
Methyl methacrylate	0.20	U	0.096	0.50
1,2-Dichloropropane	0.080	U	0.035	0.20
1,4-Dioxane	0.20	U	0.16	5.0
Bromodichloromethane	0.030	U	0.029	0.20
cis-1,3-Dichloropropene	0.030	U	0.029	0.20
methyl isobutyl ketone	0.20	U	0.18	0.50
Toluene	0.030	U	0.025	0.20
trans-1,3-Dichloropropene	0.030	U	0.026	0.20
1,1,2-Trichloroethane	0.080	U	0.037	0.20
Tetrachloroethene	0.030	U	0.030	0.20

Client: FPM Remediations Inc | Job Number: 200-27725-1

Client Sample ID: **042215TB**

Lab Sample ID: 200-27725-9TB | Date Sampled: 04/22/2015 0900
Client Matrix: Air | Date Received: 04/28/2015 1015

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-87597	Instrument ID:	CHX.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	13349-018.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	04/30/2015 0102			Final Weight/Volume:	200 mL
Prep Date:	04/30/2015 0102			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Methyl Butyl Ketone (2-Hexanone)	0.20	U	0.17	0.50
Dibromochloromethane	0.030	U	0.020	0.20
1,2-Dibromoethane	0.030	U	0.018	0.20
Chlorobenzene	0.030	U	0.018	0.20
Ethylbenzene	0.030	U	0.020	0.20
m,p-Xylene	0.060	U	0.025	0.50
Xylene, o-	0.030	U	0.018	0.20
Xylene (total)	0.090	U	0.041	0.20
Styrene	0.030	U	0.016	0.20
Bromoform	0.030	U	0.025	0.20
Cumene	0.030	U	0.019	0.20
1,1,2,2-Tetrachloroethane	0.080	U	0.034	0.20
n-Propylbenzene	0.030	U	0.027	0.20
4-Ethyltoluene	0.030	U	0.020	0.20
1,3,5-Trimethylbenzene	0.030	U	0.019	0.20
2-Chlorotoluene	0.080	U	0.031	0.20
tert-Butylbenzene	0.030	U	0.020	0.20
1,2,4-Trimethylbenzene	0.030	U	0.016	0.20
sec-Butylbenzene	0.030	U	0.021	0.20
4-Isopropyltoluene	0.030	U	0.020	0.20
1,3-Dichlorobenzene	0.030	U	0.020	0.20
1,4-Dichlorobenzene	0.030	U	0.019	0.20
Benzyl chloride	0.030	U	0.018	0.20
n-Butylbenzene	0.030	U	0.028	0.20
1,2-Dichlorobenzene	0.030	U	0.018	0.20
1,2,4-Trichlorobenzene	0.080	U	0.034	0.50
Hexachlorobutadiene	0.080	U	0.036	0.20
Naphthalene	0.080	U	0.030	0.50

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
Dichlorodifluoromethane	0.99	U	0.28	2.5
Freon 22	0.71	U	0.28	1.8
1,2-Dichlorotetrafluoroethane	0.56	U	0.36	1.4
Chloromethane	0.41	U	0.12	1.0
n-Butane	0.48	U	0.43	1.2
Vinyl chloride	0.077	U	0.066	0.51
1,3-Butadiene	0.18	U	0.080	0.44
Bromomethane	0.31	U	0.17	0.78
Chloroethane	0.21	U	0.16	1.3
Bromoethene(Vinyl Bromide)	0.13	U	0.087	0.87
Trichlorofluoromethane	0.45	U	0.25	1.1
Freon TF	0.61	U	0.31	1.5
1,1-Dichloroethene	0.12	U	0.040	0.79
Acetone	5.9	U	1.6	12
Isopropyl alcohol	1.2	U	0.37	12
Carbon disulfide	0.25	U	0.093	1.6

Client: FPM Remediations Inc

Job Number: 200-27725-1

Client Sample ID: **042215TB**

Lab Sample ID: 200-27725-9TB
Client Matrix: Air

Date Sampled: 04/22/2015 0900
Date Received: 04/28/2015 1015

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-87597	Instrument ID:	CHX.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	13349-018.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	04/30/2015 0102			Final Weight/Volume:	200 mL
Prep Date:	04/30/2015 0102			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
3-Chloropropene	0.63	U	0.50	1.6
Methylene Chloride	0.69	U	0.42	1.7
tert-Butyl alcohol	0.61	U	0.36	15
Methyl tert-butyl ether	0.11	U	0.079	0.72
trans-1,2-Dichloroethene	0.12	U	0.11	0.79
n-Hexane	0.11	U	0.099	0.70
1,1-Dichloroethane	0.12	U	0.11	0.81
Methyl Ethyl Ketone	1.8		0.27	1.5
cis-1,2-Dichloroethene	0.32	U	0.12	0.79
1,2-Dichloroethene, Total	0.32	U	0.21	0.79
Chloroform	0.39	U	0.19	0.98
Tetrahydrofuran	0.59	U	0.53	15
1,1,1-Trichloroethane	0.44	U	0.16	1.1
Cyclohexane	0.10	U	0.034	0.69
Carbon tetrachloride	0.19	U	0.069	1.3
2,2,4-Trimethylpentane	0.14	U	0.11	0.93
Benzene	0.096	U	0.093	0.64
1,2-Dichloroethane	0.32	U	0.21	0.81
n-Heptane	0.33	U	0.15	0.82
Trichloroethene	0.16	U	0.16	1.1
Methyl methacrylate	0.82	U	0.39	2.0
1,2-Dichloropropane	0.37	U	0.16	0.92
1,4-Dioxane	0.72	U	0.58	18
Bromodichloromethane	0.20	U	0.19	1.3
cis-1,3-Dichloropropene	0.14	U	0.13	0.91
methyl isobutyl ketone	0.82	U	0.74	2.0
Toluene	0.11	U	0.094	0.75
trans-1,3-Dichloropropene	0.14	U	0.12	0.91
1,1,2-Trichloroethane	0.44	U	0.20	1.1
Tetrachloroethene	0.20	U	0.20	1.4
Methyl Butyl Ketone (2-Hexanone)	0.82	U	0.70	2.0
Dibromochloromethane	0.26	U	0.17	1.7
1,2-Dibromoethane	0.23	U	0.14	1.5
Chlorobenzene	0.14	U	0.083	0.92
Ethylbenzene	0.13	U	0.087	0.87
m,p-Xylene	0.26	U	0.11	2.2
Xylene, o-	0.13	U	0.078	0.87
Xylene (total)	0.39	U	0.18	0.87
Styrene	0.13	U	0.068	0.85
Bromoform	0.31	U	0.26	2.1
Cumene	0.15	U	0.093	0.98
1,1,2,2-Tetrachloroethane	0.55	U	0.23	1.4
n-Propylbenzene	0.15	U	0.13	0.98
4-Ethyltoluene	0.15	U	0.098	0.98
1,3,5-Trimethylbenzene	0.15	U	0.093	0.98
2-Chlorotoluene	0.41	U	0.16	1.0

Client: FPM Remediations Inc

Job Number: 200-27725-1

Client Sample ID: **042215TB**

Lab Sample ID: 200-27725-9TB
Client Matrix: Air

Date Sampled: 04/22/2015 0900
Date Received: 04/28/2015 1015

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-87597	Instrument ID:	CHX.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	13349-018.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	04/30/2015 0102			Final Weight/Volume:	200 mL
Prep Date:	04/30/2015 0102			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
tert-Butylbenzene	0.16	U	0.11	1.1
1,2,4-Trimethylbenzene	0.15	U	0.079	0.98
sec-Butylbenzene	0.16	U	0.12	1.1
4-Isopropyltoluene	0.16	U	0.11	1.1
1,3-Dichlorobenzene	0.18	U	0.12	1.2
1,4-Dichlorobenzene	0.18	U	0.11	1.2
Benzyl chloride	0.16	U	0.093	1.0
n-Butylbenzene	0.16	U	0.15	1.1
1,2-Dichlorobenzene	0.18	U	0.11	1.2
1,2,4-Trichlorobenzene	0.59	U	0.25	3.7
Hexachlorobutadiene	0.85	U	0.38	2.1
Naphthalene	0.42	U	0.16	2.6

Client: FPM Remediations Inc

Job Number: 200-27725-1

Method Blank - Batch: 200-87597

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	MB 200-87597/4	Analysis Batch:	200-87597	Instrument ID:	CHX.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	13349-004.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	04/29/2015 1333	Units:	ppb v/v	Final Weight/Volume:	200 mL
Prep Date:	04/29/2015 1333			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Dichlorodifluoromethane	0.20	U	0.056	0.50
Freon 22	0.20	U	0.080	0.50
1,2-Dichlorotetrafluoroethane	0.080	U	0.052	0.20
Chloromethane	0.20	U	0.060	0.50
n-Butane	0.20	U	0.18	0.50
Vinyl chloride	0.030	U	0.026	0.20
1,3-Butadiene	0.080	U	0.036	0.20
Bromomethane	0.080	U	0.044	0.20
Chloroethane	0.080	U	0.061	0.50
Bromoethene(Vinyl Bromide)	0.030	U	0.020	0.20
Trichlorofluoromethane	0.080	U	0.045	0.20
Freon TF	0.080	U	0.041	0.20
1,1-Dichloroethene	0.030	U	0.010	0.20
Acetone	2.5	U	0.69	5.0
Isopropyl alcohol	0.50	U	0.15	5.0
Carbon disulfide	0.080	U	0.030	0.50
3-Chloropropene	0.20	U	0.16	0.50
Methylene Chloride	0.20	U	0.12	0.50
tert-Butyl alcohol	0.20	U	0.12	5.0
Methyl tert-butyl ether	0.030	U	0.022	0.20
trans-1,2-Dichloroethene	0.030	U	0.027	0.20
n-Hexane	0.030	U	0.028	0.20
1,1-Dichloroethane	0.030	U	0.028	0.20
Methyl Ethyl Ketone	0.20	U	0.092	0.50
cis-1,2-Dichloroethene	0.080	U	0.030	0.20
1,2-Dichloroethene, Total	0.080	U	0.053	0.20
Chloroform	0.080	U	0.038	0.20
Tetrahydrofuran	0.20	U	0.18	5.0
1,1,1-Trichloroethane	0.080	U	0.030	0.20
Cyclohexane	0.030	U	0.010	0.20
Carbon tetrachloride	0.030	U	0.011	0.20
2,2,4-Trimethylpentane	0.030	U	0.023	0.20
Benzene	0.030	U	0.029	0.20
1,2-Dichloroethane	0.080	U	0.052	0.20
n-Heptane	0.080	U	0.037	0.20
Trichloroethene	0.030	U	0.030	0.20
Methyl methacrylate	0.20	U	0.096	0.50
1,2-Dichloropropane	0.080	U	0.035	0.20
1,4-Dioxane	0.20	U	0.16	5.0
Bromodichloromethane	0.030	U	0.029	0.20
cis-1,3-Dichloropropene	0.030	U	0.029	0.20
methyl isobutyl ketone	0.20	U	0.18	0.50
Toluene	0.030	U	0.025	0.20
trans-1,3-Dichloropropene	0.030	U	0.026	0.20
1,1,2-Trichloroethane	0.080	U	0.037	0.20

Client: FPM Remediations Inc

Job Number: 200-27725-1

Method Blank - Batch: 200-87597

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	MB 200-87597/4	Analysis Batch:	200-87597	Instrument ID:	CHX.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	13349-004.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	04/29/2015 1333	Units:	ppb v/v	Final Weight/Volume:	200 mL
Prep Date:	04/29/2015 1333			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Tetrachloroethene	0.030	U	0.030	0.20
Methyl Butyl Ketone (2-Hexanone)	0.20	U	0.17	0.50
Dibromochloromethane	0.030	U	0.020	0.20
1,2-Dibromoethane	0.030	U	0.018	0.20
Chlorobenzene	0.030	U	0.018	0.20
Ethylbenzene	0.030	U	0.020	0.20
m,p-Xylene	0.060	U	0.025	0.50
Xylene, o-	0.030	U	0.018	0.20
Xylene (total)	0.090	U	0.041	0.20
Styrene	0.030	U	0.016	0.20
Bromoform	0.030	U	0.025	0.20
Cumene	0.030	U	0.019	0.20
1,1,2,2-Tetrachloroethane	0.080	U	0.034	0.20
n-Propylbenzene	0.030	U	0.027	0.20
4-Ethyltoluene	0.030	U	0.020	0.20
1,3,5-Trimethylbenzene	0.030	U	0.019	0.20
2-Chlorotoluene	0.080	U	0.031	0.20
tert-Butylbenzene	0.030	U	0.020	0.20
1,2,4-Trimethylbenzene	0.030	U	0.016	0.20
sec-Butylbenzene	0.030	U	0.021	0.20
4-Isopropyltoluene	0.030	U	0.020	0.20
1,3-Dichlorobenzene	0.030	U	0.020	0.20
1,4-Dichlorobenzene	0.030	U	0.019	0.20
Benzyl chloride	0.030	U	0.018	0.20
n-Butylbenzene	0.030	U	0.028	0.20
1,2-Dichlorobenzene	0.030	U	0.018	0.20
1,2,4-Trichlorobenzene	0.080	U	0.034	0.50
Hexachlorobutadiene	0.080	U	0.036	0.20
Naphthalene	0.080	U	0.030	0.50

Client: FPM Remediations Inc

Job Number: 200-27725-1

Method Blank - Batch: 200-87597

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	MB 200-87597/4	Analysis Batch:	200-87597	Instrument ID:	CHX.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	13349-004.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	04/29/2015 1333	Units:	ug/m3	Final Weight/Volume:	200 mL
Prep Date:	04/29/2015 1333			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Dichlorodifluoromethane	0.99	U	0.28	2.5
Freon 22	0.71	U	0.28	1.8
1,2-Dichlorotetrafluoroethane	0.56	U	0.36	1.4
Chloromethane	0.41	U	0.12	1.0
n-Butane	0.48	U	0.43	1.2
Vinyl chloride	0.077	U	0.066	0.51
1,3-Butadiene	0.18	U	0.080	0.44
Bromomethane	0.31	U	0.17	0.78
Chloroethane	0.21	U	0.16	1.3
Bromoethene(Vinyl Bromide)	0.13	U	0.087	0.87
Trichlorofluoromethane	0.45	U	0.25	1.1
Freon TF	0.61	U	0.31	1.5
1,1-Dichloroethene	0.12	U	0.040	0.79
Acetone	5.9	U	1.6	12
Isopropyl alcohol	1.2	U	0.37	12
Carbon disulfide	0.25	U	0.093	1.6
3-Chloropropene	0.63	U	0.50	1.6
Methylene Chloride	0.69	U	0.42	1.7
tert-Butyl alcohol	0.61	U	0.36	15
Methyl tert-butyl ether	0.11	U	0.079	0.72
trans-1,2-Dichloroethene	0.12	U	0.11	0.79
n-Hexane	0.11	U	0.099	0.70
1,1-Dichloroethane	0.12	U	0.11	0.81
Methyl Ethyl Ketone	0.59	U	0.27	1.5
cis-1,2-Dichloroethene	0.32	U	0.12	0.79
1,2-Dichloroethene, Total	0.32	U	0.21	0.79
Chloroform	0.39	U	0.19	0.98
Tetrahydrofuran	0.59	U	0.53	15
1,1,1-Trichloroethane	0.44	U	0.16	1.1
Cyclohexane	0.10	U	0.034	0.69
Carbon tetrachloride	0.19	U	0.069	1.3
2,2,4-Trimethylpentane	0.14	U	0.11	0.93
Benzene	0.096	U	0.093	0.64
1,2-Dichloroethane	0.32	U	0.21	0.81
n-Heptane	0.33	U	0.15	0.82
Trichloroethene	0.16	U	0.16	1.1
Methyl methacrylate	0.82	U	0.39	2.0
1,2-Dichloropropane	0.37	U	0.16	0.92
1,4-Dioxane	0.72	U	0.58	18
Bromodichloromethane	0.20	U	0.19	1.3
cis-1,3-Dichloropropene	0.14	U	0.13	0.91
methyl isobutyl ketone	0.82	U	0.74	2.0
Toluene	0.11	U	0.094	0.75
trans-1,3-Dichloropropene	0.14	U	0.12	0.91
1,1,2-Trichloroethane	0.44	U	0.20	1.1

Client: FPM Remediations Inc

Job Number: 200-27725-1

Method Blank - Batch: 200-87597

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	MB 200-87597/4	Analysis Batch:	200-87597	Instrument ID:	CHX.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	13349-004.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	04/29/2015 1333	Units:	ug/m3	Final Weight/Volume:	200 mL
Prep Date:	04/29/2015 1333			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Tetrachloroethene	0.20	U	0.20	1.4
Methyl Butyl Ketone (2-Hexanone)	0.82	U	0.70	2.0
Dibromochloromethane	0.26	U	0.17	1.7
1,2-Dibromoethane	0.23	U	0.14	1.5
Chlorobenzene	0.14	U	0.083	0.92
Ethylbenzene	0.13	U	0.087	0.87
m,p-Xylene	0.26	U	0.11	2.2
Xylene, o-	0.13	U	0.078	0.87
Xylene (total)	0.39	U	0.18	0.87
Styrene	0.13	U	0.068	0.85
Bromoform	0.31	U	0.26	2.1
Cumene	0.15	U	0.093	0.98
1,1,2,2-Tetrachloroethane	0.55	U	0.23	1.4
n-Propylbenzene	0.15	U	0.13	0.98
4-Ethyltoluene	0.15	U	0.098	0.98
1,3,5-Trimethylbenzene	0.15	U	0.093	0.98
2-Chlorotoluene	0.41	U	0.16	1.0
tert-Butylbenzene	0.16	U	0.11	1.1
1,2,4-Trimethylbenzene	0.15	U	0.079	0.98
sec-Butylbenzene	0.16	U	0.12	1.1
4-Isopropyltoluene	0.16	U	0.11	1.1
1,3-Dichlorobenzene	0.18	U	0.12	1.2
1,4-Dichlorobenzene	0.18	U	0.11	1.2
Benzyl chloride	0.16	U	0.093	1.0
n-Butylbenzene	0.16	U	0.15	1.1
1,2-Dichlorobenzene	0.18	U	0.11	1.2
1,2,4-Trichlorobenzene	0.59	U	0.25	3.7
Hexachlorobutadiene	0.85	U	0.38	2.1
Naphthalene	0.42	U	0.16	2.6

Client: FPM Remediations Inc

Job Number: 200-27725-1

Lab Control Sample - Batch: 200-87597

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	LCS 200-87597/3	Analysis Batch:	200-87597	Instrument ID:	CHX.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	13349-003.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	04/29/2015 1244	Units:	ppb v/v	Final Weight/Volume:	200 mL
Prep Date:	04/29/2015 1244			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Dichlorodifluoromethane	10.0	10.3	103	70 - 130	
Freon 22	10.0	10.9	109	70 - 130	
1,2-Dichlorotetrafluoroethane	10.0	12.0	120	70 - 130	
Chloromethane	10.0	10.7	107	70 - 130	
n-Butane	10.0	10.9	109	70 - 130	
Vinyl chloride	10.0	11.1	111	70 - 130	
1,3-Butadiene	10.0	10.9	109	70 - 130	
Bromomethane	10.0	11.0	110	70 - 130	
Chloroethane	10.0	10.2	102	70 - 130	
Bromoethene(Vinyl Bromide)	10.0	9.99	100	70 - 130	
Trichlorofluoromethane	10.0	9.92	99	70 - 130	
Freon TF	10.0	10.5	105	70 - 130	
1,1-Dichloroethene	10.0	10.4	104	70 - 130	
Acetone	10.0	10.4	104	70 - 130	
Isopropyl alcohol	10.0	8.80	88	70 - 130	
Carbon disulfide	10.0	12.5	125	70 - 130	
3-Chloropropene	10.0	9.23	92	70 - 130	
Methylene Chloride	10.0	10.3	103	70 - 130	
tert-Butyl alcohol	10.0	8.96	90	70 - 130	
Methyl tert-butyl ether	10.0	10.1	101	70 - 130	
trans-1,2-Dichloroethene	10.0	11.3	113	70 - 130	
n-Hexane	10.0	11.0	110	70 - 130	
1,1-Dichloroethane	10.0	10.6	106	70 - 130	
Methyl Ethyl Ketone	10.0	9.17	92	70 - 130	
cis-1,2-Dichloroethene	10.0	9.88	99	70 - 130	
Chloroform	10.0	10.0	100	70 - 130	
Tetrahydrofuran	10.0	11.6	116	70 - 130	
1,1,1-Trichloroethane	10.0	10.6	107	70 - 130	
Cyclohexane	10.0	10.7	107	70 - 130	
Carbon tetrachloride	10.0	10.3	103	70 - 130	
2,2,4-Trimethylpentane	10.0	10.6	106	70 - 130	
Benzene	10.0	10.6	106	70 - 130	
1,2-Dichloroethane	10.0	10.5	105	70 - 130	
n-Heptane	10.0	10.3	103	70 - 130	
Trichloroethene	10.0	9.79	98	70 - 130	
Methyl methacrylate	10.0	9.32	93	70 - 130	
1,2-Dichloropropane	10.0	9.42	94	70 - 130	
1,4-Dioxane	10.0	8.07	81	70 - 130	
Bromodichloromethane	10.0	9.70	97	70 - 130	
cis-1,3-Dichloropropene	10.0	9.46	95	70 - 130	
methyl isobutyl ketone	10.0	9.21	92	70 - 130	
Toluene	10.0	9.85	99	70 - 130	
trans-1,3-Dichloropropene	10.0	9.00	90	70 - 130	
1,1,2-Trichloroethane	10.0	10.3	103	70 - 130	
Tetrachloroethene	10.0	9.76	98	70 - 130	
Methyl Butyl Ketone (2-Hexanone)	10.0	9.39	94	70 - 130	

Client: FPM Remediations Inc

Job Number: 200-27725-1

Lab Control Sample - Batch: 200-87597

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	LCS 200-87597/3	Analysis Batch:	200-87597	Instrument ID:	CHX.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	13349-003.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	04/29/2015 1244	Units:	ppb v/v	Final Weight/Volume:	200 mL
Prep Date:	04/29/2015 1244			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Dibromochloromethane	10.0	9.80	98	70 - 130	
1,2-Dibromoethane	10.0	10.1	101	70 - 130	
Chlorobenzene	10.0	9.82	98	70 - 130	
Ethylbenzene	10.0	10.0	100	70 - 130	
m,p-Xylene	20.0	20.1	101	70 - 130	
Xylene, o-	10.0	9.62	96	70 - 130	
Styrene	10.0	9.78	98	70 - 130	
Bromoform	10.0	10.1	101	70 - 130	
Cumene	10.0	9.68	97	70 - 130	
1,1,2,2-Tetrachloroethane	10.0	10.4	104	70 - 130	
n-Propylbenzene	10.0	10.0	100	70 - 130	
4-Ethyltoluene	10.0	10.4	104	70 - 130	
1,3,5-Trimethylbenzene	10.0	9.84	98	70 - 130	
2-Chlorotoluene	10.0	10.1	101	70 - 130	
tert-Butylbenzene	10.0	9.66	97	70 - 130	
1,2,4-Trimethylbenzene	10.0	9.94	99	70 - 130	
sec-Butylbenzene	10.0	9.97	100	70 - 130	
4-Isopropyltoluene	10.0	9.84	98	70 - 130	
1,3-Dichlorobenzene	10.0	10.2	102	70 - 130	
1,4-Dichlorobenzene	10.0	10.1	101	70 - 130	
Benzyl chloride	10.0	9.24	92	70 - 130	
n-Butylbenzene	10.0	10.9	109	70 - 130	
1,2-Dichlorobenzene	10.0	10.1	101	70 - 130	
1,2,4-Trichlorobenzene	10.0	9.57	96	70 - 130	
Hexachlorobutadiene	10.0	9.56	96	70 - 130	
Naphthalene	10.0	9.30	93	70 - 130	

DATA REPORTING QUALIFIERS

Client: FPM Remediations Inc Job Number: 200-27725-1

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

Quality Control Results

Client: FPM Remediations Inc

Job Number: 200-27725-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Air - GC/MS VOA					
Analysis Batch:200-87597					
LCS 200-87597/3	Lab Control Sample	T	Air	TO-15	
MB 200-87597/4	Method Blank	T	Air	TO-15	
200-27725-1	101VMP0101GA	T	Air	TO-15	
200-27725-2	101VMP0201GA	T	Air	TO-15	
200-27725-3	101VMP0301GA	T	Air	TO-15	
200-27725-4	101VMP0101GC	T	Air	TO-15	
200-27725-5	101IA0305GA	T	Air	TO-15	
200-27725-6	101IA0405GA	T	Air	TO-15	
200-27725-7	101OA0305GA	T	Air	TO-15	
200-27725-8	101CA01GA	T	Air	TO-15	
200-27725-9TB	042215TB	T	Air	TO-15	

Report Basis

T = Total

Client: FPM Remediations Inc Job Number: 200-27725-1

Laboratory Chronicle

Lab ID: 200-27725-1 **Client ID:** 101VMP0101GA

Sample Date/Time: 04/23/2015 11:35 Received Date/Time: 04/28/2015 10:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-27725-A-1		200-87597		04/29/2015 18:27	1.6	TAL BUR	BPL
A:TO-15	200-27725-A-1		200-87597		04/29/2015 18:27	1.6	TAL BUR	BPL

Lab ID: 200-27725-2 **Client ID:** 101VMP0201GA

Sample Date/Time: 04/23/2015 11:50 Received Date/Time: 04/28/2015 10:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-27725-A-2		200-87597		04/29/2015 19:17	5	TAL BUR	BPL
A:TO-15	200-27725-A-2		200-87597		04/29/2015 19:17	5	TAL BUR	BPL

Lab ID: 200-27725-3 **Client ID:** 101VMP0301GA

Sample Date/Time: 04/23/2015 11:30 Received Date/Time: 04/28/2015 10:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-27725-A-3		200-87597		04/29/2015 20:06	24.6	TAL BUR	BPL
A:TO-15	200-27725-A-3		200-87597		04/29/2015 20:06	24.6	TAL BUR	BPL

Lab ID: 200-27725-4 **Client ID:** 101VMP0101GC

Sample Date/Time: 04/23/2015 11:35 Received Date/Time: 04/28/2015 10:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-27725-A-4		200-87597		04/29/2015 20:55	1	TAL BUR	BPL
A:TO-15	200-27725-A-4		200-87597		04/29/2015 20:55	1	TAL BUR	BPL

Lab ID: 200-27725-5 **Client ID:** 101IA0305GA

Sample Date/Time: 04/23/2015 11:15 Received Date/Time: 04/28/2015 10:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-27725-A-5		200-87597		04/30/2015 08:01	8	TAL BUR	BPL
A:TO-15	200-27725-A-5		200-87597		04/30/2015 08:01	8	TAL BUR	BPL

Client: FPM Remediations Inc Job Number: 200-27725-1

Laboratory Chronicle

Lab ID: 200-27725-6 **Client ID:** 101IA0405GA

Sample Date/Time: 04/23/2015 11:10 Received Date/Time: 04/28/2015 10:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-27725-A-6		200-87597		04/30/2015 08:51	5	TAL BUR	BPL
A:TO-15	200-27725-A-6		200-87597		04/30/2015 08:51	5	TAL BUR	BPL

Lab ID: 200-27725-7 **Client ID:** 101OA0305GA

Sample Date/Time: 04/23/2015 11:20 Received Date/Time: 04/28/2015 10:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-27725-A-7		200-87597		04/29/2015 23:23	1	TAL BUR	BPL
A:TO-15	200-27725-A-7		200-87597		04/29/2015 23:23	1	TAL BUR	BPL

Lab ID: 200-27725-8 **Client ID:** 101CA01GA

Sample Date/Time: 04/22/2015 09:30 Received Date/Time: 04/28/2015 10:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-27725-A-8		200-87597		04/30/2015 00:12	1	TAL BUR	BPL
A:TO-15	200-27725-A-8		200-87597		04/30/2015 00:12	1	TAL BUR	BPL

Lab ID: 200-27725-9 **Client ID:** 042215TB

Sample Date/Time: 04/22/2015 09:00 Received Date/Time: 04/28/2015 10:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-27725-A-9		200-87597		04/30/2015 01:02	1	TAL BUR	BPL
A:TO-15	200-27725-A-9		200-87597		04/30/2015 01:02	1	TAL BUR	BPL

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

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

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	MB 200-87597/4		200-87597		04/29/2015 13:33	1	TAL BUR	BPL
A:TO-15	MB 200-87597/4		200-87597		04/29/2015 13:33	1	TAL BUR	BPL

Client: FPM Remediations Inc Job Number: 200-27725-1

Laboratory Chronicle

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

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

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	LCS 200-87597/3		200-87597		04/29/2015 12:44	1	TAL BUR	BPL
A:TO-15	LCS 200-87597/3		200-87597		04/29/2015 12:44	1	TAL BUR	BPL

Lab References:
TAL BUR = TestAmerica Burlington

Lab Name: TestAmerica Burlington Job No.: 200-27725-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
ATTO15CAL1w_00131	05/24/15	02/27/15	Zero Air, Lot 10	15.463 L	ATTO15CAL6w_00104	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.: 200-27725-1

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.: 200-27725-1

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.: 200-27725-1

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_00104	05/24/15	02/26/15	Zero Air, Lot 10	15.463 L	ATTO15CALSTKi_00068	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.: 200-27725-1

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.: 200-27725-1

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

Lab Name: TestAmerica Burlington Job No.: 200-27725-1

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.: 200-27725-1

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_00053	1237 mL	Ethanol	39.9987 ppb v/v
..ATTO15CALSTKi_00068	05/25/15	02/25/15	Zero Air, Lot 10	37.5 L	ATTO15CALs_00023	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.: 200-27725-1

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.: 200-27725-1

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_00023	12/31/15		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.: 200-27725-1

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.: 200-27725-1

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_00053	05/24/15	02/04/15	Zero Air, Lot 10	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_00174	05/24/15	02/27/15	Zero Air, Lot 10	15.463 L	ATTO15CAL6w_00104	387 mL	1,1,1-Trichloroethane	0.500453 ppb v/v
							1,1,2,2-Tetrachloroethane	0.500453 ppb v/v
							1,1,2-Trichloroethane	0.500453 ppb v/v
							1,1-Dichloroethane	0.500453 ppb v/v
							1,1-Dichloroethene	0.500453 ppb v/v
							1,2,3-Trichlorobenzene	0.500453 ppb v/v
							1,2,3-Trichloropropane	0.500453 ppb v/v
							1,2,4-Trichlorobenzene	0.500453 ppb v/v
							1,2,4-Trimethylbenzene	0.500453 ppb v/v
							1,2-Dibromoethane	0.500453 ppb v/v
							1,2-Dichlorobenzene	0.500453 ppb v/v
							1,2-Dichloroethane	0.500453 ppb v/v
							1,2-Dichloropropane	0.500453 ppb v/v
							1,2-Dichlorotetrafluoroethane	0.500453 ppb v/v
							1,3,5-Trimethylbenzene	0.500453 ppb v/v
							1,3-Butadiene	0.500453 ppb v/v
							1,3-Dichlorobenzene	0.500453 ppb v/v
							1,4-Dichlorobenzene	0.500453 ppb v/v
							1,4-Dioxane	0.500453 ppb v/v

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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		
							2,2,4-Trimethylpentane	0.500453 ppb v/v
							2-Chlorotoluene	0.500453 ppb v/v
							2-Methylbutane	0.500453 ppb v/v
							3-Chloropropene	0.500453 ppb v/v
							4-Ethyltoluene	0.500453 ppb v/v
							4-Isopropyltoluene	0.500453 ppb v/v
							Acetone	0.500453 ppb v/v
							Acetonitrile	0.500453 ppb v/v
							Acrolein	0.500453 ppb v/v
							Acrylonitrile	0.500453 ppb v/v
							Alpha Methyl Styrene	0.500453 ppb v/v
							Benzene	0.500453 ppb v/v
							Benzyl chloride	0.500453 ppb v/v
							Bromodichloromethane	0.500453 ppb v/v
							Bromoethene(Vinyl Bromide)	0.500453 ppb v/v
							Bromoform	0.500453 ppb v/v
							Bromomethane	0.500453 ppb v/v
							Carbon disulfide	0.500453 ppb v/v
							Carbon tetrachloride	0.500453 ppb v/v
							Chlorobenzene	0.500453 ppb v/v
							Chloroethane	0.500453 ppb v/v
							Chloroform	0.500453 ppb v/v
							Chloromethane	0.500453 ppb v/v
							cis-1,2-Dichloroethene	0.500453 ppb v/v
							cis-1,3-Dichloropropene	0.500453 ppb v/v

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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		
							Cumene	0.500453 ppb v/v
							Cyclohexane	0.500453 ppb v/v
							Dibromochloromethane	0.500453 ppb v/v
							Dibromomethane	0.500453 ppb v/v
							Dichlorodifluoromethane	0.500453 ppb v/v
							Dodecane	0.500453 ppb v/v
							Ethyl acetate	0.500453 ppb v/v
							Ethyl ether	0.500453 ppb v/v
							Ethylbenzene	0.500453 ppb v/v
							Freon 22	0.500453 ppb v/v
							Freon TF	0.500453 ppb v/v
							Hexachlorobutadiene	0.500453 ppb v/v
							Isopropyl alcohol	0.500453 ppb v/v
							m,p-Xylene	1.00091 ppb v/v
							Methyl Butyl Ketone (2-Hexanone)	0.500453 ppb v/v
							Methyl Ethyl Ketone	0.500453 ppb v/v
							methyl isobutyl ketone	0.500453 ppb v/v
							Methyl methacrylate	0.500453 ppb v/v
							Methyl tert-butyl ether	0.500453 ppb v/v
							Methylene Chloride	0.500453 ppb v/v
							n-Butane	0.500453 ppb v/v
							n-Butanol	0.500453 ppb v/v
							n-Butylbenzene	0.500453 ppb v/v
							n-Decane	0.500453 ppb v/v
							n-Heptane	0.500453 ppb v/v

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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		
							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
							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_00053	124 mL	Ethanol	5.01064 ppb v/v
.ATTO15CAL6w_00104	05/24/15	02/26/15	Zero Air, Lot 10	15.463 L	ATTO15CALSTKi_00068	1546 mL	1,1,1-Trichloroethane	19.9961 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		
							1,1,2,2-Tetrachloroethane	19.9961 ppb v/v
							1,1,2-Trichloroethane	19.9961 ppb v/v
							1,1-Dichloroethane	19.9961 ppb v/v
							1,1-Dichloroethene	19.9961 ppb v/v
							1,2,3-Trichlorobenzene	19.9961 ppb v/v
							1,2,3-Trichloropropane	19.9961 ppb v/v
							1,2,4-Trichlorobenzene	19.9961 ppb v/v
							1,2,4-Trimethylbenzene	19.9961 ppb v/v
							1,2-Dibromoethane	19.9961 ppb v/v
							1,2-Dichlorobenzene	19.9961 ppb v/v
							1,2-Dichloroethane	19.9961 ppb v/v
							1,2-Dichloropropane	19.9961 ppb v/v
							1,2-Dichlorotetrafluoroethane	19.9961 ppb v/v
							1,3,5-Trimethylbenzene	19.9961 ppb v/v
							1,3-Butadiene	19.9961 ppb v/v
							1,3-Dichlorobenzene	19.9961 ppb v/v
							1,4-Dichlorobenzene	19.9961 ppb v/v
							1,4-Dioxane	19.9961 ppb v/v
							2,2,4-Trimethylpentane	19.9961 ppb v/v
							2-Chlorotoluene	19.9961 ppb v/v
							2-Methylbutane	19.9961 ppb v/v
							3-Chloropropene	19.9961 ppb v/v
							4-Ethyltoluene	19.9961 ppb v/v
							4-Isopropyltoluene	19.9961 ppb v/v
							Acetone	19.9961 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-27725-1

SDG No.:

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

Lab Name: TestAmerica Burlington Job No.: 200-27725-1

SDG No.:

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

Lab Name: TestAmerica Burlington Job No.: 200-27725-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							sec-Butylbenzene	19.9961 ppb v/v
							Styrene	19.9961 ppb v/v
							tert-Butyl alcohol	19.9961 ppb v/v
							tert-Butylbenzene	19.9961 ppb v/v
							Tetrachloroethene	19.9961 ppb v/v
							Tetrahydrofuran	19.9961 ppb v/v
							Toluene	19.9961 ppb v/v
							trans-1,2-Dichloroethene	19.9961 ppb v/v
							trans-1,3-Dichloropropene	19.9961 ppb v/v
							Trichloroethene	19.9961 ppb v/v
							Trichlorofluoromethane	19.9961 ppb v/v
							Undecane	19.9961 ppb v/v
							Vinyl acetate	19.9961 ppb v/v
							Vinyl chloride	19.9961 ppb v/v
							Xylene, o-	19.9961 ppb v/v
					ATTO15EthCALw_00053	1237 mL	Ethanol	39.9987 ppb v/v
..ATTO15CALSTKi_00068	05/25/15	02/25/15	Zero Air, Lot 10	37.5 L	ATTO15CALs_00023	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

Lab Name: TestAmerica Burlington Job No.: 200-27725-1

SDG No.:

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

Lab Name: TestAmerica Burlington Job No.: 200-27725-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							n-Butanol	200 ppb v/v
							n-Butylbenzene	200 ppb v/v
							n-Decane	200 ppb v/v
							n-Heptane	200 ppb v/v
							n-Hexane	200 ppb v/v
							n-Nonane	200 ppb v/v
							n-Octane	200 ppb v/v
							n-Propylbenzene	200 ppb v/v
							Naphthalene	200 ppb v/v
							Pentane	200 ppb v/v
							Propene	200 ppb v/v
							sec-Butylbenzene	200 ppb v/v
							Styrene	200 ppb v/v
							tert-Butyl alcohol	200 ppb v/v
							tert-Butylbenzene	200 ppb v/v
							Tetrachloroethene	200 ppb v/v
							Tetrahydrofuran	200 ppb v/v
							Toluene	200 ppb v/v
							trans-1,2-Dichloroethene	200 ppb v/v
							trans-1,3-Dichloropropene	200 ppb v/v
							Trichloroethene	200 ppb v/v
							Trichlorofluoromethane	200 ppb v/v
							Undecane	200 ppb v/v
							Vinyl acetate	200 ppb v/v
							Vinyl chloride	200 ppb v/v
							Xylene, o-	200 ppb v/v
...ATTO15CALs_00023	12/31/15		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

Lab Name: TestAmerica Burlington Job No.: 200-27725-1

SDG No.:

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

Lab Name: TestAmerica Burlington Job No.: 200-27725-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							n-Hexane	1 ppm v/v
							n-Nonane	1 ppm v/v
							n-Octane	1 ppm v/v
							n-Propylbenzene	1 ppm v/v
							Naphthalene	1 ppm v/v
							Pentane	1 ppm v/v
							Propene	1 ppm v/v
							sec-Butylbenzene	1 ppm v/v
							Styrene	1 ppm v/v
							tert-Butyl alcohol	1 ppm v/v
							tert-Butylbenzene	1 ppm v/v
							Tetrachloroethene	1 ppm v/v
							Tetrahydrofuran	1 ppm v/v
							Toluene	1 ppm v/v
							trans-1,2-Dichloroethene	1 ppm v/v
							trans-1,3-Dichloropropene	1 ppm v/v
							Trichloroethene	1 ppm v/v
							Trichlorofluoromethane	1 ppm v/v
							Undecane	1 ppm v/v
							Vinyl acetate	1 ppm v/v
							Vinyl chloride	1 ppm v/v
							Xylene, o-	1 ppm v/v
..ATTO15EthCALw_00053	05/24/15	02/04/15	Zero Air, Lot 10	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_00053	05/24/15	02/04/15	Zero Air, Lot 10	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_00146	05/24/15	02/11/15	Zero Air, Lot 10	15.463 L	ATTO15CALSTKi_00068	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

Lab Name: TestAmerica Burlington Job No.: 200-27725-1

SDG No.:

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

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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		
							Carbon disulfide	4.99256 ppb v/v
							Carbon tetrachloride	4.99256 ppb v/v
							Chlorobenzene	4.99256 ppb v/v
							Chloroethane	4.99256 ppb v/v
							Chloroform	4.99256 ppb v/v
							Chloromethane	4.99256 ppb v/v
							cis-1,2-Dichloroethene	4.99256 ppb v/v
							cis-1,3-Dichloropropene	4.99256 ppb v/v
							Cumene	4.99256 ppb v/v
							Cyclohexane	4.99256 ppb v/v
							Dibromochloromethane	4.99256 ppb v/v
							Dibromomethane	4.99256 ppb v/v
							Dichlorodifluoromethane	4.99256 ppb v/v
							Dodecane	4.99256 ppb v/v
							Ethyl acetate	4.99256 ppb v/v
							Ethyl ether	4.99256 ppb v/v
							Ethylbenzene	4.99256 ppb v/v
							Freon 22	4.99256 ppb v/v
							Freon TF	4.99256 ppb v/v
							Hexachlorobutadiene	4.99256 ppb v/v
							Isopropyl alcohol	4.99256 ppb v/v
							m,p-Xylene	9.98513 ppb v/v
							Methyl Butyl Ketone (2-Hexanone)	4.99256 ppb v/v
							Methyl Ethyl Ketone	4.99256 ppb v/v
							methyl isobutyl ketone	4.99256 ppb v/v

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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		
							Methyl methacrylate	4.99256 ppb v/v
							Methyl tert-butyl ether	4.99256 ppb v/v
							Methylene Chloride	4.99256 ppb v/v
							n-Butane	4.99256 ppb v/v
							n-Butanol	4.99256 ppb v/v
							n-Butylbenzene	4.99256 ppb v/v
							n-Decane	4.99256 ppb v/v
							n-Heptane	4.99256 ppb v/v
							n-Hexane	4.99256 ppb v/v
							n-Nonane	4.99256 ppb v/v
							n-Octane	4.99256 ppb v/v
							n-Propylbenzene	4.99256 ppb v/v
							Naphthalene	4.99256 ppb v/v
							Pentane	4.99256 ppb v/v
							Propene	4.99256 ppb v/v
							sec-Butylbenzene	4.99256 ppb v/v
							Styrene	4.99256 ppb v/v
							tert-Butyl alcohol	4.99256 ppb v/v
							tert-Butylbenzene	4.99256 ppb v/v
							Tetrachloroethene	4.99256 ppb v/v
							Tetrahydrofuran	4.99256 ppb v/v
							Toluene	4.99256 ppb v/v
							trans-1,2-Dichloroethene	4.99256 ppb v/v
							trans-1,3-Dichloropropene	4.99256 ppb v/v
							Trichloroethene	4.99256 ppb v/v

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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		
							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_00053	309 mL	Ethanol	9.99159 ppb v/v
.ATTO15CALSTKi_00068	05/25/15	02/25/15	Zero Air, Lot 10	37.5 L	ATTO15CALs_00023	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

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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		
							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

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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		
							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_00023	12/31/15		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

Lab Name: TestAmerica Burlington Job No.: 200-27725-1

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.: 200-27725-1

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_00053	05/24/15	02/04/15	Zero Air, Lot 10	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_00449	05/24/15	03/09/15	Zero Air, Lot 10	15.463 L	ATTO15CALSTKi_00068	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

Lab Name: TestAmerica Burlington Job No.: 200-27725-1

SDG No.:

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

Lab Name: TestAmerica Burlington Job No.: 200-27725-1

SDG No.:

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

Lab Name: TestAmerica Burlington Job No.: 200-27725-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							n-Propylbenzene	9.99806 ppb v/v
							Naphthalene	9.99806 ppb v/v
							Pentane	9.99806 ppb v/v
							Propene	9.99806 ppb v/v
							sec-Butylbenzene	9.99806 ppb v/v
							Styrene	9.99806 ppb v/v
							tert-Butyl alcohol	9.99806 ppb v/v
							tert-Butylbenzene	9.99806 ppb v/v
							Tetrachloroethene	9.99806 ppb v/v
							Tetrahydrofuran	9.99806 ppb v/v
							Toluene	9.99806 ppb v/v
							trans-1,2-Dichloroethene	9.99806 ppb v/v
							trans-1,3-Dichloropropene	9.99806 ppb v/v
							Trichloroethene	9.99806 ppb v/v
							Trichlorofluoromethane	9.99806 ppb v/v
							Undecane	9.99806 ppb v/v
							Vinyl acetate	9.99806 ppb v/v
							Vinyl chloride	9.99806 ppb v/v
							Xylene, o-	9.99806 ppb v/v
					ATTO15EthCALw_00053	464 mL	Ethanol	15.0036 ppb v/v
.ATTO15CALSTKi_00068	05/25/15	02/25/15	Zero Air, Lot 10	37.5 L	ATTO15CALs_00023	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

Lab Name: TestAmerica Burlington Job No.: 200-27725-1

SDG No.:

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

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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		
							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_00023	12/31/15		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

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

Lab Name: TestAmerica Burlington Job No.: 200-27725-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Methyl methacrylate	1 ppm v/v
							Methyl tert-butyl ether	1 ppm v/v
							Methylene Chloride	1 ppm v/v
							n-Butane	1 ppm v/v
							n-Butanol	1 ppm v/v
							n-Butylbenzene	1 ppm v/v
							n-Decane	1 ppm v/v
							n-Heptane	1 ppm v/v
							n-Hexane	1 ppm v/v
							n-Nonane	1 ppm v/v
							n-Octane	1 ppm v/v
							n-Propylbenzene	1 ppm v/v
							Naphthalene	1 ppm v/v
							Pentane	1 ppm v/v
							Propene	1 ppm v/v
							sec-Butylbenzene	1 ppm v/v
							Styrene	1 ppm v/v
							tert-Butyl alcohol	1 ppm v/v
							tert-Butylbenzene	1 ppm v/v
							Tetrachloroethene	1 ppm v/v
							Tetrahydrofuran	1 ppm v/v
							Toluene	1 ppm v/v
							trans-1,2-Dichloroethene	1 ppm v/v
							trans-1,3-Dichloropropene	1 ppm v/v
							Trichloroethene	1 ppm v/v
							Trichlorofluoromethane	1 ppm v/v
							Undecane	1 ppm v/v
							Vinyl acetate	1 ppm v/v
							Vinyl chloride	1 ppm v/v
							Xylene, o-	1 ppm v/v
.ATTO15EthCALw_00053	05/24/15	02/04/15	Zero Air, Lot 10	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_00452	06/12/15	03/24/15	Zero Air, Lot 10	15.463 L	ATTO15CALSTKi_00069	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

Lab Name: TestAmerica Burlington Job No.: 200-27725-1

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.: 200-27725-1

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.: 200-27725-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							n-Propylbenzene	9.99806 ppb v/v
							Naphthalene	9.99806 ppb v/v
							sec-Butylbenzene	9.99806 ppb v/v
							Styrene	9.99806 ppb v/v
							tert-Butyl alcohol	9.99806 ppb v/v
							tert-Butylbenzene	9.99806 ppb v/v
							Tetrachloroethene	9.99806 ppb v/v
							Tetrahydrofuran	9.99806 ppb v/v
							Toluene	9.99806 ppb v/v
							trans-1,2-Dichloroethene	9.99806 ppb v/v
							trans-1,3-Dichloropropene	9.99806 ppb v/v
							Trichloroethene	9.99806 ppb v/v
							Trichlorofluoromethane	9.99806 ppb v/v
							Vinyl chloride	9.99806 ppb v/v
							Xylene (total)	29.9942 ppb v/v
							Xylene, o-	9.99806 ppb v/v
.ATTO15CALSTKi_00069	06/12/15	03/12/15	Zero Air, Lot 10	37.5 L	ATTO15CALs_00023	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.: 200-27725-1

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.: 200-27725-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Tetrahydrofuran	200 ppb v/v
							Toluene	200 ppb v/v
							trans-1,2-Dichloroethene	200 ppb v/v
							trans-1,3-Dichloropropene	200 ppb v/v
							Trichloroethene	200 ppb v/v
							Trichlorofluoromethane	200 ppb v/v
							Vinyl chloride	200 ppb v/v
							Xylene (total)	600 ppb v/v
							Xylene, o-	200 ppb v/v
..ATTO15CALs_00023	12/31/15	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

Lab Name: TestAmerica Burlington Job No.: 200-27725-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Cyclohexane	1 ppm v/v
							Dibromochloromethane	1 ppm v/v
							Dichlorodifluoromethane	1 ppm v/v
							Ethylbenzene	1 ppm v/v
							Freon 22	1 ppm v/v
							Freon TF	1 ppm v/v
							Hexachlorobutadiene	1 ppm v/v
							Isopropyl alcohol	1 ppm v/v
							m,p-Xylene	2 ppm v/v
							Methyl Butyl Ketone (2-Hexanone)	1 ppm v/v
							Methyl Ethyl Ketone	1 ppm v/v
							methyl isobutyl ketone	1 ppm v/v
							Methyl methacrylate	1 ppm v/v
							Methyl tert-butyl ether	1 ppm v/v
							Methylene Chloride	1 ppm v/v
							n-Butane	1 ppm v/v
							n-Butylbenzene	1 ppm v/v
							n-Heptane	1 ppm v/v
							n-Hexane	1 ppm v/v
							n-Propylbenzene	1 ppm v/v
							Naphthalene	1 ppm v/v
							sec-Butylbenzene	1 ppm v/v
							Styrene	1 ppm v/v
							tert-Butyl alcohol	1 ppm v/v
							tert-Butylbenzene	1 ppm v/v
							Tetrachloroethene	1 ppm v/v
							Tetrahydrofuran	1 ppm v/v
							Toluene	1 ppm v/v
							trans-1,2-Dichloroethene	1 ppm v/v
							trans-1,3-Dichloropropene	1 ppm v/v
							Trichloroethene	1 ppm v/v
							Trichlorofluoromethane	1 ppm v/v
							Vinyl chloride	1 ppm v/v
							Xylene (total)	3 ppm v/v
							Xylene, o-	1 ppm v/v
ATTO15CAL5w_00052	05/24/15	02/26/15	Zero Air, Lot 10	15.463 L	ATTO15CALSTKi_00068	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

Lab Name: TestAmerica Burlington Job No.: 200-27725-1

SDG No.:

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

Lab Name: TestAmerica Burlington Job No.: 200-27725-1

SDG No.:

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

Lab Name: TestAmerica Burlington Job No.: 200-27725-1

SDG No.:

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

Lab Name: TestAmerica Burlington Job No.: 200-27725-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Tetrahydrofuran	15.0036 ppb v/v
							Toluene	15.0036 ppb v/v
							trans-1,2-Dichloroethene	15.0036 ppb v/v
							trans-1,3-Dichloropropene	15.0036 ppb v/v
							Trichloroethene	15.0036 ppb v/v
							Trichlorofluoromethane	15.0036 ppb v/v
							Undecane	15.0036 ppb v/v
							Vinyl acetate	15.0036 ppb v/v
							Vinyl chloride	15.0036 ppb v/v
							Xylene, o-	15.0036 ppb v/v
					ATTO15EthCALw_00053	620 mL	Ethanol	20.0479 ppb v/v
.ATTO15CALSTKi_00068	05/25/15	02/25/15	Zero Air, Lot 10	37.5 L	ATTO15CALs_00023	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

Lab Name: TestAmerica Burlington Job No.: 200-27725-1

SDG No.:

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

Lab Name: TestAmerica Burlington Job No.: 200-27725-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Pentane	200 ppb v/v
							Propene	200 ppb v/v
							sec-Butylbenzene	200 ppb v/v
							Styrene	200 ppb v/v
							tert-Butyl alcohol	200 ppb v/v
							tert-Butylbenzene	200 ppb v/v
							Tetrachloroethene	200 ppb v/v
							Tetrahydrofuran	200 ppb v/v
							Toluene	200 ppb v/v
							trans-1,2-Dichloroethene	200 ppb v/v
							trans-1,3-Dichloropropene	200 ppb v/v
							Trichloroethene	200 ppb v/v
							Trichlorofluoromethane	200 ppb v/v
							Undecane	200 ppb v/v
							Vinyl acetate	200 ppb v/v
							Vinyl chloride	200 ppb v/v
							Xylene, o-	200 ppb v/v
..ATTO15CALs_00023	12/31/15		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

Lab Name: TestAmerica Burlington Job No.: 200-27725-1

SDG No.:

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

Lab Name: TestAmerica Burlington Job No.: 200-27725-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							tert-Butyl alcohol	1 ppm v/v
							tert-Butylbenzene	1 ppm v/v
							Tetrachloroethene	1 ppm v/v
							Tetrahydrofuran	1 ppm v/v
							Toluene	1 ppm v/v
							trans-1,2-Dichloroethene	1 ppm v/v
							trans-1,3-Dichloropropene	1 ppm v/v
							Trichloroethene	1 ppm v/v
							Trichlorofluoromethane	1 ppm v/v
							Undecane	1 ppm v/v
							Vinyl acetate	1 ppm v/v
							Vinyl chloride	1 ppm v/v
							Xylene, o-	1 ppm v/v
.ATTO15EthCALw_00053	05/24/15	02/04/15	Zero Air, Lot 10	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_00104	05/24/15	02/26/15	Zero Air, Lot 10	15.463 L	ATTO15CALSTKi_00068	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

Lab Name: TestAmerica Burlington Job No.: 200-27725-1

SDG No.:

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

Lab Name: TestAmerica Burlington Job No.: 200-27725-1

SDG No.:

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

Lab Name: TestAmerica Burlington Job No.: 200-27725-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							n-Decane	19.9961 ppb v/v
							n-Heptane	19.9961 ppb v/v
							n-Hexane	19.9961 ppb v/v
							n-Nonane	19.9961 ppb v/v
							n-Octane	19.9961 ppb v/v
							n-Propylbenzene	19.9961 ppb v/v
							Naphthalene	19.9961 ppb v/v
							Pentane	19.9961 ppb v/v
							Propene	19.9961 ppb v/v
							sec-Butylbenzene	19.9961 ppb v/v
							Styrene	19.9961 ppb v/v
							tert-Butyl alcohol	19.9961 ppb v/v
							tert-Butylbenzene	19.9961 ppb v/v
							Tetrachloroethene	19.9961 ppb v/v
							Tetrahydrofuran	19.9961 ppb v/v
							Toluene	19.9961 ppb v/v
							trans-1,2-Dichloroethene	19.9961 ppb v/v
							trans-1,3-Dichloropropene	19.9961 ppb v/v
							Trichloroethene	19.9961 ppb v/v
							Trichlorofluoromethane	19.9961 ppb v/v
							Undecane	19.9961 ppb v/v
							Vinyl acetate	19.9961 ppb v/v
							Vinyl chloride	19.9961 ppb v/v
							Xylene, o-	19.9961 ppb v/v
					ATTO15EthCALw_00053	1237 mL	Ethanol	39.9987 ppb v/v
.ATTO15CALSTKi_00068	05/25/15	02/25/15	Zero Air, Lot 10	37.5 L	ATTO15CALs_00023	7500 mL	1,1,1-Trichloroethane	200 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-27725-1

SDG No.:

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

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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		
							Dodecane	200 ppb v/v
							Ethyl acetate	200 ppb v/v
							Ethyl ether	200 ppb v/v
							Ethylbenzene	200 ppb v/v
							Freon 22	200 ppb v/v
							Freon TF	200 ppb v/v
							Hexachlorobutadiene	200 ppb v/v
							Isopropyl alcohol	200 ppb v/v
							m,p-Xylene	400 ppb v/v
							Methyl Butyl Ketone (2-Hexanone)	200 ppb v/v
							Methyl Ethyl Ketone	200 ppb v/v
							methyl isobutyl ketone	200 ppb v/v
							Methyl methacrylate	200 ppb v/v
							Methyl tert-butyl ether	200 ppb v/v
							Methylene Chloride	200 ppb v/v
							n-Butane	200 ppb v/v
							n-Butanol	200 ppb v/v
							n-Butylbenzene	200 ppb v/v
							n-Decane	200 ppb v/v
							n-Heptane	200 ppb v/v
							n-Hexane	200 ppb v/v
							n-Nonane	200 ppb v/v
							n-Octane	200 ppb v/v
							n-Propylbenzene	200 ppb v/v
							Naphthalene	200 ppb v/v
							Pentane	200 ppb v/v
							Propene	200 ppb v/v
							sec-Butylbenzene	200 ppb v/v
							Styrene	200 ppb v/v
							tert-Butyl alcohol	200 ppb v/v
							tert-Butylbenzene	200 ppb v/v
							Tetrachloroethene	200 ppb v/v
							Tetrahydrofuran	200 ppb v/v
							Toluene	200 ppb v/v
							trans-1,2-Dichloroethene	200 ppb v/v
							trans-1,3-Dichloropropene	200 ppb v/v
							Trichloroethene	200 ppb v/v
							Trichlorofluoromethane	200 ppb v/v
							Undecane	200 ppb v/v
							Vinyl acetate	200 ppb v/v
							Vinyl chloride	200 ppb v/v
							Xylene, o-	200 ppb v/v
..ATTO15CALs_00023	12/31/15		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

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

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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		
							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_00053	05/24/15	02/04/15	Zero Air, Lot 10	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_00053	05/24/15	02/26/15	Zero Air, Lot 10	15.463 L	ATTO15CALSTKi_00068	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

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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		
							1,1-Dichloroethane	39.9922 ppb v/v
							1,1-Dichloroethene	39.9922 ppb v/v
							1,2,3-Trichlorobenzene	39.9922 ppb v/v
							1,2,3-Trichloropropane	39.9922 ppb v/v
							1,2,4-Trichlorobenzene	39.9922 ppb v/v
							1,2,4-Trimethylbenzene	39.9922 ppb v/v
							1,2-Dibromoethane	39.9922 ppb v/v
							1,2-Dichlorobenzene	39.9922 ppb v/v
							1,2-Dichloroethane	39.9922 ppb v/v
							1,2-Dichloropropane	39.9922 ppb v/v
							1,2-Dichlorotetrafluoroethane	39.9922 ppb v/v
							1,3,5-Trimethylbenzene	39.9922 ppb v/v
							1,3-Butadiene	39.9922 ppb v/v
							1,3-Dichlorobenzene	39.9922 ppb v/v
							1,4-Dichlorobenzene	39.9922 ppb v/v
							1,4-Dioxane	39.9922 ppb v/v
							2,2,4-Trimethylpentane	39.9922 ppb v/v
							2-Chlorotoluene	39.9922 ppb v/v
							2-Methylbutane	39.9922 ppb v/v
							3-Chloropropene	39.9922 ppb v/v
							4-Ethyltoluene	39.9922 ppb v/v
							4-Isopropyltoluene	39.9922 ppb v/v
							Acetone	39.9922 ppb v/v
							Acetonitrile	39.9922 ppb v/v
							Acrolein	39.9922 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-27725-1

SDG No.:

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

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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		
							Freon 22	39.9922 ppb v/v
							Freon TF	39.9922 ppb v/v
							Hexachlorobutadiene	39.9922 ppb v/v
							Isopropyl alcohol	39.9922 ppb v/v
							m,p-Xylene	79.9845 ppb v/v
							Methyl Butyl Ketone (2-Hexanone)	39.9922 ppb v/v
							Methyl Ethyl Ketone	39.9922 ppb v/v
							methyl isobutyl ketone	39.9922 ppb v/v
							Methyl methacrylate	39.9922 ppb v/v
							Methyl tert-butyl ether	39.9922 ppb v/v
							Methylene Chloride	39.9922 ppb v/v
							n-Butane	39.9922 ppb v/v
							n-Butanol	39.9922 ppb v/v
							n-Butylbenzene	39.9922 ppb v/v
							n-Decane	39.9922 ppb v/v
							n-Heptane	39.9922 ppb v/v
							n-Hexane	39.9922 ppb v/v
							n-Nonane	39.9922 ppb v/v
							n-Octane	39.9922 ppb v/v
							n-Propylbenzene	39.9922 ppb v/v
							Naphthalene	39.9922 ppb v/v
							Pentane	39.9922 ppb v/v
							Propene	39.9922 ppb v/v
							sec-Butylbenzene	39.9922 ppb v/v
							Styrene	39.9922 ppb v/v

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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		
							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_00053	3092 mL	Ethanol	99.9806 ppb v/v
.ATTO15CALSTKi_00068	05/25/15	02/25/15	Zero Air, Lot 10	37.5 L	ATTO15CALs_00023	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

Lab Name: TestAmerica Burlington Job No.: 200-27725-1

SDG No.:

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

Lab Name: TestAmerica Burlington Job No.: 200-27725-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							n-Heptane	200 ppb v/v
							n-Hexane	200 ppb v/v
							n-Nonane	200 ppb v/v
							n-Octane	200 ppb v/v
							n-Propylbenzene	200 ppb v/v
							Naphthalene	200 ppb v/v
							Pentane	200 ppb v/v
							Propene	200 ppb v/v
							sec-Butylbenzene	200 ppb v/v
							Styrene	200 ppb v/v
							tert-Butyl alcohol	200 ppb v/v
							tert-Butylbenzene	200 ppb v/v
							Tetrachloroethene	200 ppb v/v
							Tetrahydrofuran	200 ppb v/v
							Toluene	200 ppb v/v
							trans-1,2-Dichloroethene	200 ppb v/v
							trans-1,3-Dichloropropene	200 ppb v/v
							Trichloroethene	200 ppb v/v
							Trichlorofluoromethane	200 ppb v/v
							Undecane	200 ppb v/v
							Vinyl acetate	200 ppb v/v
							Vinyl chloride	200 ppb v/v
							Xylene, o-	200 ppb v/v
..ATTO15CALs_00023	12/31/15		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

Lab Name: TestAmerica Burlington Job No.: 200-27725-1

SDG No.:

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

Lab Name: TestAmerica Burlington Job No.: 200-27725-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							n-Propylbenzene	1 ppm v/v
							Naphthalene	1 ppm v/v
							Pentane	1 ppm v/v
							Propene	1 ppm v/v
							sec-Butylbenzene	1 ppm v/v
							Styrene	1 ppm v/v
							tert-Butyl alcohol	1 ppm v/v
							tert-Butylbenzene	1 ppm v/v
							Tetrachloroethene	1 ppm v/v
							Tetrahydrofuran	1 ppm v/v
							Toluene	1 ppm v/v
							trans-1,2-Dichloroethene	1 ppm v/v
							trans-1,3-Dichloropropene	1 ppm v/v
							Trichloroethene	1 ppm v/v
							Trichlorofluoromethane	1 ppm v/v
							Undecane	1 ppm v/v
							Vinyl acetate	1 ppm v/v
							Vinyl chloride	1 ppm v/v
							Xylene, o-	1 ppm v/v
.ATTO15EthCALw_00053	05/24/15	02/04/15	Zero Air, Lot 10	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
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_00468	05/04/15	02/27/15	Zero Air, Lot 10	15.463 L	ATTO15LCSSTKi_00059	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.: 200-27725-1

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.: 200-27725-1

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.: 200-27725-1

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_00059	05/26/15	02/26/15	Zero Air, Lot 10	37.5 L	ATTO15LCSs_00018	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

Lab Name: TestAmerica Burlington Job No.: 200-27725-1

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.: 200-27725-1

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_00018	12/31/15	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.: 200-27725-1

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_00474	06/12/15	03/20/15	Zero Air, Lot 10	15.463 L	ATTO15LCSSTKi_00060	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.: 200-27725-1

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

Lab Name: TestAmerica Burlington Job No.: 200-27725-1

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.: 200-27725-1

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_00060	06/12/15	03/12/15	Zero Air, Lot 10	37.5 L	ATTO15LCSs_00018	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

Lab Name: TestAmerica Burlington Job No.: 200-27725-1

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.: 200-27725-1

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_00018	12/31/15	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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-27725-1

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

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 Prd1 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

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

Spectra Gases, Inc.
3434 Route 22 West, Branchburg, New Jersey 08876 USA
ISO 9001:2000

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

Certification Summary

Client: FPM Remediations Inc
TestAmerica Job ID: 200-27725-1
Project/Site: Griffiss AFB 1015-11-01 B101

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.

Method TO15

Volatile Organic Compounds (GC/MS) by Method TO15

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

Lab Name: TestAmerica Burlington Job No.: 200-27725-1

SDG No.:

Matrix: Air Level: Low Lab File ID: 13349-003.D

Lab ID: LCS 200-87597/3 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Dichlorodifluoromethane	10.0	10.3	103	70-130	
Freon 22	10.0	10.9	109	70-130	
1,2-Dichlorotetrafluoroethane	10.0	12.0	120	70-130	
Chloromethane	10.0	10.7	107	70-130	
n-Butane	10.0	10.9	109	70-130	
Vinyl chloride	10.0	11.1	111	70-130	
1,3-Butadiene	10.0	10.9	109	70-130	
Bromomethane	10.0	11.0	110	70-130	
Chloroethane	10.0	10.2	102	70-130	
Bromoethene(Vinyl Bromide)	10.0	9.99	100	70-130	
Trichlorofluoromethane	10.0	9.92	99	70-130	
Freon TF	10.0	10.5	105	70-130	
1,1-Dichloroethene	10.0	10.4	104	70-130	
Acetone	10.0	10.4	104	70-130	
Isopropyl alcohol	10.0	8.80	88	70-130	
Carbon disulfide	10.0	12.5	125	70-130	
3-Chloropropene	10.0	9.23	92	70-130	
Methylene Chloride	10.0	10.3	103	70-130	
tert-Butyl alcohol	10.0	8.96	90	70-130	
Methyl tert-butyl ether	10.0	10.1	101	70-130	
trans-1,2-Dichloroethene	10.0	11.3	113	70-130	
n-Hexane	10.0	11.0	110	70-130	
1,1-Dichloroethane	10.0	10.6	106	70-130	
Methyl Ethyl Ketone	10.0	9.17	92	70-130	
cis-1,2-Dichloroethene	10.0	9.88	99	70-130	
Chloroform	10.0	10.0	100	70-130	
Tetrahydrofuran	10.0	11.6	116	70-130	
1,1,1-Trichloroethane	10.0	10.6	107	70-130	
Cyclohexane	10.0	10.7	107	70-130	
Carbon tetrachloride	10.0	10.3	103	70-130	
2,2,4-Trimethylpentane	10.0	10.6	106	70-130	
Benzene	10.0	10.6	106	70-130	
1,2-Dichloroethane	10.0	10.5	105	70-130	
n-Heptane	10.0	10.3	103	70-130	
Trichloroethene	10.0	9.79	98	70-130	
Methyl methacrylate	10.0	9.32	93	70-130	
1,2-Dichloropropane	10.0	9.42	94	70-130	
1,4-Dioxane	10.0	8.07	81	70-130	
Bromodichloromethane	10.0	9.70	97	70-130	
cis-1,3-Dichloropropene	10.0	9.46	95	70-130	
methyl isobutyl ketone	10.0	9.21	92	70-130	
Toluene	10.0	9.85	99	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.: 200-27725-1

SDG No.:

Matrix: Air Level: Low Lab File ID: 13349-003.D

Lab ID: LCS 200-87597/3 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
trans-1,3-Dichloropropene	10.0	9.00	90	70-130	
1,1,2-Trichloroethane	10.0	10.3	103	70-130	
Tetrachloroethene	10.0	9.76	98	70-130	
Methyl Butyl Ketone (2-Hexanone)	10.0	9.39	94	70-130	
Dibromochloromethane	10.0	9.80	98	70-130	
1,2-Dibromoethane	10.0	10.1	101	70-130	
Chlorobenzene	10.0	9.82	98	70-130	
Ethylbenzene	10.0	10.0	100	70-130	
m,p-Xylene	20.0	20.1	101	70-130	
Xylene, o-	10.0	9.62	96	70-130	
Styrene	10.0	9.78	98	70-130	
Bromoform	10.0	10.1	101	70-130	
Cumene	10.0	9.68	97	70-130	
1,1,2,2-Tetrachloroethane	10.0	10.4	104	70-130	
n-Propylbenzene	10.0	10.0	100	70-130	
4-Ethyltoluene	10.0	10.4	104	70-130	
1,3,5-Trimethylbenzene	10.0	9.84	98	70-130	
2-Chlorotoluene	10.0	10.1	101	70-130	
tert-Butylbenzene	10.0	9.66	97	70-130	
1,2,4-Trimethylbenzene	10.0	9.94	99	70-130	
sec-Butylbenzene	10.0	9.97	100	70-130	
4-Isopropyltoluene	10.0	9.84	98	70-130	
1,3-Dichlorobenzene	10.0	10.2	102	70-130	
1,4-Dichlorobenzene	10.0	10.1	101	70-130	
Benzyl chloride	10.0	9.24	92	70-130	
n-Butylbenzene	10.0	10.9	109	70-130	
1,2-Dichlorobenzene	10.0	10.1	101	70-130	
1,2,4-Trichlorobenzene	10.0	9.57	96	70-130	
Hexachlorobutadiene	10.0	9.56	96	70-130	
Naphthalene	10.0	9.30	93	70-130	

Column to be used to flag recovery and RPD values

FORM III TO-15

FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-27725-1

SDG No.:

Lab File ID: 13349-004.D Lab Sample ID: MB 200-87597/4

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

Instrument ID: CHX.i Date Analyzed: 04/29/2015 13:33

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 200-87597/3	13349-003.D	04/29/2015 12:44
101VMP0101GA	200-27725-1	13349-010.D	04/29/2015 18:27
101VMP0201GA	200-27725-2	13349-011.D	04/29/2015 19:17
101VMP0301GA	200-27725-3	13349-012.D	04/29/2015 20:06
101VMP0101GC	200-27725-4	13349-013.D	04/29/2015 20:55
101OA0305GA	200-27725-7	13349-016.D	04/29/2015 23:23
101CA01GA	200-27725-8	13349-017.D	04/30/2015 00:12
042215TB	200-27725-9	13349-018.D	04/30/2015 01:02
101IA0305GA	200-27725-5	13349-021.D	04/30/2015 08:01
101IA0405GA	200-27725-6	13349-022.D	04/30/2015 08:51

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-27725-1

SDG No.:

Lab File ID: 12677-001.D BFB Injection Date: 03/19/2015

Instrument ID: CHX.i BFB Injection Time: 16:11

Analysis Batch No.: 85787

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	13.7	
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	6.4	
173	Less than 2.0% of mass 174	0.8	(0.8)1
174	50.0 - 120.0% of mass 95	102.6	
175	4.0 - 9.0 % of mass 174	7.4	(7.2)1
176	93.0 - 101.0% of mass 174	100.0	(97.4)1
177	5.0 - 9.0% of mass 176	6.5	(6.5)2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 200-85787/4	12677-004.D	03/19/2015	18:34
	IC 200-85787/5	12677-005.D	03/19/2015	19:23
	IC 200-85787/6	12677-006.D	03/19/2015	20:12
	IC 200-85787/7	12677-007.D	03/19/2015	21:01
	ICIS 200-85787/8	12677-008.D	03/19/2015	21:50
	IC 200-85787/9	12677-009.D	03/19/2015	22:39
	IC 200-85787/10	12677-010.D	03/19/2015	23:28
	IC 200-85787/11	12677-011.D	03/20/2015	00:18
	ICV 200-85787/19	12677-019.D	03/20/2015	09:46

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-27725-1

SDG No.:

Lab File ID: 13349-001.D BFB Injection Date: 04/29/2015

Instrument ID: CHX.i BFB Injection Time: 11:07

Analysis Batch No.: 87597

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	15.3	
75	30.0 - 66.0% of mass 95	45.5	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	6.5	
173	Less than 2.0% of mass 174	0.8	(0.7)1
174	50.0 - 120.0% of mass 95	104.9	
175	4.0 - 9.0 % of mass 174	7.5	(7.1)1
176	93.0 - 101.0% of mass 174	101.7	(96.9)1
177	5.0 - 9.0% of mass 176	6.5	(6.4)2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 200-87597/2	13349-002.D	04/29/2015	11:55
	LCS 200-87597/3	13349-003.D	04/29/2015	12:44
	MB 200-87597/4	13349-004.D	04/29/2015	13:33
101VMP0101GA	200-27725-1	13349-010.D	04/29/2015	18:27
101VMP0201GA	200-27725-2	13349-011.D	04/29/2015	19:17
101VMP0301GA	200-27725-3	13349-012.D	04/29/2015	20:06
101VMP0101GC	200-27725-4	13349-013.D	04/29/2015	20:55
101OA0305GA	200-27725-7	13349-016.D	04/29/2015	23:23
101CA01GA	200-27725-8	13349-017.D	04/30/2015	00:12
042215TB	200-27725-9	13349-018.D	04/30/2015	01:02
101IA0305GA	200-27725-5	13349-021.D	04/30/2015	08:01
101IA0405GA	200-27725-6	13349-022.D	04/30/2015	08:51

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

Lab Name: TestAmerica Burlington Job No.: 200-27725-1

SDG No.:

Sample No.: ICIS 200-85787/8 Date Analyzed: 03/19/2015 21:50

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

Lab File ID (Standard): 12677-008.D Heated Purge: (Y/N) N

Calibration ID: 30154

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		290160	10.32	1575648	12.32	1464918	18.53
UPPER LIMIT		406224	10.65	2205907	12.65	2050885	18.86
LOWER LIMIT		174096	9.99	945389	11.99	878951	18.20
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 200-85787/19		303857	10.32	1629499	12.32	1513223	18.53

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.: 200-27725-1

SDG No.:

Sample No.: CCVIS 200-87597/2 Date Analyzed: 04/29/2015 11:55

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

Lab File ID (Standard): 13349-002.D Heated Purge: (Y/N) N

Calibration ID: 30154

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		341073	10.31	1673600	12.30	1517849	18.52
UPPER LIMIT		477502	10.64	2343040	12.63	2124989	18.85
LOWER LIMIT		204644	9.98	1004160	11.97	910709	18.19
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 200-87597/3		347963	10.31	1710259	12.30	1530269	18.52
MB 200-87597/4		339576	10.30	1744295	12.30	1539011	18.52
200-27725-1	101VMP0101GA	337983	10.31	1649438	12.30	1467168	18.52
200-27725-2	101VMP0201GA	335508	10.30	1625174	12.30	1440538	18.52
200-27725-3	101VMP0301GA	344995	10.31	1673646	12.30	1470696	18.52
200-27725-4	101VMP0101GC	340209	10.31	1642278	12.30	1457903	18.52
200-27725-7	101OA0305GA	337663	10.31	1646770	12.30	1457662	18.52
200-27725-8	101CA01GA	332953	10.30	1620369	12.30	1436008	18.52
200-27725-9	042215TB	327916	10.30	1643669	12.30	1465118	18.52
200-27725-5	101IA0305GA	329810	10.30	1615087	12.30	1436227	18.52
200-27725-6	101IA0405GA	317140	10.30	1544854	12.30	1333938	18.52

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

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO-15

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

Lab Name: TestAmerica Burlington Job No.: 200-27725-1

SDG No.:

Client Sample ID: 101VMP0101GA Lab Sample ID: 200-27725-1

Matrix: Air Lab File ID: 13349-010.D

Analysis Method: TO-15 Date Collected: 04/23/2015 11:35

Sample wt/vol: 125(mL) Date Analyzed: 04/29/2015 18:27

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.: 87597 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	0.50	J D	0.80	0.090
75-45-6	Freon 22	86.47	0.44	J D	0.80	0.13
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.13	U	0.32	0.083
74-87-3	Chloromethane	50.49	0.32	U	0.80	0.096
106-97-8	n-Butane	58.12	8.5	D	0.80	0.29
75-01-4	Vinyl chloride	62.50	0.048	U	0.32	0.042
106-99-0	1,3-Butadiene	54.09	0.13	U	0.32	0.058
74-83-9	Bromomethane	94.94	0.13	U	0.32	0.070
75-00-3	Chloroethane	64.52	0.13	U	0.80	0.098
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.048	U	0.32	0.032
75-69-4	Trichlorofluoromethane	137.37	0.82	D	0.32	0.072
76-13-1	Freon TF	187.38	0.088	J D	0.32	0.066
75-35-4	1,1-Dichloroethene	96.94	0.048	U	0.32	0.016
67-64-1	Acetone	58.08	17	D	8.0	1.1
67-63-0	Isopropyl alcohol	60.10	2.9	J D	8.0	0.24
75-15-0	Carbon disulfide	76.14	0.67	J D	0.80	0.048
107-05-1	3-Chloropropene	76.53	0.32	U	0.80	0.26
75-09-2	Methylene Chloride	84.93	0.44	J D	0.80	0.19
75-65-0	tert-Butyl alcohol	74.12	0.90	J D	8.0	0.19
1634-04-4	Methyl tert-butyl ether	88.15	0.048	U	0.32	0.035
156-60-5	trans-1,2-Dichloroethene	96.94	0.048	U	0.32	0.043
110-54-3	n-Hexane	86.17	0.72	D	0.32	0.045
75-34-3	1,1-Dichloroethane	98.96	0.048	U	0.32	0.045
78-93-3	Methyl Ethyl Ketone	72.11	16	D	0.80	0.15
156-59-2	cis-1,2-Dichloroethene	96.94	0.13	U	0.32	0.048
540-59-0	1,2-Dichloroethene, Total	96.94	0.13	U	0.32	0.085
67-66-3	Chloroform	119.38	19	D	0.32	0.061
109-99-9	Tetrahydrofuran	72.11	54	D	8.0	0.29
71-55-6	1,1,1-Trichloroethane	133.41	0.15	J D	0.32	0.048
110-82-7	Cyclohexane	84.16	0.33	D	0.32	0.016
56-23-5	Carbon tetrachloride	153.81	0.12	J D	0.32	0.018
540-84-1	2,2,4-Trimethylpentane	114.23	0.048	U	0.32	0.037
71-43-2	Benzene	78.11	0.38	D	0.32	0.046
107-06-2	1,2-Dichloroethane	98.96	0.13	U	0.32	0.083

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

Lab Name: TestAmerica Burlington Job No.: 200-27725-1

SDG No.:

Client Sample ID: 101VMP0101GA Lab Sample ID: 200-27725-1

Matrix: Air Lab File ID: 13349-010.D

Analysis Method: TO-15 Date Collected: 04/23/2015 11:35

Sample wt/vol: 125(mL) Date Analyzed: 04/29/2015 18:27

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.: 87597 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
142-82-5	n-Heptane	100.21	0.36	D M	0.32	0.059
79-01-6	Trichloroethene	131.39	7.8	D	0.32	0.048
80-62-6	Methyl methacrylate	100.12	0.32	U	0.80	0.15
78-87-5	1,2-Dichloropropane	112.99	0.13	U	0.32	0.056
123-91-1	1,4-Dioxane	88.11	0.32	U	8.0	0.26
75-27-4	Bromodichloromethane	163.83	0.088	J D	0.32	0.046
10061-01-5	cis-1,3-Dichloropropene	110.97	0.048	U	0.32	0.046
108-10-1	methyl isobutyl ketone	100.16	0.32	U	0.80	0.29
108-88-3	Toluene	92.14	1.9	D	0.32	0.040
10061-02-6	trans-1,3-Dichloropropene	110.97	0.048	U	0.32	0.042
79-00-5	1,1,2-Trichloroethane	133.41	0.13	U	0.32	0.059
127-18-4	Tetrachloroethene	165.83	0.048	U	0.32	0.048
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.32	U	0.80	0.27
124-48-1	Dibromochloromethane	208.29	0.048	U	0.32	0.032
106-93-4	1,2-Dibromoethane	187.87	0.048	U	0.32	0.029
108-90-7	Chlorobenzene	112.56	0.048	U	0.32	0.029
100-41-4	Ethylbenzene	106.17	0.19	J D	0.32	0.032
179601-23-1	m,p-Xylene	106.17	0.50	J D	0.80	0.040
95-47-6	Xylene, o-	106.17	0.18	J D	0.32	0.029
1330-20-7	Xylene (total)	106.17	0.68		0.32	0.066
100-42-5	Styrene	104.15	0.43	D	0.32	0.026
75-25-2	Bromoform	252.75	0.048	U	0.32	0.040
98-82-8	Cumene	120.19	0.048	U	0.32	0.030
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.13	U	0.32	0.054
103-65-1	n-Propylbenzene	120.19	0.050	J D	0.32	0.043
622-96-8	4-Ethyltoluene	120.20	0.071	J D	0.32	0.032
108-67-8	1,3,5-Trimethylbenzene	120.20	0.078	J D	0.32	0.030
95-49-8	2-Chlorotoluene	126.59	0.13	U	0.32	0.050
98-06-6	tert-Butylbenzene	134.22	0.048	U	0.32	0.032
95-63-6	1,2,4-Trimethylbenzene	120.20	0.27	J D	0.32	0.026
135-98-8	sec-Butylbenzene	134.22	0.048	U	0.32	0.034
99-87-6	4-Isopropyltoluene	134.22	0.048	U	0.32	0.032
541-73-1	1,3-Dichlorobenzene	147.00	0.19	J D	0.32	0.032
106-46-7	1,4-Dichlorobenzene	147.00	0.048	U	0.32	0.030

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

Lab Name: TestAmerica Burlington Job No.: 200-27725-1

SDG No.:

Client Sample ID: 101VMP0101GA Lab Sample ID: 200-27725-1

Matrix: Air Lab File ID: 13349-010.D

Analysis Method: TO-15 Date Collected: 04/23/2015 11:35

Sample wt/vol: 125(mL) Date Analyzed: 04/29/2015 18:27

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.: 87597 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	0.048	U	0.32	0.029
104-51-8	n-Butylbenzene	134.22	0.048	U	0.32	0.045
95-50-1	1,2-Dichlorobenzene	147.00	0.048	U	0.32	0.029
120-82-1	1,2,4-Trichlorobenzene	181.45	0.13	U	0.80	0.054
87-68-3	Hexachlorobutadiene	260.76	0.13	U	0.32	0.058
91-20-3	Naphthalene	128.17	0.13	U	0.80	0.048

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

Lab Name: TestAmerica Burlington Job No.: 200-27725-1

SDG No.:

Client Sample ID: 101VMP0101GA Lab Sample ID: 200-27725-1

Matrix: Air Lab File ID: 13349-010.D

Analysis Method: TO-15 Date Collected: 04/23/2015 11:35

Sample wt/vol: 125(mL) Date Analyzed: 04/29/2015 18:27

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.: 87597 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	2.5	J D	4.0	0.44
75-45-6	Freon 22	86.47	1.6	J D	2.8	0.45
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.89	U	2.2	0.58
74-87-3	Chloromethane	50.49	0.66	U	1.7	0.20
106-97-8	n-Butane	58.12	20	D	1.9	0.68
75-01-4	Vinyl chloride	62.50	0.12	U	0.82	0.11
106-99-0	1,3-Butadiene	54.09	0.28	U	0.71	0.13
74-83-9	Bromomethane	94.94	0.50	U	1.2	0.27
75-00-3	Chloroethane	64.52	0.34	U	2.1	0.26
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.21	U	1.4	0.14
75-69-4	Trichlorofluoromethane	137.37	4.6	D	1.8	0.40
76-13-1	Freon TF	187.38	0.68	J D	2.5	0.50
75-35-4	1,1-Dichloroethene	96.94	0.19	U	1.3	0.063
67-64-1	Acetone	58.08	41	D	19	2.6
67-63-0	Isopropyl alcohol	60.10	7.0	J D	20	0.59
75-15-0	Carbon disulfide	76.14	2.1	J D	2.5	0.15
107-05-1	3-Chloropropene	76.53	1.0	U	2.5	0.80
75-09-2	Methylene Chloride	84.93	1.5	J D	2.8	0.67
75-65-0	tert-Butyl alcohol	74.12	2.7	J D	24	0.58
1634-04-4	Methyl tert-butyl ether	88.15	0.17	U	1.2	0.13
156-60-5	trans-1,2-Dichloroethene	96.94	0.19	U	1.3	0.17
110-54-3	n-Hexane	86.17	2.5	D	1.1	0.16
75-34-3	1,1-Dichloroethane	98.96	0.19	U	1.3	0.18
78-93-3	Methyl Ethyl Ketone	72.11	49	D	2.4	0.43
156-59-2	cis-1,2-Dichloroethene	96.94	0.51	U	1.3	0.19
540-59-0	1,2-Dichloroethene, Total	96.94	0.51	U	1.3	0.34
67-66-3	Chloroform	119.38	93	D	1.6	0.30
109-99-9	Tetrahydrofuran	72.11	160	D	24	0.85
71-55-6	1,1,1-Trichloroethane	133.41	0.79	J D	1.7	0.26
110-82-7	Cyclohexane	84.16	1.1	D	1.1	0.055
56-23-5	Carbon tetrachloride	153.81	0.76	J D	2.0	0.11
540-84-1	2,2,4-Trimethylpentane	114.23	0.22	U	1.5	0.17
71-43-2	Benzene	78.11	1.2	D	1.0	0.15
107-06-2	1,2-Dichloroethane	98.96	0.52	U	1.3	0.34

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

Lab Name: TestAmerica Burlington Job No.: 200-27725-1

SDG No.:

Client Sample ID: 101VMP0101GA Lab Sample ID: 200-27725-1

Matrix: Air Lab File ID: 13349-010.D

Analysis Method: TO-15 Date Collected: 04/23/2015 11:35

Sample wt/vol: 125(mL) Date Analyzed: 04/29/2015 18:27

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.: 87597 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
142-82-5	n-Heptane	100.21	1.5	D M	1.3	0.24
79-01-6	Trichloroethene	131.39	42	D	1.7	0.26
80-62-6	Methyl methacrylate	100.12	1.3	U	3.3	0.63
78-87-5	1,2-Dichloropropane	112.99	0.59	U	1.5	0.26
123-91-1	1,4-Dioxane	88.11	1.2	U	29	0.92
75-27-4	Bromodichloromethane	163.83	0.59	J D	2.1	0.31
10061-01-5	cis-1,3-Dichloropropene	110.97	0.22	U	1.5	0.21
108-10-1	methyl isobutyl ketone	100.16	1.3	U	3.3	1.2
108-88-3	Toluene	92.14	7.2	D	1.2	0.15
10061-02-6	trans-1,3-Dichloropropene	110.97	0.22	U	1.5	0.19
79-00-5	1,1,2-Trichloroethane	133.41	0.70	U	1.7	0.32
127-18-4	Tetrachloroethene	165.83	0.33	U	2.2	0.33
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	1.3	U	3.3	1.1
124-48-1	Dibromochloromethane	208.29	0.41	U	2.7	0.27
106-93-4	1,2-Dibromoethane	187.87	0.37	U	2.5	0.22
108-90-7	Chlorobenzene	112.56	0.22	U	1.5	0.13
100-41-4	Ethylbenzene	106.17	0.84	J D	1.4	0.14
179601-23-1	m,p-Xylene	106.17	2.2	J D	3.5	0.17
95-47-6	Xylene, o-	106.17	0.79	J D	1.4	0.13
1330-20-7	Xylene (total)	106.17	3.0		1.4	0.28
100-42-5	Styrene	104.15	1.8	D	1.4	0.11
75-25-2	Bromoform	252.75	0.50	U	3.3	0.41
98-82-8	Cumene	120.19	0.24	U	1.6	0.15
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.88	U	2.2	0.37
103-65-1	n-Propylbenzene	120.19	0.25	J D	1.6	0.21
622-96-8	4-Ethyltoluene	120.20	0.35	J D	1.6	0.16
108-67-8	1,3,5-Trimethylbenzene	120.20	0.38	J D	1.6	0.15
95-49-8	2-Chlorotoluene	126.59	0.66	U	1.7	0.26
98-06-6	tert-Butylbenzene	134.22	0.26	U	1.8	0.18
95-63-6	1,2,4-Trimethylbenzene	120.20	1.3	J D	1.6	0.13
135-98-8	sec-Butylbenzene	134.22	0.26	U	1.8	0.18
99-87-6	4-Isopropyltoluene	134.22	0.26	U	1.8	0.18
541-73-1	1,3-Dichlorobenzene	147.00	1.1	J D	1.9	0.19
106-46-7	1,4-Dichlorobenzene	147.00	0.29	U	1.9	0.18

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

Lab Name: TestAmerica Burlington Job No.: 200-27725-1

SDG No.:

Client Sample ID: 101VMP0101GA Lab Sample ID: 200-27725-1

Matrix: Air Lab File ID: 13349-010.D

Analysis Method: TO-15 Date Collected: 04/23/2015 11:35

Sample wt/vol: 125(mL) Date Analyzed: 04/29/2015 18:27

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.: 87597 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	0.25	U	1.7	0.15
104-51-8	n-Butylbenzene	134.22	0.26	U	1.8	0.25
95-50-1	1,2-Dichlorobenzene	147.00	0.29	U	1.9	0.17
120-82-1	1,2,4-Trichlorobenzene	181.45	0.95	U	5.9	0.40
87-68-3	Hexachlorobutadiene	260.76	1.4	U	3.4	0.61
91-20-3	Naphthalene	128.17	0.67	U	4.2	0.25

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHX.i\20150429-13349.b\13349-010.D
Lims ID: 200-27725-A-1 Lab Sample ID: 200-27725-1
Client ID: 101VMP0101GA
Sample Type: Client
Inject. Date: 29-Apr-2015 18:27:30 ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 200.000 mL Dil. Factor: 1.6000
Sample Info: 200-0013349-010
Misc. Info.: 27725-01
Operator ID: wrd Instrument ID: CHX.i

Method: \\BTV-LIMS1\ChromData\CHX.i\20150429-13349.b\TO15_LLNJ_TO3_CHX.i.m.m
Limit Group: AI_TO15_ICAL
Last Update: 30-Apr-2015 08:55:06 Calib Date: 20-Mar-2015 00:18:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHX.i\20150319-12677.b\12677-011.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK004

First Level Reviewer: lyonsb Date: 30-Apr-2015 08:38:00

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	3.108	3.113	-0.005	99	21870	0.3100	
3 Chlorodifluoromethane	51	3.161	3.167	-0.006	96	9495	0.2775	
4 1,2-Dichloro-1,1,2,2-tetra	85		3.375				ND	
5 Chloromethane	50		3.520				ND	
6 Butane	43	3.707	3.712	-0.005	99	152520	5.30	
7 Vinyl chloride	62		3.761				ND	
8 Butadiene	54		3.835				ND	
9 Bromomethane	94		4.510				ND	
10 Chloroethane	64		4.740				ND	
12 Vinyl bromide	106		5.125				ND	
13 Trichlorofluoromethane	101	5.210	5.216	-0.006	98	39246	0.5153	
18 1,1,2-Trichloro-1,2,2-trif	101	6.264	6.270	-0.006	60	3221	0.0551	
20 1,1-Dichloroethene	96		6.328				ND	
21 Acetone	43	6.564	6.575	-0.011	89	336391	10.9	
22 Carbon disulfide	76	6.719	6.724	-0.005	98	29273	0.4184	
23 Isopropyl alcohol	45	6.853	6.847	0.006	98	52114	1.79	
24 3-Chloro-1-propene	41		7.115				ND	
26 Methylene Chloride	49	7.409	7.409	0.000	85	7114	0.2778	
28 2-Methyl-2-propanol	59	7.623	7.618	0.005	97	26817	0.5651	
29 Methyl tert-butyl ether	73		7.794				ND	
30 trans-1,2-Dichloroethene	61		7.837				ND	
32 Hexane	57	8.206	8.206	0.000	88	17118	0.4519	
33 1,1-Dichloroethane	63		8.720				ND	
35 cis-1,2-Dichloroethene	96		9.838				ND	
36 2-Butanone (MEK)	72	9.881	9.886	-0.005	98	170802	10.3	
S 38 1,2-Dichloroethene, Total	61		10.000				ND	
39 Tetrahydrofuran	42	10.293	10.298	-0.005	88	795425	34.0	
* 40 Chlorobromomethane	128	10.309	10.314	-0.005	86	337983	10.0	
41 Chloroform	83	10.437	10.437	0.000	100	778355	11.9	
42 Cyclohexane	84	10.678	10.678	0.000	90	8742	0.2081	
43 1,1,1-Trichloroethane	97	10.704	10.715	-0.011	96	5745	0.0906	

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
	44 Carbon tetrachloride	117	10.956	10.967	-0.011	67	5257	0.0757	
	45 Isooctane	57		11.395				ND	
	46 Benzene	78	11.448	11.448	0.000	94	22888	0.2371	
	47 1,2-Dichloroethane	62		11.646				ND	
	48 n-Heptane	43	11.774	11.785	-0.011	1	10391	0.2254	M
*	50 1,4-Difluorobenzene	114	12.304	12.304	0.000	93	1649438	10.0	
	52 Trichloroethene	95	12.780	12.786	-0.006	96	223819	4.86	
	53 1,2-Dichloropropane	63		13.379				ND	
	54 Methyl methacrylate	69		13.529				ND	
	55 1,4-Dioxane	88		13.593				ND	
	57 Dichlorobromomethane	83	13.957	13.957	0.000	92	3877	0.0551	
	58 cis-1,3-Dichloropropene	75		14.931				ND	
	61 4-Methyl-2-pentanone (MIBK	43	15.220	15.220	0.000	91	5453	0.0869	
	62 Toluene	92	15.535	15.535	0.000	95	87966	1.19	
	67 trans-1,3-Dichloropropene	75		16.156				ND	
	68 1,1,2-Trichloroethane	83		16.546				ND	
	69 Tetrachloroethene	166	16.637	16.637	0.000	89	2044	0.0274	
	70 2-Hexanone	43	16.990	16.985	0.005	86	7813	0.1302	7
	71 Chlorodibromomethane	129		17.327				ND	
	72 Ethylene Dibromide	107		17.611				ND	
*	73 Chlorobenzene-d5	117	18.515	18.520	-0.005	84	1467168	10.0	
	74 Chlorobenzene	112		18.579				ND	
	75 Ethylbenzene	91	18.718	18.724	-0.006	97	19932	0.1214	
	77 m-Xylene & p-Xylene	106	18.970	18.975	-0.005	100	21053	0.3102	
	78 o-Xylene	106	19.788	19.783	0.005	94	7609	0.1134	
	79 Styrene	104	19.836	19.836	0.000	97	28426	0.2703	
S	80 Xylenes, Total	106				0		0.4236	
	81 Bromoform	173		20.243				ND	
	82 Isopropylbenzene	105		20.414				ND	
*	83 4-Bromofluorobenzene	95	20.773	20.773	0.000	98	986858	10.0	
	85 1,1,2,2-Tetrachloroethane	83		21.040				ND	
	86 N-Propylbenzene	91	21.094	21.094	0.000	68	7156	0.0314	7
	89 4-Ethyltoluene	105	21.275	21.276	-0.001	98	8812	0.0444	
	90 2-Chlorotoluene	91		21.297				ND	
	91 1,3,5-Trimethylbenzene	105	21.372	21.372	0.000	92	8157	0.0486	
	93 tert-Butylbenzene	119		21.848				ND	
	94 1,2,4-Trimethylbenzene	105	21.933	21.939	-0.006	97	28277	0.1680	
	95 sec-Butylbenzene	105		22.158				ND	
	96 4-Isopropyltoluene	119		22.356				ND	
	97 1,3-Dichlorobenzene	146	22.399	22.404	-0.005	94	14780	0.1177	
	98 1,4-Dichlorobenzene	146		22.543				ND	
	99 Benzyl chloride	91		22.747				ND	
	101 n-Butylbenzene	91		22.950				ND	
	102 1,2-Dichlorobenzene	146		23.105				ND	
	104 1,2,4-Trichlorobenzene	180		25.759				ND	
	105 Hexachlorobutadiene	225		25.940				ND	
	106 Naphthalene	128		26.294				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

Reagents:

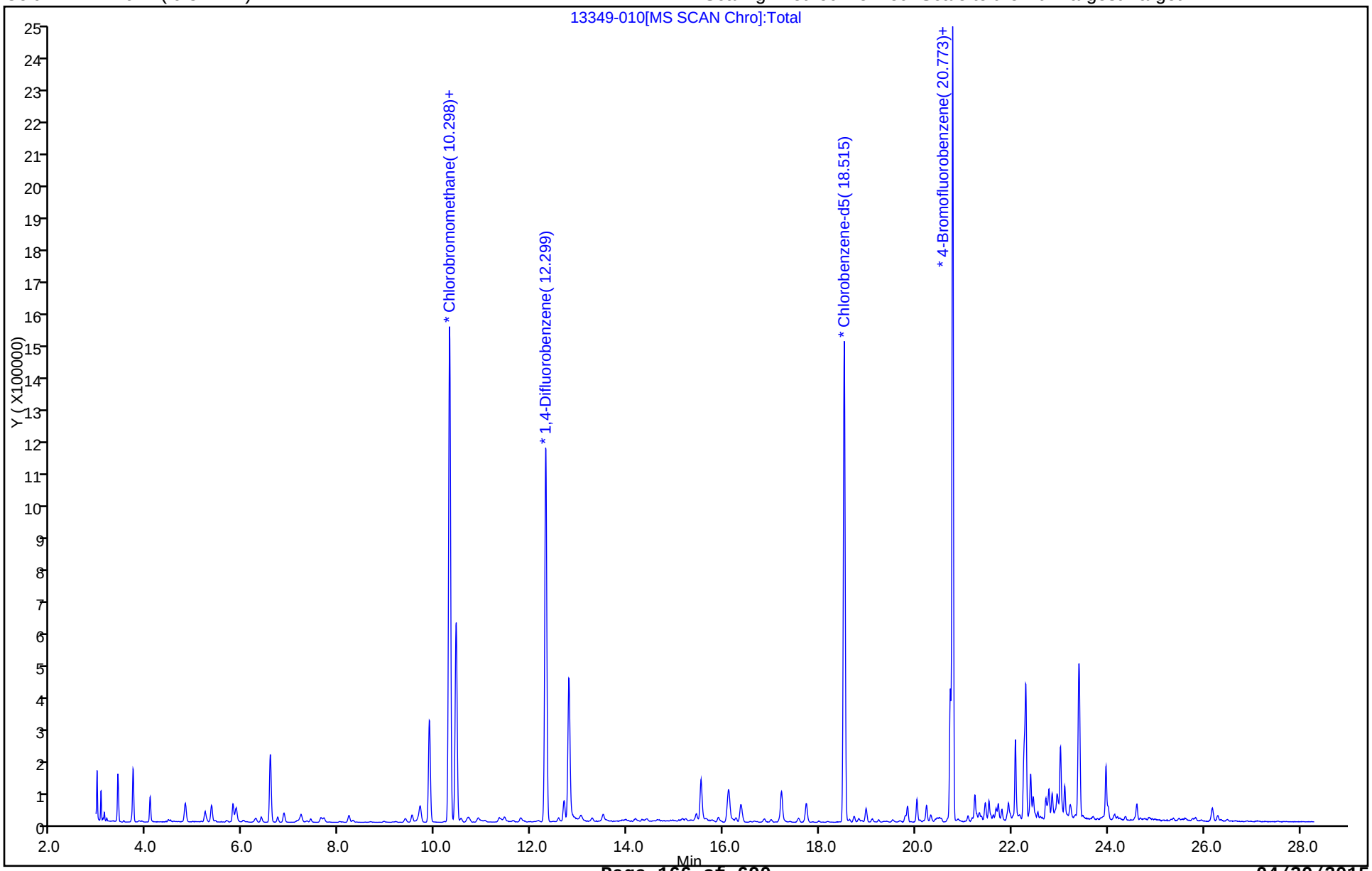
ATTO15GIS_00009	Amount Added:	20.00	Units: mL	Run Reagent

Report Date: 30-Apr-2015 08:55:18 Chrom Revision: 2.2 09-Apr-2015 10:05:40

TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHX.i\20150429-13349.b\13349-010.D				
Injection Date:	29-Apr-2015 18:27:30	Instrument ID:	CHX.i	Operator ID:	wrd
Lims ID:	200-27725-A-1	Lab Sample ID:	200-27725-1	Worklist Smp#:	10
Client ID:	101VMP0101GA				
Purge Vol:	200.000 mL	Dil. Factor:	1.6000	ALS Bottle#:	9
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1

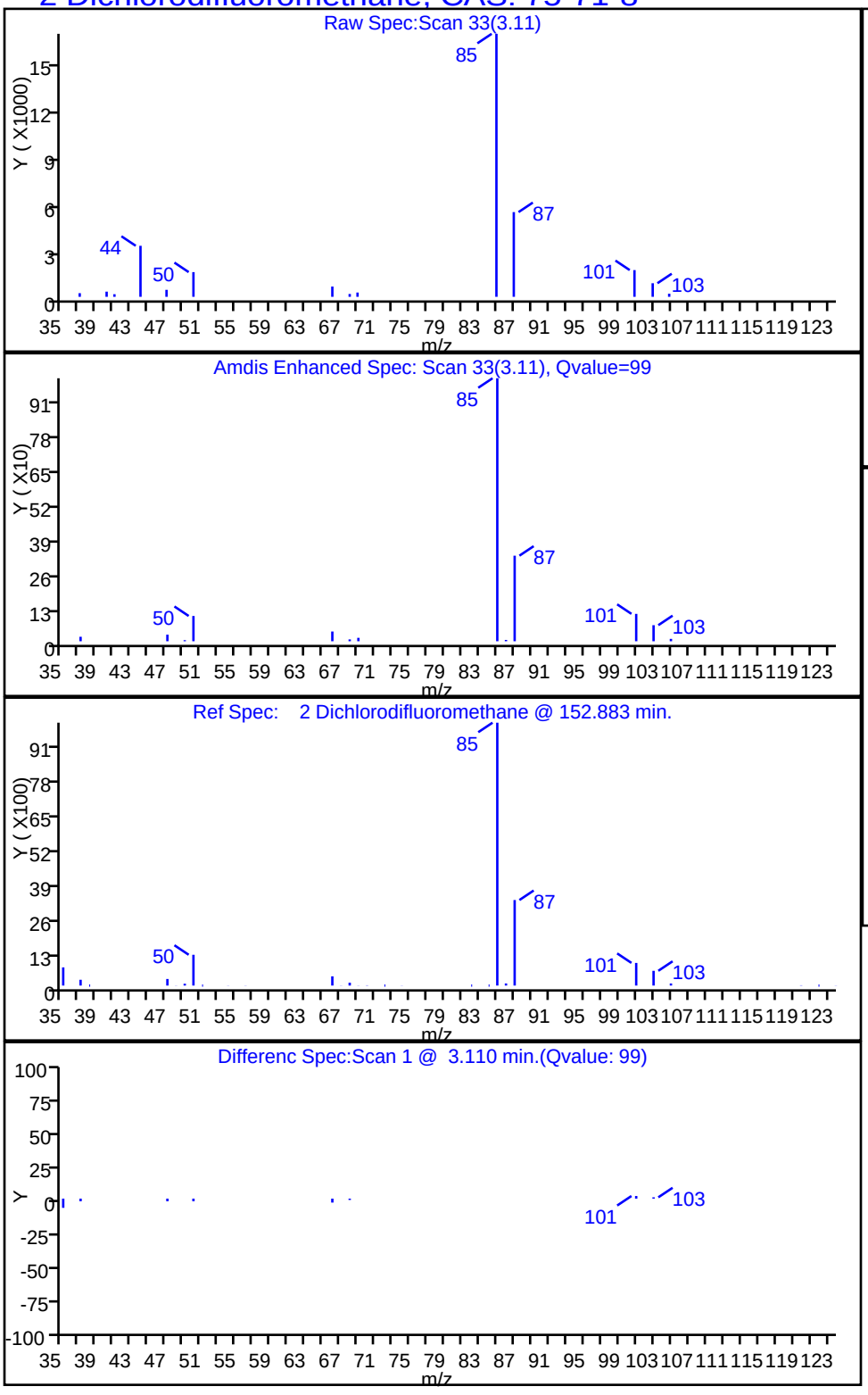


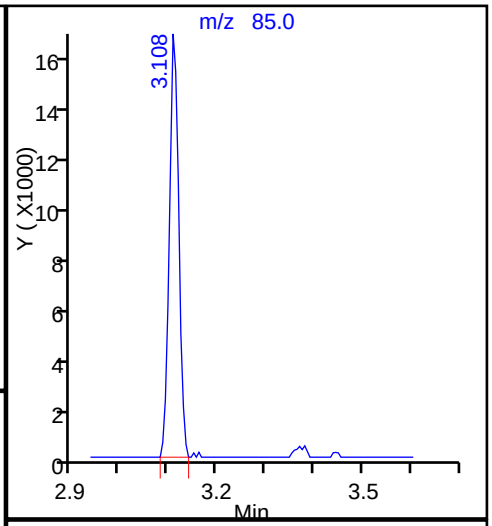
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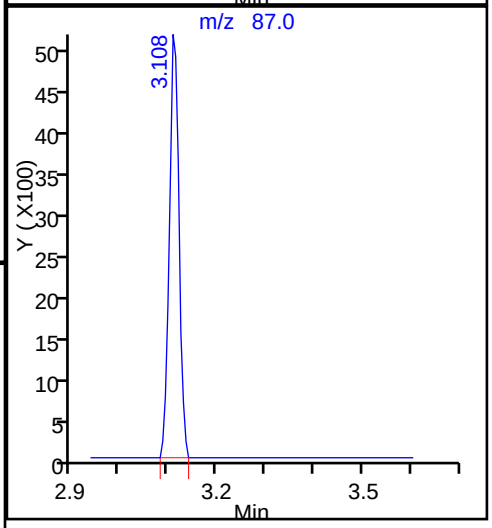
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Injection Date:	29-Apr-2015 18:27:30	Instrument ID:	CHX.i		
Lims ID:	200-27725-A-1	Lab Sample ID:	200-27725-1		
Client ID:	101VMP0101GA				
Operator ID:	wrd	ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	1.6000		
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

2 Dichlorodifluoromethane, CAS: 75-71-8





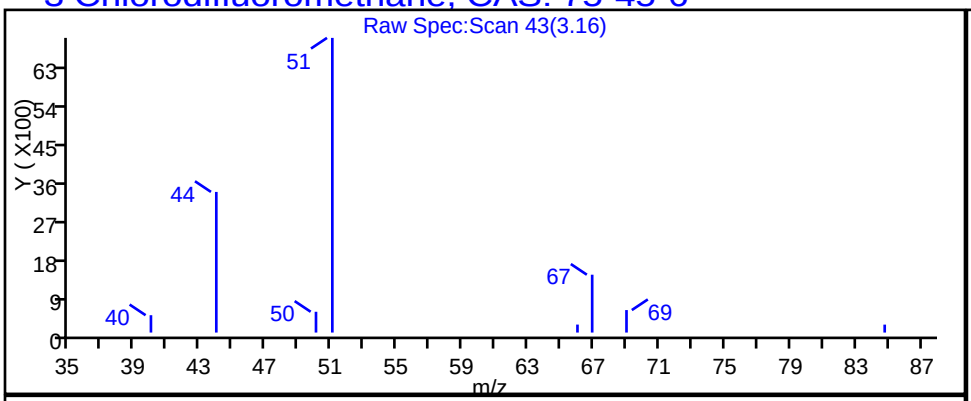


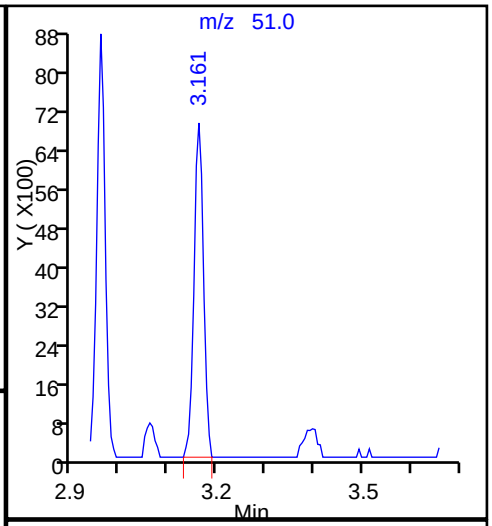
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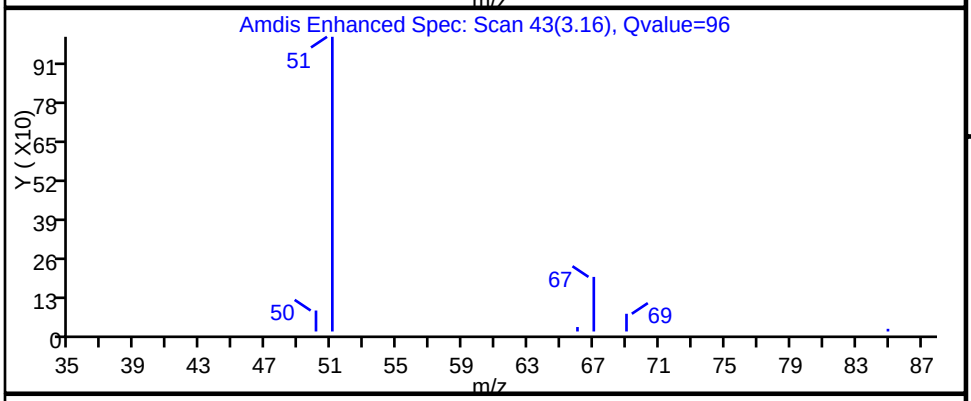
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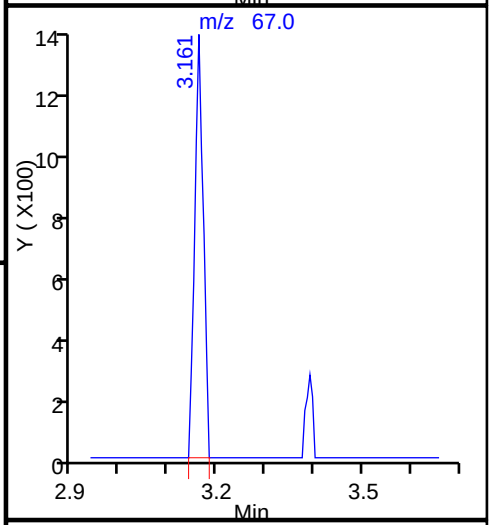
Injection Date:	29-Apr-2015 18:27:30	Instrument ID:	CHX.i		
Lims ID:	200-27725-A-1	Lab Sample ID:	200-27725-1		
Client ID:	101VMP0101GA				
Operator ID:	wrd	ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	1.6000		
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

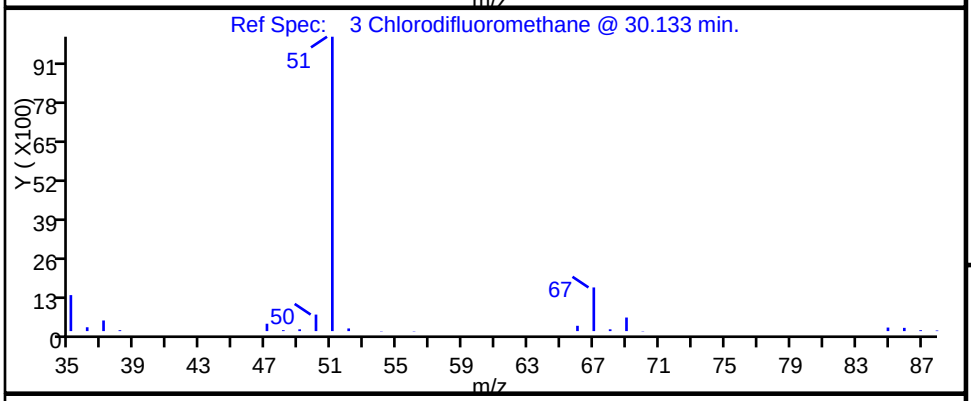
3 Chlorodifluoromethane, CAS: 75-45-6

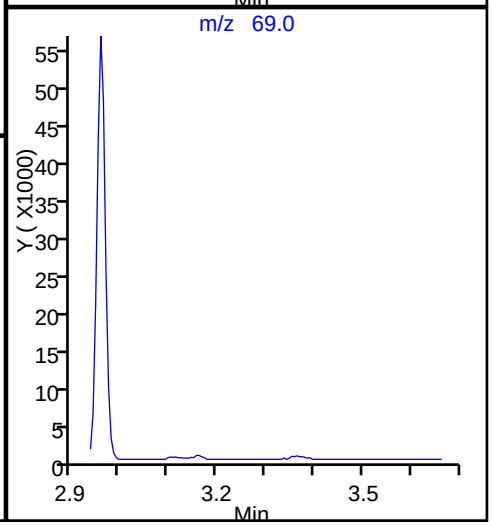


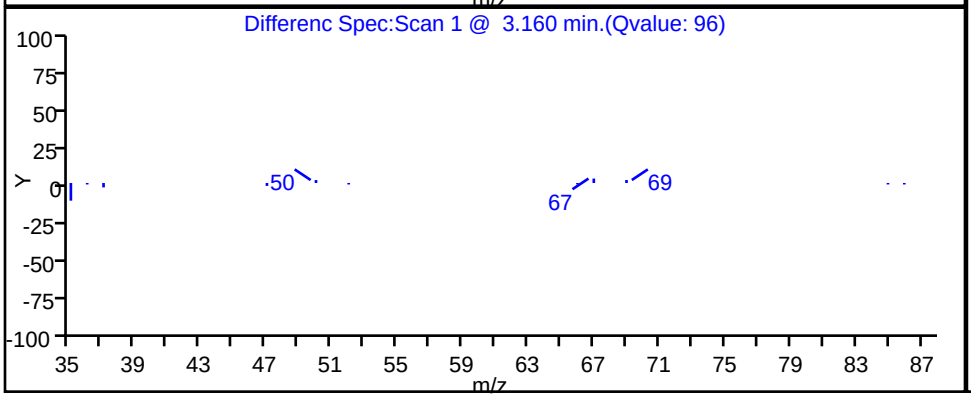








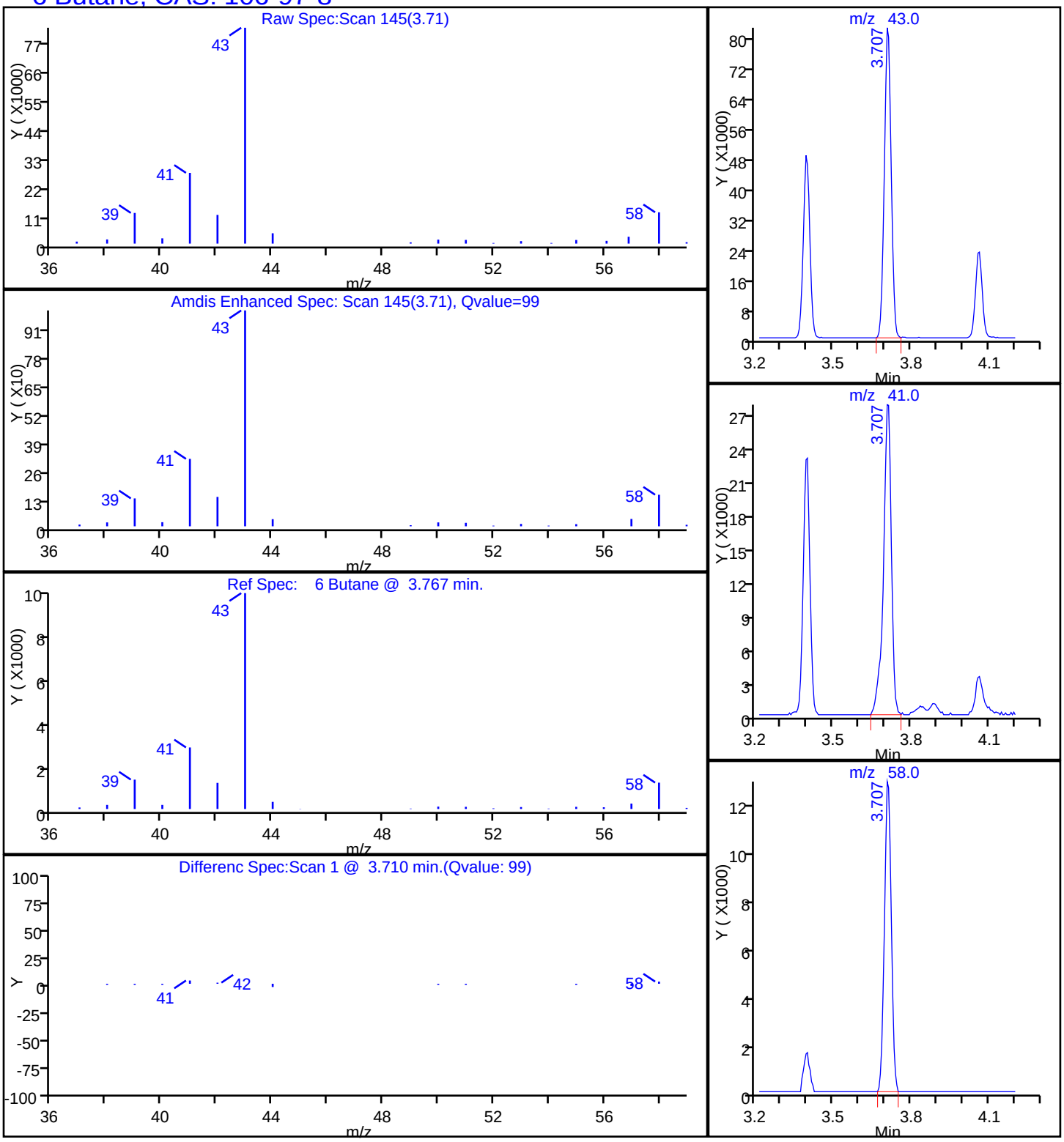




TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHX.i\20150429-13349.b\13349-010.D
Injection Date: 29-Apr-2015 18:27:30 Instrument ID: CHX.i
Lims ID: 200-27725-A-1 Lab Sample ID: 200-27725-1
Client ID: 101VMP0101GA
Operator ID: wrd ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 200.000 mL Dil. Factor: 1.6000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

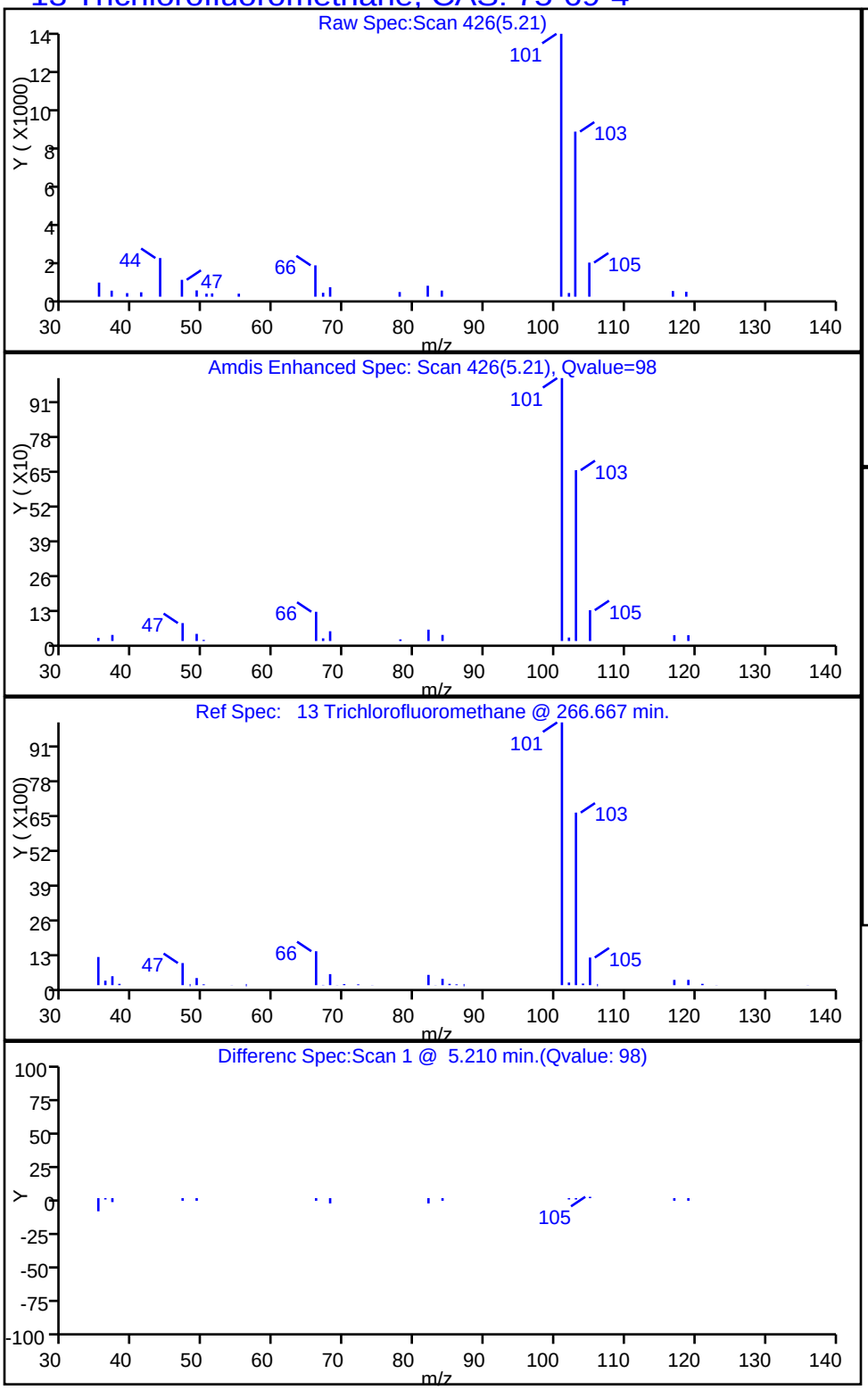
6 Butane, CAS: 106-97-8

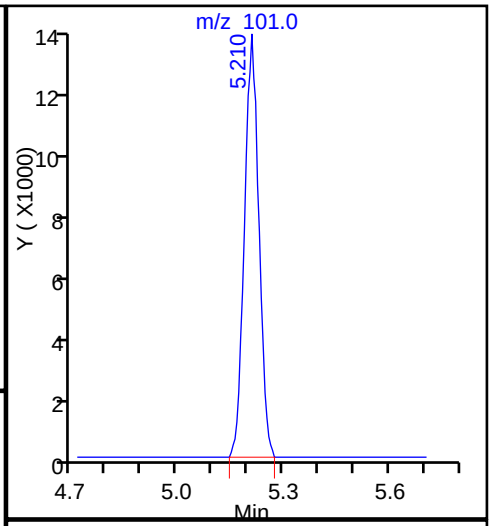


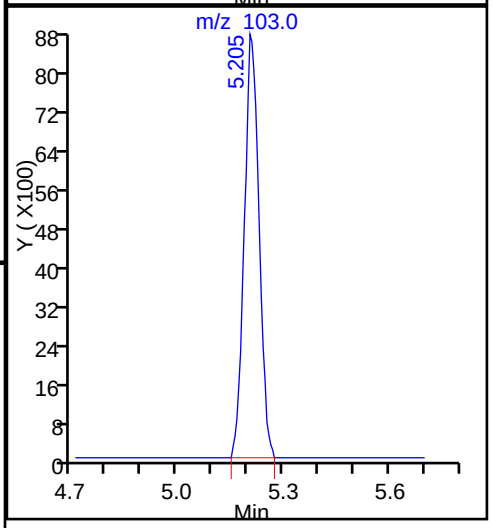
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHX.i\20150429-13349.b\13349-010.D
Injection Date: 29-Apr-2015 18:27:30 Instrument ID: CHX.i
Lims ID: 200-27725-A-1 Lab Sample ID: 200-27725-1
Client ID: 101VMP0101GA
Operator ID: wrd ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 200.000 mL Dil. Factor: 1.6000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

13 Trichlorofluoromethane, CAS: 75-69-4



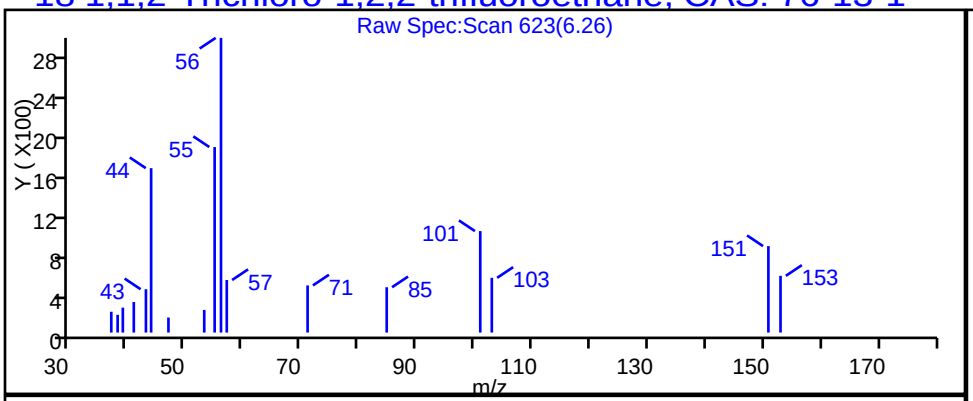


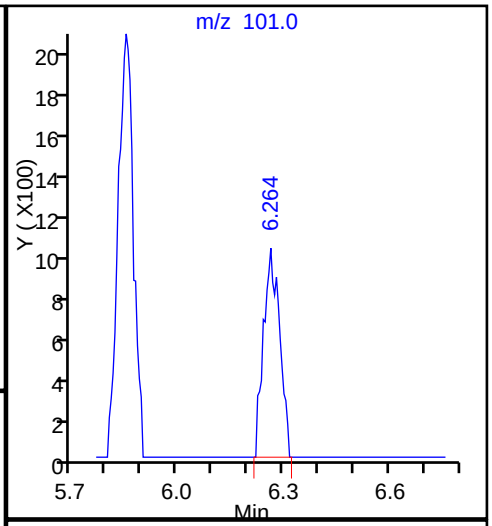


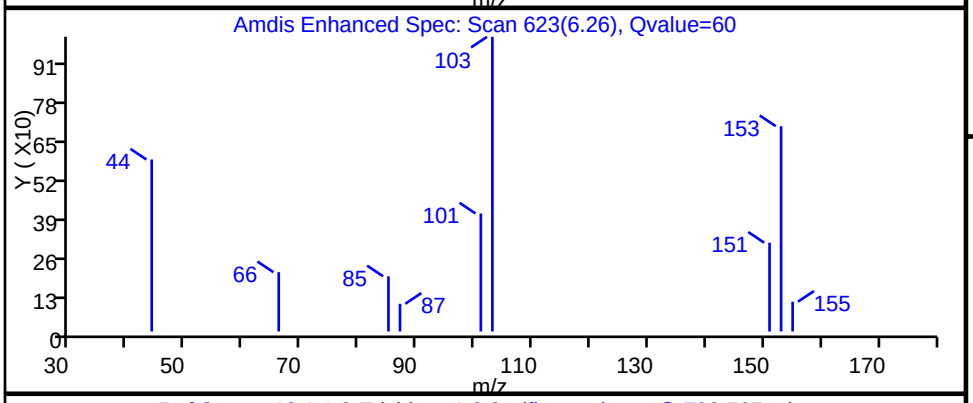
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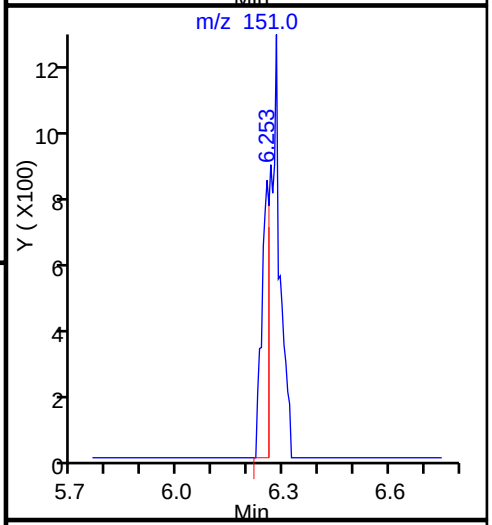
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Injection Date: 29-Apr-2015 18:27:30 Instrument ID: CHX.i
Lims ID: 200-27725-A-1 Lab Sample ID: 200-27725-1
Client ID: 101VMP0101GA
Operator ID: wrd ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 200.000 mL Dil. Factor: 1.6000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

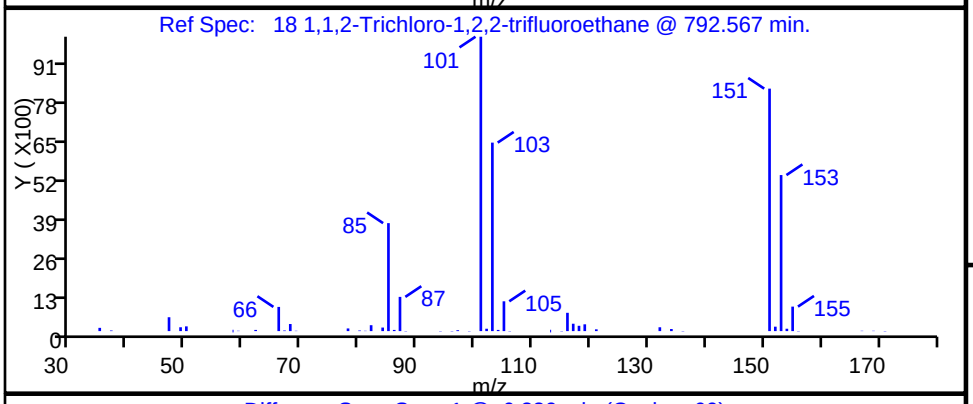
18 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

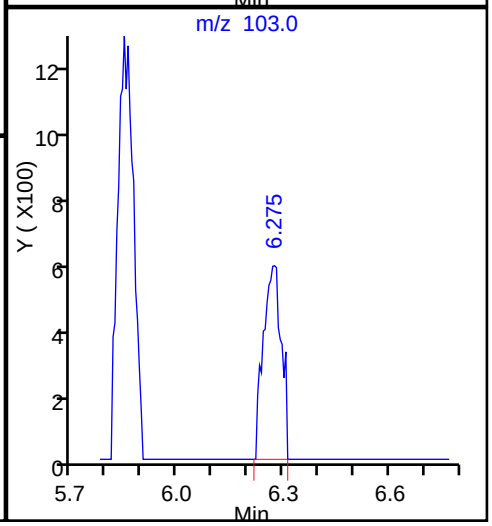


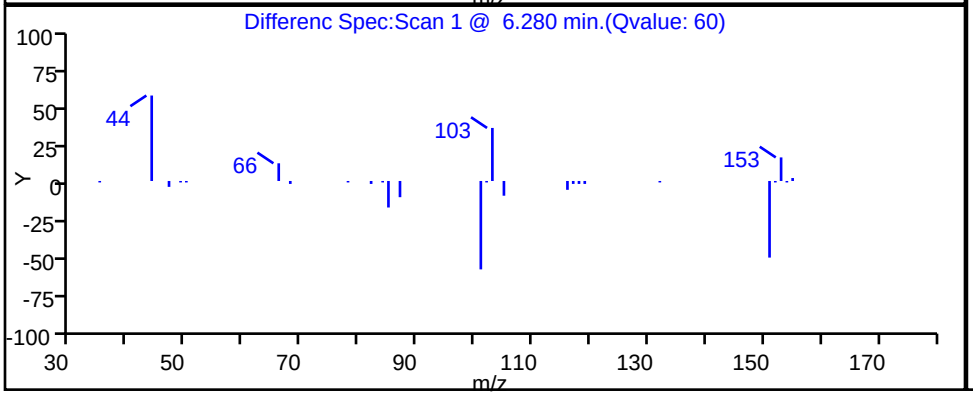






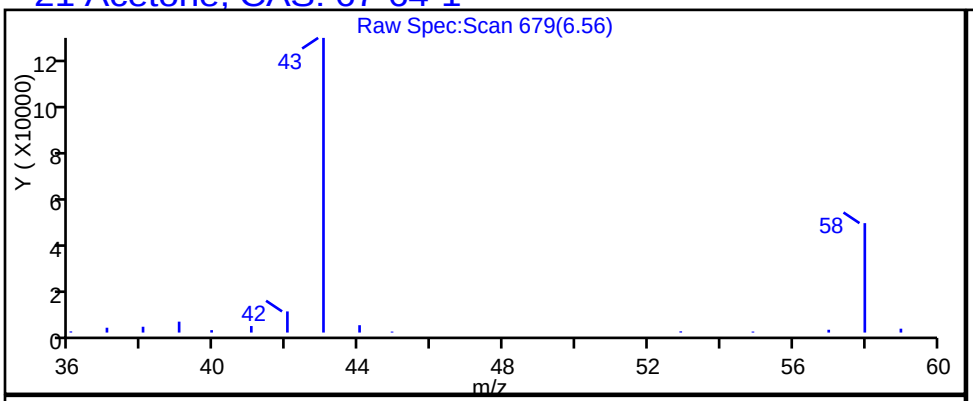


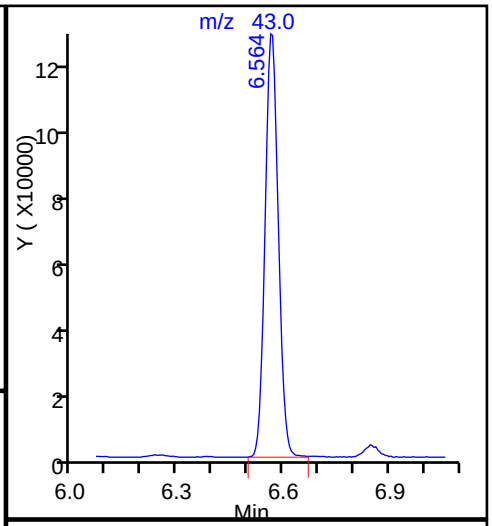


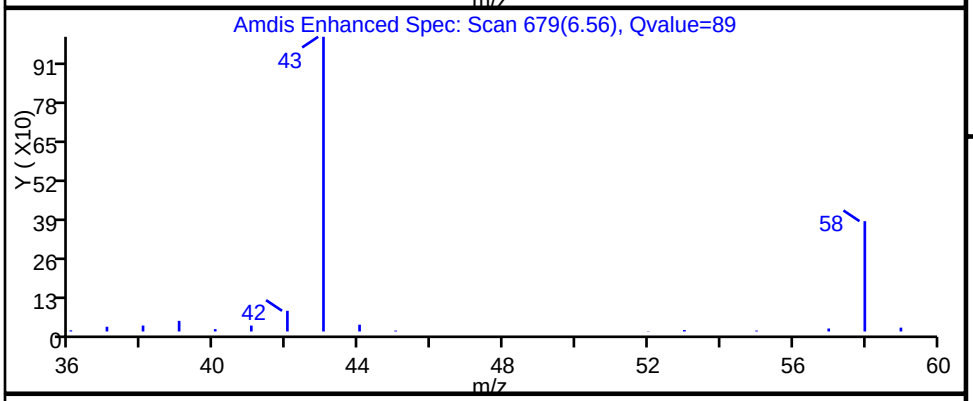


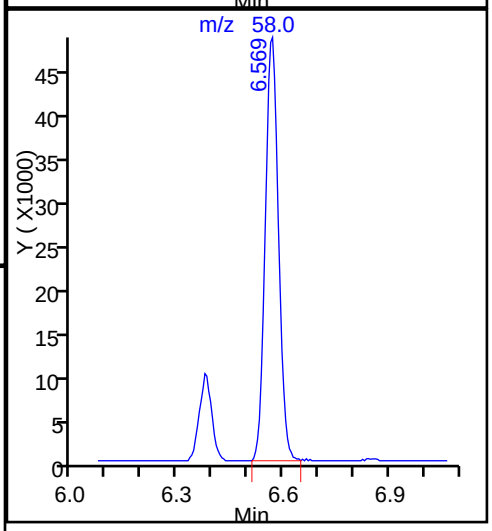
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Injection Date: 29-Apr-2015 18:27:30 Instrument ID: CHX.i
Lims ID: 200-27725-A-1 Lab Sample ID: 200-27725-1
Client ID: 101VMP0101GA
Operator ID: wrd ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 200.000 mL Dil. Factor: 1.6000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

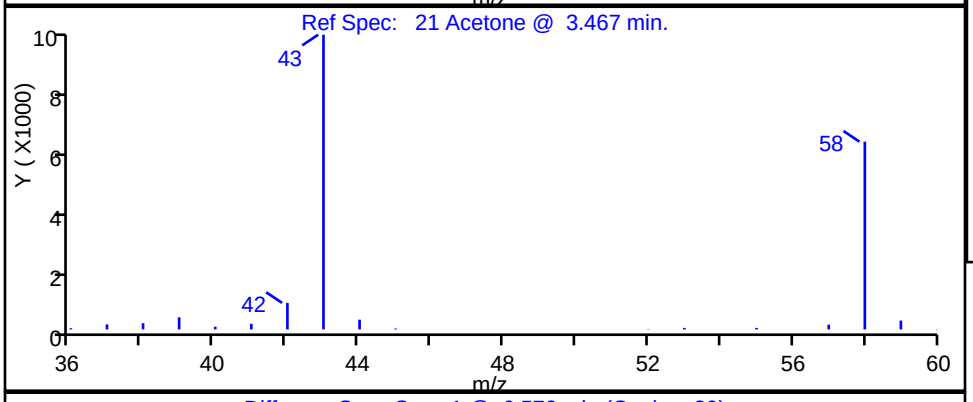
21 Acetone, CAS: 67-64-1

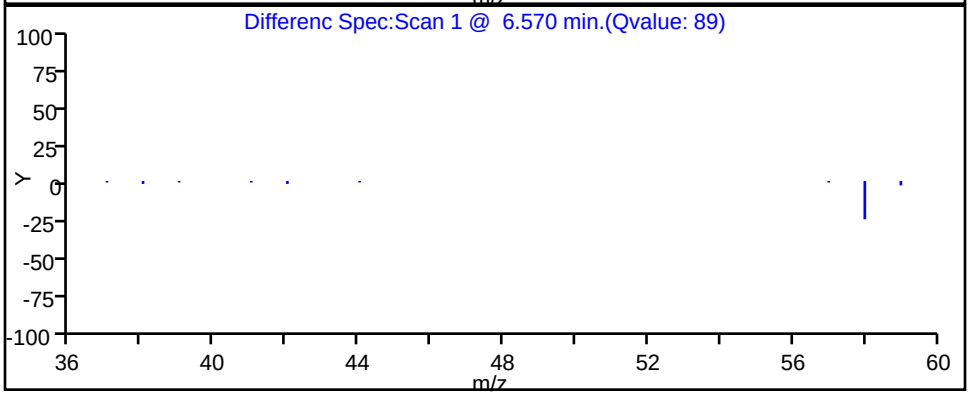






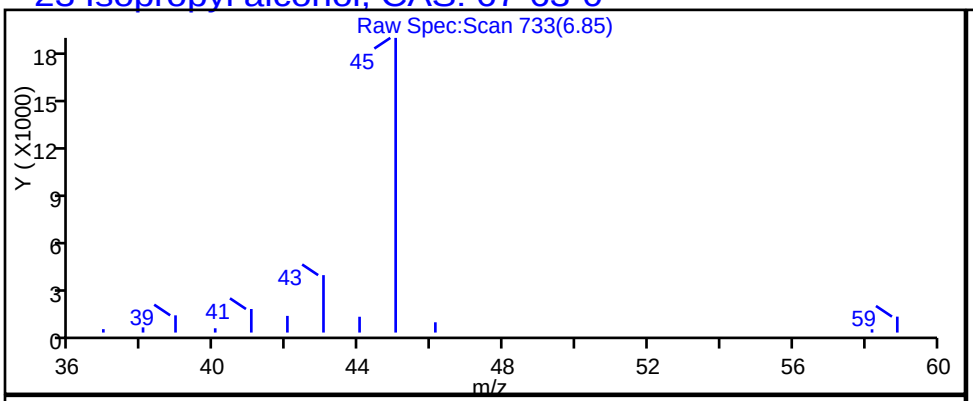


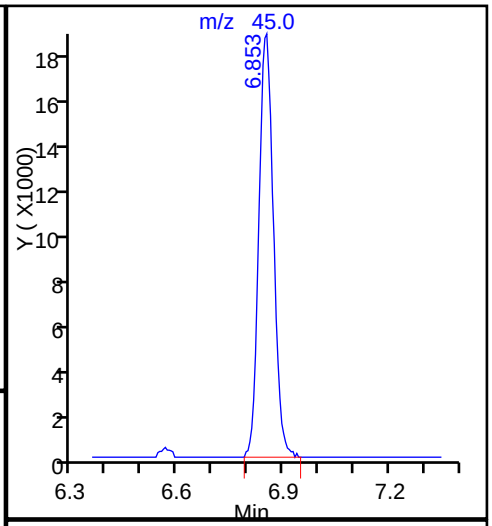


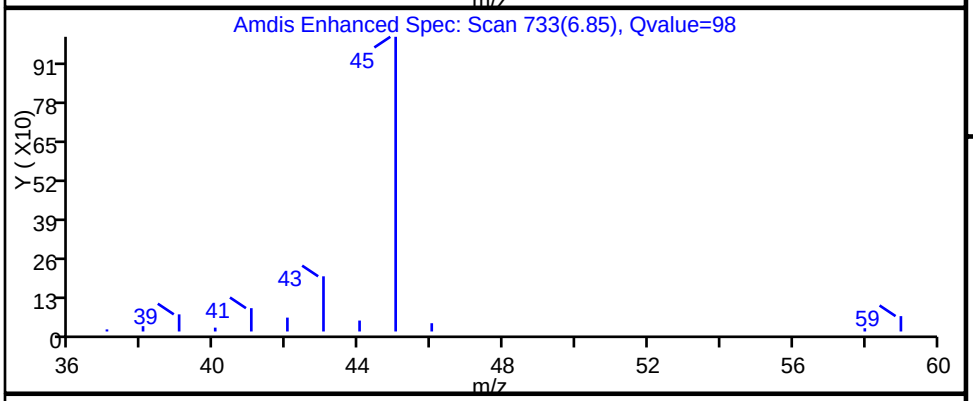


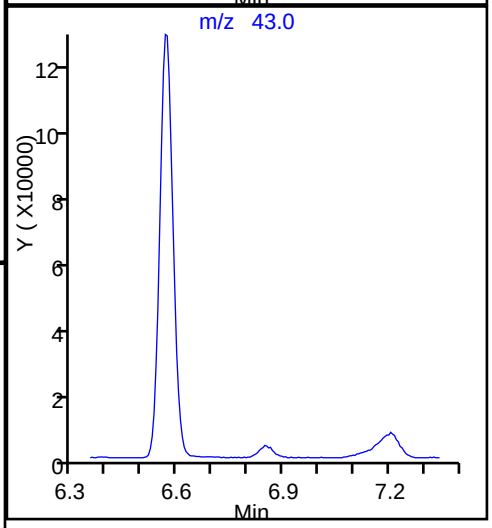
Data File: \\BTV-LIMS1\ChromData\CHX.i\20150429-13349.b\13349-010.D
Injection Date: 29-Apr-2015 18:27:30 Instrument ID: CHX.i
Lims ID: 200-27725-A-1 Lab Sample ID: 200-27725-1
Client ID: 101VMP0101GA
Operator ID: wrd ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 200.000 mL Dil. Factor: 1.6000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

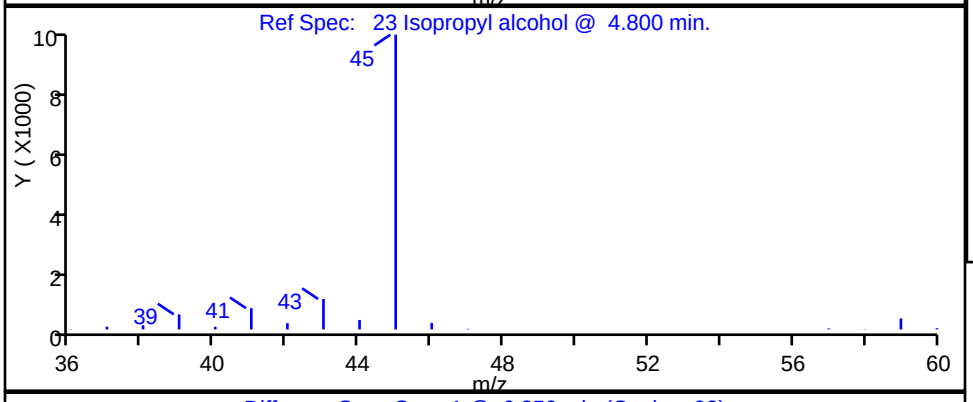
23 Isopropyl alcohol, CAS: 67-63-0

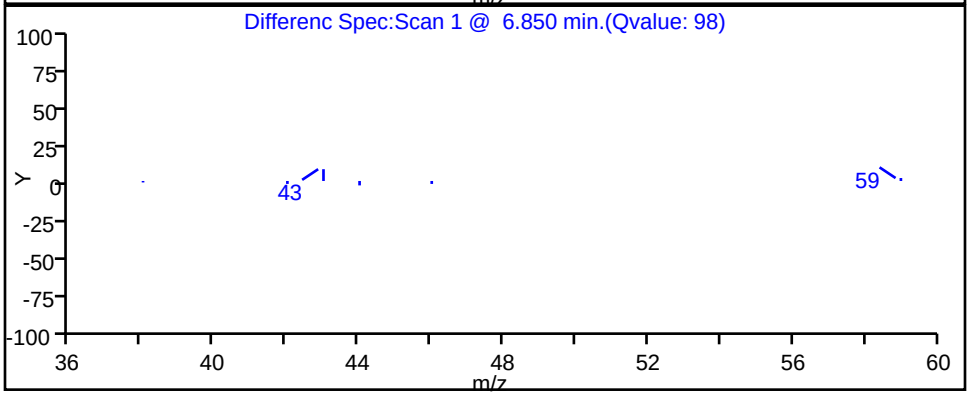








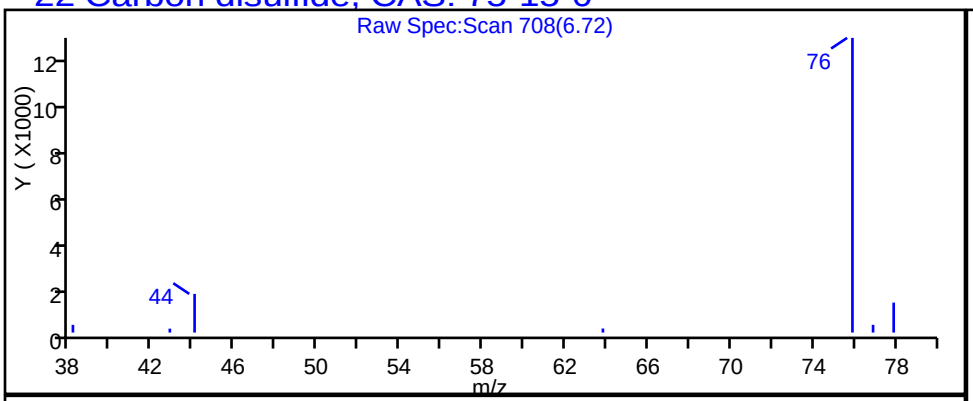


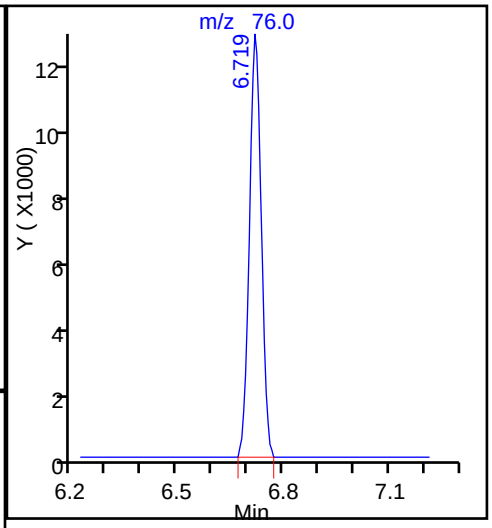


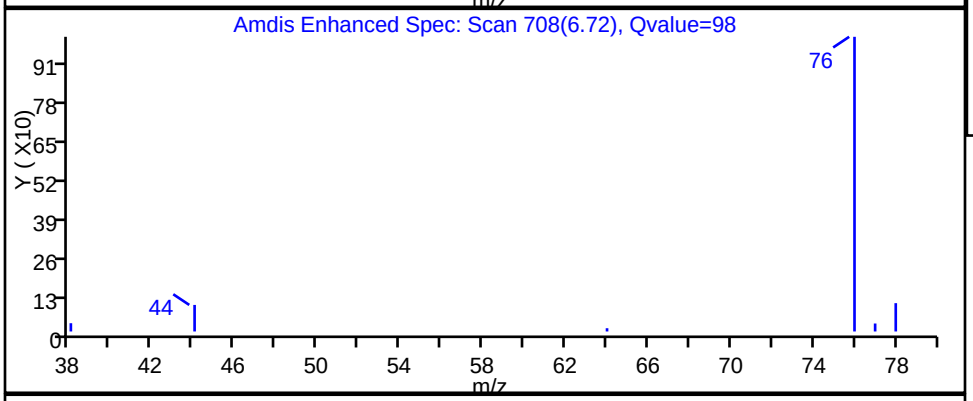
TestAmerica Burlington

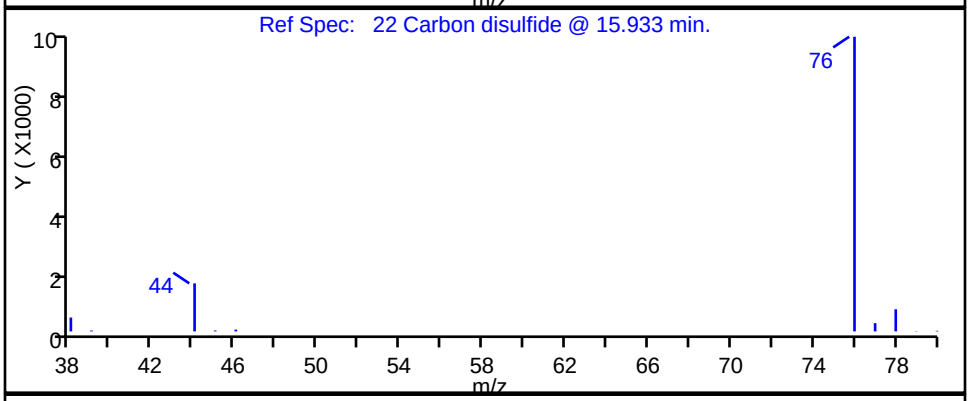
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Injection Date:	29-Apr-2015 18:27:30	Instrument ID:	CHX.i		
Lims ID:	200-27725-A-1	Lab Sample ID:	200-27725-1		
Client ID:	101VMP0101GA				
Operator ID:	wrd	ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	1.6000		
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

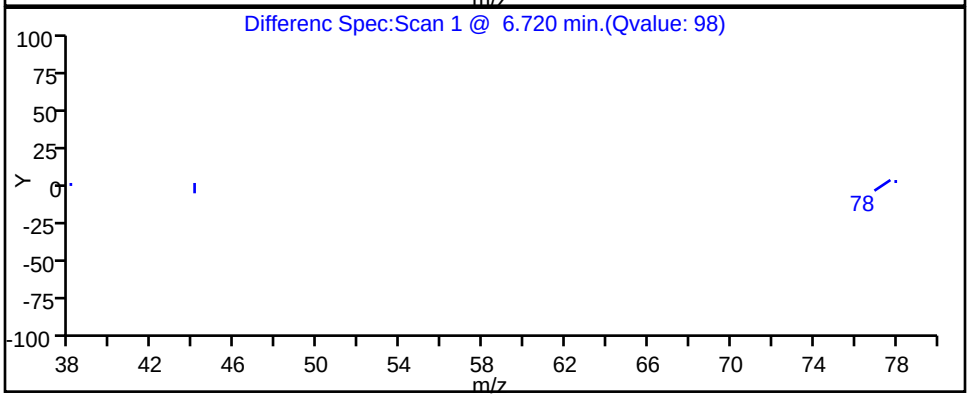
22 Carbon disulfide, CAS: 75-15-0







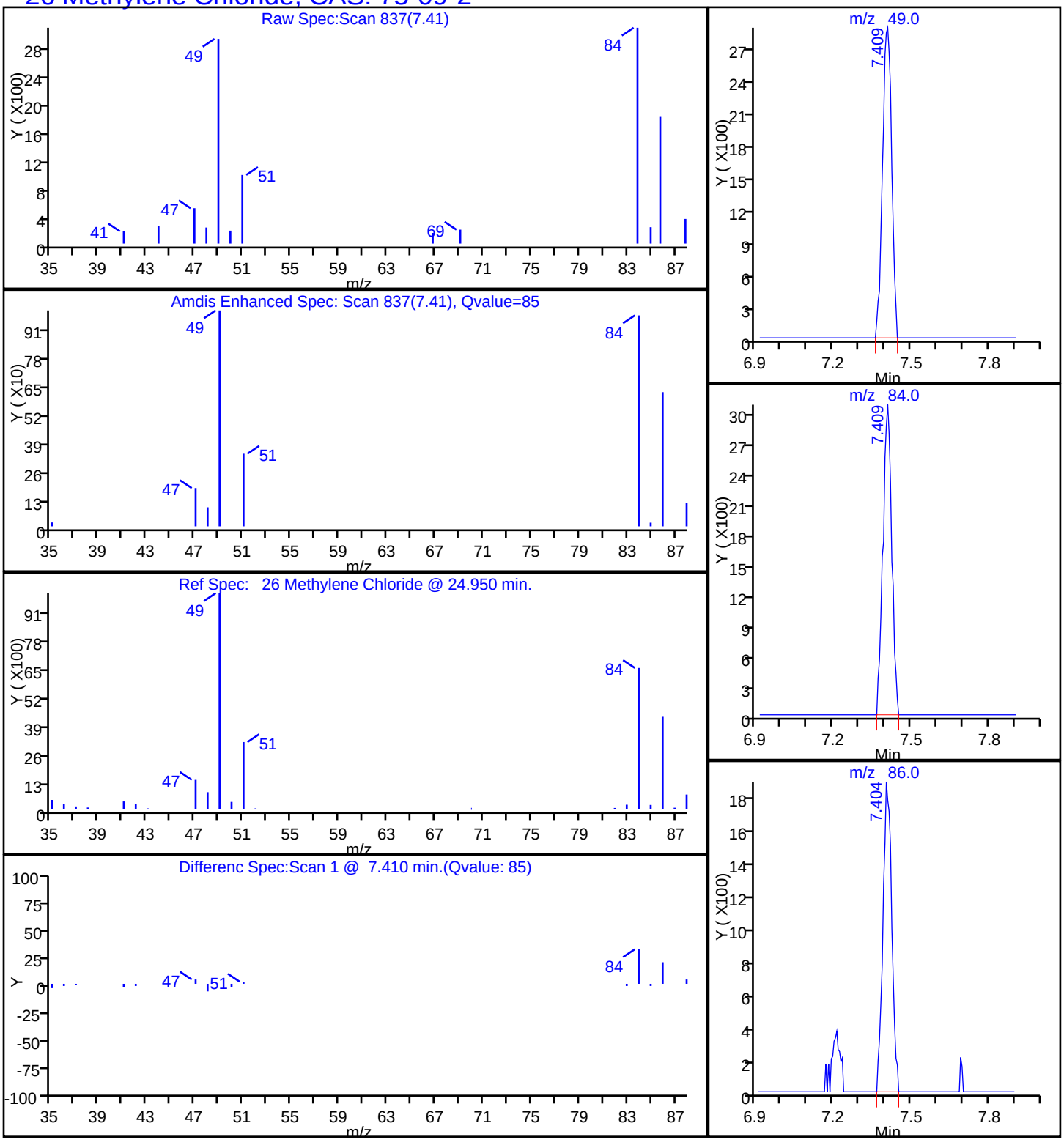




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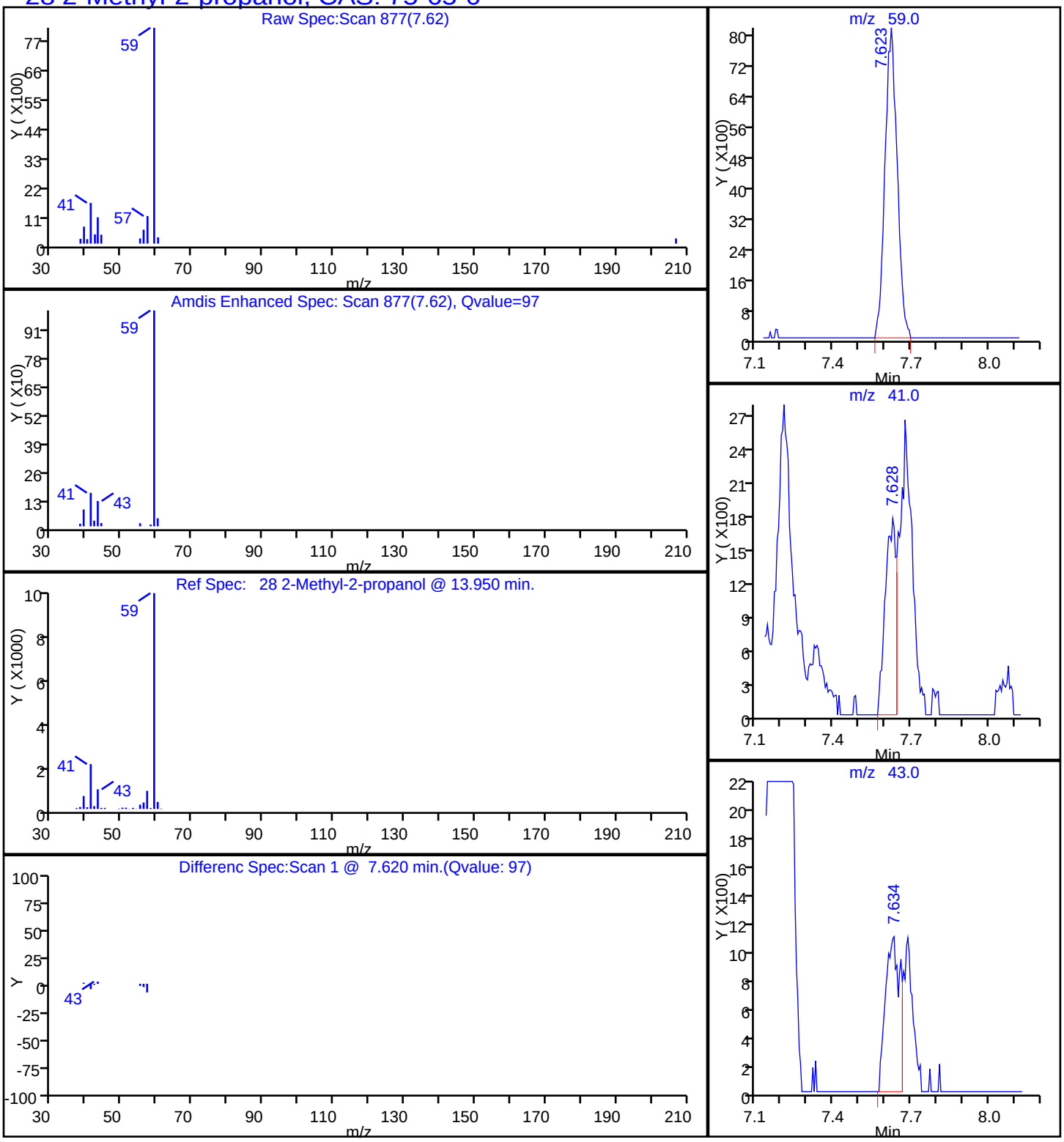
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Injection Date: 29-Apr-2015 18:27:30 Instrument ID: CHX.i
Lims ID: 200-27725-A-1 Lab Sample ID: 200-27725-1
Client ID: 101VMP0101GA
Operator ID: wrd ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 200.000 mL Dil. Factor: 1.6000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

26 Methylene Chloride, CAS: 75-09-2



Data File: \\BTV-LIMS1\ChromData\CHX.i\20150429-13349.b\13349-010.D
Injection Date: 29-Apr-2015 18:27:30 Instrument ID: CHX.i
Lims ID: 200-27725-A-1 Lab Sample ID: 200-27725-1
Client ID: 101VMP0101GA
Operator ID: wrd ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 200.000 mL Dil. Factor: 1.6000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

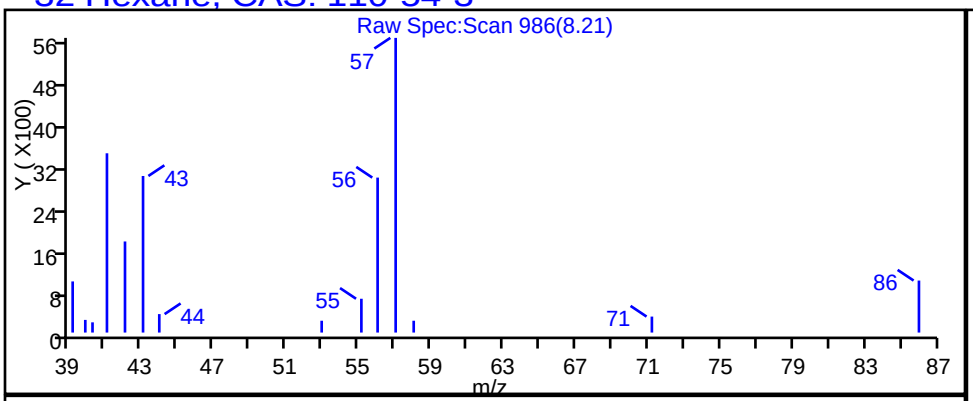
28 2-Methyl-2-propanol, CAS: 75-65-0

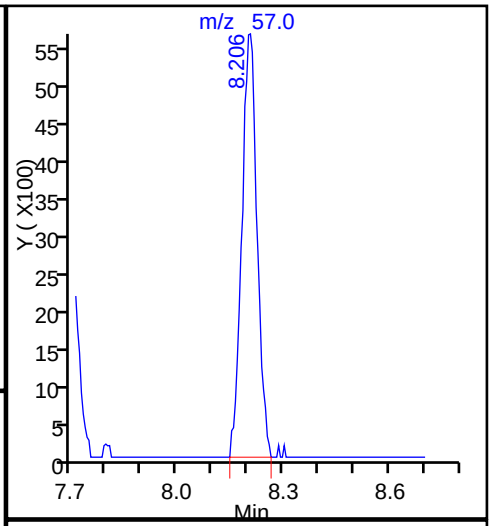


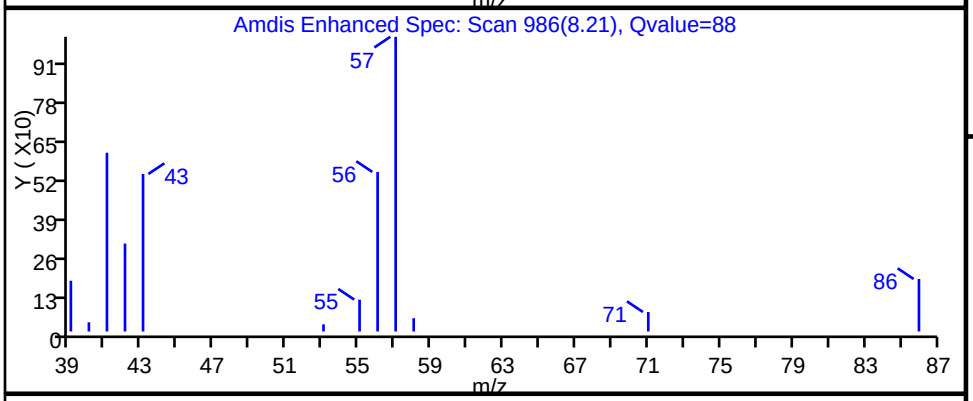
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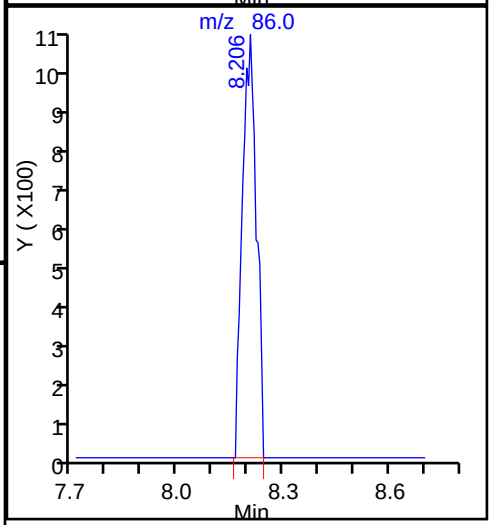
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Injection Date: 29-Apr-2015 18:27:30 Instrument ID: CHX.i
Lims ID: 200-27725-A-1 Lab Sample ID: 200-27725-1
Client ID: 101VMP0101GA
Operator ID: wrd ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 200.000 mL Dil. Factor: 1.6000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

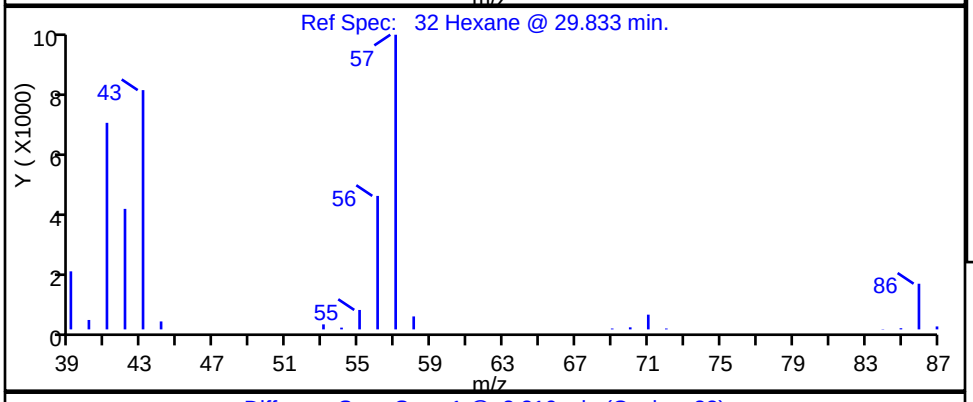
32 Hexane, CAS: 110-54-3

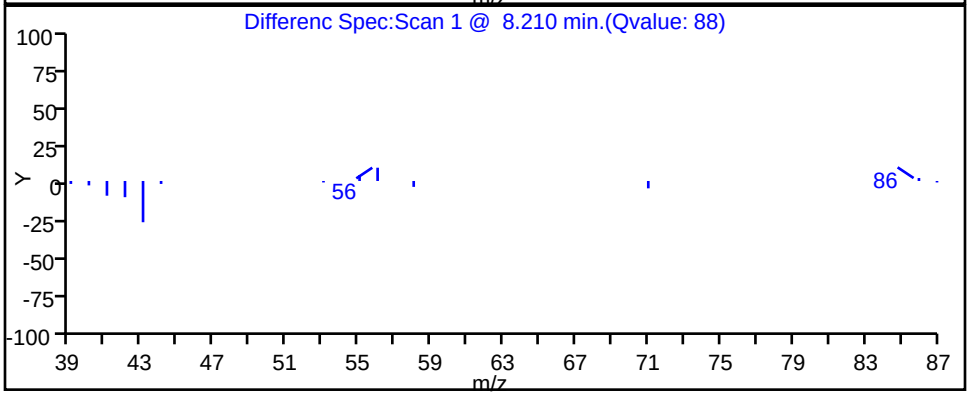








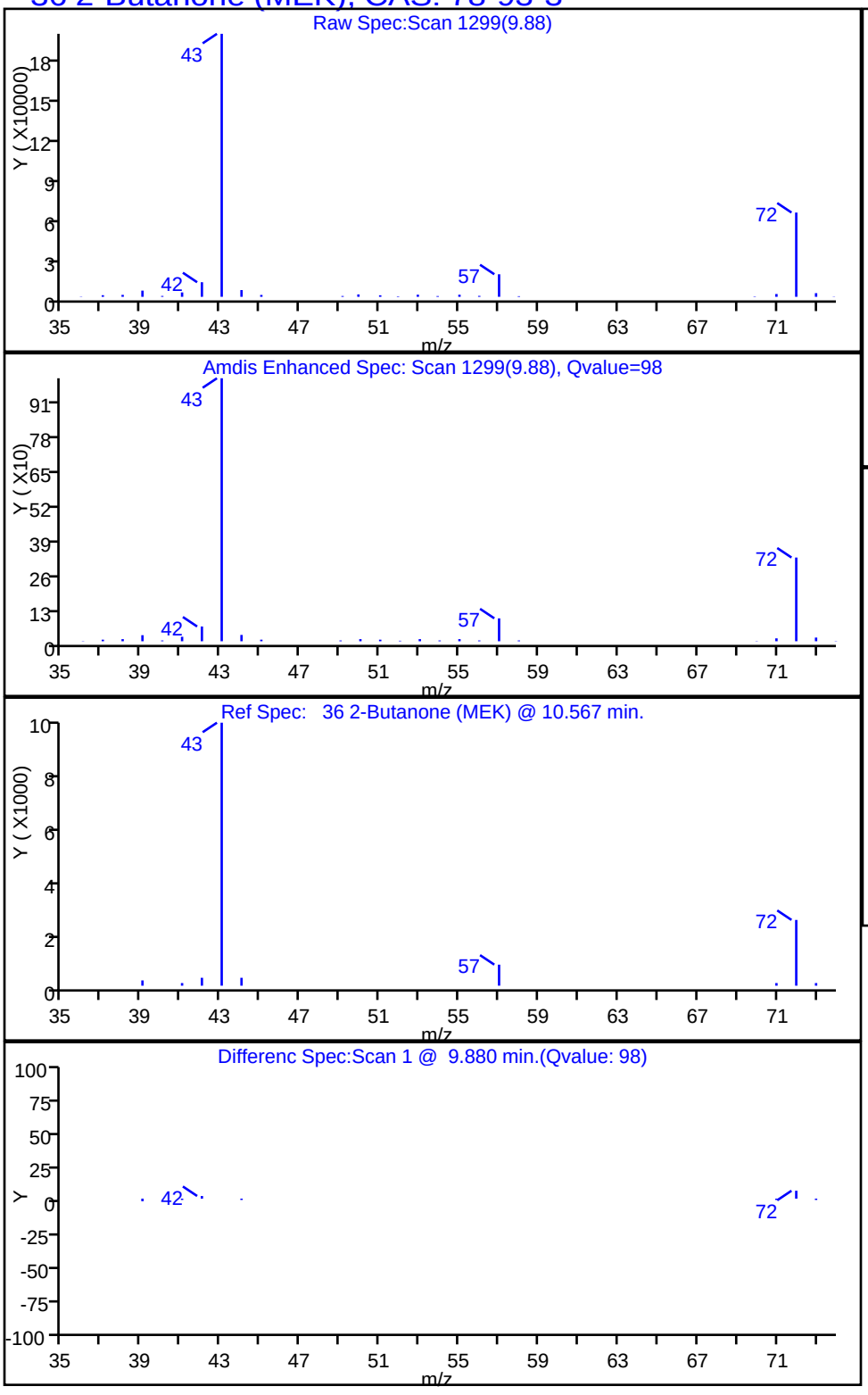


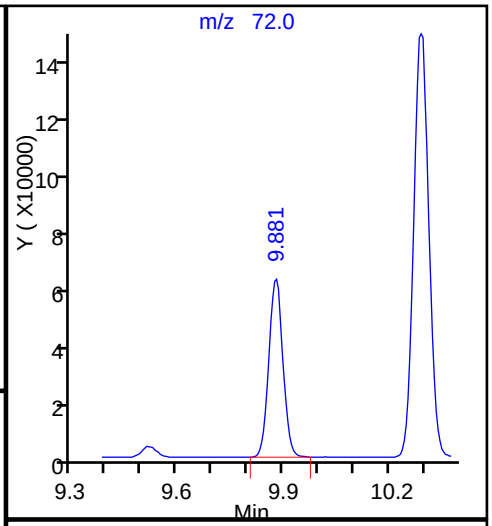


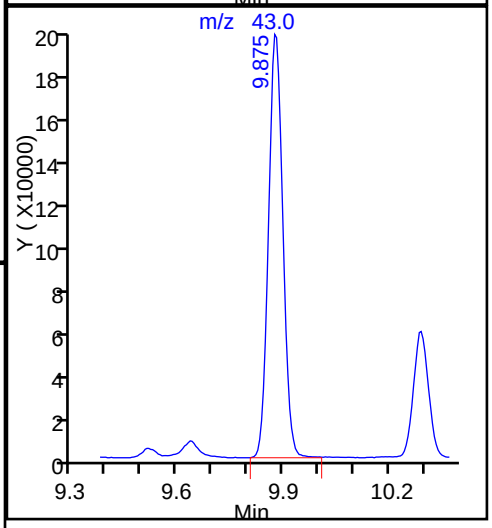
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Data File: \\BTV-LIMS1\ChromData\CHX.i\20150429-13349.b\13349-010.D
Injection Date: 29-Apr-2015 18:27:30 Instrument ID: CHX.i
Lims ID: 200-27725-A-1 Lab Sample ID: 200-27725-1
Client ID: 101VMP0101GA
Operator ID: wrd ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 200.000 mL Dil. Factor: 1.6000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

36 2-Butanone (MEK), CAS: 78-93-3



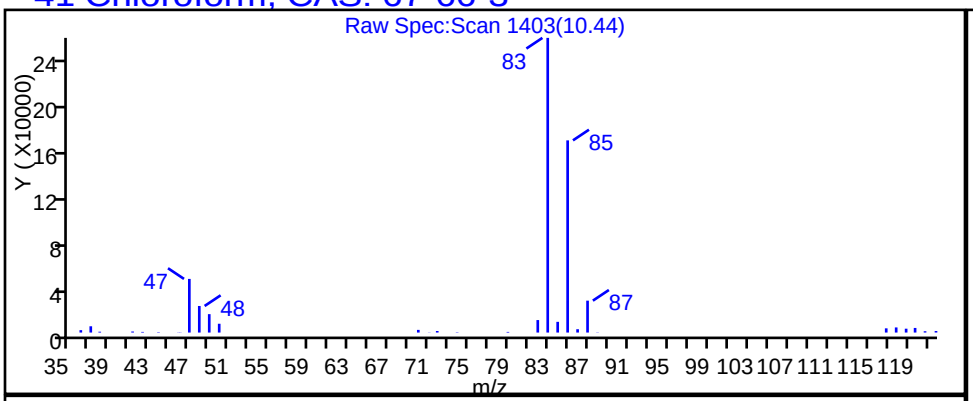


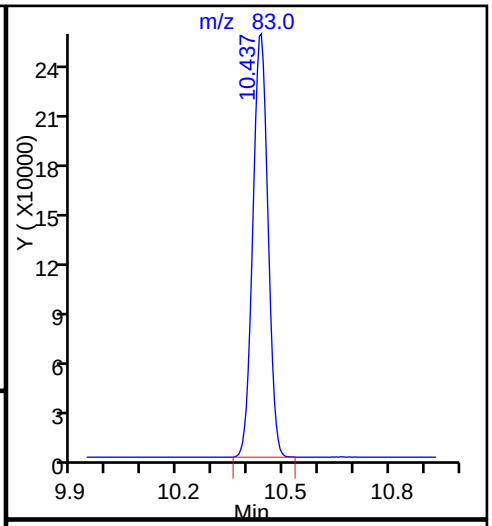


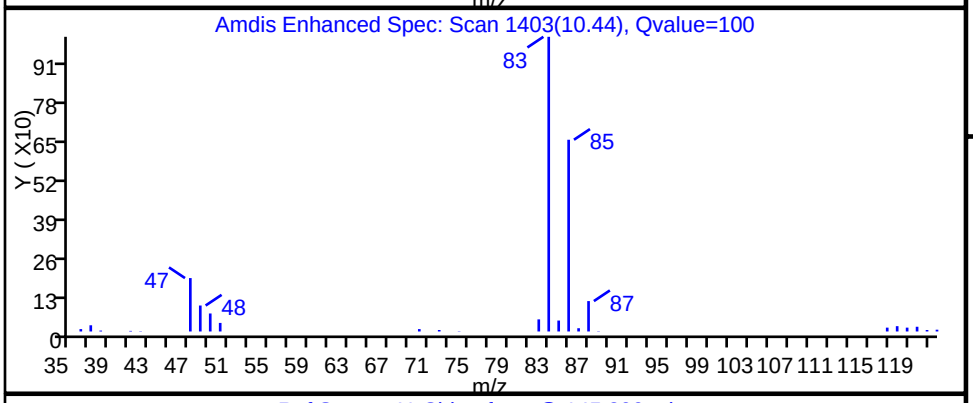
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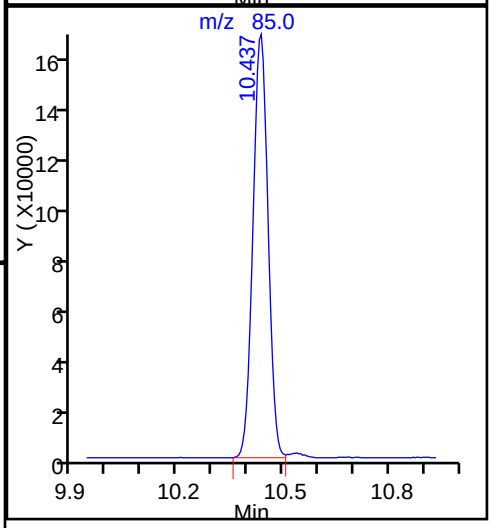
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Injection Date: 29-Apr-2015 18:27:30 Instrument ID: CHX.i
Lims ID: 200-27725-A-1 Lab Sample ID: 200-27725-1
Client ID: 101VMP0101GA
Operator ID: wrd ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 200.000 mL Dil. Factor: 1.6000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

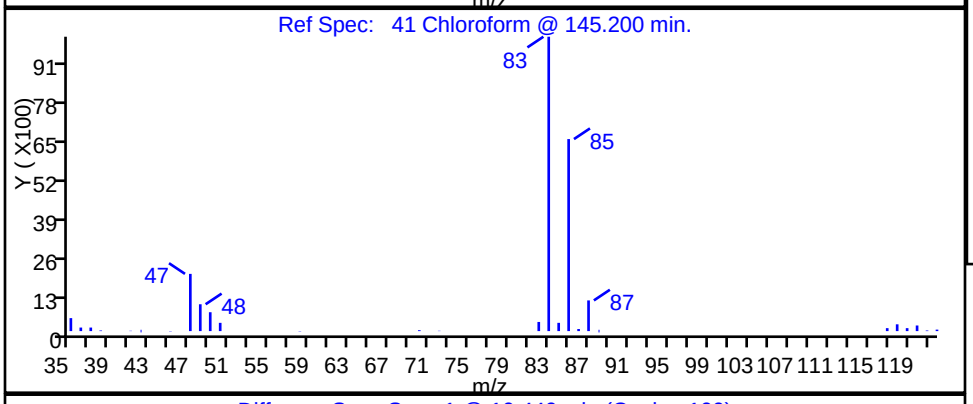
41 Chloroform, CAS: 67-66-3

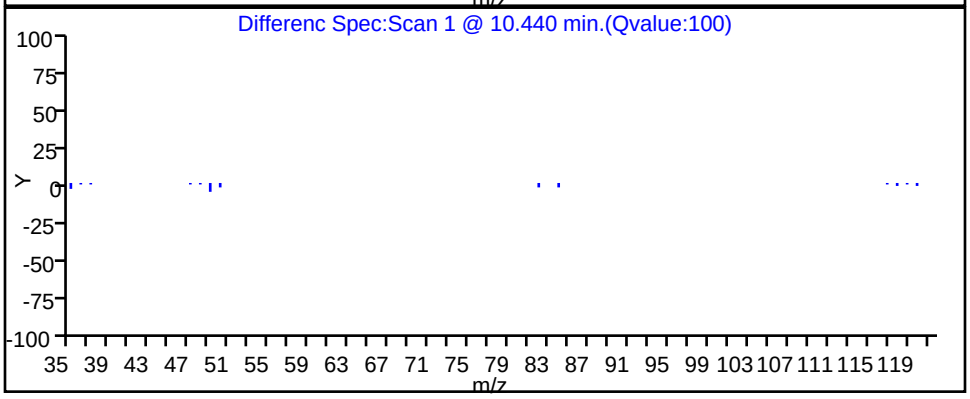










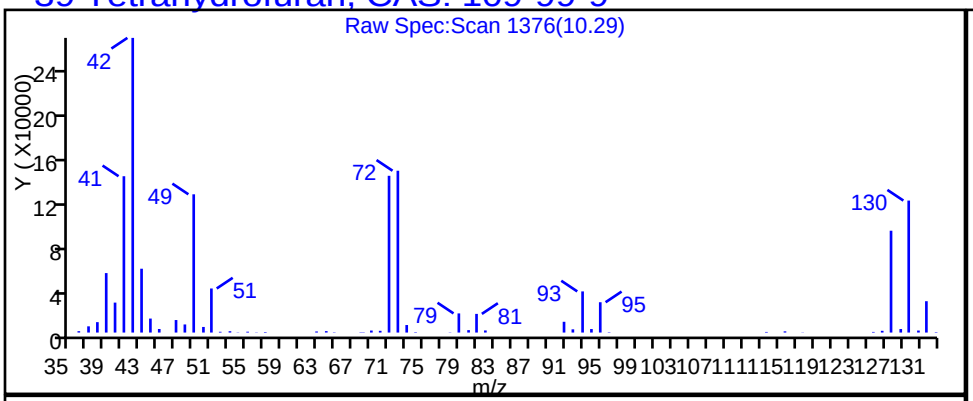


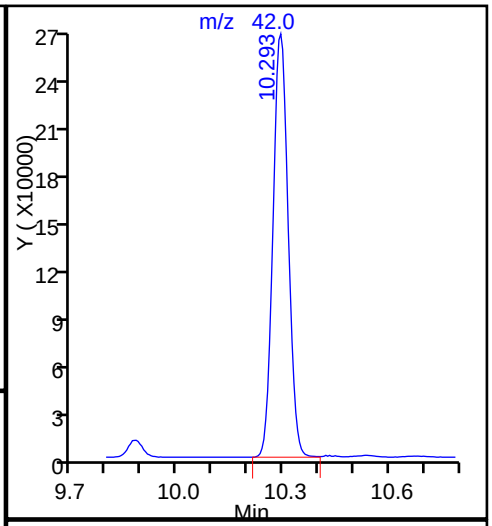
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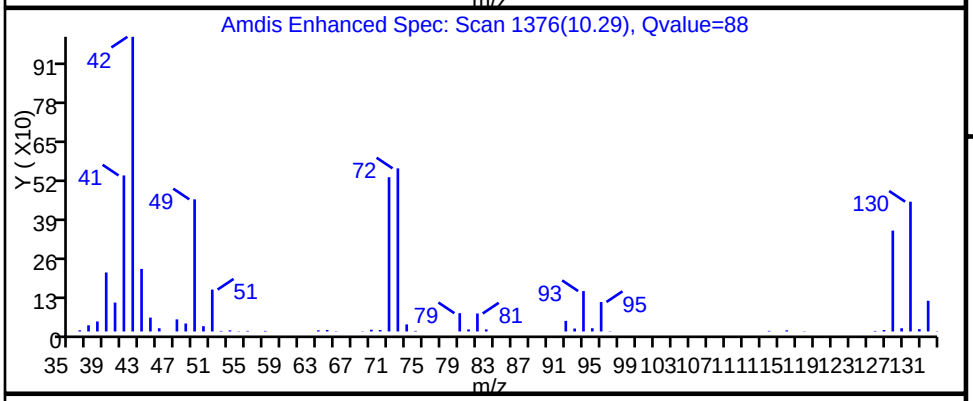
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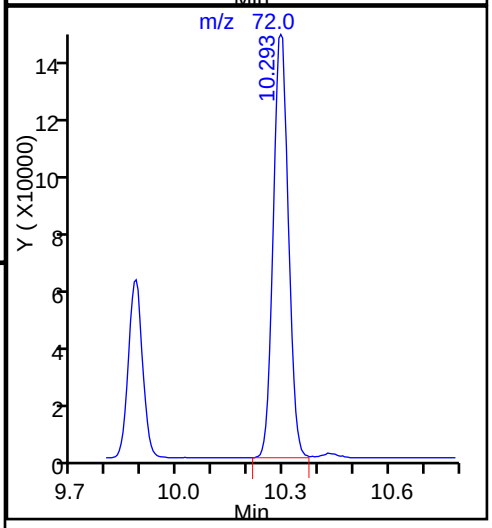
Injection Date:	29-Apr-2015 18:27:30	Instrument ID:	CHX.i		
Lims ID:	200-27725-A-1	Lab Sample ID:	200-27725-1		
Client ID:	101VMP0101GA				
Operator ID:	wrd	ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	1.6000		
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

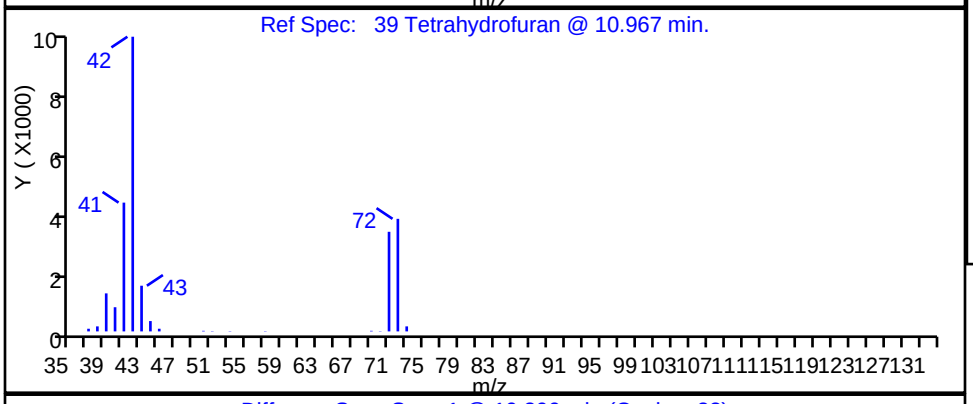
39 Tetrahydrofuran, CAS: 109-99-9

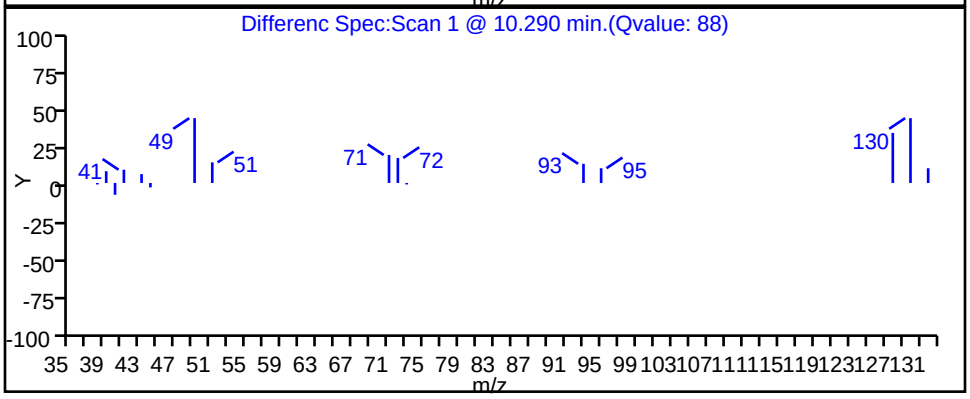








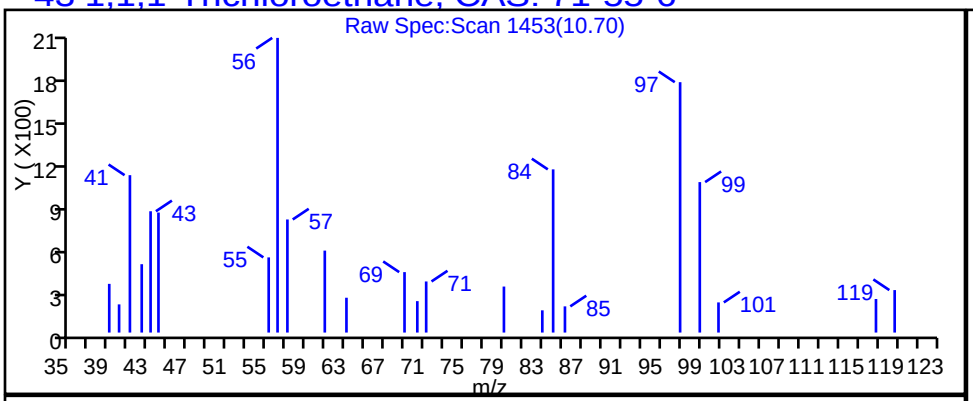


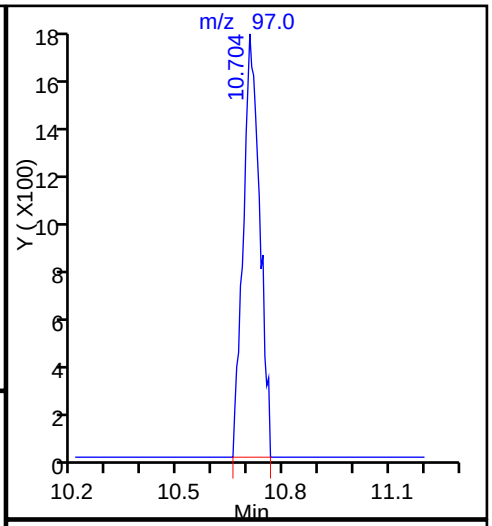


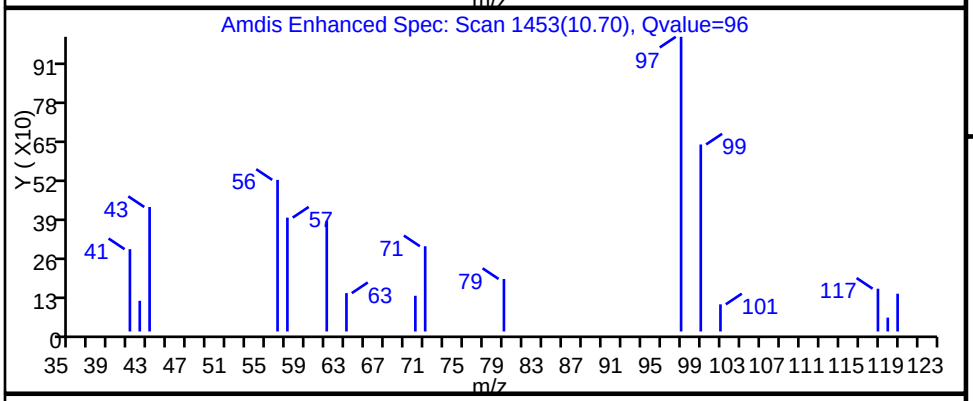
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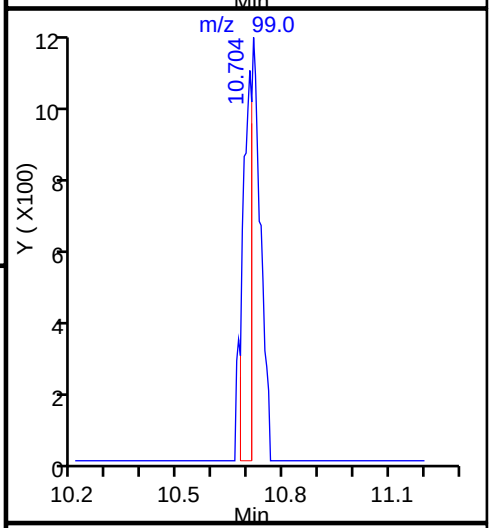
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Operator ID: wrd ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 200.000 mL Dil. Factor: 1.6000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

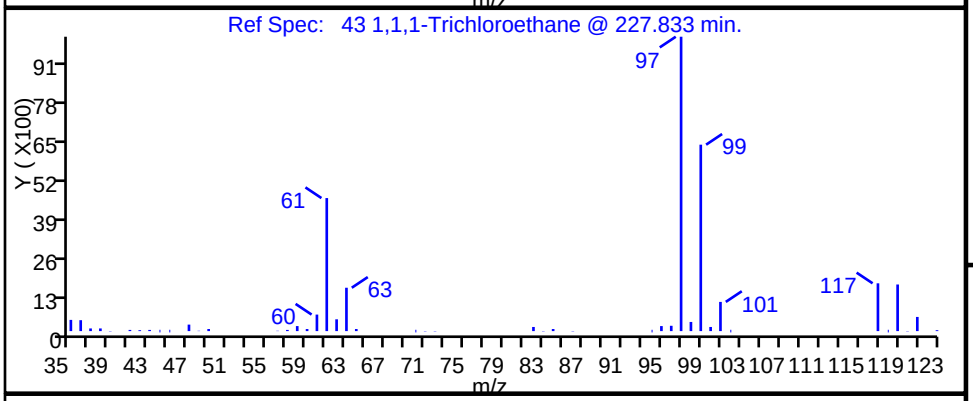
43 1,1,1-Trichloroethane, CAS: 71-55-6

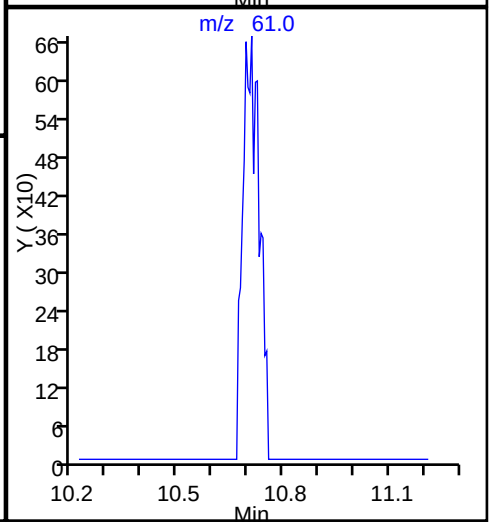


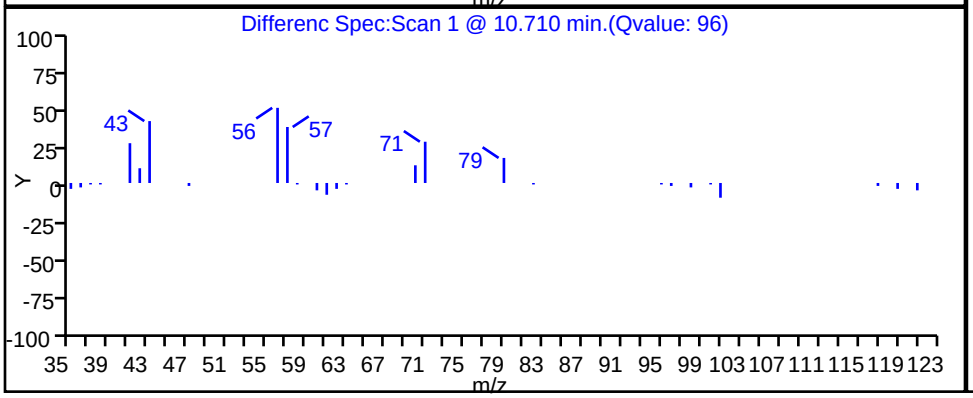








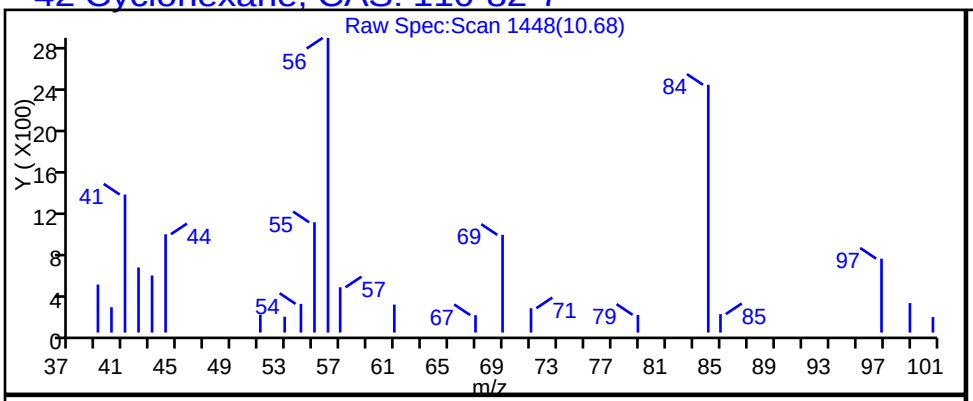


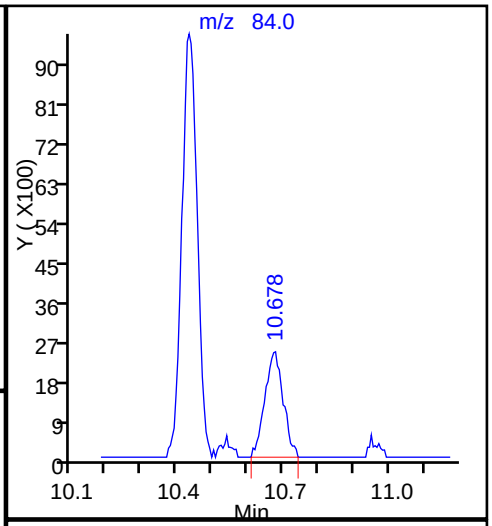


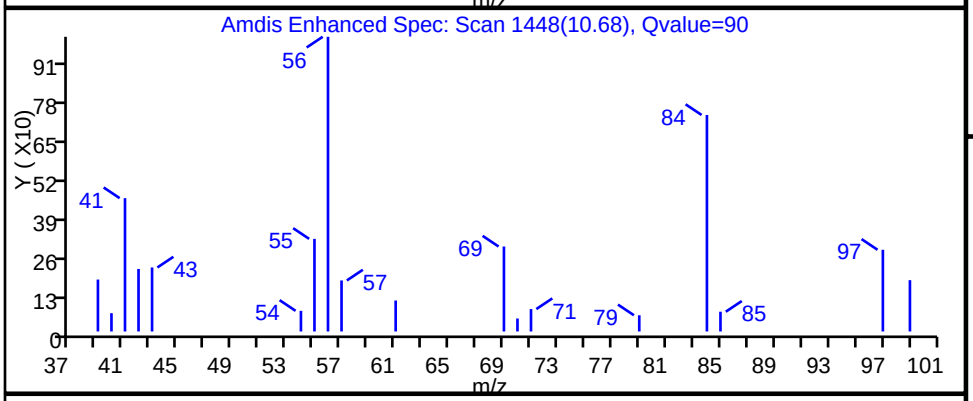
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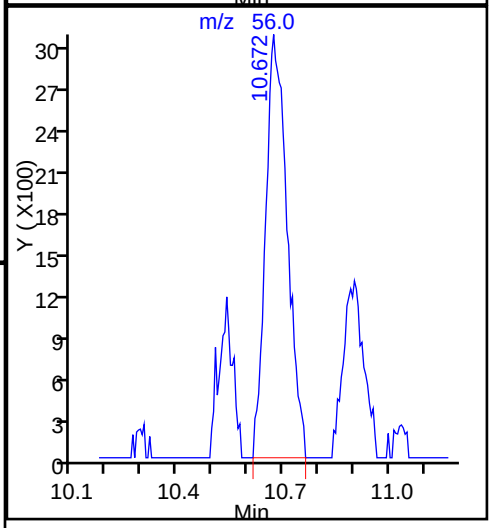
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Injection Date: 29-Apr-2015 18:27:30 Instrument ID: CHX.i
Lims ID: 200-27725-A-1 Lab Sample ID: 200-27725-1
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Operator ID: wrd ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 200.000 mL Dil. Factor: 1.6000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

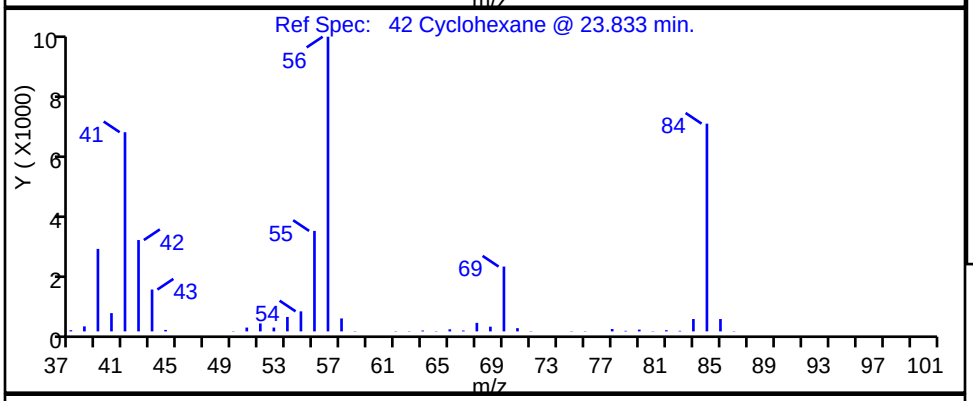
42 Cyclohexane, CAS: 110-82-7

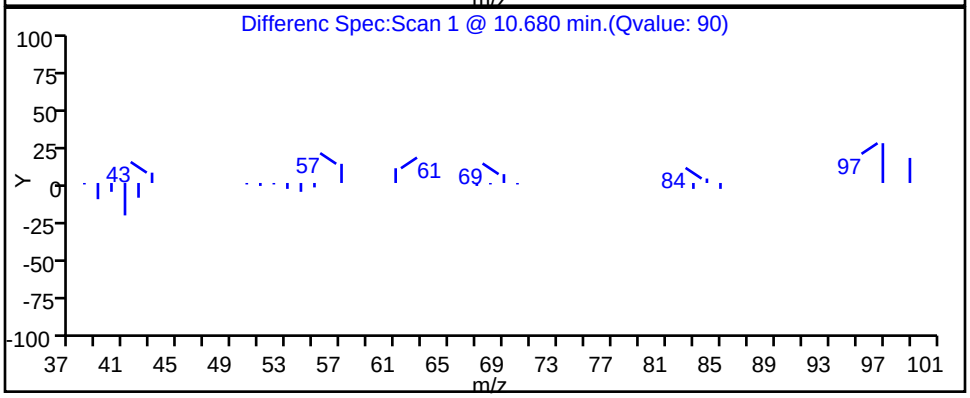






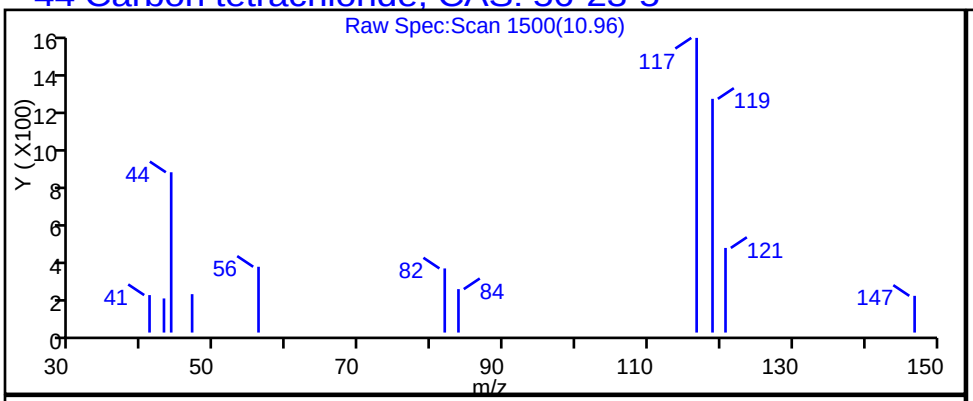


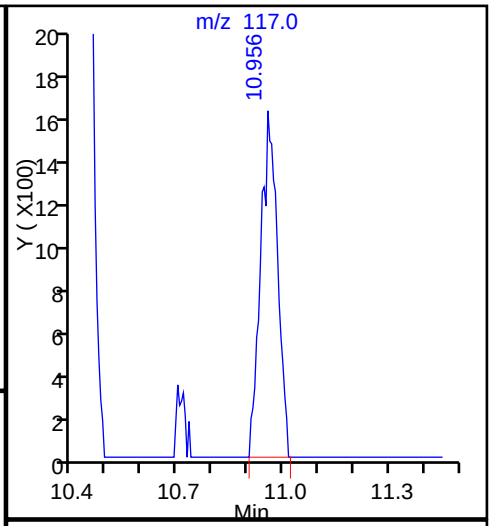


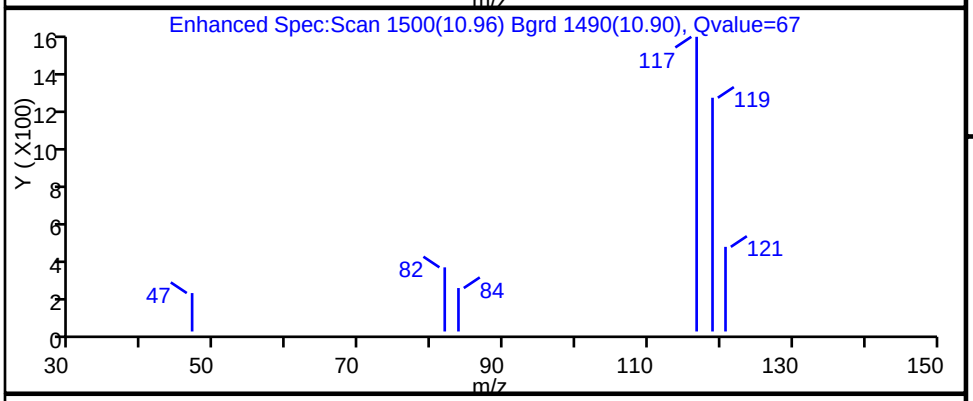


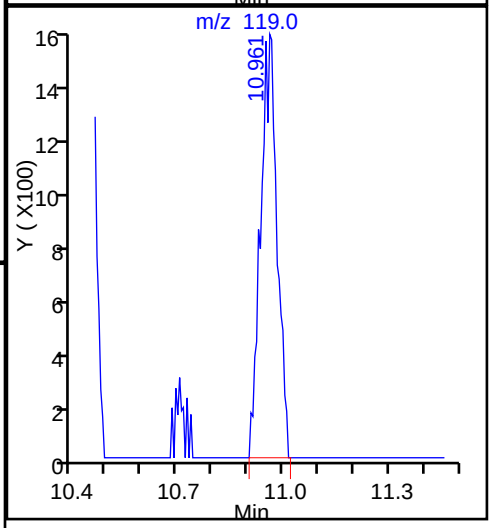
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Purge Vol: 200.000 mL Dil. Factor: 1.6000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

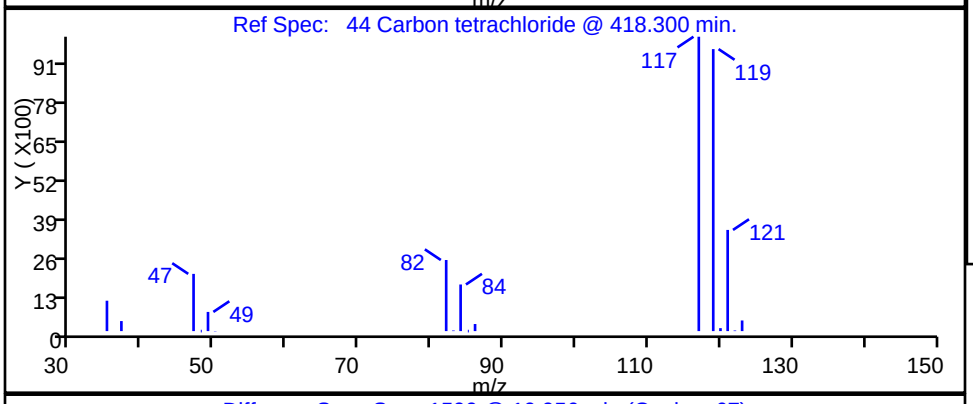
44 Carbon tetrachloride, CAS: 56-23-5

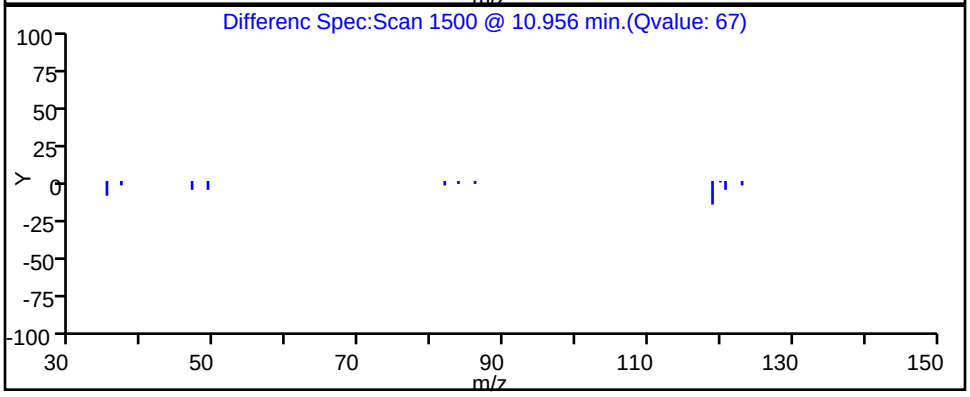






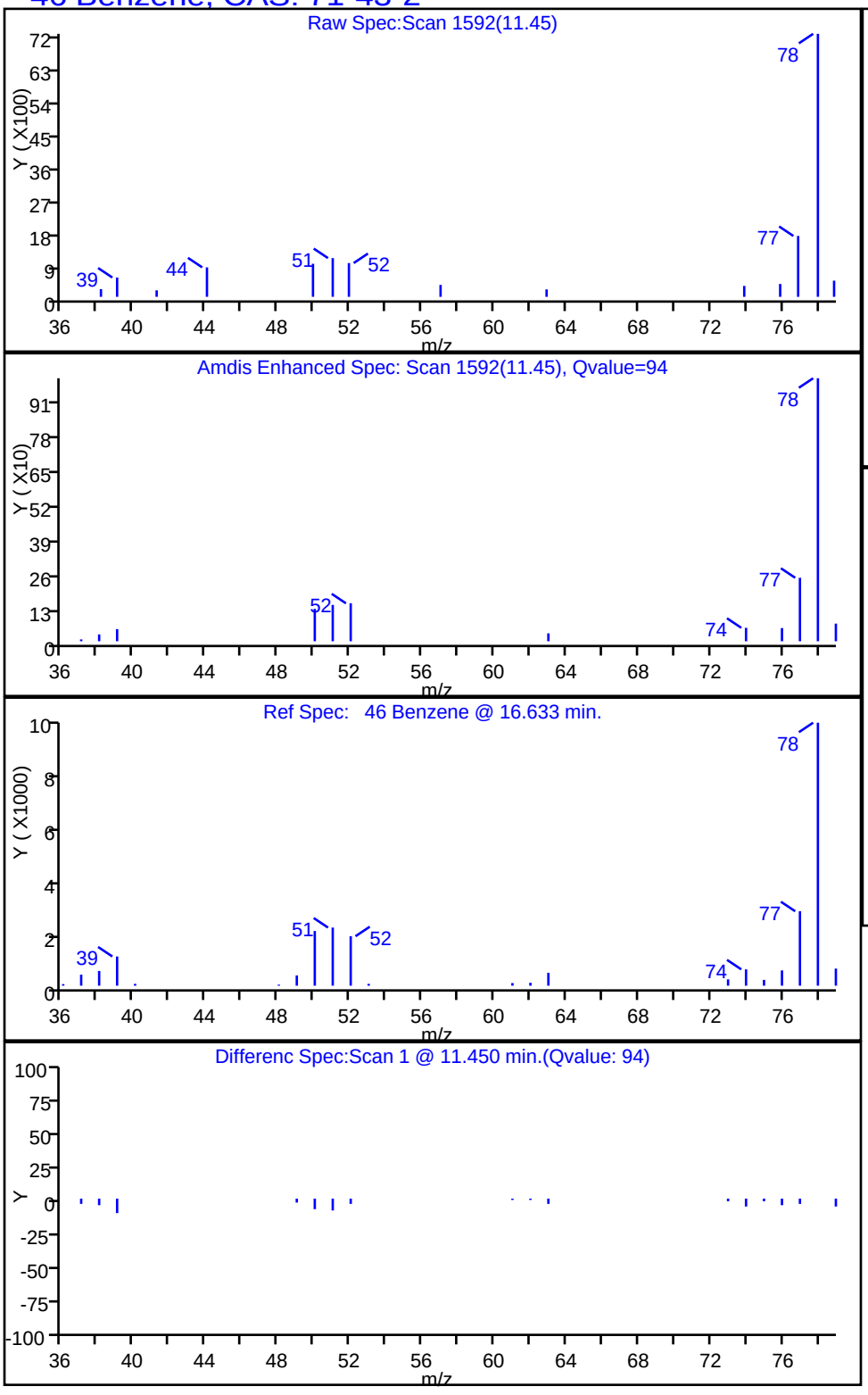


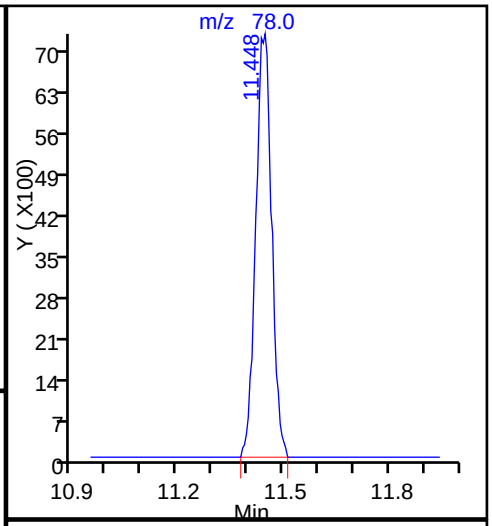


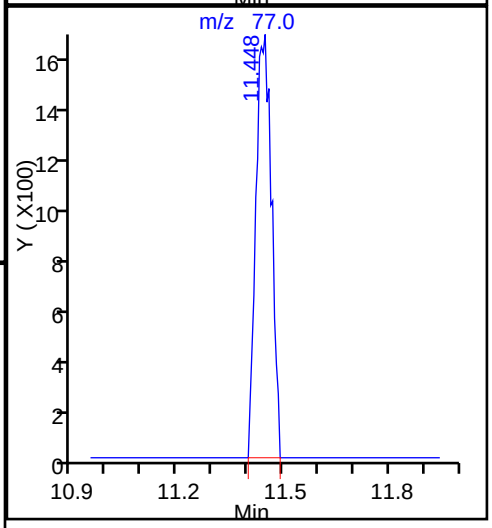


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Injection Date: 29-Apr-2015 18:27:30 Instrument ID: CHX.i
Lims ID: 200-27725-A-1 Lab Sample ID: 200-27725-1
Client ID: 101VMP0101GA
Operator ID: wrd ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 200.000 mL Dil. Factor: 1.6000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

46 Benzene, CAS: 71-43-2

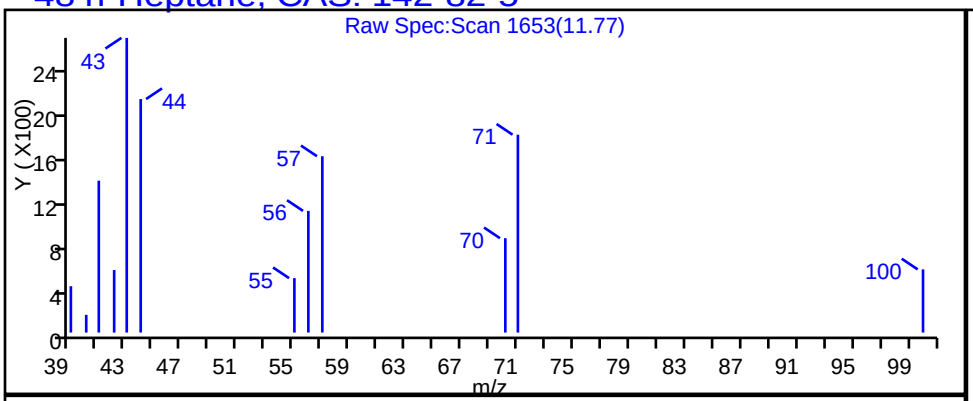


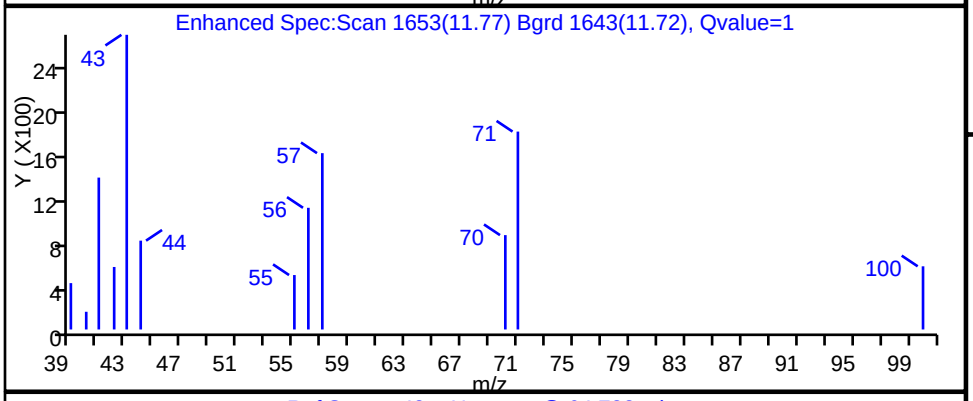


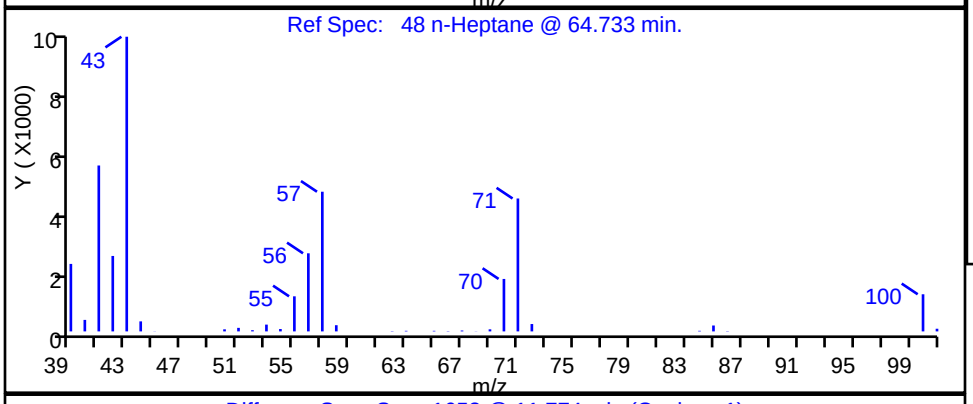


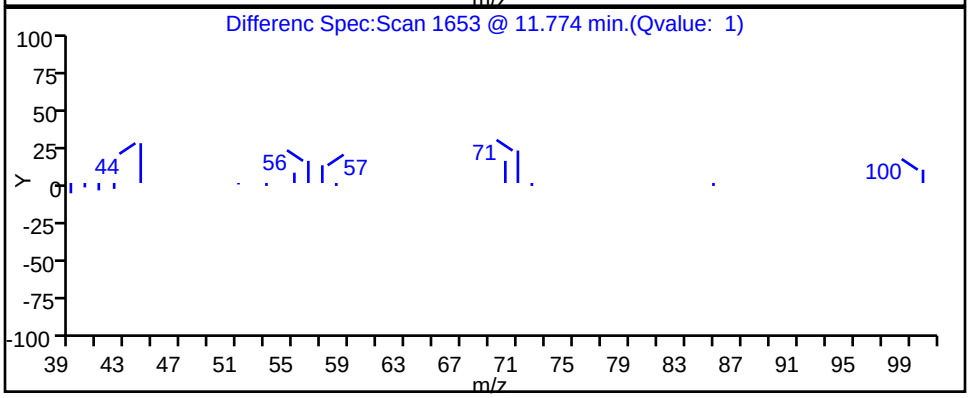
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Injection Date: 29-Apr-2015 18:27:30 Instrument ID: CHX.i
Lims ID: 200-27725-A-1 Lab Sample ID: 200-27725-1
Client ID: 101VMP0101GA
Operator ID: wrd ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 200.000 mL Dil. Factor: 1.6000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

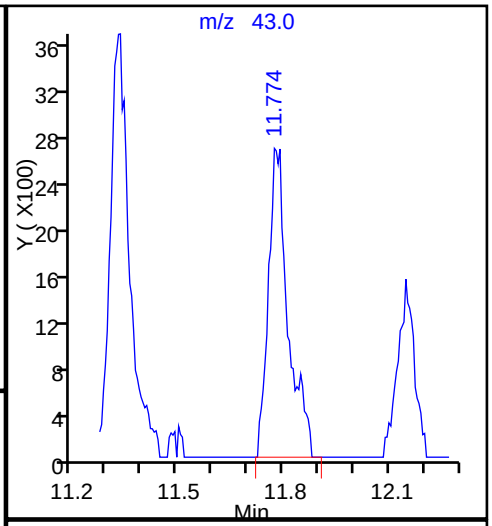
48 n-Heptane, CAS: 142-82-5

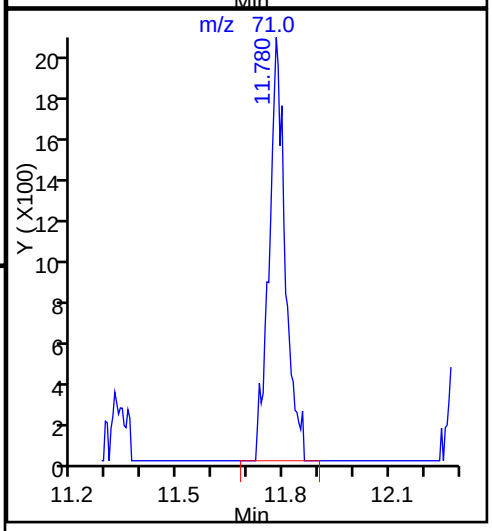










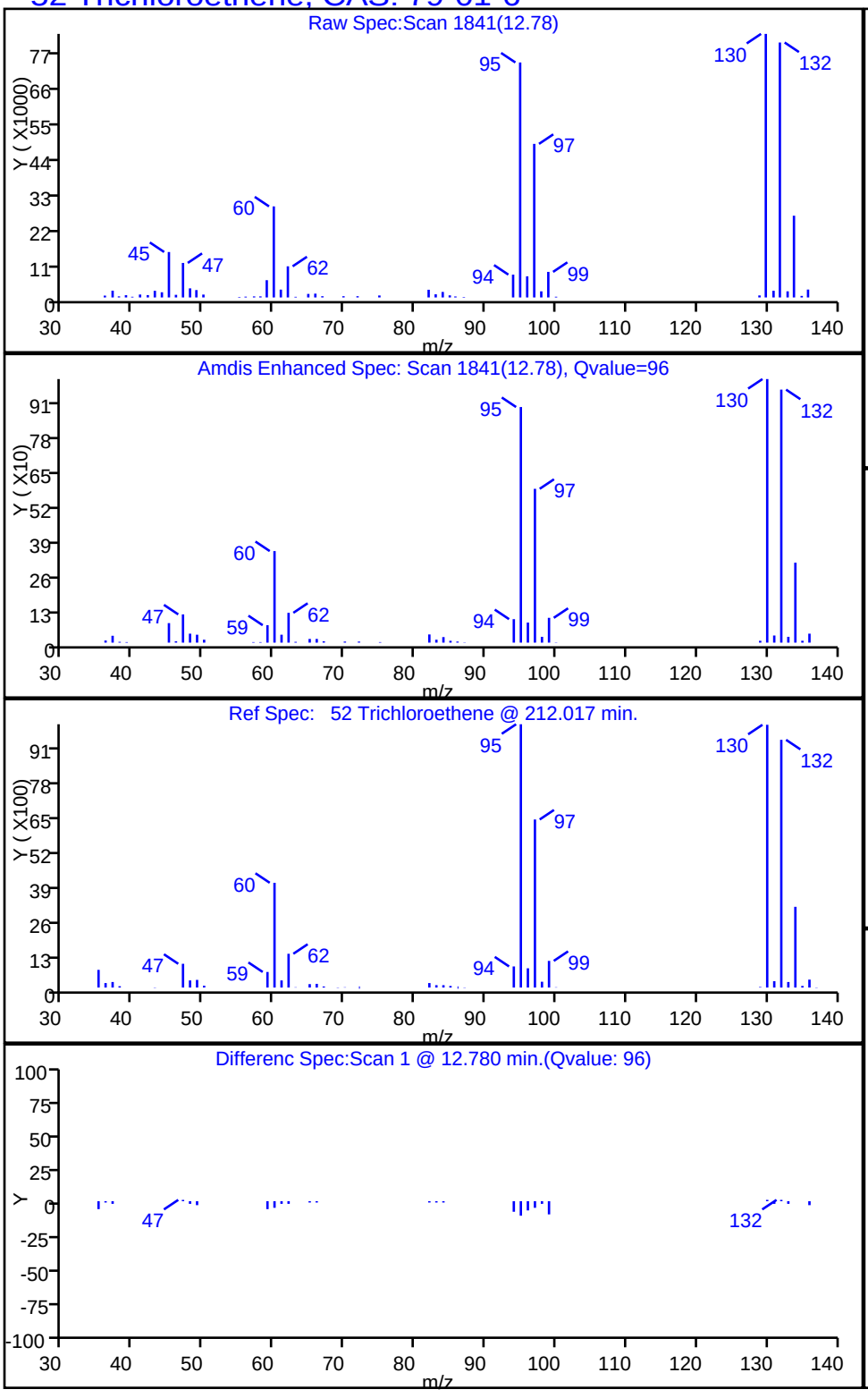


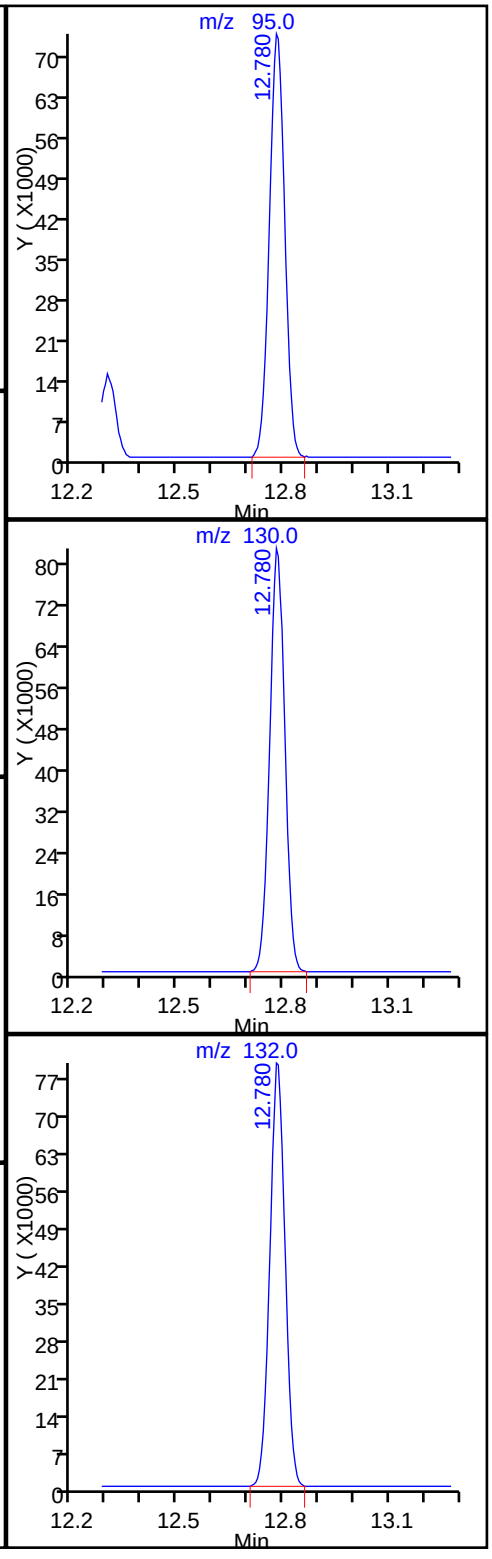
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHX.i\20150429-13349.b\13349-010.D

Injection Date:	29-Apr-2015 18:27:30	Instrument ID:	CHX.i		
Lims ID:	200-27725-A-1	Lab Sample ID:	200-27725-1		
Client ID:	101VMP0101GA				
Operator ID:	wrd	ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	1.6000		
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

52 Trichloroethene, CAS: 79-01-6

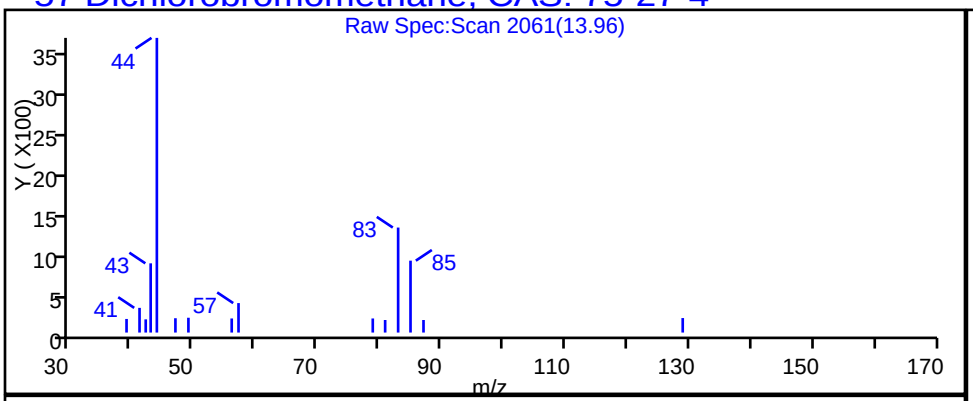


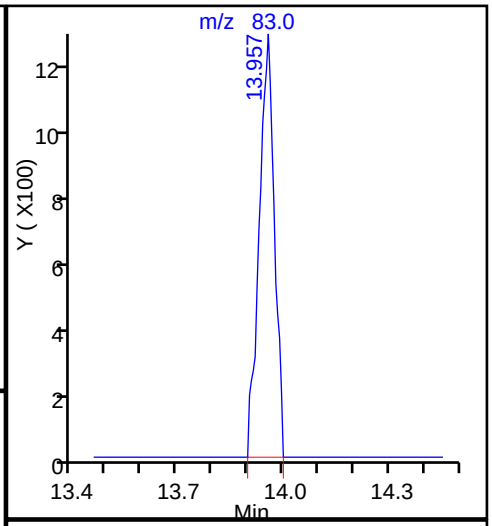


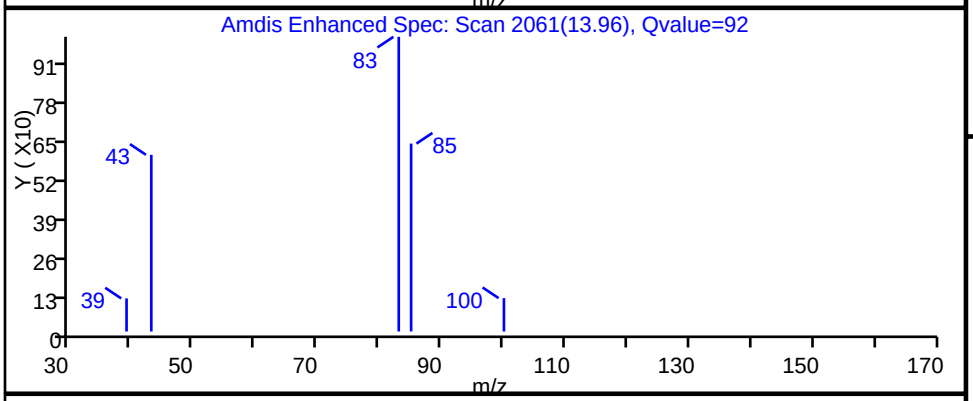
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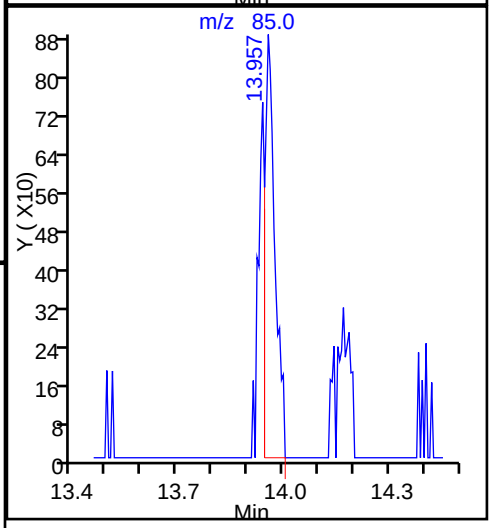
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Injection Date:	29-Apr-2015 18:27:30	Instrument ID:	CHX.i		
Lims ID:	200-27725-A-1	Lab Sample ID:	200-27725-1		
Client ID:	101VMP0101GA				
Operator ID:	wrd	ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	1.6000		
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

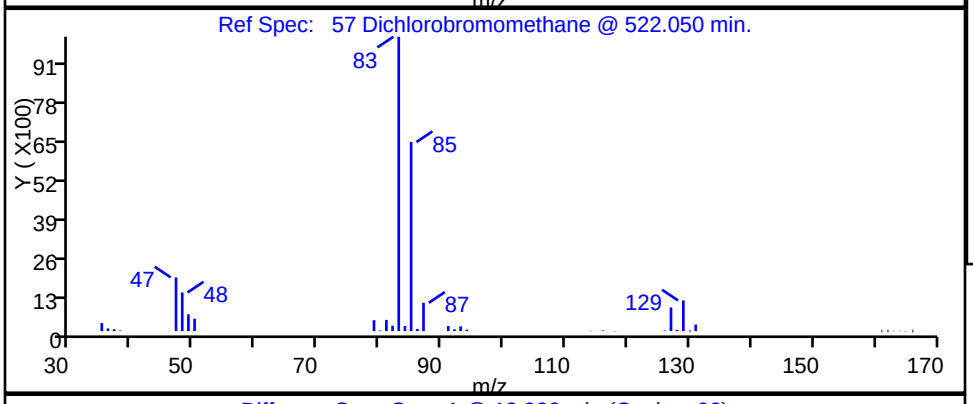
57 Dichlorobromomethane, CAS: 75-27-4

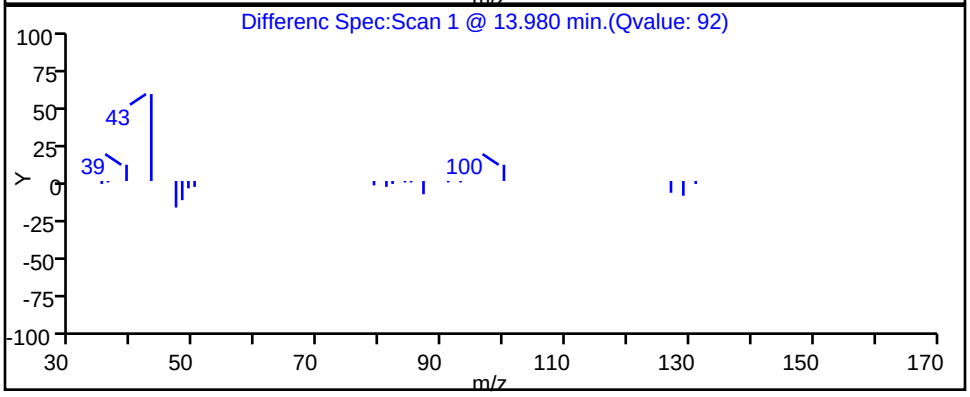








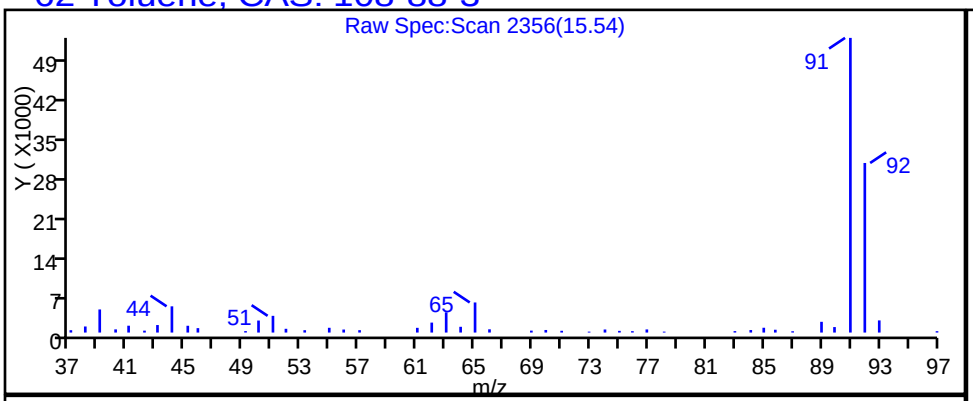


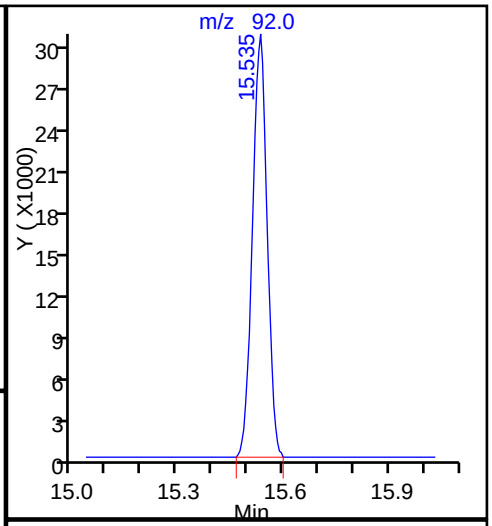


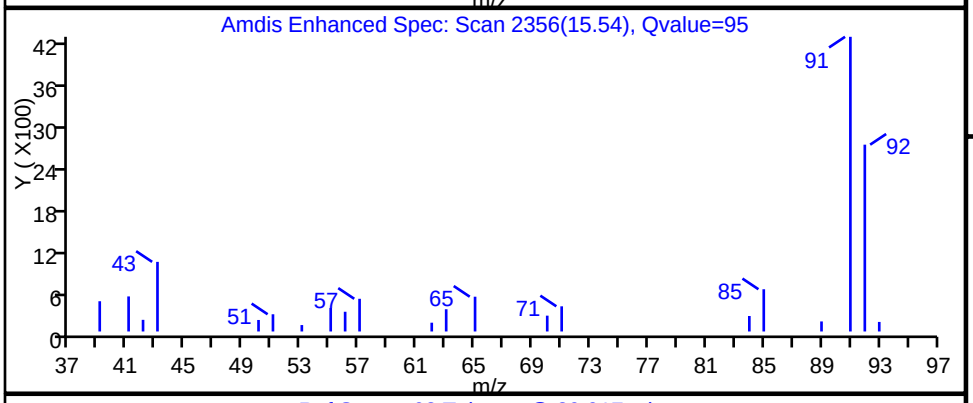
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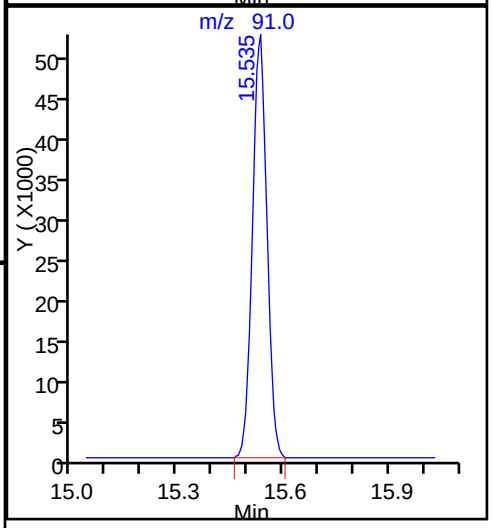
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Injection Date: 29-Apr-2015 18:27:30 Instrument ID: CHX.i
Lims ID: 200-27725-A-1 Lab Sample ID: 200-27725-1
Client ID: 101VMP0101GA
Operator ID: wrd ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 200.000 mL Dil. Factor: 1.6000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

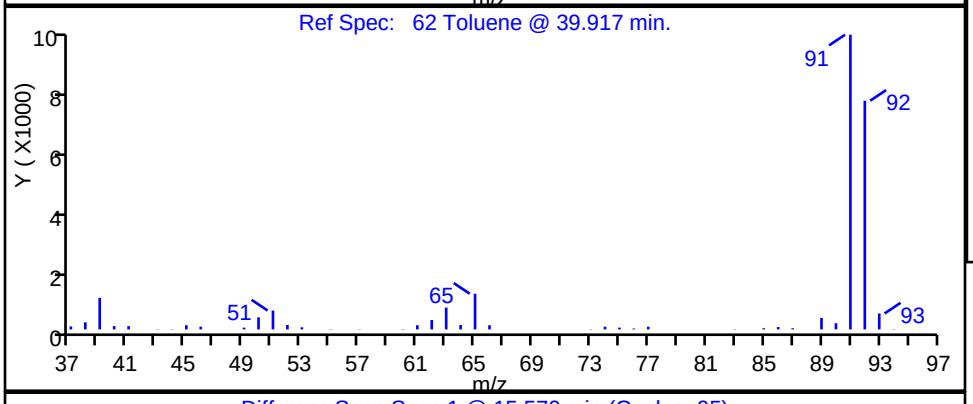
62 Toluene, CAS: 108-88-3

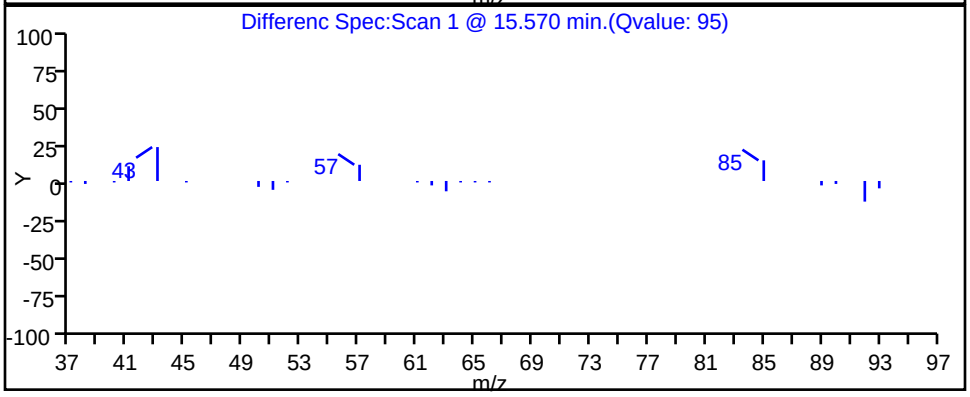






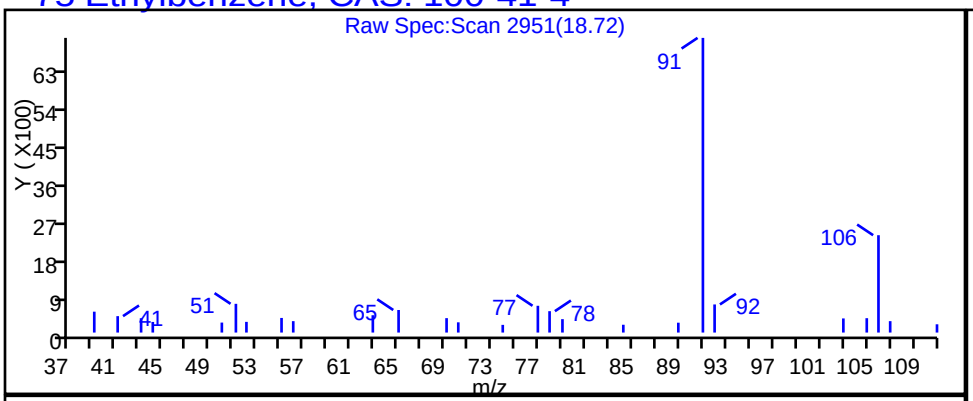


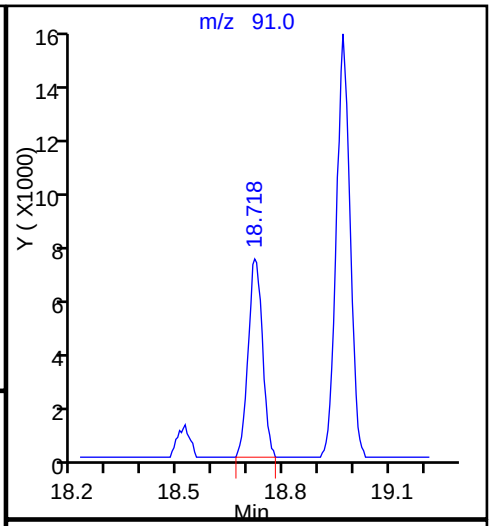


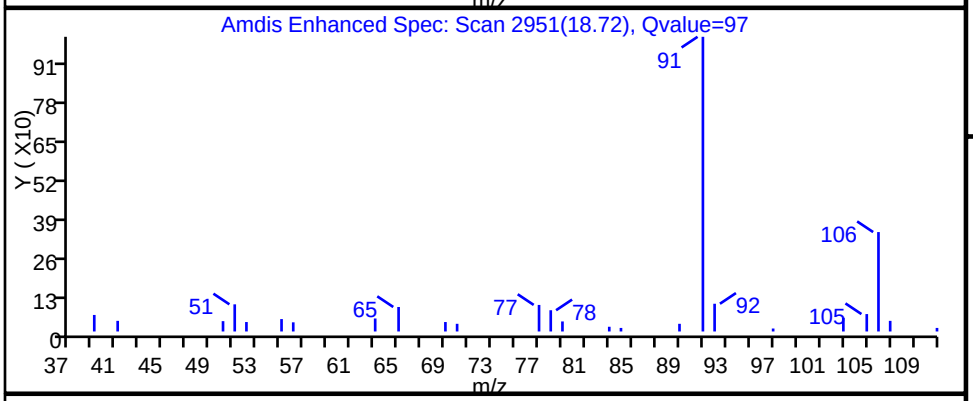


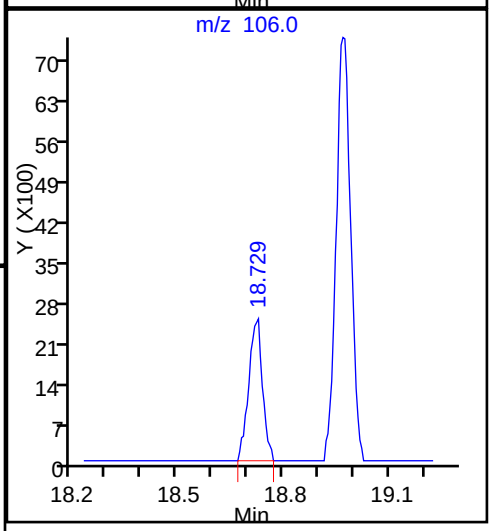
Data File: \\BTV-LIMS1\ChromData\CHX.i\20150429-13349.b\13349-010.D
Injection Date: 29-Apr-2015 18:27:30 Instrument ID: CHX.i
Lims ID: 200-27725-A-1 Lab Sample ID: 200-27725-1
Client ID: 101VMP0101GA
Operator ID: wrd ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 200.000 mL Dil. Factor: 1.6000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

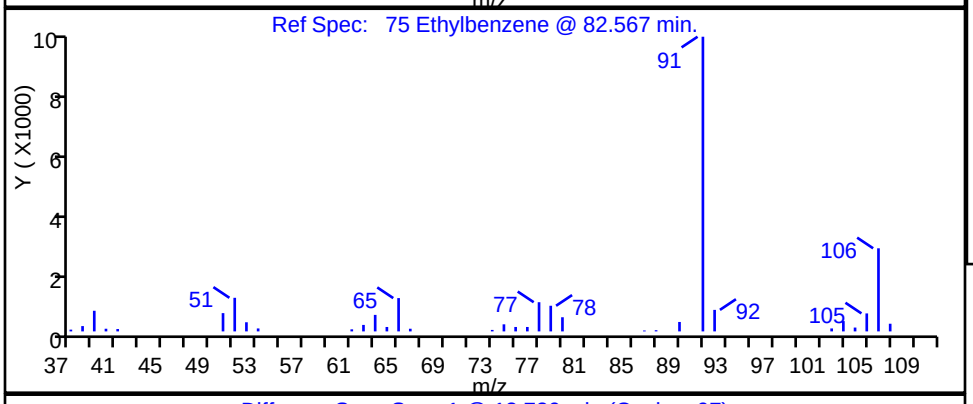
75 Ethylbenzene, CAS: 100-41-4

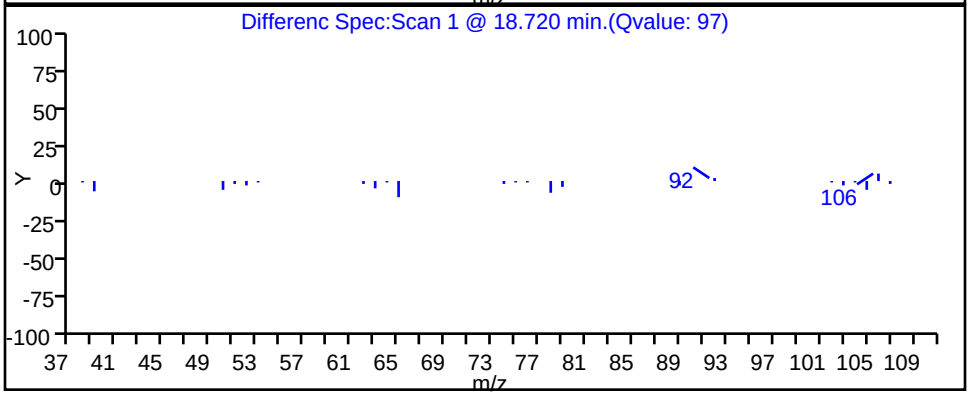








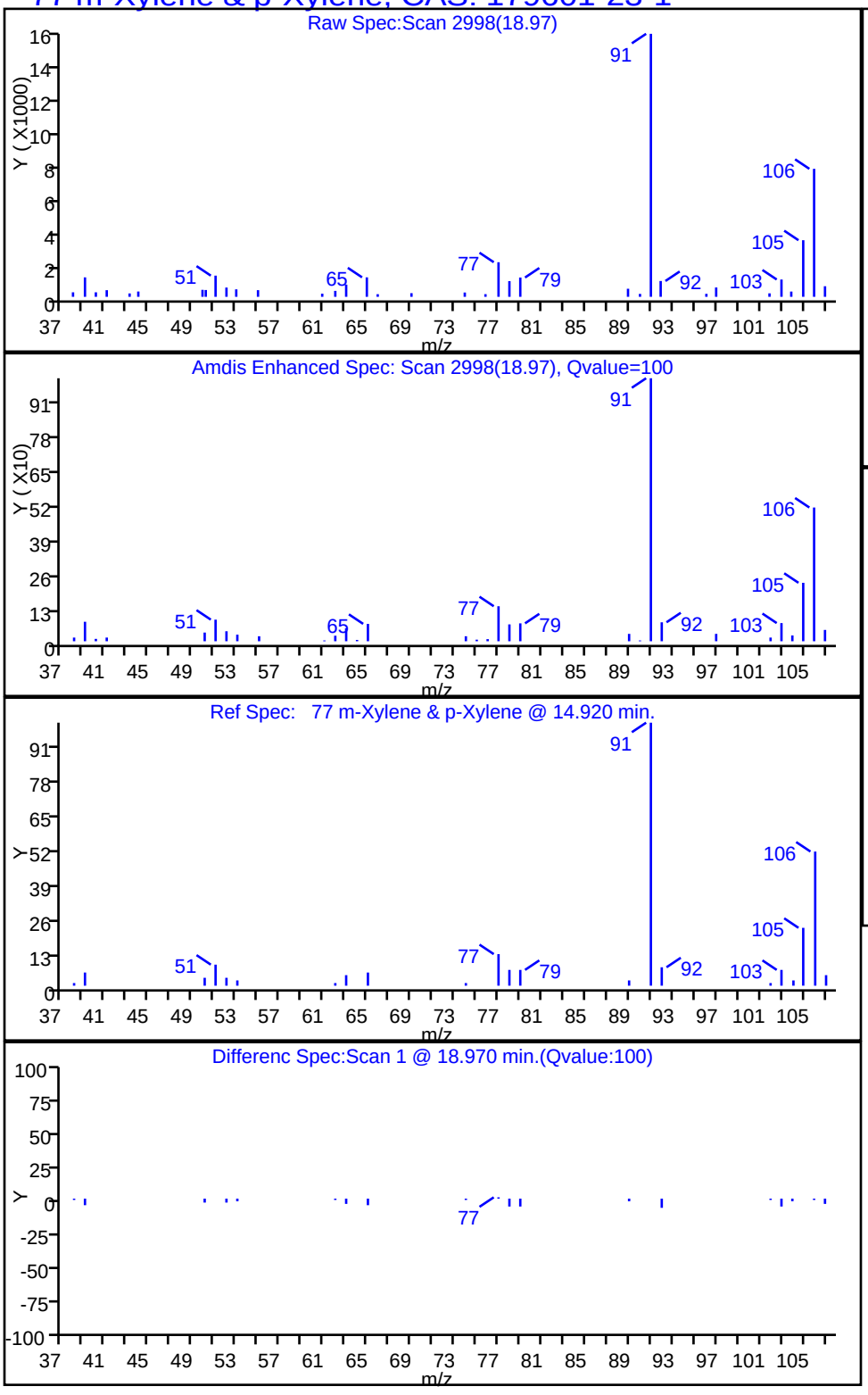


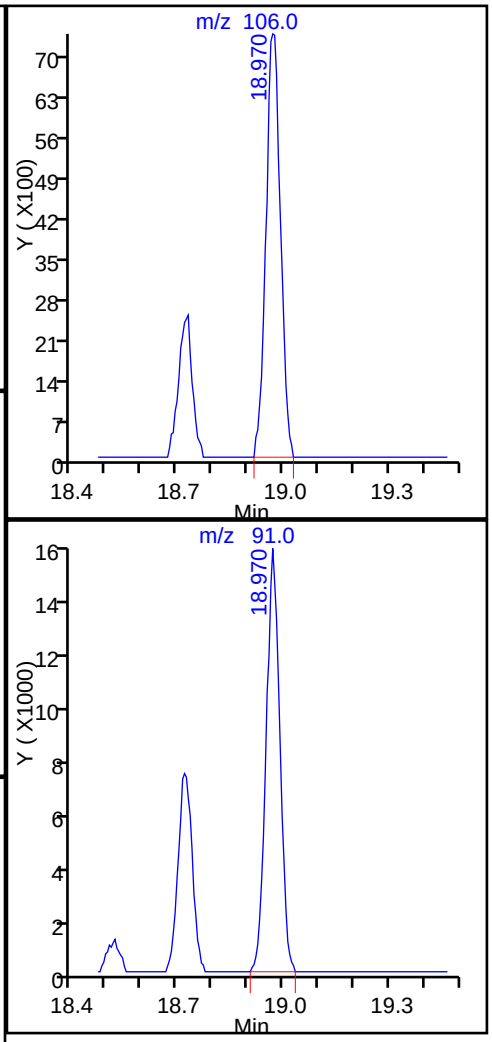


TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHX.i\20150429-13349.b\13349-010.D				
Injection Date:	29-Apr-2015 18:27:30	Instrument ID:	CHX.i		
Lims ID:	200-27725-A-1	Lab Sample ID:	200-27725-1		
Client ID:	101VMP0101GA				
Operator ID:	wrd	ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	1.6000		
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

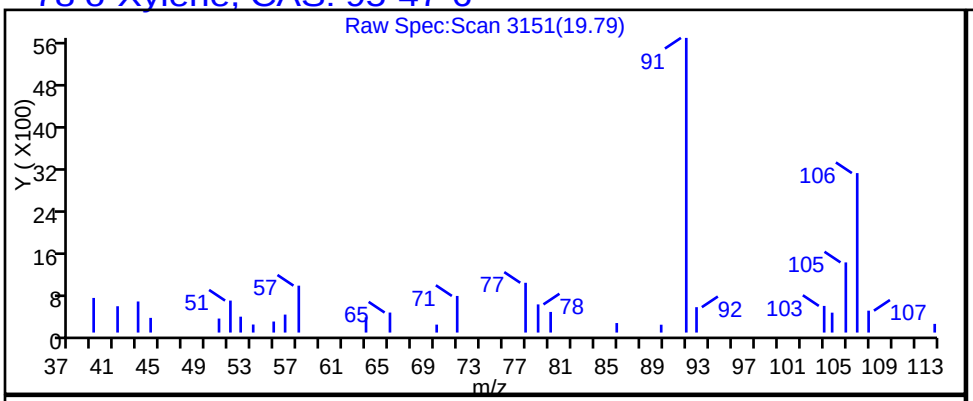
77 m-Xylene & p-Xylene, CAS: 179601-23-1

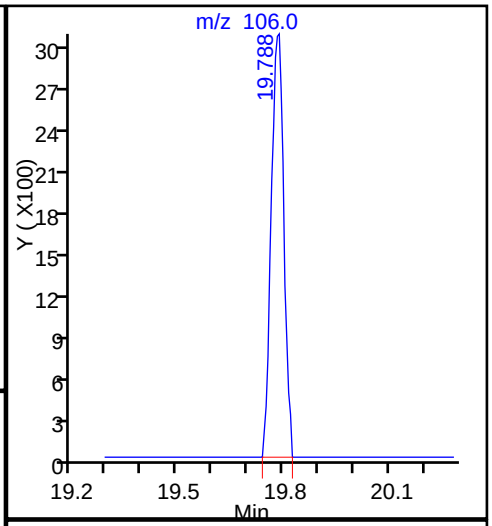


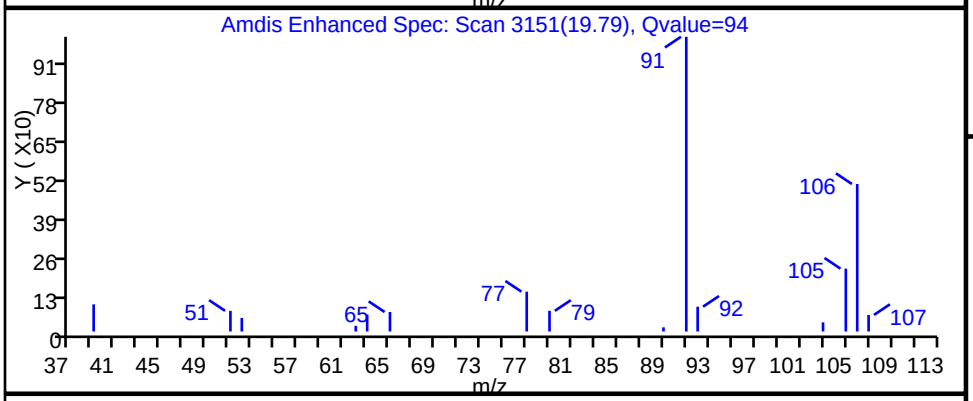


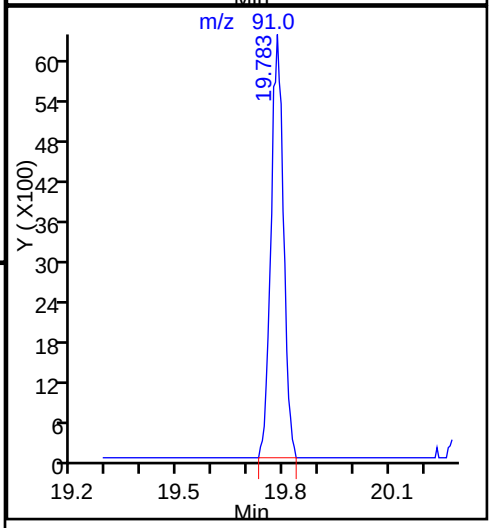
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Injection Date: 29-Apr-2015 18:27:30 Instrument ID: CHX.i
Lims ID: 200-27725-A-1 Lab Sample ID: 200-27725-1
Client ID: 101VMP0101GA
Operator ID: wrd ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 200.000 mL Dil. Factor: 1.6000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

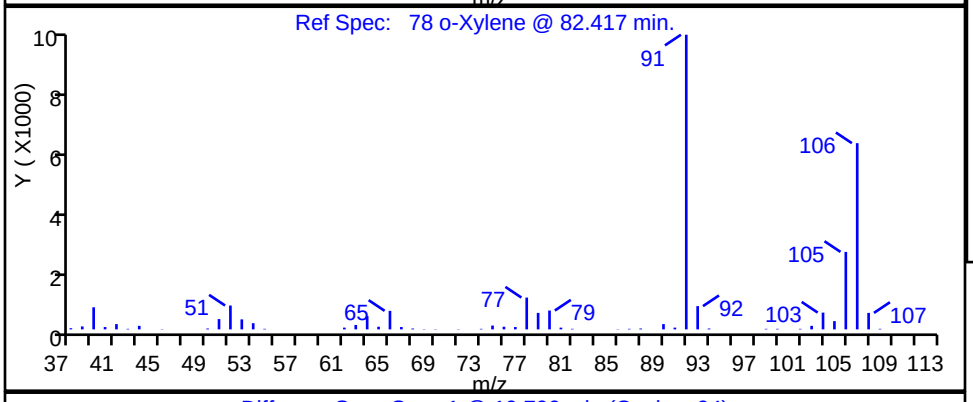
78 o-Xylene, CAS: 95-47-6

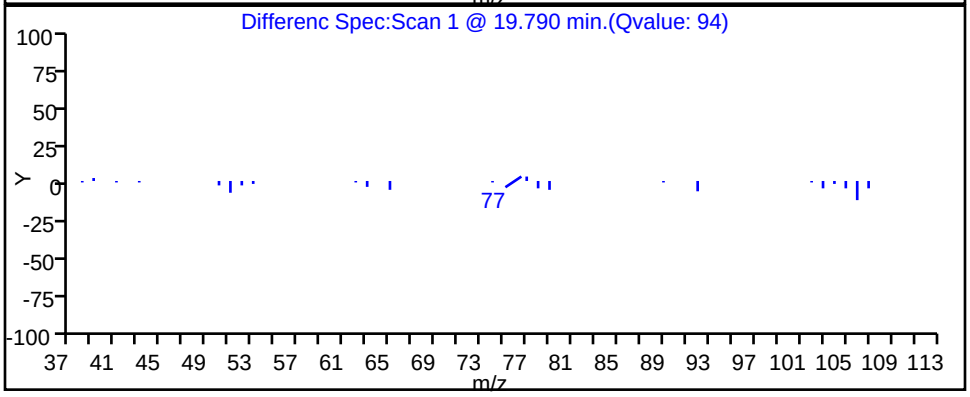






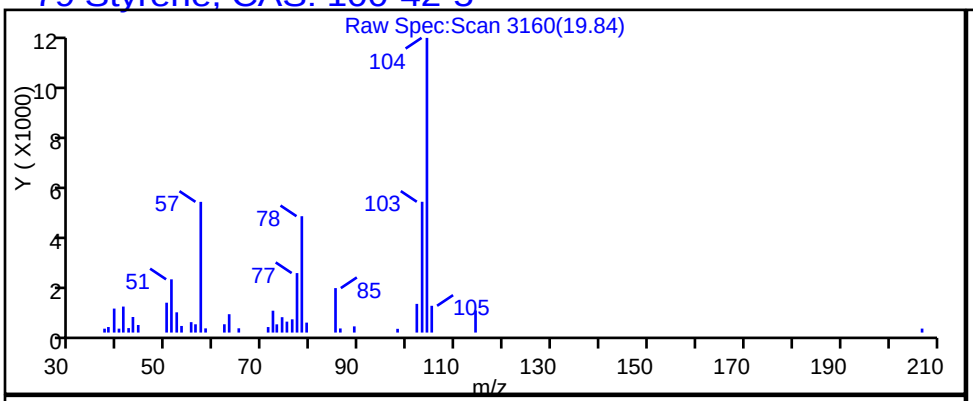


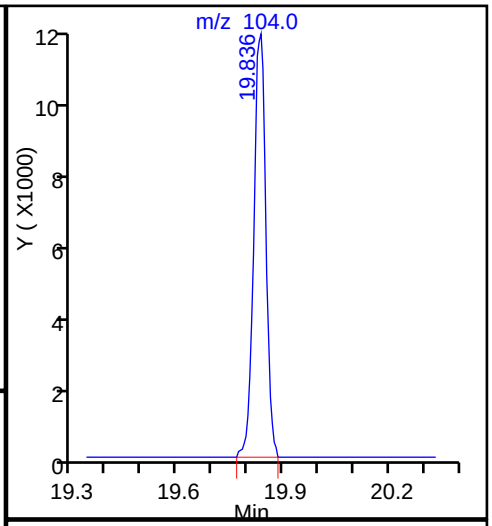


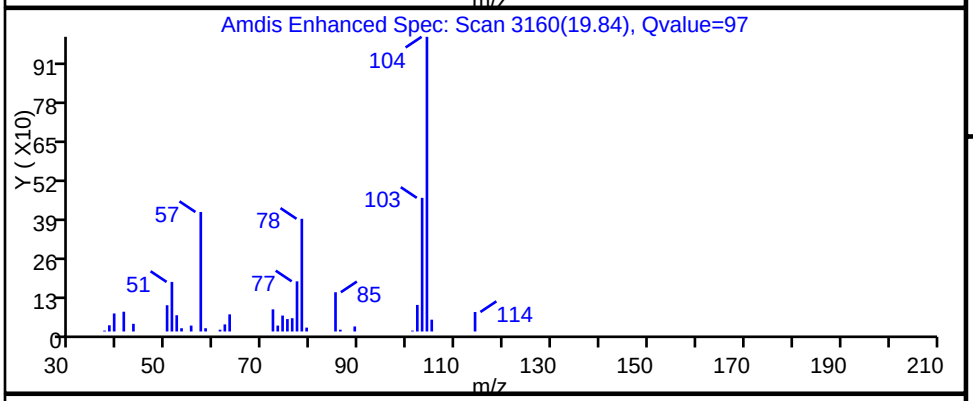


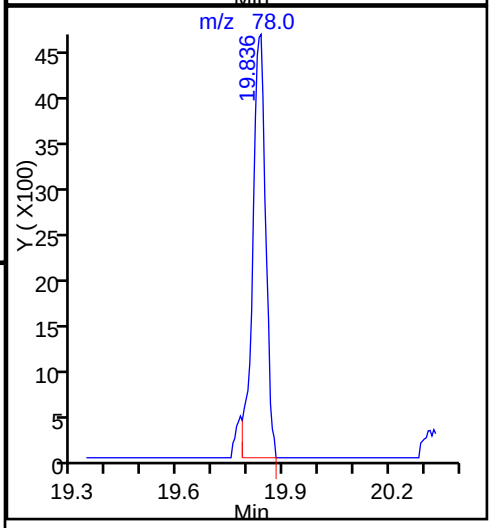
Data File: \\BTV-LIMS1\ChromData\CHX.i\20150429-13349.b\13349-010.D
Injection Date: 29-Apr-2015 18:27:30 Instrument ID: CHX.i
Lims ID: 200-27725-A-1 Lab Sample ID: 200-27725-1
Client ID: 101VMP0101GA
Operator ID: wrd ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 200.000 mL Dil. Factor: 1.6000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

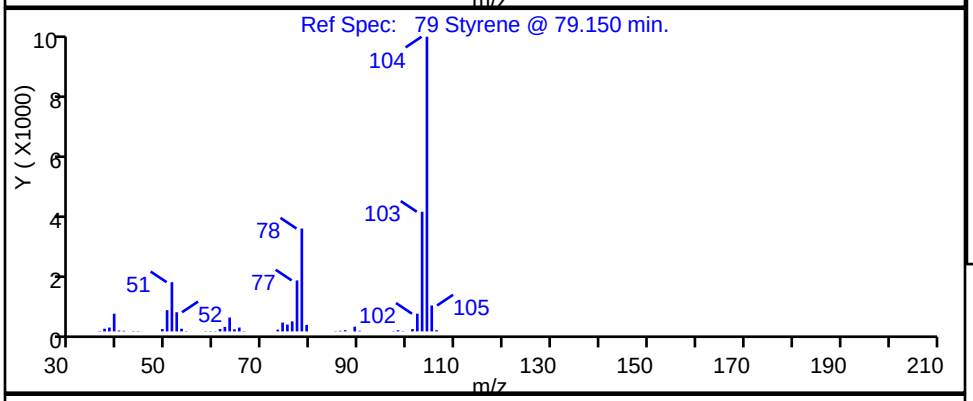
79 Styrene, CAS: 100-42-5

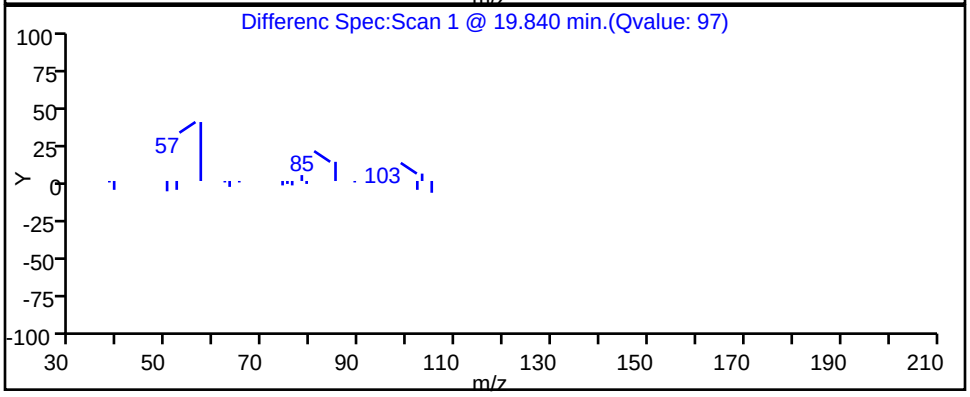






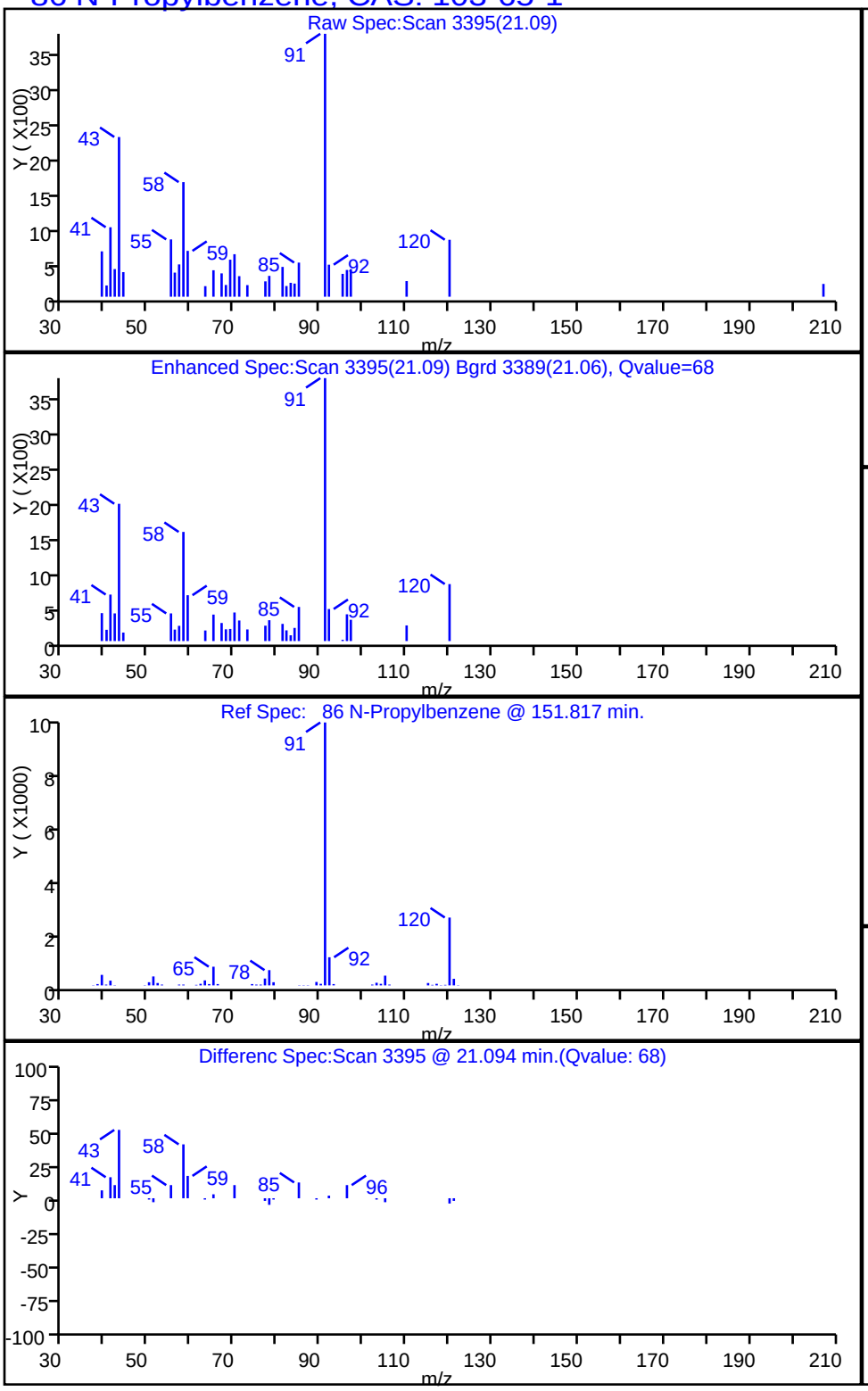


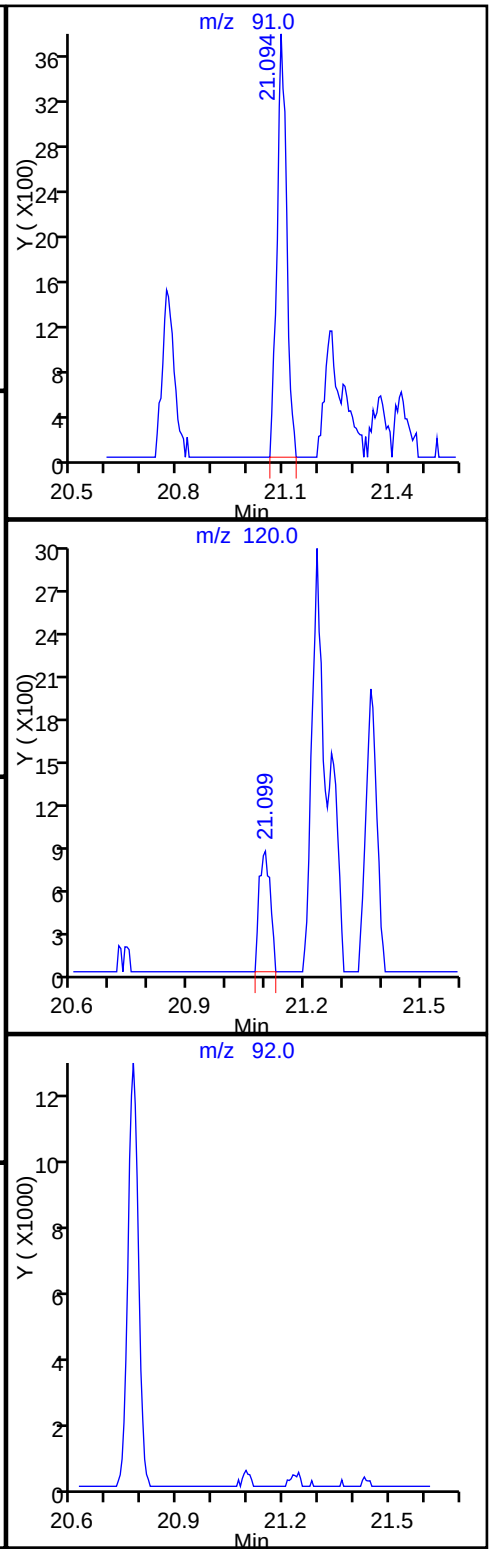




Data File: \\BTV-LIMS1\ChromData\CHX.i\20150429-13349.b\13349-010.D
Injection Date: 29-Apr-2015 18:27:30 Instrument ID: CHX.i
Lims ID: 200-27725-A-1 Lab Sample ID: 200-27725-1
Client ID: 101VMP0101GA
Operator ID: wrd ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 200.000 mL Dil. Factor: 1.6000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

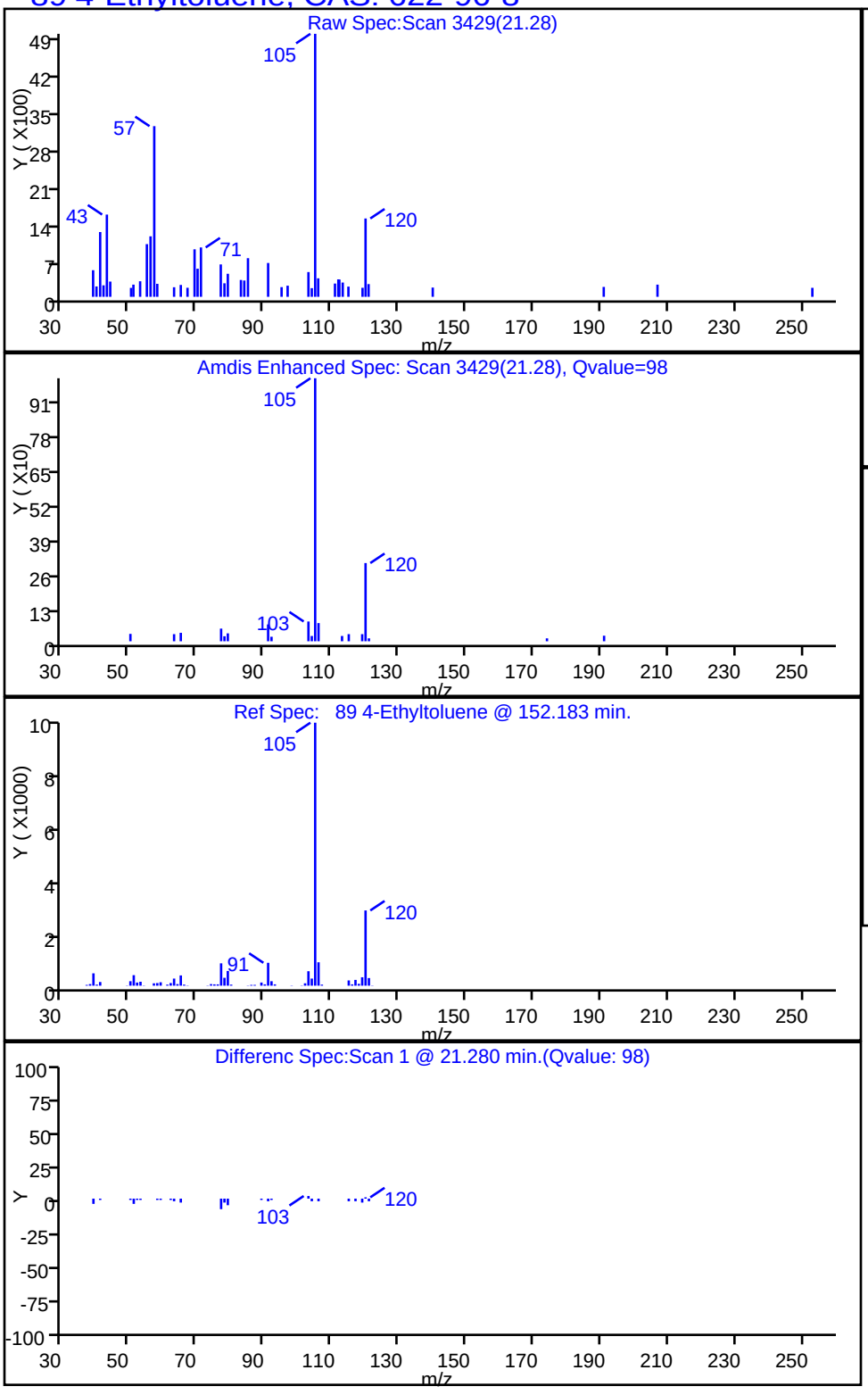
86 N-Propylbenzene, CAS: 103-65-1

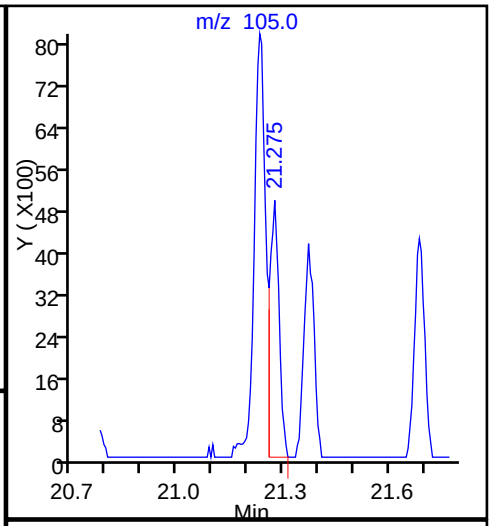


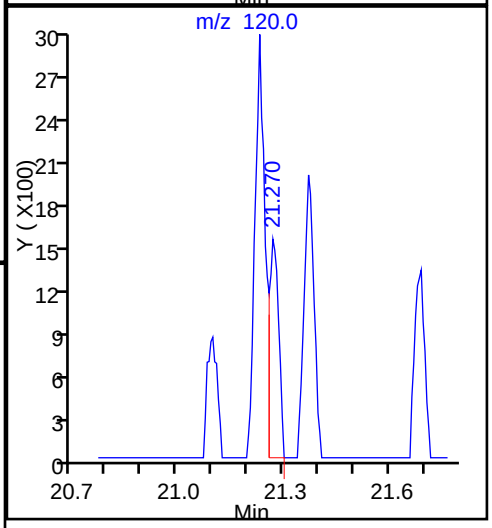


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Injection Date: 29-Apr-2015 18:27:30 Instrument ID: CHX.i
Lims ID: 200-27725-A-1 Lab Sample ID: 200-27725-1
Client ID: 101VMP0101GA
Operator ID: wrd ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 200.000 mL Dil. Factor: 1.6000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

89 4-Ethyltoluene, CAS: 622-96-8

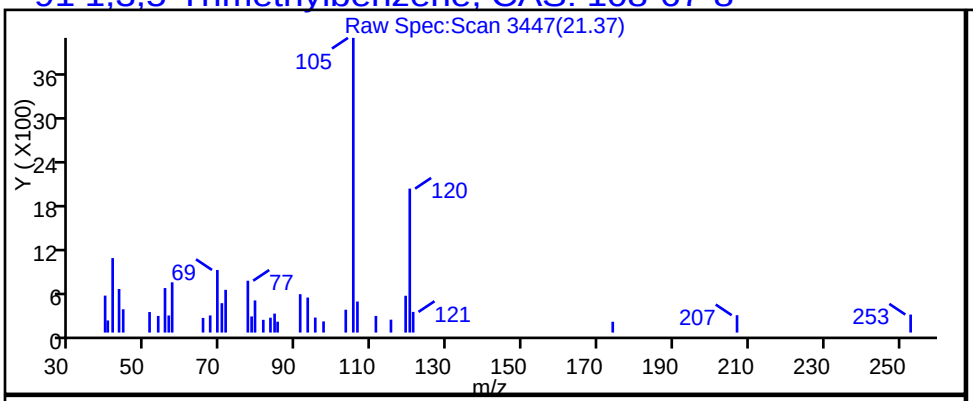


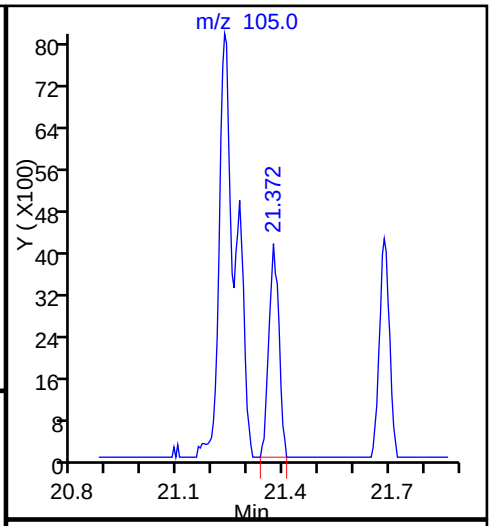


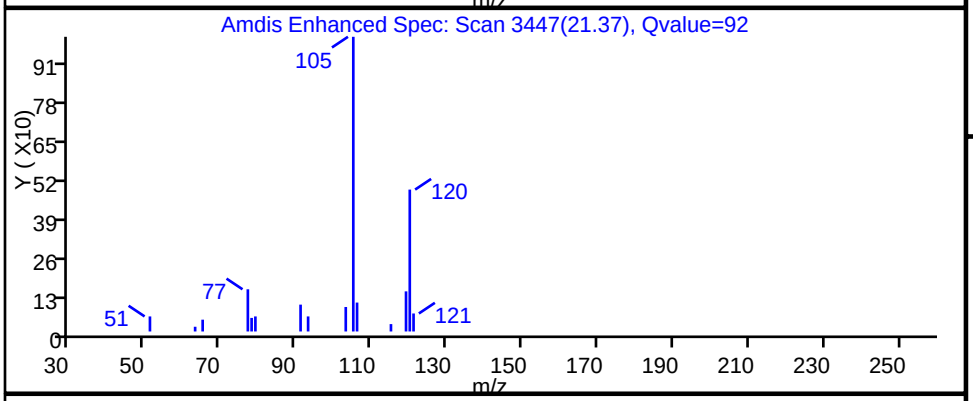


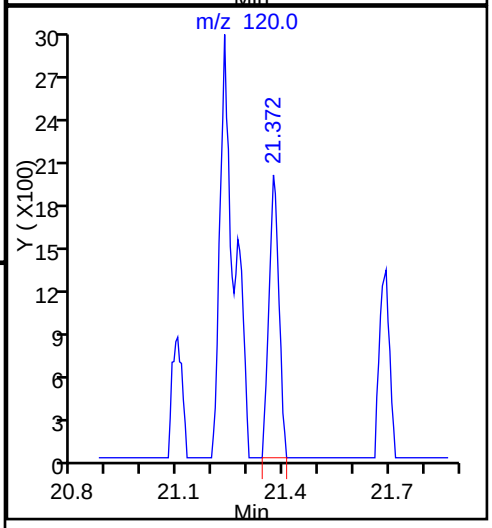
Data File: \\BTV-LIMS1\ChromData\CHX.i\20150429-13349.b\13349-010.D
Injection Date: 29-Apr-2015 18:27:30 Instrument ID: CHX.i
Lims ID: 200-27725-A-1 Lab Sample ID: 200-27725-1
Client ID: 101VMP0101GA
Operator ID: wrd ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 200.000 mL Dil. Factor: 1.6000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

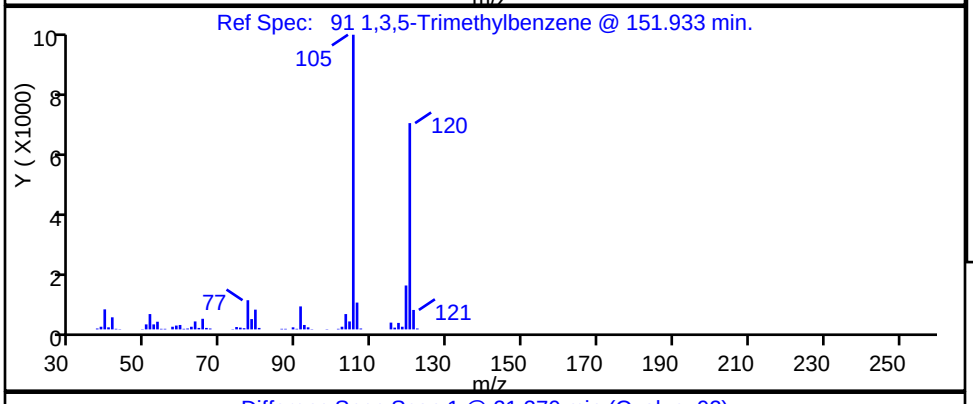
91 1,3,5-Trimethylbenzene, CAS: 108-67-8

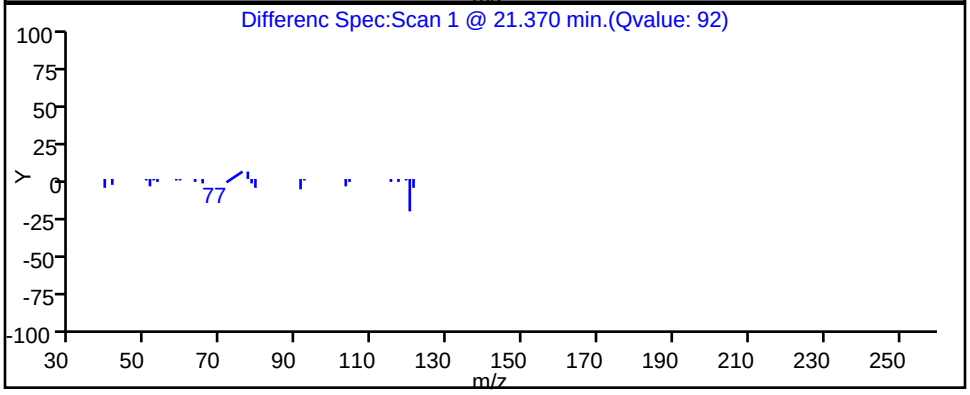










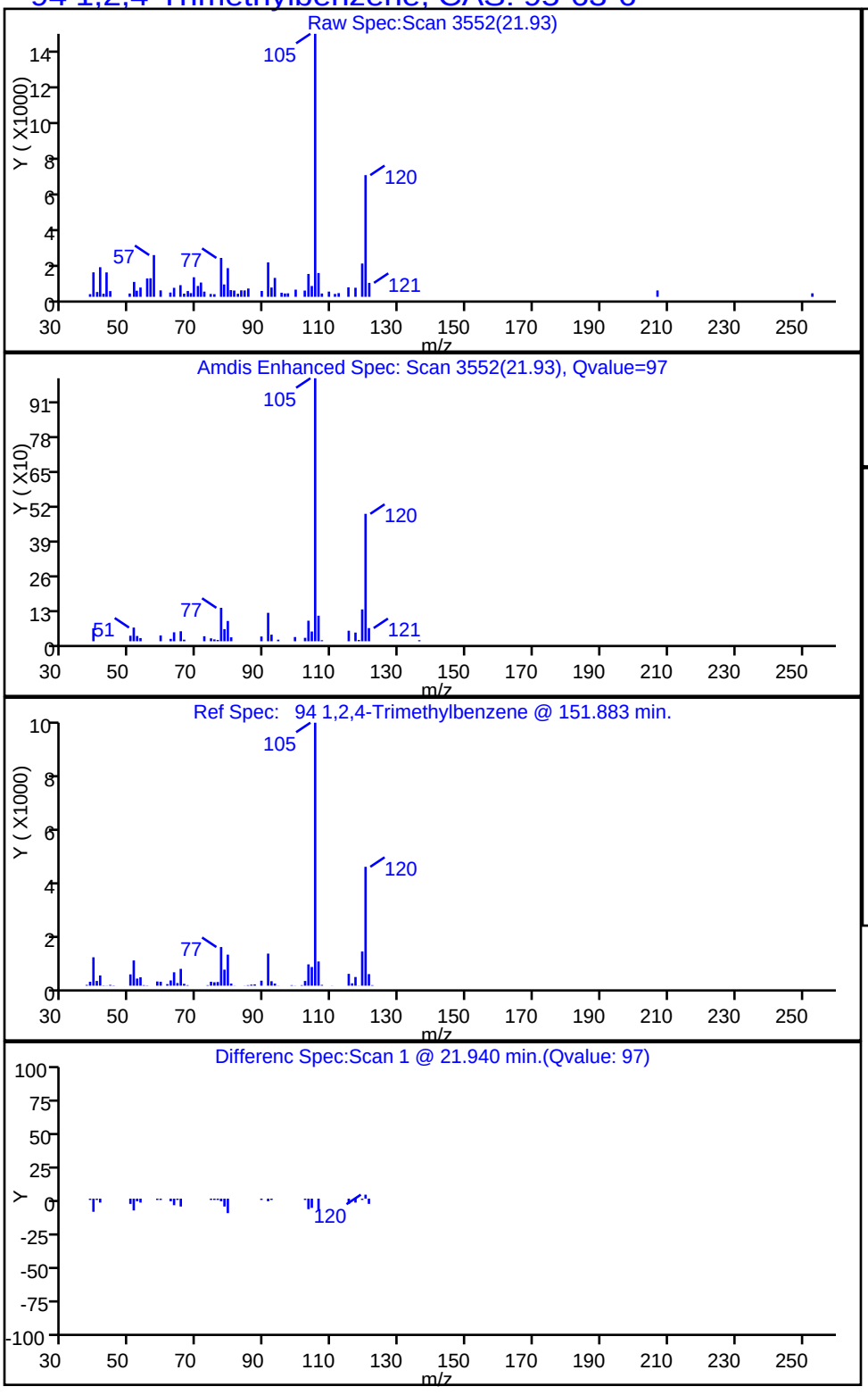


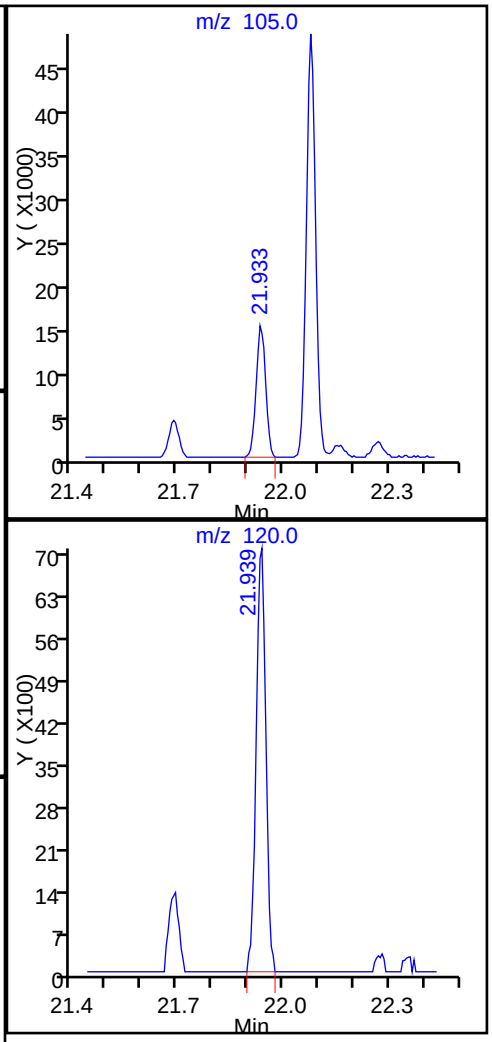
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHX.i\20150429-13349.b\13349-010.D

Injection Date:	29-Apr-2015 18:27:30	Instrument ID:	CHX.i		
Lims ID:	200-27725-A-1	Lab Sample ID:	200-27725-1		
Client ID:	101VMP0101GA				
Operator ID:	wrd	ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	1.6000		
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

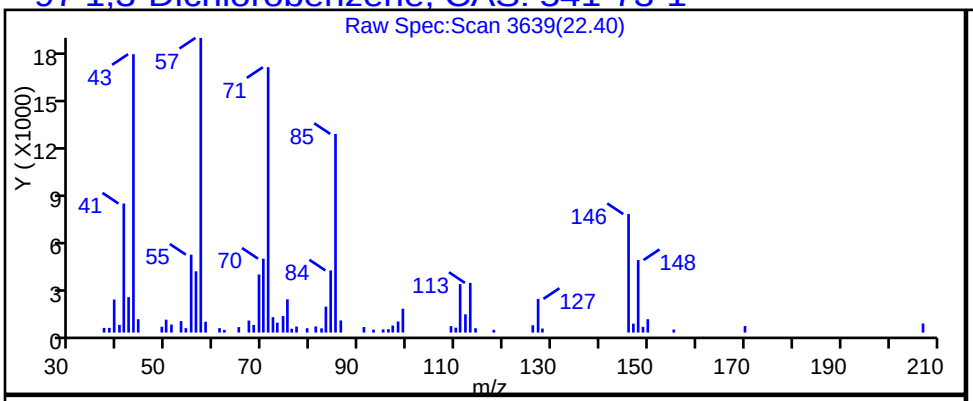
94 1,2,4-Trimethylbenzene, CAS: 95-63-6

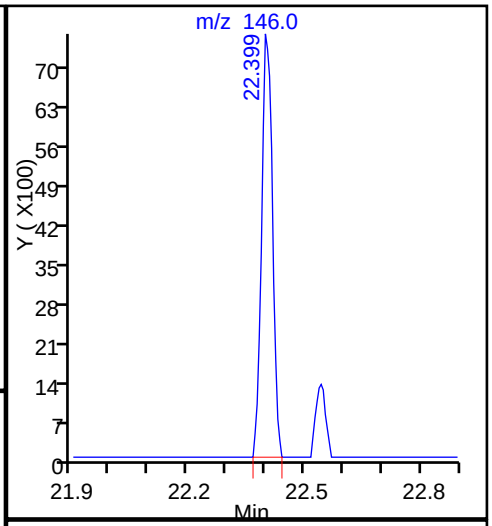


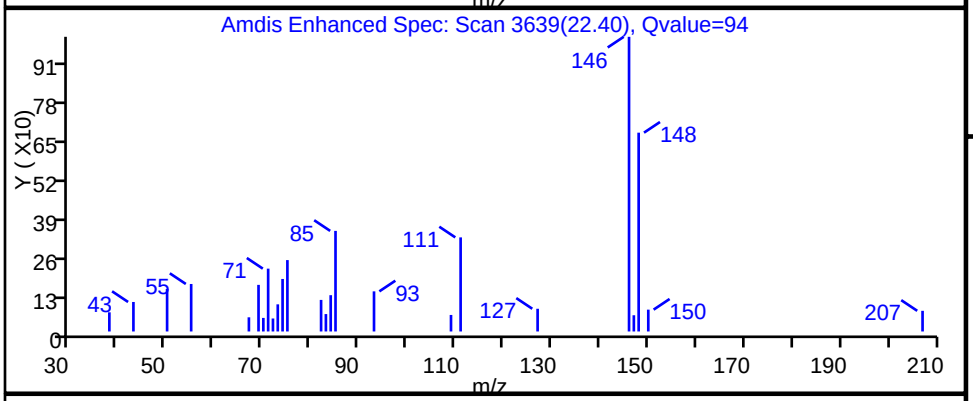


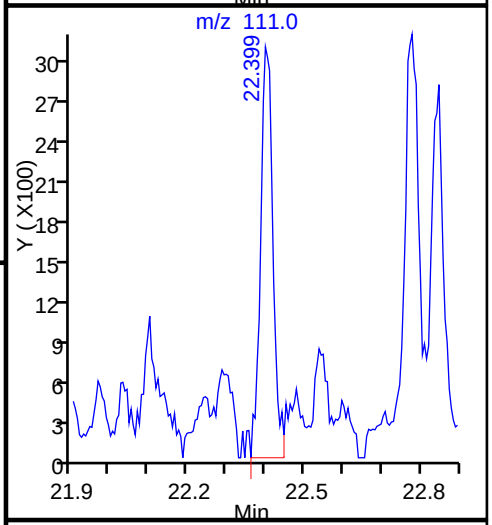
Data File: \\BTV-LIMS1\ChromData\CHX.i\20150429-13349.b\13349-010.D
Injection Date: 29-Apr-2015 18:27:30 Instrument ID: CHX.i
Lims ID: 200-27725-A-1 Lab Sample ID: 200-27725-1
Client ID: 101VMP0101GA
Operator ID: wrd ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 200.000 mL Dil. Factor: 1.6000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

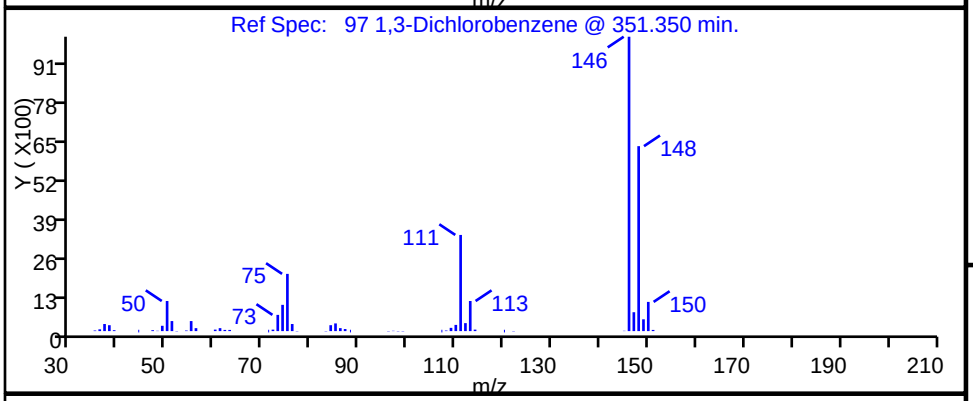
97 1,3-Dichlorobenzene, CAS: 541-73-1

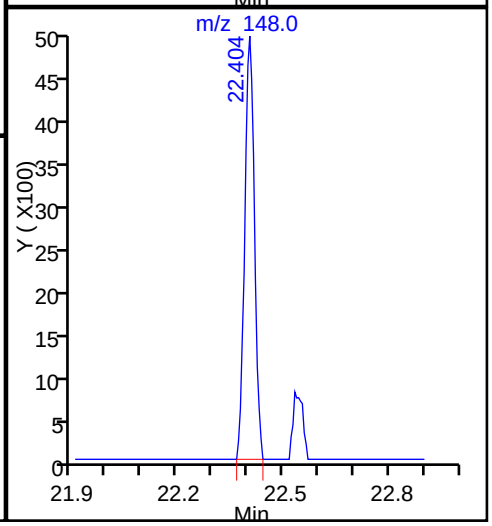


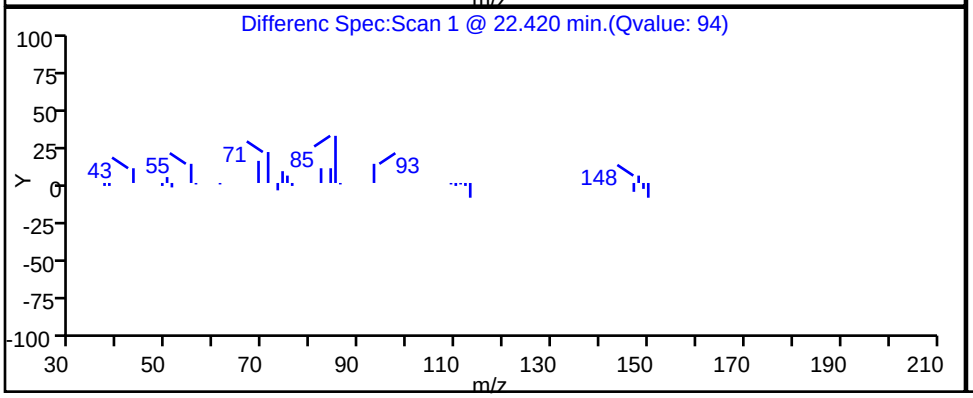












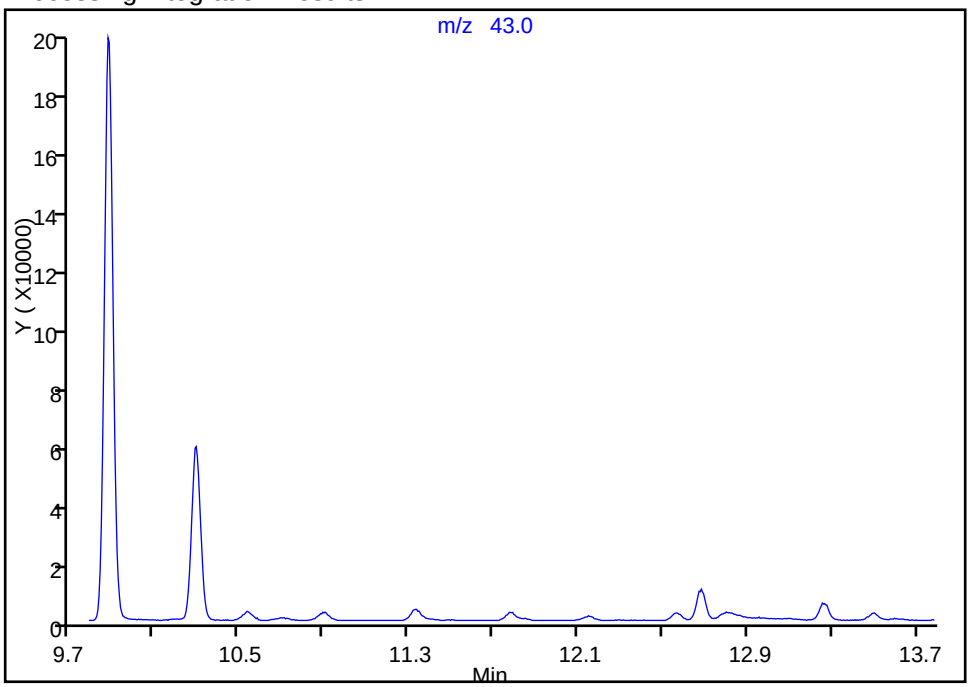
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHX.i\20150429-13349.b\13349-010.D				
Injection Date:	29-Apr-2015 18:27:30	Instrument ID:	CHX.i		
Lims ID:	200-27725-A-1	Lab Sample ID:	200-27725-1		
Client ID:	101VMP0101GA				
Operator ID:	wrd	ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	1.6000		
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

48 n-Heptane, CAS: 142-82-5

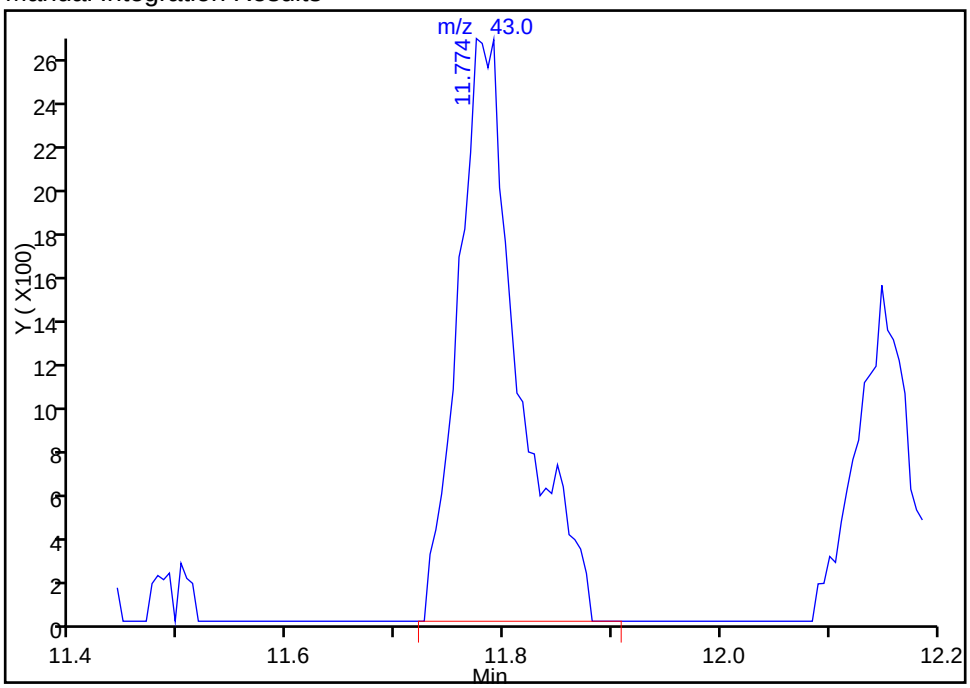
Processing Integration Results

Not Detected
Expected RT: 11.79



Manual Integration Results

RT: 11.77
Area: 10391
Amount: 0.225447
Amount Units: ppb v/v



Reviewer: lyonsb, 30-Apr-2015 08:38:00
Audit Action: Manually Integrated
Audit Reason: Baseline Event

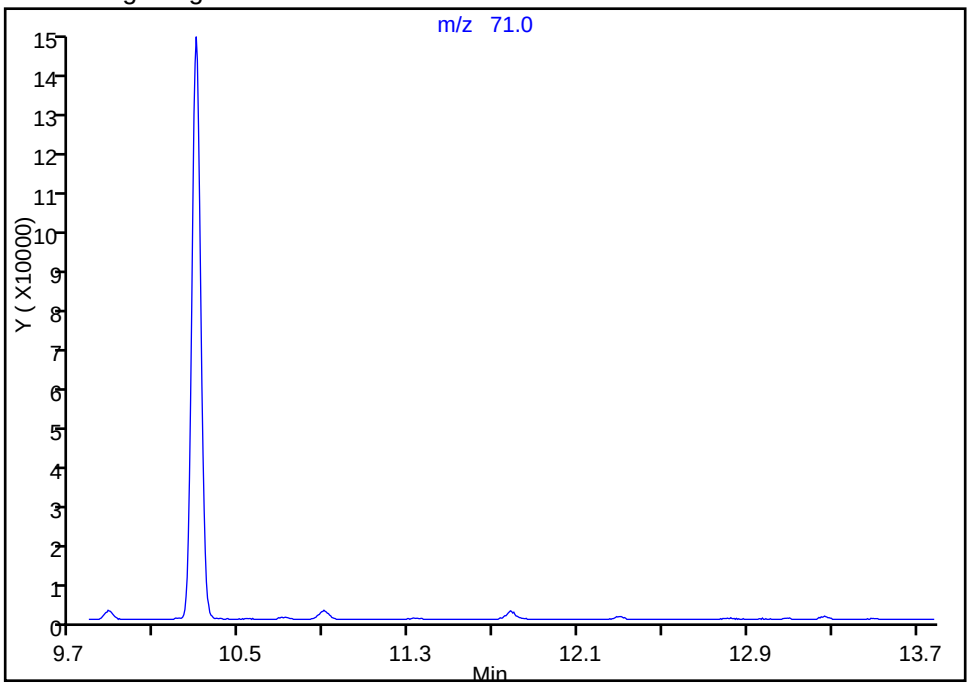
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHX.i\20150429-13349.b\13349-010.D				
Injection Date:	29-Apr-2015 18:27:30	Instrument ID:	CHX.i		
Lims ID:	200-27725-A-1	Lab Sample ID:	200-27725-1		
Client ID:	101VMP0101GA				
Operator ID:	wrd	ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	1.6000		
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

48 n-Heptane, CAS: 142-82-5

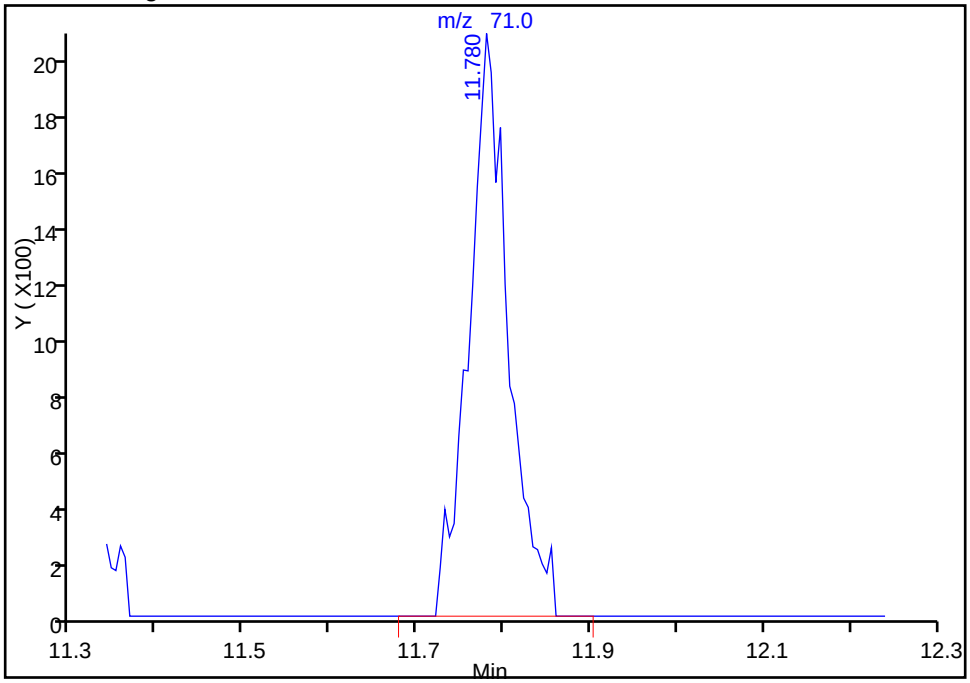
Not Detected
Expected RT: 11.79

Processing Integration Results



Manual Integration Results

RT: 11.78
Area: 6550
Amount: 0.225447
Amount Units: ppb v/v



Reviewer: lyonsb, 30-Apr-2015 08:38:00
Audit Action: Manually Integrated
Audit Reason: Baseline Event

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

Lab Name: TestAmerica Burlington Job No.: 200-27725-1

SDG No.:

Client Sample ID: 101VMP0201GA Lab Sample ID: 200-27725-2

Matrix: Air Lab File ID: 13349-011.D

Analysis Method: TO-15 Date Collected: 04/23/2015 11:50

Sample wt/vol: 40(mL) Date Analyzed: 04/29/2015 19:17

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.: 87597 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	0.47	J D	2.5	0.28
75-45-6	Freon 22	86.47	0.40	J D	2.5	0.40
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.40	U	1.0	0.26
74-87-3	Chloromethane	50.49	1.0	U	2.5	0.30
106-97-8	n-Butane	58.12	1.0	U	2.5	0.90
75-01-4	Vinyl chloride	62.50	0.15	U	1.0	0.13
106-99-0	1,3-Butadiene	54.09	0.40	U	1.0	0.18
74-83-9	Bromomethane	94.94	0.40	U	1.0	0.22
75-00-3	Chloroethane	64.52	0.40	U	2.5	0.31
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.15	U	1.0	0.10
75-69-4	Trichlorofluoromethane	137.37	0.60	J D	1.0	0.23
76-13-1	Freon TF	187.38	0.40	U	1.0	0.21
75-35-4	1,1-Dichloroethene	96.94	0.15	U	1.0	0.050
67-64-1	Acetone	58.08	17	J D	25	3.5
67-63-0	Isopropyl alcohol	60.10	3.2	J D	25	0.75
75-15-0	Carbon disulfide	76.14	1.8	J D	2.5	0.15
107-05-1	3-Chloropropene	76.53	1.0	U	2.5	0.80
75-09-2	Methylene Chloride	84.93	1.1	J D	2.5	0.60
75-65-0	tert-Butyl alcohol	74.12	1.0	U	25	0.60
1634-04-4	Methyl tert-butyl ether	88.15	0.15	U	1.0	0.11
156-60-5	trans-1,2-Dichloroethene	96.94	0.15	U	1.0	0.14
110-54-3	n-Hexane	86.17	0.15	U	1.0	0.14
75-34-3	1,1-Dichloroethane	98.96	0.15	U	1.0	0.14
78-93-3	Methyl Ethyl Ketone	72.11	11	D	2.5	0.46
156-59-2	cis-1,2-Dichloroethene	96.94	0.40	U	1.0	0.15
540-59-0	1,2-Dichloroethene, Total	96.94	0.40	U	1.0	0.27
67-66-3	Chloroform	119.38	0.40	U	1.0	0.19
109-99-9	Tetrahydrofuran	72.11	48	D	25	0.90
71-55-6	1,1,1-Trichloroethane	133.41	0.40	U	1.0	0.15
110-82-7	Cyclohexane	84.16	0.15	U	1.0	0.050
56-23-5	Carbon tetrachloride	153.81	0.15	U	1.0	0.055
540-84-1	2,2,4-Trimethylpentane	114.23	0.15	U	1.0	0.12
71-43-2	Benzene	78.11	1.0	D	1.0	0.15
107-06-2	1,2-Dichloroethane	98.96	0.40	U	1.0	0.26

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

Lab Name: TestAmerica Burlington Job No.: 200-27725-1

SDG No.:

Client Sample ID: 101VMP0201GA Lab Sample ID: 200-27725-2

Matrix: Air Lab File ID: 13349-011.D

Analysis Method: TO-15 Date Collected: 04/23/2015 11:50

Sample wt/vol: 40(mL) Date Analyzed: 04/29/2015 19:17

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.: 87597 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	0.19
79-01-6	Trichloroethene	131.39	22	D	1.0	0.15
80-62-6	Methyl methacrylate	100.12	1.0	U	2.5	0.48
78-87-5	1,2-Dichloropropane	112.99	0.40	U	1.0	0.18
123-91-1	1,4-Dioxane	88.11	1.0	U	25	0.80
75-27-4	Bromodichloromethane	163.83	0.15	U	1.0	0.15
10061-01-5	cis-1,3-Dichloropropene	110.97	0.15	U	1.0	0.15
108-10-1	methyl isobutyl ketone	100.16	1.1	J D	2.5	0.90
108-88-3	Toluene	92.14	46	D	1.0	0.13
10061-02-6	trans-1,3-Dichloropropene	110.97	0.15	U	1.0	0.13
79-00-5	1,1,2-Trichloroethane	133.41	0.40	U	1.0	0.19
127-18-4	Tetrachloroethene	165.83	1.5	D	1.0	0.15
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	1.0	U	2.5	0.85
124-48-1	Dibromochloromethane	208.29	0.15	U	1.0	0.10
106-93-4	1,2-Dibromoethane	187.87	0.15	U	1.0	0.090
108-90-7	Chlorobenzene	112.56	0.15	U	1.0	0.090
100-41-4	Ethylbenzene	106.17	89	D	1.0	0.10
179601-23-1	m,p-Xylene	106.17	370	D	2.5	0.13
95-47-6	Xylene, o-	106.17	110	D	1.0	0.090
1330-20-7	Xylene (total)	106.17	480		1.0	0.21
100-42-5	Styrene	104.15	1.5	D	1.0	0.080
75-25-2	Bromoform	252.75	0.15	U	1.0	0.13
98-82-8	Cumene	120.19	0.15	U	1.0	0.095
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.40	U	1.0	0.17
103-65-1	n-Propylbenzene	120.19	0.15	U	1.0	0.14
622-96-8	4-Ethyltoluene	120.20	3.1	D	1.0	0.10
108-67-8	1,3,5-Trimethylbenzene	120.20	4.1	D	1.0	0.095
95-49-8	2-Chlorotoluene	126.59	0.40	U	1.0	0.16
98-06-6	tert-Butylbenzene	134.22	0.15	U	1.0	0.10
95-63-6	1,2,4-Trimethylbenzene	120.20	7.4	D	1.0	0.080
135-98-8	sec-Butylbenzene	134.22	0.15	U	1.0	0.11
99-87-6	4-Isopropyltoluene	134.22	0.47	J D	1.0	0.10
541-73-1	1,3-Dichlorobenzene	147.00	0.15	U	1.0	0.10
106-46-7	1,4-Dichlorobenzene	147.00	0.15	U	1.0	0.095

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

Lab Name: TestAmerica Burlington Job No.: 200-27725-1

SDG No.:

Client Sample ID: 101VMP0201GA Lab Sample ID: 200-27725-2

Matrix: Air Lab File ID: 13349-011.D

Analysis Method: TO-15 Date Collected: 04/23/2015 11:50

Sample wt/vol: 40(mL) Date Analyzed: 04/29/2015 19:17

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.: 87597 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	0.15	U	1.0	0.090
104-51-8	n-Butylbenzene	134.22	0.15	U	1.0	0.14
95-50-1	1,2-Dichlorobenzene	147.00	0.15	U	1.0	0.090
120-82-1	1,2,4-Trichlorobenzene	181.45	0.40	U	2.5	0.17
87-68-3	Hexachlorobutadiene	260.76	0.40	U	1.0	0.18
91-20-3	Naphthalene	128.17	0.40	U	2.5	0.15

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

Lab Name: TestAmerica Burlington Job No.: 200-27725-1

SDG No.:

Client Sample ID: 101VMP0201GA Lab Sample ID: 200-27725-2

Matrix: Air Lab File ID: 13349-011.D

Analysis Method: TO-15 Date Collected: 04/23/2015 11:50

Sample wt/vol: 40(mL) Date Analyzed: 04/29/2015 19:17

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.: 87597 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	2.3	J D	12	1.4
75-45-6	Freon 22	86.47	1.4	J D	8.8	1.4
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	2.8	U	7.0	1.8
74-87-3	Chloromethane	50.49	2.1	U	5.2	0.62
106-97-8	n-Butane	58.12	2.4	U	5.9	2.1
75-01-4	Vinyl chloride	62.50	0.38	U	2.6	0.33
106-99-0	1,3-Butadiene	54.09	0.88	U	2.2	0.40
74-83-9	Bromomethane	94.94	1.6	U	3.9	0.85
75-00-3	Chloroethane	64.52	1.1	U	6.6	0.80
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.66	U	4.4	0.44
75-69-4	Trichlorofluoromethane	137.37	3.4	J D	5.6	1.3
76-13-1	Freon TF	187.38	3.1	U	7.7	1.6
75-35-4	1,1-Dichloroethene	96.94	0.59	U	4.0	0.20
67-64-1	Acetone	58.08	41	J D	59	8.2
67-63-0	Isopropyl alcohol	60.10	7.9	J D	61	1.8
75-15-0	Carbon disulfide	76.14	5.7	J D	7.8	0.47
107-05-1	3-Chloropropene	76.53	3.1	U	7.8	2.5
75-09-2	Methylene Chloride	84.93	3.7	J D	8.7	2.1
75-65-0	tert-Butyl alcohol	74.12	3.0	U	76	1.8
1634-04-4	Methyl tert-butyl ether	88.15	0.54	U	3.6	0.40
156-60-5	trans-1,2-Dichloroethene	96.94	0.59	U	4.0	0.54
110-54-3	n-Hexane	86.17	0.53	U	3.5	0.49
75-34-3	1,1-Dichloroethane	98.96	0.61	U	4.0	0.57
78-93-3	Methyl Ethyl Ketone	72.11	33	D	7.4	1.4
156-59-2	cis-1,2-Dichloroethene	96.94	1.6	U	4.0	0.59
540-59-0	1,2-Dichloroethene, Total	96.94	1.6	U	4.0	1.1
67-66-3	Chloroform	119.38	2.0	U	4.9	0.93
109-99-9	Tetrahydrofuran	72.11	140	D	74	2.7
71-55-6	1,1,1-Trichloroethane	133.41	2.2	U	5.5	0.82
110-82-7	Cyclohexane	84.16	0.52	U	3.4	0.17
56-23-5	Carbon tetrachloride	153.81	0.94	U	6.3	0.35
540-84-1	2,2,4-Trimethylpentane	114.23	0.70	U	4.7	0.54
71-43-2	Benzene	78.11	3.3	D	3.2	0.46
107-06-2	1,2-Dichloroethane	98.96	1.6	U	4.0	1.1

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

Lab Name: TestAmerica Burlington Job No.: 200-27725-1

SDG No.:

Client Sample ID: 101VMP0201GA Lab Sample ID: 200-27725-2

Matrix: Air Lab File ID: 13349-011.D

Analysis Method: TO-15 Date Collected: 04/23/2015 11:50

Sample wt/vol: 40(mL) Date Analyzed: 04/29/2015 19:17

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.: 87597 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	0.76
79-01-6	Trichloroethene	131.39	120	D	5.4	0.81
80-62-6	Methyl methacrylate	100.12	4.1	U	10	2.0
78-87-5	1,2-Dichloropropane	112.99	1.8	U	4.6	0.81
123-91-1	1,4-Dioxane	88.11	3.6	U	90	2.9
75-27-4	Bromodichloromethane	163.83	1.0	U	6.7	0.97
10061-01-5	cis-1,3-Dichloropropene	110.97	0.68	U	4.5	0.66
108-10-1	methyl isobutyl ketone	100.16	4.3	J D	10	3.7
108-88-3	Toluene	92.14	170	D	3.8	0.47
10061-02-6	trans-1,3-Dichloropropene	110.97	0.68	U	4.5	0.59
79-00-5	1,1,2-Trichloroethane	133.41	2.2	U	5.5	1.0
127-18-4	Tetrachloroethene	165.83	10	D	6.8	1.0
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	4.1	U	10	3.5
124-48-1	Dibromochloromethane	208.29	1.3	U	8.5	0.85
106-93-4	1,2-Dibromoethane	187.87	1.2	U	7.7	0.69
108-90-7	Chlorobenzene	112.56	0.69	U	4.6	0.41
100-41-4	Ethylbenzene	106.17	390	D	4.3	0.43
179601-23-1	m,p-Xylene	106.17	1600	D	11	0.54
95-47-6	Xylene, o-	106.17	460	D	4.3	0.39
1330-20-7	Xylene (total)	106.17	2100		4.3	0.89
100-42-5	Styrene	104.15	6.4	D	4.3	0.34
75-25-2	Bromoform	252.75	1.6	U	10	1.3
98-82-8	Cumene	120.19	0.74	U	4.9	0.47
79-34-5	1,1,2,2-Tetrachloroethane	167.85	2.7	U	6.9	1.2
103-65-1	n-Propylbenzene	120.19	0.74	U	4.9	0.66
622-96-8	4-Ethyltoluene	120.20	15	D	4.9	0.49
108-67-8	1,3,5-Trimethylbenzene	120.20	20	D	4.9	0.47
95-49-8	2-Chlorotoluene	126.59	2.1	U	5.2	0.80
98-06-6	tert-Butylbenzene	134.22	0.82	U	5.5	0.55
95-63-6	1,2,4-Trimethylbenzene	120.20	36	D	4.9	0.39
135-98-8	sec-Butylbenzene	134.22	0.82	U	5.5	0.58
99-87-6	4-Isopropyltoluene	134.22	2.6	J D	5.5	0.55
541-73-1	1,3-Dichlorobenzene	147.00	0.90	U	6.0	0.60
106-46-7	1,4-Dichlorobenzene	147.00	0.90	U	6.0	0.57

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

Lab Name: TestAmerica Burlington Job No.: 200-27725-1

SDG No.:

Client Sample ID: 101VMP0201GA Lab Sample ID: 200-27725-2

Matrix: Air Lab File ID: 13349-011.D

Analysis Method: TO-15 Date Collected: 04/23/2015 11:50

Sample wt/vol: 40(mL) Date Analyzed: 04/29/2015 19:17

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.: 87597 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	0.78	U	5.2	0.47
104-51-8	n-Butylbenzene	134.22	0.82	U	5.5	0.77
95-50-1	1,2-Dichlorobenzene	147.00	0.90	U	6.0	0.54
120-82-1	1,2,4-Trichlorobenzene	181.45	3.0	U	19	1.3
87-68-3	Hexachlorobutadiene	260.76	4.3	U	11	1.9
91-20-3	Naphthalene	128.17	2.1	U	13	0.79

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHX.i\20150429-13349.b\13349-011.D
Lims ID: 200-27725-A-2 Lab Sample ID: 200-27725-2
Client ID: 101VMP0201GA
Sample Type: Client
Inject. Date: 29-Apr-2015 19:17:30 ALS Bottle#: 10 Worklist Smp#: 11
Purge Vol: 200.000 mL Dil. Factor: 5.0000
Sample Info: 200-0013349-011
Misc. Info.: 27725-02
Operator ID: wrd Instrument ID: CHX.i

Method: \\BTV-LIMS1\ChromData\CHX.i\20150429-13349.b\TO15_LLNJ_TO3_CHX.i.m.m
Limit Group: AI_TO15_ICAL
Last Update: 30-Apr-2015 08:55:06 Calib Date: 20-Mar-2015 00:18:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHX.i\20150319-12677.b\12677-011.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK004

First Level Reviewer: lyonsb Date: 30-Apr-2015 08:28:05

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	3.113	3.113	0.000	98	6597	0.0942	
3 Chlorodifluoromethane	51	3.161	3.167	-0.006	96	2749	0.0809	
4 1,2-Dichloro-1,1,2,2-tetra	85		3.375				ND	
5 Chloromethane	50		3.520				ND	
6 Butane	43		3.712				ND	
7 Vinyl chloride	62		3.761				ND	
8 Butadiene	54		3.835				ND	
9 Bromomethane	94		4.510				ND	
10 Chloroethane	64		4.740				ND	
12 Vinyl bromide	106		5.125				ND	
13 Trichlorofluoromethane	101	5.210	5.216	-0.006	97	9035	0.1195	
18 1,1,2-Trichloro-1,2,2-trif	101		6.270				ND	
20 1,1-Dichloroethene	96		6.328				ND	
21 Acetone	43	6.569	6.575	-0.006	89	105210	3.42	
22 Carbon disulfide	76	6.719	6.724	-0.005	99	25621	0.3689	
23 Isopropyl alcohol	45	6.853	6.847	0.006	98	18475	0.6397	
24 3-Chloro-1-propene	41		7.115				ND	
26 Methylene Chloride	49	7.409	7.409	0.000	87	5438	0.2140	
28 2-Methyl-2-propanol	59		7.618				ND	
29 Methyl tert-butyl ether	73		7.794				ND	
30 trans-1,2-Dichloroethene	61		7.837				ND	
32 Hexane	57		8.206				ND	
33 1,1-Dichloroethane	63		8.720				ND	
35 cis-1,2-Dichloroethene	96		9.838				ND	
36 2-Butanone (MEK)	72	9.881	9.886	-0.005	98	36739	2.23	
S 38 1,2-Dichloroethene, Total	61		10.000				ND	
39 Tetrahydrofuran	42	10.293	10.298	-0.005	89	221553	9.61	
* 40 Chlorobromomethane	128	10.303	10.314	-0.011	80	335508	10.0	
41 Chloroform	83		10.437				ND	
42 Cyclohexane	84		10.678				ND	
43 1,1,1-Trichloroethane	97		10.715				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
44 Carbon tetrachloride	117		10.967				ND	
45 Isooctane	57		11.395				ND	
46 Benzene	78	11.443	11.448	-0.005	94	19715	0.2073	
47 1,2-Dichloroethane	62		11.646				ND	
48 n-Heptane	43		11.785				ND	
* 50 1,4-Difluorobenzene	114	12.299	12.304	-0.005	93	1625174	10.0	
52 Trichloroethene	95	12.780	12.786	-0.006	96	196733	4.34	
53 1,2-Dichloropropane	63		13.379				ND	
54 Methyl methacrylate	69		13.529				ND	
55 1,4-Dioxane	88		13.593				ND	
57 Dichlorobromomethane	83		13.957				ND	
58 cis-1,3-Dichloropropene	75		14.931				ND	
61 4-Methyl-2-pentanone (MIBK	43	15.220	15.220	0.000	94	13043	0.2109	
62 Toluene	92	15.530	15.535	-0.005	93	672821	9.24	
67 trans-1,3-Dichloropropene	75		16.156				ND	
68 1,1,2-Trichloroethane	83		16.546				ND	
69 Tetrachloroethene	166	16.643	16.637	0.006	97	21844	0.2985	
70 2-Hexanone	43		16.985				ND	
71 Chlorodibromomethane	129		17.327				ND	
72 Ethylene Dibromide	107		17.611				ND	
* 73 Chlorobenzene-d5	117	18.515	18.520	-0.005	84	1440538	10.0	
74 Chlorobenzene	112		18.579				ND	
75 Ethylbenzene	91	18.718	18.724	-0.006	97	2866068	17.8	
77 m-Xylene & p-Xylene	106	18.975	18.975	0.000	100	4900463	73.5	
78 o-Xylene	106	19.783	19.783	0.000	95	1399074	21.2	
79 Styrene	104	19.831	19.836	-0.005	97	31162	0.3018	
S 80 Xylenes, Total	106				0		94.8	
81 Bromoform	173		20.243				ND	
82 Isopropylbenzene	105		20.414				ND	
* 83 4-Bromofluorobenzene	95	20.773	20.773	0.000	98	1018213	10.0	
85 1,1,2,2-Tetrachloroethane	83		21.040				ND	
86 N-Propylbenzene	91		21.094				ND	
89 4-Ethyltoluene	105	21.270	21.276	-0.006	99	121520	0.6238	
90 2-Chlorotoluene	91		21.297				ND	
91 1,3,5-Trimethylbenzene	105	21.372	21.372	0.000	93	136472	0.8285	
93 tert-Butylbenzene	119		21.848				ND	
94 1,2,4-Trimethylbenzene	105	21.934	21.939	-0.005	97	243440	1.47	
95 sec-Butylbenzene	105		22.158				ND	
96 4-Isopropyltoluene	119	22.356	22.356	0.000	96	19833	0.0945	
97 1,3-Dichlorobenzene	146		22.404				ND	
98 1,4-Dichlorobenzene	146		22.543				ND	
99 Benzyl chloride	91		22.747				ND	
101 n-Butylbenzene	91		22.950				ND	
102 1,2-Dichlorobenzene	146		23.105				ND	
104 1,2,4-Trichlorobenzene	180		25.759				ND	
105 Hexachlorobutadiene	225		25.940				ND	
106 Naphthalene	128		26.294				ND	

Reagents:

ATTO15GIS_00009 Amount Added: 20.00 Units: mL Run Reagent

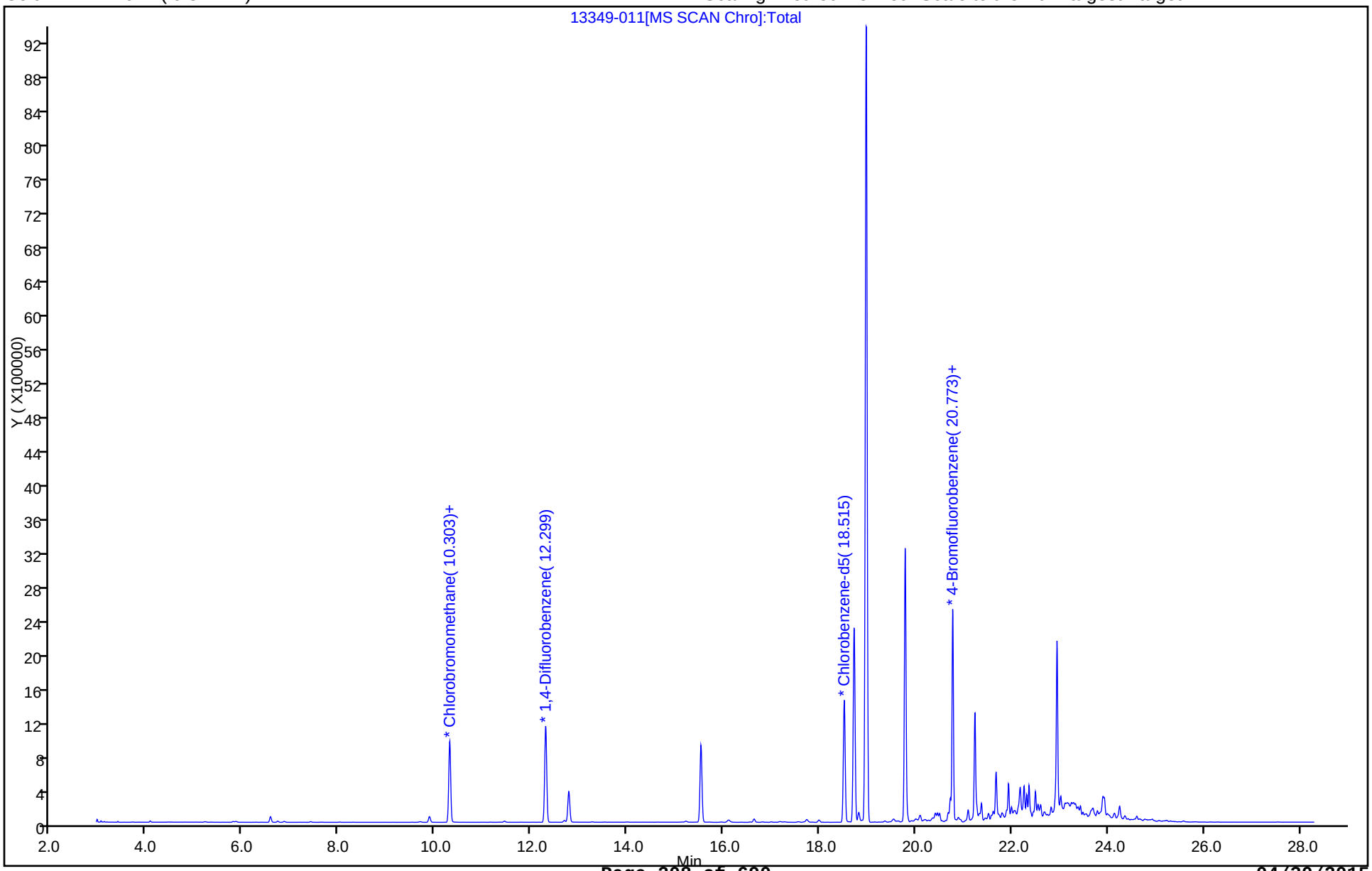
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TestAmerica Burlington

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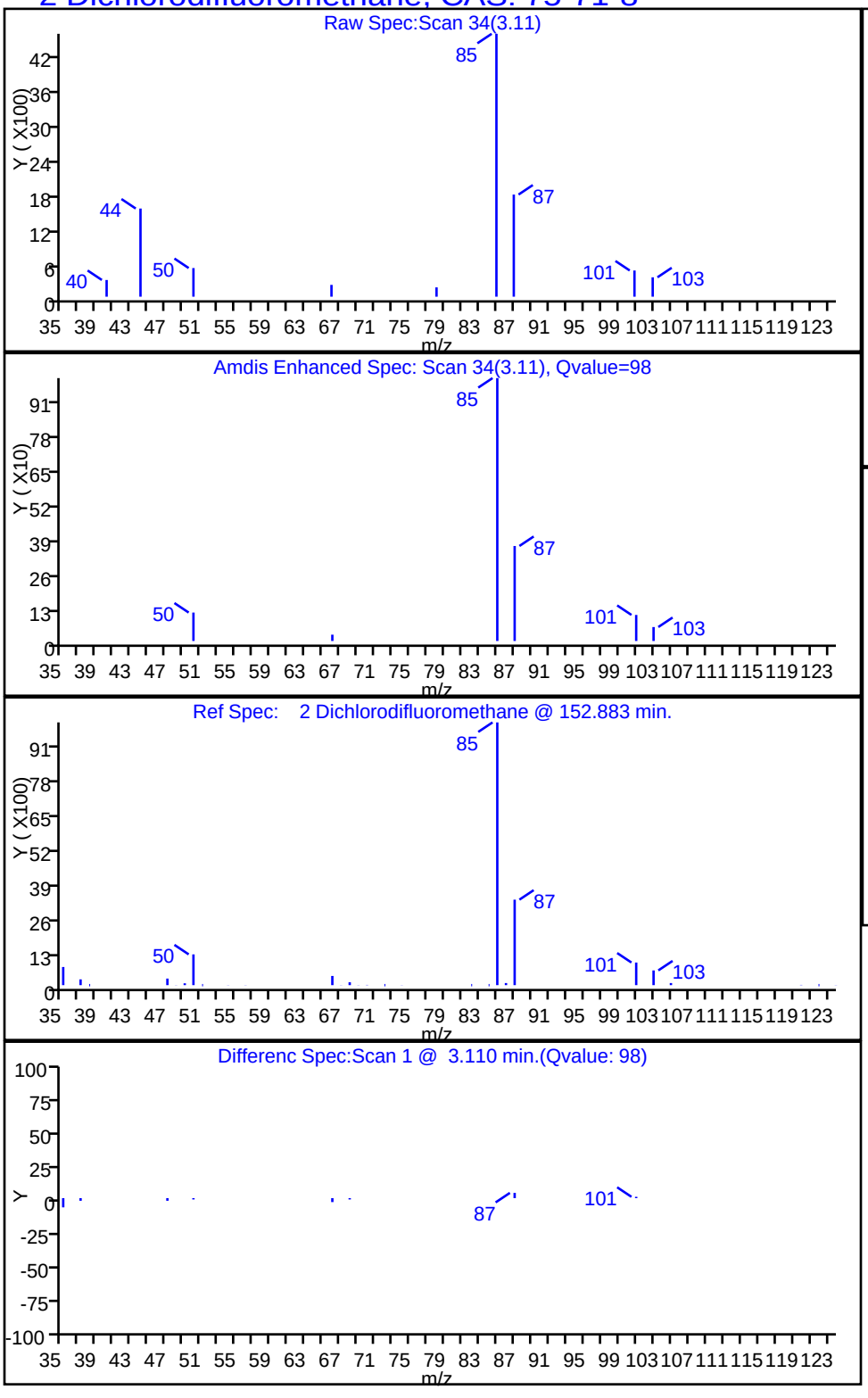
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Lims ID:	200-27725-A-2	Lab Sample ID:	200-27725-2	Worklist Smp#:	11
Client ID:	101VMP0201GA				
Purge Vol:	200.000 mL	Dil. Factor:	5.0000	ALS Bottle#:	10
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		

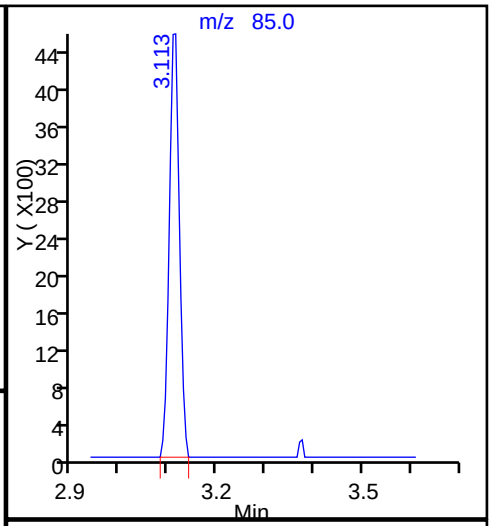
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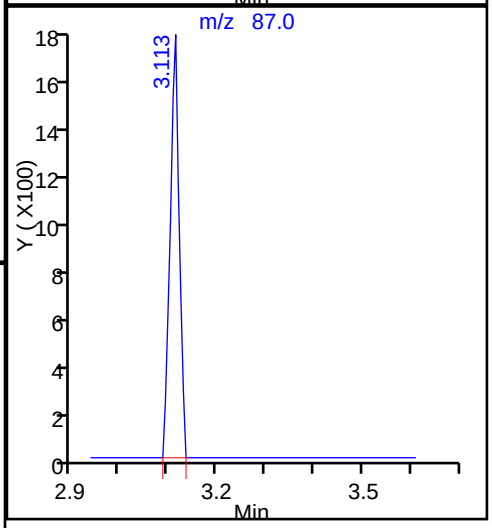


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Injection Date: 29-Apr-2015 19:17:30 Instrument ID: CHX.i
Lims ID: 200-27725-A-2 Lab Sample ID: 200-27725-2
Client ID: 101VMP0201GA
Operator ID: wrd ALS Bottle#: 10 Worklist Smp#: 11
Purge Vol: 200.000 mL Dil. Factor: 5.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

2 Dichlorodifluoromethane, CAS: 75-71-8





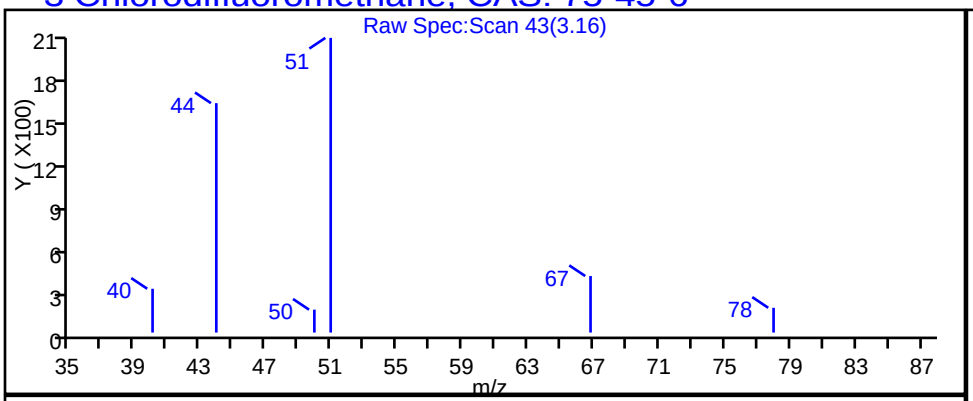


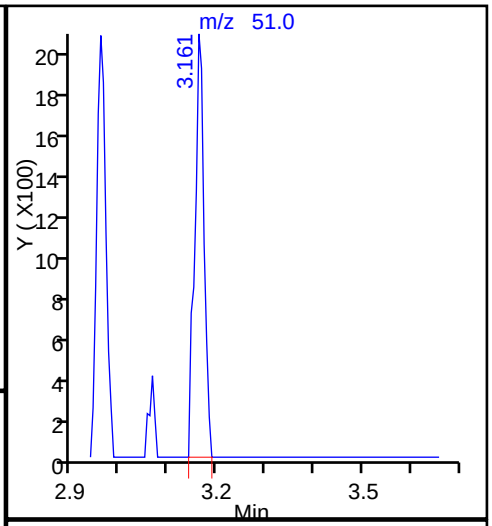
TestAmerica Burlington

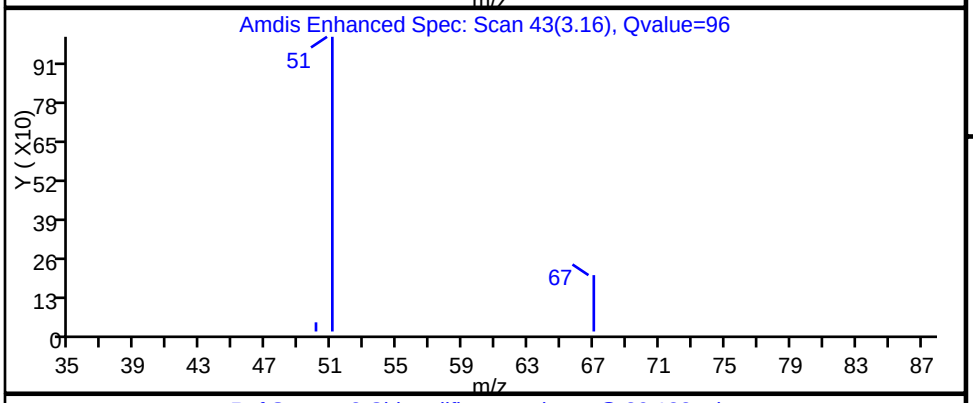
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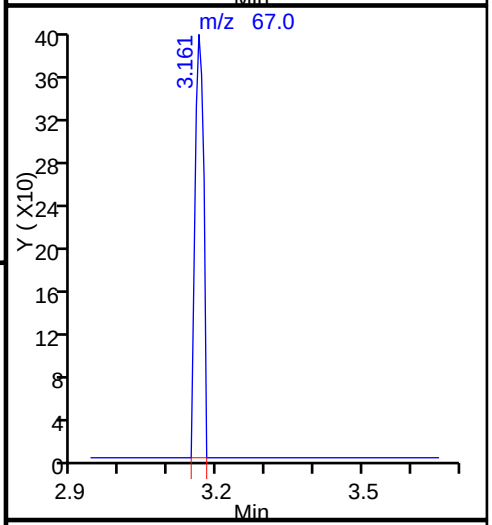
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Lims ID:	200-27725-A-2	Lab Sample ID:	200-27725-2		
Client ID:	101VMP0201GA				
Operator ID:	wrd	ALS Bottle#:	10	Worklist Smp#:	11
Purge Vol:	200.000 mL	Dil. Factor:	5.0000		
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

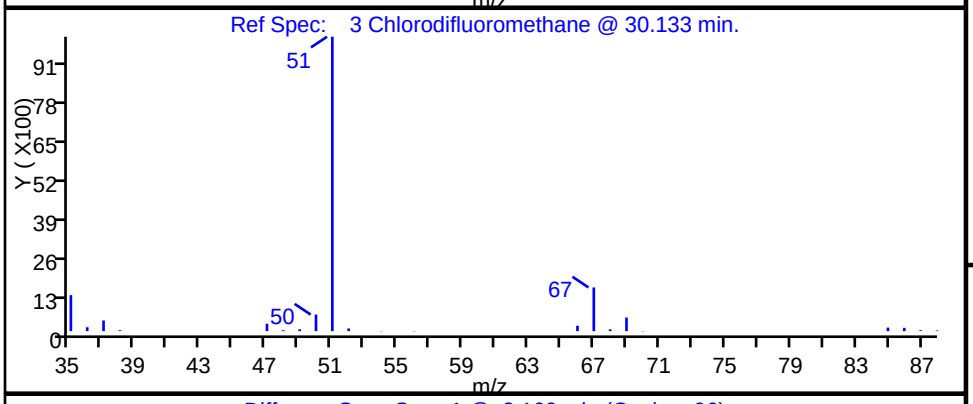
3 Chlorodifluoromethane, CAS: 75-45-6

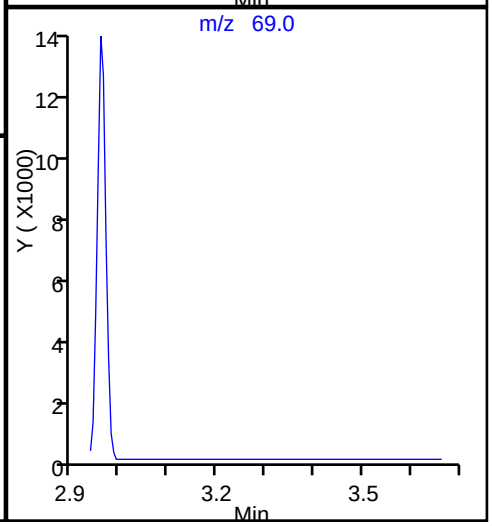


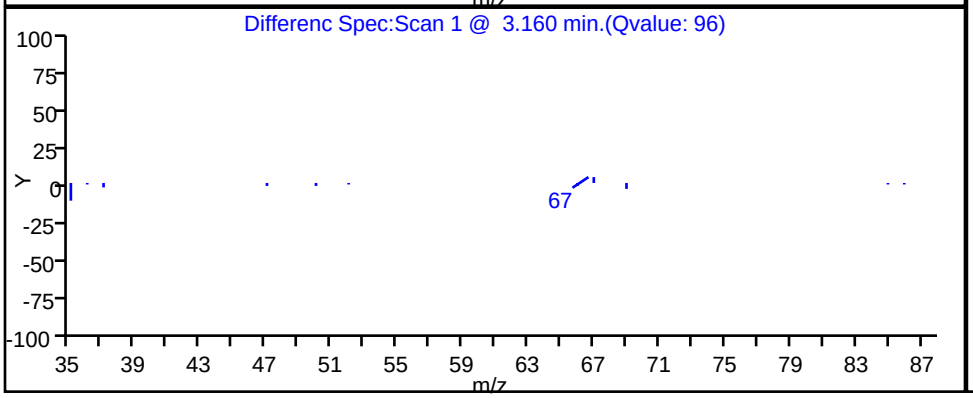






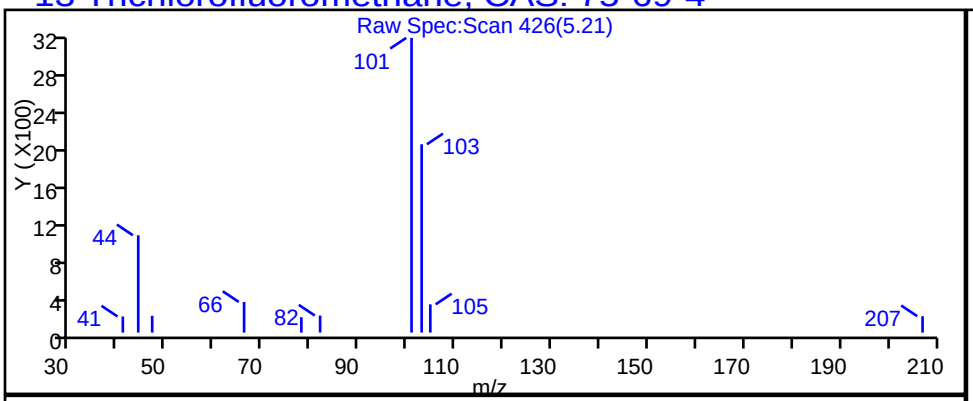


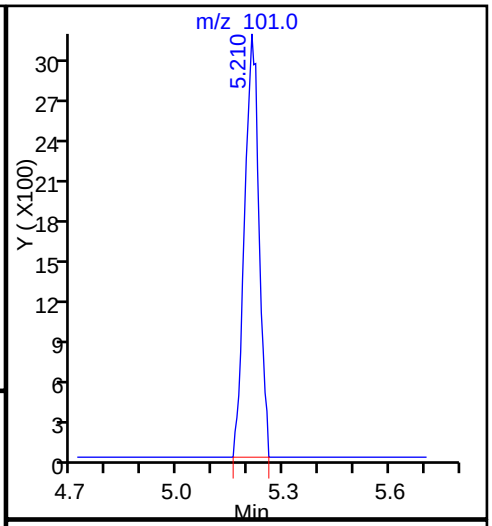


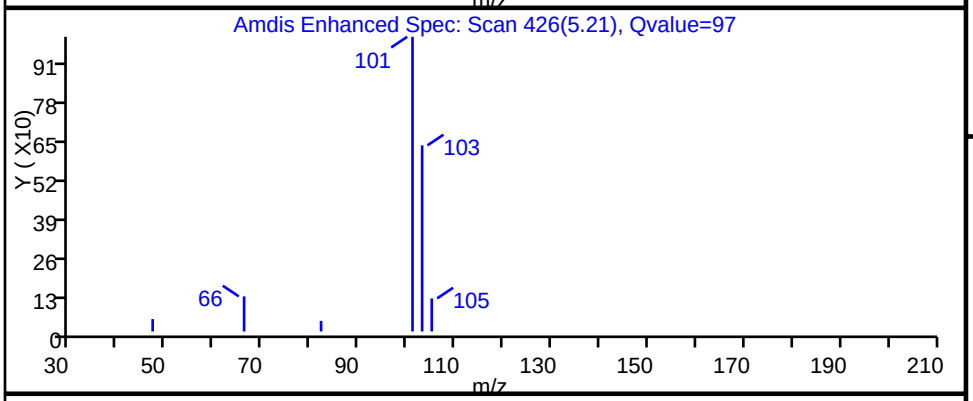


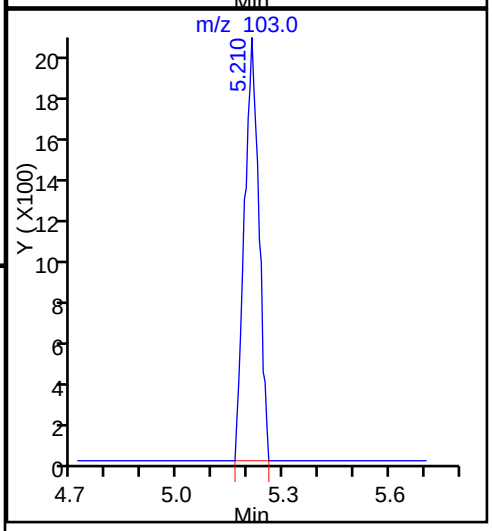
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Injection Date: 29-Apr-2015 19:17:30 Instrument ID: CHX.i
Lims ID: 200-27725-A-2 Lab Sample ID: 200-27725-2
Client ID: 101VMP0201GA
Operator ID: wrd ALS Bottle#: 10 Worklist Smp#: 11
Purge Vol: 200.000 mL Dil. Factor: 5.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

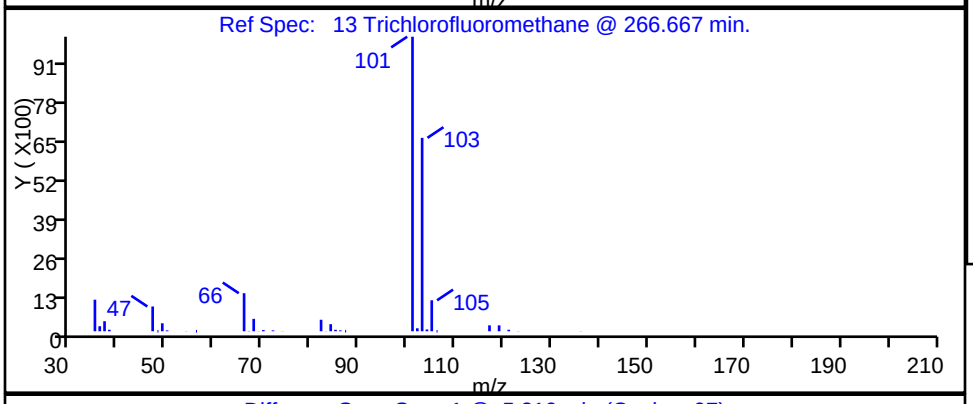
13 Trichlorofluoromethane, CAS: 75-69-4

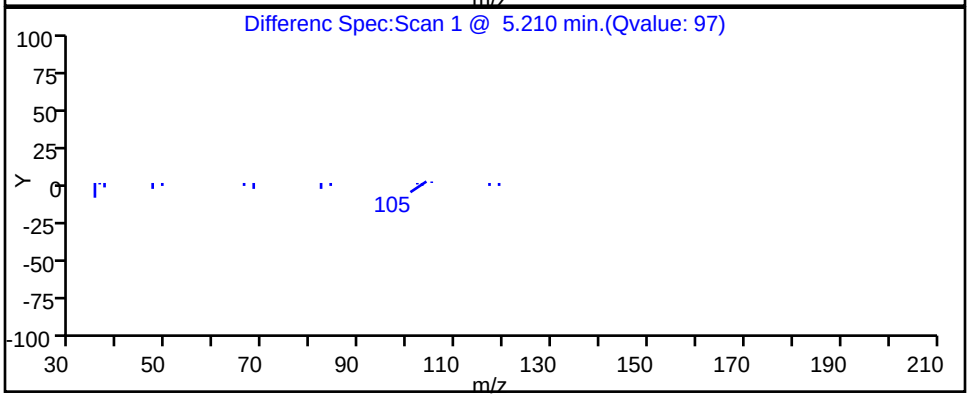






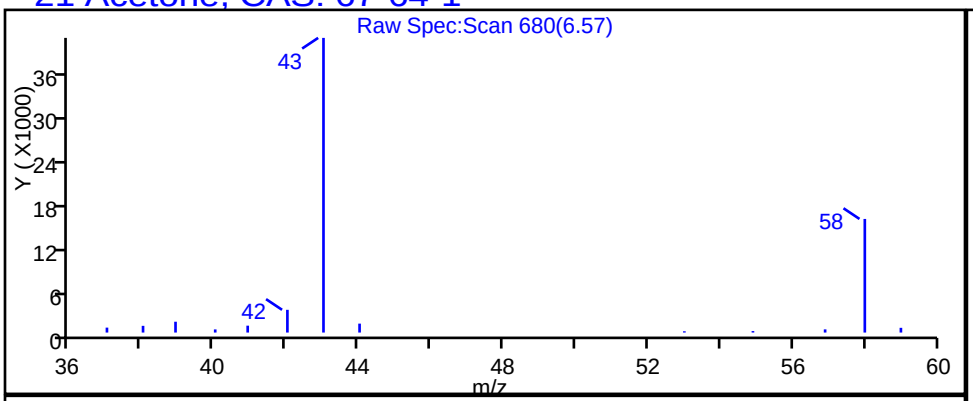


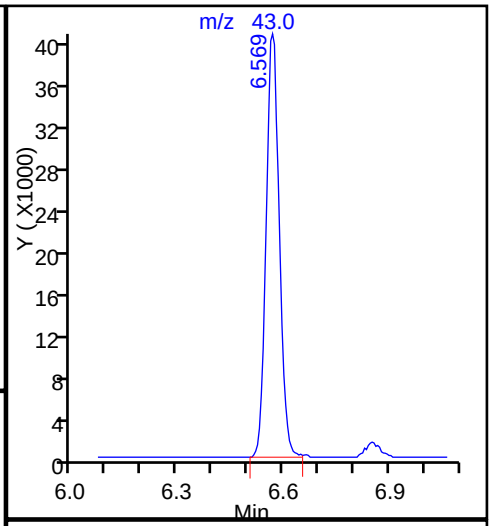


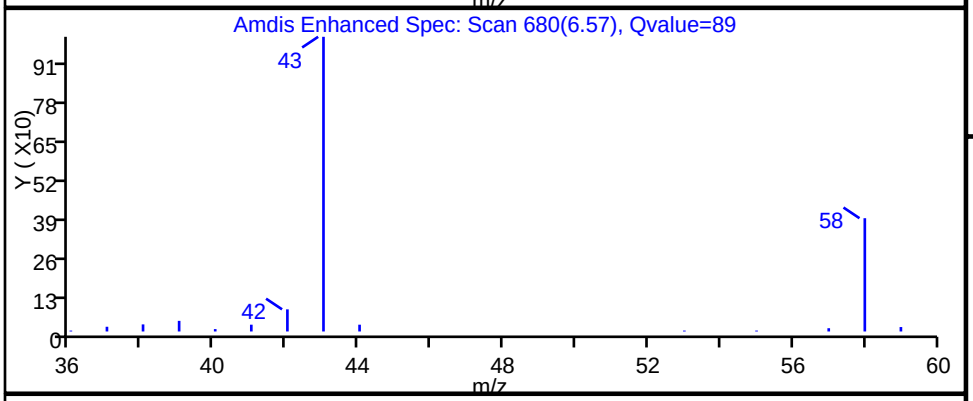


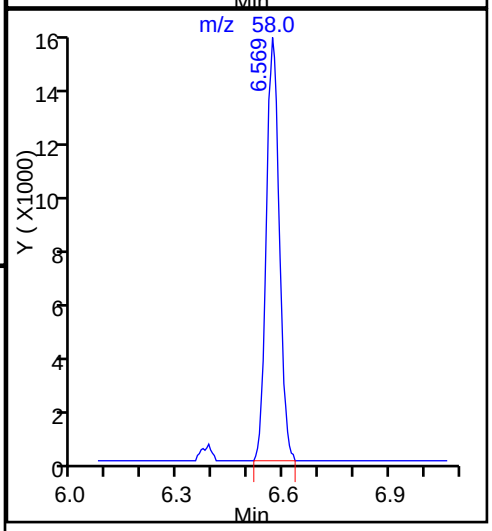
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Injection Date: 29-Apr-2015 19:17:30 Instrument ID: CHX.i
Lims ID: 200-27725-A-2 Lab Sample ID: 200-27725-2
Client ID: 101VMP0201GA
Operator ID: wrd ALS Bottle#: 10 Worklist Smp#: 11
Purge Vol: 200.000 mL Dil. Factor: 5.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

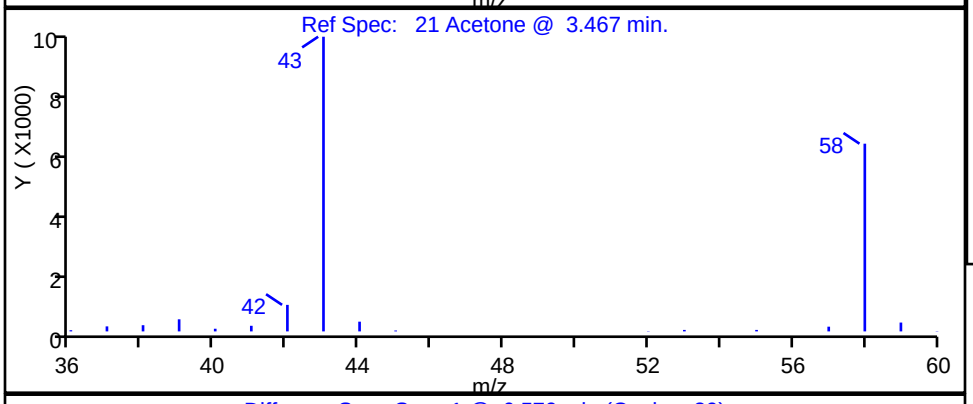
21 Acetone, CAS: 67-64-1

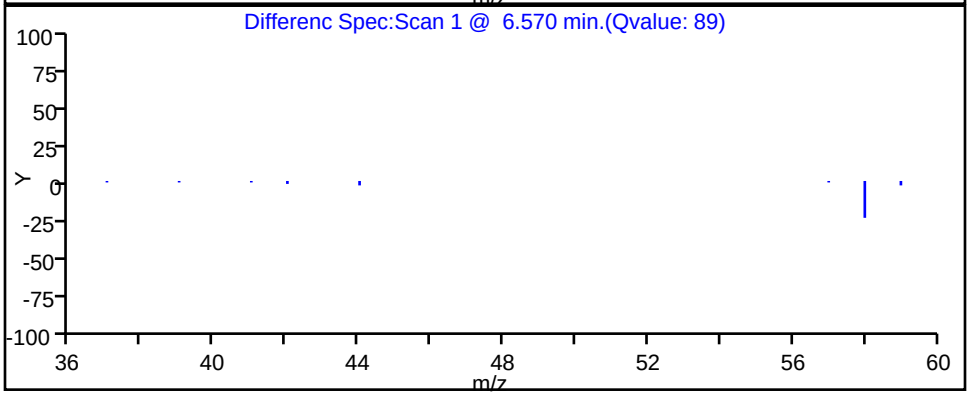






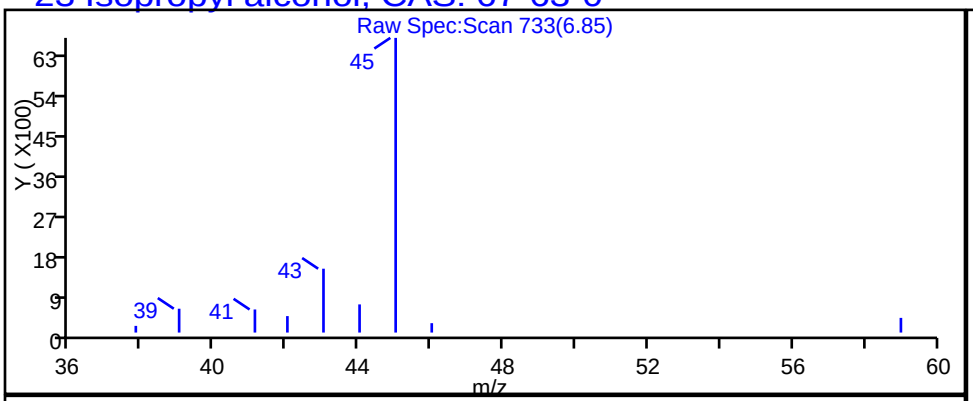


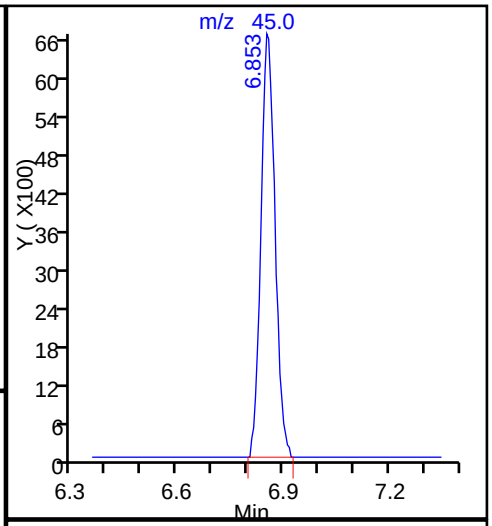


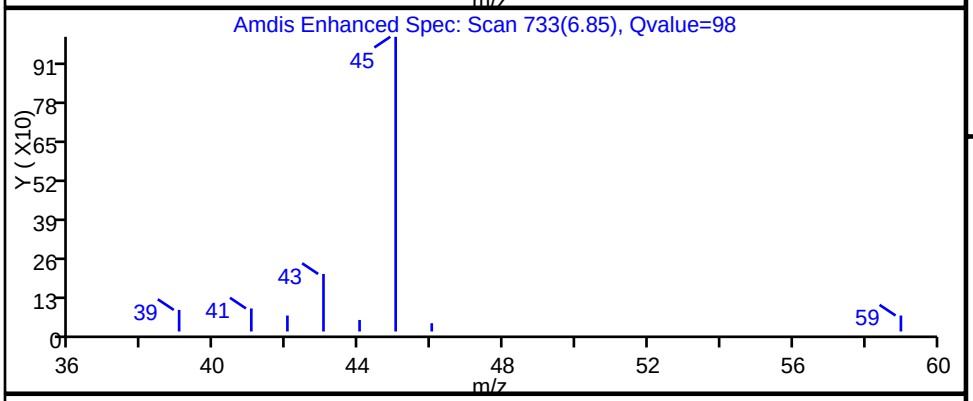


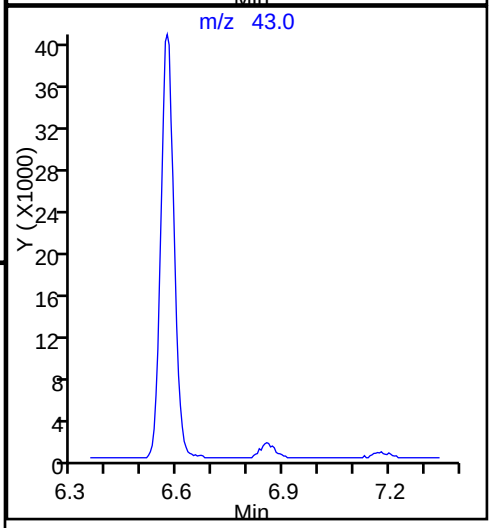
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Injection Date: 29-Apr-2015 19:17:30 Instrument ID: CHX.i
Lims ID: 200-27725-A-2 Lab Sample ID: 200-27725-2
Client ID: 101VMP0201GA
Operator ID: wrd ALS Bottle#: 10 Worklist Smp#: 11
Purge Vol: 200.000 mL Dil. Factor: 5.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

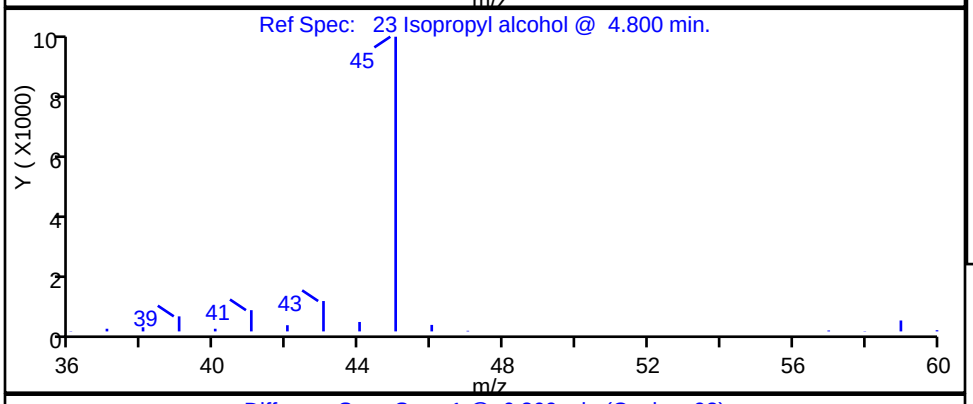
23 Isopropyl alcohol, CAS: 67-63-0

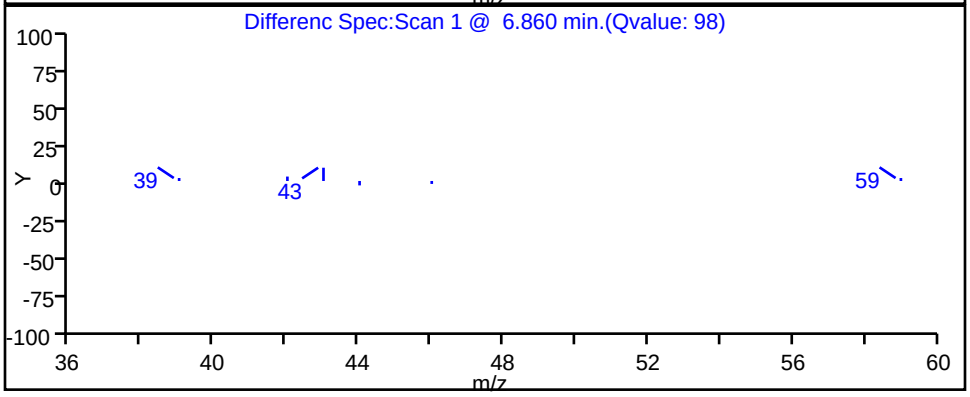






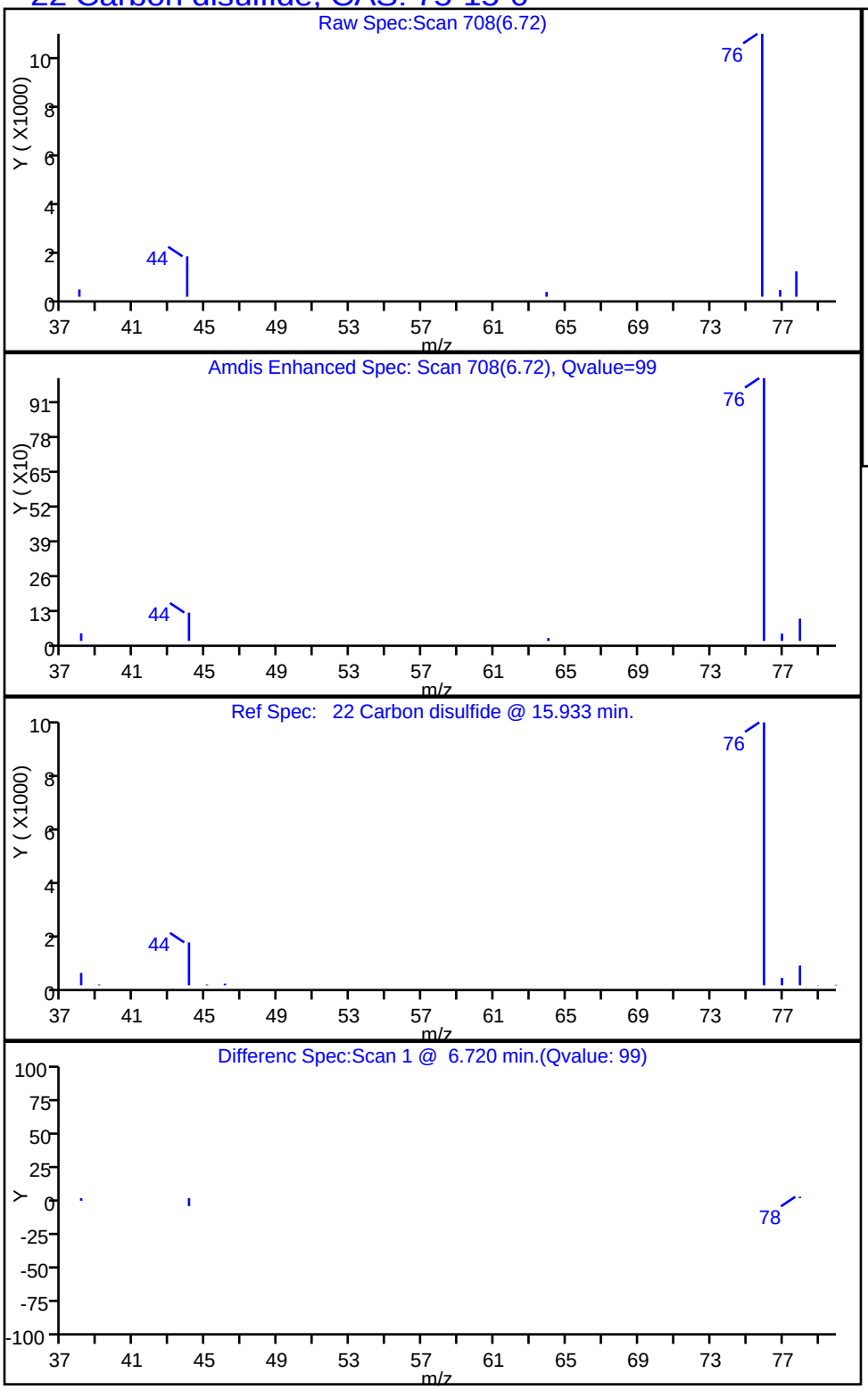


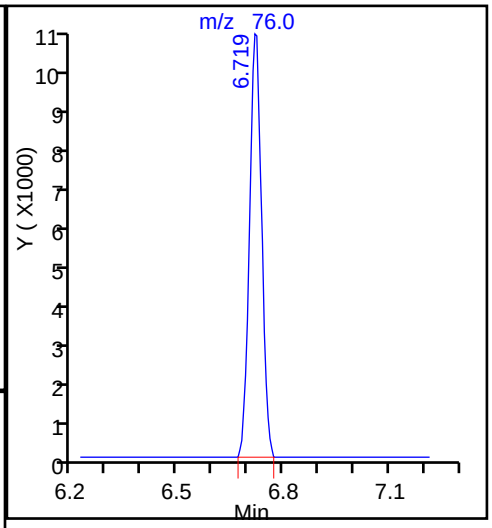




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Injection Date: 29-Apr-2015 19:17:30 Instrument ID: CHX.i
Lims ID: 200-27725-A-2 Lab Sample ID: 200-27725-2
Client ID: 101VMP0201GA
Operator ID: wrd ALS Bottle#: 10 Worklist Smp#: 11
Purge Vol: 200.000 mL Dil. Factor: 5.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

22 Carbon disulfide, CAS: 75-15-0

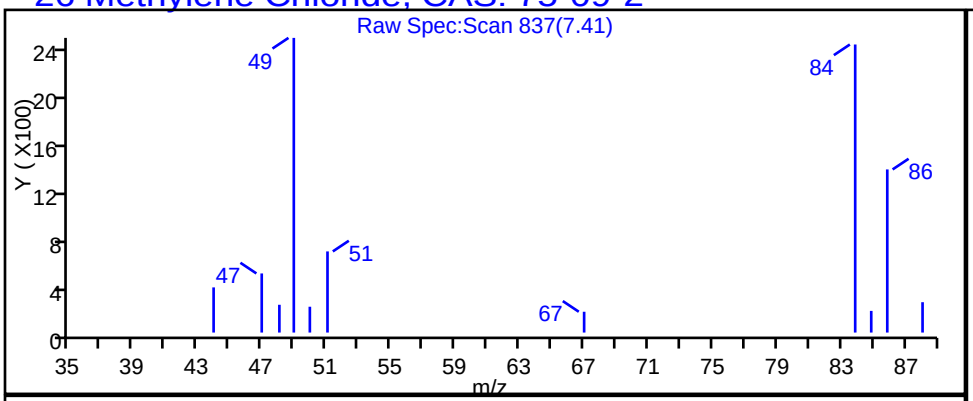


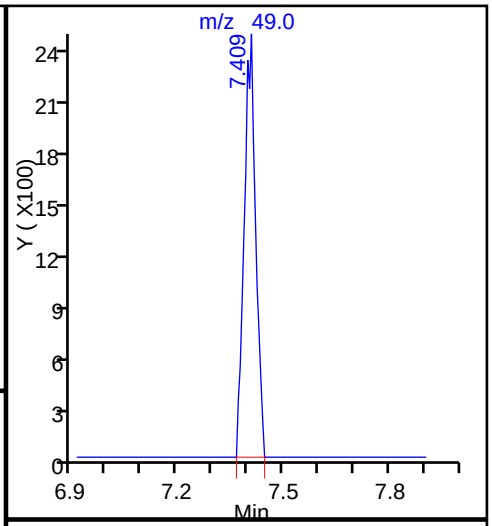


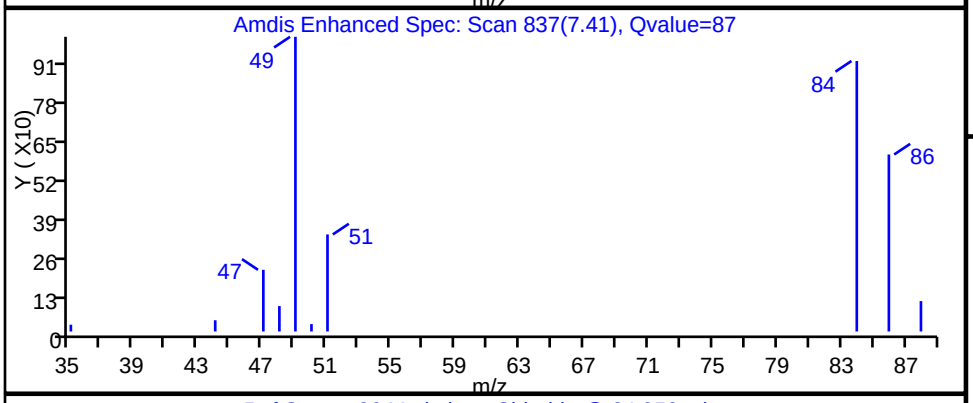
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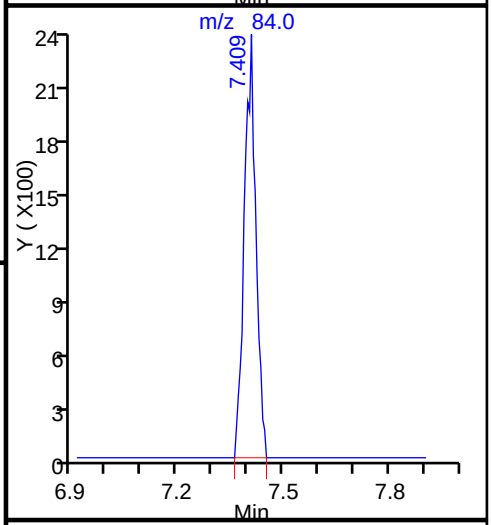
Data File: \\BTV-LIMS1\ChromData\CHX.i\20150429-13349.b\13349-011.D
Injection Date: 29-Apr-2015 19:17:30 Instrument ID: CHX.i
Lims ID: 200-27725-A-2 Lab Sample ID: 200-27725-2
Client ID: 101VMP0201GA
Operator ID: wrd ALS Bottle#: 10 Worklist Smp#: 11
Purge Vol: 200.000 mL Dil. Factor: 5.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

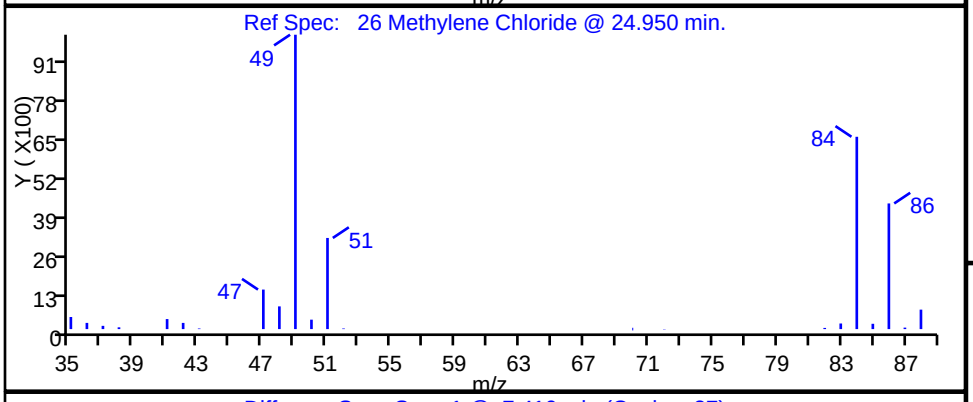
26 Methylene Chloride, CAS: 75-09-2

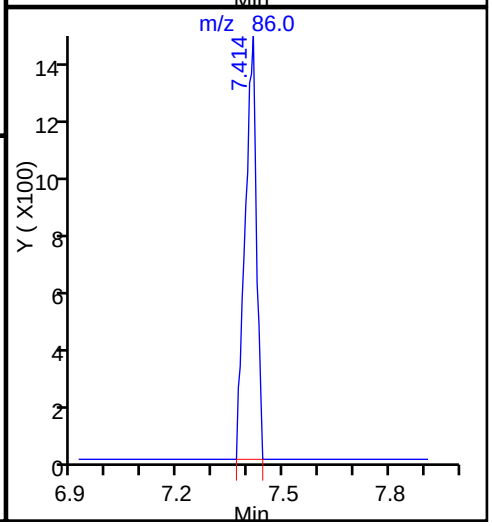


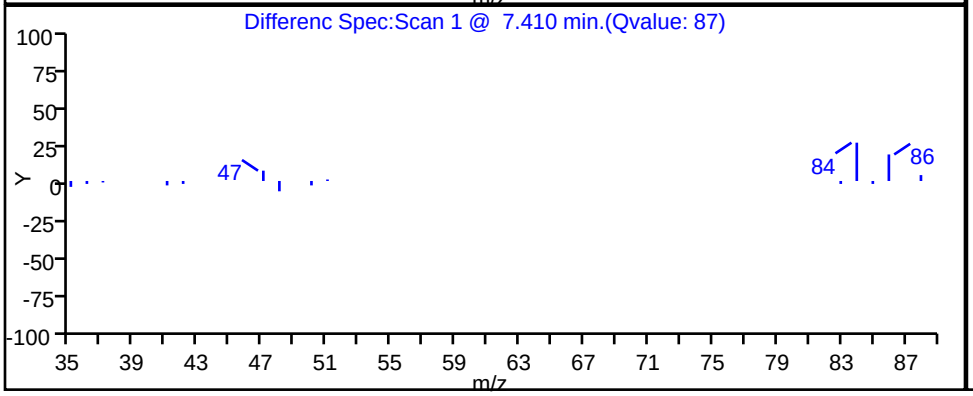






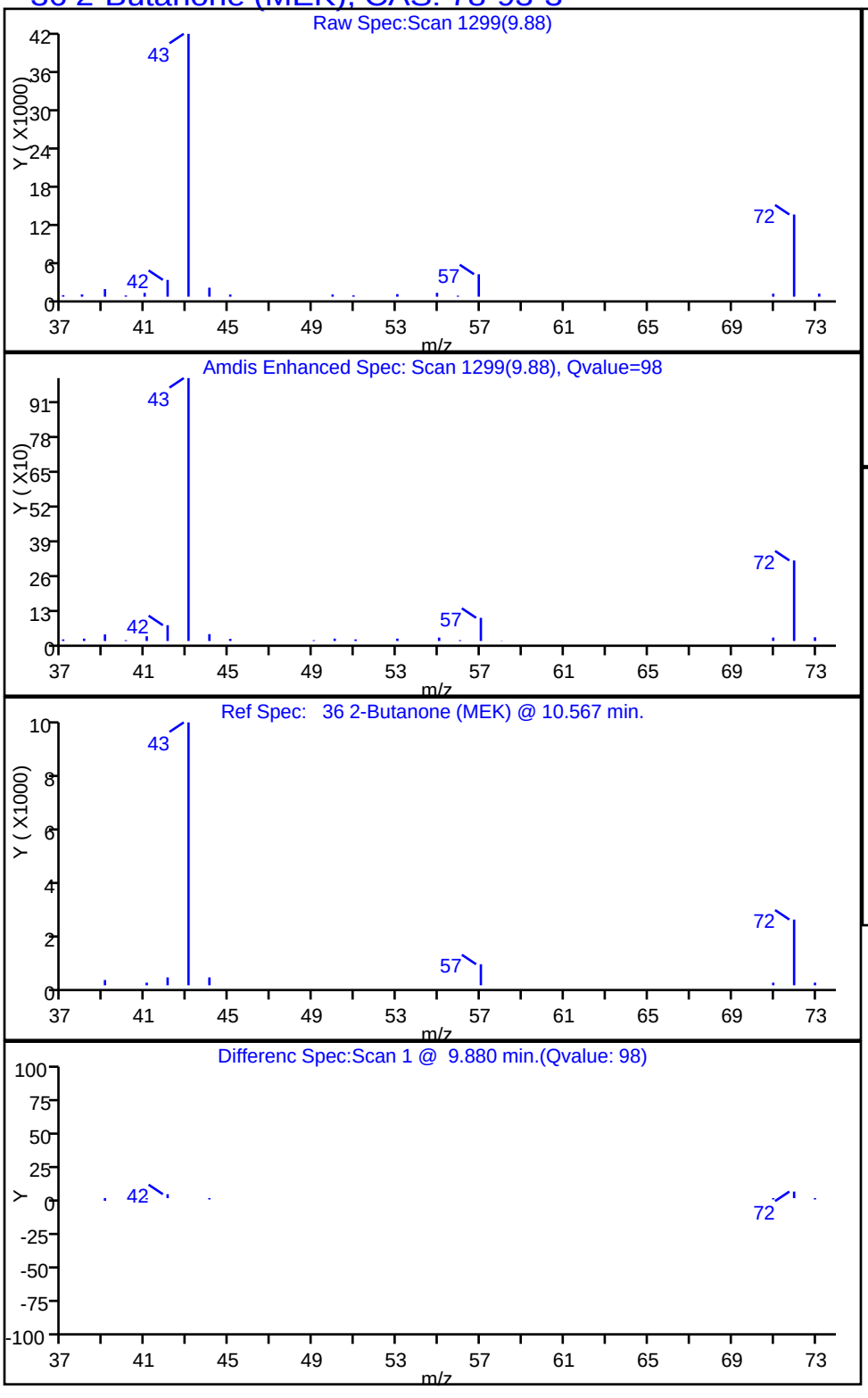


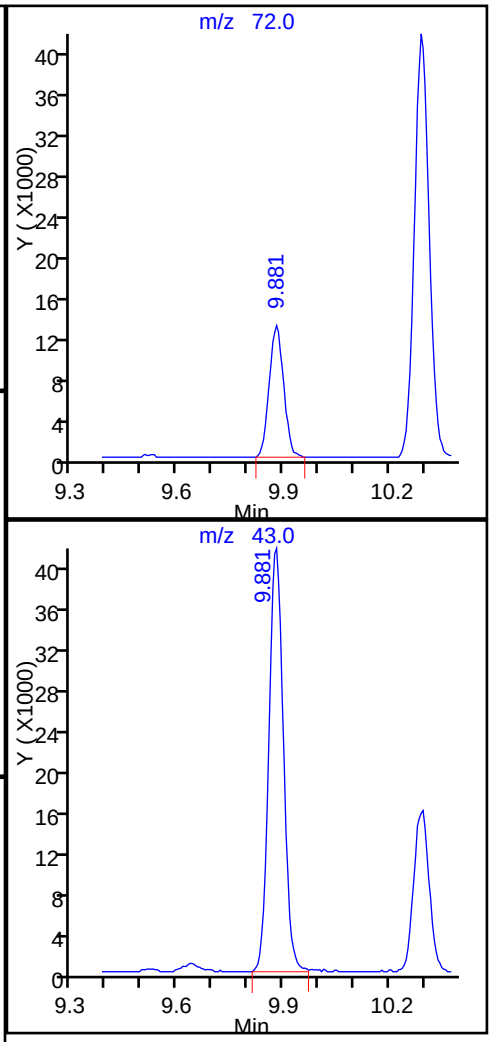




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Injection Date: 29-Apr-2015 19:17:30 Instrument ID: CHX.i
Lims ID: 200-27725-A-2 Lab Sample ID: 200-27725-2
Client ID: 101VMP0201GA
Operator ID: wrd ALS Bottle#: 10 Worklist Smp#: 11
Purge Vol: 200.000 mL Dil. Factor: 5.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

36 2-Butanone (MEK), CAS: 78-93-3

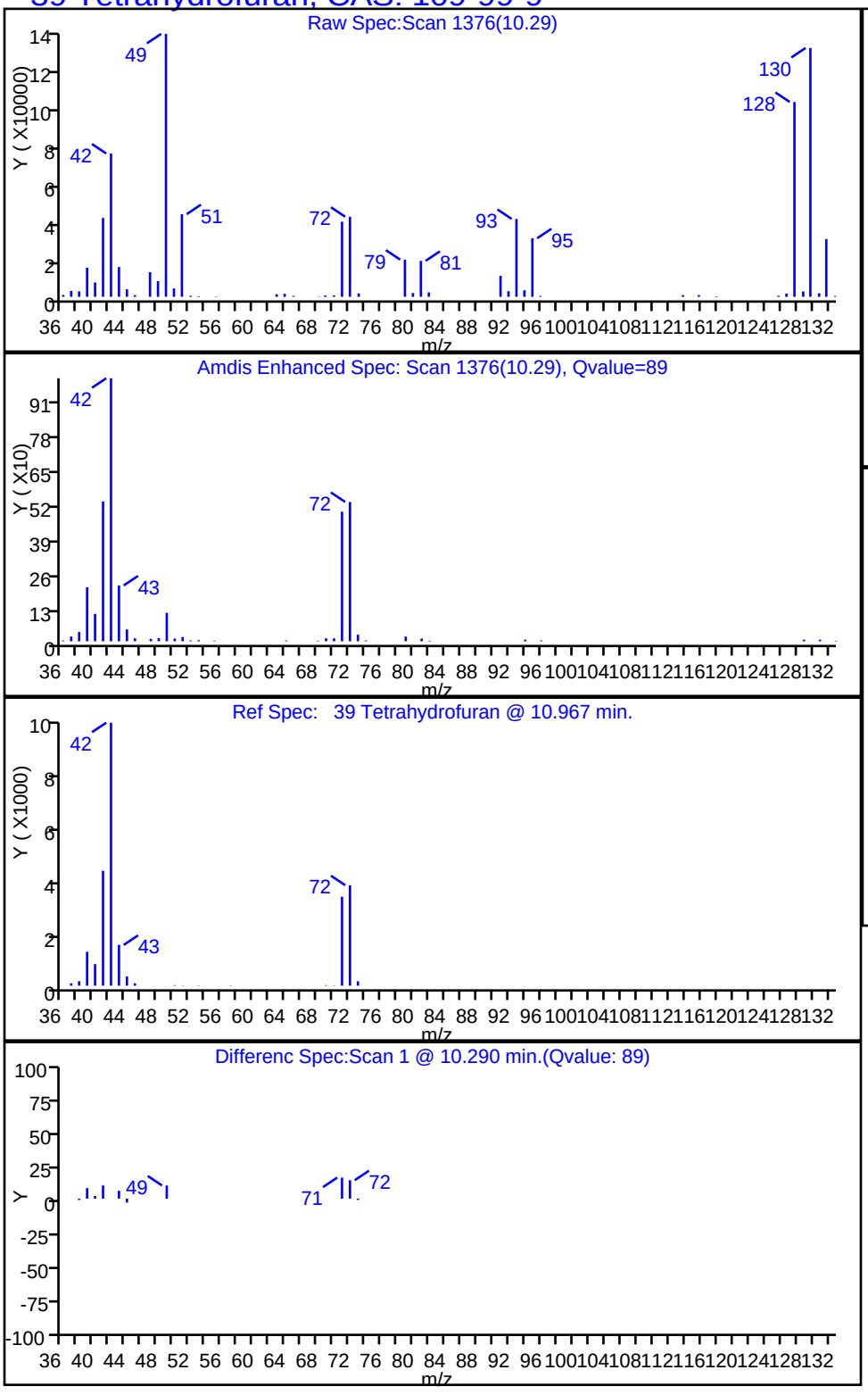


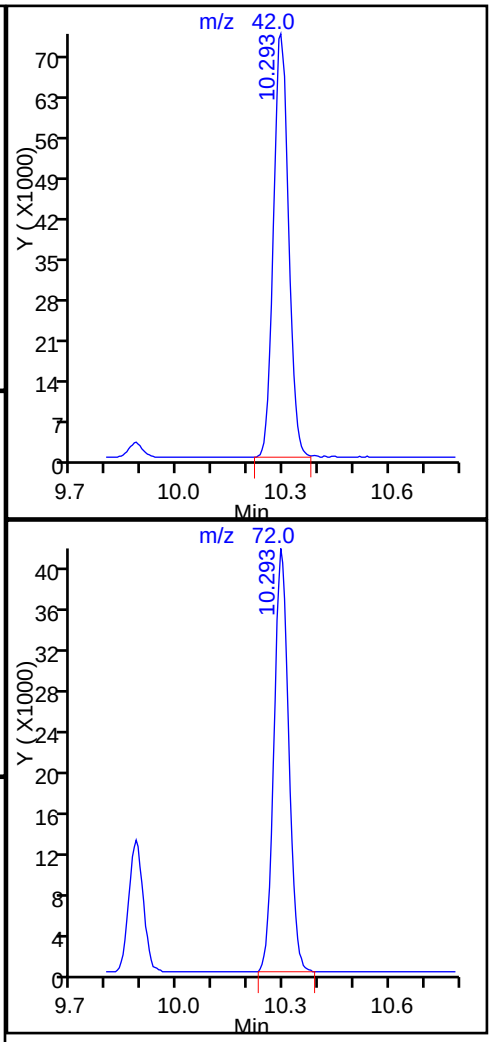


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Operator ID: wrd ALS Bottle#: 10 Worklist Smp#: 11
Purge Vol: 200.000 mL Dil. Factor: 5.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

39 Tetrahydrofuran, CAS: 109-99-9

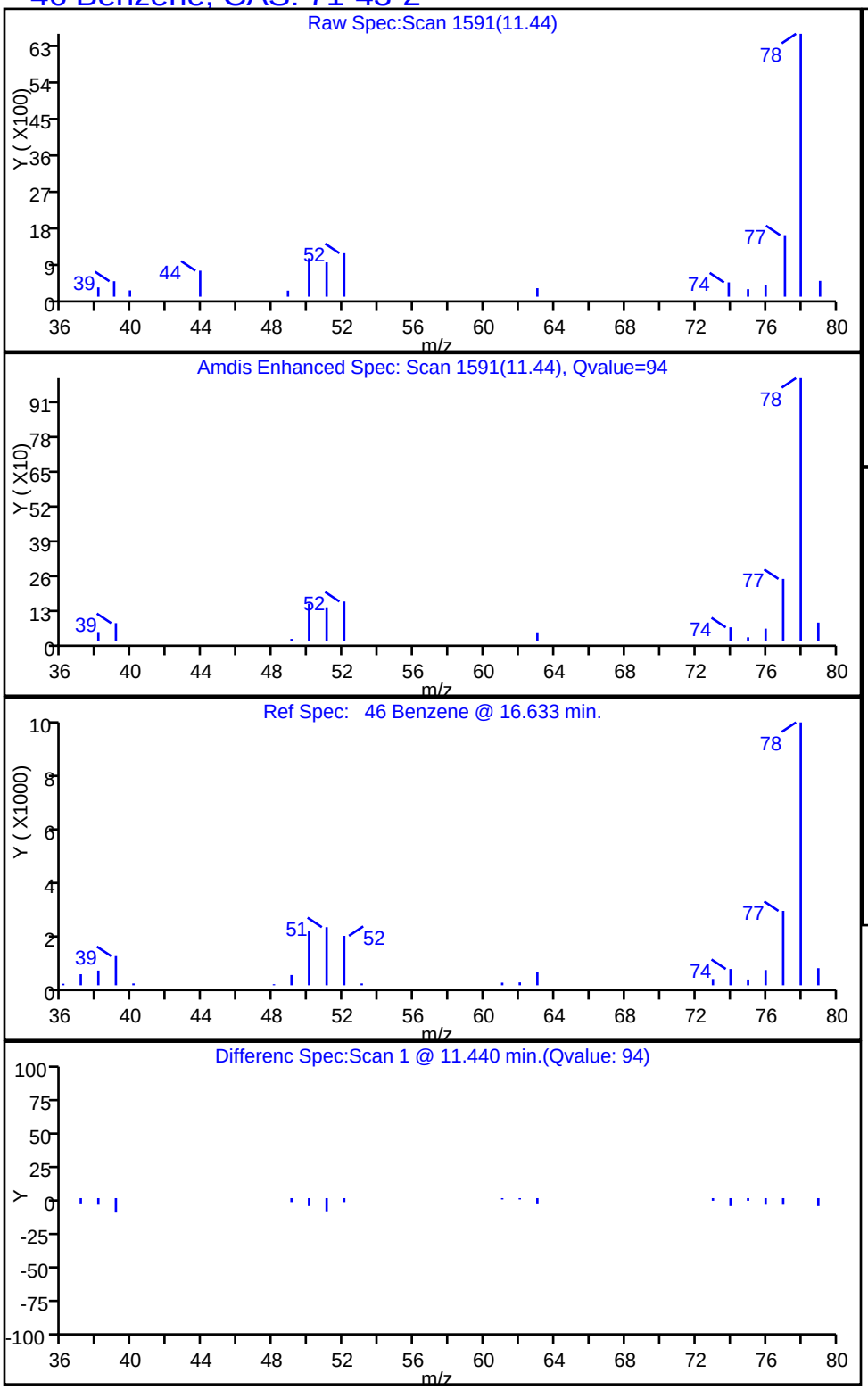


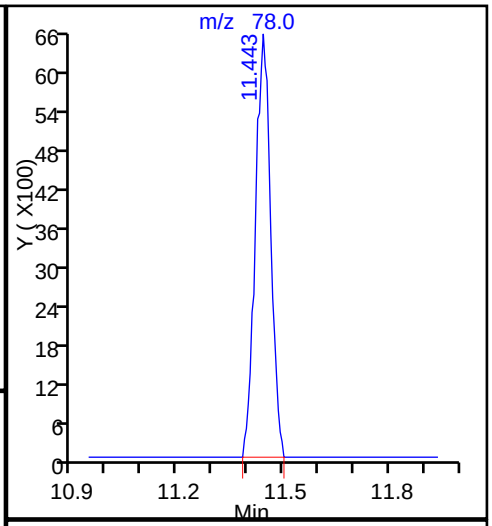


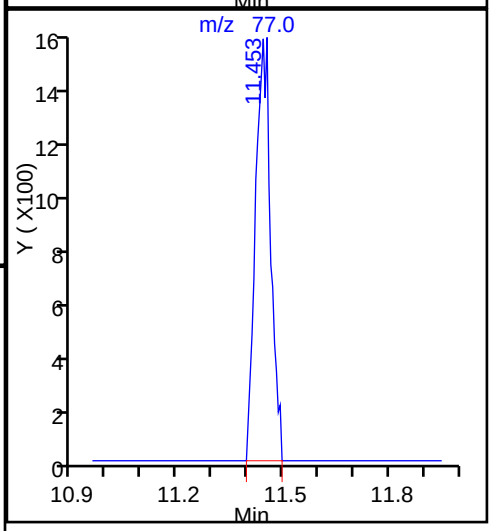
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Lims ID:	200-27725-A-2	Lab Sample ID:	200-27725-2		
Client ID:	101VMP0201GA				
Operator ID:	wrd	ALS Bottle#:	10	Worklist Smp#:	11
Purge Vol:	200.000 mL	Dil. Factor:	5.0000		
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

46 Benzene, CAS: 71-43-2



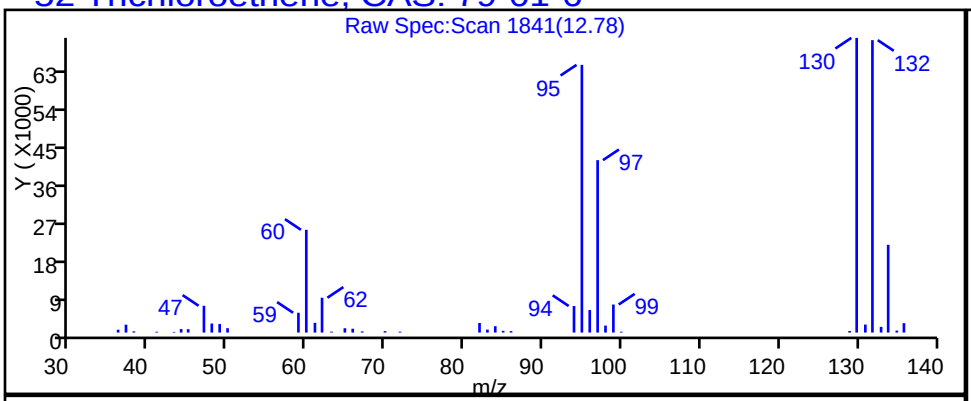


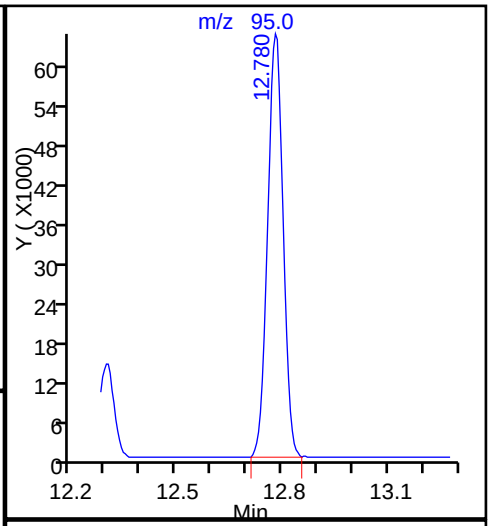


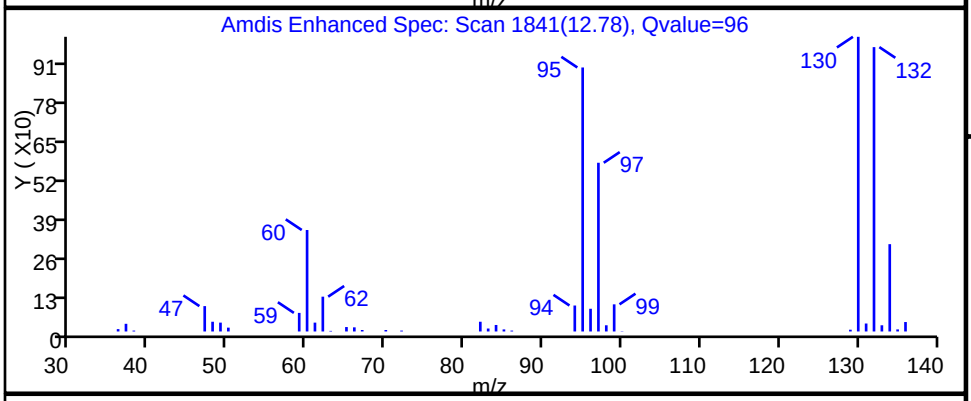
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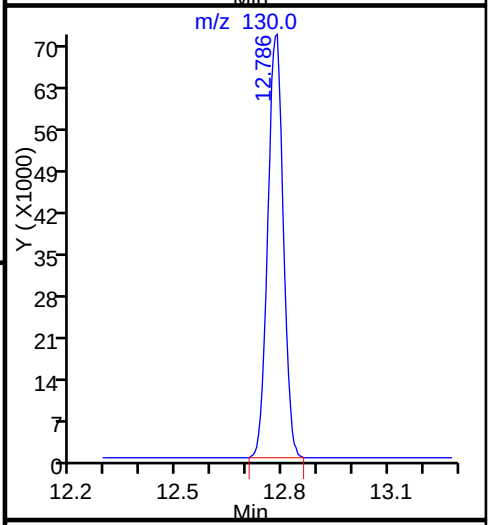
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Injection Date: 29-Apr-2015 19:17:30 Instrument ID: CHX.i
Lims ID: 200-27725-A-2 Lab Sample ID: 200-27725-2
Client ID: 101VMP0201GA
Operator ID: wrd ALS Bottle#: 10 Worklist Smp#: 11
Purge Vol: 200.000 mL Dil. Factor: 5.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

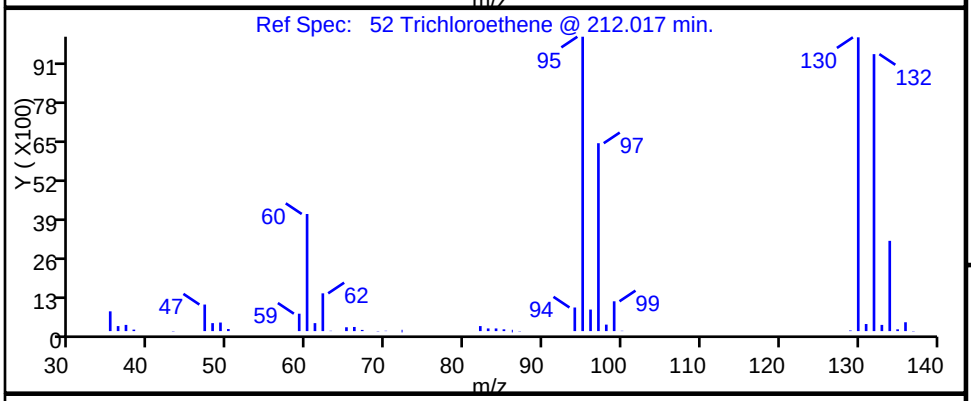
52 Trichloroethene, CAS: 79-01-6

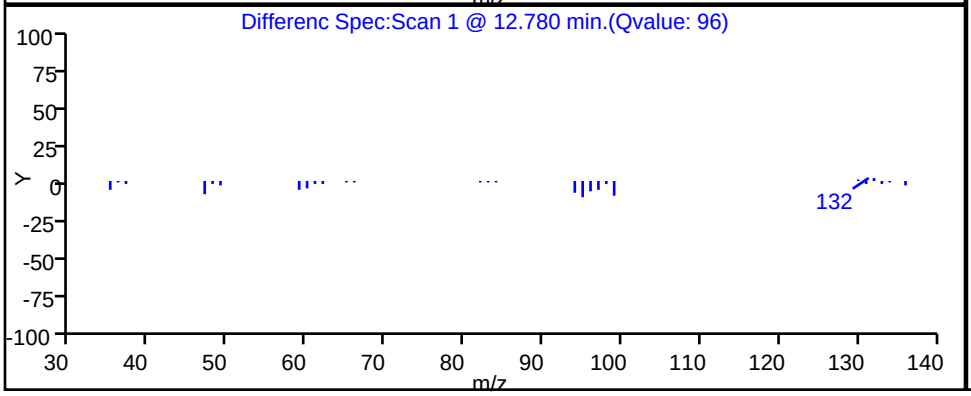


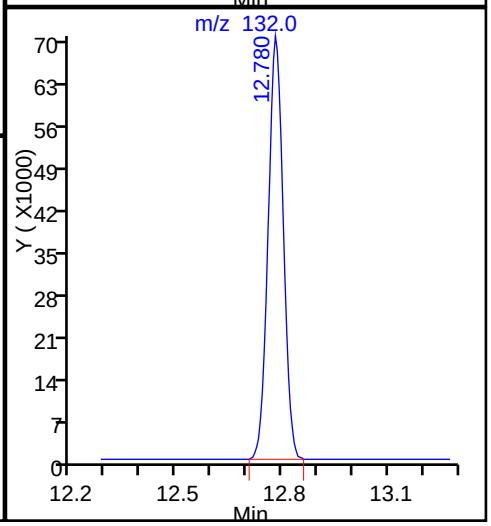






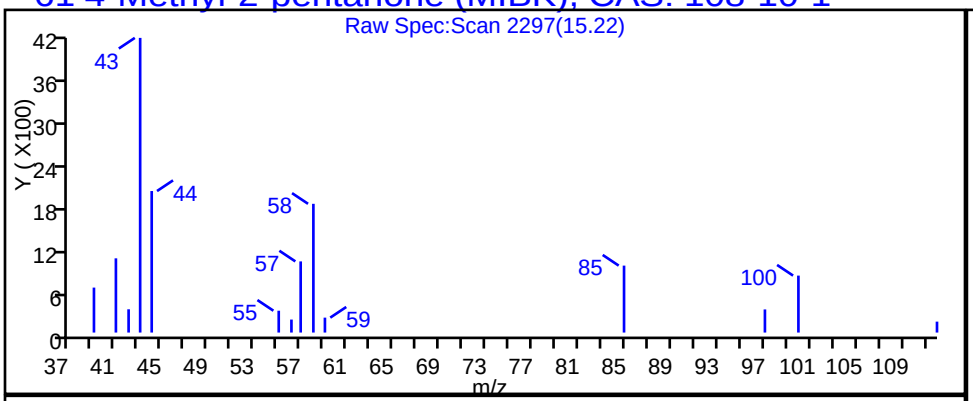


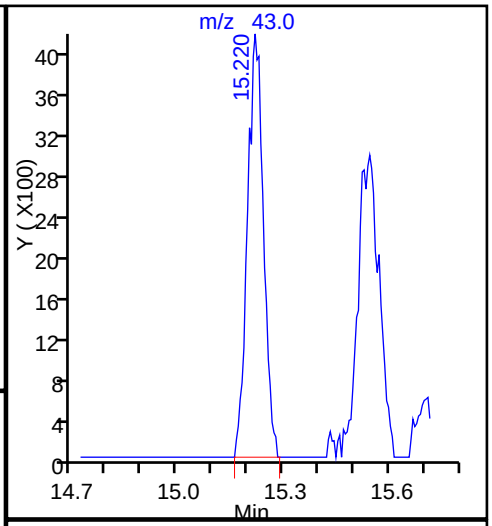


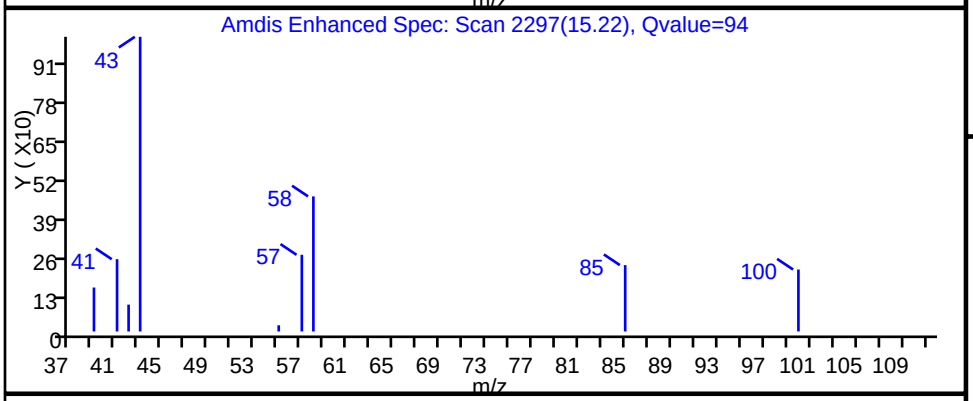


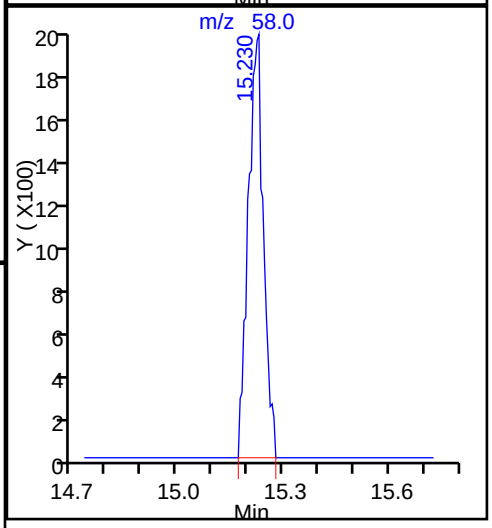
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Lims ID: 200-27725-A-2 Lab Sample ID: 200-27725-2
Client ID: 101VMP0201GA
Operator ID: wrd ALS Bottle#: 10 Worklist Smp#: 11
Purge Vol: 200.000 mL Dil. Factor: 5.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

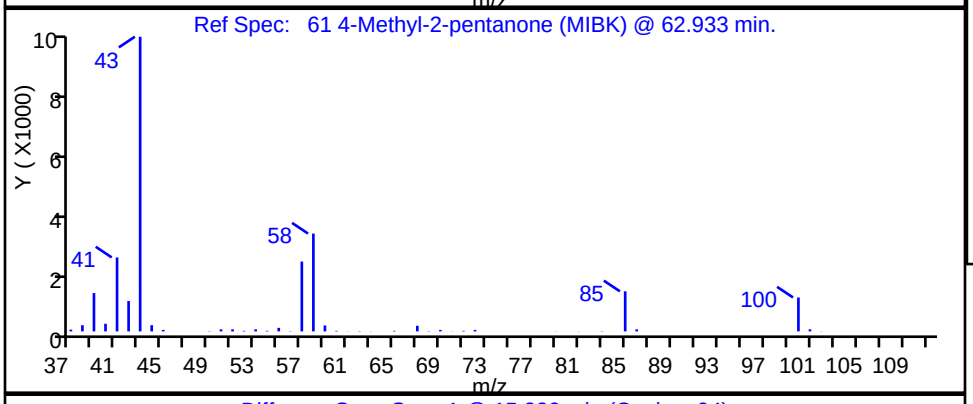
61 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

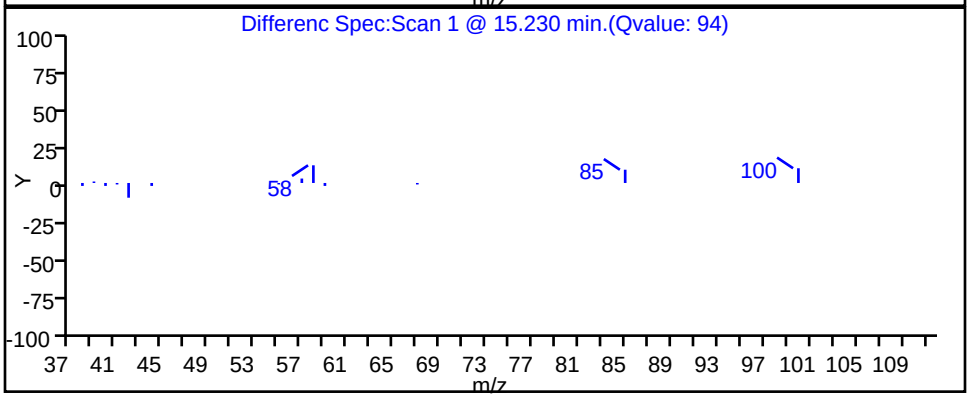






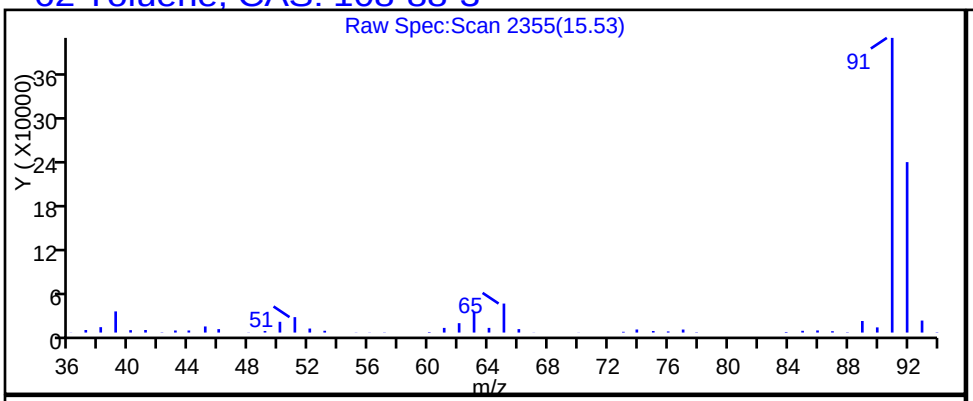


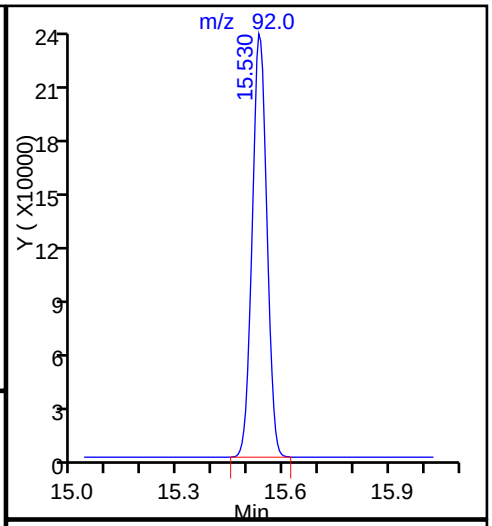


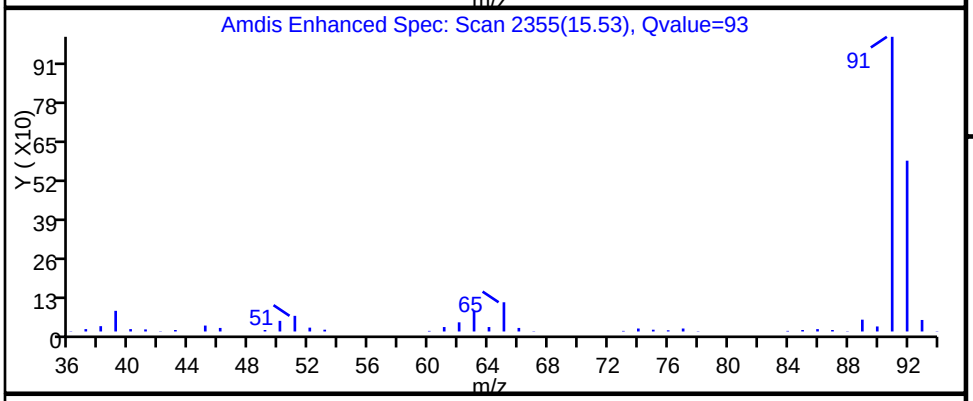


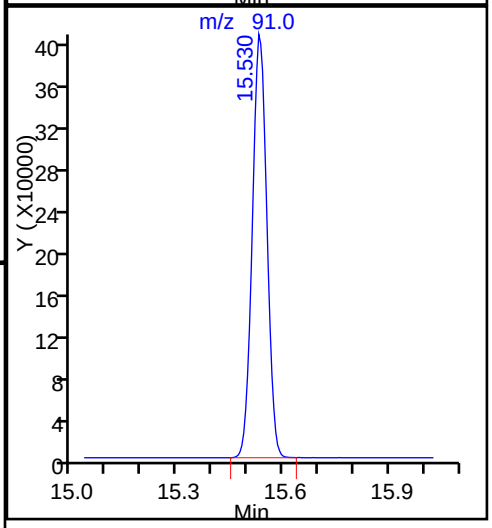
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Injection Date: 29-Apr-2015 19:17:30 Instrument ID: CHX.i
Lims ID: 200-27725-A-2 Lab Sample ID: 200-27725-2
Client ID: 101VMP0201GA
Operator ID: wrd ALS Bottle#: 10 Worklist Smp#: 11
Purge Vol: 200.000 mL Dil. Factor: 5.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

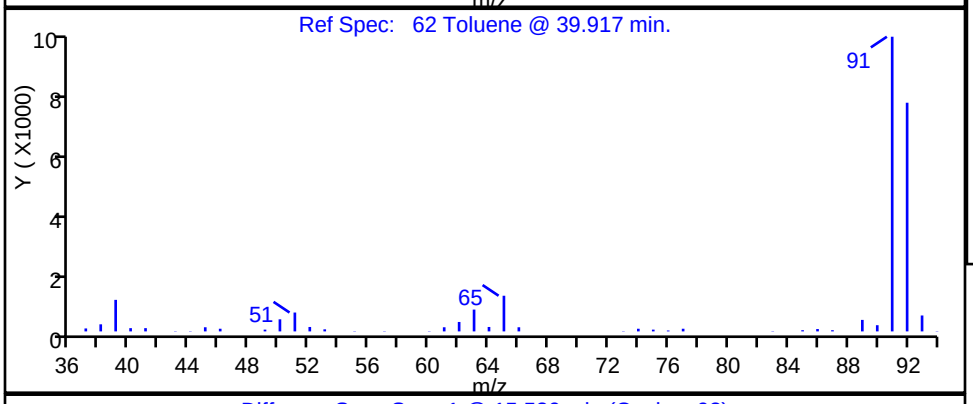
62 Toluene, CAS: 108-88-3

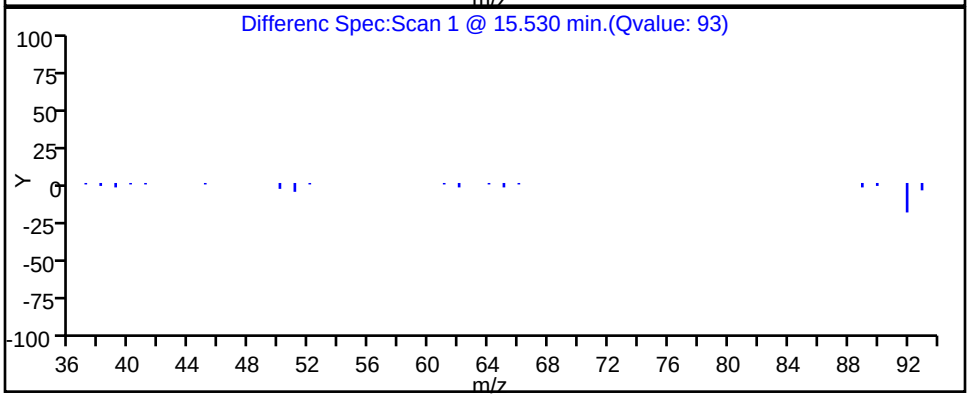








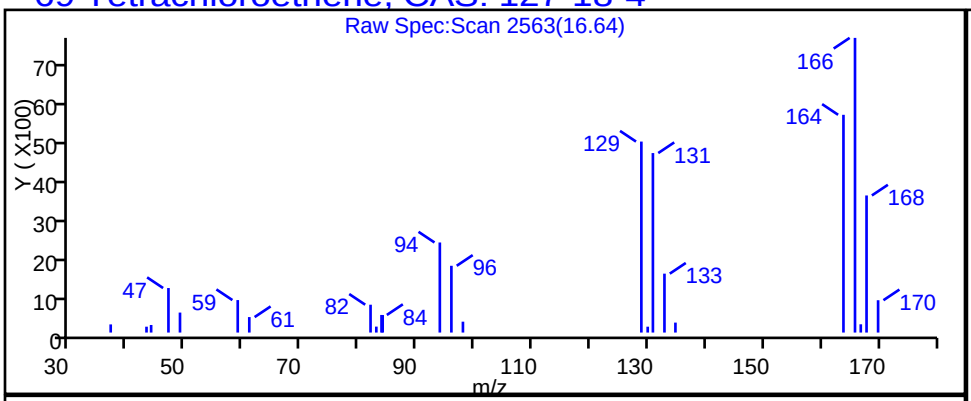


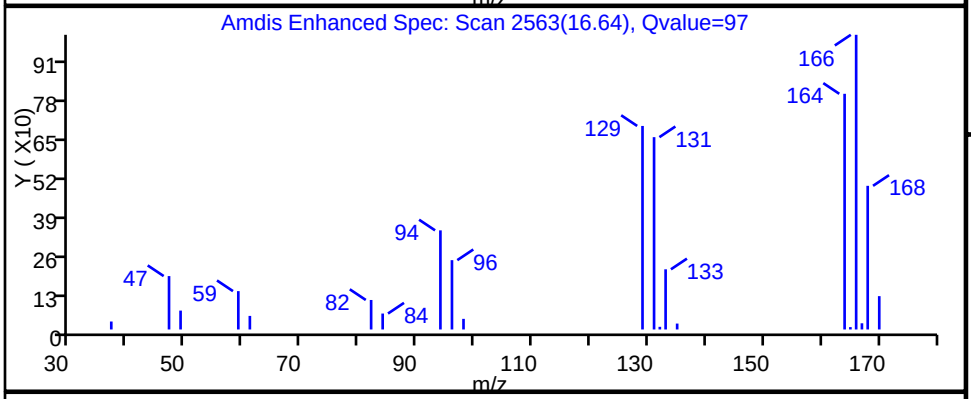


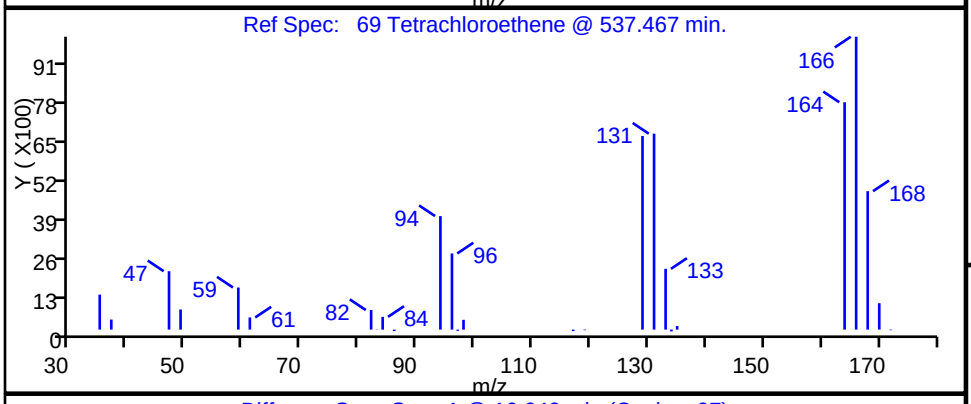
TestAmerica Burlington

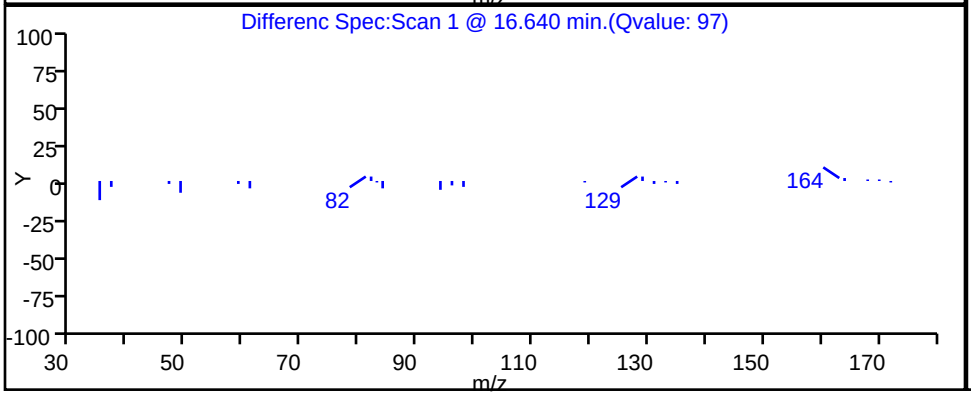
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Injection Date: 29-Apr-2015 19:17:30 Instrument ID: CHX.i
Lims ID: 200-27725-A-2 Lab Sample ID: 200-27725-2
Client ID: 101VMP0201GA
Operator ID: wrd ALS Bottle#: 10 Worklist Smp#: 11
Purge Vol: 200.000 mL Dil. Factor: 5.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

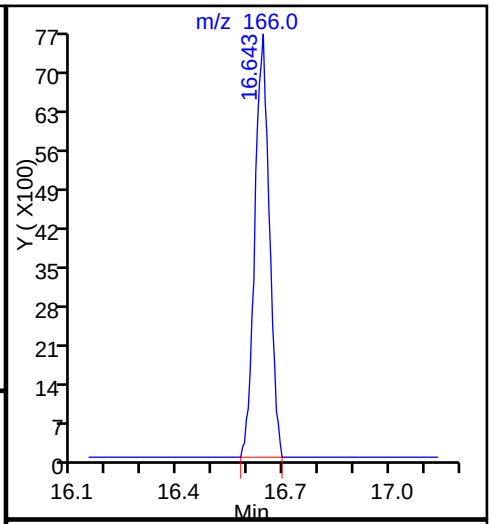
69 Tetrachloroethene, CAS: 127-18-4

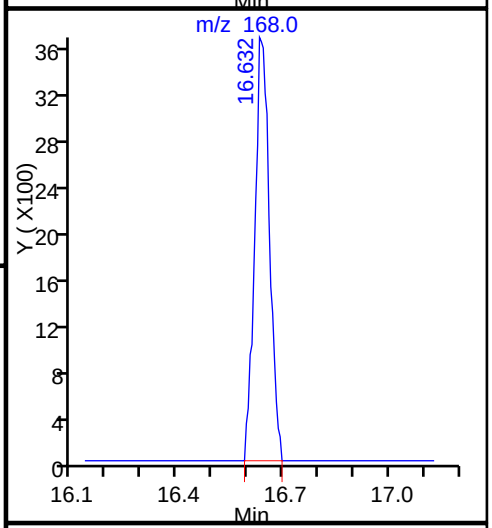


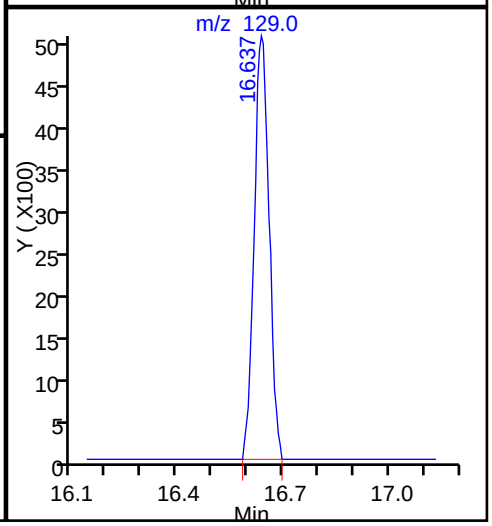






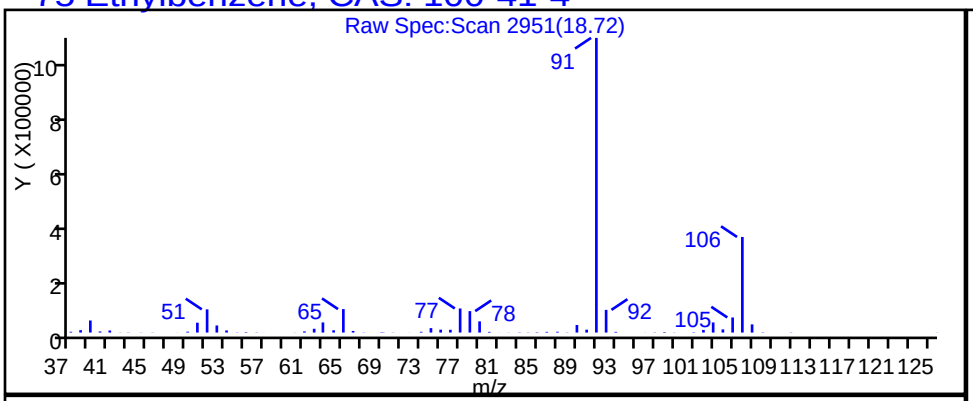


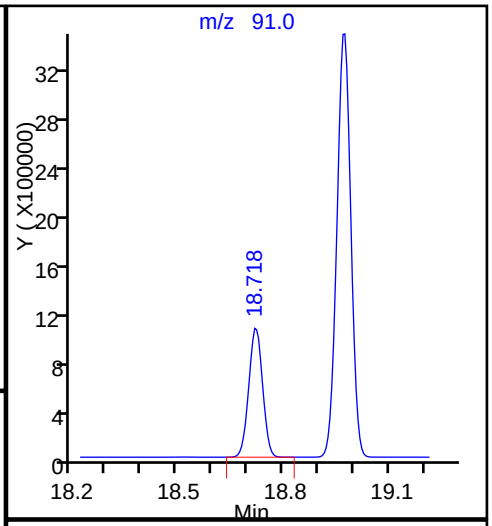


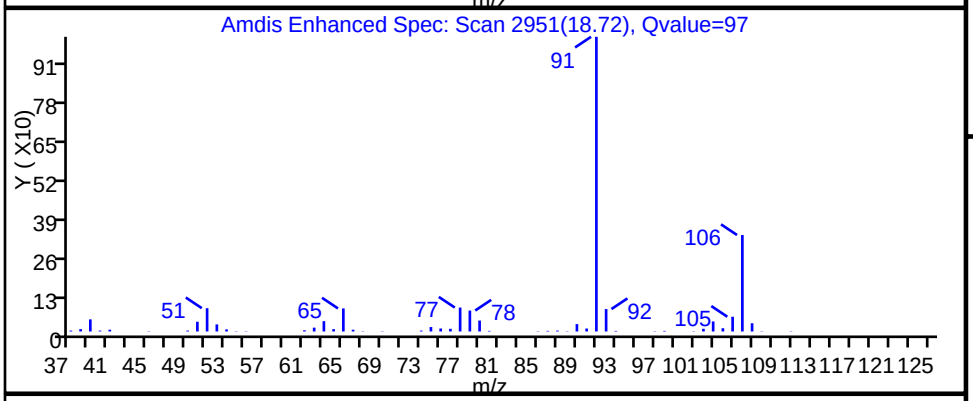


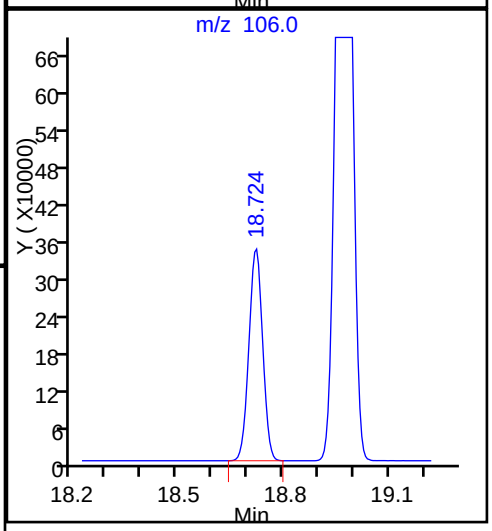
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Injection Date: 29-Apr-2015 19:17:30 Instrument ID: CHX.i
Lims ID: 200-27725-A-2 Lab Sample ID: 200-27725-2
Client ID: 101VMP0201GA
Operator ID: wrd ALS Bottle#: 10 Worklist Smp#: 11
Purge Vol: 200.000 mL Dil. Factor: 5.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

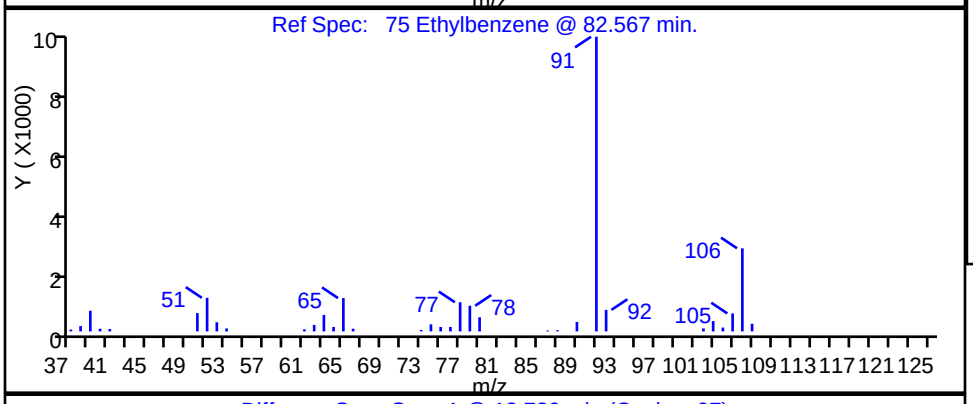
75 Ethylbenzene, CAS: 100-41-4

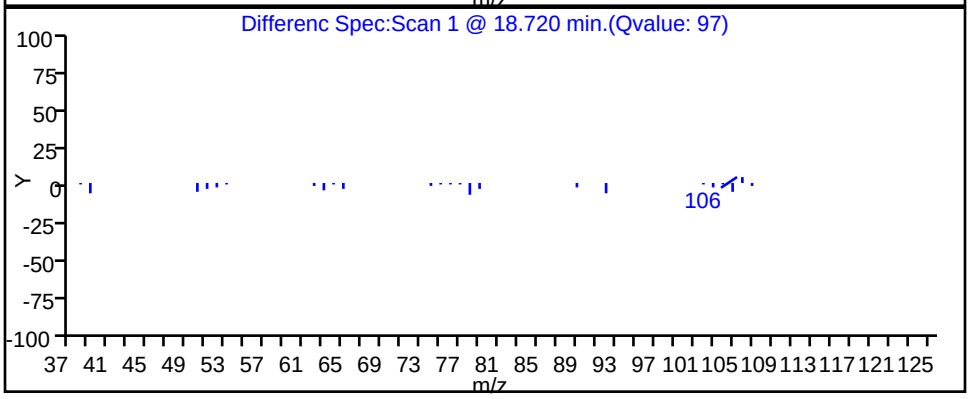






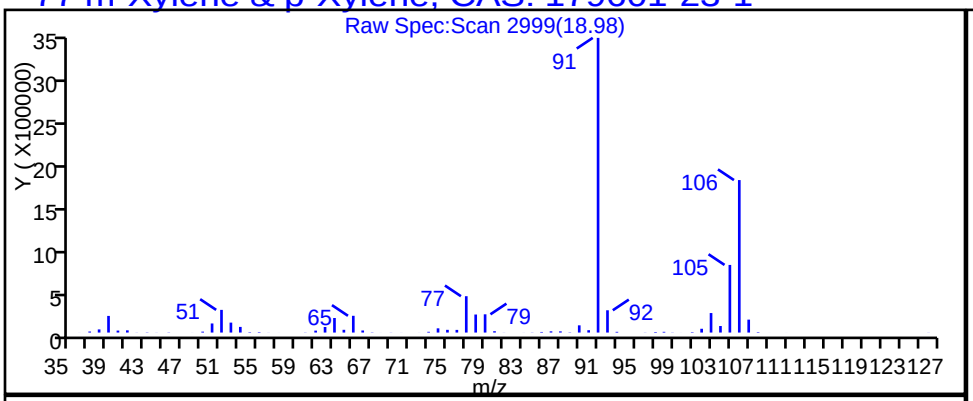


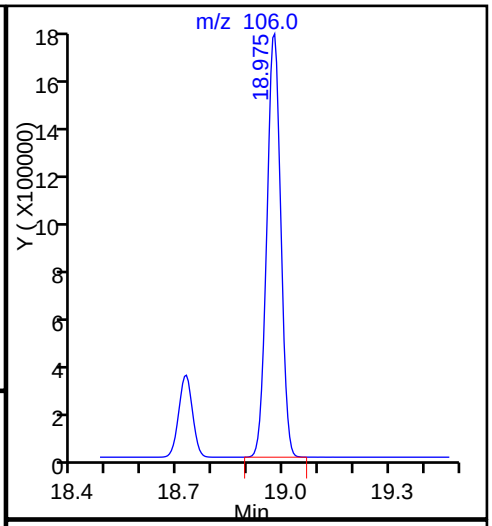


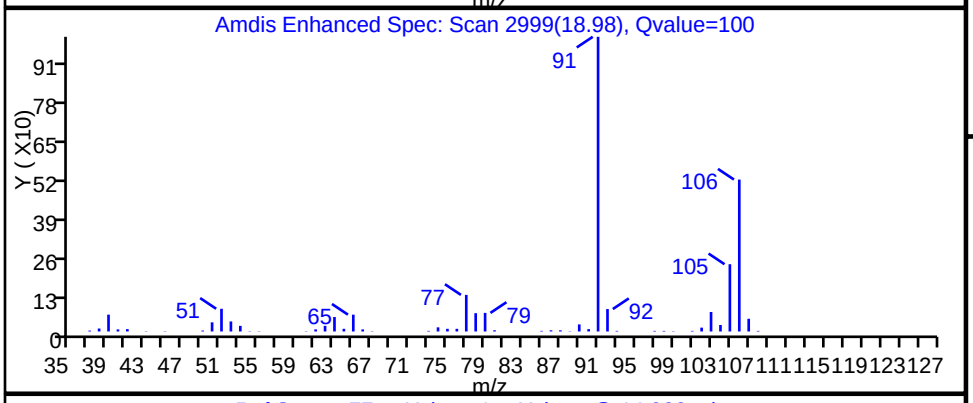


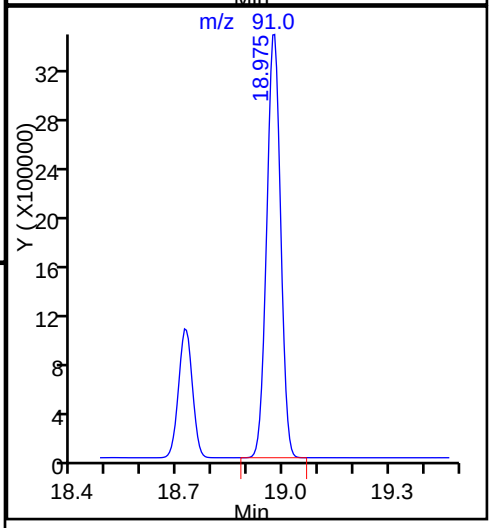
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Lims ID: 200-27725-A-2 Lab Sample ID: 200-27725-2
Client ID: 101VMP0201GA
Operator ID: wrd ALS Bottle#: 10 Worklist Smp#: 11
Purge Vol: 200.000 mL Dil. Factor: 5.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

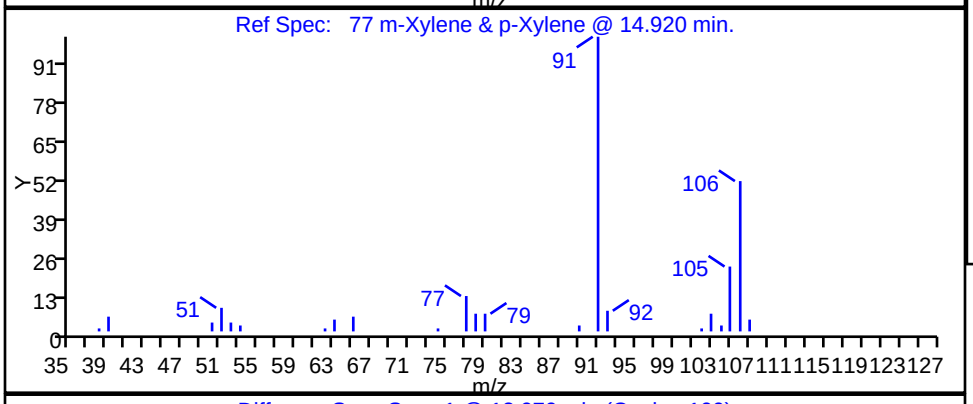
77 m-Xylene & p-Xylene, CAS: 179601-23-1

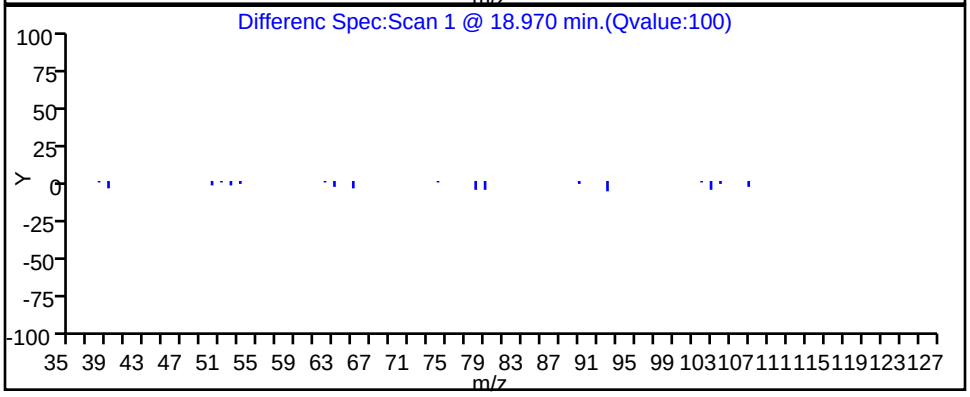






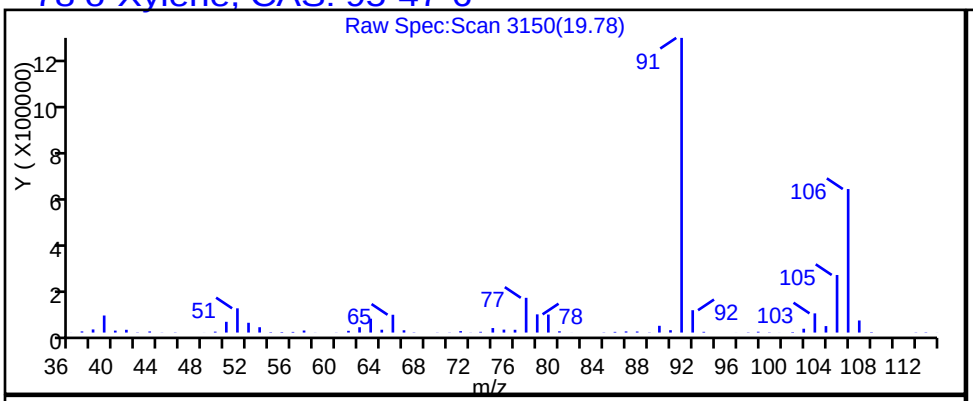


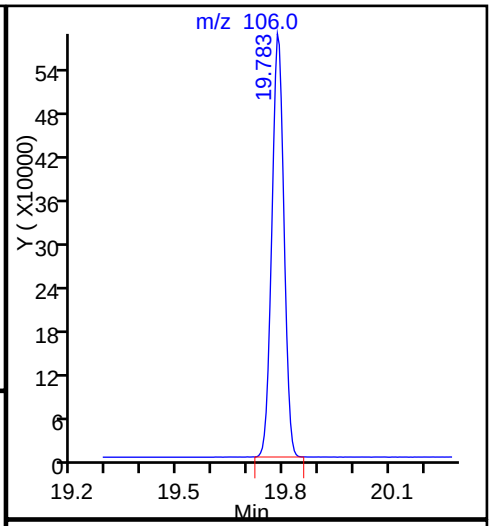


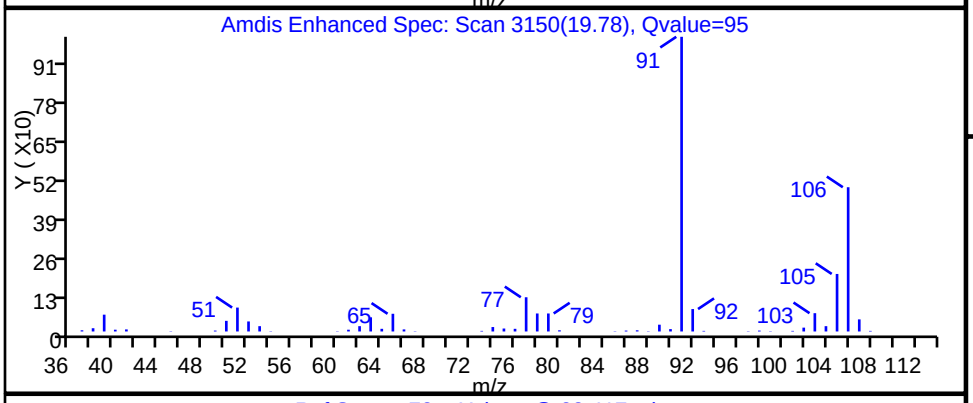


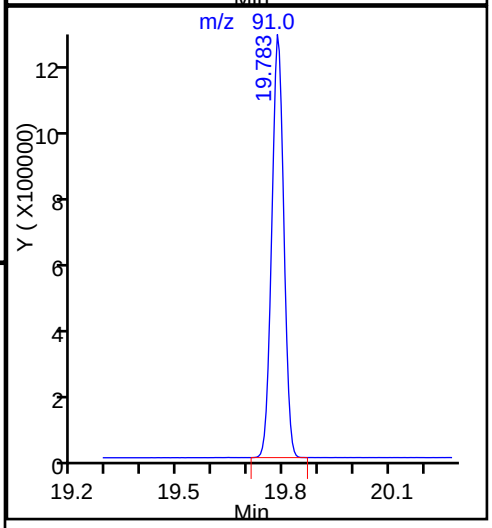
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Lims ID: 200-27725-A-2 Lab Sample ID: 200-27725-2
Client ID: 101VMP0201GA
Operator ID: wrd ALS Bottle#: 10 Worklist Smp#: 11
Purge Vol: 200.000 mL Dil. Factor: 5.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

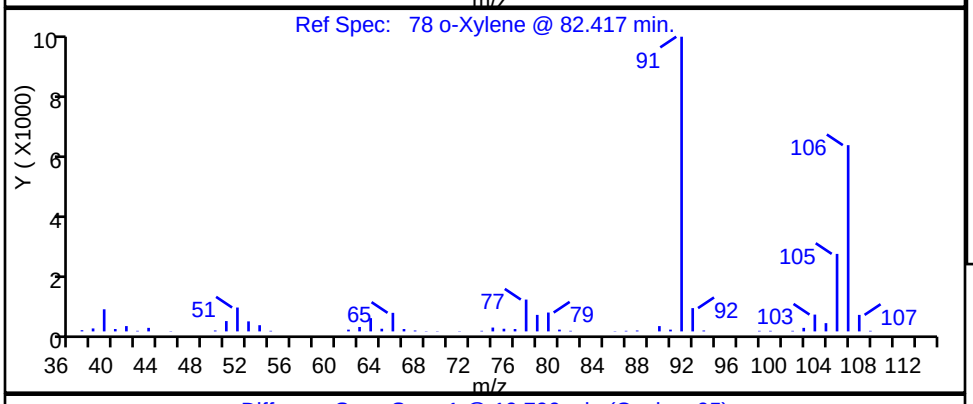
78 o-Xylene, CAS: 95-47-6

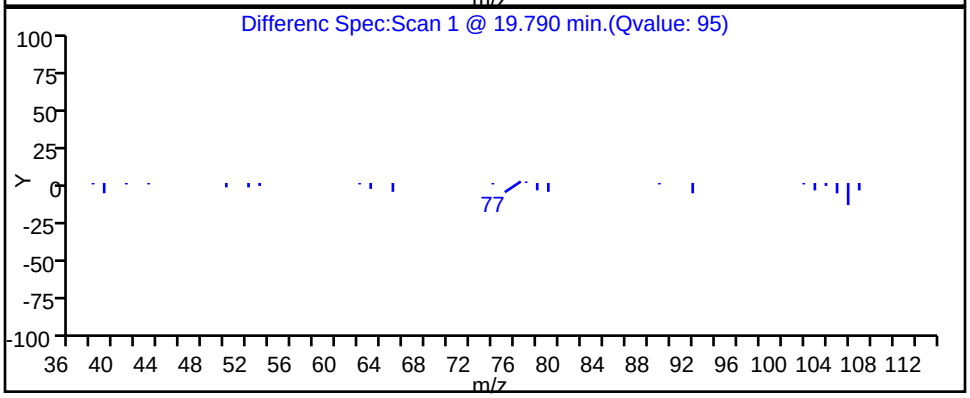






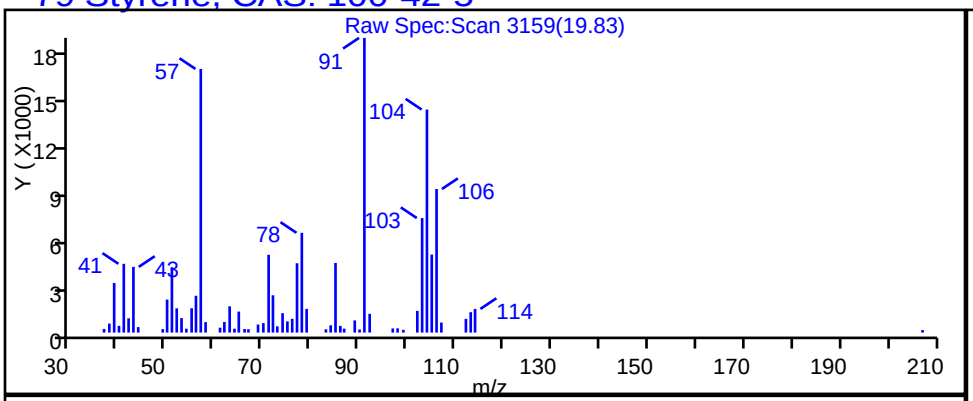


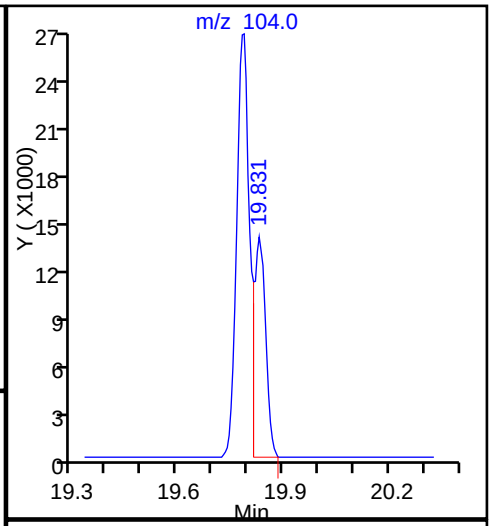


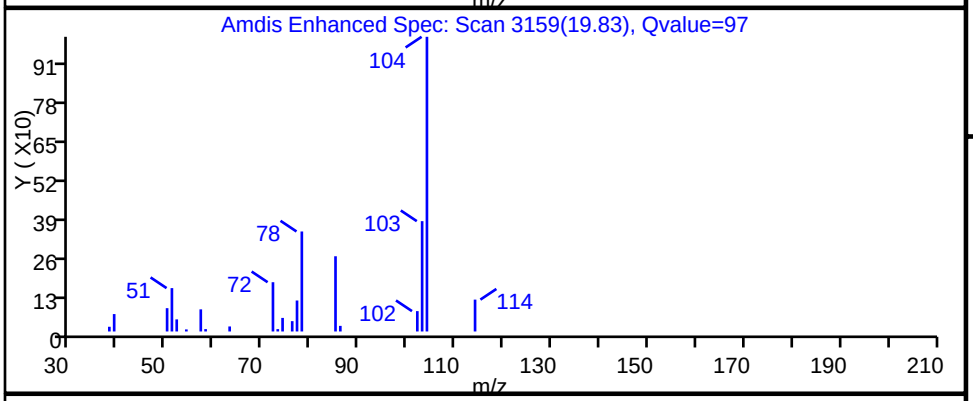


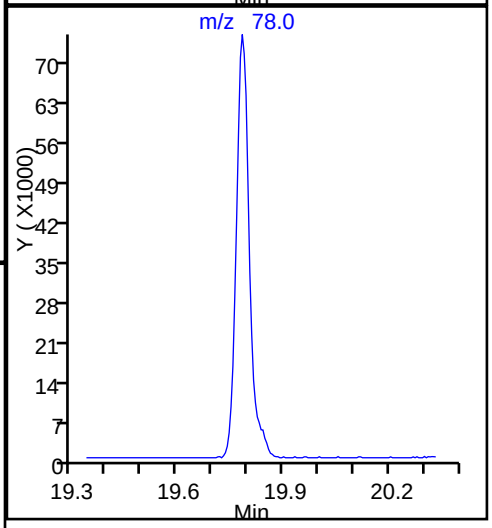
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Lims ID: 200-27725-A-2 Lab Sample ID: 200-27725-2
Client ID: 101VMP0201GA
Operator ID: wrd ALS Bottle#: 10 Worklist Smp#: 11
Purge Vol: 200.000 mL Dil. Factor: 5.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

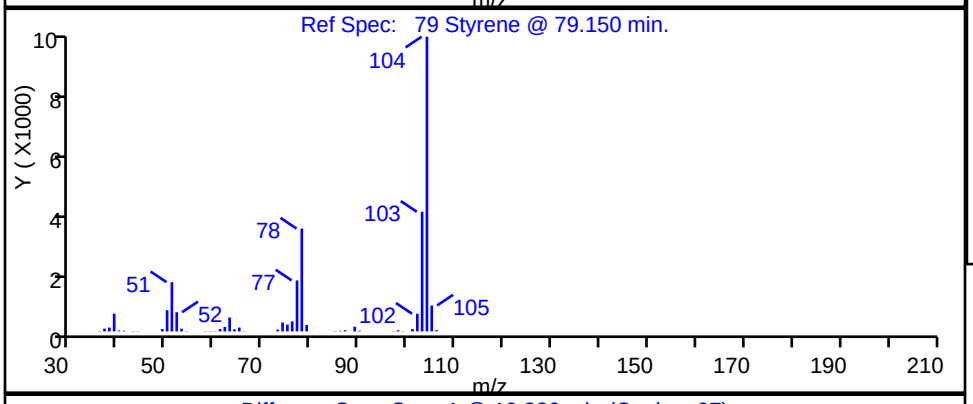
79 Styrene, CAS: 100-42-5

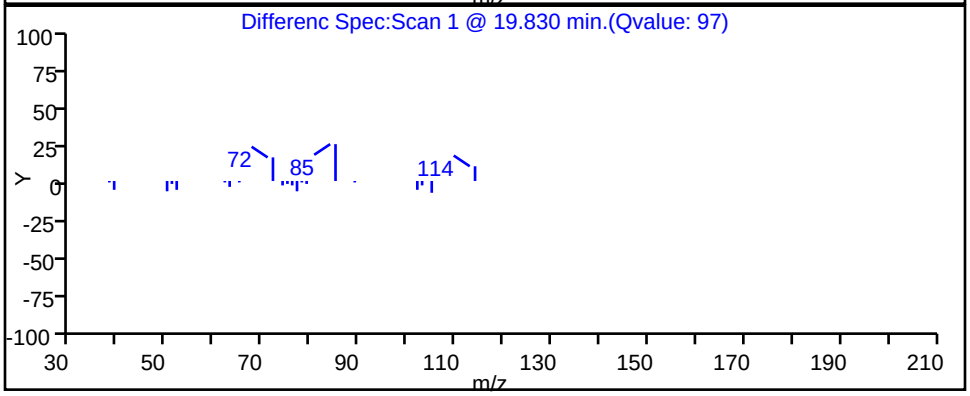






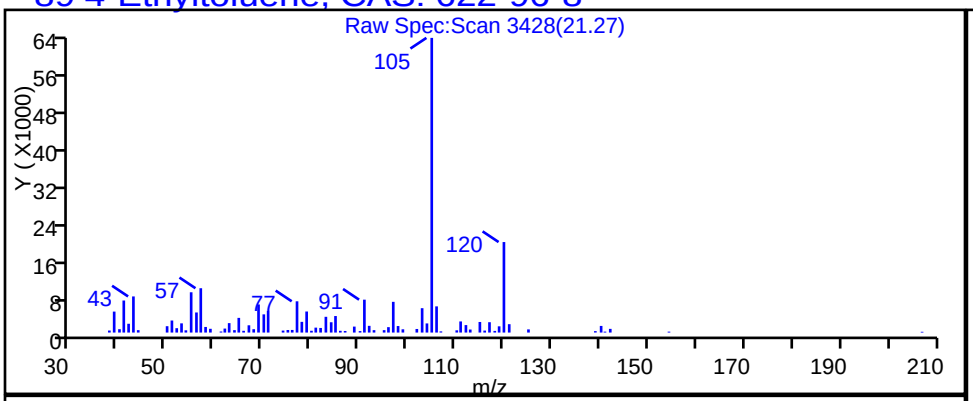


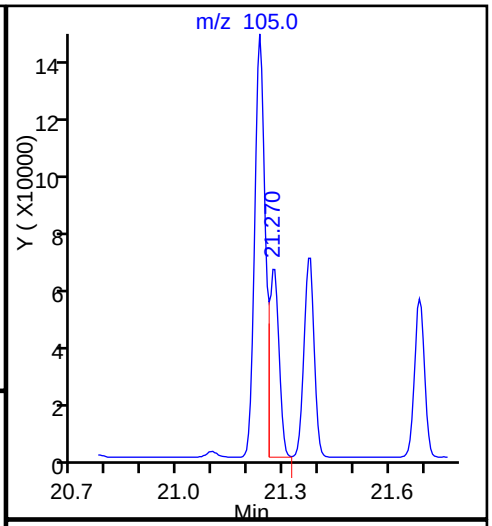


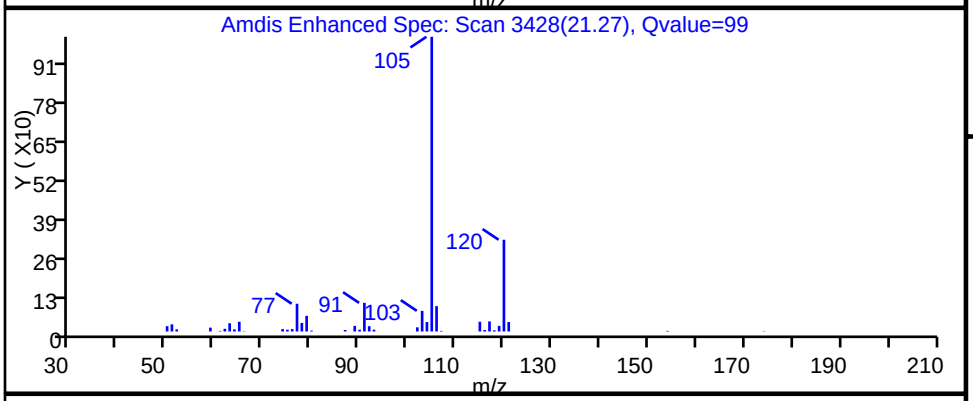


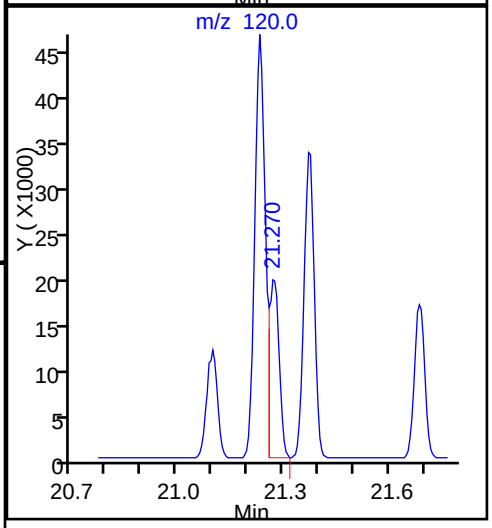
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Injection Date: 29-Apr-2015 19:17:30 Instrument ID: CHX.i
Lims ID: 200-27725-A-2 Lab Sample ID: 200-27725-2
Client ID: 101VMP0201GA
Operator ID: wrd ALS Bottle#: 10 Worklist Smp#: 11
Purge Vol: 200.000 mL Dil. Factor: 5.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

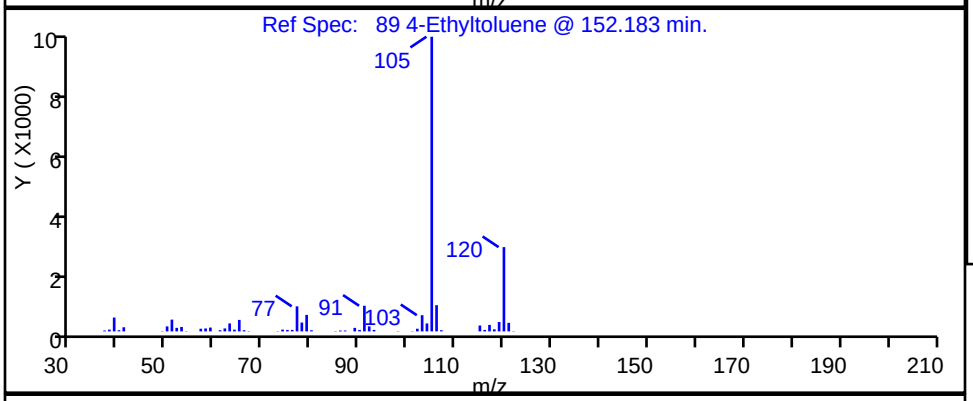
89 4-Ethyltoluene, CAS: 622-96-8

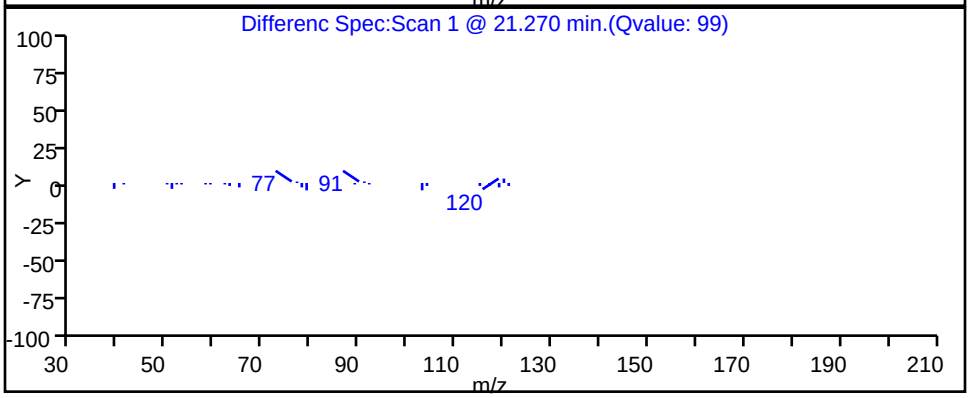










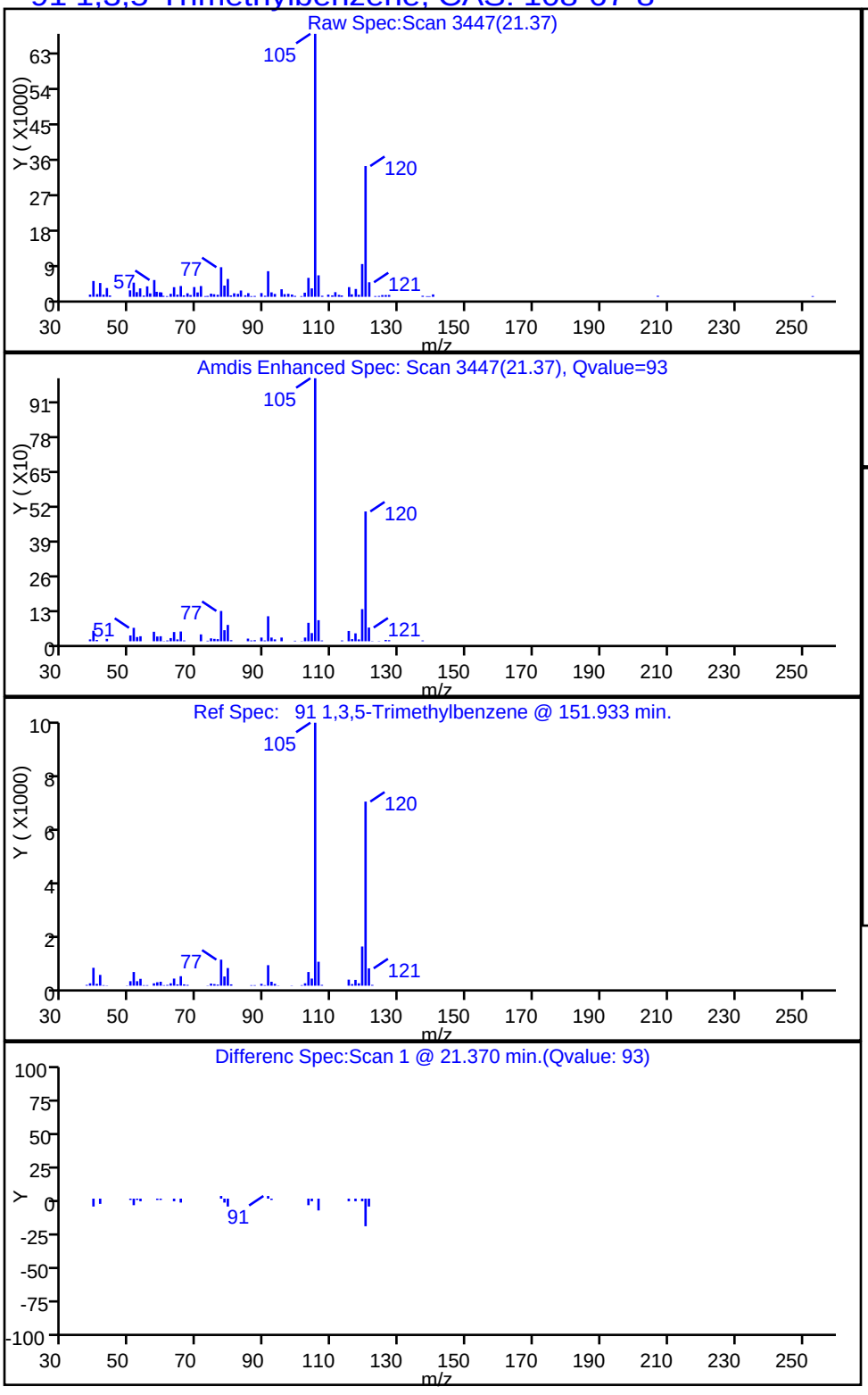


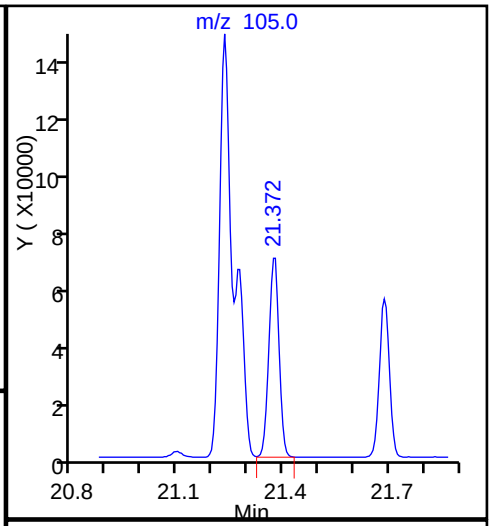
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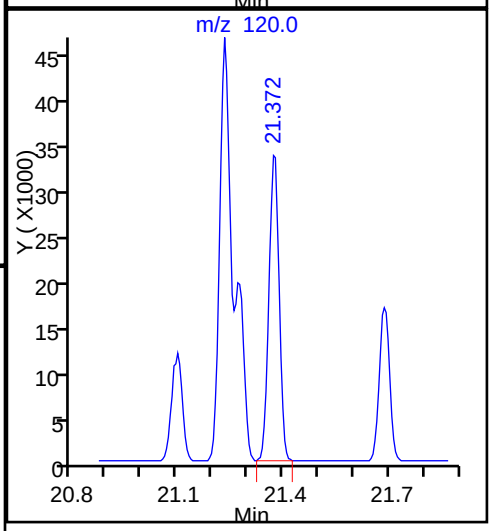
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Injection Date:	29-Apr-2015 19:17:30	Instrument ID:	CHX.i		
Lims ID:	200-27725-A-2	Lab Sample ID:	200-27725-2		
Client ID:	101VMP0201GA				
Operator ID:	wrd	ALS Bottle#:	10	Worklist Smp#:	11
Purge Vol:	200.000 mL	Dil. Factor:	5.0000		
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

91 1,3,5-Trimethylbenzene, CAS: 108-67-8



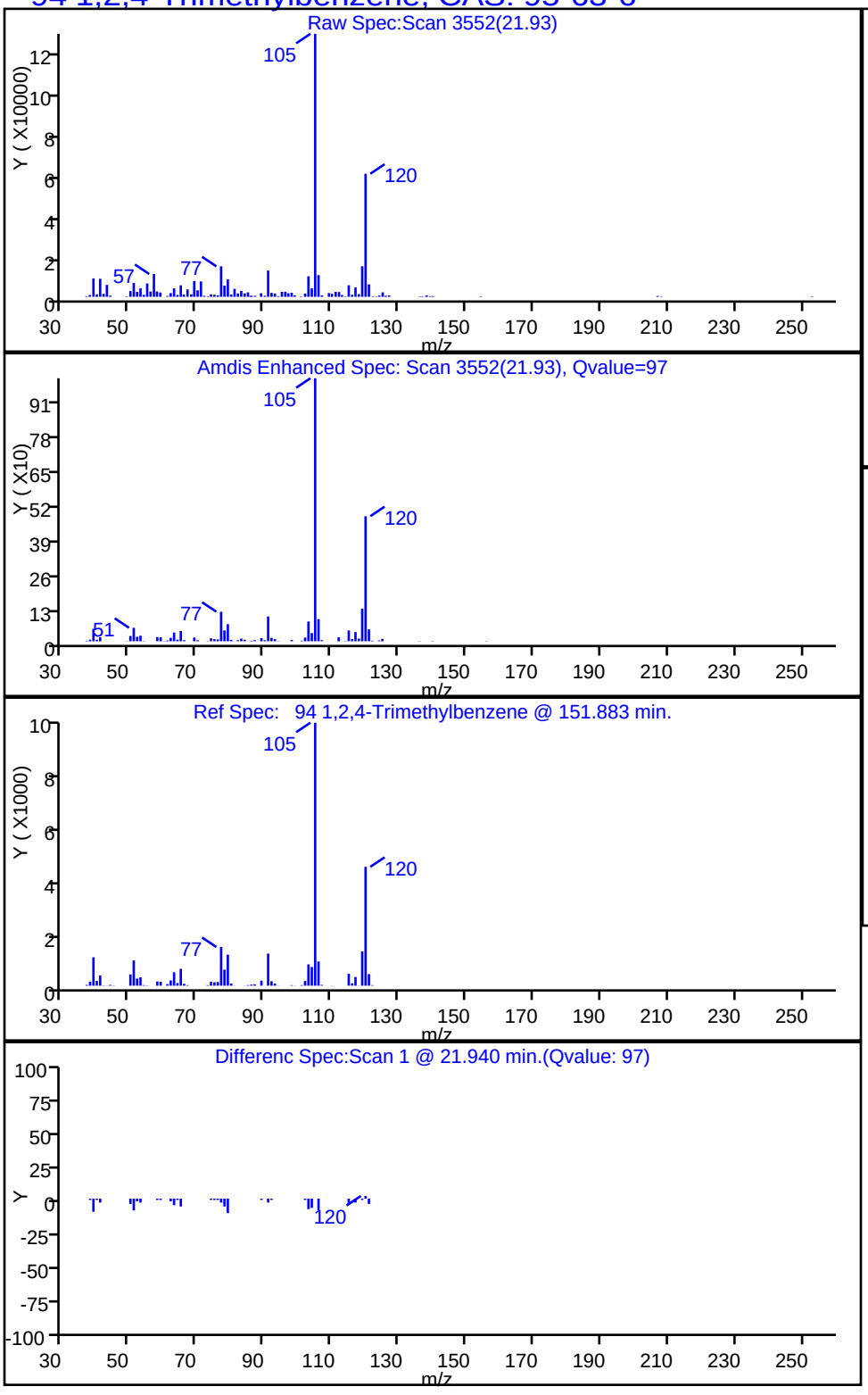


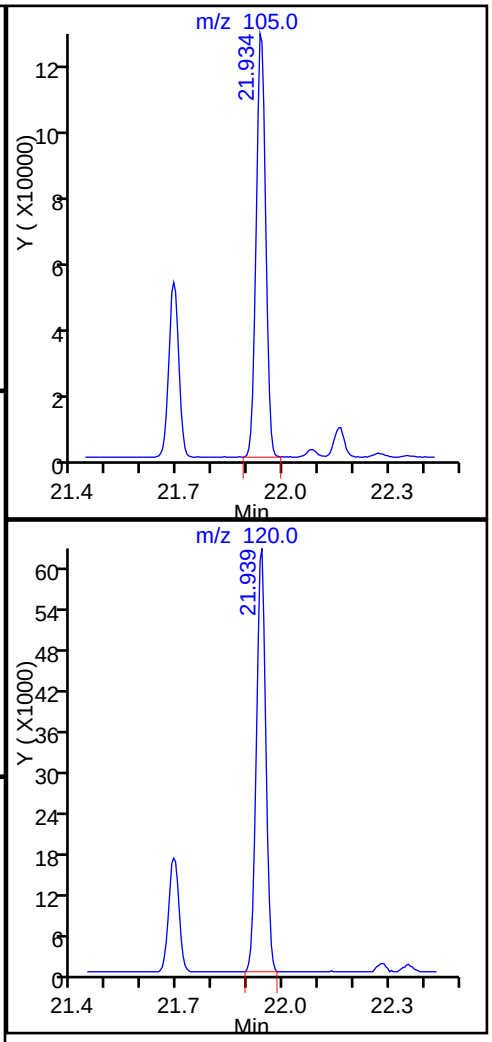


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Operator ID: wrd ALS Bottle#: 10 Worklist Smp#: 11
Purge Vol: 200.000 mL Dil. Factor: 5.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

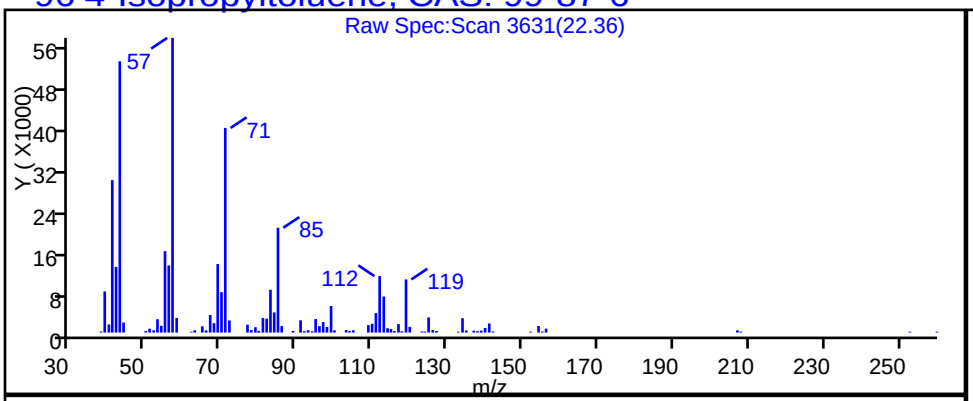
94 1,2,4-Trimethylbenzene, CAS: 95-63-6

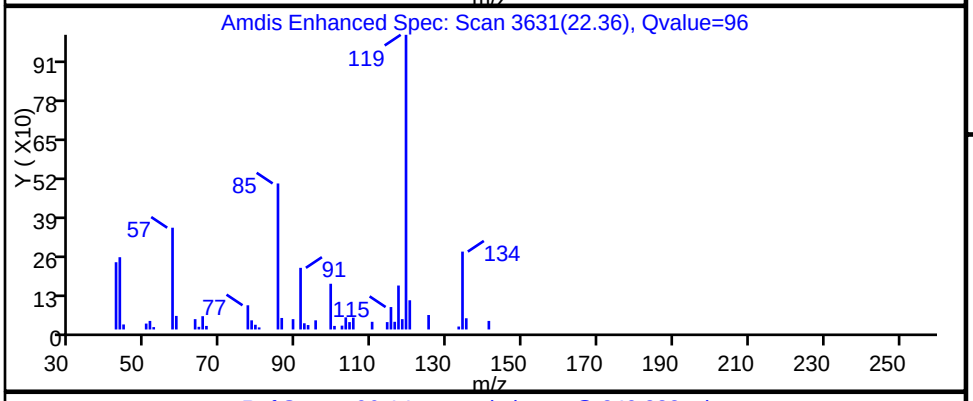


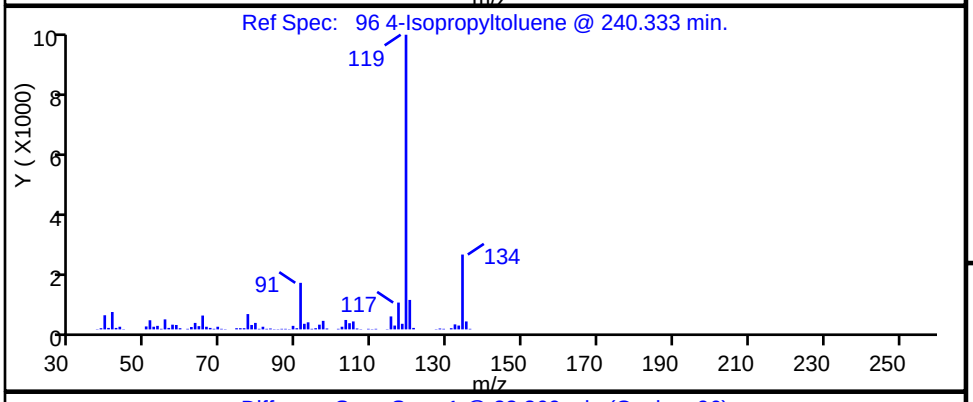


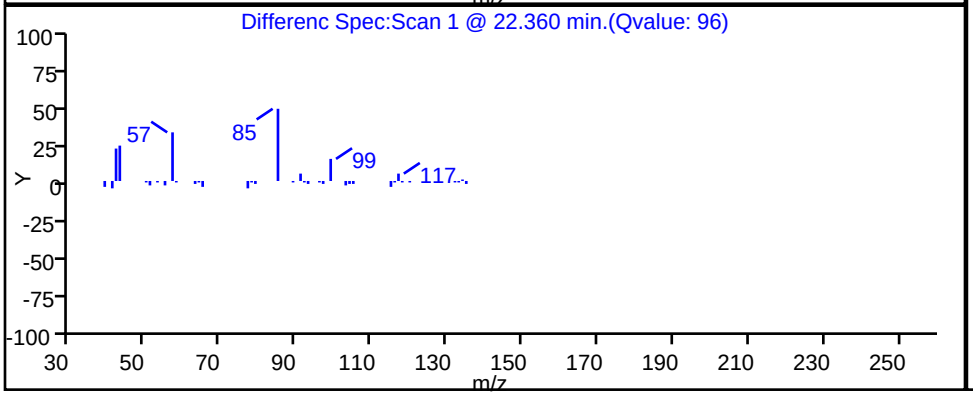
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Column: RTX-624 (0.32 mm) Detector MS SCAN

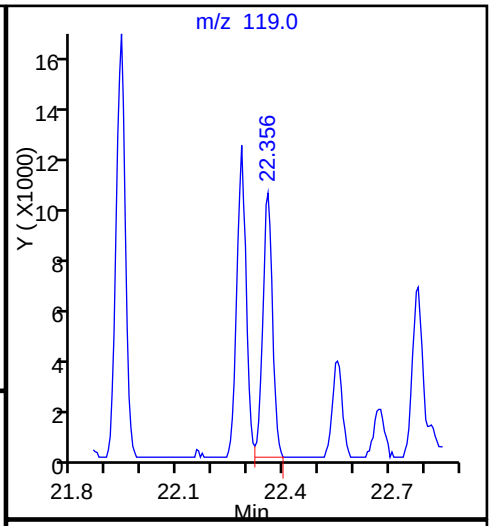
96 4-Isopropyltoluene, CAS: 99-87-6

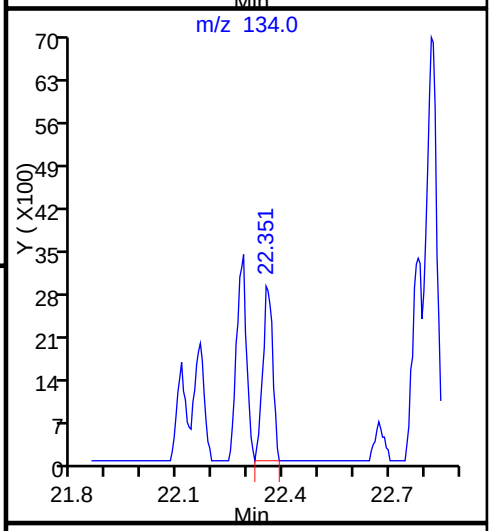


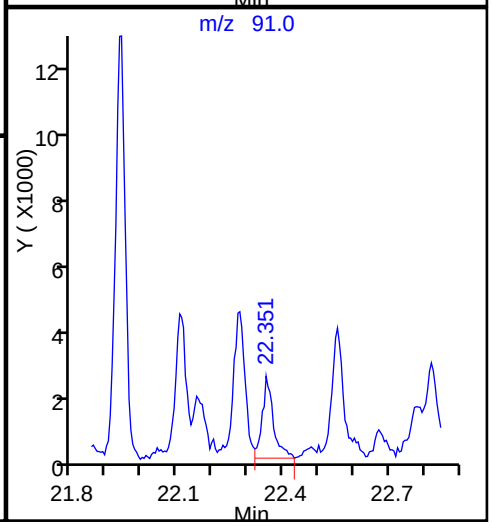












FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-27725-1

SDG No.:

Client Sample ID: 101VMP0301GA Lab Sample ID: 200-27725-3

Matrix: Air Lab File ID: 13349-012.D

Analysis Method: TO-15 Date Collected: 04/23/2015 11:30

Sample wt/vol: 30(mL) Date Analyzed: 04/29/2015 20:06

Soil Aliquot Vol: Dilution Factor: 24.6

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 87597 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	4.9	U	12	1.4
75-45-6	Freon 22	86.47	4.9	U	12	2.0
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	2.0	U	4.9	1.3
74-87-3	Chloromethane	50.49	4.9	U	12	1.5
106-97-8	n-Butane	58.12	4.9	U	12	4.4
75-01-4	Vinyl chloride	62.50	0.74	U	4.9	0.64
106-99-0	1,3-Butadiene	54.09	2.0	U	4.9	0.89
74-83-9	Bromomethane	94.94	2.0	U	4.9	1.1
75-00-3	Chloroethane	64.52	2.0	U	12	1.5
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.74	U	4.9	0.49
75-69-4	Trichlorofluoromethane	137.37	2.0	U	4.9	1.1
76-13-1	Freon TF	187.38	2.0	U	4.9	1.0
75-35-4	1,1-Dichloroethene	96.94	0.74	U	4.9	0.25
67-64-1	Acetone	58.08	150	D	120	17
67-63-0	Isopropyl alcohol	60.10	12	U	120	3.7
75-15-0	Carbon disulfide	76.14	2.0	U	12	0.74
107-05-1	3-Chloropropene	76.53	4.9	U	12	3.9
75-09-2	Methylene Chloride	84.93	4.9	U	12	3.0
75-65-0	tert-Butyl alcohol	74.12	4.9	U	120	3.0
1634-04-4	Methyl tert-butyl ether	88.15	0.74	U	4.9	0.54
156-60-5	trans-1,2-Dichloroethene	96.94	0.74	U	4.9	0.66
110-54-3	n-Hexane	86.17	0.74	U	4.9	0.69
75-34-3	1,1-Dichloroethane	98.96	0.74	U	4.9	0.69
78-93-3	Methyl Ethyl Ketone	72.11	200	D	12	2.3
156-59-2	cis-1,2-Dichloroethene	96.94	2.0	U	4.9	0.74
540-59-0	1,2-Dichloroethene, Total	96.94	2.0	U	4.9	1.3
67-66-3	Chloroform	119.38	2.0	U	4.9	0.93
109-99-9	Tetrahydrofuran	72.11	760	D	120	4.4
71-55-6	1,1,1-Trichloroethane	133.41	2.0	U	4.9	0.74
110-82-7	Cyclohexane	84.16	0.74	U	4.9	0.25
56-23-5	Carbon tetrachloride	153.81	0.74	U	4.9	0.27
540-84-1	2,2,4-Trimethylpentane	114.23	0.74	U	4.9	0.57
71-43-2	Benzene	78.11	0.74	U	4.9	0.71
107-06-2	1,2-Dichloroethane	98.96	2.0	U	4.9	1.3

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

Lab Name: TestAmerica Burlington Job No.: 200-27725-1

SDG No.:

Client Sample ID: 101VMP0301GA Lab Sample ID: 200-27725-3

Matrix: Air Lab File ID: 13349-012.D

Analysis Method: TO-15 Date Collected: 04/23/2015 11:30

Sample wt/vol: 30(mL) Date Analyzed: 04/29/2015 20:06

Soil Aliquot Vol: Dilution Factor: 24.6

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 87597 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
142-82-5	n-Heptane	100.21	2.0	U	4.9	0.91
79-01-6	Trichloroethene	131.39	6.3	D	4.9	0.74
80-62-6	Methyl methacrylate	100.12	4.9	U	12	2.4
78-87-5	1,2-Dichloropropane	112.99	2.0	U	4.9	0.86
123-91-1	1,4-Dioxane	88.11	4.9	U	120	3.9
75-27-4	Bromodichloromethane	163.83	0.74	U	4.9	0.71
10061-01-5	cis-1,3-Dichloropropene	110.97	0.74	U	4.9	0.71
108-10-1	methyl isobutyl ketone	100.16	80	D	12	4.4
108-88-3	Toluene	92.14	240	D	4.9	0.62
10061-02-6	trans-1,3-Dichloropropene	110.97	0.74	U	4.9	0.64
79-00-5	1,1,2-Trichloroethane	133.41	2.0	U	4.9	0.91
127-18-4	Tetrachloroethene	165.83	2.9	J D	4.9	0.74
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	4.9	U	12	4.2
124-48-1	Dibromochloromethane	208.29	0.74	U	4.9	0.49
106-93-4	1,2-Dibromoethane	187.87	0.74	U	4.9	0.44
108-90-7	Chlorobenzene	112.56	0.74	U	4.9	0.44
100-41-4	Ethylbenzene	106.17	4.7	J D	4.9	0.49
179601-23-1	m,p-Xylene	106.17	18	D	12	0.62
95-47-6	Xylene, o-	106.17	6.9	D	4.9	0.44
1330-20-7	Xylene (total)	106.17	25		4.9	1.0
100-42-5	Styrene	104.15	2.7	J D	4.9	0.39
75-25-2	Bromoform	252.75	0.74	U	4.9	0.62
98-82-8	Cumene	120.19	0.74	U	4.9	0.47
79-34-5	1,1,2,2-Tetrachloroethane	167.85	2.0	U	4.9	0.84
103-65-1	n-Propylbenzene	120.19	0.74	U	4.9	0.66
622-96-8	4-Ethyltoluene	120.20	0.74	U	4.9	0.49
108-67-8	1,3,5-Trimethylbenzene	120.20	0.74	U	4.9	0.47
95-49-8	2-Chlorotoluene	126.59	2.0	U	4.9	0.76
98-06-6	tert-Butylbenzene	134.22	0.74	U	4.9	0.49
95-63-6	1,2,4-Trimethylbenzene	120.20	0.74	U	4.9	0.39
135-98-8	sec-Butylbenzene	134.22	0.74	U	4.9	0.52
99-87-6	4-Isopropyltoluene	134.22	0.74	U	4.9	0.49
541-73-1	1,3-Dichlorobenzene	147.00	0.74	U	4.9	0.49
106-46-7	1,4-Dichlorobenzene	147.00	0.74	U	4.9	0.47

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

Lab Name: TestAmerica Burlington Job No.: 200-27725-1

SDG No.:

Client Sample ID: 101VMP0301GA Lab Sample ID: 200-27725-3

Matrix: Air Lab File ID: 13349-012.D

Analysis Method: TO-15 Date Collected: 04/23/2015 11:30

Sample wt/vol: 30(mL) Date Analyzed: 04/29/2015 20:06

Soil Aliquot Vol: Dilution Factor: 24.6

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 87597 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	0.74	U	4.9	0.44
104-51-8	n-Butylbenzene	134.22	0.74	U	4.9	0.69
95-50-1	1,2-Dichlorobenzene	147.00	0.74	U	4.9	0.44
120-82-1	1,2,4-Trichlorobenzene	181.45	2.0	U	12	0.84
87-68-3	Hexachlorobutadiene	260.76	2.0	U	4.9	0.89
91-20-3	Naphthalene	128.17	2.0	U	12	0.74

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

Lab Name: TestAmerica Burlington Job No.: 200-27725-1

SDG No.:

Client Sample ID: 101VMP0301GA Lab Sample ID: 200-27725-3

Matrix: Air Lab File ID: 13349-012.D

Analysis Method: TO-15 Date Collected: 04/23/2015 11:30

Sample wt/vol: 30(mL) Date Analyzed: 04/29/2015 20:06

Soil Aliquot Vol: Dilution Factor: 24.6

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 87597 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	24	U	61	6.8
75-45-6	Freon 22	86.47	17	U	44	7.0
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	14	U	34	8.9
74-87-3	Chloromethane	50.49	10	U	25	3.0
106-97-8	n-Butane	58.12	12	U	29	11
75-01-4	Vinyl chloride	62.50	1.9	U	13	1.6
106-99-0	1,3-Butadiene	54.09	4.4	U	11	2.0
74-83-9	Bromomethane	94.94	7.6	U	19	4.2
75-00-3	Chloroethane	64.52	5.2	U	32	4.0
593-60-2	Bromoethene(Vinyl Bromide)	106.96	3.2	U	22	2.2
75-69-4	Trichlorofluoromethane	137.37	11	U	28	6.2
76-13-1	Freon TF	187.38	15	U	38	7.7
75-35-4	1,1-Dichloroethene	96.94	2.9	U	20	0.98
67-64-1	Acetone	58.08	370	D	290	40
67-63-0	Isopropyl alcohol	60.10	30	U	300	9.1
75-15-0	Carbon disulfide	76.14	6.1	U	38	2.3
107-05-1	3-Chloropropene	76.53	15	U	38	12
75-09-2	Methylene Chloride	84.93	17	U	43	10
75-65-0	tert-Butyl alcohol	74.12	15	U	370	8.9
1634-04-4	Methyl tert-butyl ether	88.15	2.7	U	18	2.0
156-60-5	trans-1,2-Dichloroethene	96.94	2.9	U	20	2.6
110-54-3	n-Hexane	86.17	2.6	U	17	2.4
75-34-3	1,1-Dichloroethane	98.96	3.0	U	20	2.8
78-93-3	Methyl Ethyl Ketone	72.11	590	D	36	6.7
156-59-2	cis-1,2-Dichloroethene	96.94	7.8	U	20	2.9
540-59-0	1,2-Dichloroethene, Total	96.94	7.8	U	20	5.2
67-66-3	Chloroform	119.38	9.6	U	24	4.6
109-99-9	Tetrahydrofuran	72.11	2200	D	360	13
71-55-6	1,1,1-Trichloroethane	133.41	11	U	27	4.0
110-82-7	Cyclohexane	84.16	2.5	U	17	0.85
56-23-5	Carbon tetrachloride	153.81	4.6	U	31	1.7
540-84-1	2,2,4-Trimethylpentane	114.23	3.4	U	23	2.6
71-43-2	Benzene	78.11	2.4	U	16	2.3
107-06-2	1,2-Dichloroethane	98.96	8.0	U	20	5.2

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

Lab Name: TestAmerica Burlington Job No.: 200-27725-1

SDG No.:

Client Sample ID: 101VMP0301GA Lab Sample ID: 200-27725-3

Matrix: Air Lab File ID: 13349-012.D

Analysis Method: TO-15 Date Collected: 04/23/2015 11:30

Sample wt/vol: 30(mL) Date Analyzed: 04/29/2015 20:06

Soil Aliquot Vol: Dilution Factor: 24.6

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 87597 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
142-82-5	n-Heptane	100.21	8.1	U	20	3.7
79-01-6	Trichloroethene	131.39	34	D	26	4.0
80-62-6	Methyl methacrylate	100.12	20	U	50	9.7
78-87-5	1,2-Dichloropropane	112.99	9.1	U	23	4.0
123-91-1	1,4-Dioxane	88.11	18	U	440	14
75-27-4	Bromodichloromethane	163.83	4.9	U	33	4.8
10061-01-5	cis-1,3-Dichloropropene	110.97	3.3	U	22	3.2
108-10-1	methyl isobutyl ketone	100.16	330	D	50	18
108-88-3	Toluene	92.14	920	D	19	2.3
10061-02-6	trans-1,3-Dichloropropene	110.97	3.3	U	22	2.9
79-00-5	1,1,2-Trichloroethane	133.41	11	U	27	5.0
127-18-4	Tetrachloroethene	165.83	20	J D	33	5.0
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	20	U	50	17
124-48-1	Dibromochloromethane	208.29	6.3	U	42	4.2
106-93-4	1,2-Dibromoethane	187.87	5.7	U	38	3.4
108-90-7	Chlorobenzene	112.56	3.4	U	23	2.0
100-41-4	Ethylbenzene	106.17	21	J D	21	2.1
179601-23-1	m,p-Xylene	106.17	80	D	53	2.7
95-47-6	Xylene, o-	106.17	30	D	21	1.9
1330-20-7	Xylene (total)	106.17	110		21	4.4
100-42-5	Styrene	104.15	12	J D	21	1.7
75-25-2	Bromoform	252.75	7.6	U	51	6.4
98-82-8	Cumene	120.19	3.6	U	24	2.3
79-34-5	1,1,2,2-Tetrachloroethane	167.85	14	U	34	5.7
103-65-1	n-Propylbenzene	120.19	3.6	U	24	3.3
622-96-8	4-Ethyltoluene	120.20	3.6	U	24	2.4
108-67-8	1,3,5-Trimethylbenzene	120.20	3.6	U	24	2.3
95-49-8	2-Chlorotoluene	126.59	10	U	25	3.9
98-06-6	tert-Butylbenzene	134.22	4.1	U	27	2.7
95-63-6	1,2,4-Trimethylbenzene	120.20	3.6	U	24	1.9
135-98-8	sec-Butylbenzene	134.22	4.1	U	27	2.8
99-87-6	4-Isopropyltoluene	134.22	4.1	U	27	2.7
541-73-1	1,3-Dichlorobenzene	147.00	4.4	U	30	3.0
106-46-7	1,4-Dichlorobenzene	147.00	4.4	U	30	2.8

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

Lab Name: TestAmerica Burlington Job No.: 200-27725-1

SDG No.:

Client Sample ID: 101VMP0301GA Lab Sample ID: 200-27725-3

Matrix: Air Lab File ID: 13349-012.D

Analysis Method: TO-15 Date Collected: 04/23/2015 11:30

Sample wt/vol: 30(mL) Date Analyzed: 04/29/2015 20:06

Soil Aliquot Vol: Dilution Factor: 24.6

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 87597 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	3.8	U	25	2.3
104-51-8	n-Butylbenzene	134.22	4.1	U	27	3.8
95-50-1	1,2-Dichlorobenzene	147.00	4.4	U	30	2.7
120-82-1	1,2,4-Trichlorobenzene	181.45	15	U	91	6.2
87-68-3	Hexachlorobutadiene	260.76	21	U	52	9.4
91-20-3	Naphthalene	128.17	10	U	64	3.9

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHX.i\20150429-13349.b\13349-012.D
Lims ID: 200-27725-A-3 Lab Sample ID: 200-27725-3
Client ID: 101VMP0301GA
Sample Type: Client
Inject. Date: 29-Apr-2015 20:06:30 ALS Bottle#: 11 Worklist Smp#: 12
Purge Vol: 200.000 mL Dil. Factor: 24.6000
Sample Info: 200-0013349-012
Misc. Info.: 27725-03
Operator ID: wrd Instrument ID: CHX.i

Method: \\BTV-LIMS1\ChromData\CHX.i\20150429-13349.b\TO15_LLNJ_TO3_CHX.i.m.m
Limit Group: AI_TO15_ICAL
Last Update: 30-Apr-2015 08:55:06 Calib Date: 20-Mar-2015 00:18:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHX.i\20150319-12677.b\12677-011.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK004

First Level Reviewer: lyonsb Date: 30-Apr-2015 08:42:00

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85		3.113				ND	
3 Chlorodifluoromethane	51		3.167				ND	
4 1,2-Dichloro-1,1,2,2-tetra	85		3.375				ND	
5 Chloromethane	50		3.520				ND	
6 Butane	43		3.712				ND	
7 Vinyl chloride	62		3.761				ND	
8 Butadiene	54		3.835				ND	
9 Bromomethane	94		4.510				ND	
10 Chloroethane	64		4.740				ND	
12 Vinyl bromide	106		5.125				ND	
13 Trichlorofluoromethane	101		5.216				ND	
18 1,1,2-Trichloro-1,2,2-trif	101		6.270				ND	
20 1,1-Dichloroethene	96		6.328				ND	
21 Acetone	43	6.564	6.575	-0.011	89	197667	6.25	
22 Carbon disulfide	76		6.724				ND	
23 Isopropyl alcohol	45		6.847				ND	
24 3-Chloro-1-propene	41		7.115				ND	
26 Methylene Chloride	49		7.409				ND	
28 2-Methyl-2-propanol	59		7.618				ND	
29 Methyl tert-butyl ether	73		7.794				ND	
30 trans-1,2-Dichloroethene	61		7.837				ND	
32 Hexane	57		8.206				ND	
33 1,1-Dichloroethane	63		8.720				ND	
35 cis-1,2-Dichloroethene	96		9.838				ND	
36 2-Butanone (MEK)	72	9.875	9.886	-0.011	98	138578	8.19	
S 38 1,2-Dichloroethene, Total	61		10.000				ND	
39 Tetrahydrofuran	42	10.287	10.298	-0.011	87	733110	30.9	
* 40 Chlorobromomethane	128	10.309	10.314	-0.005	80	344995	10.0	
41 Chloroform	83		10.437				ND	
42 Cyclohexane	84		10.678				ND	
43 1,1,1-Trichloroethane	97		10.715				ND	

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
	44 Carbon tetrachloride	117		10.967				ND	
	45 Isooctane	57		11.395				ND	
	46 Benzene	78		11.448				ND	
	47 1,2-Dichloroethane	62		11.646				ND	
	48 n-Heptane	43		11.785				ND	
*	50 1,4-Difluorobenzene	114	12.299	12.304	-0.005	93	1673646	10.0	
	52 Trichloroethene	95	12.786	12.786	0.000	96	12002	0.2570	
	53 1,2-Dichloropropane	63		13.379				ND	
	54 Methyl methacrylate	69		13.529				ND	
	55 1,4-Dioxane	88		13.593				ND	
	57 Dichlorobromomethane	83		13.957				ND	
	58 cis-1,3-Dichloropropene	75		14.931				ND	
	61 4-Methyl-2-pentanone (MIBK	43	15.214	15.220	-0.006	95	206628	3.24	
	62 Toluene	92	15.535	15.535	0.000	93	738203	9.93	
	67 trans-1,3-Dichloropropene	75		16.156				ND	
	68 1,1,2-Trichloroethane	83		16.546				ND	
	69 Tetrachloroethene	166	16.637	16.637	0.000	97	8804	0.1179	
	70 2-Hexanone	43		16.985				ND	
	71 Chlorodibromomethane	129		17.327				ND	
	72 Ethylene Dibromide	107		17.611				ND	
*	73 Chlorobenzene-d5	117	18.515	18.520	-0.005	84	1470696	10.0	
	74 Chlorobenzene	112		18.579				ND	
	75 Ethylbenzene	91	18.724	18.724	0.000	97	31589	0.1920	
	77 m-Xylene & p-Xylene	106	18.970	18.975	-0.005	99	51114	0.7514	
	78 o-Xylene	106	19.783	19.783	0.000	94	18816	0.2797	
	79 Styrene	104	19.831	19.836	-0.005	95	11701	0.1110	
S	80 Xylenes, Total	106				0		1.03	
	81 Bromoform	173		20.243				ND	
	82 Isopropylbenzene	105		20.414				ND	
*	83 4-Bromofluorobenzene	95	20.773	20.773	0.000	98	987890	10.0	
	85 1,1,2,2-Tetrachloroethane	83		21.040				ND	
	86 N-Propylbenzene	91		21.094				ND	
	89 4-Ethyltoluene	105		21.276				ND	
	90 2-Chlorotoluene	91		21.297				ND	
	91 1,3,5-Trimethylbenzene	105		21.372				ND	
	93 tert-Butylbenzene	119		21.848				ND	
	94 1,2,4-Trimethylbenzene	105		21.939				ND	
	95 sec-Butylbenzene	105		22.158				ND	
	96 4-Isopropyltoluene	119		22.356				ND	
	97 1,3-Dichlorobenzene	146		22.404				ND	
	98 1,4-Dichlorobenzene	146		22.543				ND	
	99 Benzyl chloride	91		22.747				ND	
	101 n-Butylbenzene	91		22.950				ND	
	102 1,2-Dichlorobenzene	146		23.105				ND	
	104 1,2,4-Trichlorobenzene	180		25.759				ND	
	105 Hexachlorobutadiene	225		25.940				ND	
	106 Naphthalene	128		26.294				ND	

Reagents:

ATTO15GIS_00009 Amount Added: 20.00 Units: mL Run Reagent

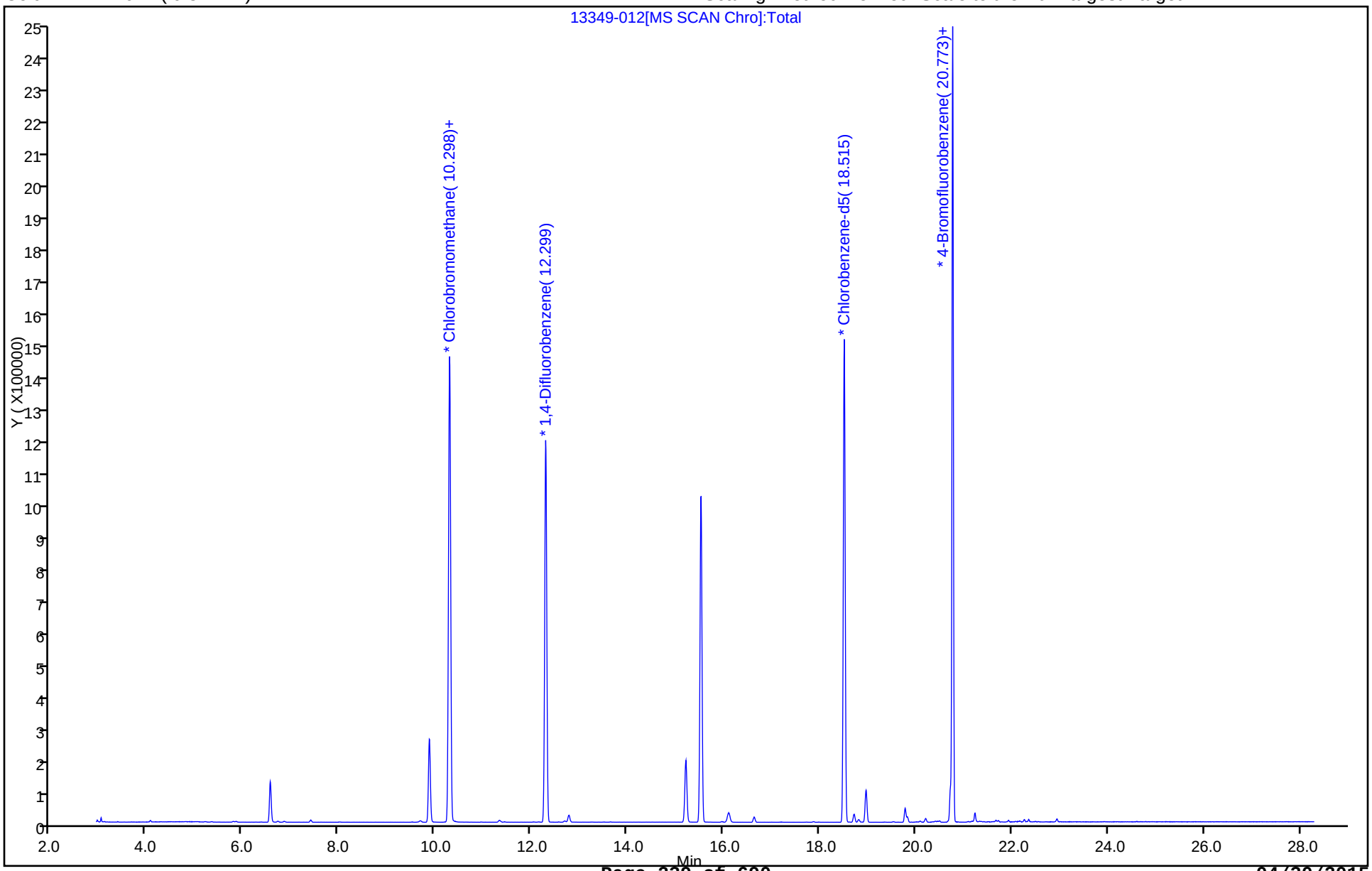
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TestAmerica Burlington

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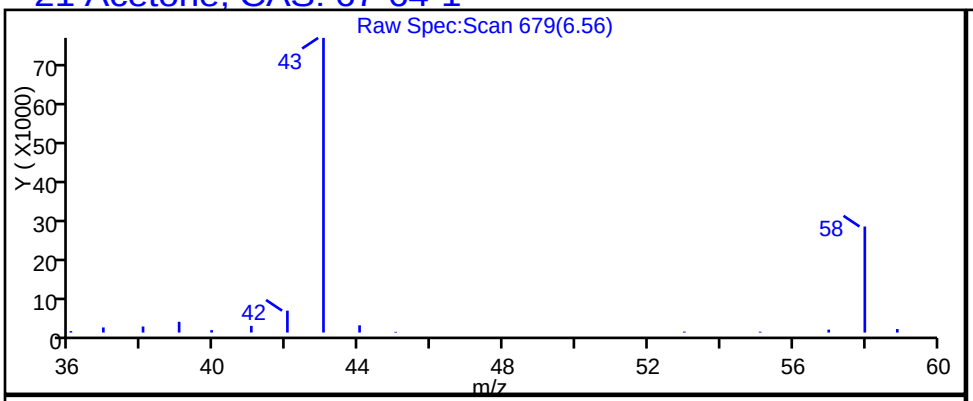
Injection Date:	29-Apr-2015 20:06:30	Instrument ID:	CHX.i	Operator ID:	wrd
Lims ID:	200-27725-A-3	Lab Sample ID:	200-27725-3	Worklist Smp#:	12
Client ID:	101VMP0301GA				
Purge Vol:	200.000 mL	Dil. Factor:	24.6000	ALS Bottle#:	11
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		

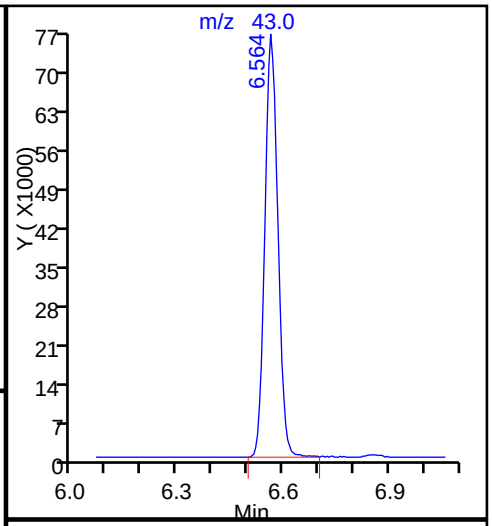
Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1

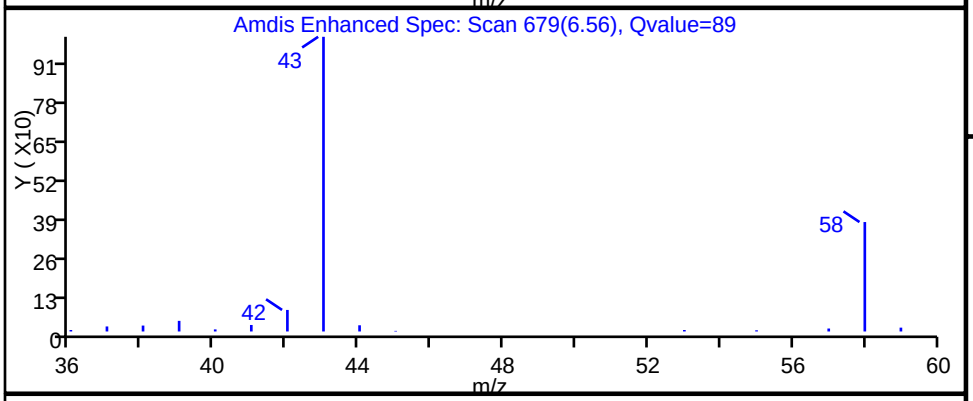


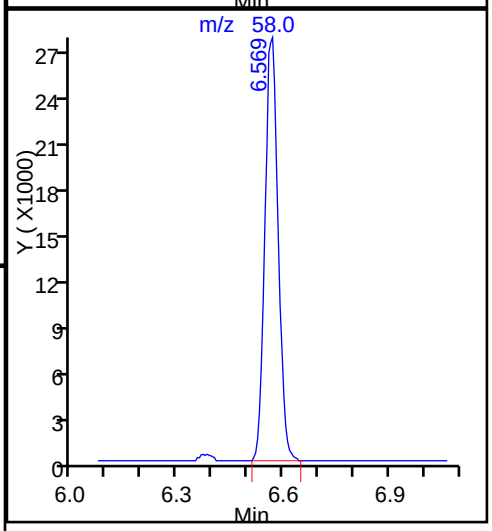
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Injection Date: 29-Apr-2015 20:06:30 Instrument ID: CHX.i
Lims ID: 200-27725-A-3 Lab Sample ID: 200-27725-3
Client ID: 101VMP0301GA
Operator ID: wrd ALS Bottle#: 11 Worklist Smp#: 12
Purge Vol: 200.000 mL Dil. Factor: 24.6000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

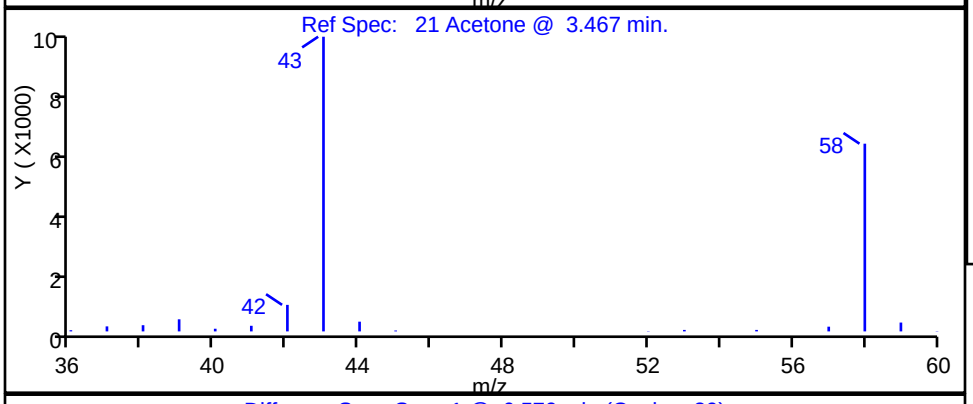
21 Acetone, CAS: 67-64-1

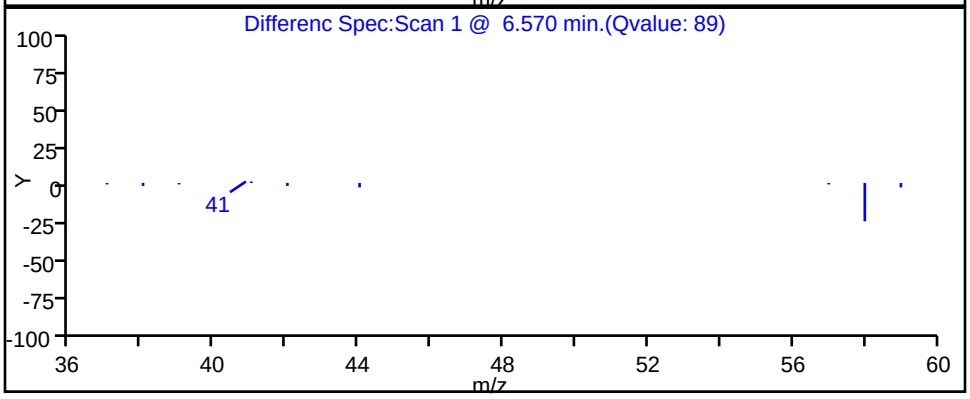






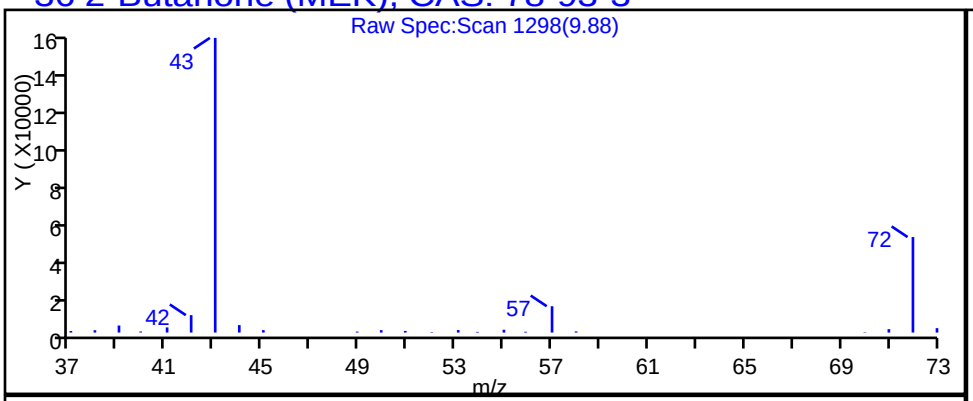


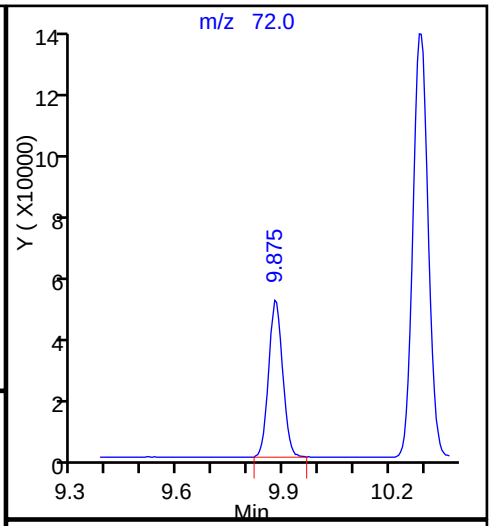


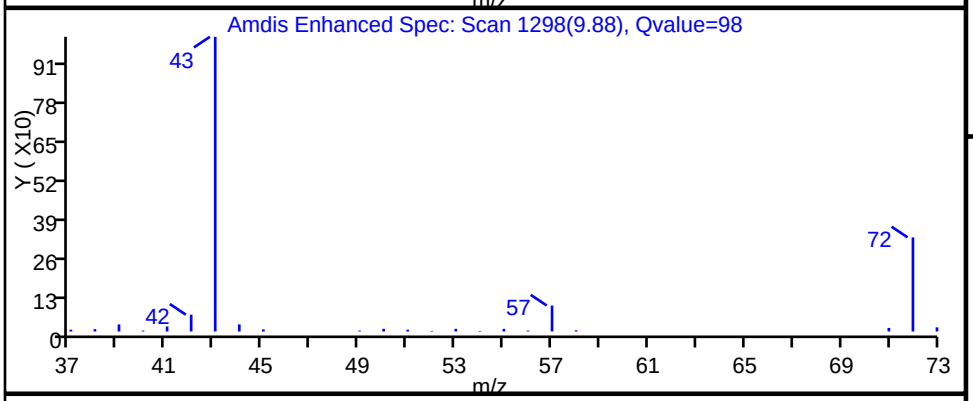


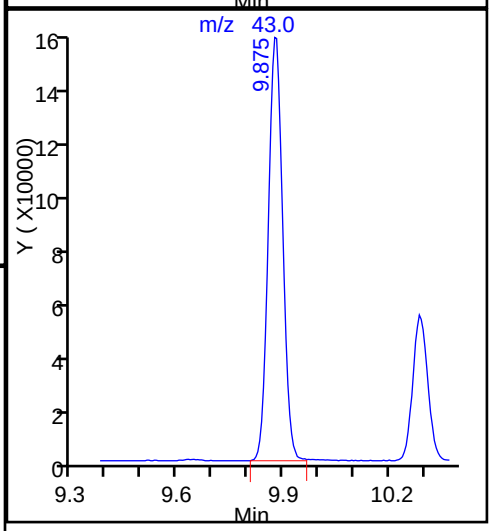
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Injection Date: 29-Apr-2015 20:06:30 Instrument ID: CHX.i
Lims ID: 200-27725-A-3 Lab Sample ID: 200-27725-3
Client ID: 101VMP0301GA
Operator ID: wrd ALS Bottle#: 11 Worklist Smp#: 12
Purge Vol: 200.000 mL Dil. Factor: 24.6000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

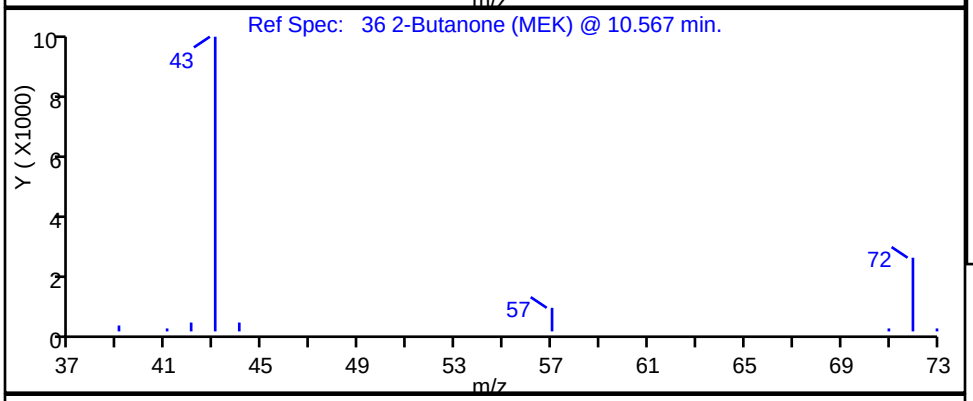
36 2-Butanone (MEK), CAS: 78-93-3

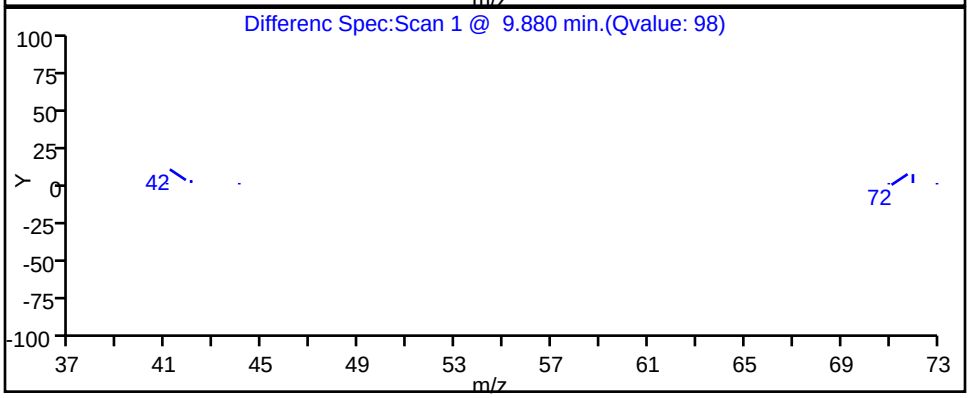










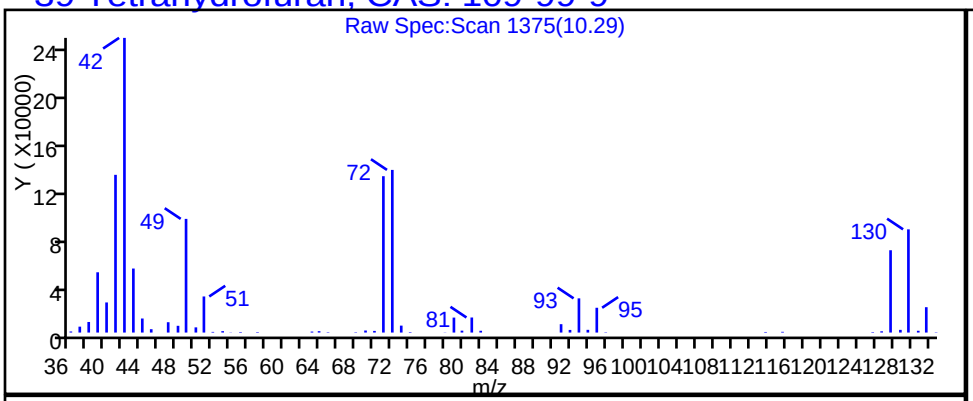


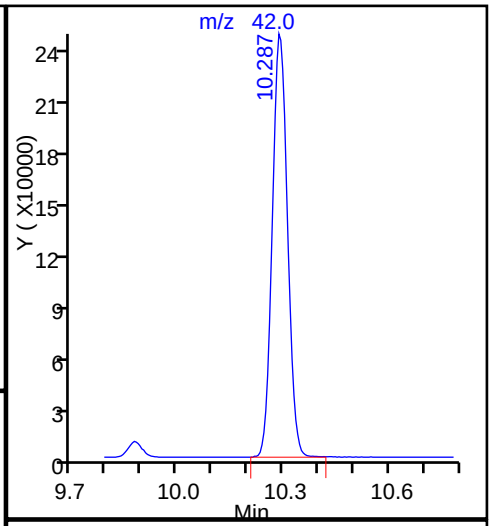
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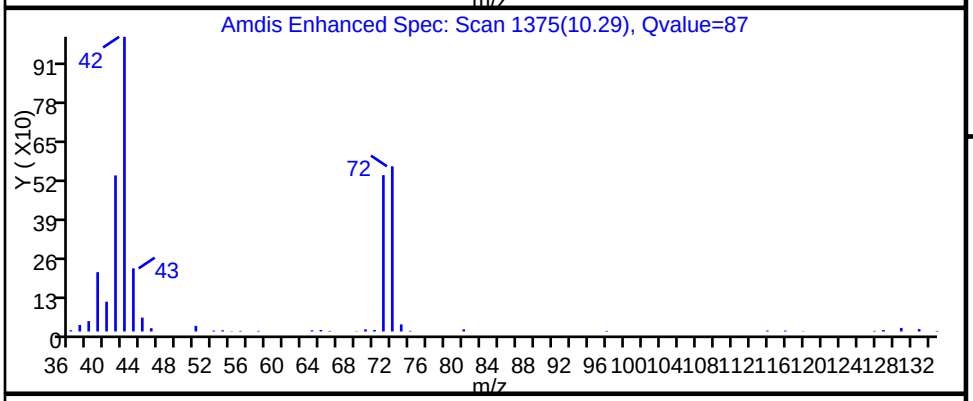
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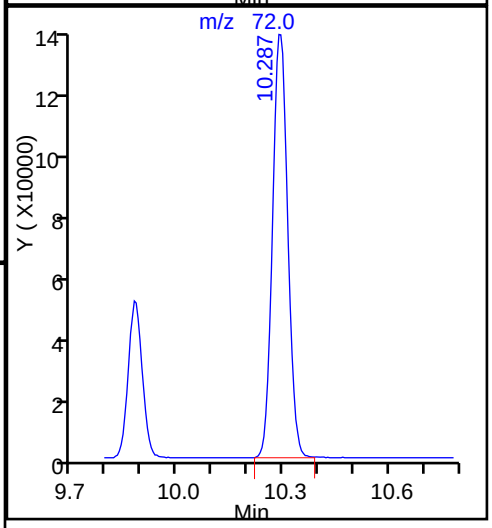
Injection Date:	29-Apr-2015 20:06:30	Instrument ID:	CHX.i		
Lims ID:	200-27725-A-3	Lab Sample ID:	200-27725-3		
Client ID:	101VMP0301GA				
Operator ID:	wrd	ALS Bottle#:	11	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	24.6000		
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

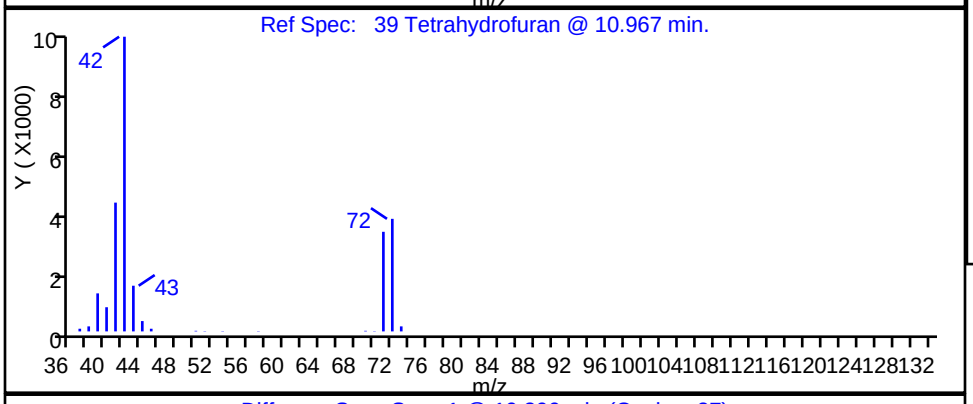
39 Tetrahydrofuran, CAS: 109-99-9

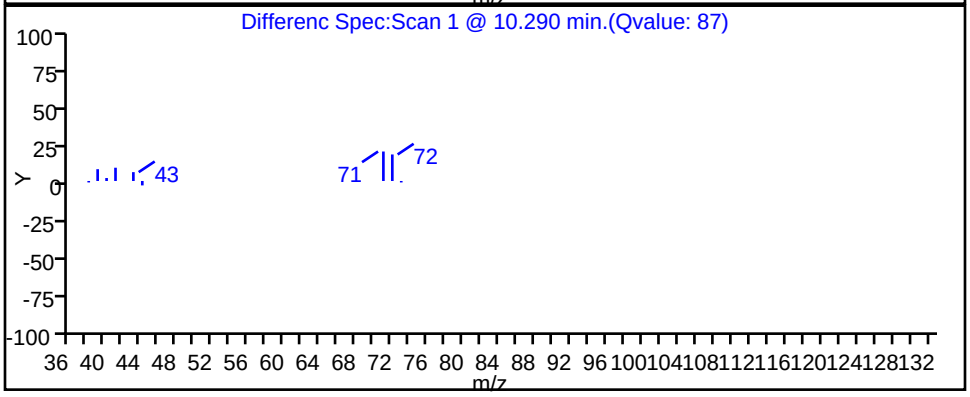






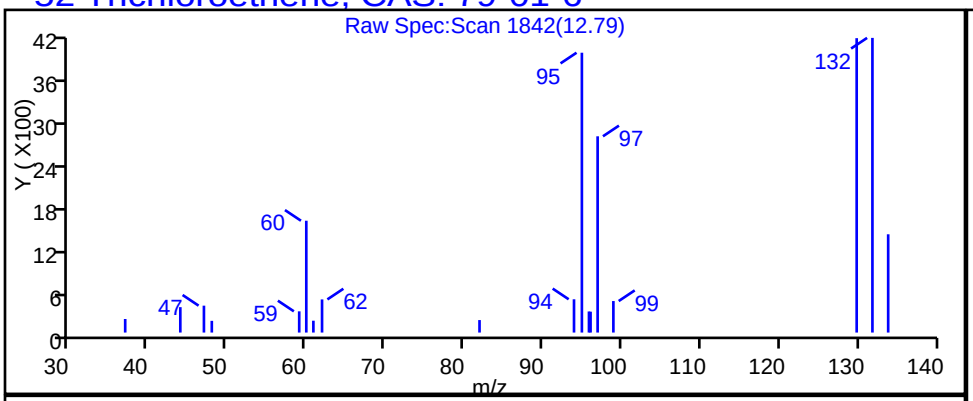


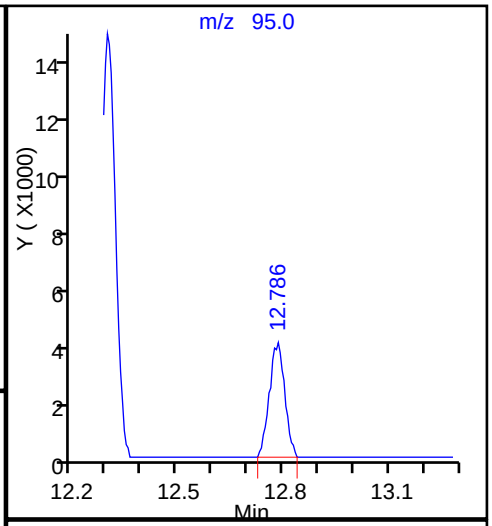


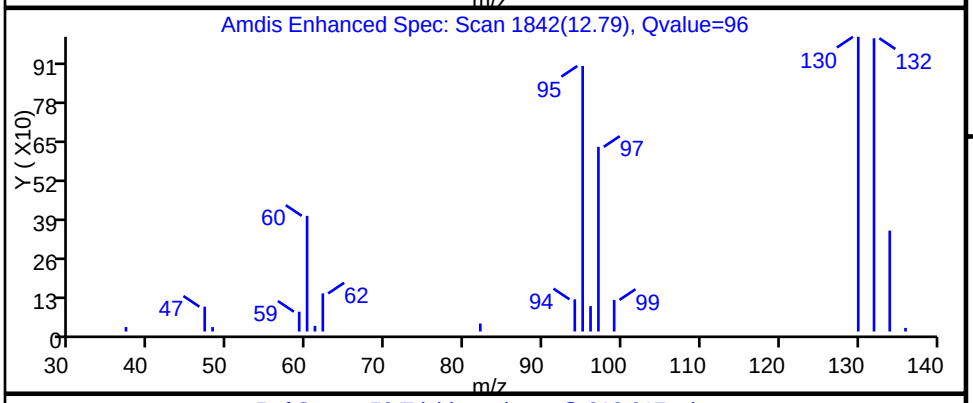


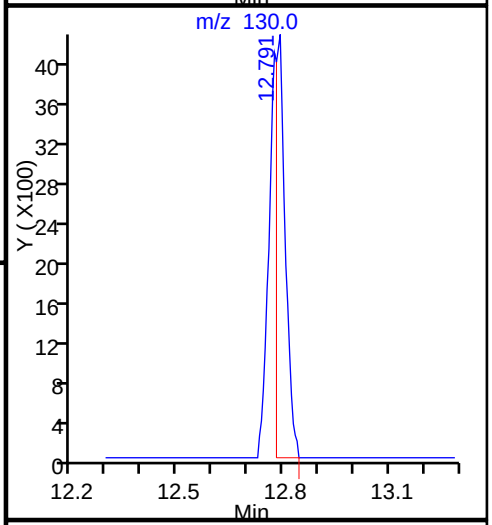
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Injection Date: 29-Apr-2015 20:06:30 Instrument ID: CHX.i
Lims ID: 200-27725-A-3 Lab Sample ID: 200-27725-3
Client ID: 101VMP0301GA
Operator ID: wrd ALS Bottle#: 11 Worklist Smp#: 12
Purge Vol: 200.000 mL Dil. Factor: 24.6000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

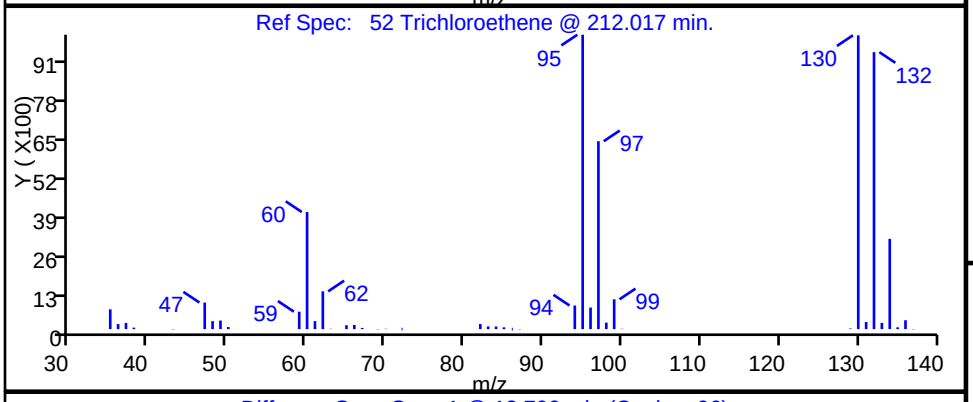
52 Trichloroethene, CAS: 79-01-6

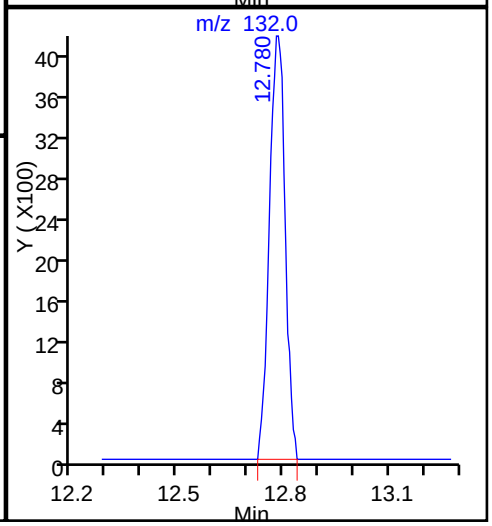


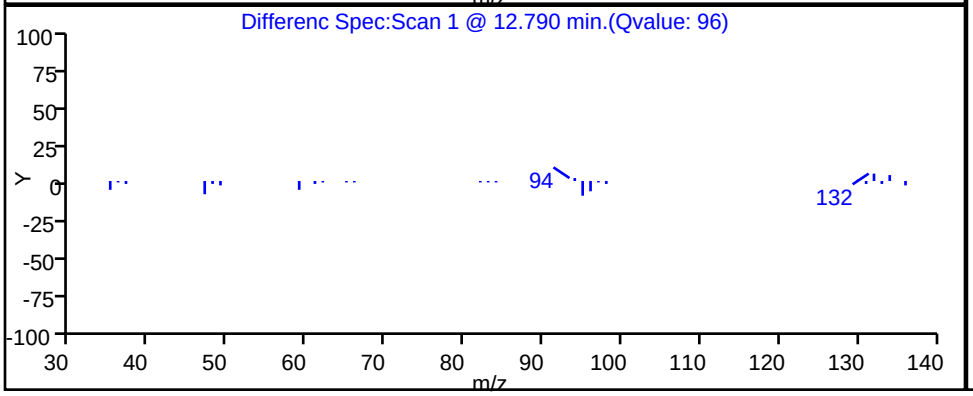










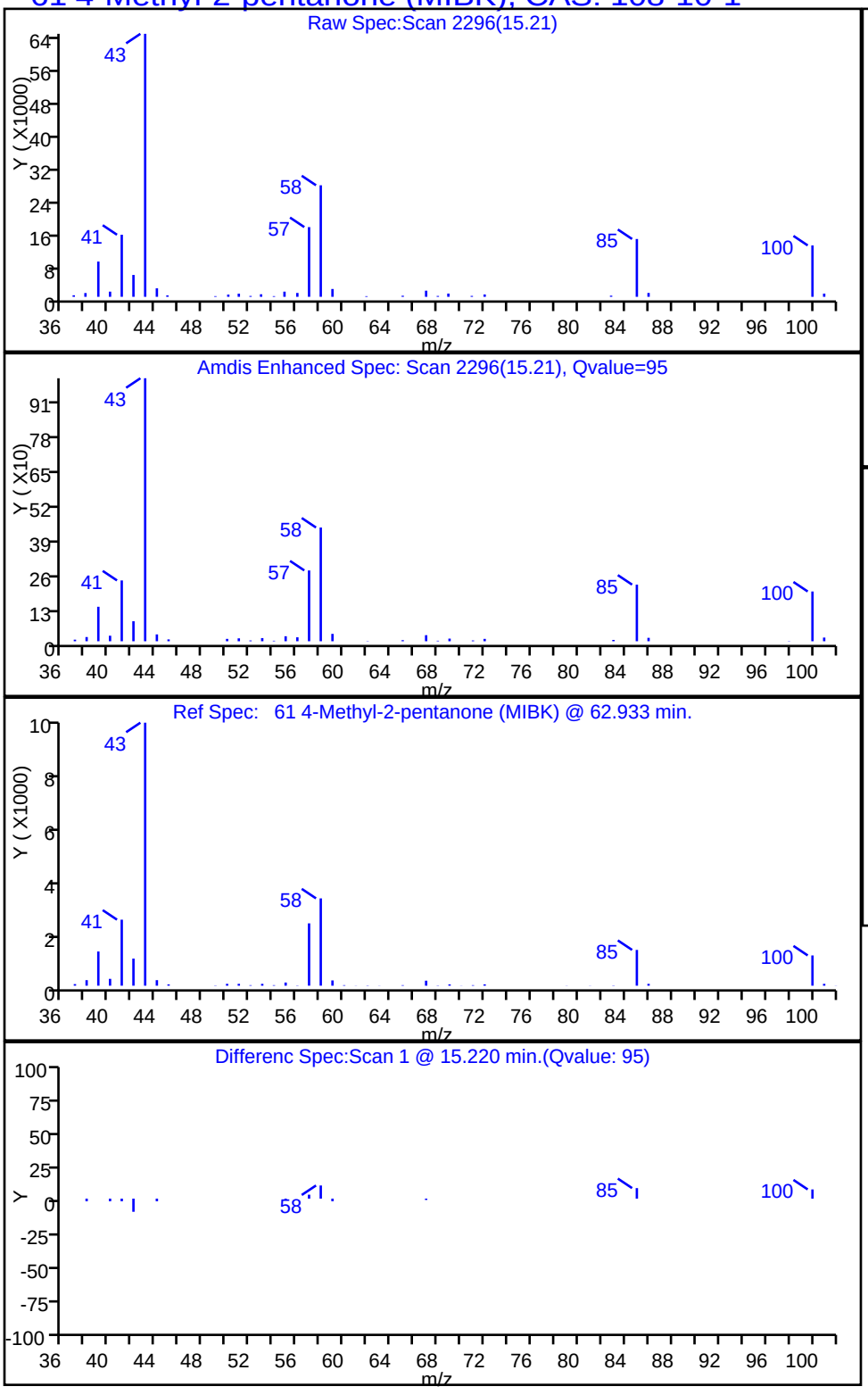


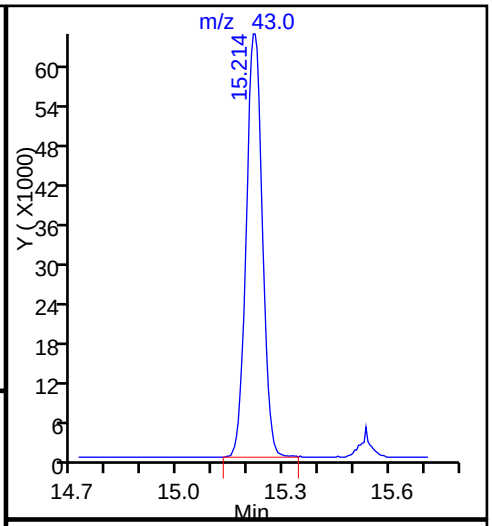
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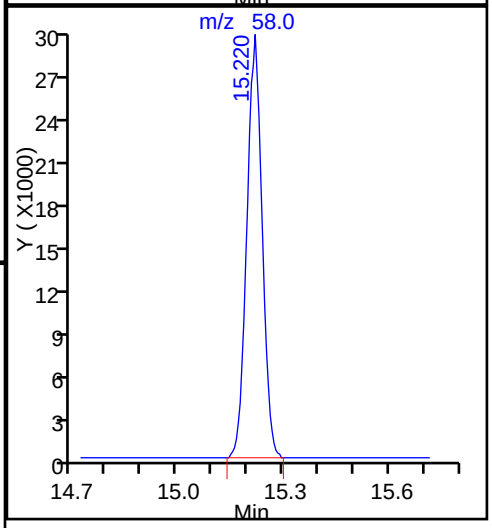
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Injection Date:	29-Apr-2015 20:06:30	Instrument ID:	CHX.i		
Lims ID:	200-27725-A-3	Lab Sample ID:	200-27725-3		
Client ID:	101VMP0301GA				
Operator ID:	wrd	ALS Bottle#:	11	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	24.6000		
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

61 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

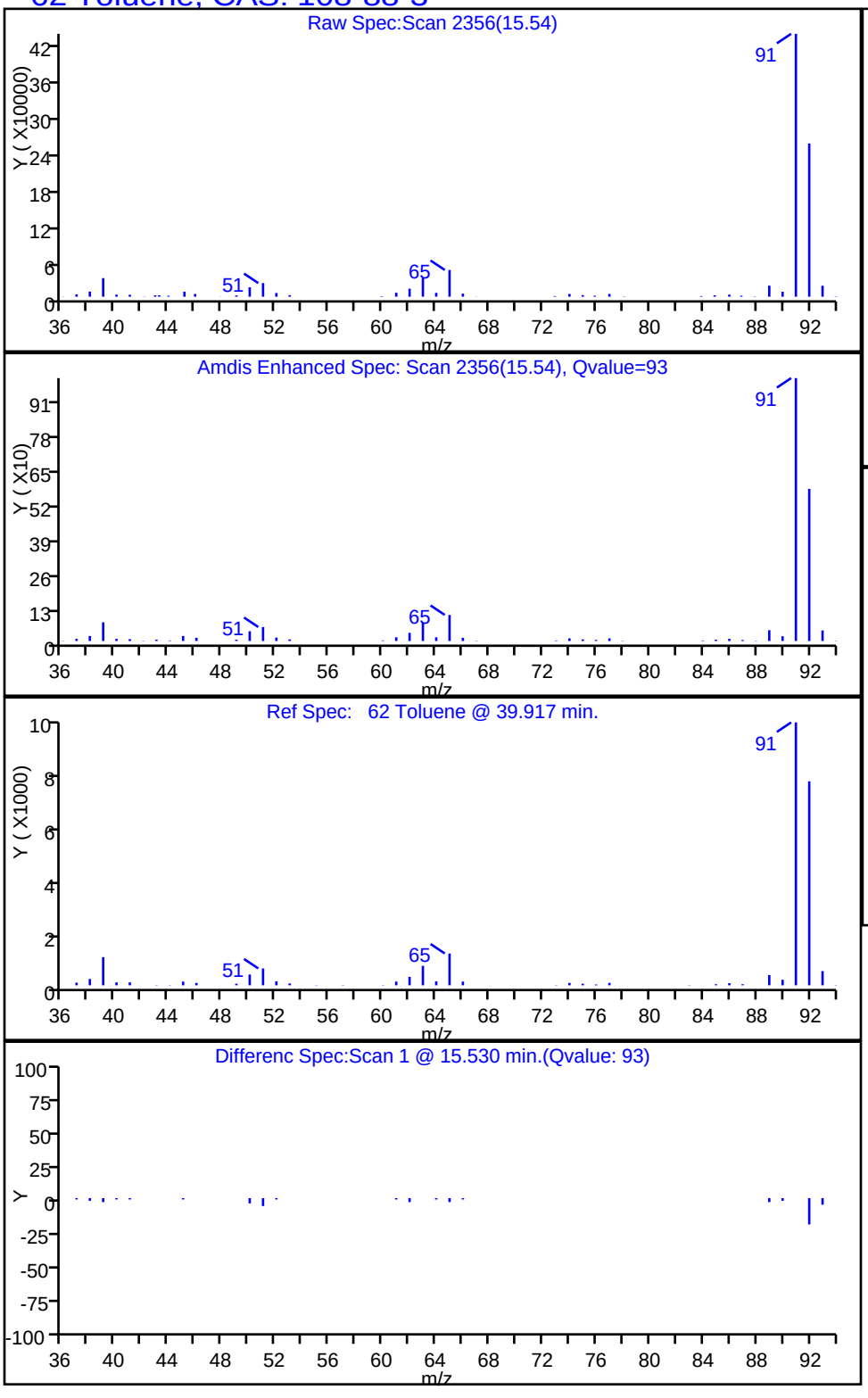


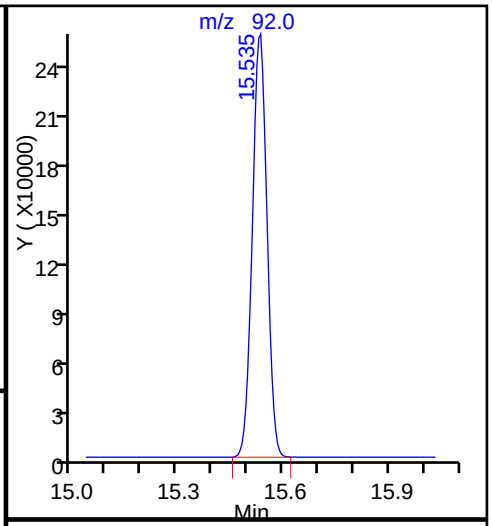


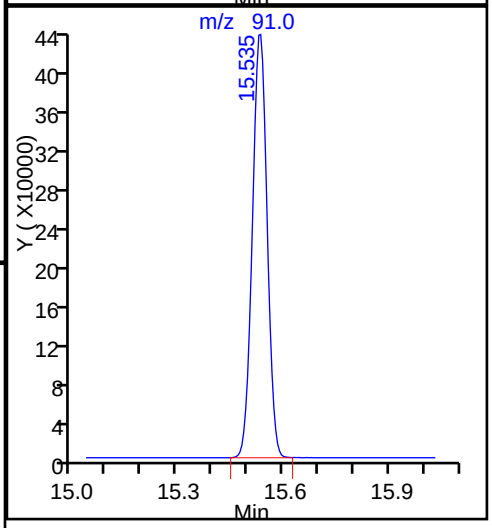


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Injection Date: 29-Apr-2015 20:06:30 Instrument ID: CHX.i
Lims ID: 200-27725-A-3 Lab Sample ID: 200-27725-3
Client ID: 101VMP0301GA
Operator ID: wrd ALS Bottle#: 11 Worklist Smp#: 12
Purge Vol: 200.000 mL Dil. Factor: 24.6000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

62 Toluene, CAS: 108-88-3



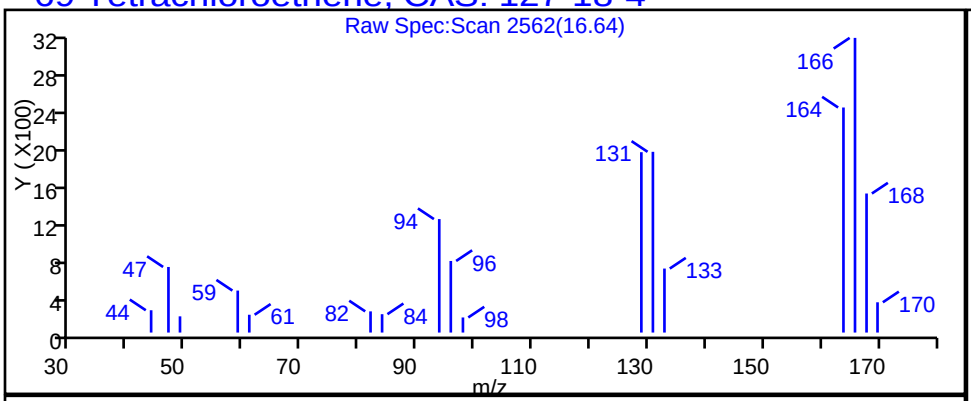


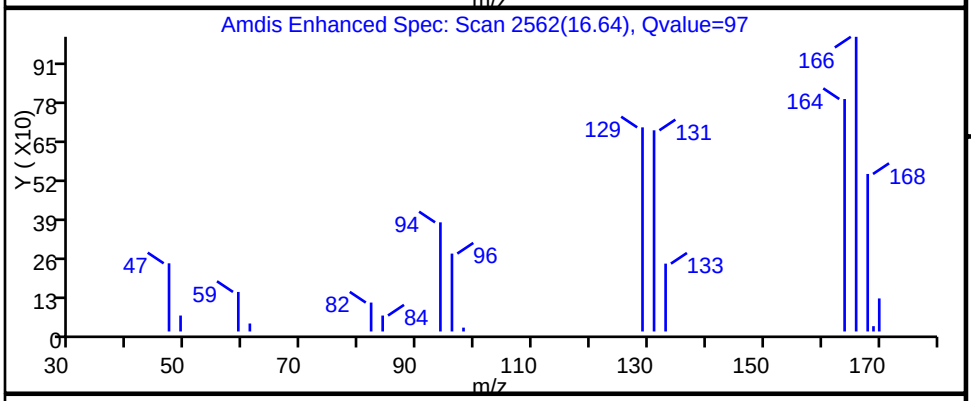


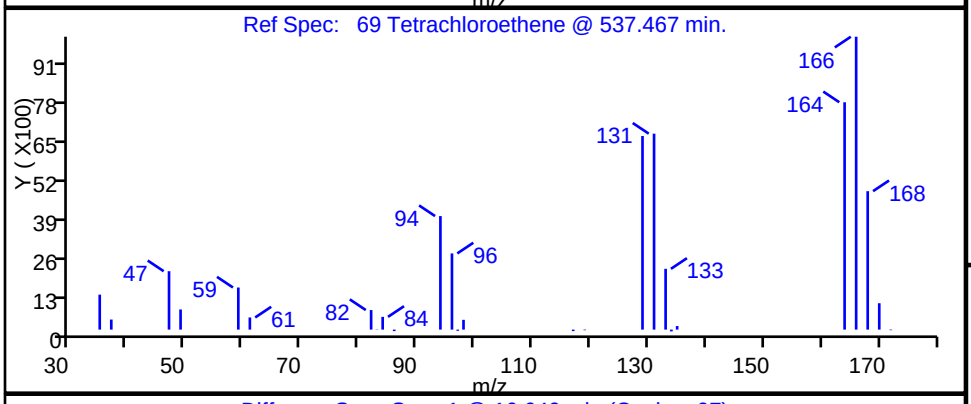
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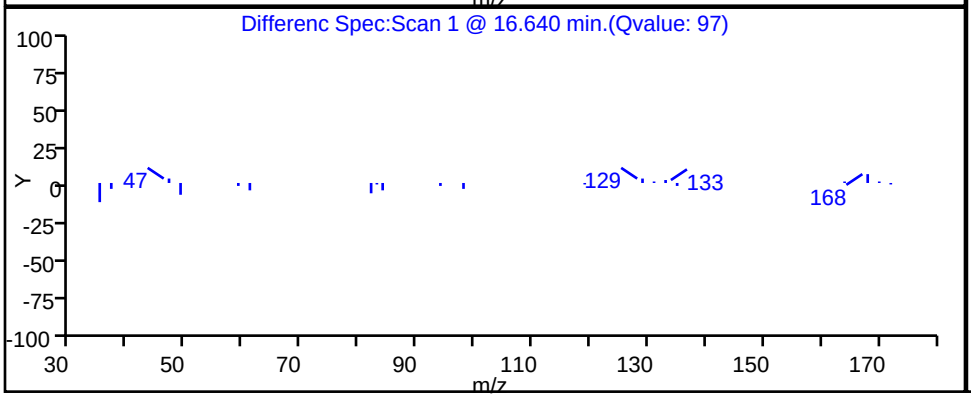
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Injection Date: 29-Apr-2015 20:06:30 Instrument ID: CHX.i
Lims ID: 200-27725-A-3 Lab Sample ID: 200-27725-3
Client ID: 101VMP0301GA
Operator ID: wrd ALS Bottle#: 11 Worklist Smp#: 12
Purge Vol: 200.000 mL Dil. Factor: 24.6000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

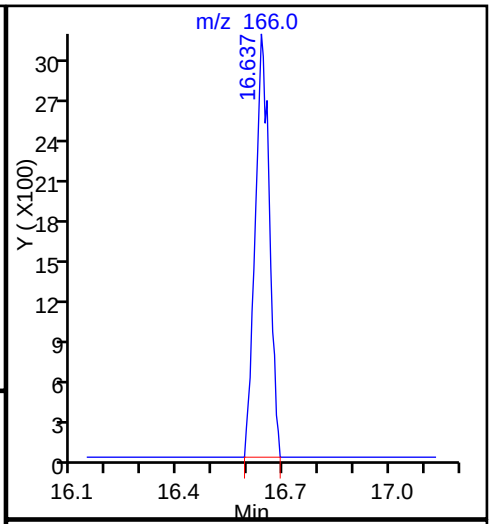
69 Tetrachloroethene, CAS: 127-18-4

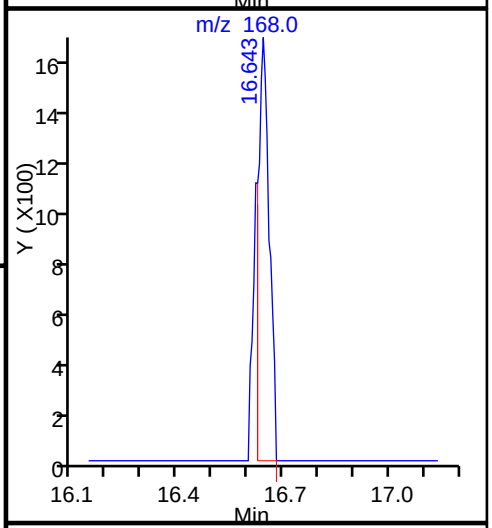


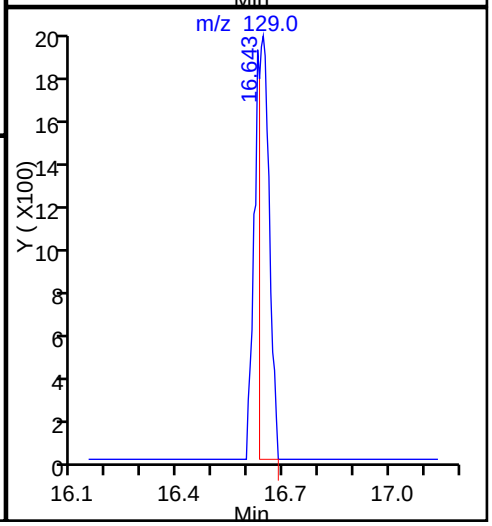








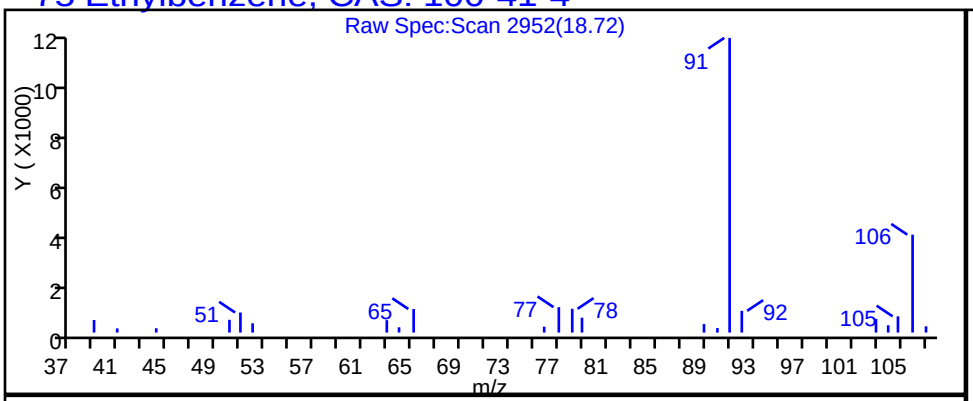


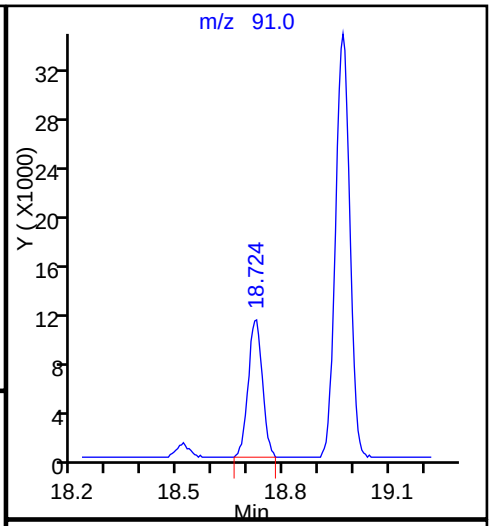


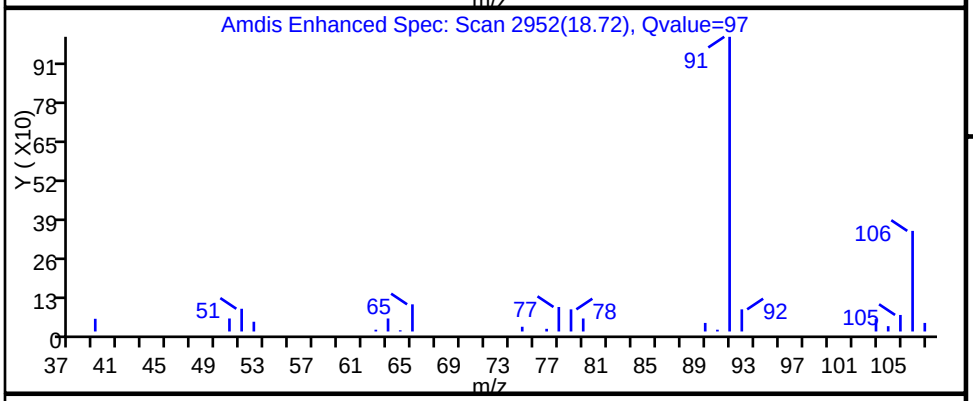
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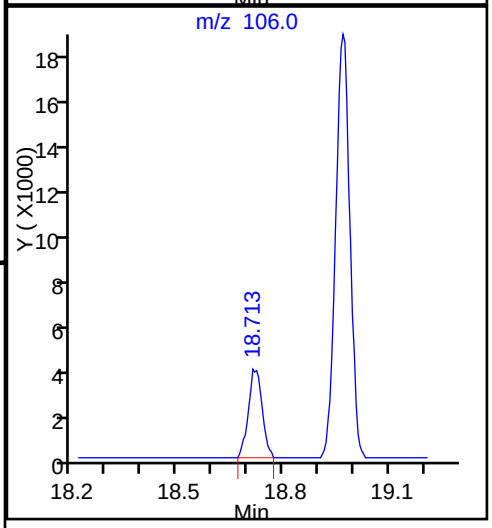
Data File: \\BTV-LIMS1\ChromData\CHX.i\20150429-13349.b\13349-012.D
Injection Date: 29-Apr-2015 20:06:30 Instrument ID: CHX.i
Lims ID: 200-27725-A-3 Lab Sample ID: 200-27725-3
Client ID: 101VMP0301GA
Operator ID: wrd ALS Bottle#: 11 Worklist Smp#: 12
Purge Vol: 200.000 mL Dil. Factor: 24.6000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

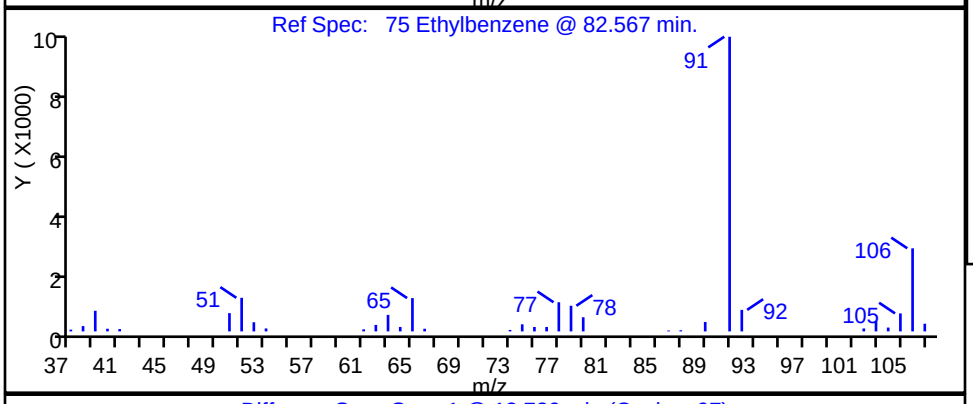
75 Ethylbenzene, CAS: 100-41-4

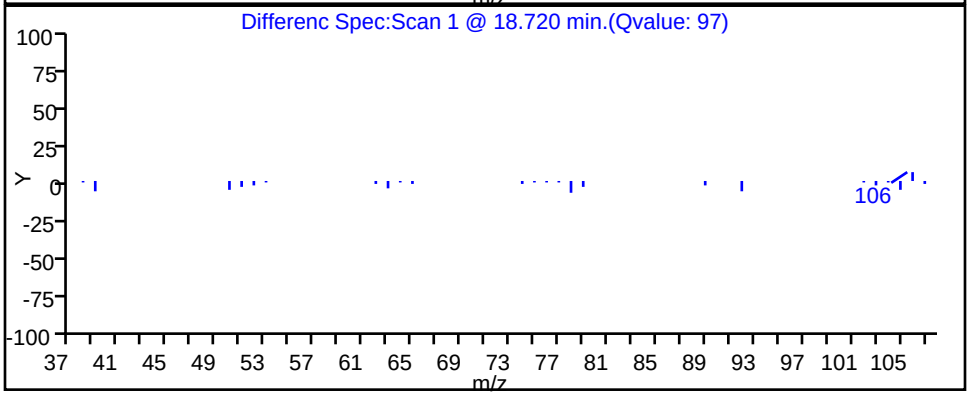








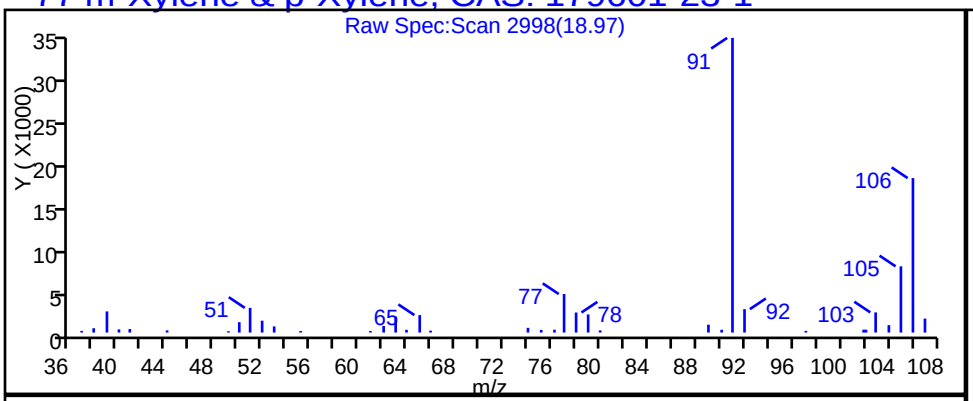


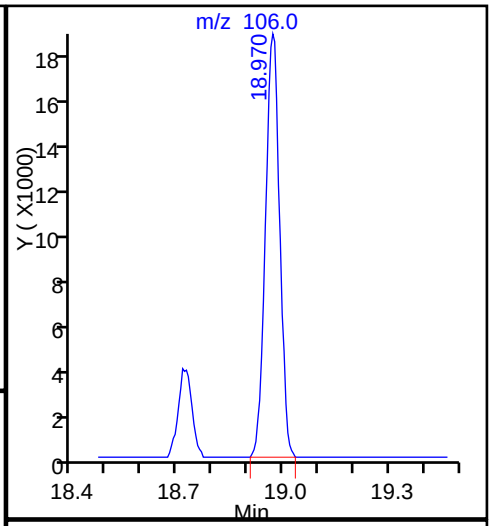


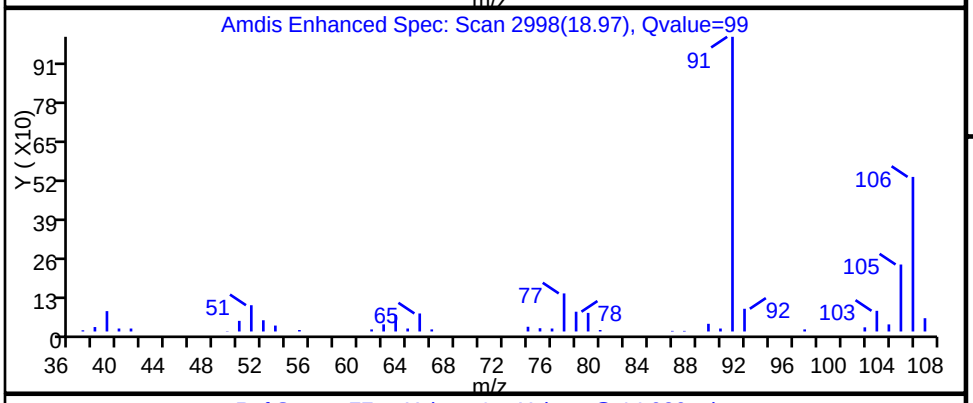
TestAmerica Burlington

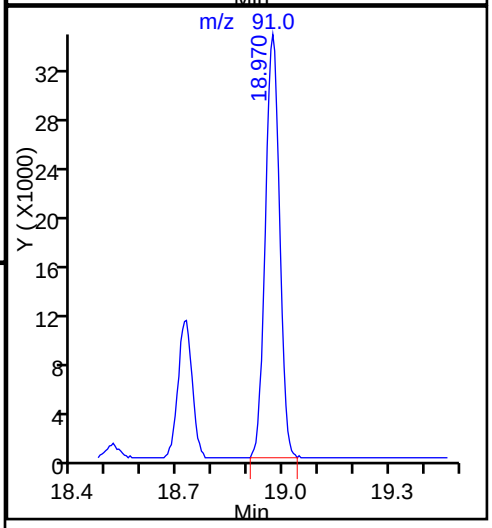
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Injection Date:	29-Apr-2015 20:06:30	Instrument ID:	CHX.i		
Lims ID:	200-27725-A-3	Lab Sample ID:	200-27725-3		
Client ID:	101VMP0301GA				
Operator ID:	wrd	ALS Bottle#:	11	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	24.6000		
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

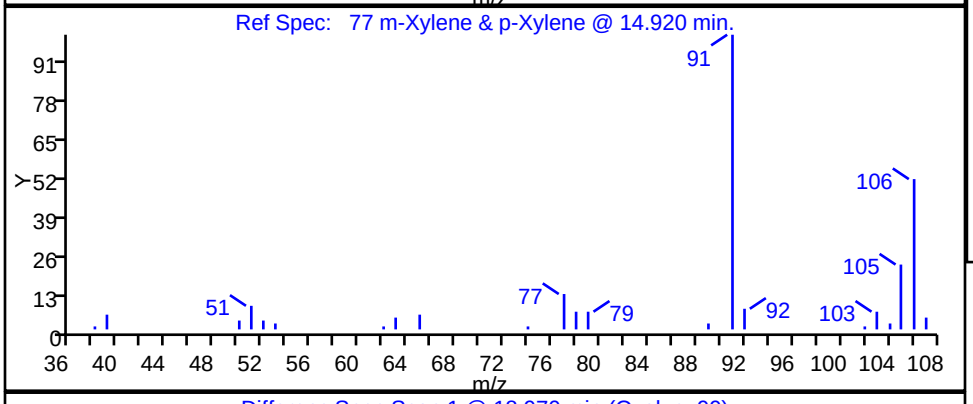
77 m-Xylene & p-Xylene, CAS: 179601-23-1

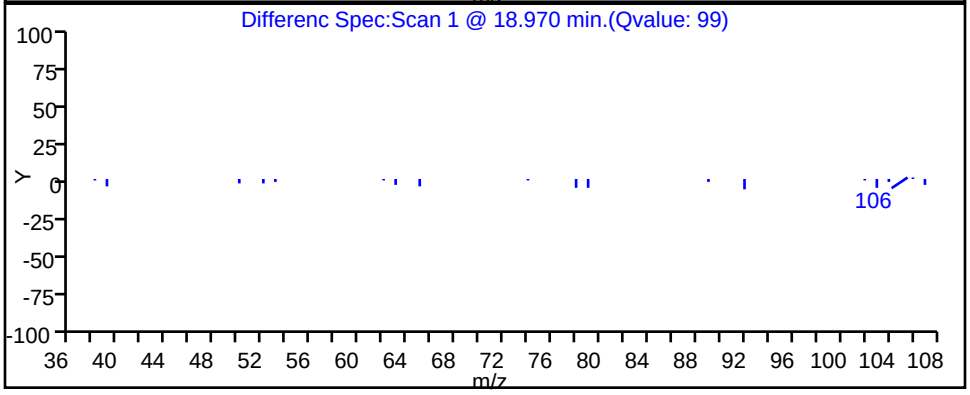










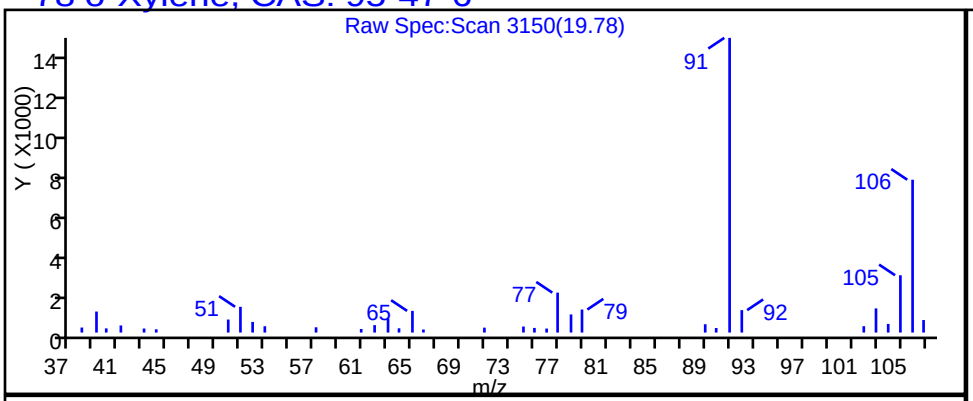


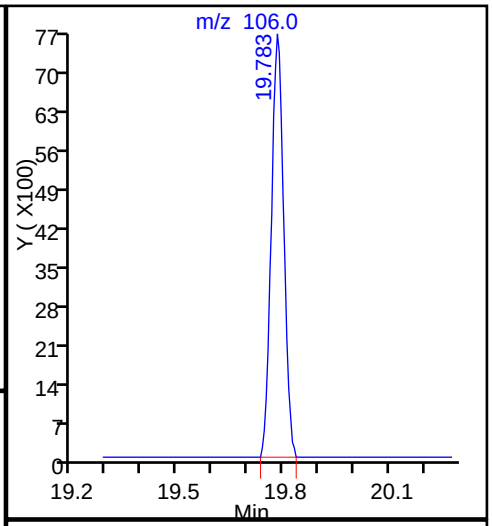
TestAmerica Burlington

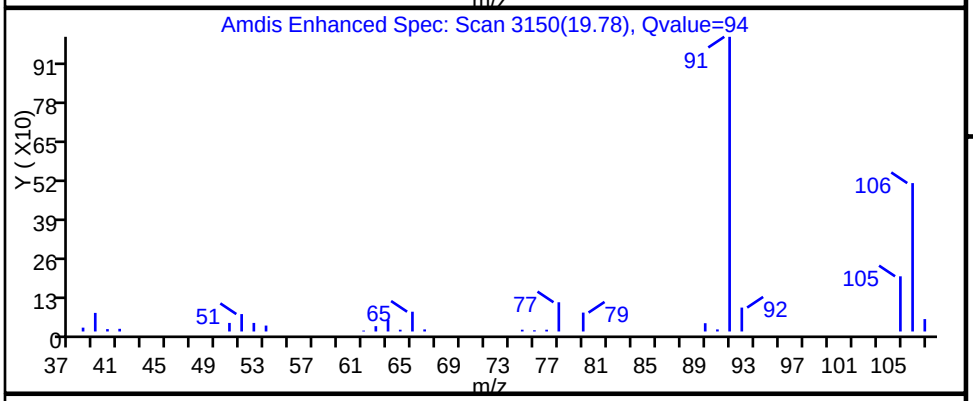
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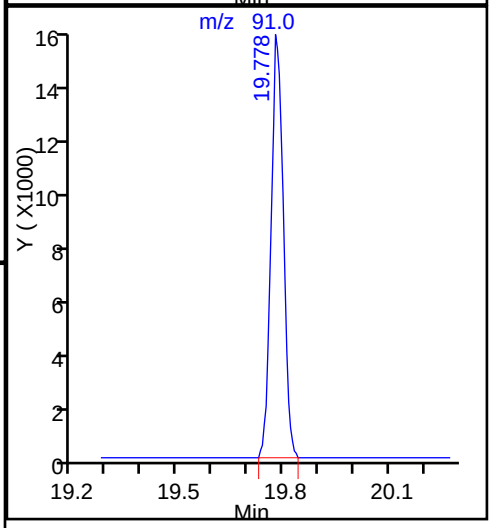
Injection Date:	29-Apr-2015 20:06:30	Instrument ID:	CHX.i		
Lims ID:	200-27725-A-3	Lab Sample ID:	200-27725-3		
Client ID:	101VMP0301GA				
Operator ID:	wrd	ALS Bottle#:	11	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	24.6000		
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

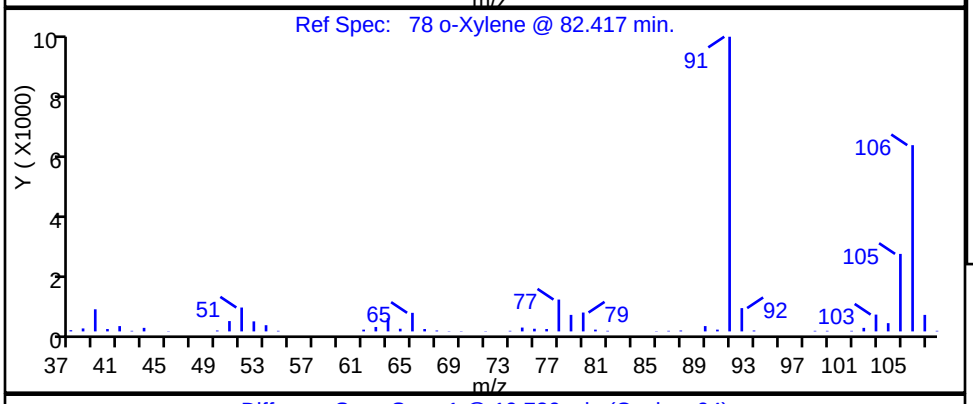
78 o-Xylene, CAS: 95-47-6

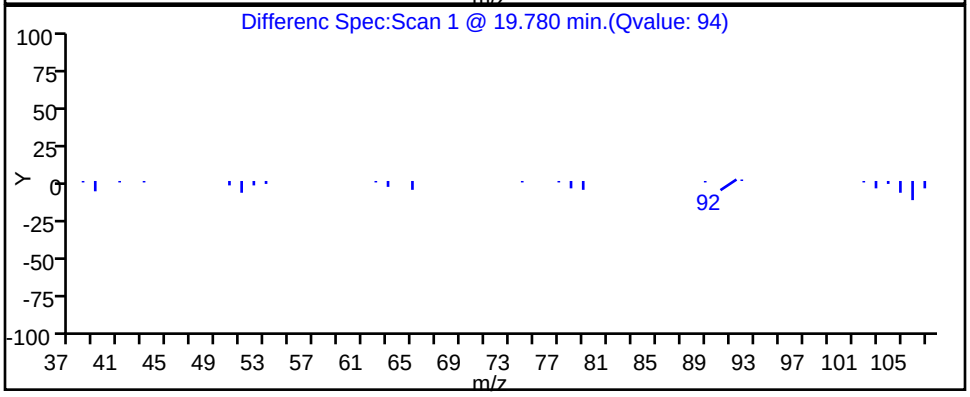










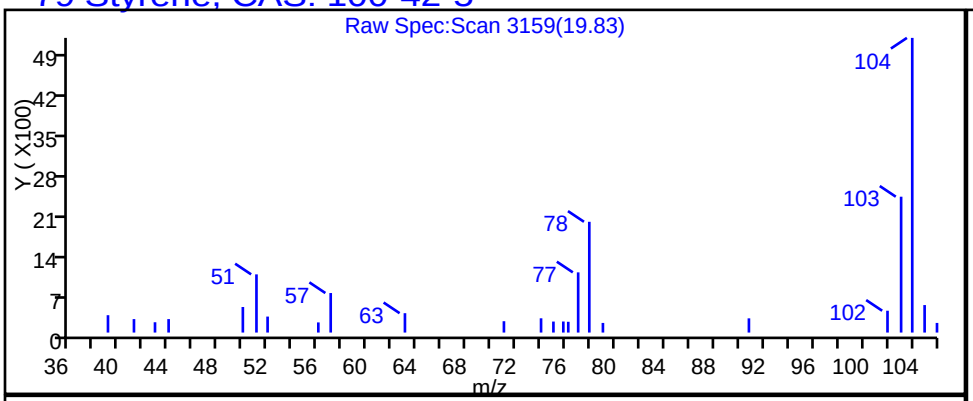


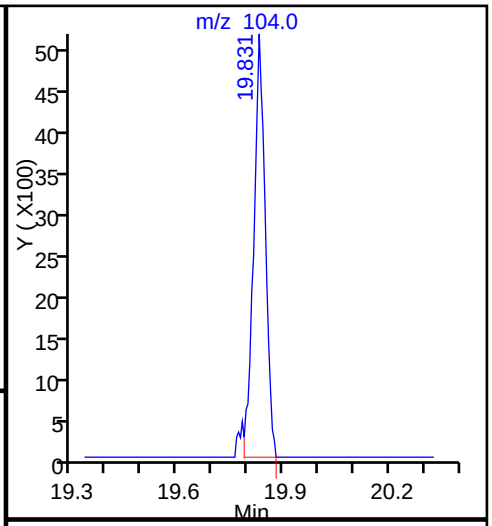
TestAmerica Burlington

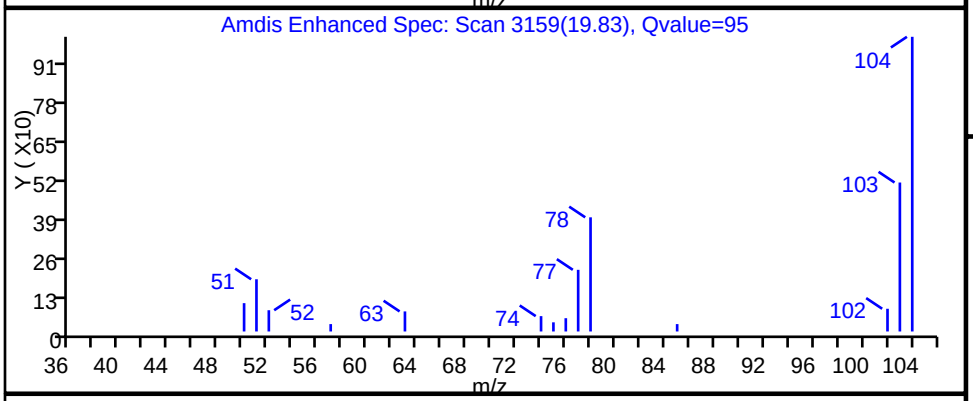
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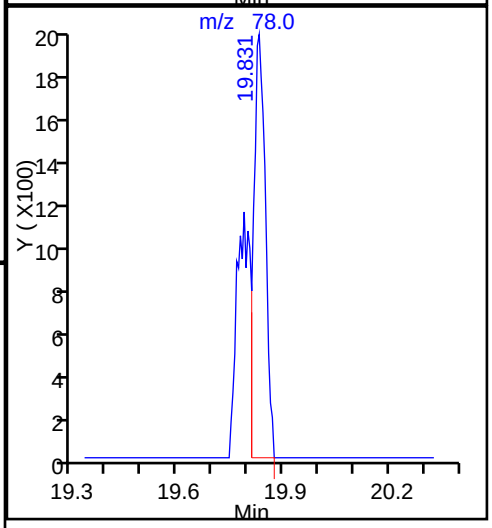
Injection Date:	29-Apr-2015 20:06:30	Instrument ID:	CHX.i		
Lims ID:	200-27725-A-3	Lab Sample ID:	200-27725-3		
Client ID:	101VMP0301GA				
Operator ID:	wrd	ALS Bottle#:	11	Worklist Smp#:	12
Purge Vol:	200.000 mL	Dil. Factor:	24.6000		
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

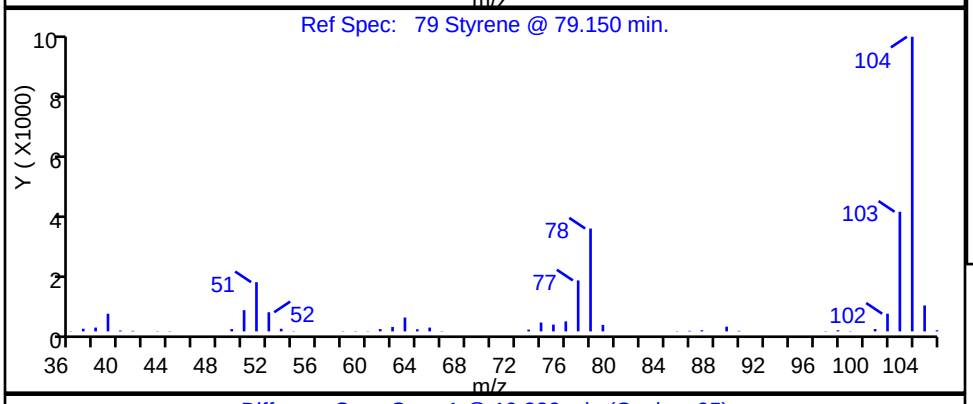
79 Styrene, CAS: 100-42-5

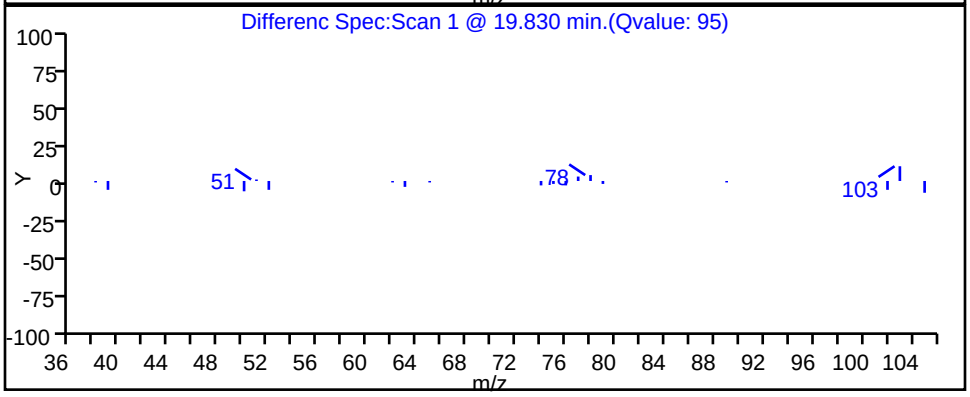












FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-27725-1

SDG No.:

Client Sample ID: 101VMP0101GC Lab Sample ID: 200-27725-4

Matrix: Air Lab File ID: 13349-013.D

Analysis Method: TO-15 Date Collected: 04/23/2015 11:35

Sample wt/vol: 200(mL) Date Analyzed: 04/29/2015 20:55

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 87597 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	0.46	J	0.50	0.056
75-45-6	Freon 22	86.47	0.45	J	0.50	0.080
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.080	U	0.20	0.052
74-87-3	Chloromethane	50.49	0.20	U	0.50	0.060
106-97-8	n-Butane	58.12	8.6		0.50	0.18
75-01-4	Vinyl chloride	62.50	0.030	U	0.20	0.026
106-99-0	1,3-Butadiene	54.09	0.080	U	0.20	0.036
74-83-9	Bromomethane	94.94	0.080	U	0.20	0.044
75-00-3	Chloroethane	64.52	0.080	U	0.50	0.061
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.030	U	0.20	0.020
75-69-4	Trichlorofluoromethane	137.37	0.80		0.20	0.045
76-13-1	Freon TF	187.38	0.093	J	0.20	0.041
75-35-4	1,1-Dichloroethene	96.94	0.030	U	0.20	0.010
67-64-1	Acetone	58.08	21		5.0	0.69
67-63-0	Isopropyl alcohol	60.10	3.4	J	5.0	0.15
75-15-0	Carbon disulfide	76.14	1.5		0.50	0.030
107-05-1	3-Chloropropene	76.53	0.20	U	0.50	0.16
75-09-2	Methylene Chloride	84.93	0.35	J	0.50	0.12
75-65-0	tert-Butyl alcohol	74.12	1.3	J	5.0	0.12
1634-04-4	Methyl tert-butyl ether	88.15	0.030	U	0.20	0.022
156-60-5	trans-1,2-Dichloroethene	96.94	0.030	U	0.20	0.027
110-54-3	n-Hexane	86.17	0.73		0.20	0.028
75-34-3	1,1-Dichloroethane	98.96	0.033	J	0.20	0.028
78-93-3	Methyl Ethyl Ketone	72.11	12		0.50	0.092
156-59-2	cis-1,2-Dichloroethene	96.94	0.080	U	0.20	0.030
540-59-0	1,2-Dichloroethene, Total	96.94	0.080	U	0.20	0.053
67-66-3	Chloroform	119.38	17		0.20	0.038
109-99-9	Tetrahydrofuran	72.11	39		5.0	0.18
71-55-6	1,1,1-Trichloroethane	133.41	0.14	J	0.20	0.030
110-82-7	Cyclohexane	84.16	0.30		0.20	0.010
56-23-5	Carbon tetrachloride	153.81	0.12	J	0.20	0.011
540-84-1	2,2,4-Trimethylpentane	114.23	0.13	J	0.20	0.023
71-43-2	Benzene	78.11	0.38		0.20	0.029
107-06-2	1,2-Dichloroethane	98.96	0.080	U	0.20	0.052

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

Lab Name: TestAmerica Burlington Job No.: 200-27725-1

SDG No.:

Client Sample ID: 101VMP0101GC Lab Sample ID: 200-27725-4

Matrix: Air Lab File ID: 13349-013.D

Analysis Method: TO-15 Date Collected: 04/23/2015 11:35

Sample wt/vol: 200(mL) Date Analyzed: 04/29/2015 20:55

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 87597 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
142-82-5	n-Heptane	100.21	0.35	M	0.20	0.037
79-01-6	Trichloroethene	131.39	6.8		0.20	0.030
80-62-6	Methyl methacrylate	100.12	0.20	U	0.50	0.096
78-87-5	1,2-Dichloropropane	112.99	0.080	U	0.20	0.035
123-91-1	1,4-Dioxane	88.11	0.20	U	5.0	0.16
75-27-4	Bromodichloromethane	163.83	0.070	J	0.20	0.029
10061-01-5	cis-1,3-Dichloropropene	110.97	0.030	U	0.20	0.029
108-10-1	methyl isobutyl ketone	100.16	0.29	J	0.50	0.18
108-88-3	Toluene	92.14	2.1		0.20	0.025
10061-02-6	trans-1,3-Dichloropropene	110.97	0.030	U	0.20	0.026
79-00-5	1,1,2-Trichloroethane	133.41	0.080	U	0.20	0.037
127-18-4	Tetrachloroethene	165.83	0.037	J	0.20	0.030
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.18	J	0.50	0.17
124-48-1	Dibromochloromethane	208.29	0.030	U	0.20	0.020
106-93-4	1,2-Dibromoethane	187.87	0.030	U	0.20	0.018
108-90-7	Chlorobenzene	112.56	0.030	U	0.20	0.018
100-41-4	Ethylbenzene	106.17	0.18	J	0.20	0.020
179601-23-1	m,p-Xylene	106.17	0.59		0.50	0.025
95-47-6	Xylene, o-	106.17	0.22		0.20	0.018
1330-20-7	Xylene (total)	106.17	0.81		0.20	0.041
100-42-5	Styrene	104.15	0.23		0.20	0.016
75-25-2	Bromoform	252.75	0.030	U	0.20	0.025
98-82-8	Cumene	120.19	0.030	U	0.20	0.019
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.080	U	0.20	0.034
103-65-1	n-Propylbenzene	120.19	0.030	U	0.20	0.027
622-96-8	4-Ethyltoluene	120.20	0.043	J	0.20	0.020
108-67-8	1,3,5-Trimethylbenzene	120.20	0.040	J	0.20	0.019
95-49-8	2-Chlorotoluene	126.59	0.080	U	0.20	0.031
98-06-6	tert-Butylbenzene	134.22	0.030	U	0.20	0.020
95-63-6	1,2,4-Trimethylbenzene	120.20	0.15	J	0.20	0.016
135-98-8	sec-Butylbenzene	134.22	0.030	U	0.20	0.021
99-87-6	4-Isopropyltoluene	134.22	0.030	U	0.20	0.020
541-73-1	1,3-Dichlorobenzene	147.00	0.030	U	0.20	0.020
106-46-7	1,4-Dichlorobenzene	147.00	0.030	U	0.20	0.019

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

Lab Name: TestAmerica Burlington Job No.: 200-27725-1

SDG No.:

Client Sample ID: 101VMP0101GC Lab Sample ID: 200-27725-4

Matrix: Air Lab File ID: 13349-013.D

Analysis Method: TO-15 Date Collected: 04/23/2015 11:35

Sample wt/vol: 200(mL) Date Analyzed: 04/29/2015 20:55

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 87597 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	0.030	U	0.20	0.018
104-51-8	n-Butylbenzene	134.22	0.030	U	0.20	0.028
95-50-1	1,2-Dichlorobenzene	147.00	0.030	U	0.20	0.018
120-82-1	1,2,4-Trichlorobenzene	181.45	0.080	U	0.50	0.034
87-68-3	Hexachlorobutadiene	260.76	0.080	U	0.20	0.036
91-20-3	Naphthalene	128.17	0.080	U	0.50	0.030

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

Lab Name: TestAmerica Burlington Job No.: 200-27725-1

SDG No.:

Client Sample ID: 101VMP0101GC Lab Sample ID: 200-27725-4

Matrix: Air Lab File ID: 13349-013.D

Analysis Method: TO-15 Date Collected: 04/23/2015 11:35

Sample wt/vol: 200(mL) Date Analyzed: 04/29/2015 20:55

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 87597 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	2.3	J	2.5	0.28
75-45-6	Freon 22	86.47	1.6	J	1.8	0.28
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.56	U	1.4	0.36
74-87-3	Chloromethane	50.49	0.41	U	1.0	0.12
106-97-8	n-Butane	58.12	21		1.2	0.43
75-01-4	Vinyl chloride	62.50	0.077	U	0.51	0.066
106-99-0	1,3-Butadiene	54.09	0.18	U	0.44	0.080
74-83-9	Bromomethane	94.94	0.31	U	0.78	0.17
75-00-3	Chloroethane	64.52	0.21	U	1.3	0.16
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.13	U	0.87	0.087
75-69-4	Trichlorofluoromethane	137.37	4.5		1.1	0.25
76-13-1	Freon TF	187.38	0.72	J	1.5	0.31
75-35-4	1,1-Dichloroethene	96.94	0.12	U	0.79	0.040
67-64-1	Acetone	58.08	49		12	1.6
67-63-0	Isopropyl alcohol	60.10	8.4	J	12	0.37
75-15-0	Carbon disulfide	76.14	4.5		1.6	0.093
107-05-1	3-Chloropropene	76.53	0.63	U	1.6	0.50
75-09-2	Methylene Chloride	84.93	1.2	J	1.7	0.42
75-65-0	tert-Butyl alcohol	74.12	3.9	J	15	0.36
1634-04-4	Methyl tert-butyl ether	88.15	0.11	U	0.72	0.079
156-60-5	trans-1,2-Dichloroethene	96.94	0.12	U	0.79	0.11
110-54-3	n-Hexane	86.17	2.6		0.70	0.099
75-34-3	1,1-Dichloroethane	98.96	0.13	J	0.81	0.11
78-93-3	Methyl Ethyl Ketone	72.11	36		1.5	0.27
156-59-2	cis-1,2-Dichloroethene	96.94	0.32	U	0.79	0.12
540-59-0	1,2-Dichloroethene, Total	96.94	0.32	U	0.79	0.21
67-66-3	Chloroform	119.38	83		0.98	0.19
109-99-9	Tetrahydrofuran	72.11	110		15	0.53
71-55-6	1,1,1-Trichloroethane	133.41	0.76	J	1.1	0.16
110-82-7	Cyclohexane	84.16	1.0		0.69	0.034
56-23-5	Carbon tetrachloride	153.81	0.74	J	1.3	0.069
540-84-1	2,2,4-Trimethylpentane	114.23	0.60	J	0.93	0.11
71-43-2	Benzene	78.11	1.2		0.64	0.093
107-06-2	1,2-Dichloroethane	98.96	0.32	U	0.81	0.21

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

Lab Name: TestAmerica Burlington Job No.: 200-27725-1

SDG No.:

Client Sample ID: 101VMP0101GC Lab Sample ID: 200-27725-4

Matrix: Air Lab File ID: 13349-013.D

Analysis Method: TO-15 Date Collected: 04/23/2015 11:35

Sample wt/vol: 200(mL) Date Analyzed: 04/29/2015 20:55

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 87597 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
142-82-5	n-Heptane	100.21	1.4	M	0.82	0.15
79-01-6	Trichloroethene	131.39	36		1.1	0.16
80-62-6	Methyl methacrylate	100.12	0.82	U	2.0	0.39
78-87-5	1,2-Dichloropropane	112.99	0.37	U	0.92	0.16
123-91-1	1,4-Dioxane	88.11	0.72	U	18	0.58
75-27-4	Bromodichloromethane	163.83	0.47	J	1.3	0.19
10061-01-5	cis-1,3-Dichloropropene	110.97	0.14	U	0.91	0.13
108-10-1	methyl isobutyl ketone	100.16	1.2	J	2.0	0.74
108-88-3	Toluene	92.14	7.9		0.75	0.094
10061-02-6	trans-1,3-Dichloropropene	110.97	0.14	U	0.91	0.12
79-00-5	1,1,2-Trichloroethane	133.41	0.44	U	1.1	0.20
127-18-4	Tetrachloroethene	165.83	0.25	J	1.4	0.20
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.74	J	2.0	0.70
124-48-1	Dibromochloromethane	208.29	0.26	U	1.7	0.17
106-93-4	1,2-Dibromoethane	187.87	0.23	U	1.5	0.14
108-90-7	Chlorobenzene	112.56	0.14	U	0.92	0.083
100-41-4	Ethylbenzene	106.17	0.79	J	0.87	0.087
179601-23-1	m,p-Xylene	106.17	2.6		2.2	0.11
95-47-6	Xylene, o-	106.17	0.96		0.87	0.078
1330-20-7	Xylene (total)	106.17	3.5		0.87	0.18
100-42-5	Styrene	104.15	0.97		0.85	0.068
75-25-2	Bromoform	252.75	0.31	U	2.1	0.26
98-82-8	Cumene	120.19	0.15	U	0.98	0.093
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.55	U	1.4	0.23
103-65-1	n-Propylbenzene	120.19	0.15	U	0.98	0.13
622-96-8	4-Ethyltoluene	120.20	0.21	J	0.98	0.098
108-67-8	1,3,5-Trimethylbenzene	120.20	0.20	J	0.98	0.093
95-49-8	2-Chlorotoluene	126.59	0.41	U	1.0	0.16
98-06-6	tert-Butylbenzene	134.22	0.16	U	1.1	0.11
95-63-6	1,2,4-Trimethylbenzene	120.20	0.71	J	0.98	0.079
135-98-8	sec-Butylbenzene	134.22	0.16	U	1.1	0.12
99-87-6	4-Isopropyltoluene	134.22	0.16	U	1.1	0.11
541-73-1	1,3-Dichlorobenzene	147.00	0.18	U	1.2	0.12
106-46-7	1,4-Dichlorobenzene	147.00	0.18	U	1.2	0.11

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

Lab Name: TestAmerica Burlington Job No.: 200-27725-1

SDG No.:

Client Sample ID: 101VMP0101GC Lab Sample ID: 200-27725-4

Matrix: Air Lab File ID: 13349-013.D

Analysis Method: TO-15 Date Collected: 04/23/2015 11:35

Sample wt/vol: 200(mL) Date Analyzed: 04/29/2015 20:55

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 87597 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	0.16	U	1.0	0.093
104-51-8	n-Butylbenzene	134.22	0.16	U	1.1	0.15
95-50-1	1,2-Dichlorobenzene	147.00	0.18	U	1.2	0.11
120-82-1	1,2,4-Trichlorobenzene	181.45	0.59	U	3.7	0.25
87-68-3	Hexachlorobutadiene	260.76	0.85	U	2.1	0.38
91-20-3	Naphthalene	128.17	0.42	U	2.6	0.16

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHX.i\20150429-13349.b\13349-013.D
Lims ID: 200-27725-A-4 Lab Sample ID: 200-27725-4
Client ID: 101VMP0101GC
Sample Type: Client
Inject. Date: 29-Apr-2015 20:55:30 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0013349-013
Misc. Info.: 27725-04
Operator ID: wrd Instrument ID: CHX.i

Method: \\BTV-LIMS1\ChromData\CHX.i\20150429-13349.b\TO15_LLNJ_TO3_CHX.i.m.m
Limit Group: AI_TO15_ICAL
Last Update: 30-Apr-2015 08:55:06 Calib Date: 20-Mar-2015 00:18:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHX.i\20150319-12677.b\12677-011.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK004

First Level Reviewer: lyonsb Date: 30-Apr-2015 08:44:18

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	3.113	3.113	0.000	99	32513	0.4578	
3 Chlorodifluoromethane	51	3.162	3.167	-0.005	98	15333	0.4452	
4 1,2-Dichloro-1,1,2,2-tetra	85		3.375				ND	
5 Chloromethane	50		3.520				ND	
6 Butane	43	3.713	3.712	0.001	99	250016	8.64	
7 Vinyl chloride	62		3.761				ND	
8 Butadiene	54		3.835				ND	
9 Bromomethane	94		4.510				ND	
10 Chloroethane	64		4.740				ND	
12 Vinyl bromide	106		5.125				ND	
13 Trichlorofluoromethane	101	5.210	5.216	-0.006	99	61358	0.8004	
18 1,1,2-Trichloro-1,2,2-trif	101	6.264	6.270	-0.006	61	5495	0.0933	
20 1,1-Dichloroethene	96		6.328				ND	
21 Acetone	43	6.564	6.575	-0.011	89	648520	20.8	
22 Carbon disulfide	76	6.719	6.724	-0.005	98	102175	1.45	
23 Isopropyl alcohol	45	6.847	6.847	0.000	98	100018	3.42	
24 3-Chloro-1-propene	41		7.115				ND	
26 Methylene Chloride	49	7.409	7.409	0.000	84	9128	0.3542	
28 2-Methyl-2-propanol	59	7.618	7.618	0.000	97	61463	1.29	
29 Methyl tert-butyl ether	73		7.794				ND	
30 trans-1,2-Dichloroethene	61		7.837				ND	
32 Hexane	57	8.206	8.206	0.000	89	27677	0.7258	
33 1,1-Dichloroethane	63	8.709	8.720	-0.011	92	1575	0.0328	
35 cis-1,2-Dichloroethene	96		9.838				ND	
36 2-Butanone (MEK)	72	9.875	9.886	-0.011	98	205500	12.3	
S 38 1,2-Dichloroethene, Total	61		10.000				ND	
39 Tetrahydrofuran	42	10.293	10.298	-0.005	88	901172	38.7	
* 40 Chlorobromomethane	128	10.309	10.314	-0.005	83	340209	10.0	
41 Chloroform	83	10.437	10.437	0.000	100	1126628	17.1	
42 Cyclohexane	84	10.678	10.678	0.000	92	12738	0.3046	
43 1,1,1-Trichloroethane	97	10.715	10.715	0.000	98	8768	0.1389	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
44 Carbon tetrachloride	117	10.967	10.967	0.000	69	8151	0.1180	
45 Isooctane	57	11.395	11.395	0.000	92	17933	0.1291	
46 Benzene	78	11.443	11.448	-0.005	95	36271	0.3773	
47 1,2-Dichloroethane	62		11.646				ND	
48 n-Heptane	43	11.785	11.785	0.000	1	16081	0.3504	M
* 50 1,4-Difluorobenzene	114	12.299	12.304	-0.005	93	1642278	10.0	
52 Trichloroethene	95	12.780	12.786	-0.006	97	310587	6.78	
53 1,2-Dichloropropane	63		13.379				ND	
54 Methyl methacrylate	69		13.529				ND	
55 1,4-Dioxane	88		13.593				ND	
57 Dichlorobromomethane	83	13.957	13.957	0.000	98	4915	0.0702	
58 cis-1,3-Dichloropropene	75		14.931				ND	
61 4-Methyl-2-pentanone (MIBK	43	15.214	15.220	-0.006	95	17931	0.2869	
62 Toluene	92	15.530	15.535	-0.005	93	154654	2.10	
67 trans-1,3-Dichloropropene	75		16.156				ND	
68 1,1,2-Trichloroethane	83		16.546				ND	
69 Tetrachloroethene	166	16.637	16.637	0.000	92	2760	0.0373	
70 2-Hexanone	43	16.990	16.985	0.005	83	10691	0.1794	7
71 Chlorodibromomethane	129		17.327				ND	
72 Ethylene Dibromide	107		17.611				ND	
* 73 Chlorobenzene-d5	117	18.515	18.520	-0.005	84	1457903	10.0	
74 Chlorobenzene	112		18.579				ND	
75 Ethylbenzene	91	18.724	18.724	0.000	97	29516	0.1810	
77 m-Xylene & p-Xylene	106	18.970	18.975	-0.005	99	39880	0.5914	
78 o-Xylene	106	19.783	19.783	0.000	95	14709	0.2205	
79 Styrene	104	19.831	19.836	-0.005	97	23781	0.2276	
S 80 Xylenes, Total	106				0		0.8119	
81 Bromoform	173		20.243				ND	
82 Isopropylbenzene	105		20.414				ND	
* 83 4-Bromofluorobenzene	95	20.773	20.773	0.000	97	1000971	10.0	
85 1,1,2,2-Tetrachloroethane	83		21.040				ND	
86 N-Propylbenzene	91		21.094				ND	
89 4-Ethyltoluene	105	21.270	21.276	-0.006	96	8505	0.0431	
90 2-Chlorotoluene	91		21.297				ND	
91 1,3,5-Trimethylbenzene	105	21.372	21.372	0.000	93	6685	0.0401	
93 tert-Butylbenzene	119		21.848				ND	
94 1,2,4-Trimethylbenzene	105	21.934	21.939	-0.005	97	24294	0.1453	
95 sec-Butylbenzene	105		22.158				ND	
96 4-Isopropyltoluene	119		22.356				ND	
97 1,3-Dichlorobenzene	146		22.404				ND	
98 1,4-Dichlorobenzene	146		22.543				ND	
99 Benzyl chloride	91		22.747				ND	
101 n-Butylbenzene	91		22.950				ND	
102 1,2-Dichlorobenzene	146		23.105				ND	
104 1,2,4-Trichlorobenzene	180		25.759				ND	
105 Hexachlorobutadiene	225		25.940				ND	
106 Naphthalene	128		26.294				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

Reagents:

ATTO15GIS_00009	Amount Added:	20.00	Units: mL	Run Reagent

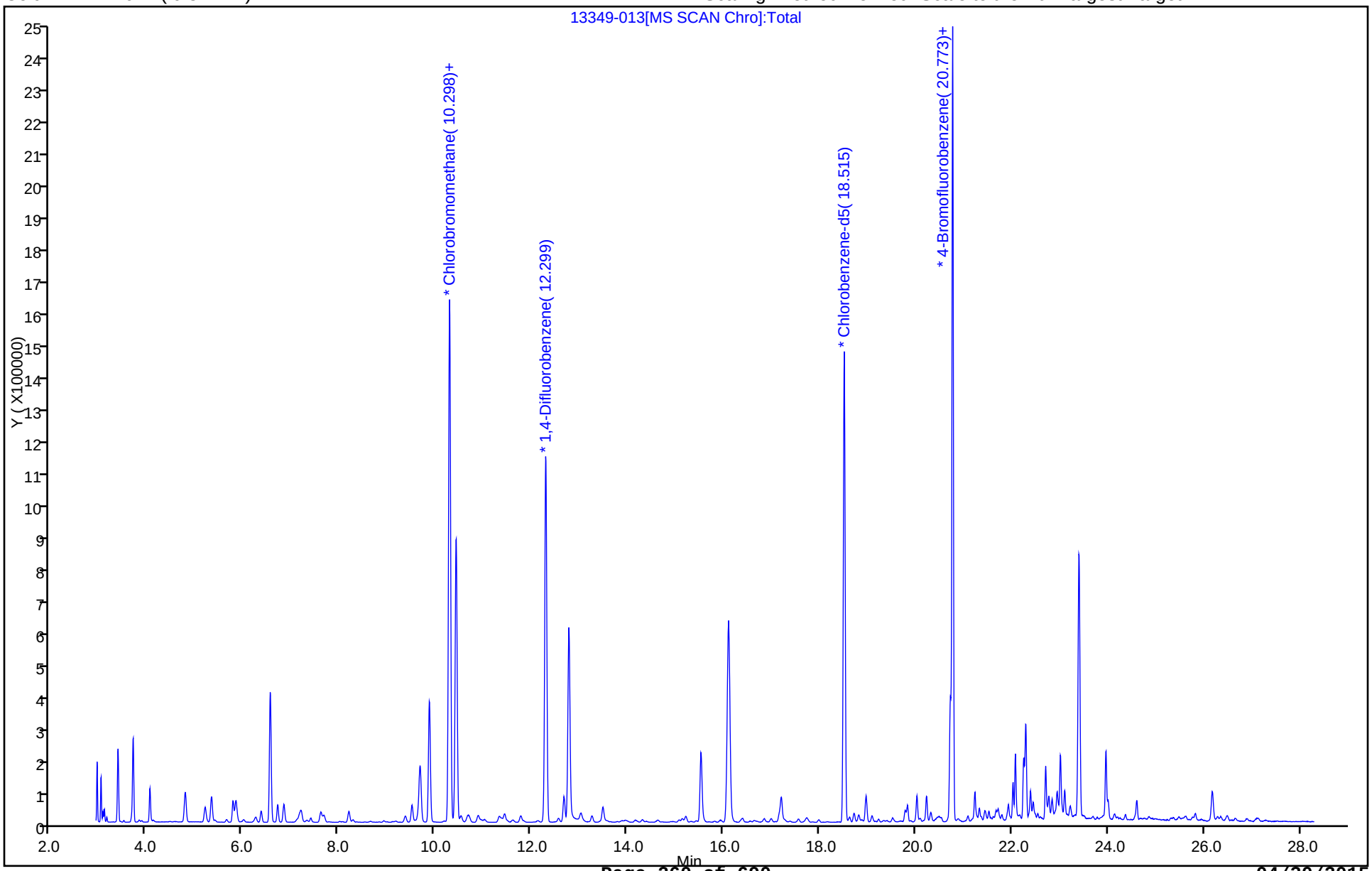
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TestAmerica Burlington

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Injection Date:	29-Apr-2015 20:55:30	Instrument ID:	CHX.i	Operator ID:	wrd
Lims ID:	200-27725-A-4	Lab Sample ID:	200-27725-4	Worklist Smp#:	13
Client ID:	101VMP0101GC				
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	12
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1

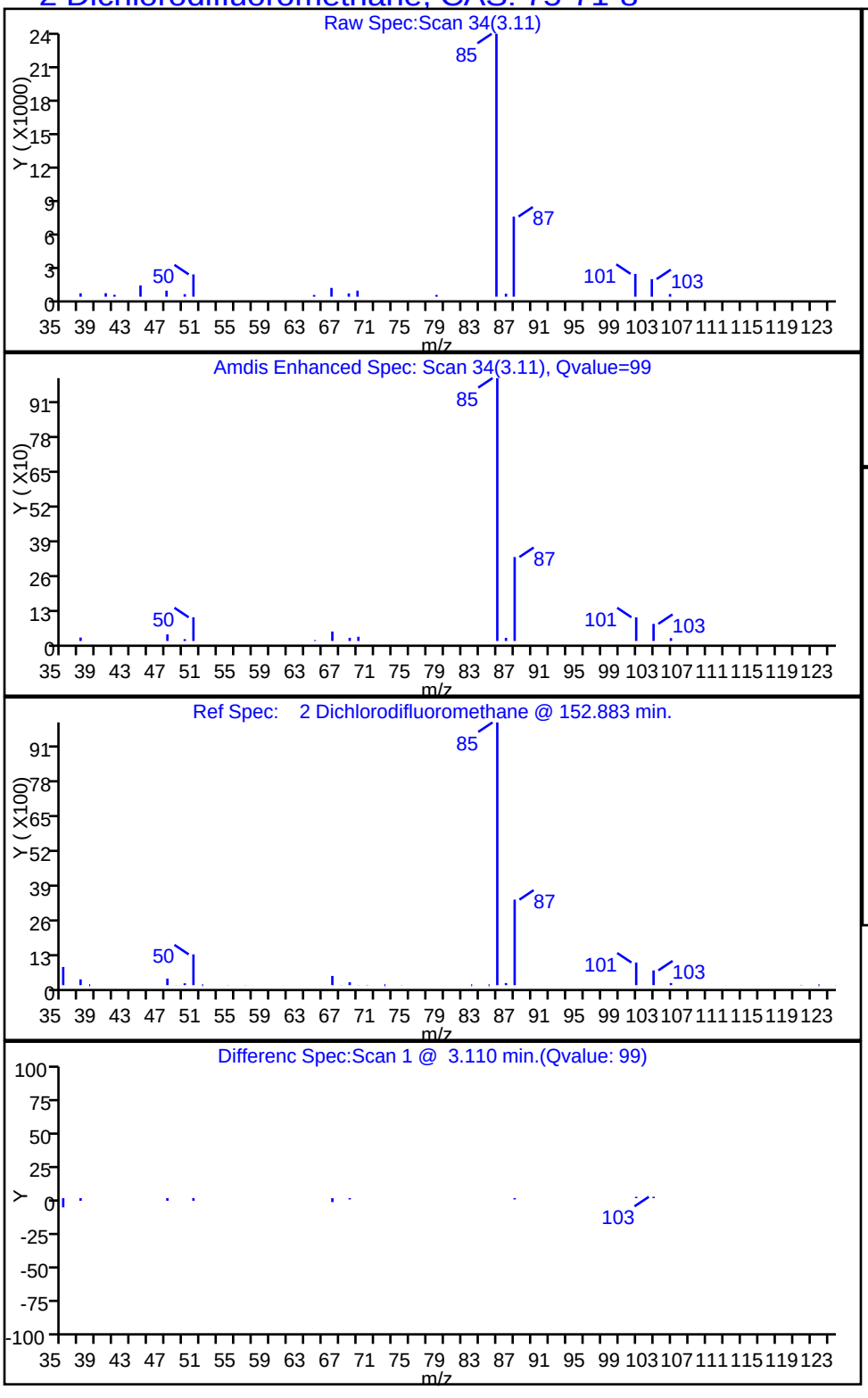


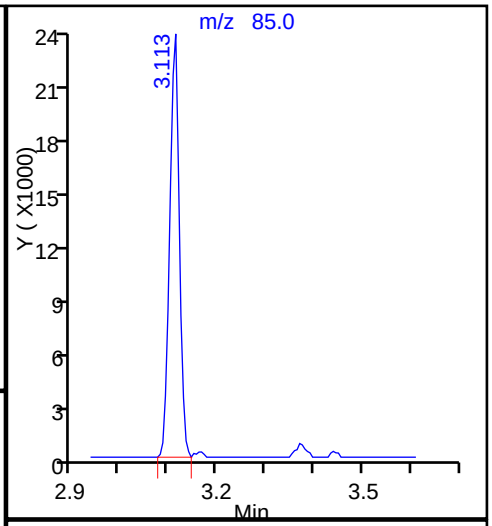
TestAmerica Burlington

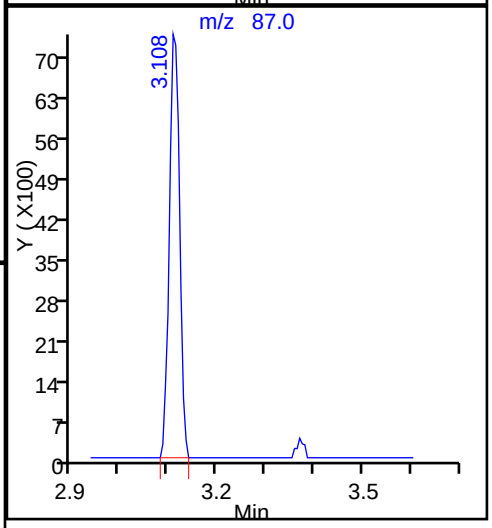
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Injection Date:	29-Apr-2015 20:55:30	Instrument ID:	CHX.i		
Lims ID:	200-27725-A-4	Lab Sample ID:	200-27725-4		
Client ID:	101VMP0101GC				
Operator ID:	wrd	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

2 Dichlorodifluoromethane, CAS: 75-71-8

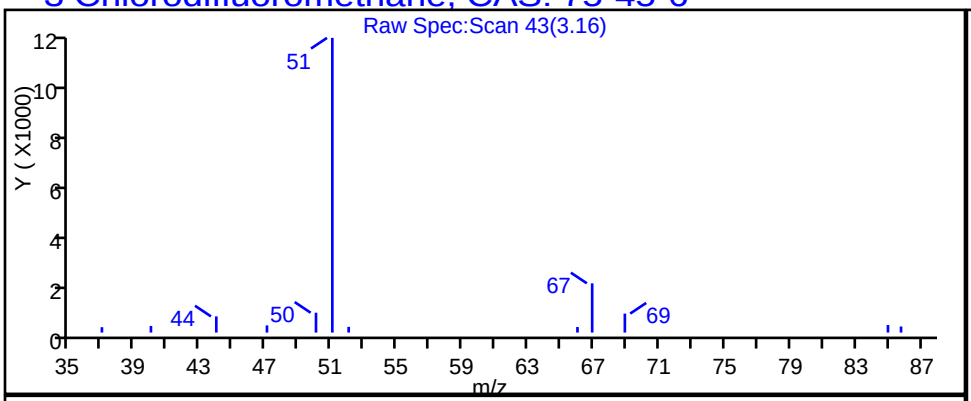


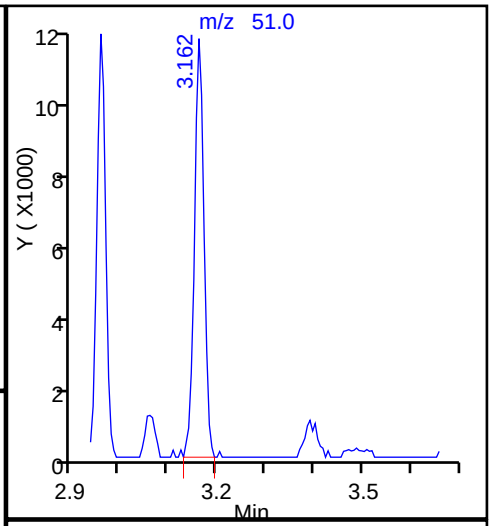


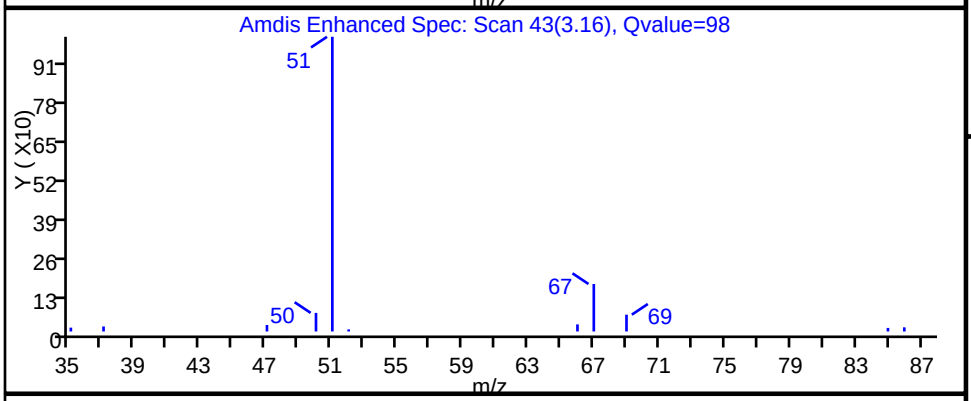


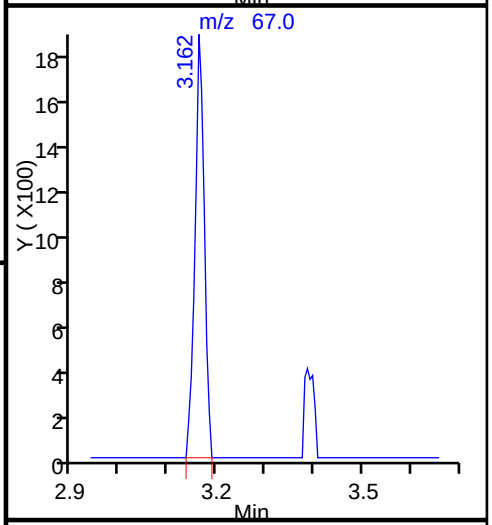
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Injection Date: 29-Apr-2015 20:55:30 Instrument ID: CHX.i
Lims ID: 200-27725-A-4 Lab Sample ID: 200-27725-4
Client ID: 101VMP0101GC
Operator ID: wrd ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

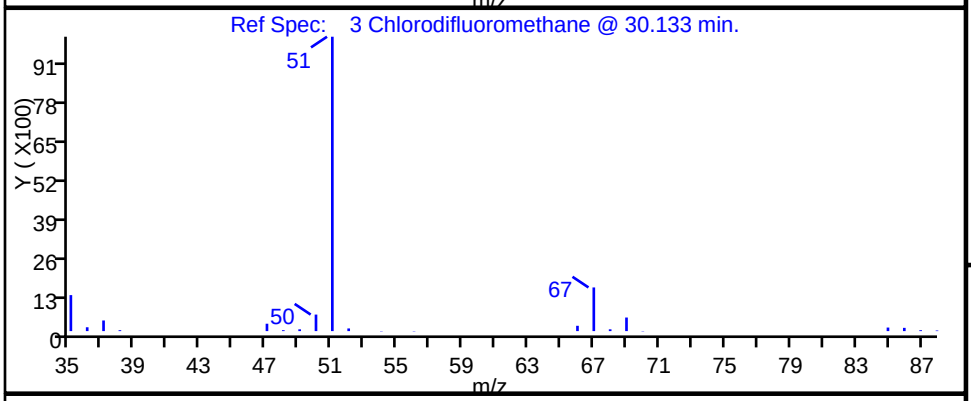
3 Chlorodifluoromethane, CAS: 75-45-6

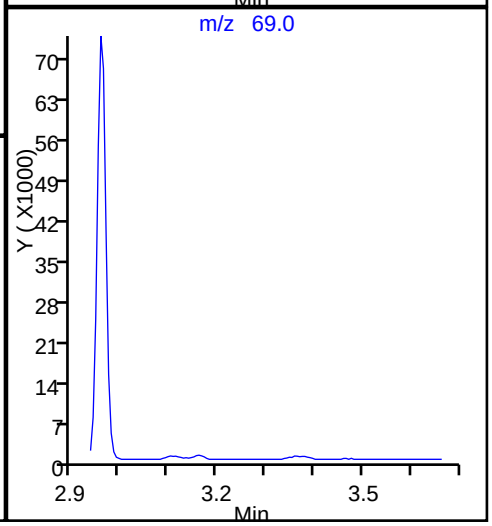


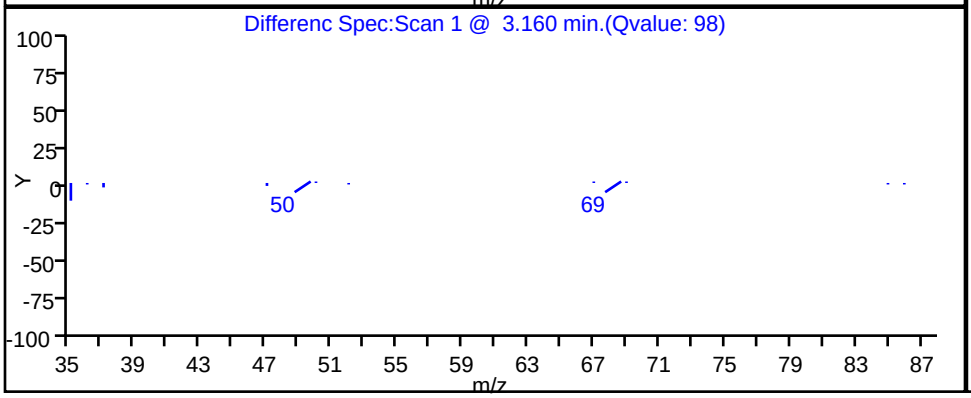








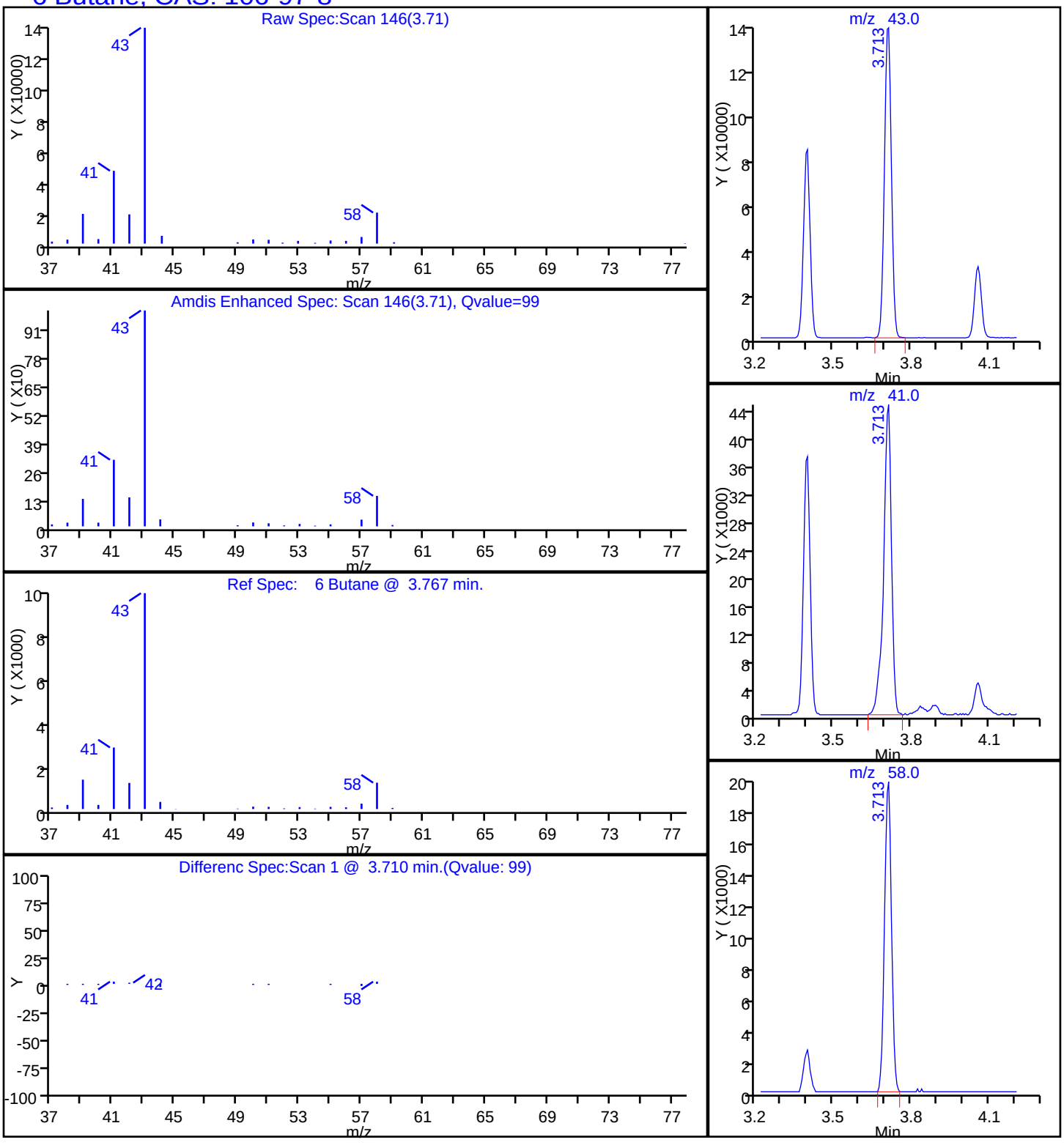




TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHX.i\20150429-13349.b\13349-013.D
Injection Date: 29-Apr-2015 20:55:30 Instrument ID: CHX.i
Lims ID: 200-27725-A-4 Lab Sample ID: 200-27725-4
Client ID: 101VMP0101GC
Operator ID: wrd ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

6 Butane, CAS: 106-97-8

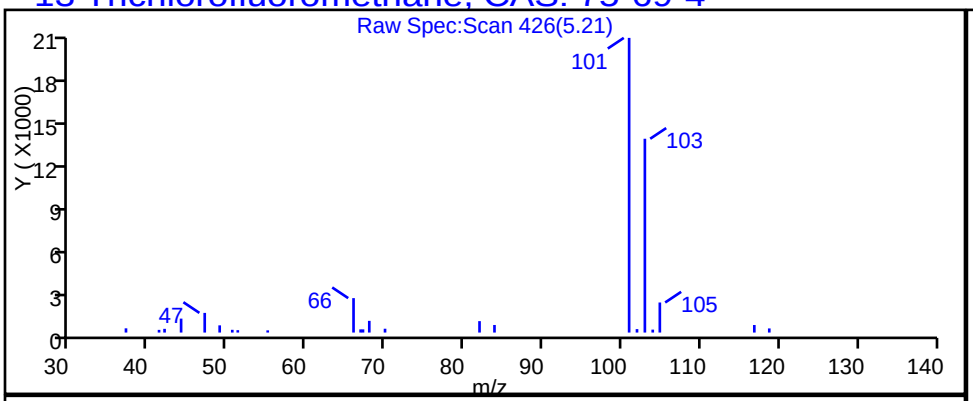


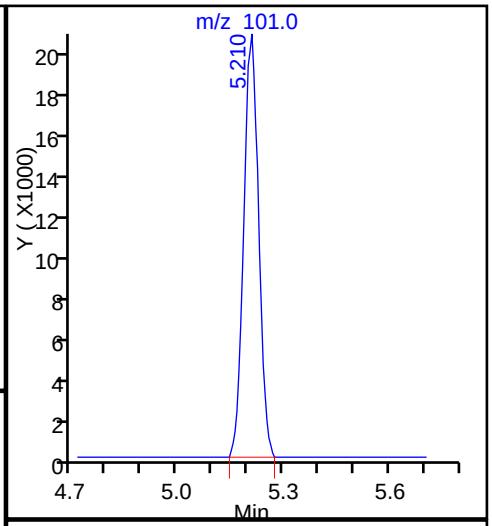
TestAmerica Burlington

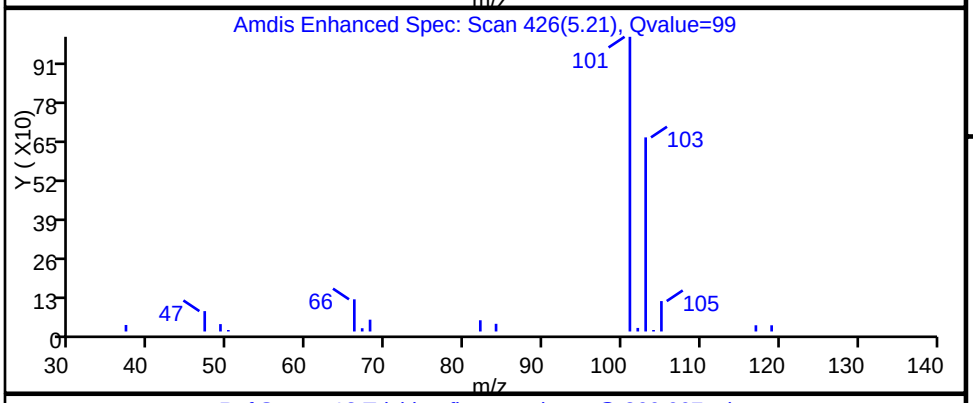
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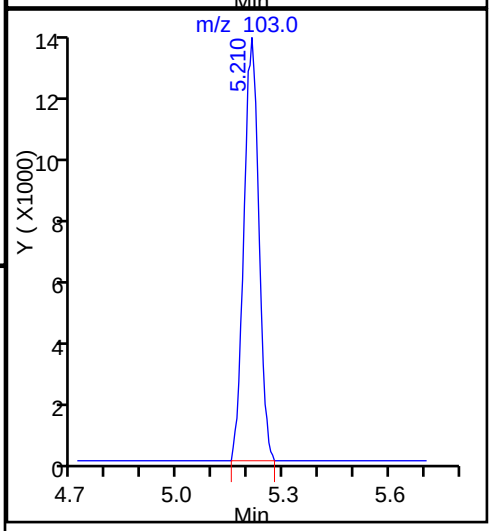
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Lims ID:	200-27725-A-4	Lab Sample ID:	200-27725-4		
Client ID:	101VMP0101GC				
Operator ID:	wrd	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

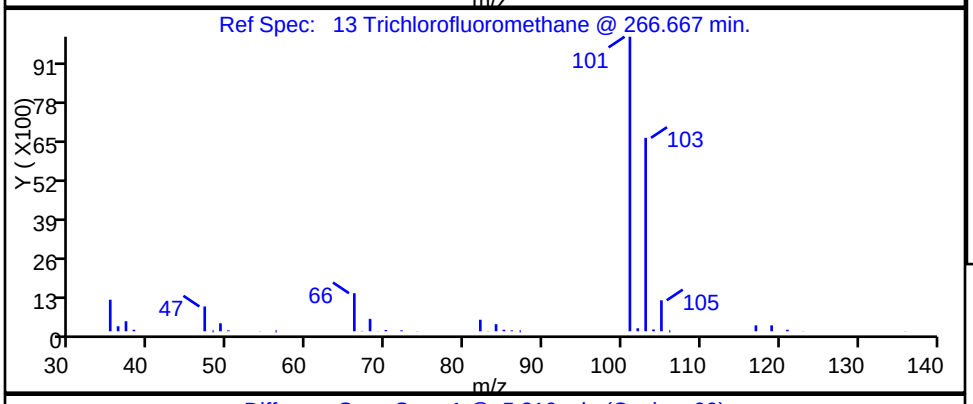
13 Trichlorofluoromethane, CAS: 75-69-4

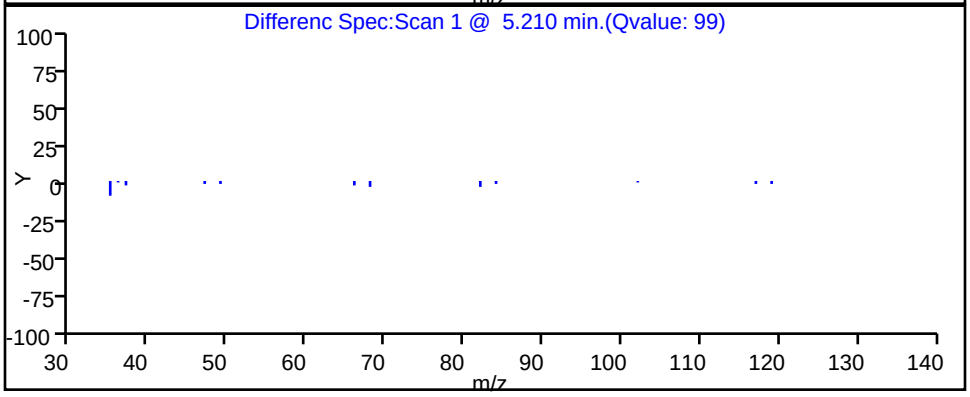








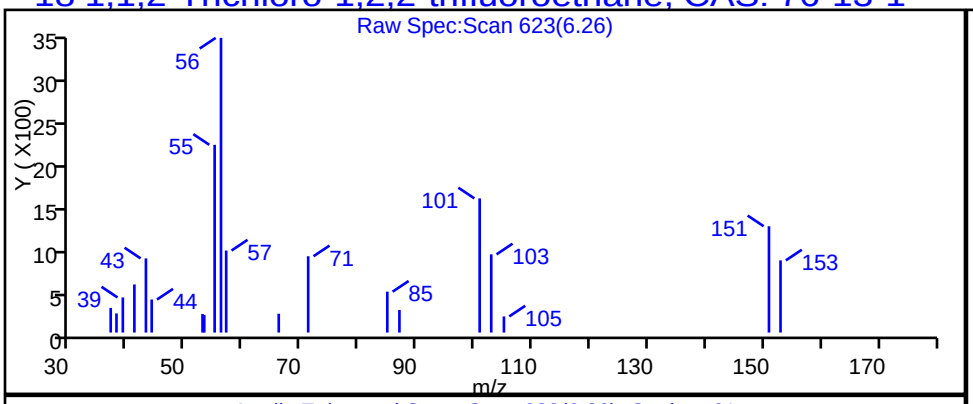


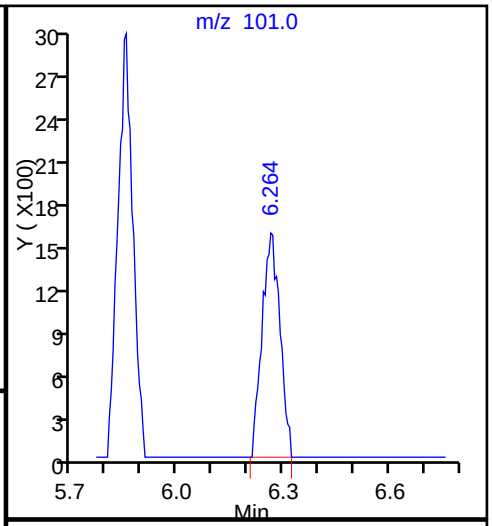


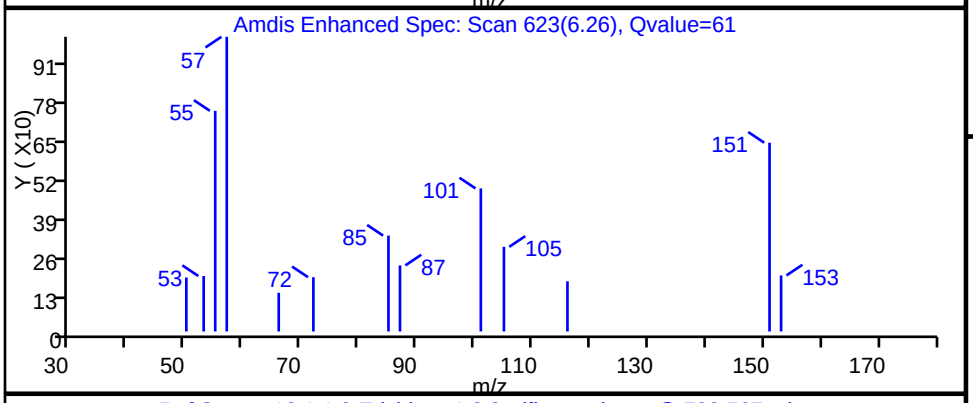
TestAmerica Burlington

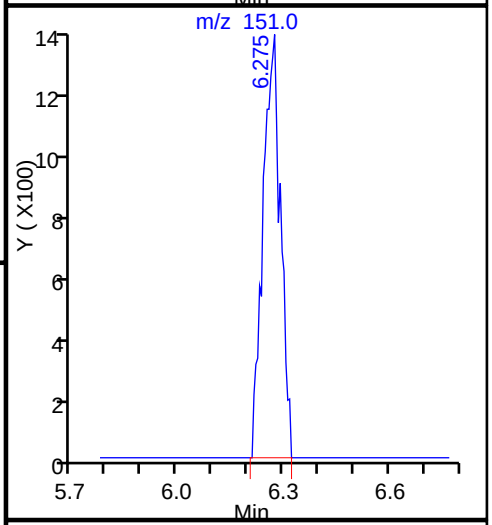
Data File: \\BTV-LIMS1\ChromData\CHX.i\20150429-13349.b\13349-013.D
Injection Date: 29-Apr-2015 20:55:30 Instrument ID: CHX.i
Lims ID: 200-27725-A-4 Lab Sample ID: 200-27725-4
Client ID: 101VMP0101GC
Operator ID: wrd ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

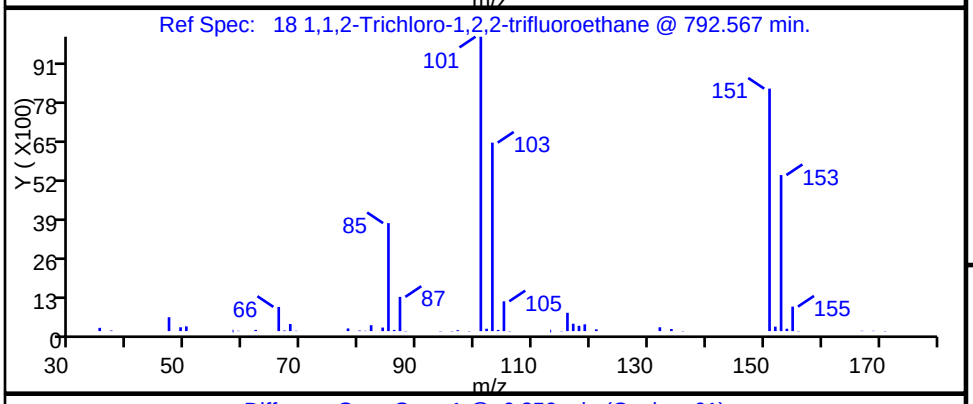
18 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

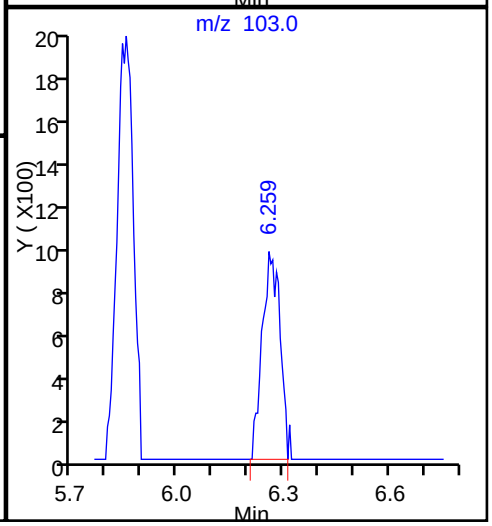


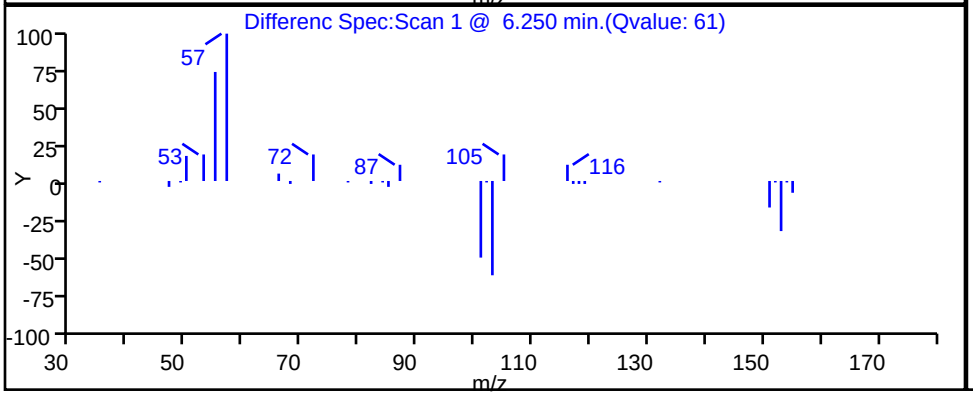










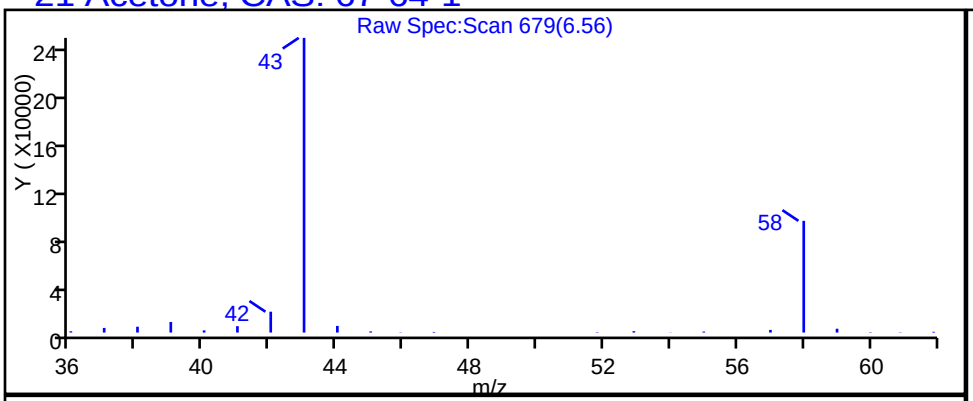


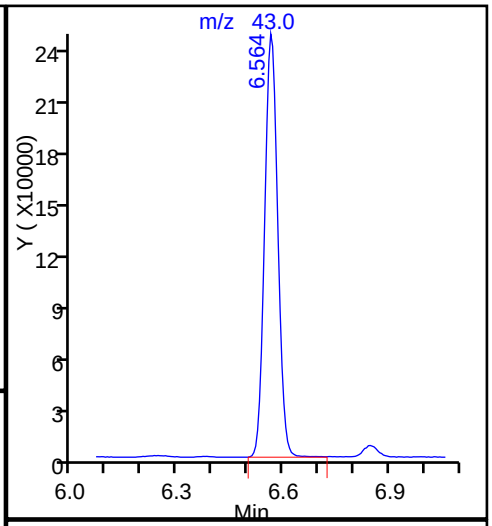
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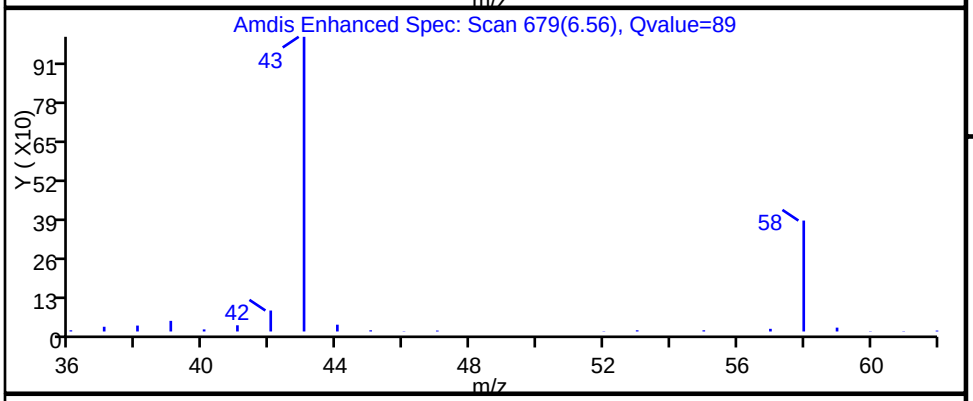
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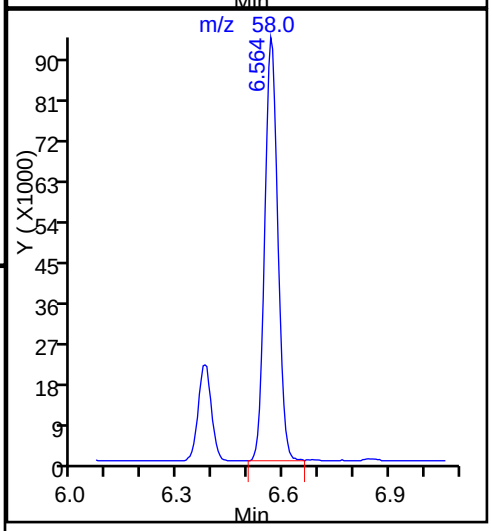
Injection Date:	29-Apr-2015 20:55:30	Instrument ID:	CHX.i		
Lims ID:	200-27725-A-4	Lab Sample ID:	200-27725-4		
Client ID:	101VMP0101GC				
Operator ID:	wrd	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

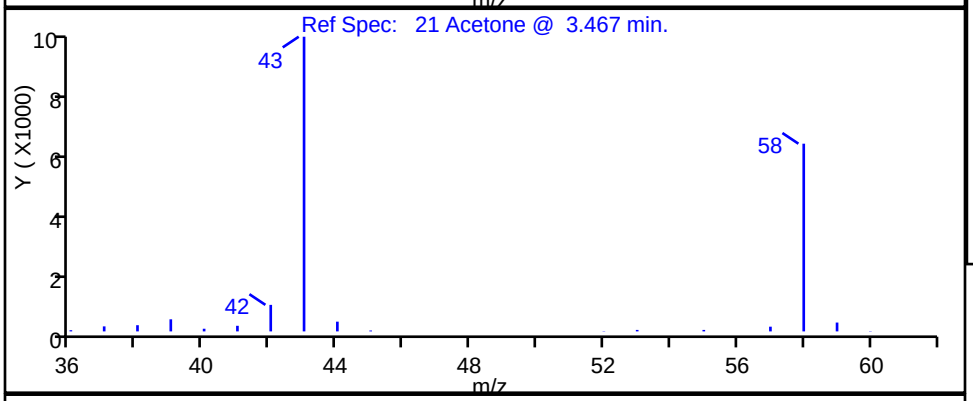
21 Acetone, CAS: 67-64-1

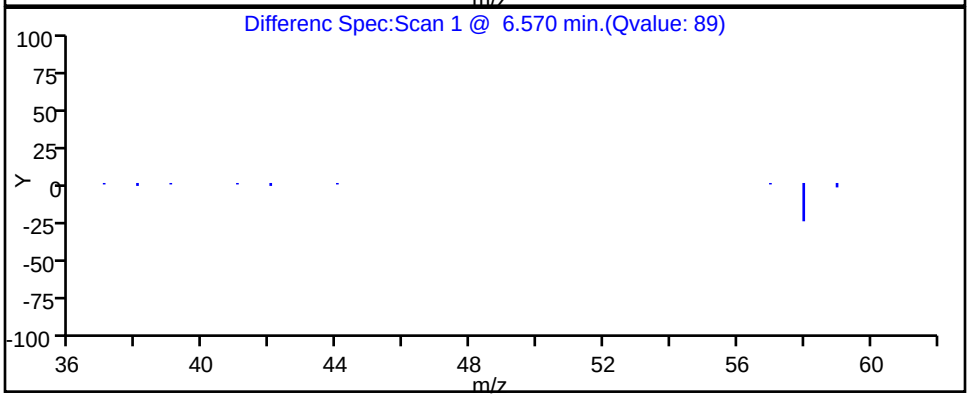










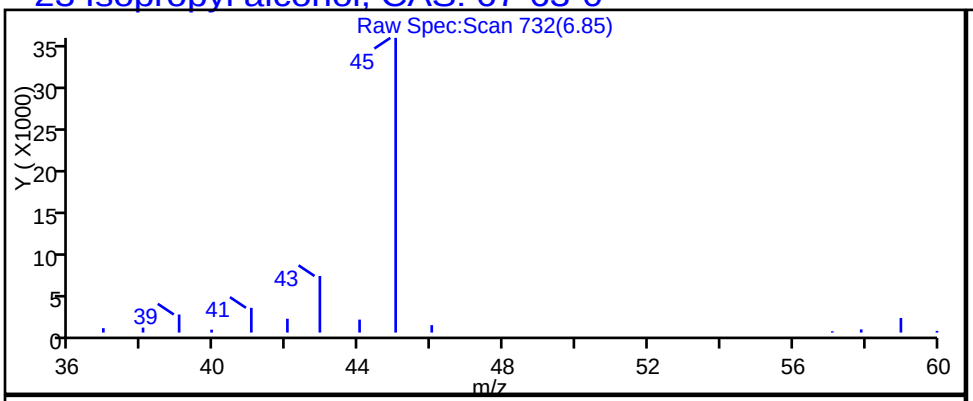


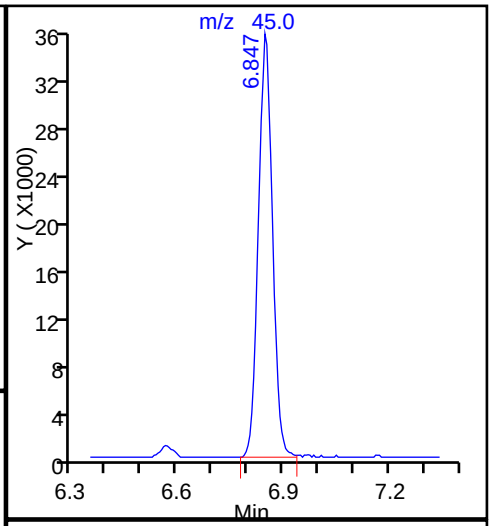
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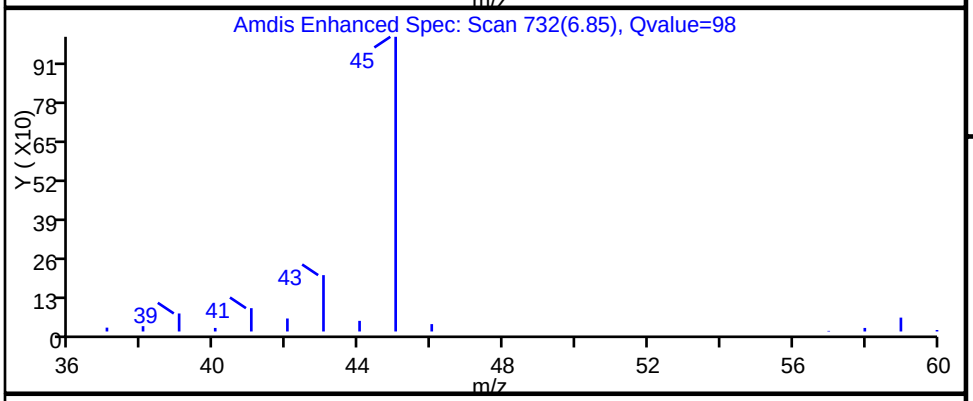
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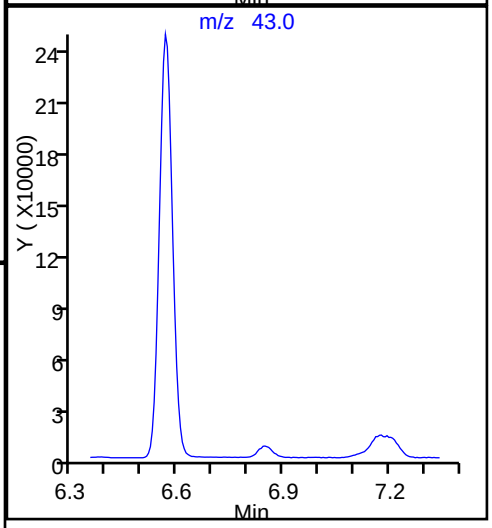
Injection Date:	29-Apr-2015 20:55:30	Instrument ID:	CHX.i		
Lims ID:	200-27725-A-4	Lab Sample ID:	200-27725-4		
Client ID:	101VMP0101GC				
Operator ID:	wrd	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

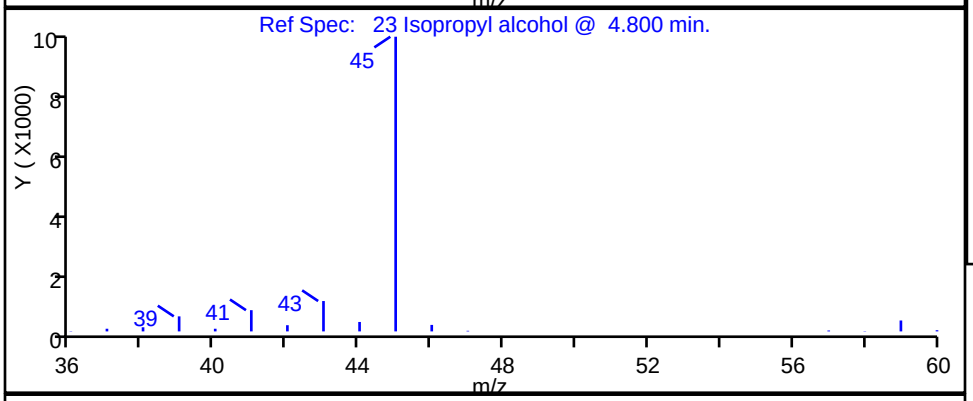
23 Isopropyl alcohol, CAS: 67-63-0

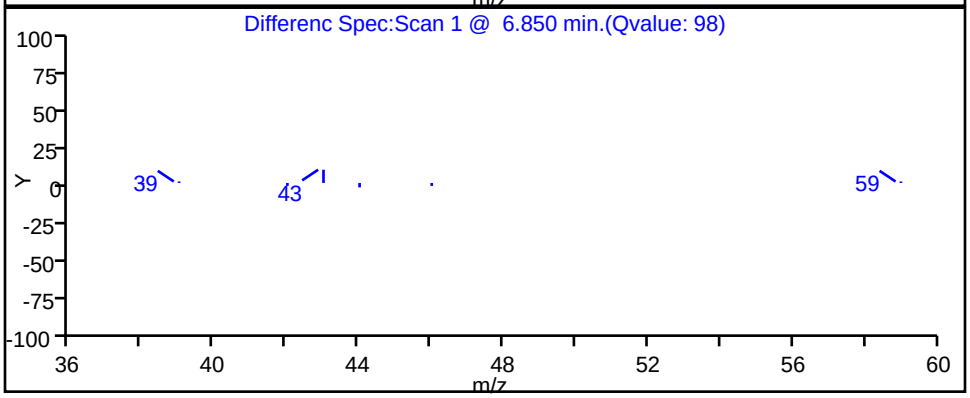








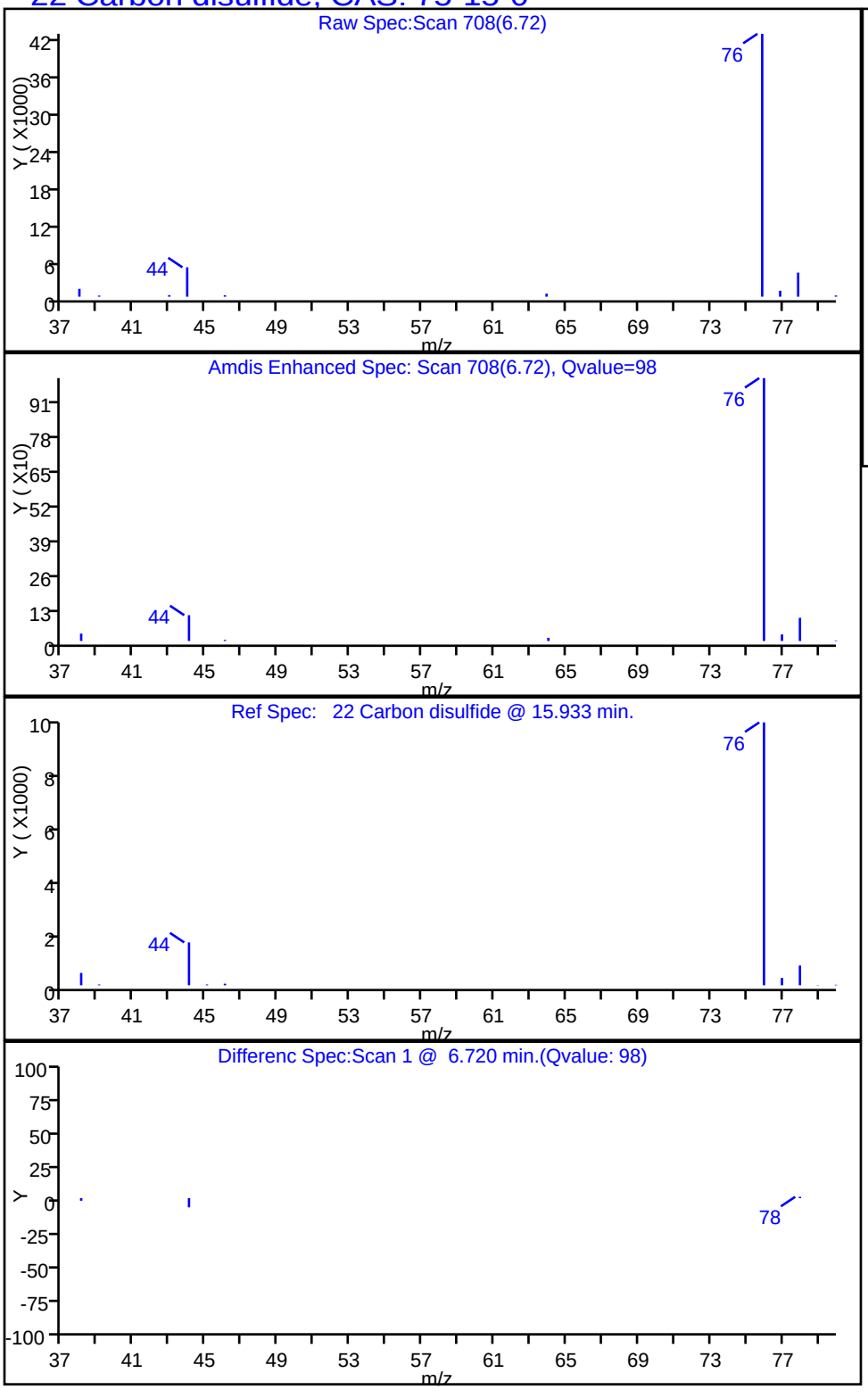


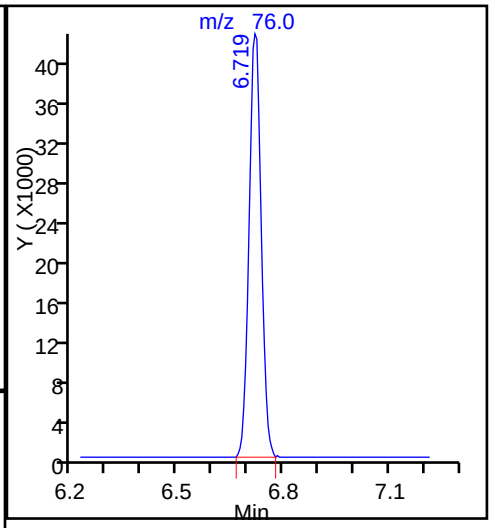


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Data File: \\BTV-LIMS1\ChromData\CHX.i\20150429-13349.b\13349-013.D
Injection Date: 29-Apr-2015 20:55:30 Instrument ID: CHX.i
Lims ID: 200-27725-A-4 Lab Sample ID: 200-27725-4
Client ID: 101VMP0101GC
Operator ID: wrd ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

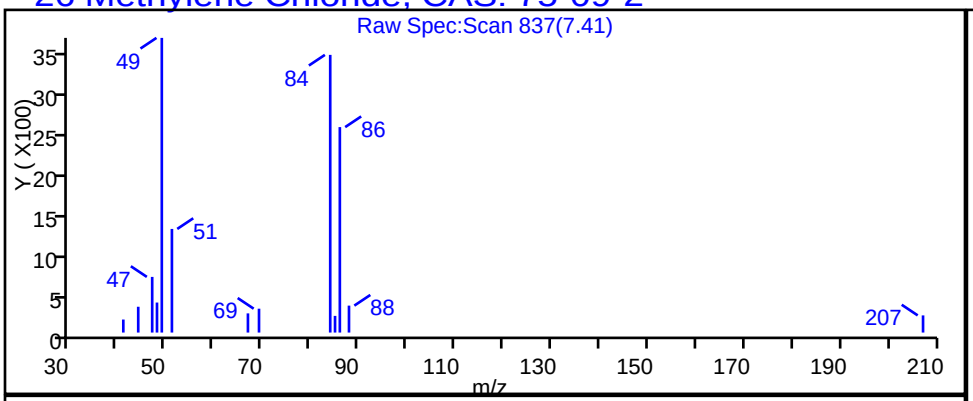
22 Carbon disulfide, CAS: 75-15-0

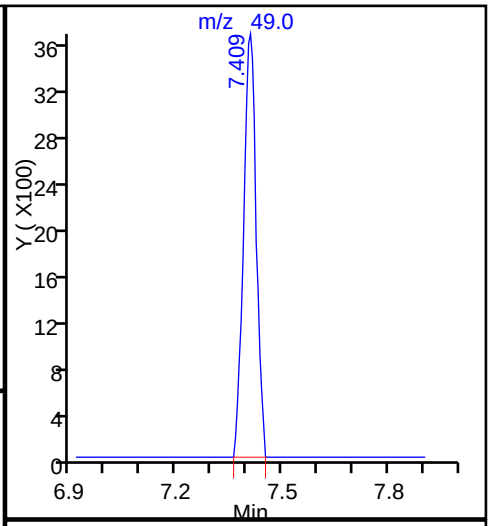


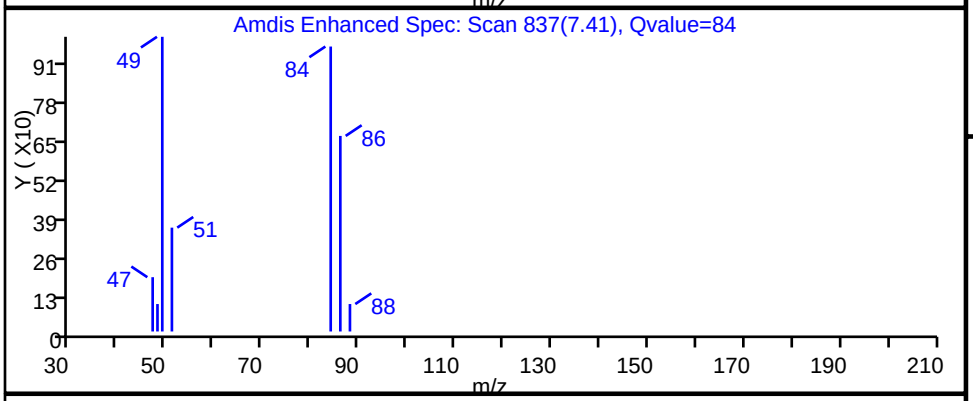


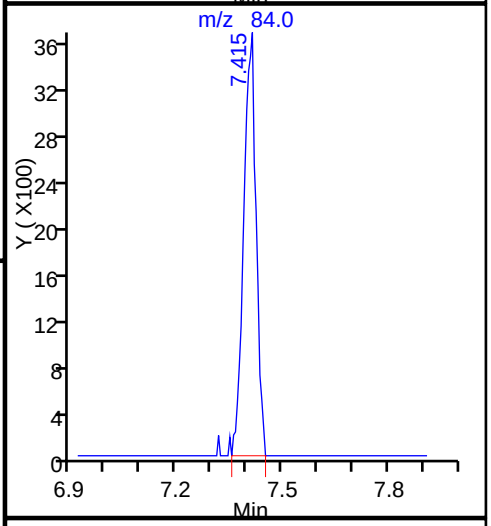
Data File: \\BTV-LIMS1\ChromData\CHX.i\20150429-13349.b\13349-013.D
Injection Date: 29-Apr-2015 20:55:30 Instrument ID: CHX.i
Lims ID: 200-27725-A-4 Lab Sample ID: 200-27725-4
Client ID: 101VMP0101GC
Operator ID: wrd ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

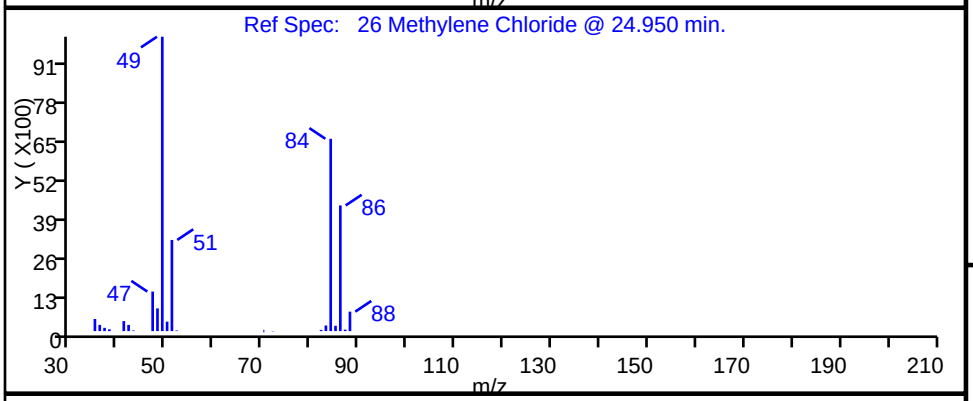
26 Methylene Chloride, CAS: 75-09-2

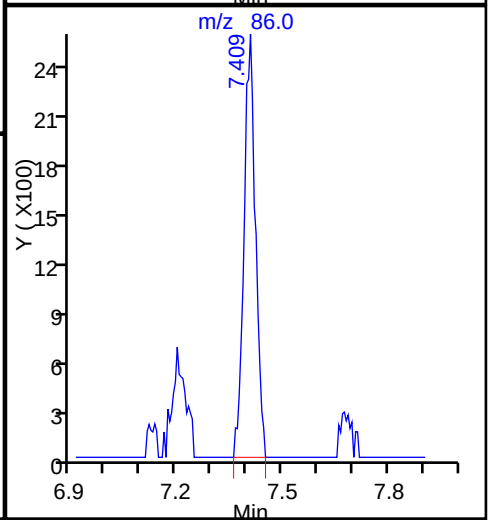


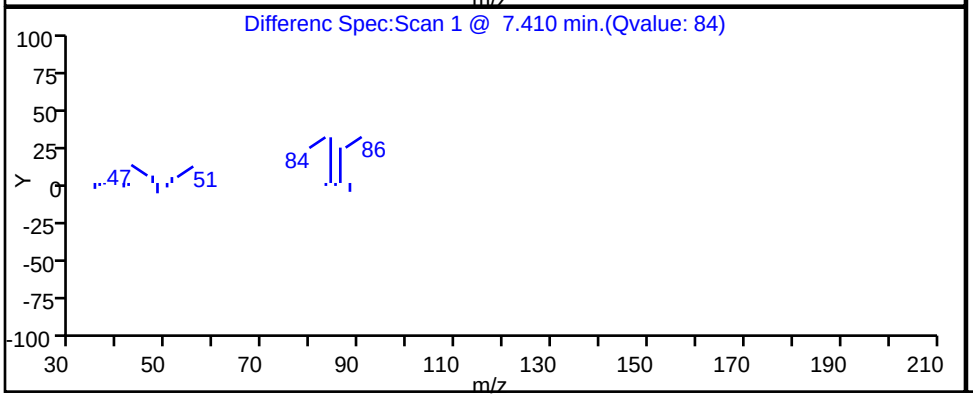








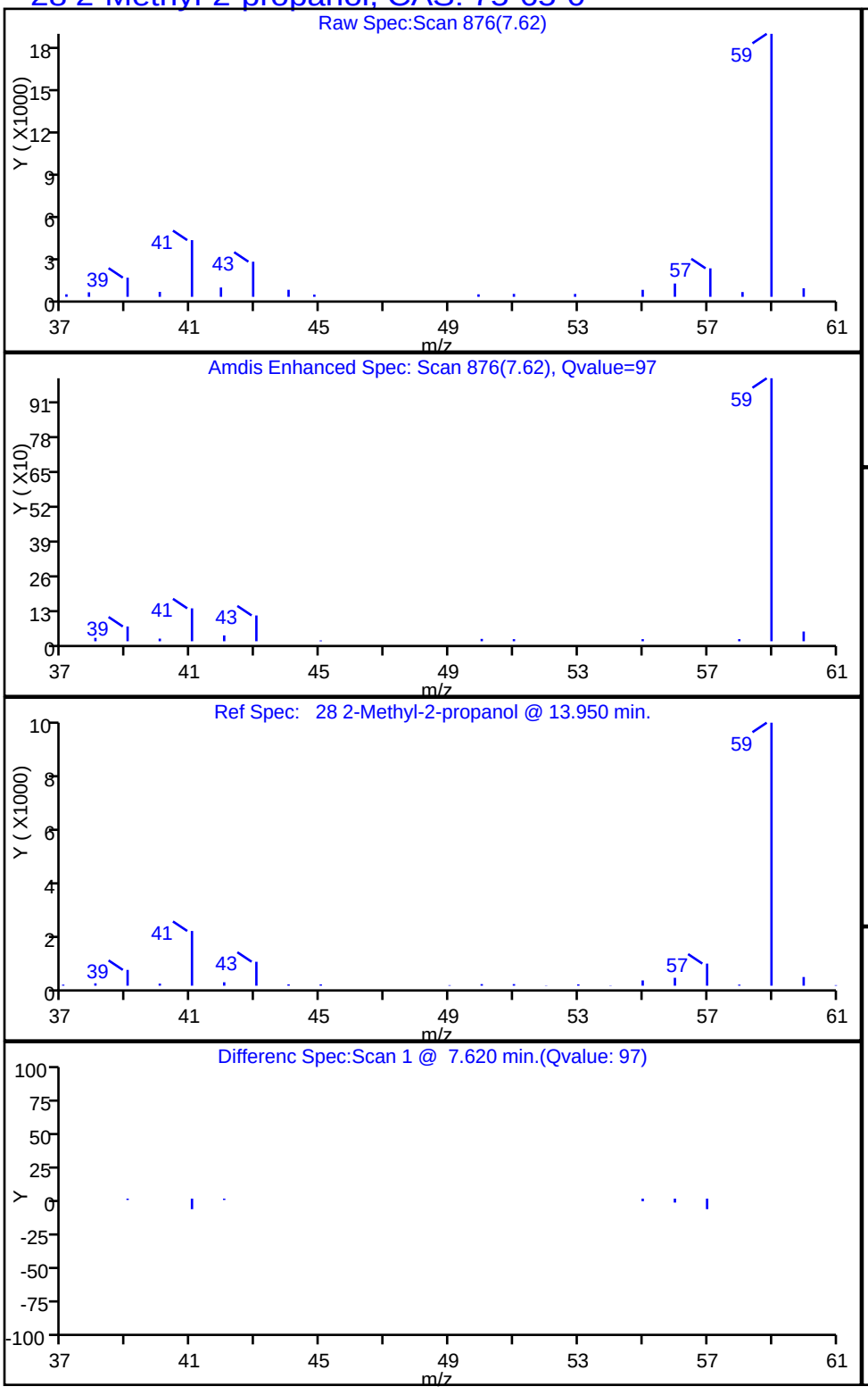


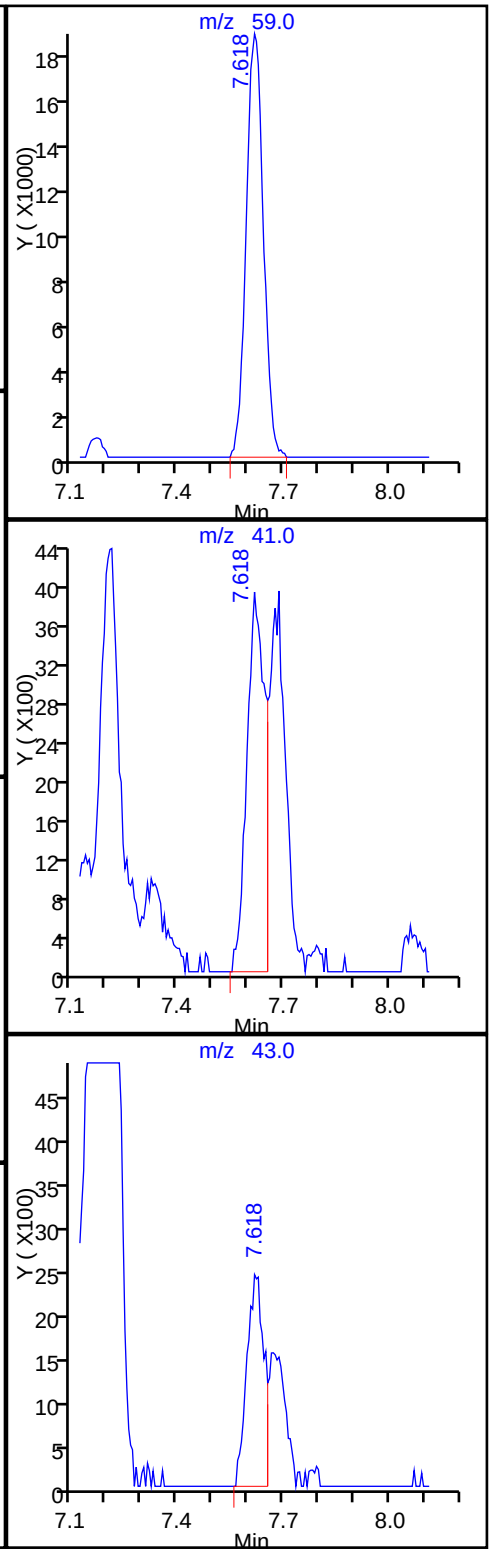


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Data File: \\BTV-LIMS1\ChromData\CHX.i\20150429-13349.b\13349-013.D
Injection Date: 29-Apr-2015 20:55:30 Instrument ID: CHX.i
Lims ID: 200-27725-A-4 Lab Sample ID: 200-27725-4
Client ID: 101VMP0101GC
Operator ID: wrd ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

28 2-Methyl-2-propanol, CAS: 75-65-0

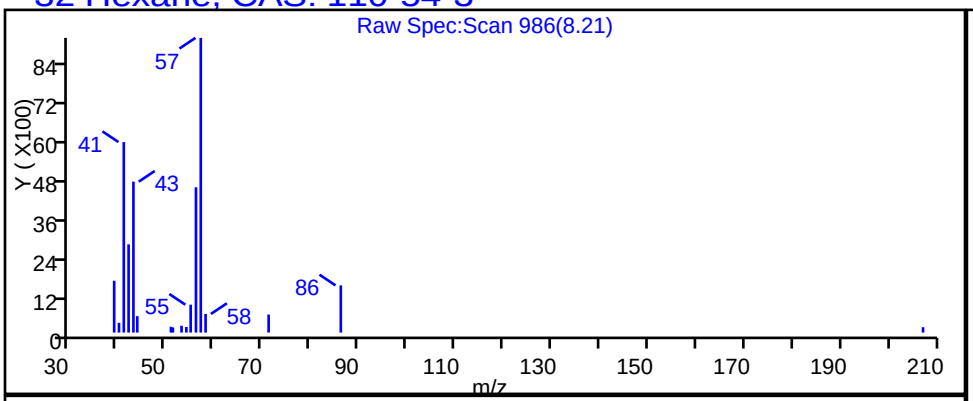


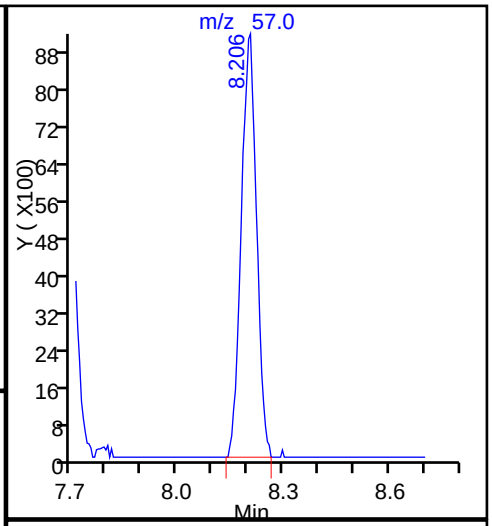


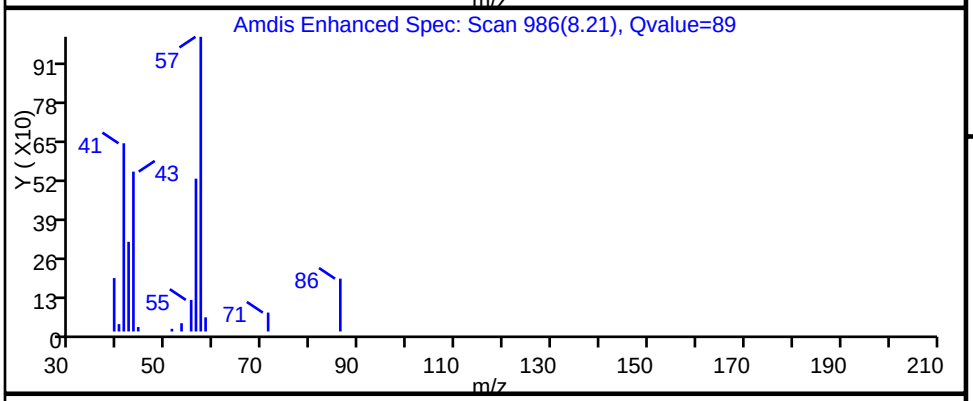
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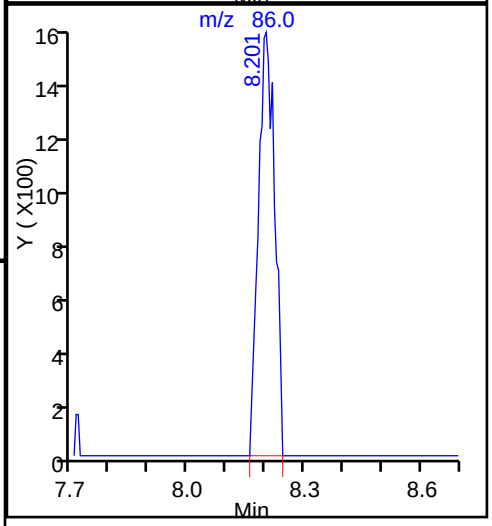
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Injection Date: 29-Apr-2015 20:55:30 Instrument ID: CHX.i
Lims ID: 200-27725-A-4 Lab Sample ID: 200-27725-4
Client ID: 101VMP0101GC
Operator ID: wrd ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

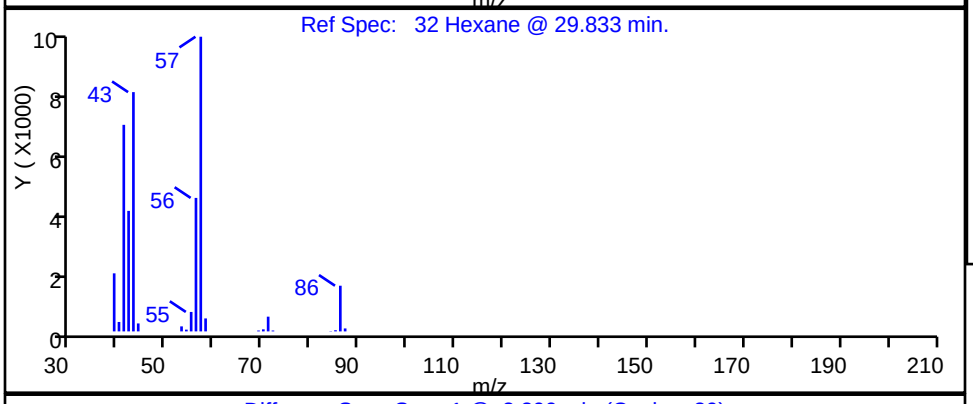
32 Hexane, CAS: 110-54-3

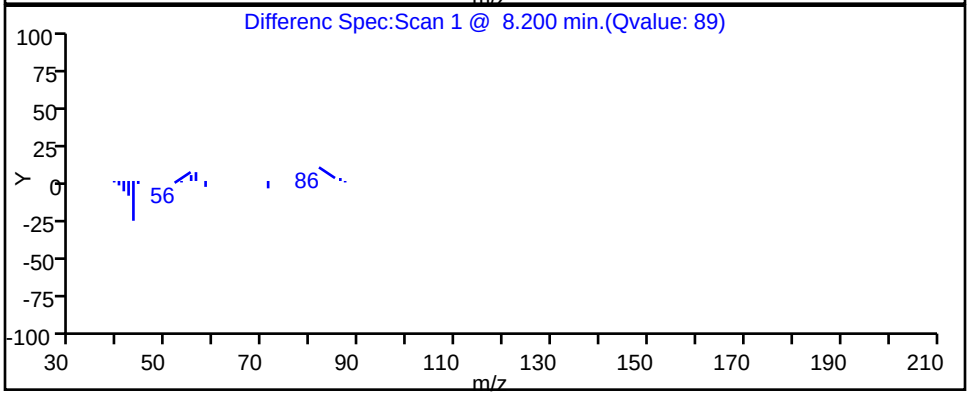








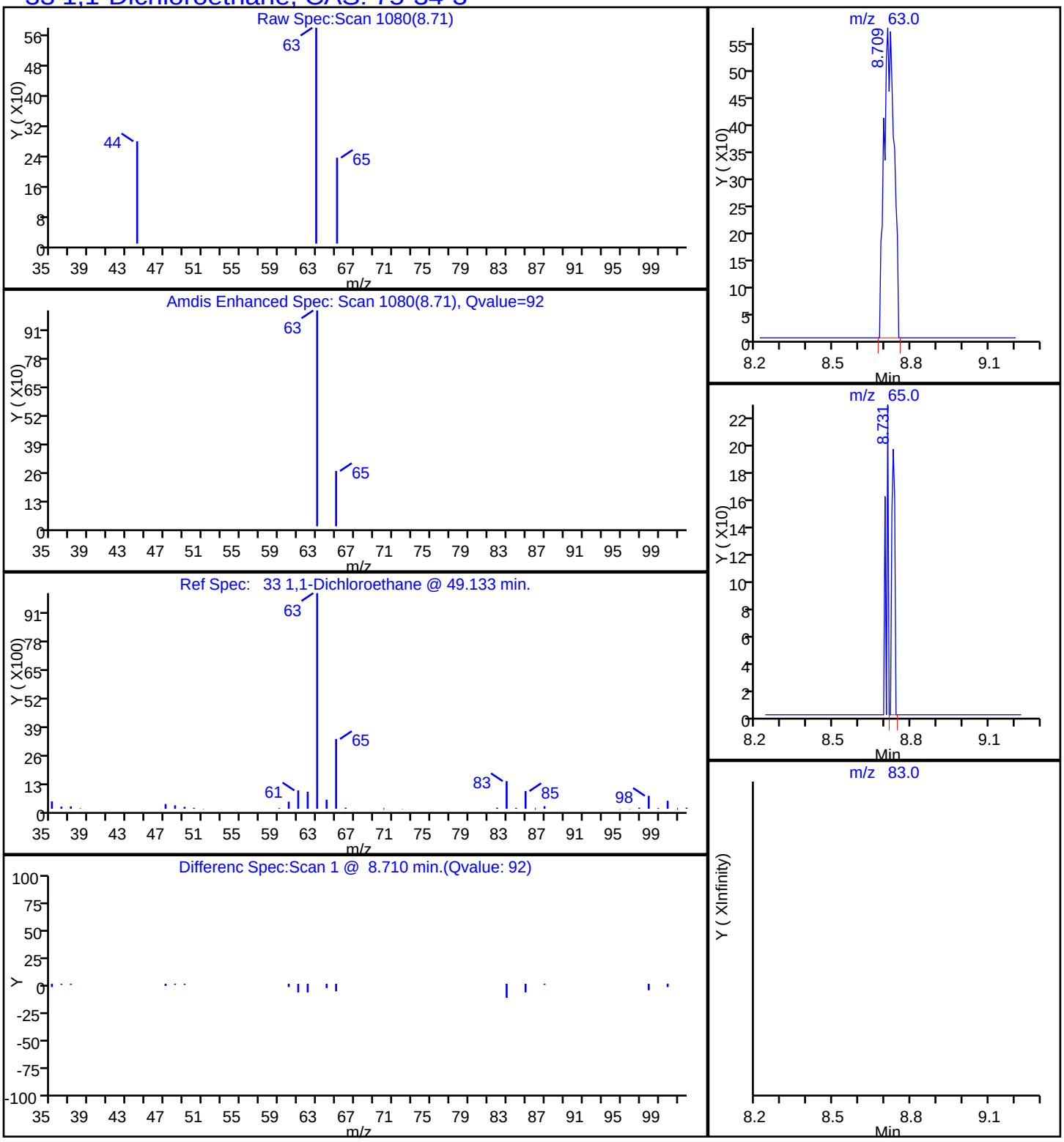




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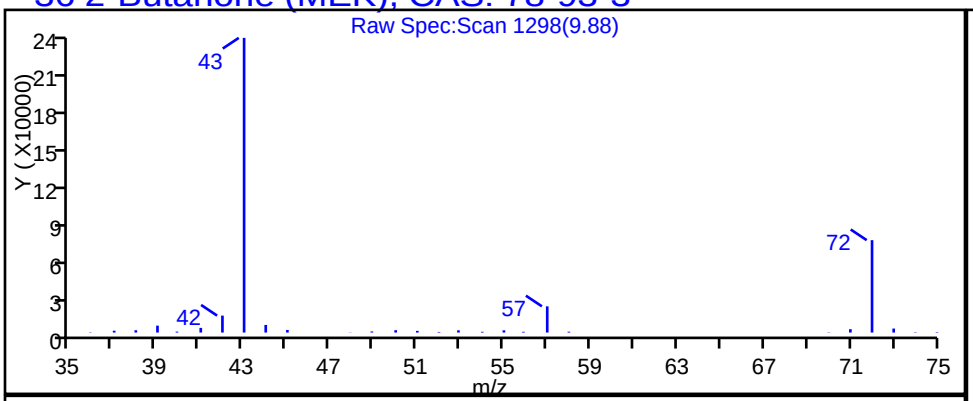
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Injection Date: 29-Apr-2015 20:55:30 Instrument ID: CHX.i
Lims ID: 200-27725-A-4 Lab Sample ID: 200-27725-4
Client ID: 101VMP0101GC
Operator ID: wrd ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

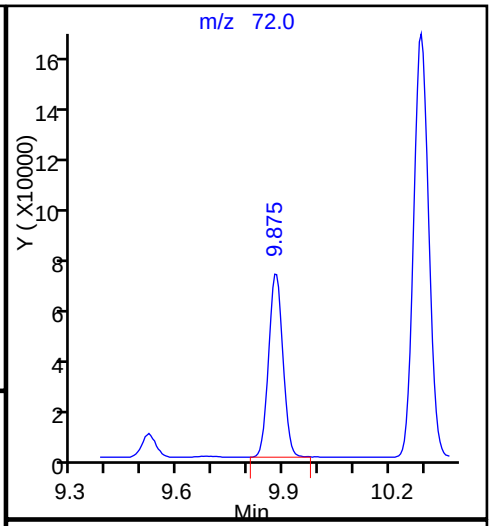
33 1,1-Dichloroethane, CAS: 75-34-3

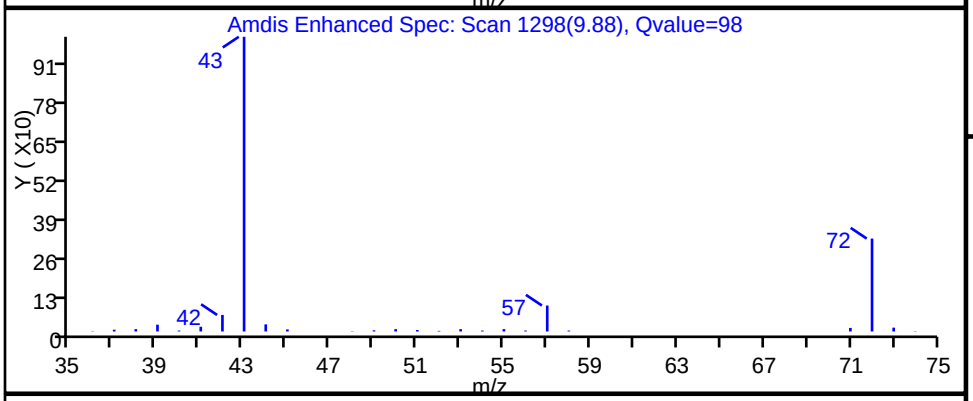


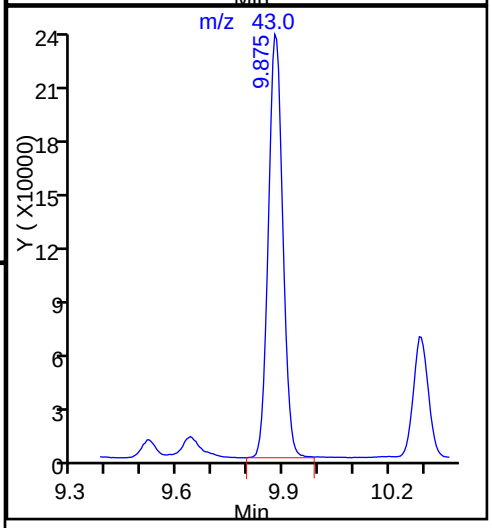
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Injection Date: 29-Apr-2015 20:55:30 Instrument ID: CHX.i
Lims ID: 200-27725-A-4 Lab Sample ID: 200-27725-4
Client ID: 101VMP0101GC
Operator ID: wrd ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

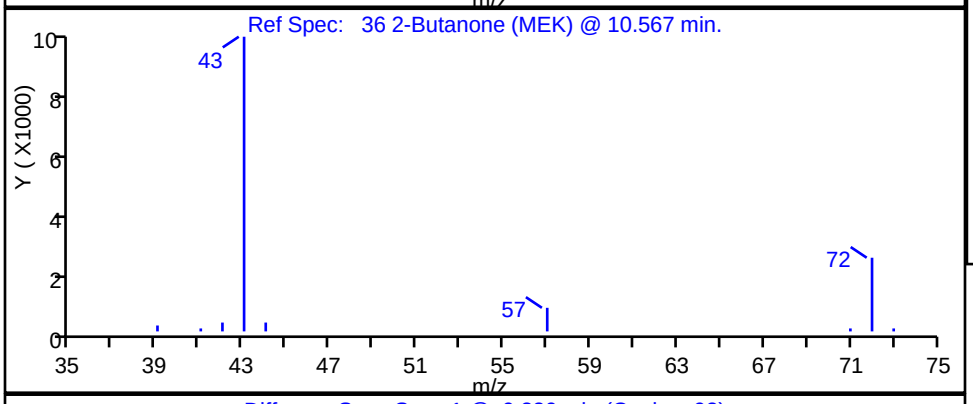
36 2-Butanone (MEK), CAS: 78-93-3

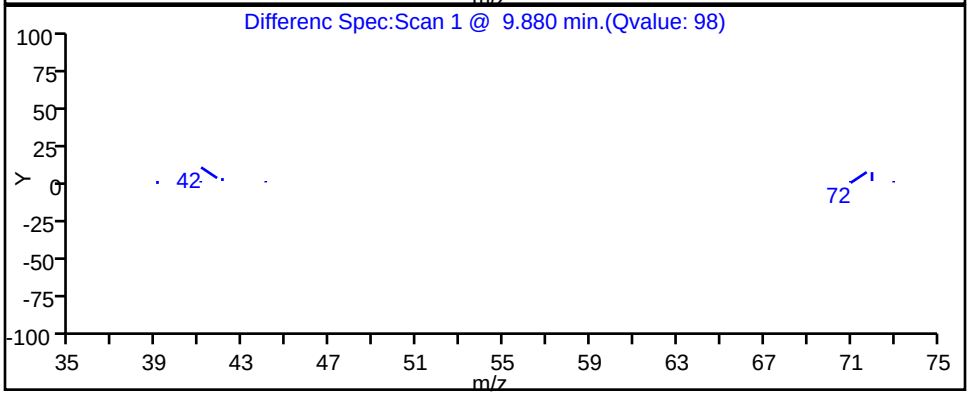








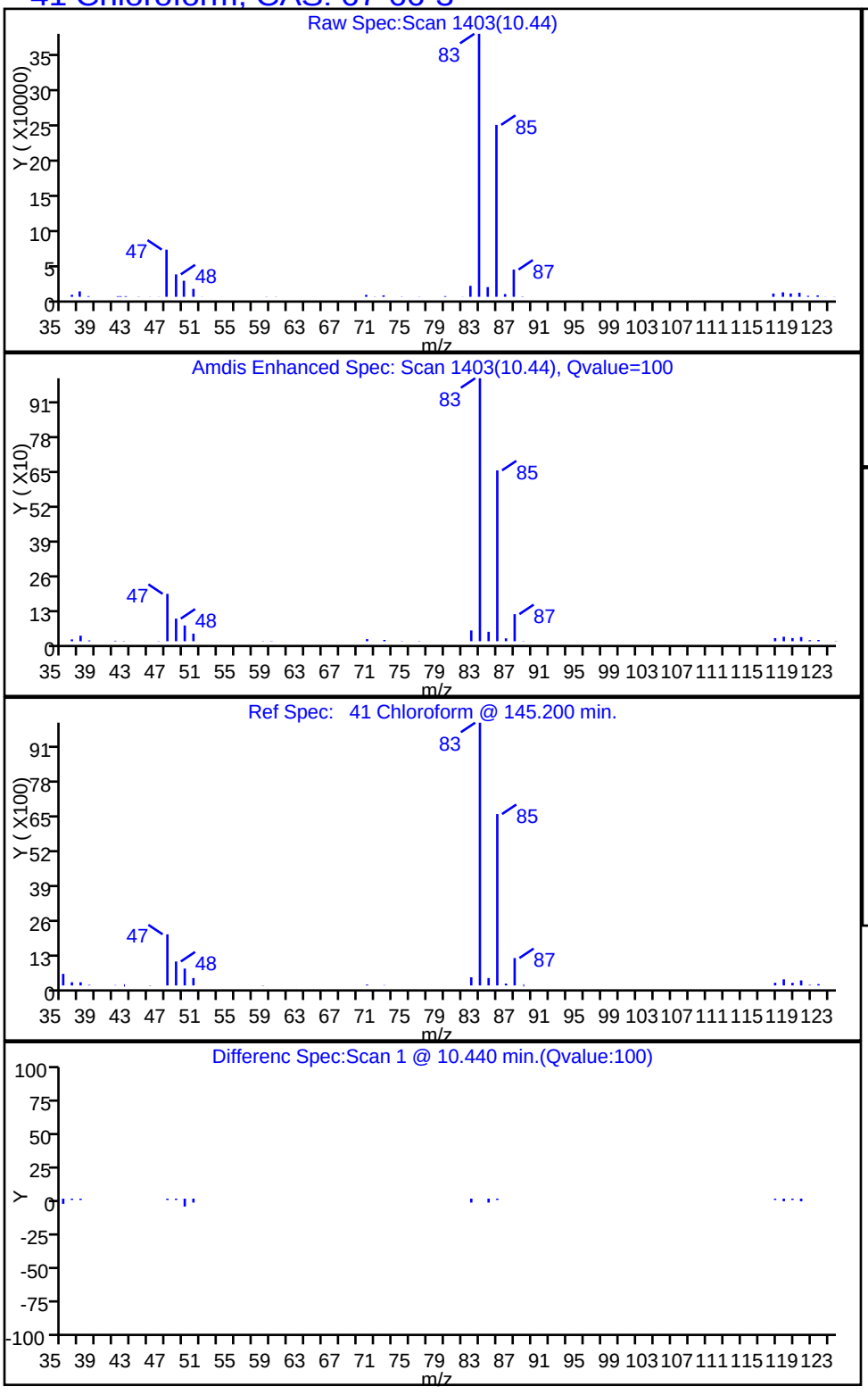


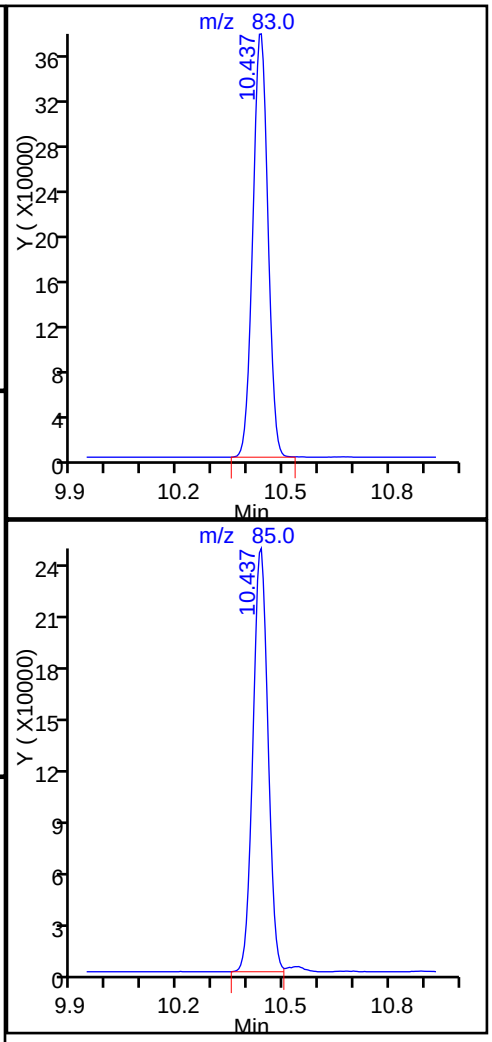


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Data File: \\BTV-LIMS1\ChromData\CHX.i\20150429-13349.b\13349-013.D
Injection Date: 29-Apr-2015 20:55:30 Instrument ID: CHX.i
Lims ID: 200-27725-A-4 Lab Sample ID: 200-27725-4
Client ID: 101VMP0101GC
Operator ID: wrd ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

41 Chloroform, CAS: 67-66-3

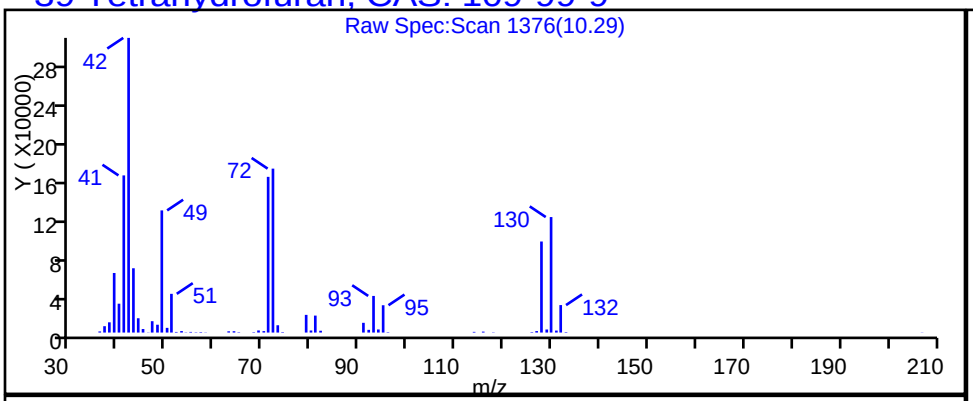


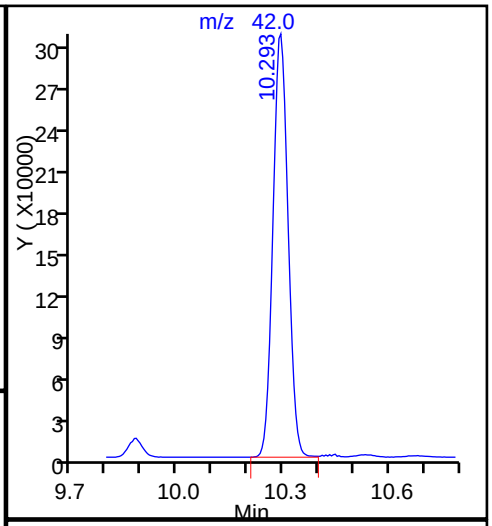


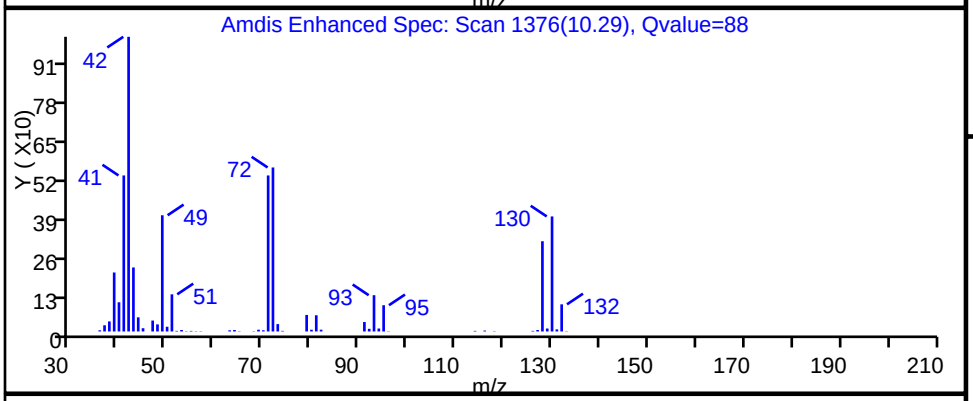
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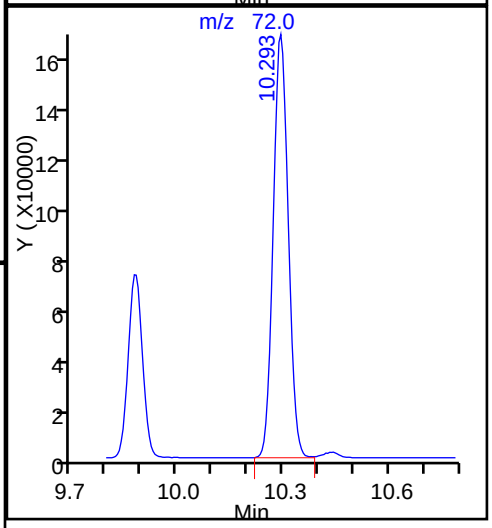
Data File:	\\BTV-LIMS1\ChromData\CHX.i\20150429-13349.b\13349-013.D				
Injection Date:	29-Apr-2015 20:55:30	Instrument ID:	CHX.i		
Lims ID:	200-27725-A-4	Lab Sample ID:	200-27725-4		
Client ID:	101VMP0101GC				
Operator ID:	wrd	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

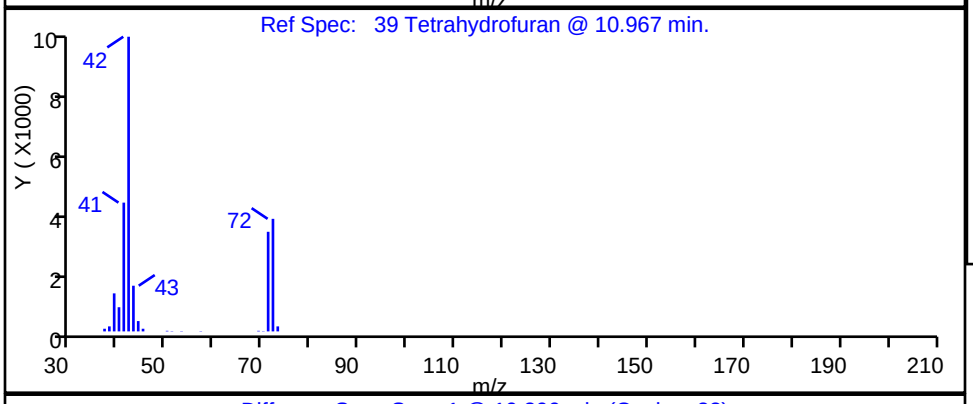
39 Tetrahydrofuran, CAS: 109-99-9

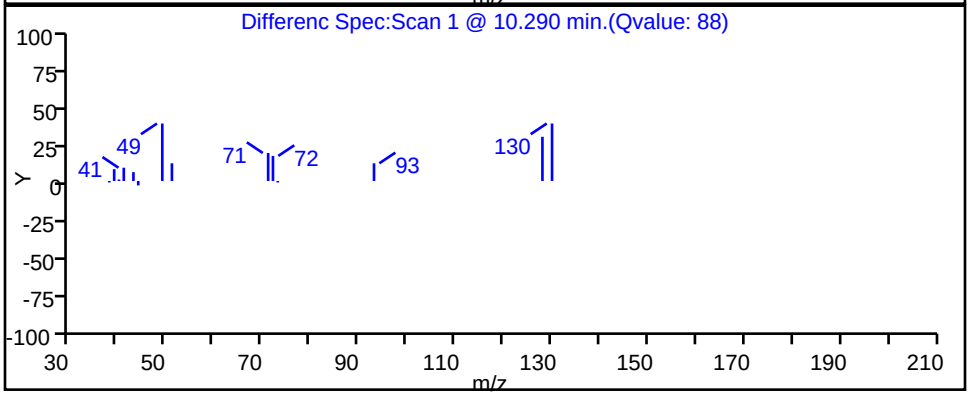








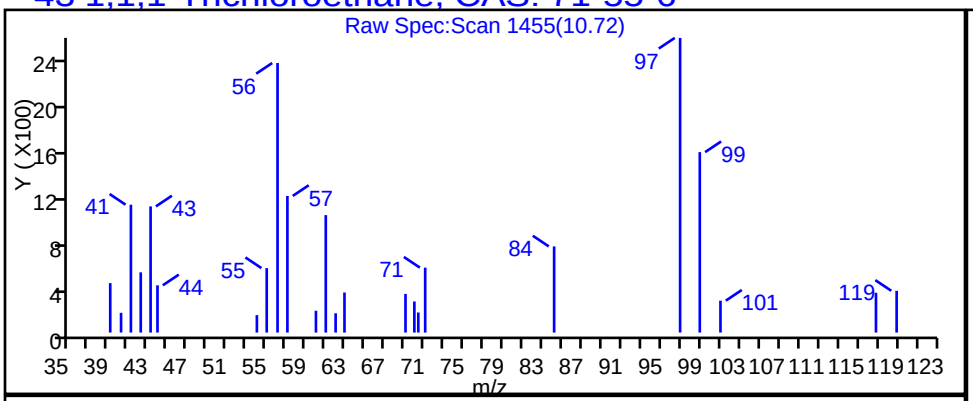


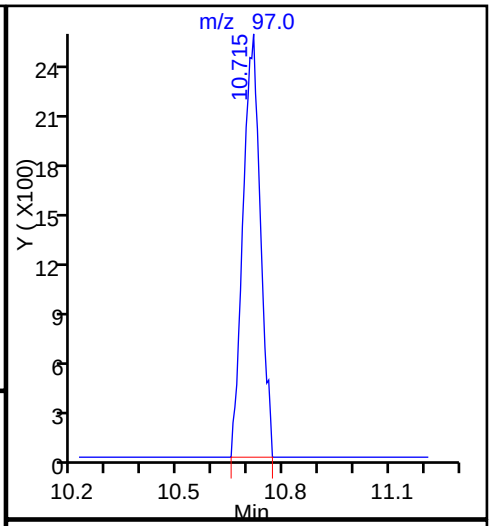


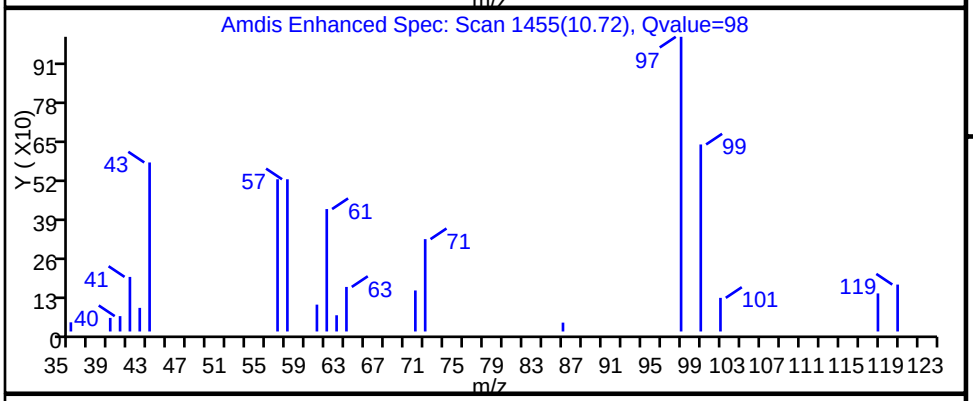
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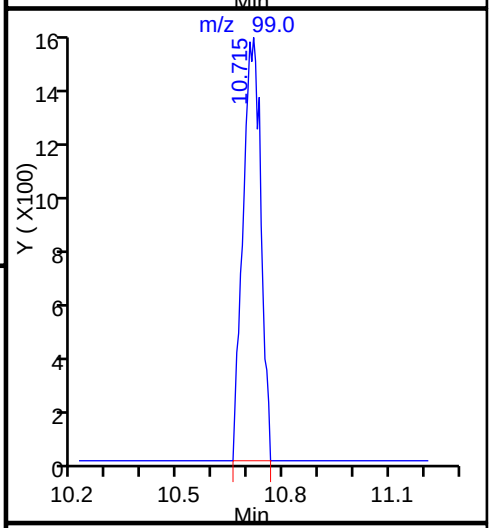
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Injection Date: 29-Apr-2015 20:55:30 Instrument ID: CHX.i
Lims ID: 200-27725-A-4 Lab Sample ID: 200-27725-4
Client ID: 101VMP0101GC
Operator ID: wrd ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

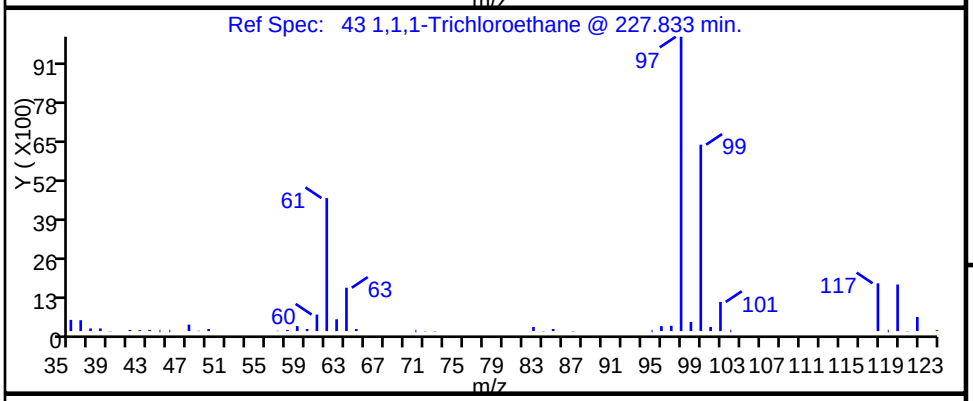
43 1,1,1-Trichloroethane, CAS: 71-55-6

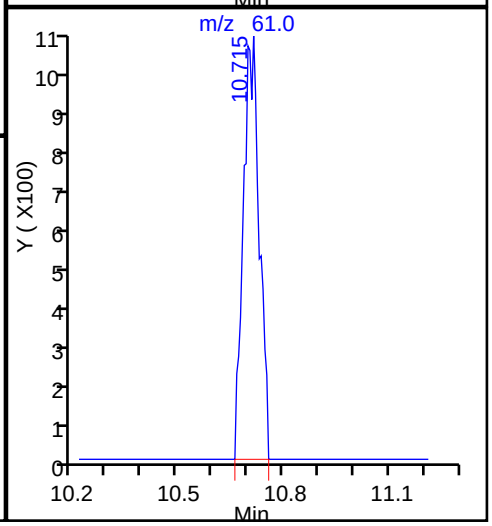


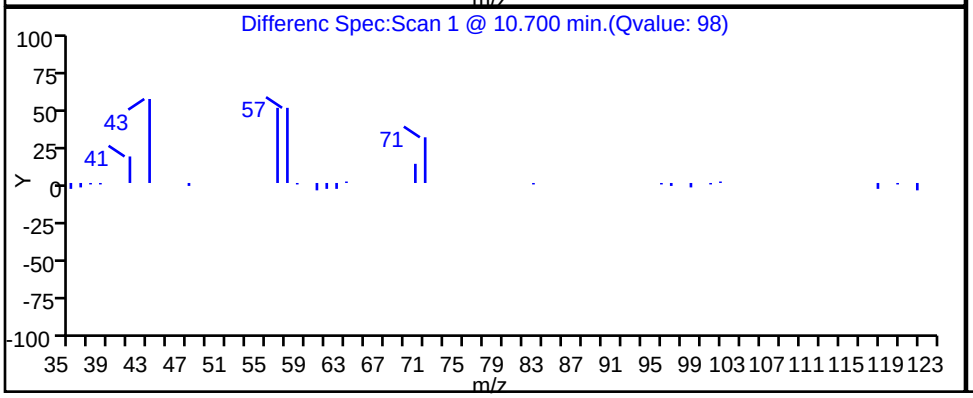








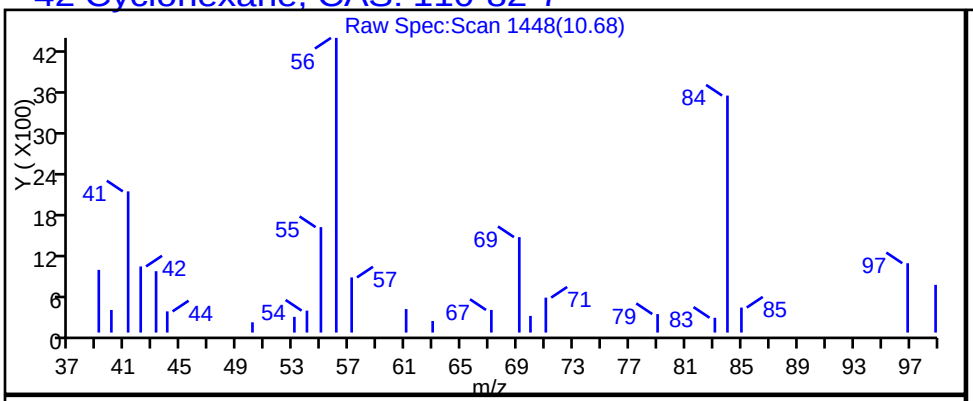


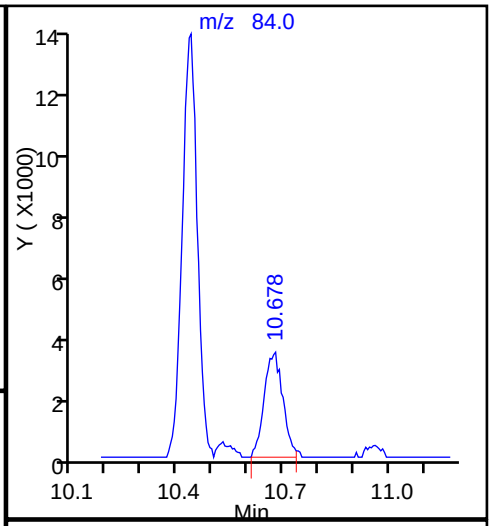


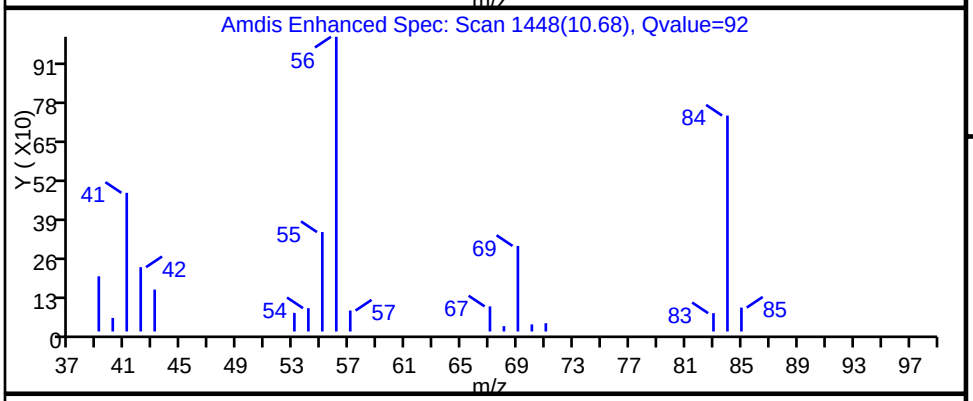
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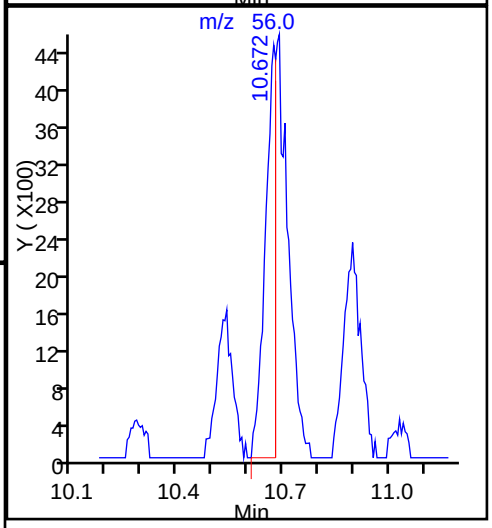
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Injection Date: 29-Apr-2015 20:55:30 Instrument ID: CHX.i
Lims ID: 200-27725-A-4 Lab Sample ID: 200-27725-4
Client ID: 101VMP0101GC
Operator ID: wrd ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

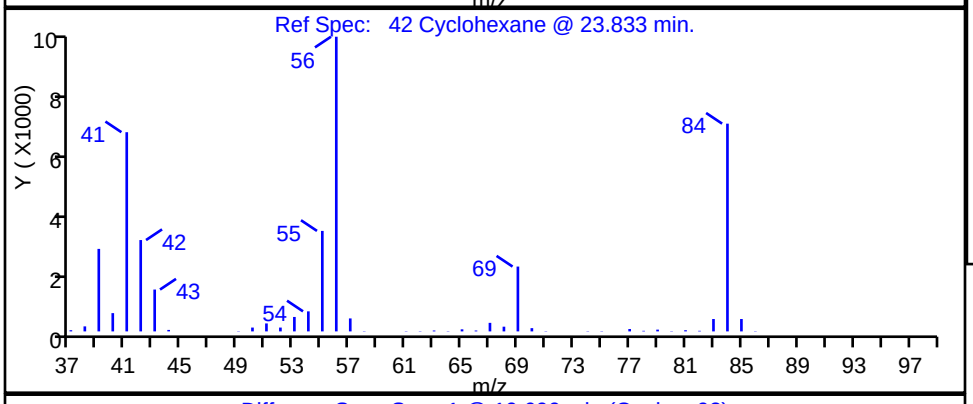
42 Cyclohexane, CAS: 110-82-7

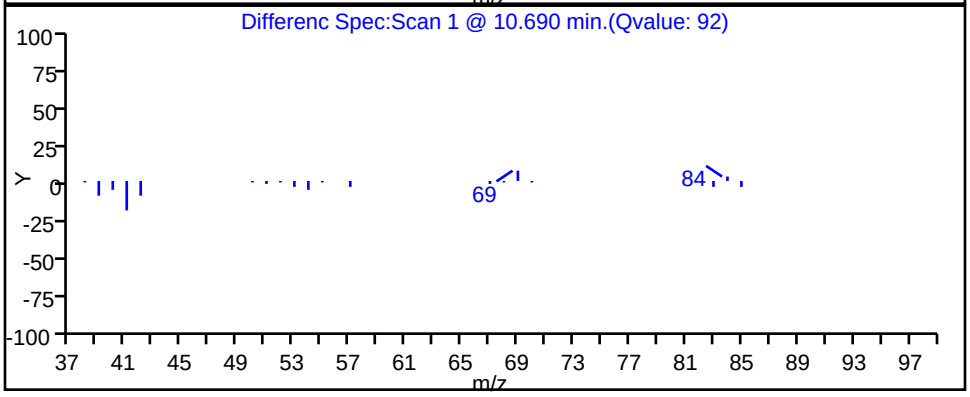








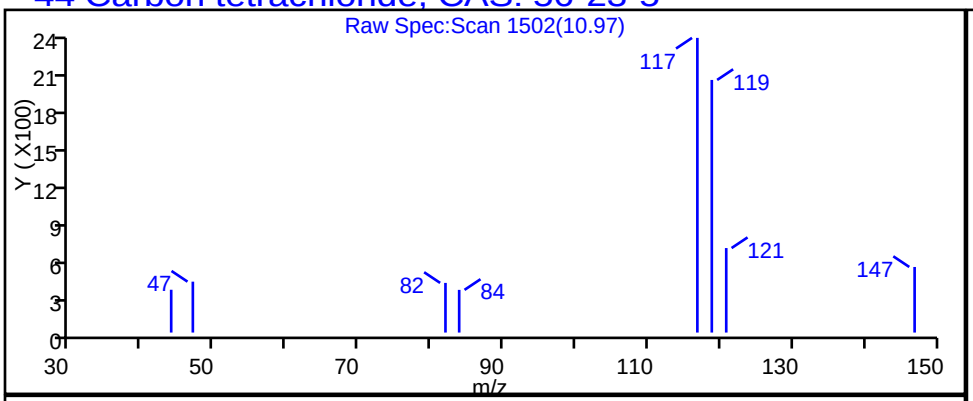


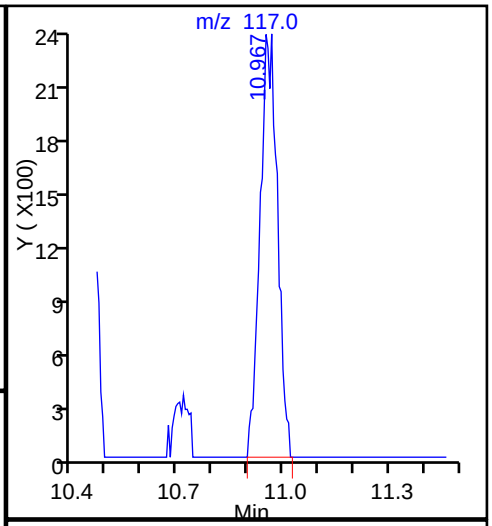


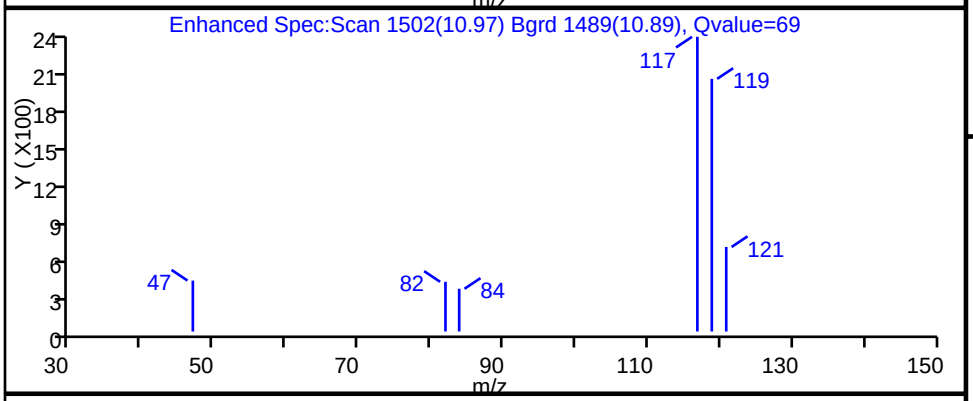
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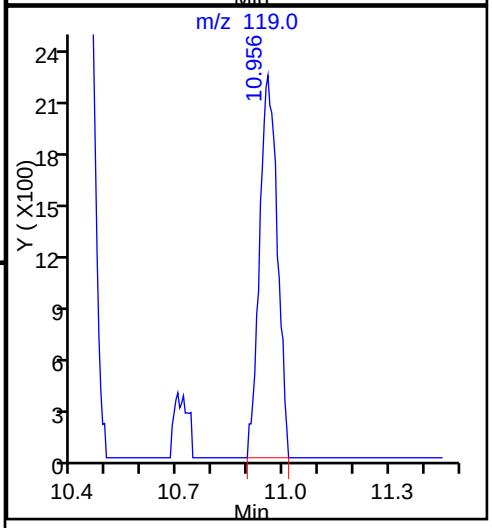
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Injection Date: 29-Apr-2015 20:55:30 Instrument ID: CHX.i
Lims ID: 200-27725-A-4 Lab Sample ID: 200-27725-4
Client ID: 101VMP0101GC
Operator ID: wrd ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

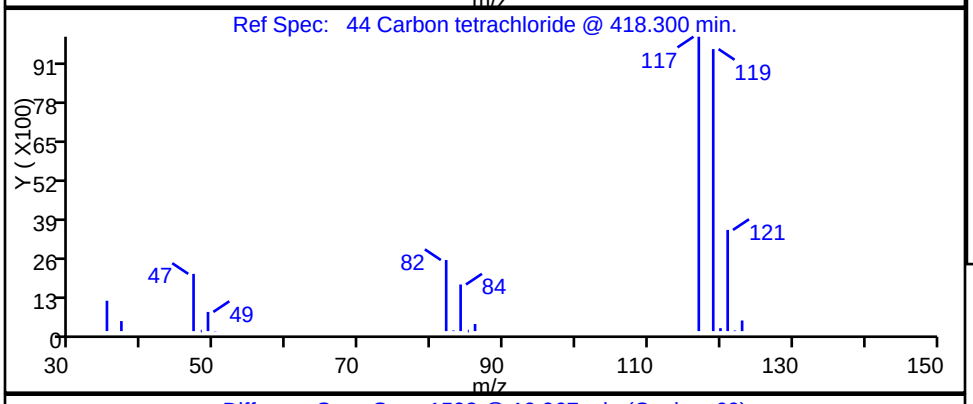
44 Carbon tetrachloride, CAS: 56-23-5

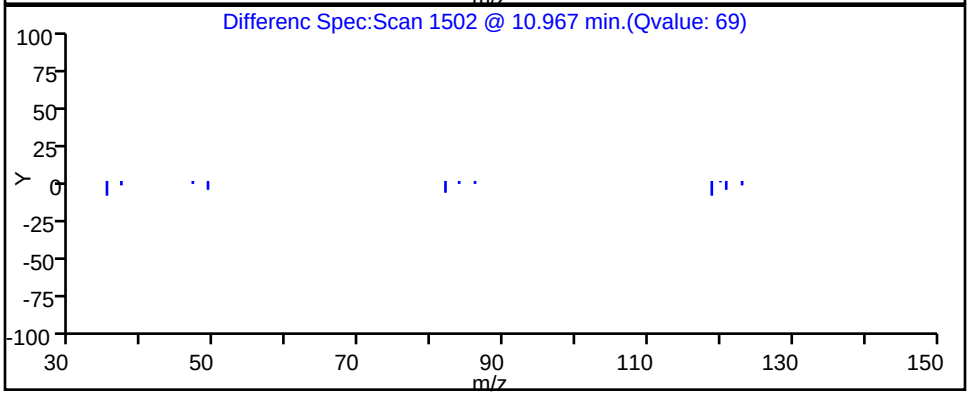






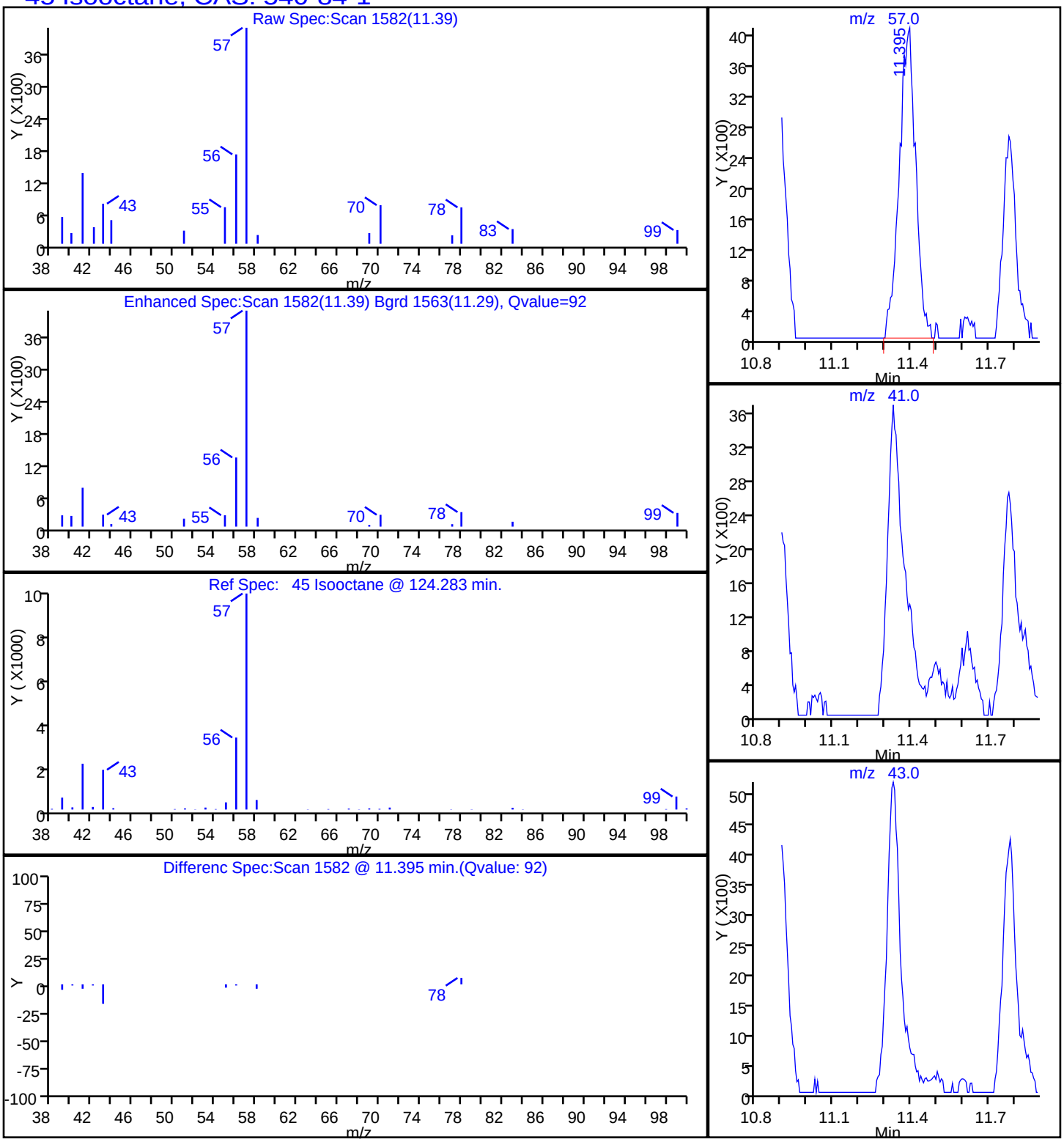






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Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

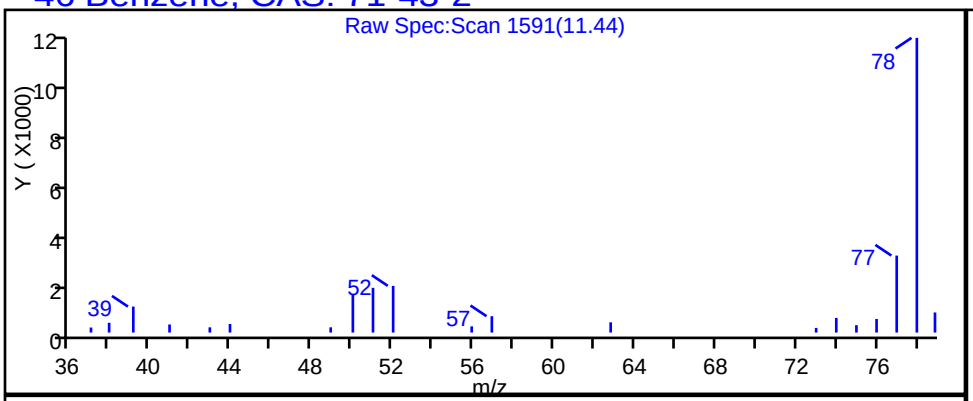
45 Isooctane, CAS: 540-84-1

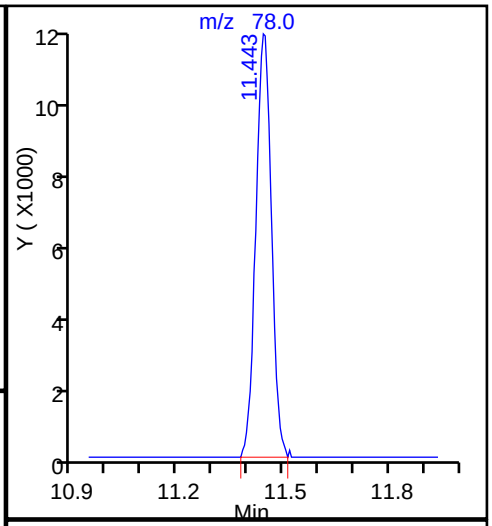


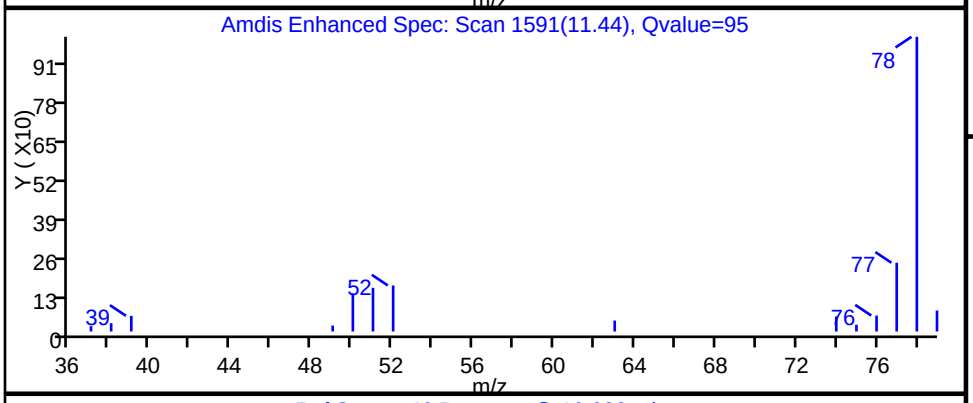
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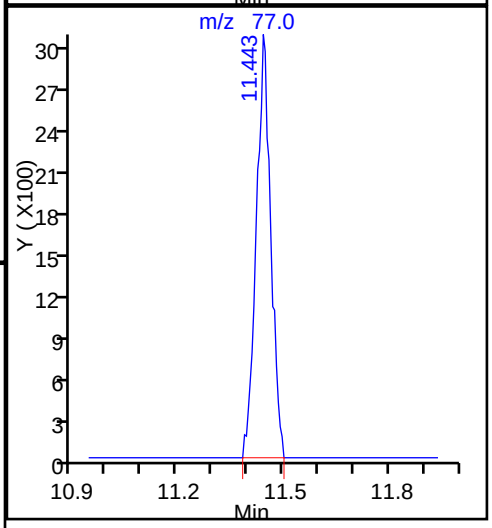
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Injection Date: 29-Apr-2015 20:55:30 Instrument ID: CHX.i
Lims ID: 200-27725-A-4 Lab Sample ID: 200-27725-4
Client ID: 101VMP0101GC
Operator ID: wrd ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

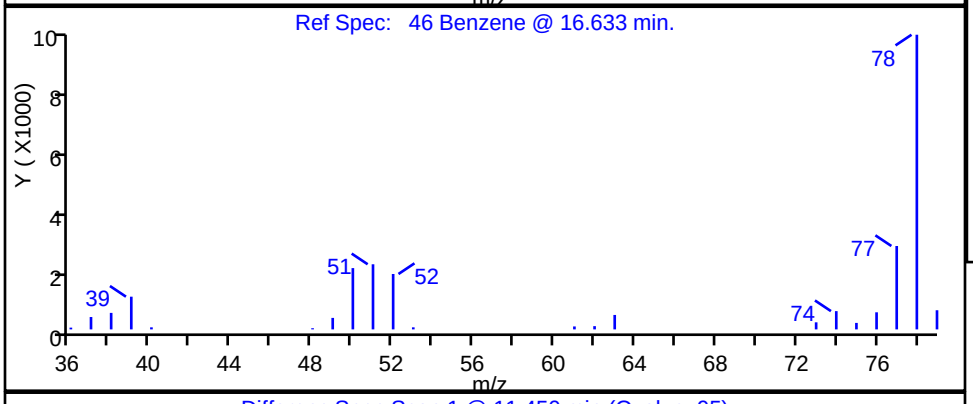
46 Benzene, CAS: 71-43-2

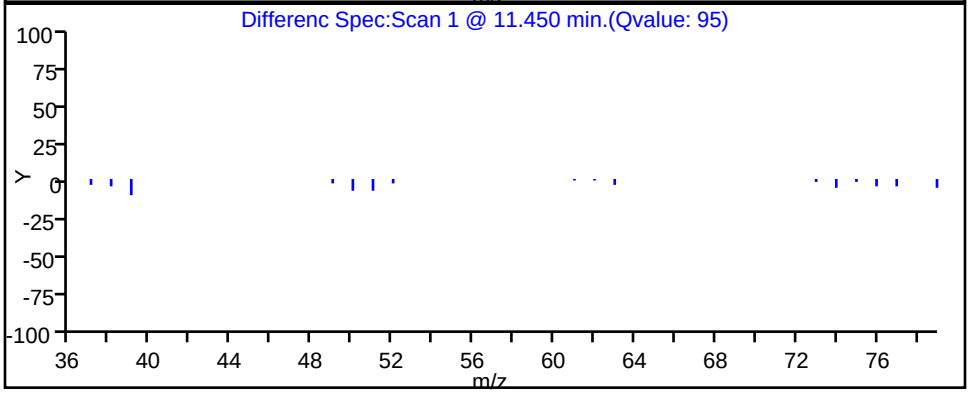






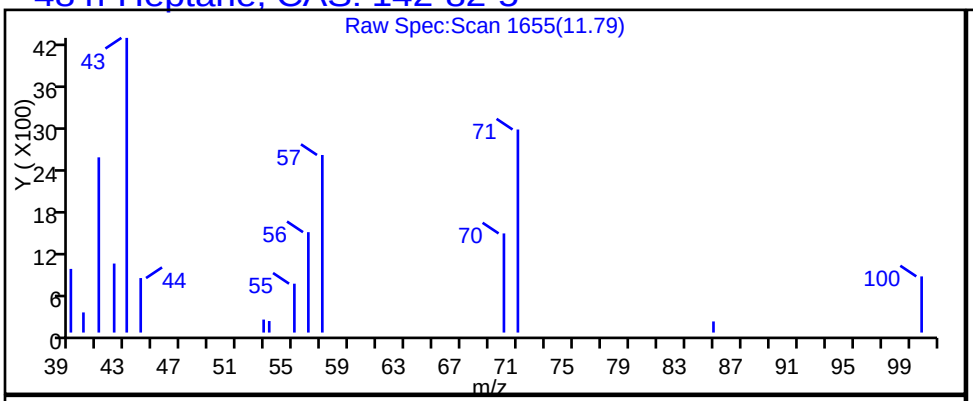


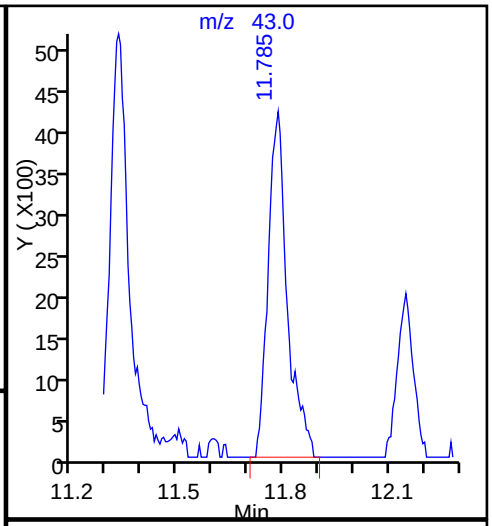


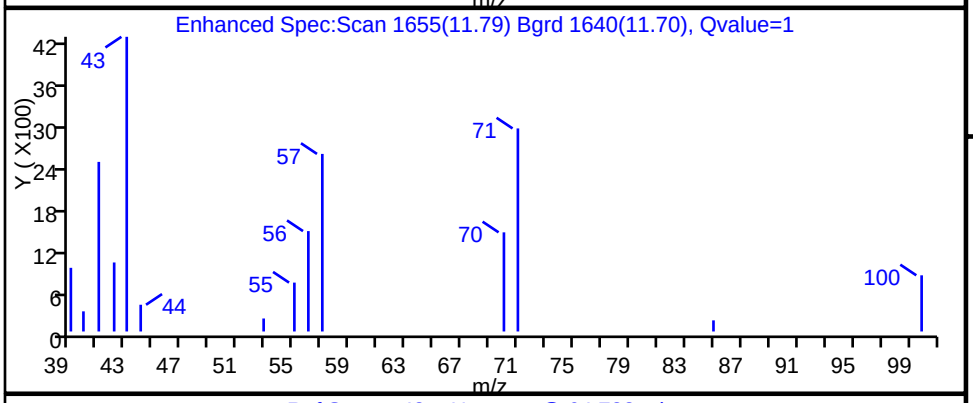


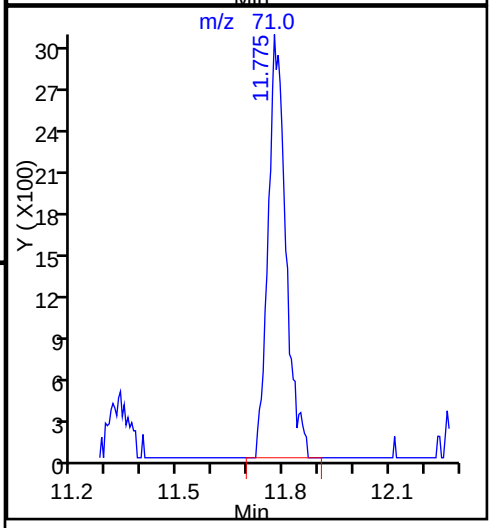
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Injection Date: 29-Apr-2015 20:55:30 Instrument ID: CHX.i
Lims ID: 200-27725-A-4 Lab Sample ID: 200-27725-4
Client ID: 101VMP0101GC
Operator ID: wrd ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

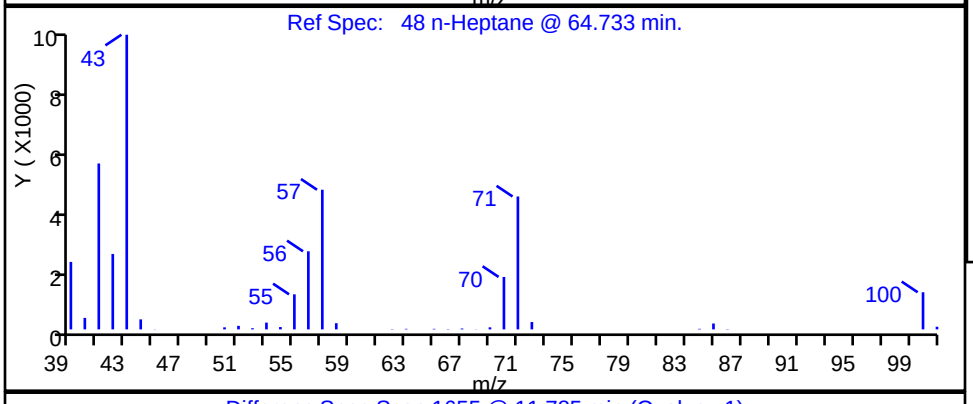
48 n-Heptane, CAS: 142-82-5

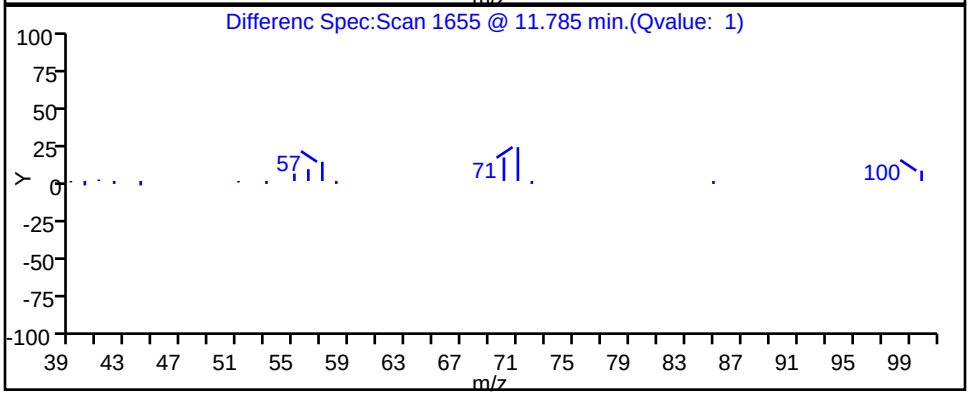








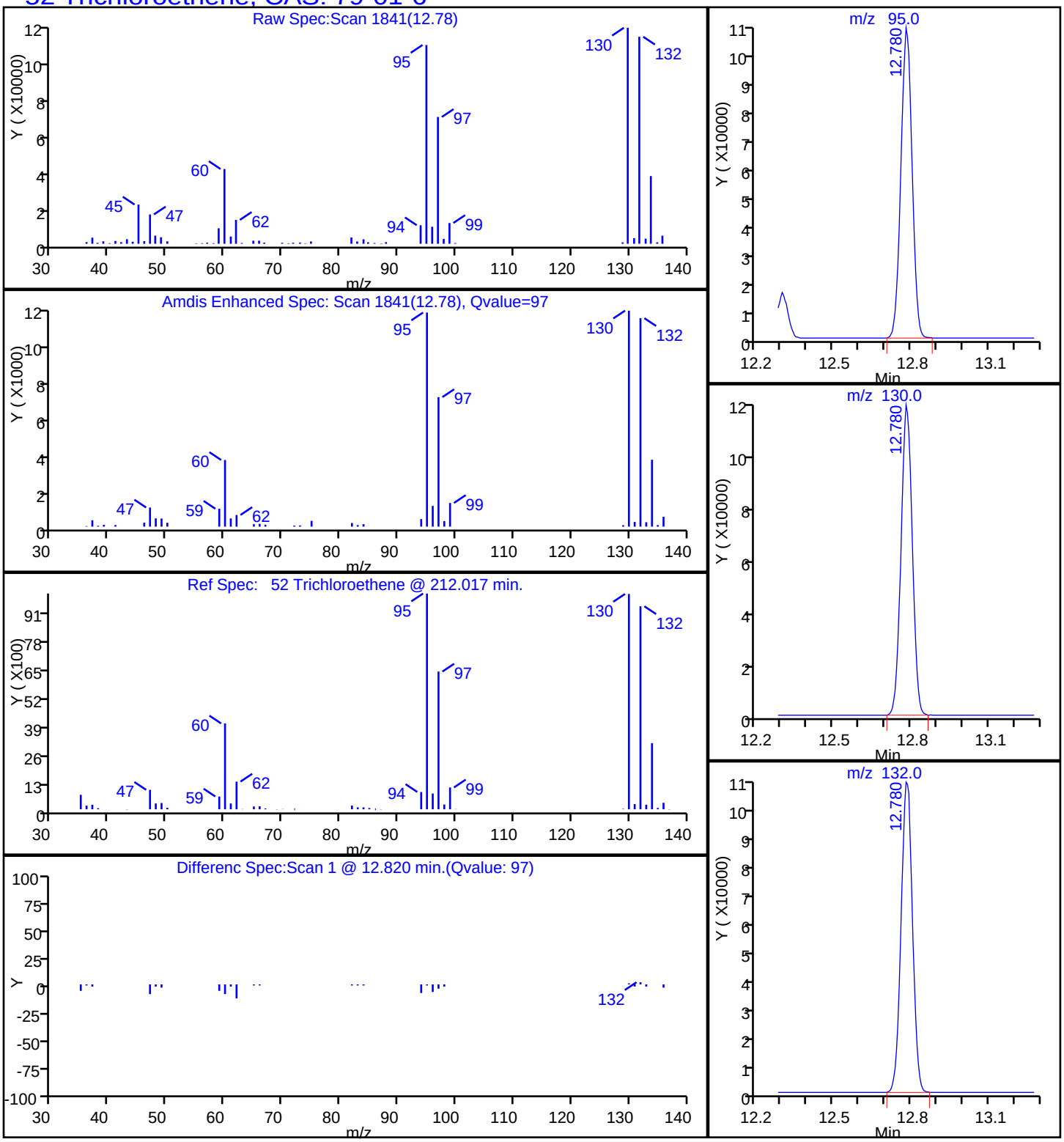




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Purge Vol: 200.000 mL Dil. Factor: 1.0000
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Column: RTX-624 (0.32 mm) Detector MS SCAN

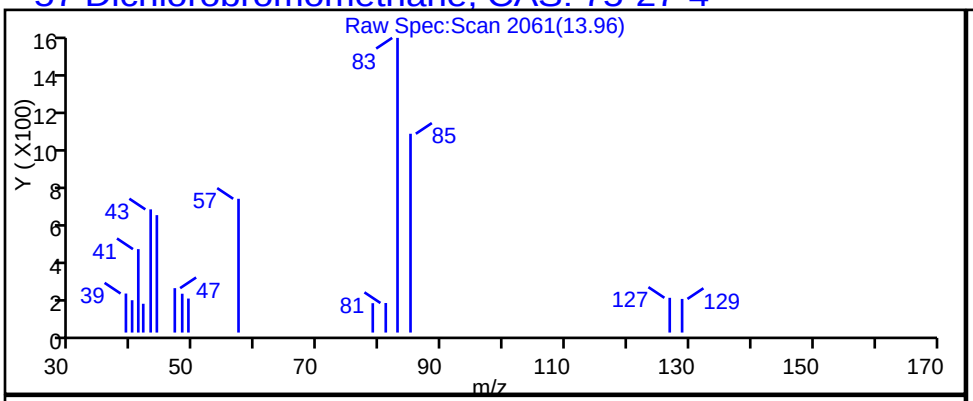
52 Trichloroethene, CAS: 79-01-6

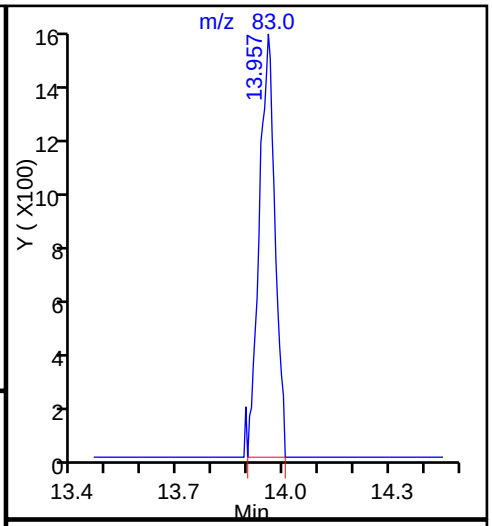


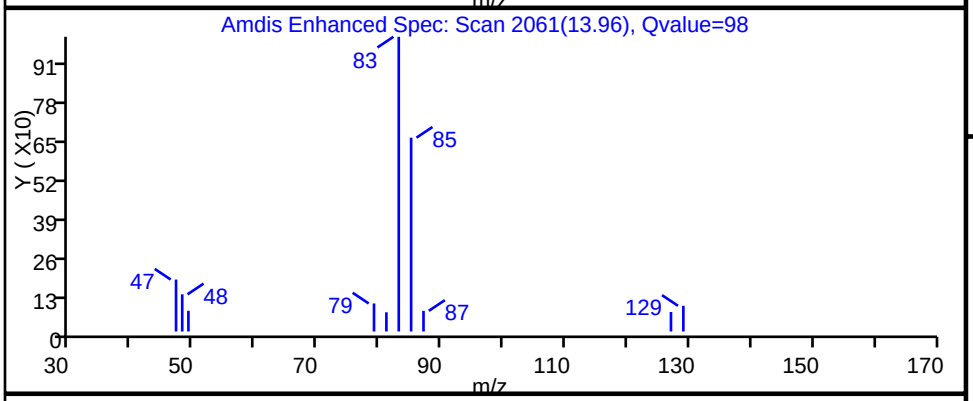
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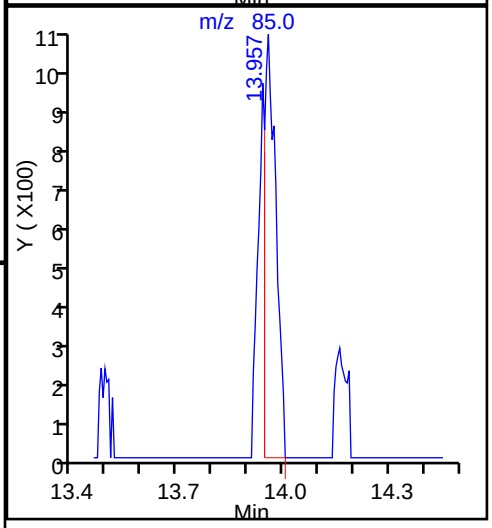
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Lims ID:	200-27725-A-4	Lab Sample ID:	200-27725-4		
Client ID:	101VMP0101GC				
Operator ID:	wrd	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

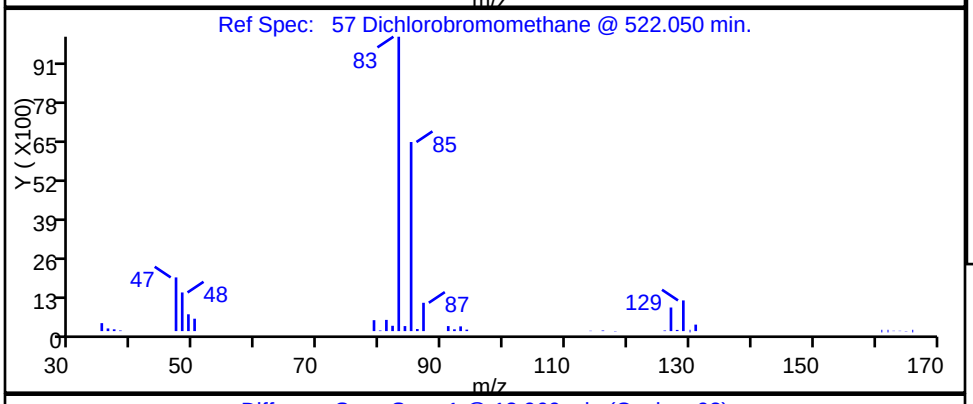
57 Dichlorobromomethane, CAS: 75-27-4

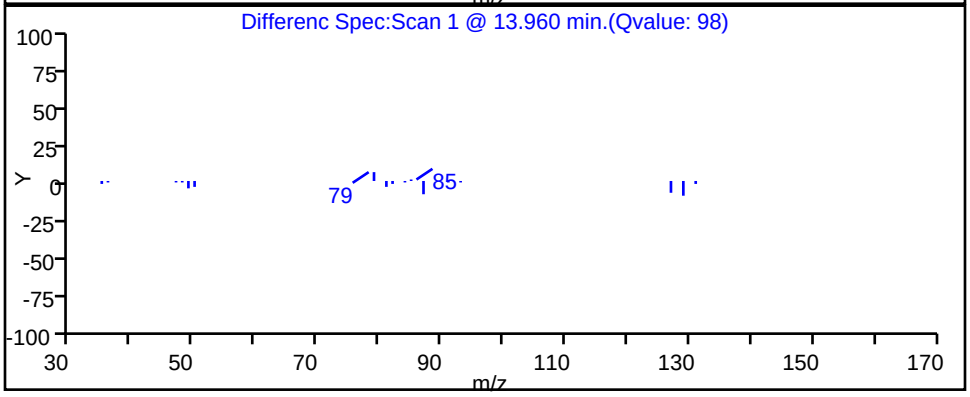








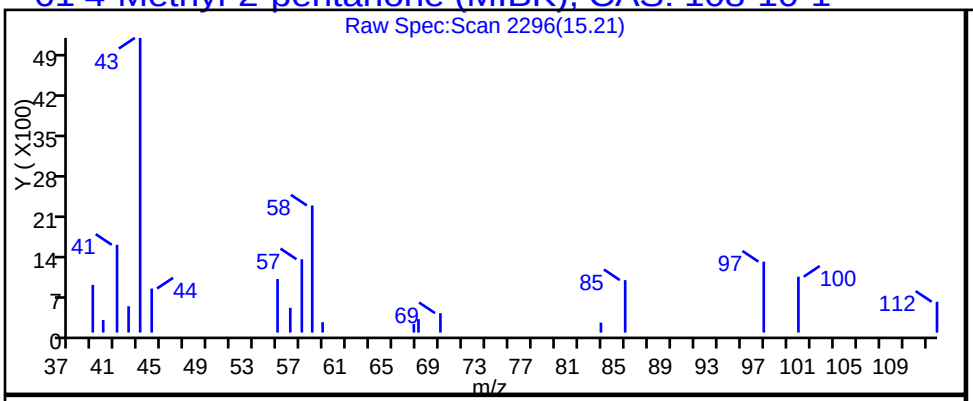


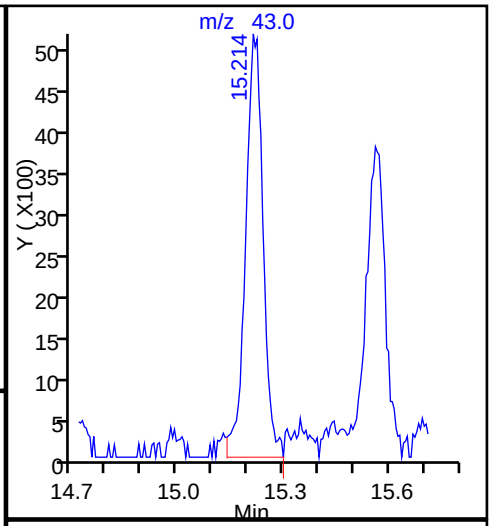


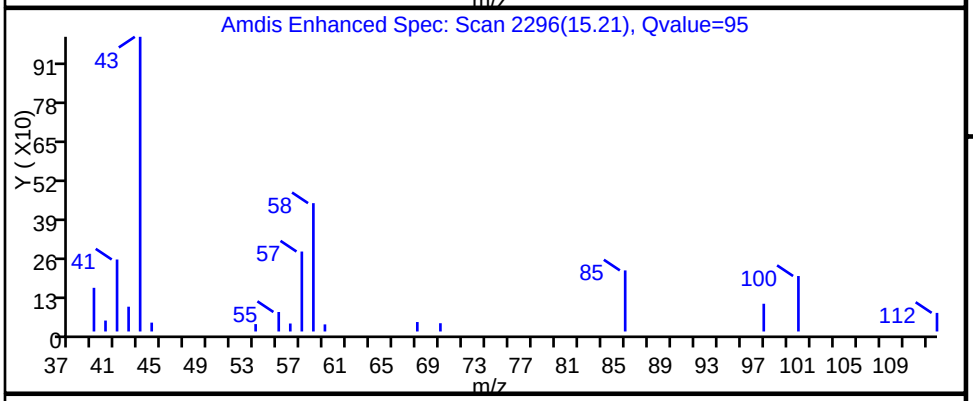
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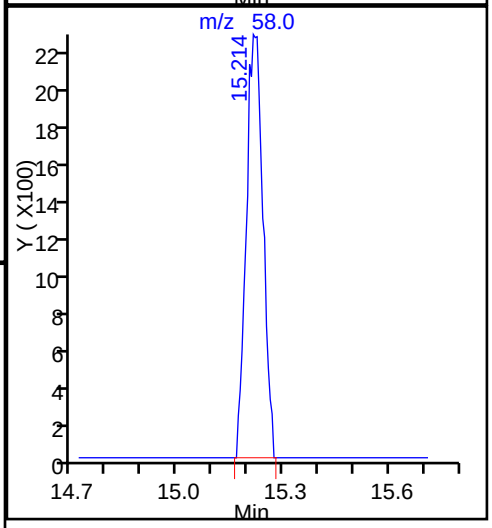
Data File:	\\BTV-LIMS1\ChromData\CHX.i\20150429-13349.b\13349-013.D				
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Lims ID:	200-27725-A-4	Lab Sample ID:	200-27725-4		
Client ID:	101VMP0101GC				
Operator ID:	wrd	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

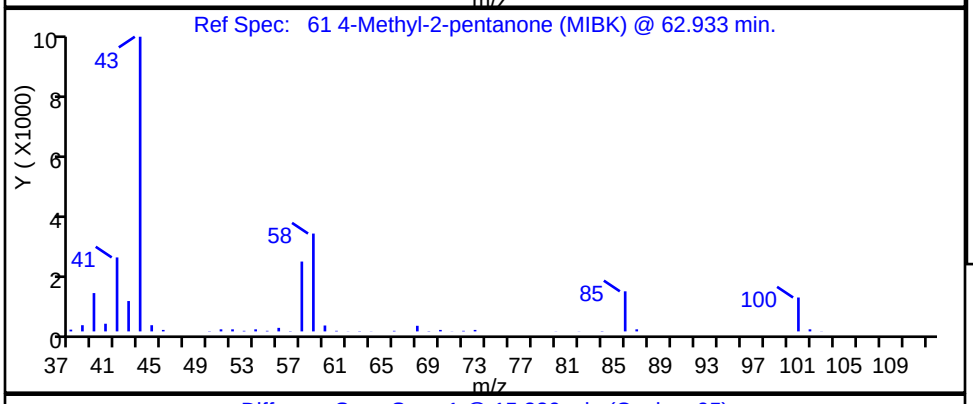
61 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

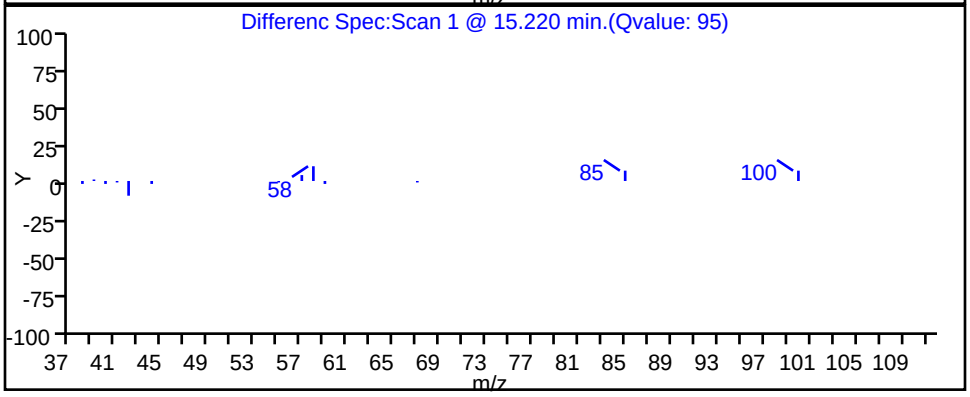








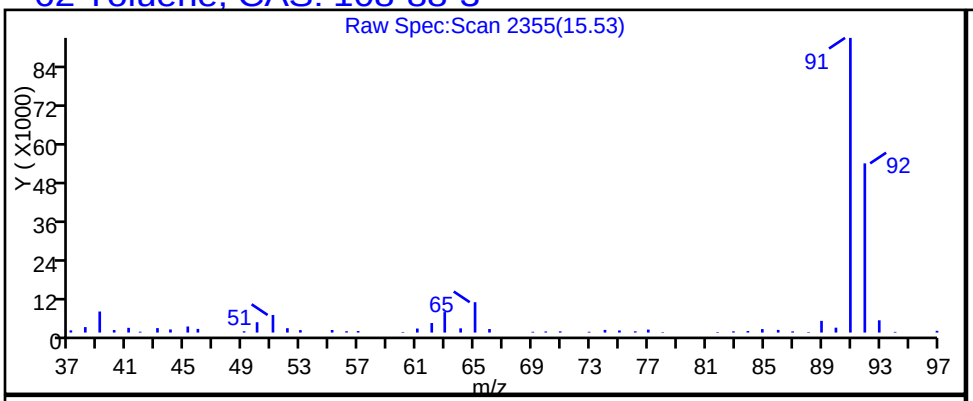


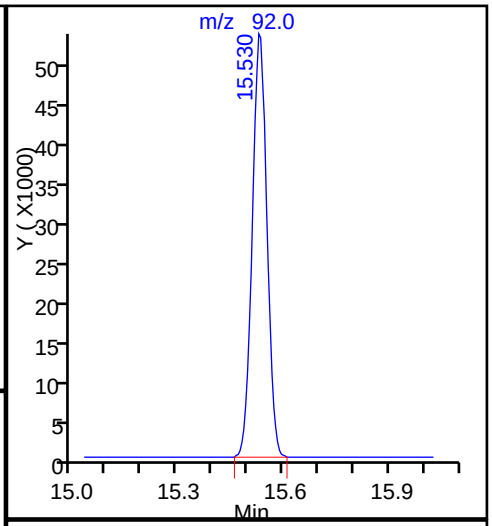


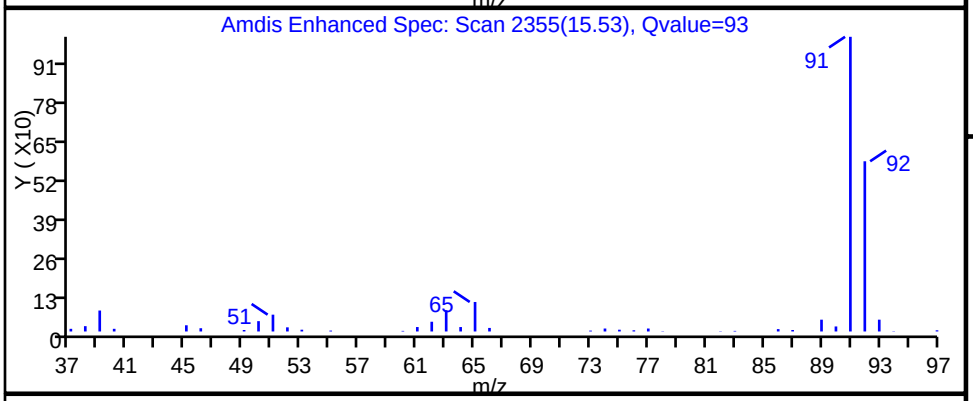
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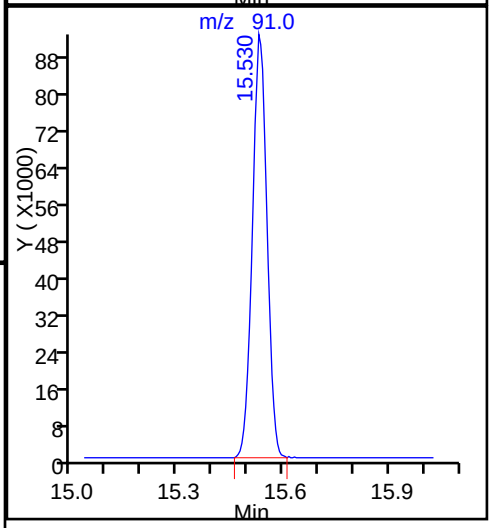
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Injection Date: 29-Apr-2015 20:55:30 Instrument ID: CHX.i
Lims ID: 200-27725-A-4 Lab Sample ID: 200-27725-4
Client ID: 101VMP0101GC
Operator ID: wrd ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

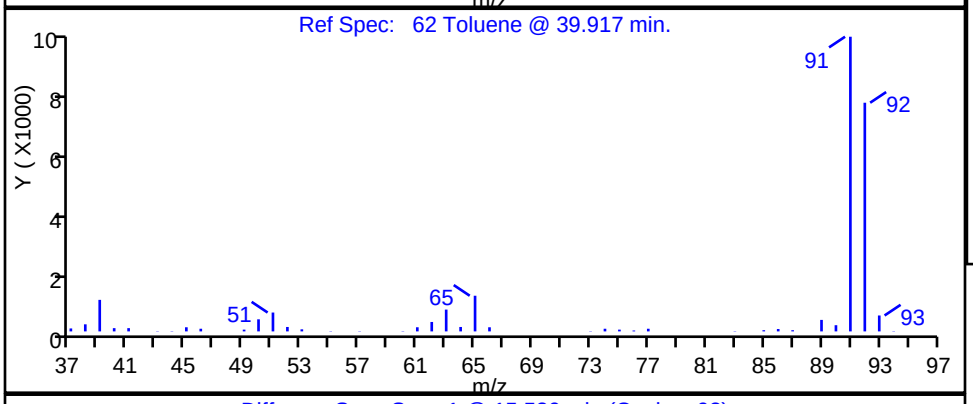
62 Toluene, CAS: 108-88-3

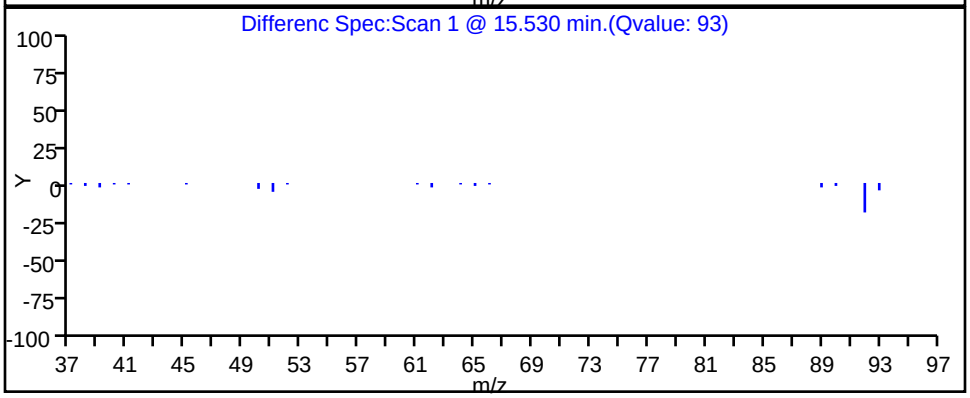








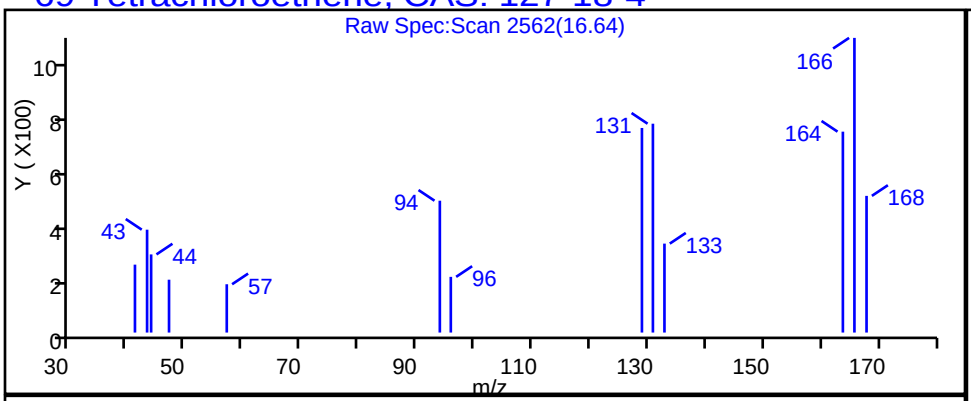


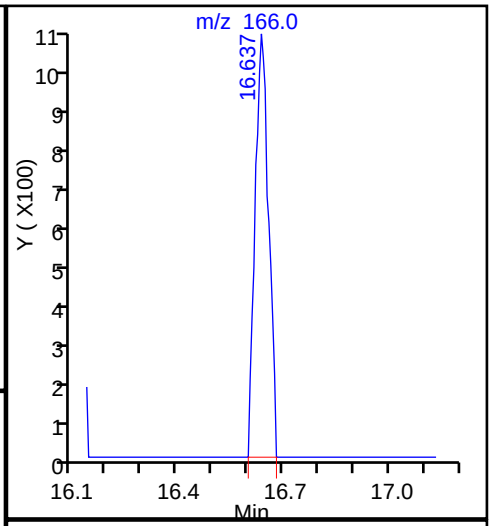


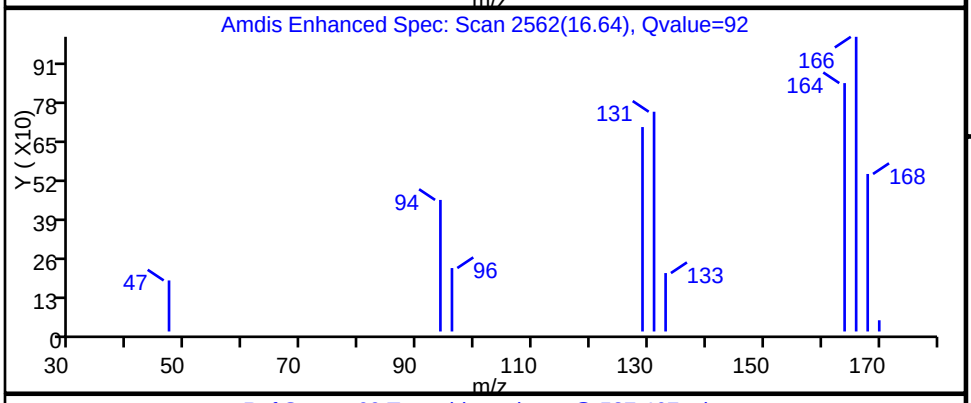
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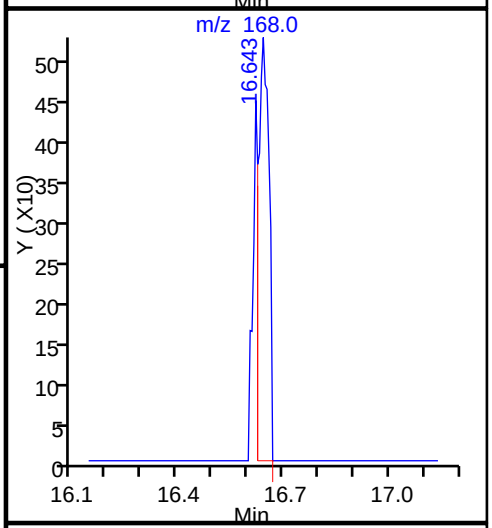
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Injection Date: 29-Apr-2015 20:55:30 Instrument ID: CHX.i
Lims ID: 200-27725-A-4 Lab Sample ID: 200-27725-4
Client ID: 101VMP0101GC
Operator ID: wrd ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

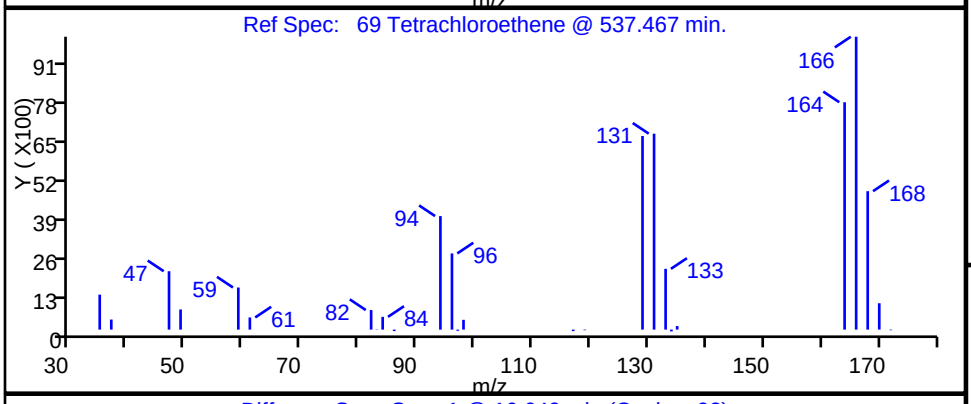
69 Tetrachloroethene, CAS: 127-18-4

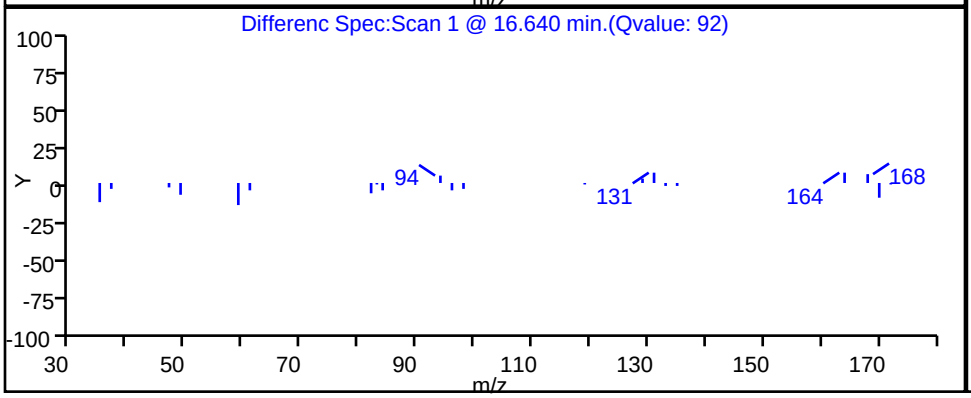


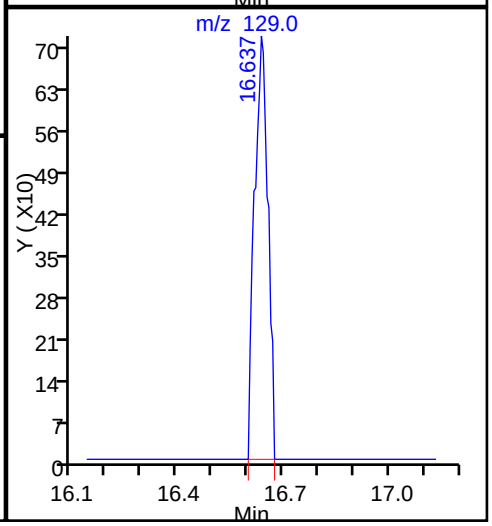










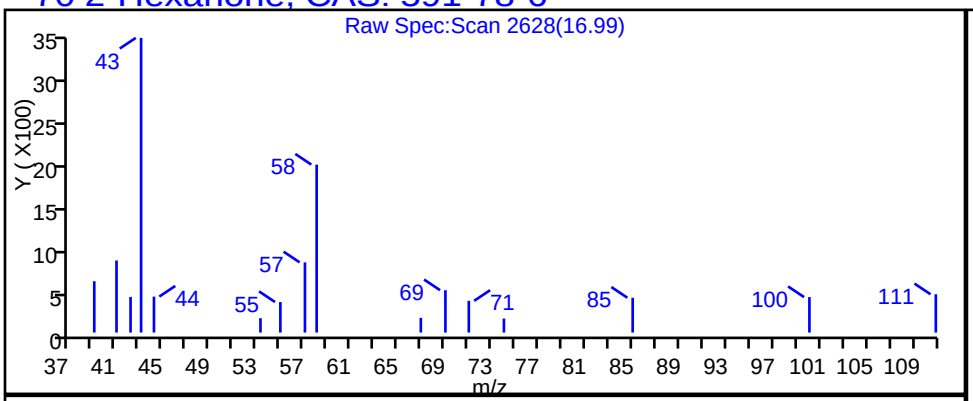


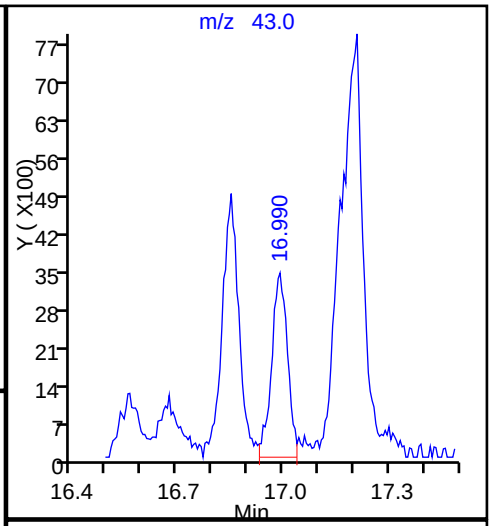
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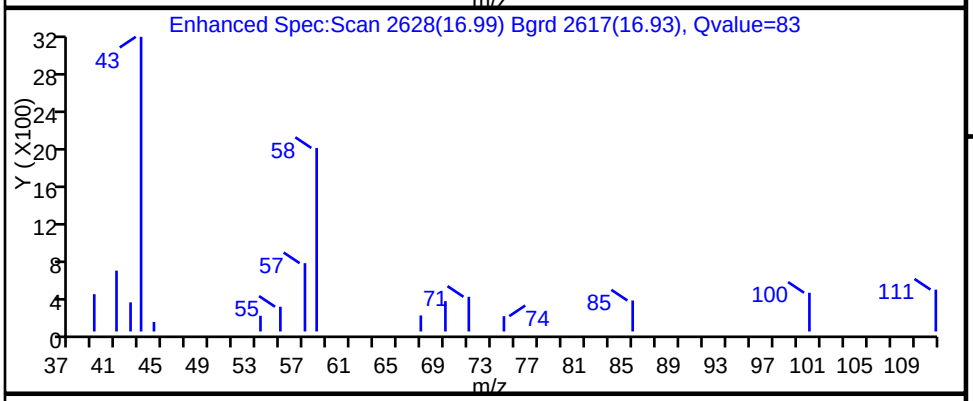
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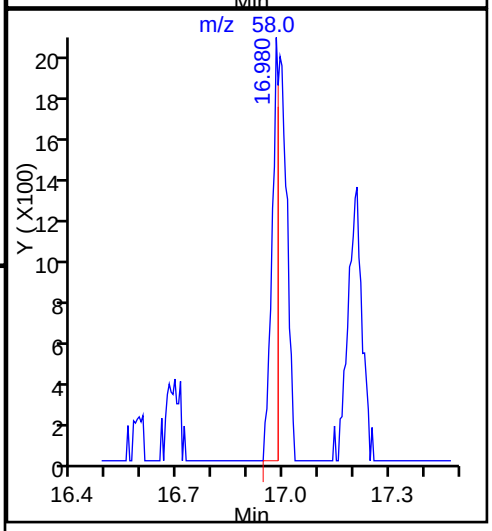
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Lims ID:	200-27725-A-4	Lab Sample ID:	200-27725-4		
Client ID:	101VMP0101GC				
Operator ID:	wrd	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

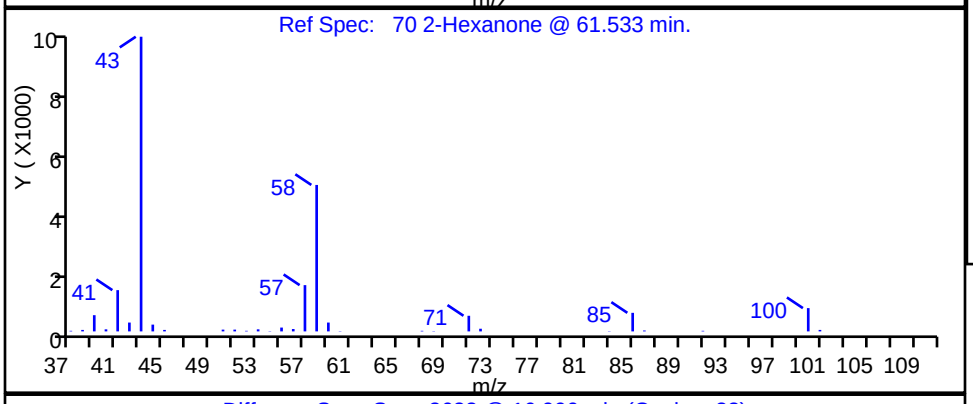
70 2-Hexanone, CAS: 591-78-6

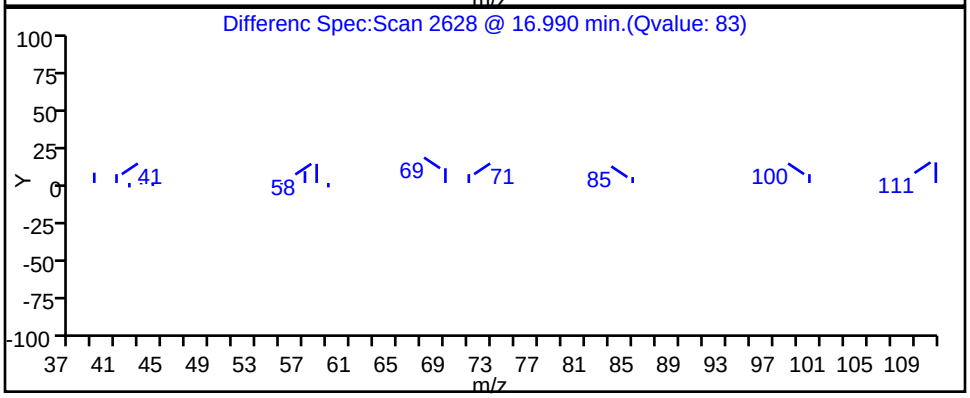








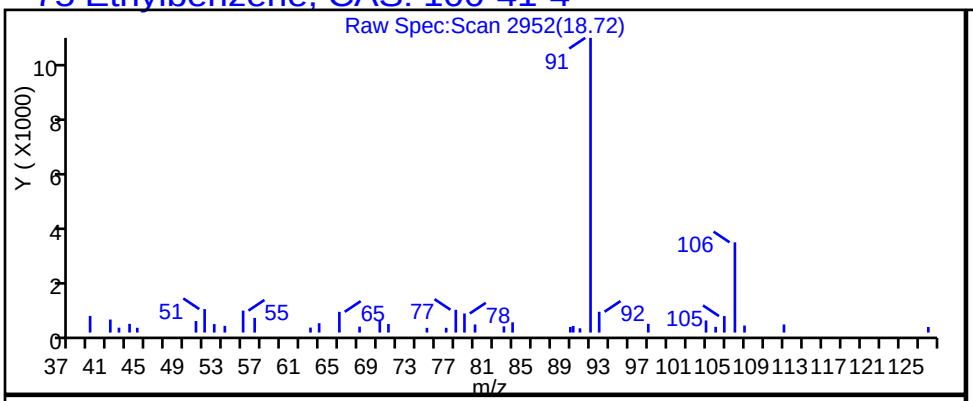


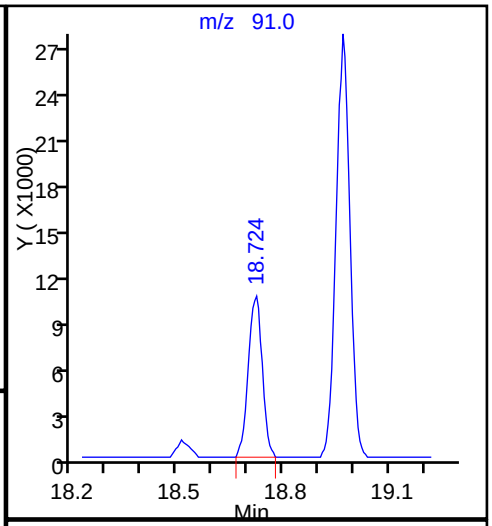


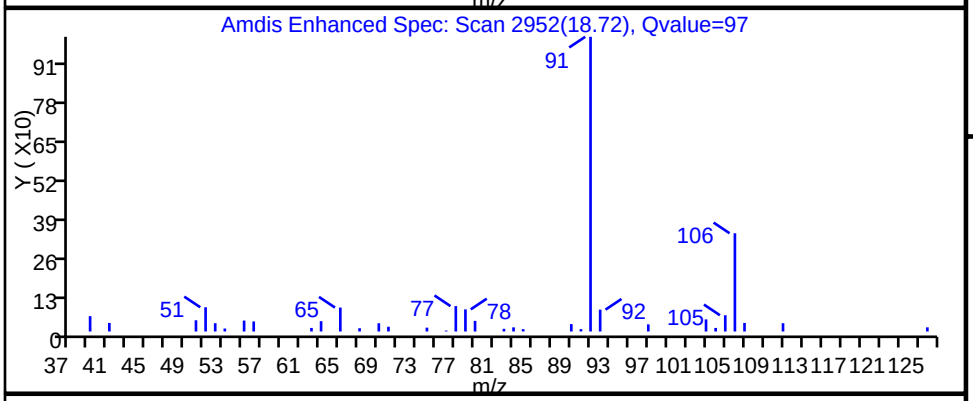
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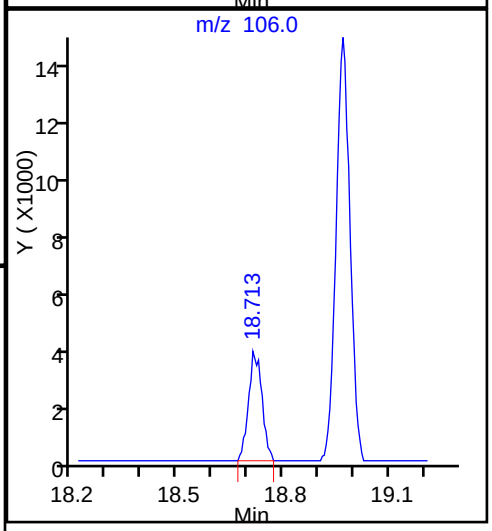
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Injection Date: 29-Apr-2015 20:55:30 Instrument ID: CHX.i
Lims ID: 200-27725-A-4 Lab Sample ID: 200-27725-4
Client ID: 101VMP0101GC
Operator ID: wrd ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

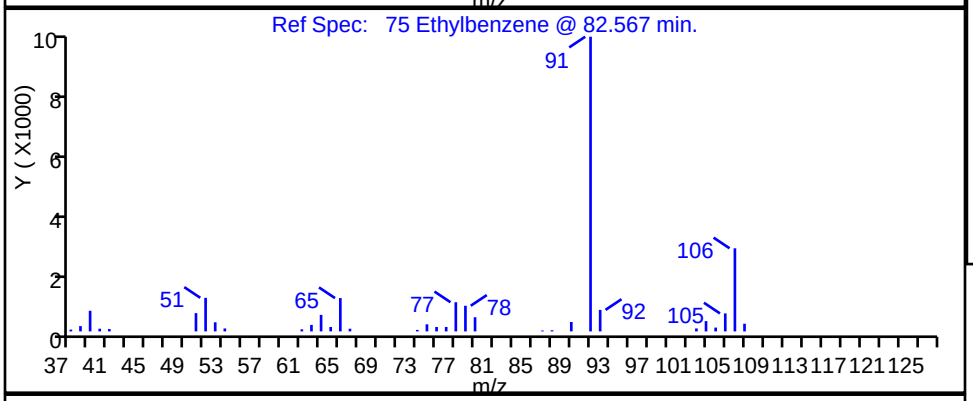
75 Ethylbenzene, CAS: 100-41-4

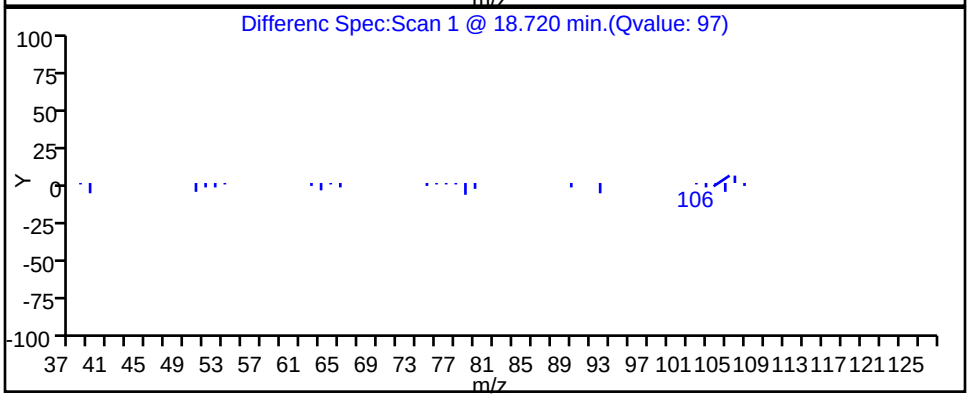






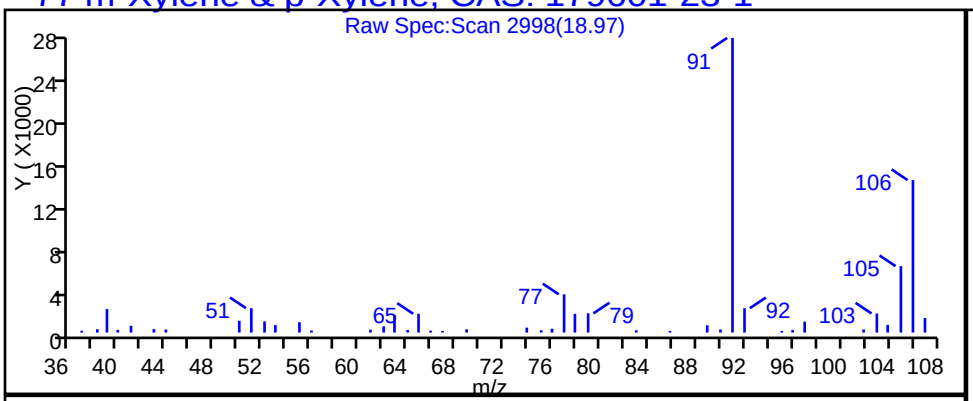


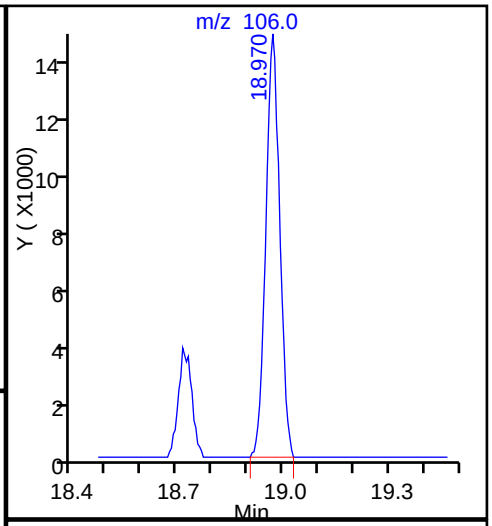


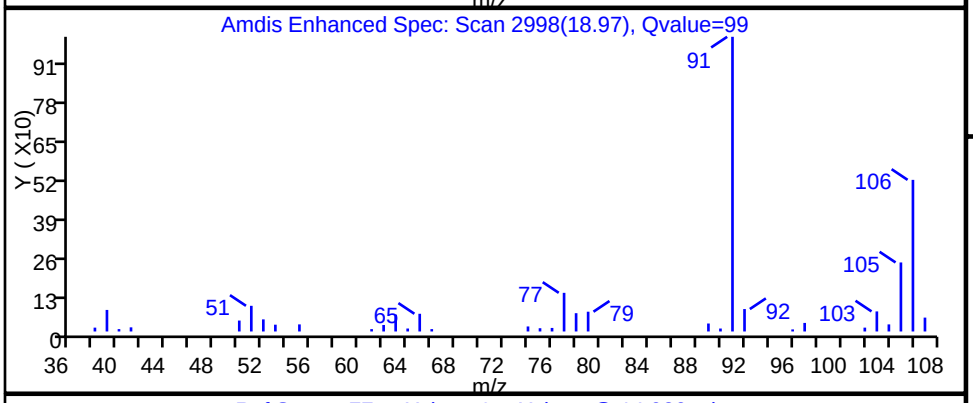


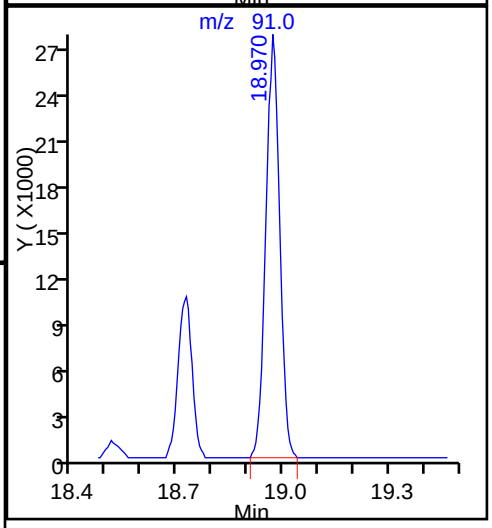
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Injection Date: 29-Apr-2015 20:55:30 Instrument ID: CHX.i
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Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

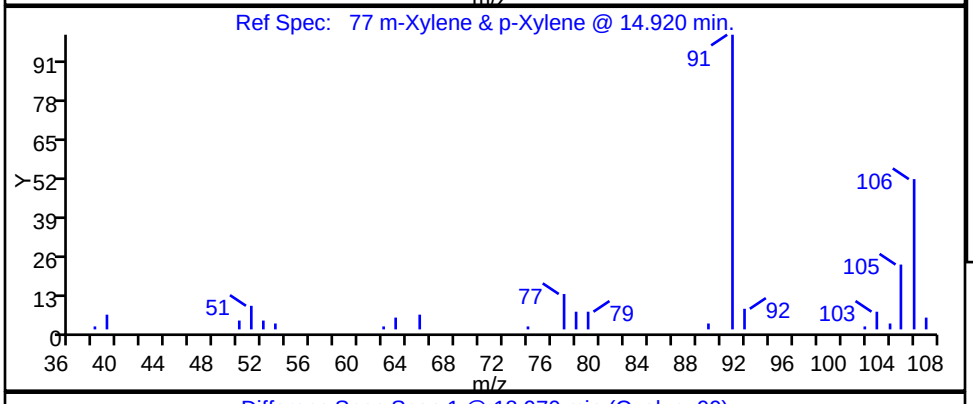
77 m-Xylene & p-Xylene, CAS: 179601-23-1

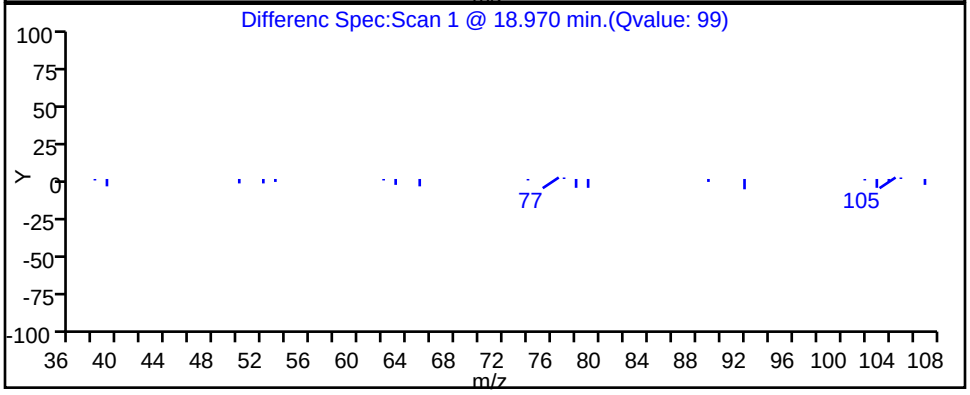






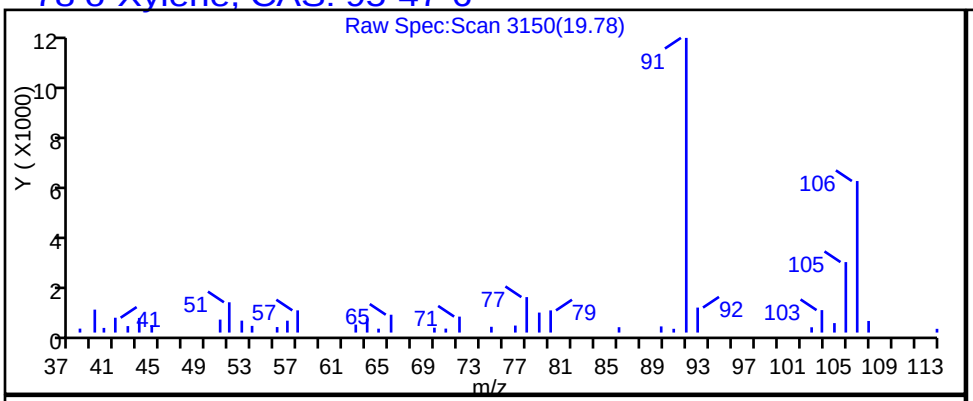


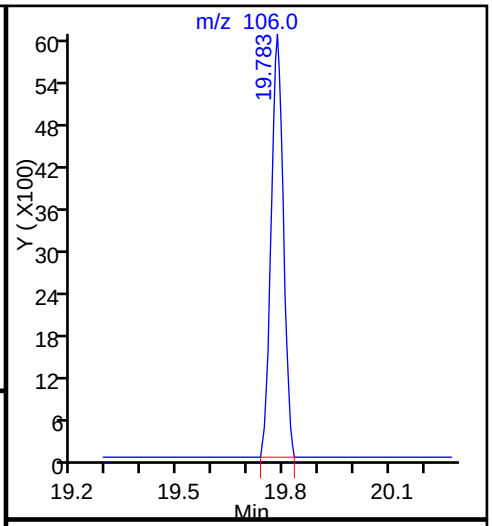


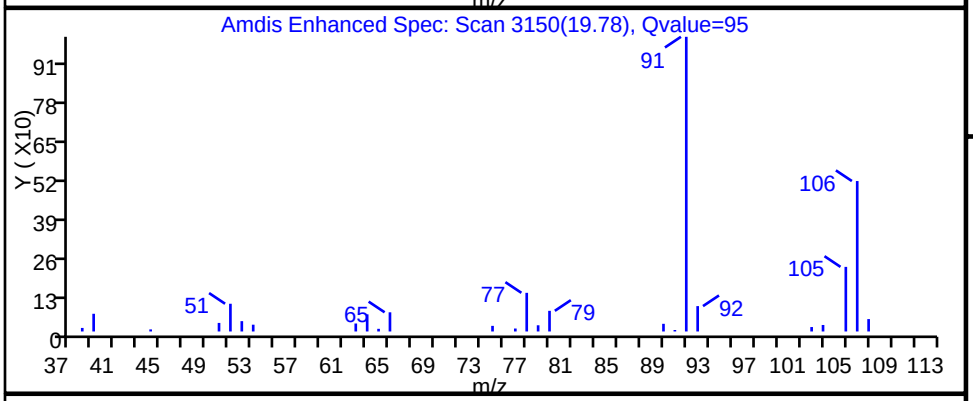


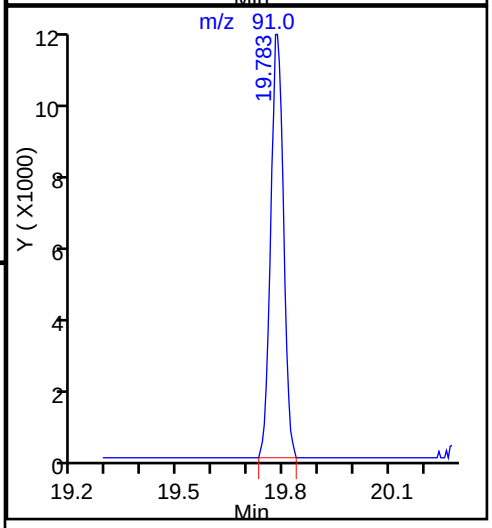
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Lims ID: 200-27725-A-4 Lab Sample ID: 200-27725-4
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Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

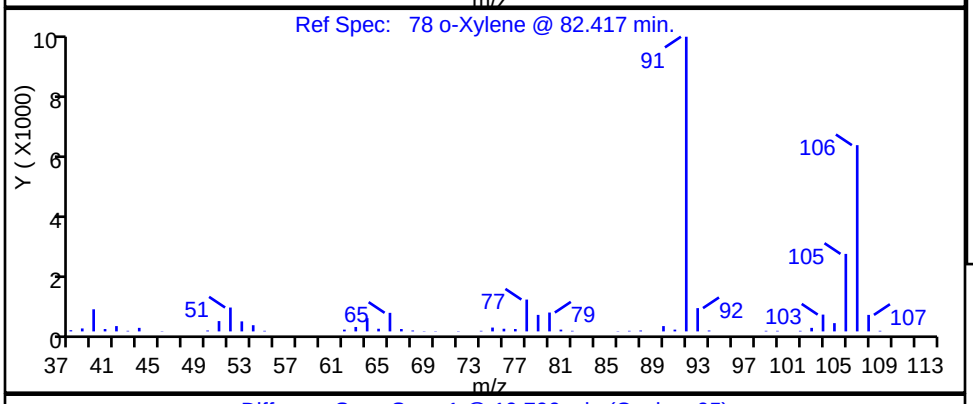
78 o-Xylene, CAS: 95-47-6

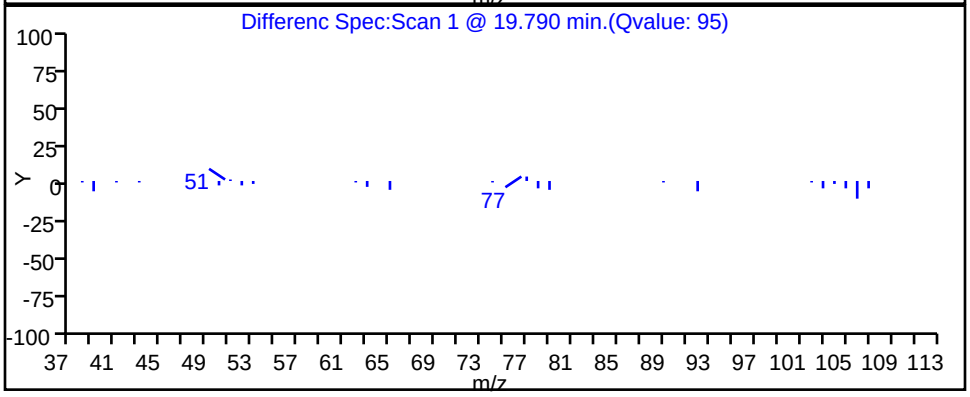






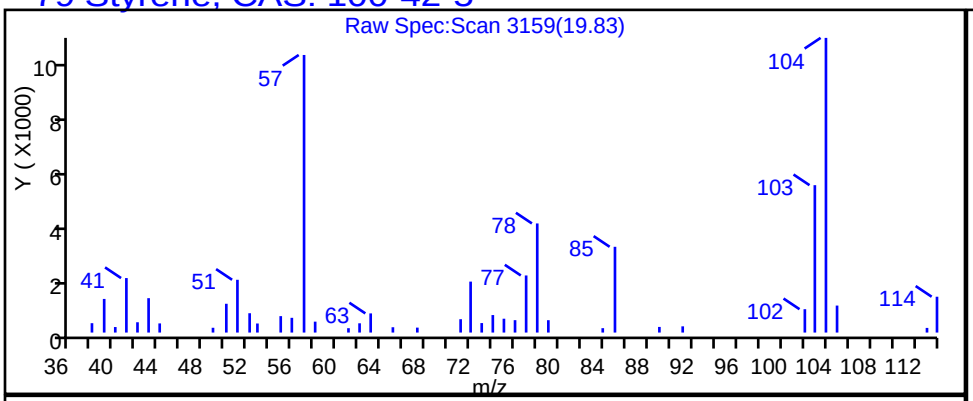


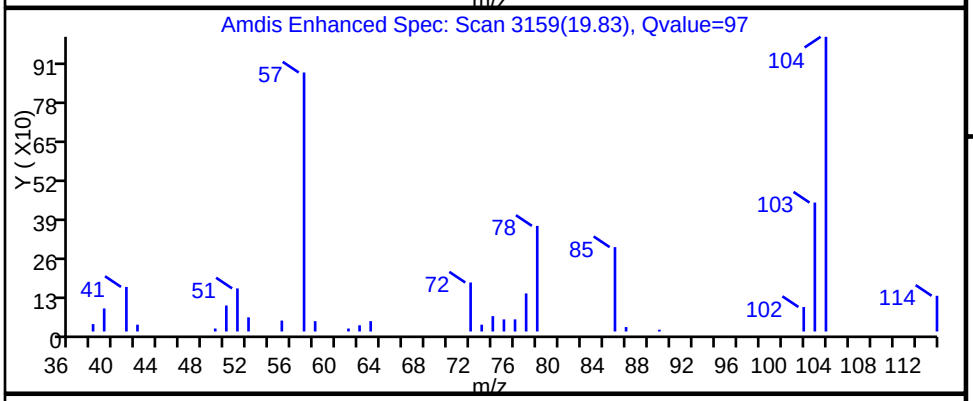


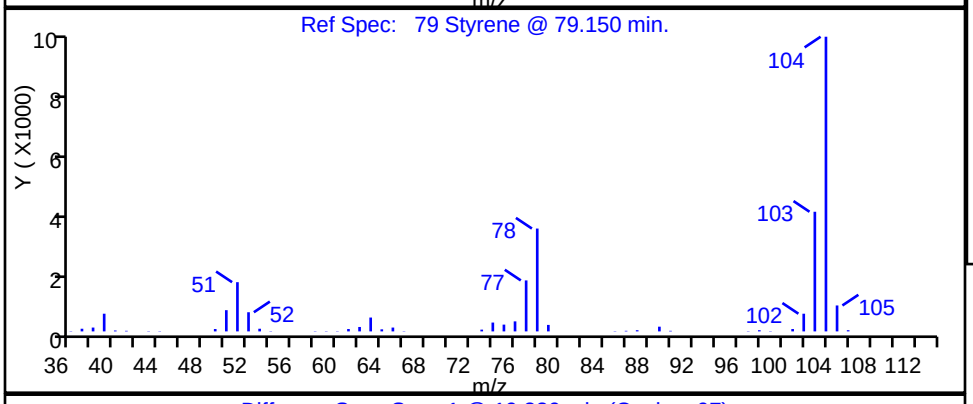


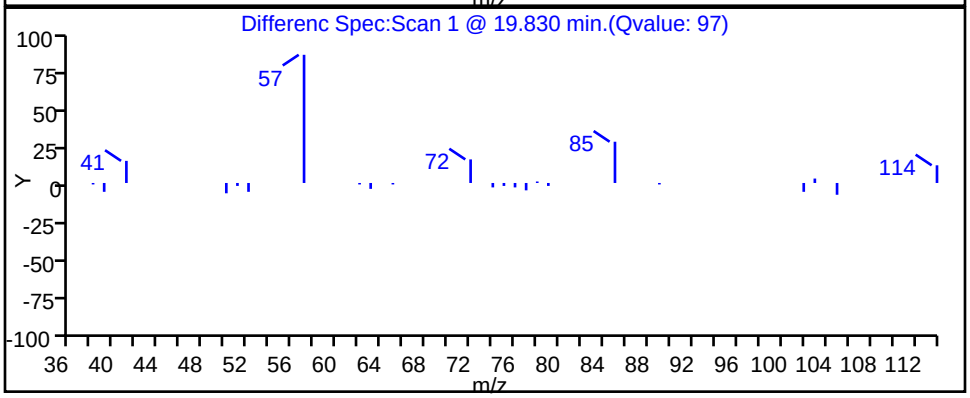
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Column: RTX-624 (0.32 mm) Detector MS SCAN

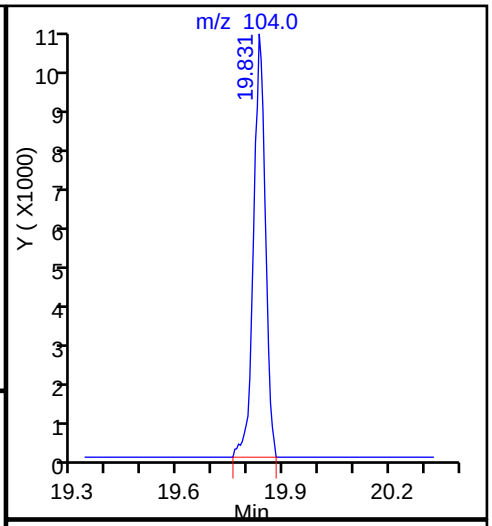
79 Styrene, CAS: 100-42-5

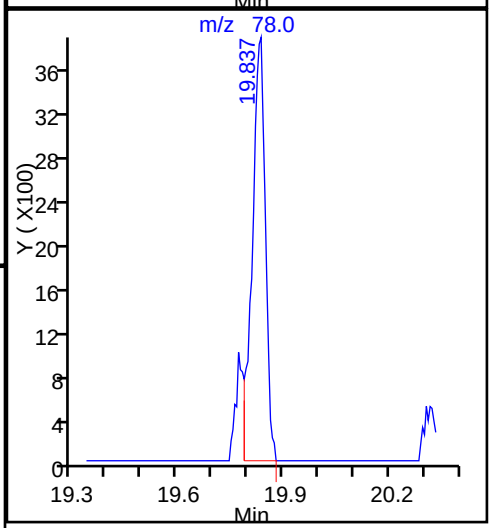










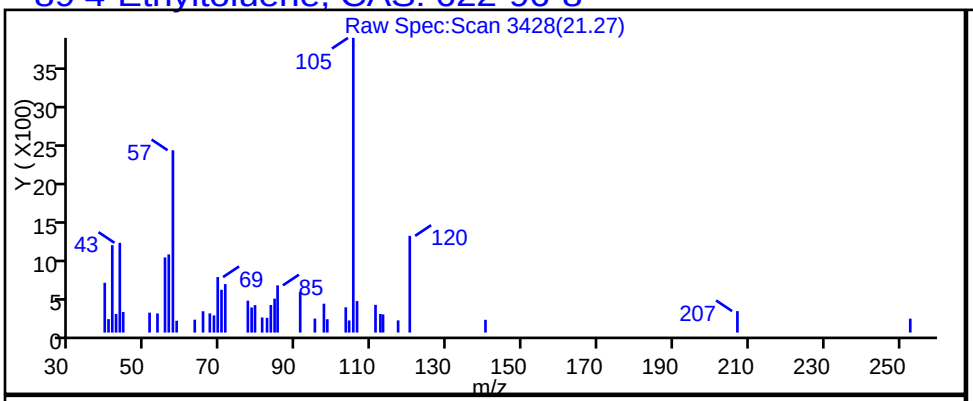


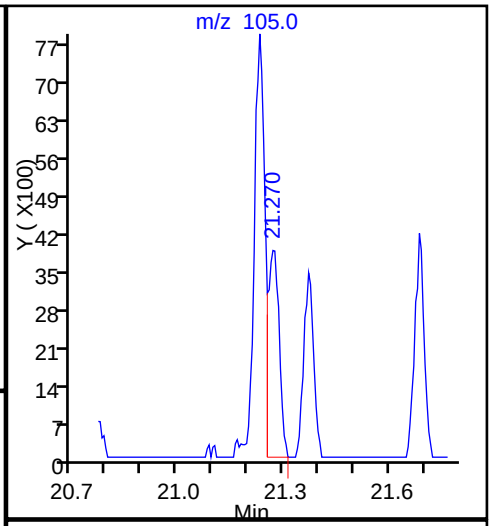
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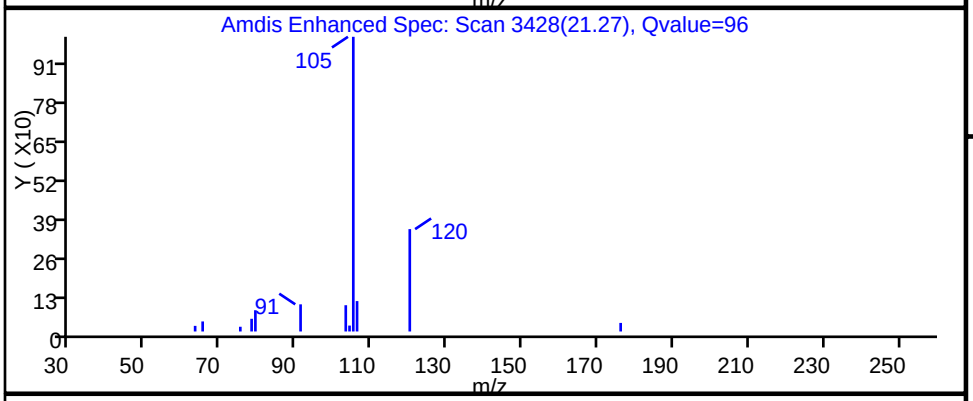
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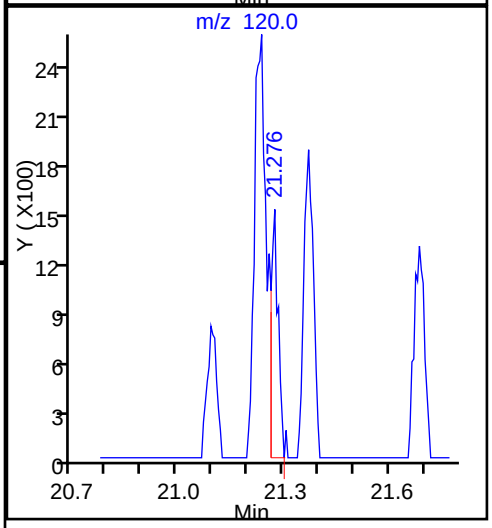
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Client ID:	101VMP0101GC				
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Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

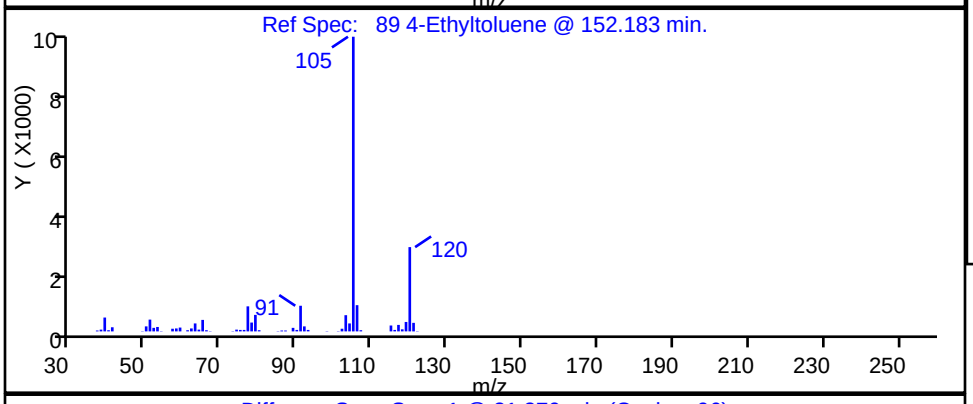
89 4-Ethyltoluene, CAS: 622-96-8

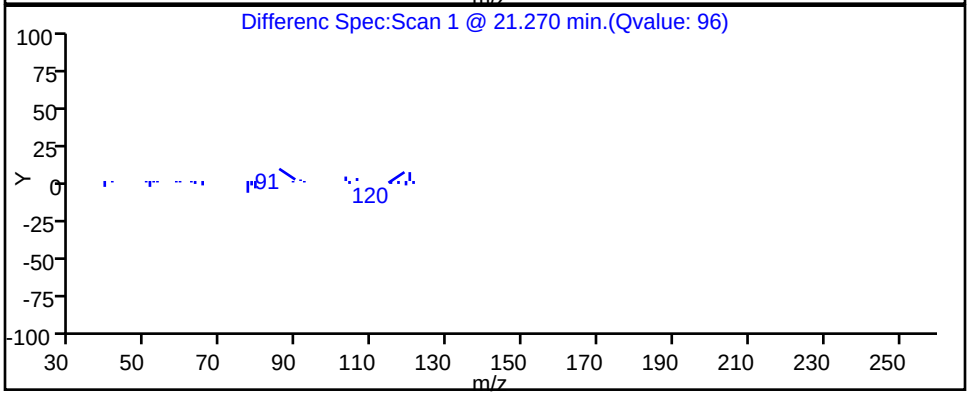






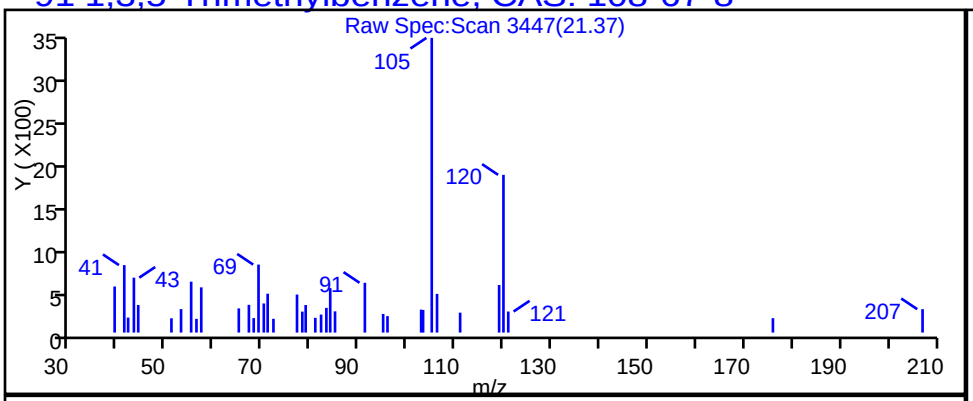


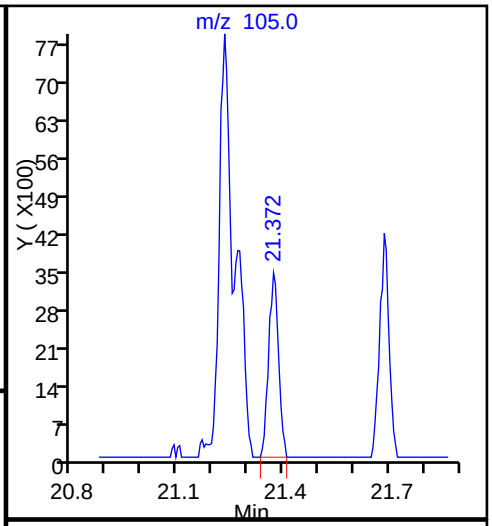


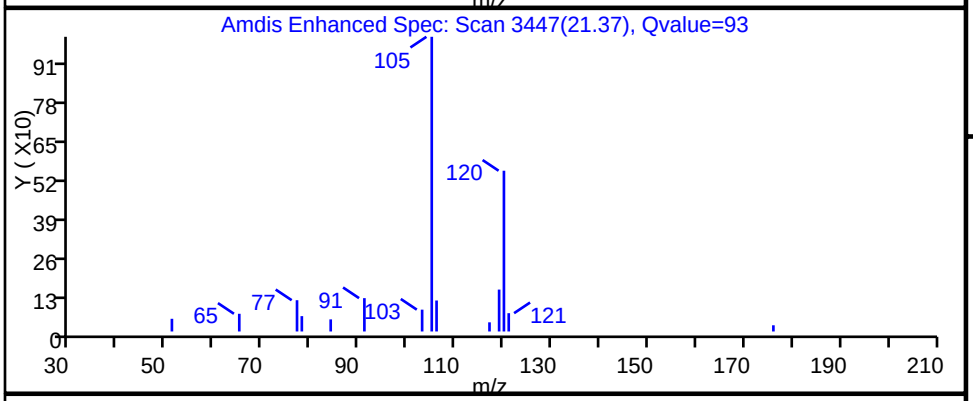


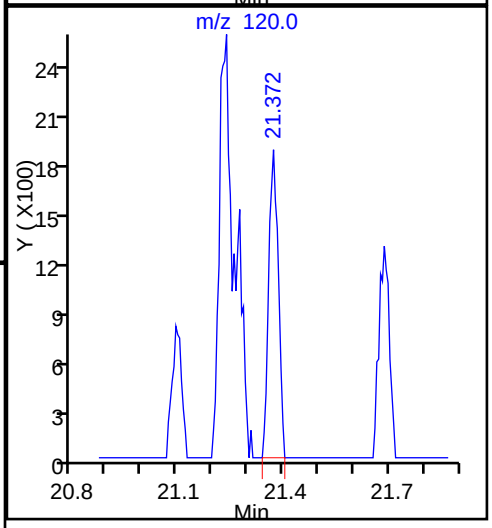
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Injection Date: 29-Apr-2015 20:55:30 Instrument ID: CHX.i
Lims ID: 200-27725-A-4 Lab Sample ID: 200-27725-4
Client ID: 101VMP0101GC
Operator ID: wrd ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

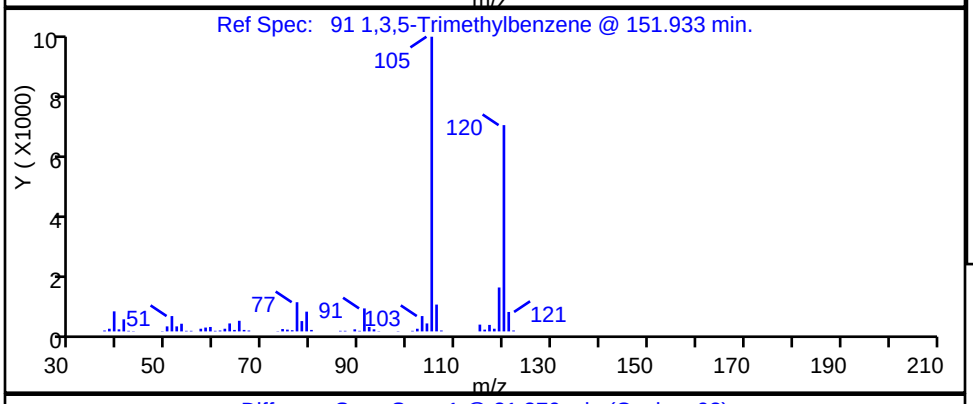
91 1,3,5-Trimethylbenzene, CAS: 108-67-8

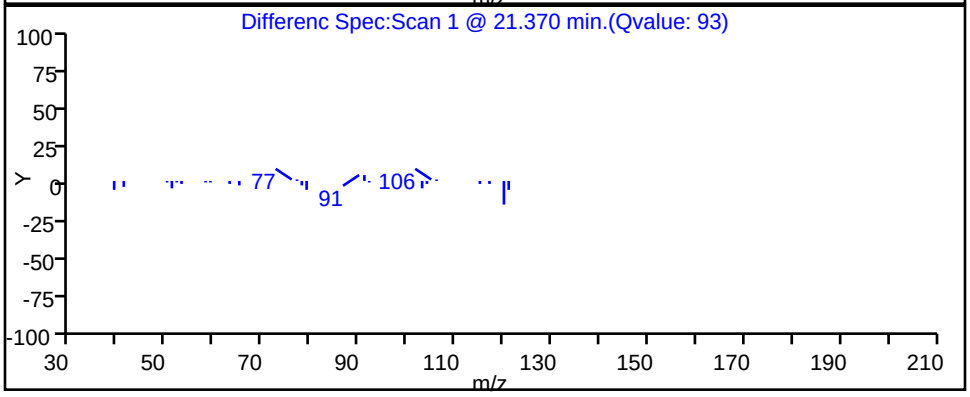






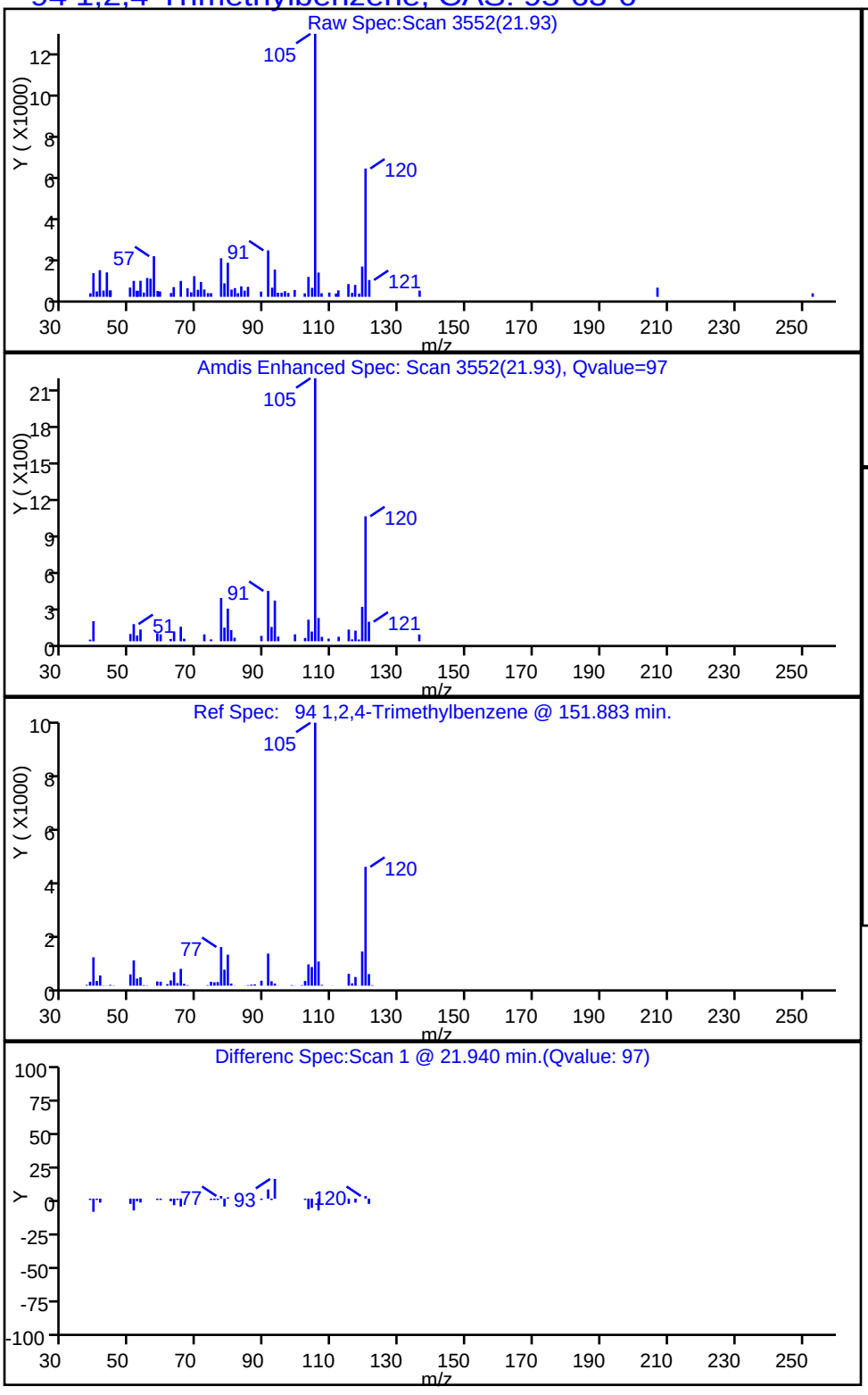


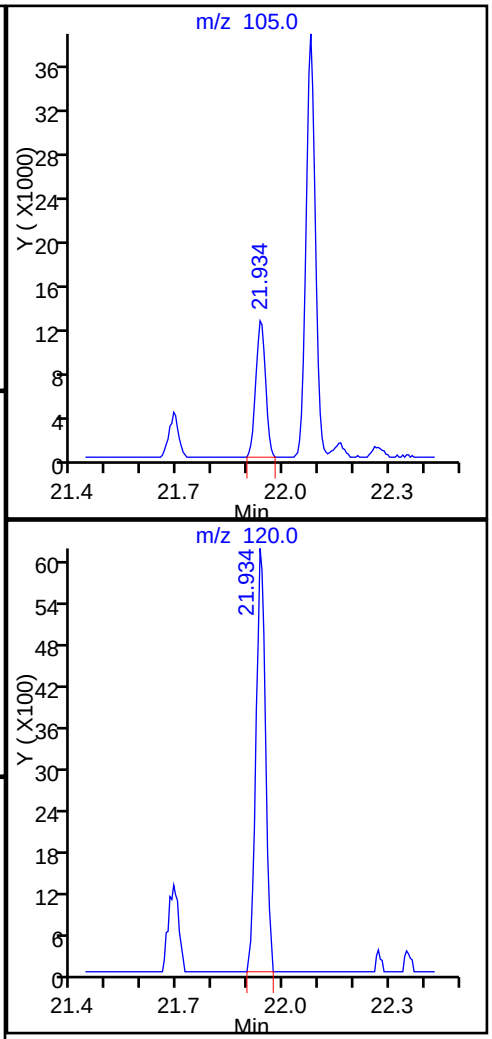




Data File: \\BTV-LIMS1\ChromData\CHX.i\20150429-13349.b\13349-013.D
Injection Date: 29-Apr-2015 20:55:30 Instrument ID: CHX.i
Lims ID: 200-27725-A-4 Lab Sample ID: 200-27725-4
Client ID: 101VMP0101GC
Operator ID: wrd ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

94 1,2,4-Trimethylbenzene, CAS: 95-63-6





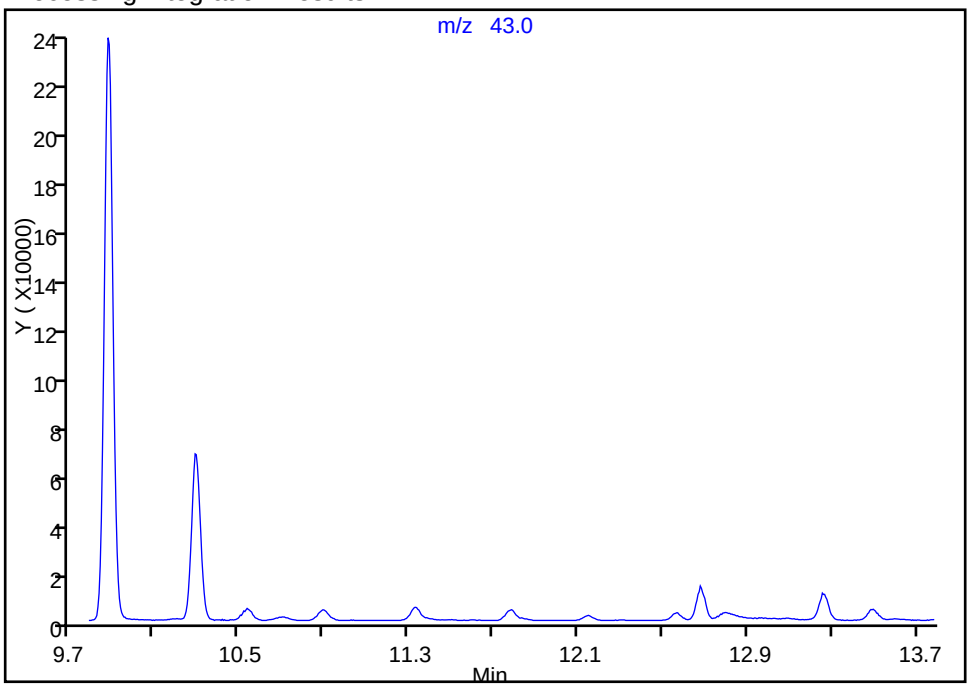
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHX.i\20150429-13349.b\13349-013.D				
Injection Date:	29-Apr-2015 20:55:30	Instrument ID:	CHX.i		
Lims ID:	200-27725-A-4	Lab Sample ID:	200-27725-4		
Client ID:	101VMP0101GC				
Operator ID:	wrd	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

48 n-Heptane, CAS: 142-82-5

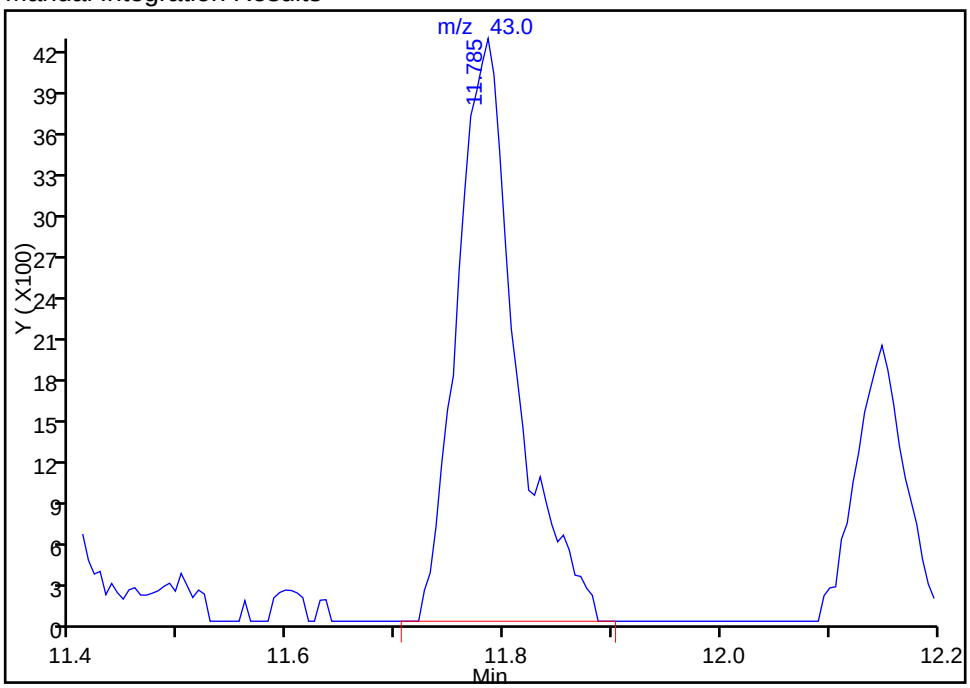
Processing Integration Results

Not Detected
Expected RT: 11.79



Manual Integration Results

RT: 11.79
Area: 16081
Amount: 0.350420
Amount Units: ppb v/v



Reviewer: lyonsb, 30-Apr-2015 08:44:18
Audit Action: Manually Integrated
Audit Reason: Peak not found by the data system

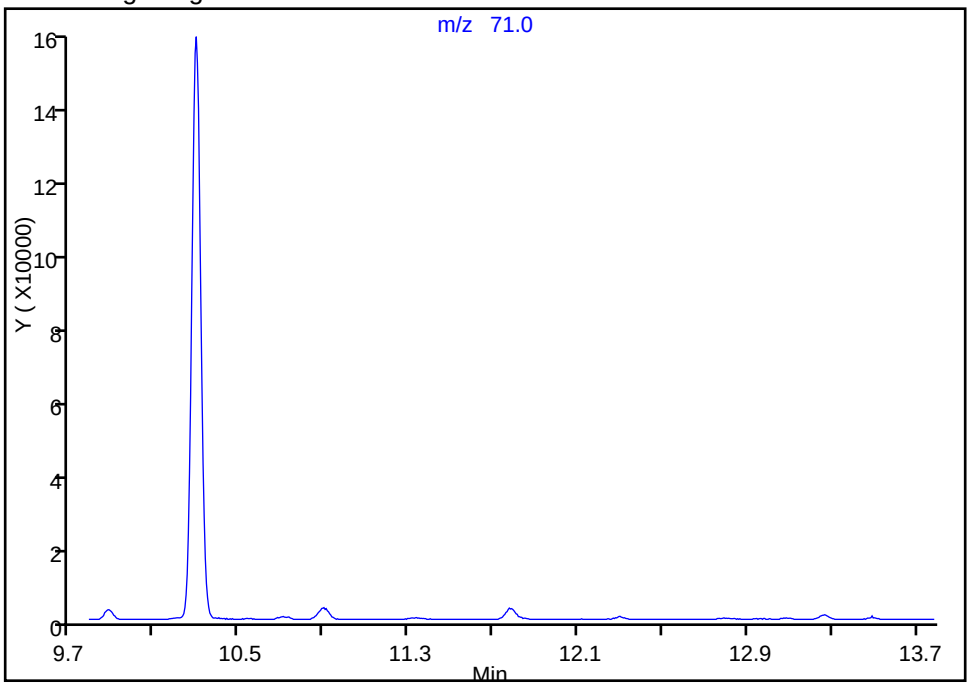
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHX.i\20150429-13349.b\13349-013.D				
Injection Date:	29-Apr-2015 20:55:30	Instrument ID:	CHX.i		
Lims ID:	200-27725-A-4	Lab Sample ID:	200-27725-4		
Client ID:	101VMP0101GC				
Operator ID:	wrd	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

48 n-Heptane, CAS: 142-82-5

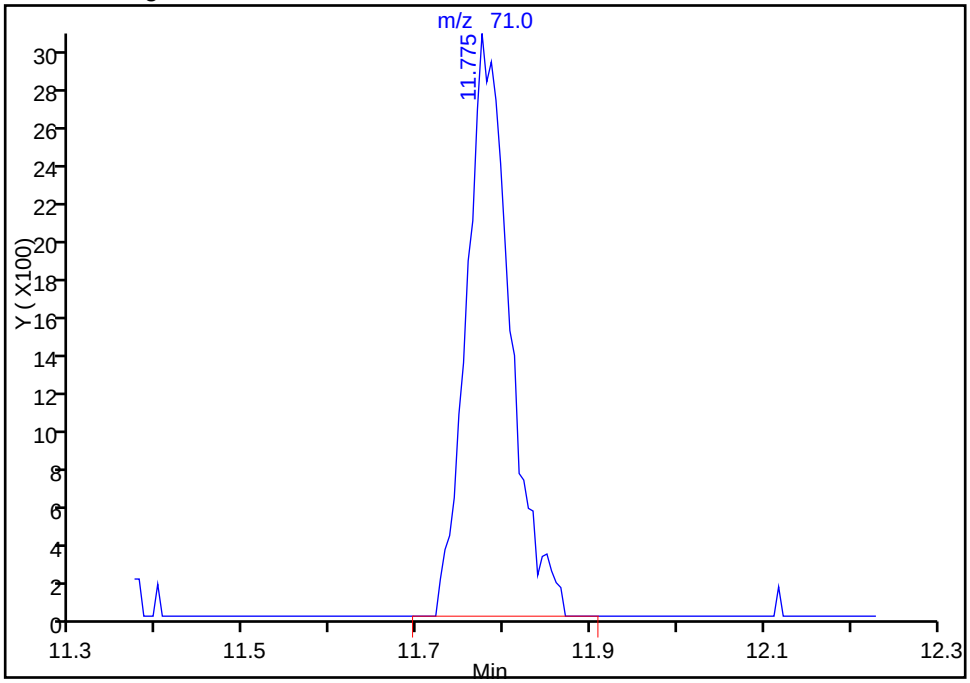
Processing Integration Results

Not Detected
Expected RT: 11.79



Manual Integration Results

RT: 11.77
Area: 10730
Amount: 0.350420
Amount Units: ppb v/v



Reviewer: lyonsb, 30-Apr-2015 08:44:18
Audit Action: Manually Integrated
Audit Reason: Peak not found by the data system

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

Lab Name: TestAmerica Burlington Job No.: 200-27725-1

SDG No.:

Client Sample ID: 101IA0305GA Lab Sample ID: 200-27725-5

Matrix: Air Lab File ID: 13349-021.D

Analysis Method: TO-15 Date Collected: 04/23/2015 11:15

Sample wt/vol: 25(mL) Date Analyzed: 04/30/2015 08:01

Soil Aliquot Vol: Dilution Factor: 8

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 87597 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	1.6	U	4.0	0.45
75-45-6	Freon 22	86.47	1.6	U	4.0	0.64
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.64	U	1.6	0.42
74-87-3	Chloromethane	50.49	1.6	U	4.0	0.48
106-97-8	n-Butane	58.12	12	D	4.0	1.4
75-01-4	Vinyl chloride	62.50	0.24	U	1.6	0.21
106-99-0	1,3-Butadiene	54.09	0.64	U	1.6	0.29
74-83-9	Bromomethane	94.94	0.64	U	1.6	0.35
75-00-3	Chloroethane	64.52	0.64	U	4.0	0.49
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.24	U	1.6	0.16
75-69-4	Trichlorofluoromethane	137.37	0.86	J D	1.6	0.36
76-13-1	Freon TF	187.38	0.64	U	1.6	0.33
75-35-4	1,1-Dichloroethene	96.94	0.24	U	1.6	0.080
67-64-1	Acetone	58.08	210	D	40	5.5
67-63-0	Isopropyl alcohol	60.10	93	D	40	1.2
75-15-0	Carbon disulfide	76.14	0.64	U	4.0	0.24
107-05-1	3-Chloropropene	76.53	1.6	U	4.0	1.3
75-09-2	Methylene Chloride	84.93	1.7	J D	4.0	0.96
75-65-0	tert-Butyl alcohol	74.12	1.6	U	40	0.96
1634-04-4	Methyl tert-butyl ether	88.15	0.24	U	1.6	0.18
156-60-5	trans-1,2-Dichloroethene	96.94	0.24	U	1.6	0.22
110-54-3	n-Hexane	86.17	1.5	J D	1.6	0.22
75-34-3	1,1-Dichloroethane	98.96	0.24	U	1.6	0.22
78-93-3	Methyl Ethyl Ketone	72.11	5.0	D	4.0	0.74
156-59-2	cis-1,2-Dichloroethene	96.94	0.64	U	1.6	0.24
540-59-0	1,2-Dichloroethene, Total	96.94	0.64	U	1.6	0.42
67-66-3	Chloroform	119.38	0.64	U	1.6	0.30
109-99-9	Tetrahydrofuran	72.11	1.6	U	40	1.4
71-55-6	1,1,1-Trichloroethane	133.41	0.64	U	1.6	0.24
110-82-7	Cyclohexane	84.16	0.24	U	1.6	0.080
56-23-5	Carbon tetrachloride	153.81	0.24	U	1.6	0.088
540-84-1	2,2,4-Trimethylpentane	114.23	0.24	U	1.6	0.18
71-43-2	Benzene	78.11	0.52	J D	1.6	0.23
107-06-2	1,2-Dichloroethane	98.96	0.64	U	1.6	0.42

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

Lab Name: TestAmerica Burlington Job No.: 200-27725-1

SDG No.:

Client Sample ID: 101IA0305GA Lab Sample ID: 200-27725-5

Matrix: Air Lab File ID: 13349-021.D

Analysis Method: TO-15 Date Collected: 04/23/2015 11:15

Sample wt/vol: 25(mL) Date Analyzed: 04/30/2015 08:01

Soil Aliquot Vol: Dilution Factor: 8

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 87597 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
142-82-5	n-Heptane	100.21	0.97	J D	1.6	0.30
79-01-6	Trichloroethene	131.39	0.24	U	1.6	0.24
80-62-6	Methyl methacrylate	100.12	1.6	U	4.0	0.77
78-87-5	1,2-Dichloropropane	112.99	0.64	U	1.6	0.28
123-91-1	1,4-Dioxane	88.11	1.6	U	40	1.3
75-27-4	Bromodichloromethane	163.83	0.24	U	1.6	0.23
10061-01-5	cis-1,3-Dichloropropene	110.97	0.24	U	1.6	0.23
108-10-1	methyl isobutyl ketone	100.16	2.8	J D	4.0	1.4
108-88-3	Toluene	92.14	8.8	D	1.6	0.20
10061-02-6	trans-1,3-Dichloropropene	110.97	0.24	U	1.6	0.21
79-00-5	1,1,2-Trichloroethane	133.41	0.64	U	1.6	0.30
127-18-4	Tetrachloroethene	165.83	0.24	U	1.6	0.24
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	1.6	U	4.0	1.4
124-48-1	Dibromochloromethane	208.29	0.24	U	1.6	0.16
106-93-4	1,2-Dibromoethane	187.87	0.24	U	1.6	0.14
108-90-7	Chlorobenzene	112.56	0.24	U	1.6	0.14
100-41-4	Ethylbenzene	106.17	0.42	J D	1.6	0.16
179601-23-1	m,p-Xylene	106.17	1.5	J D	4.0	0.20
95-47-6	Xylene, o-	106.17	0.47	J D	1.6	0.14
1330-20-7	Xylene (total)	106.17	2.0		1.6	0.33
100-42-5	Styrene	104.15	0.24	U	1.6	0.13
75-25-2	Bromoform	252.75	0.24	U	1.6	0.20
98-82-8	Cumene	120.19	0.24	U	1.6	0.15
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.64	U	1.6	0.27
103-65-1	n-Propylbenzene	120.19	0.24	U	1.6	0.22
622-96-8	4-Ethyltoluene	120.20	0.24	U	1.6	0.16
108-67-8	1,3,5-Trimethylbenzene	120.20	0.24	U	1.6	0.15
95-49-8	2-Chlorotoluene	126.59	0.64	U	1.6	0.25
98-06-6	tert-Butylbenzene	134.22	0.24	U	1.6	0.16
95-63-6	1,2,4-Trimethylbenzene	120.20	0.44	J D	1.6	0.13
135-98-8	sec-Butylbenzene	134.22	0.24	U	1.6	0.17
99-87-6	4-Isopropyltoluene	134.22	0.24	U	1.6	0.16
541-73-1	1,3-Dichlorobenzene	147.00	0.24	U	1.6	0.16
106-46-7	1,4-Dichlorobenzene	147.00	0.24	U	1.6	0.15

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

Lab Name: TestAmerica Burlington Job No.: 200-27725-1

SDG No.:

Client Sample ID: 101IA0305GA Lab Sample ID: 200-27725-5

Matrix: Air Lab File ID: 13349-021.D

Analysis Method: TO-15 Date Collected: 04/23/2015 11:15

Sample wt/vol: 25(mL) Date Analyzed: 04/30/2015 08:01

Soil Aliquot Vol: Dilution Factor: 8

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 87597 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	0.24	U	1.6	0.14
104-51-8	n-Butylbenzene	134.22	0.24	U	1.6	0.22
95-50-1	1,2-Dichlorobenzene	147.00	0.24	U	1.6	0.14
120-82-1	1,2,4-Trichlorobenzene	181.45	0.64	U	4.0	0.27
87-68-3	Hexachlorobutadiene	260.76	0.64	U	1.6	0.29
91-20-3	Naphthalene	128.17	0.64	U	4.0	0.24

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

Lab Name: TestAmerica Burlington Job No.: 200-27725-1

SDG No.:

Client Sample ID: 101IA0305GA Lab Sample ID: 200-27725-5

Matrix: Air Lab File ID: 13349-021.D

Analysis Method: TO-15 Date Collected: 04/23/2015 11:15

Sample wt/vol: 25(mL) Date Analyzed: 04/30/2015 08:01

Soil Aliquot Vol: Dilution Factor: 8

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 87597 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	7.9	U	20	2.2
75-45-6	Freon 22	86.47	5.7	U	14	2.3
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	4.5	U	11	2.9
74-87-3	Chloromethane	50.49	3.3	U	8.3	0.99
106-97-8	n-Butane	58.12	29	D	9.5	3.4
75-01-4	Vinyl chloride	62.50	0.61	U	4.1	0.53
106-99-0	1,3-Butadiene	54.09	1.4	U	3.5	0.64
74-83-9	Bromomethane	94.94	2.5	U	6.2	1.4
75-00-3	Chloroethane	64.52	1.7	U	11	1.3
593-60-2	Bromoethene(Vinyl Bromide)	106.96	1.0	U	7.0	0.70
75-69-4	Trichlorofluoromethane	137.37	4.8	J D	9.0	2.0
76-13-1	Freon TF	187.38	4.9	U	12	2.5
75-35-4	1,1-Dichloroethene	96.94	0.95	U	6.3	0.32
67-64-1	Acetone	58.08	510	D	95	13
67-63-0	Isopropyl alcohol	60.10	230	D	98	2.9
75-15-0	Carbon disulfide	76.14	2.0	U	12	0.75
107-05-1	3-Chloropropene	76.53	5.0	U	13	4.0
75-09-2	Methylene Chloride	84.93	5.8	J D	14	3.3
75-65-0	tert-Butyl alcohol	74.12	4.9	U	120	2.9
1634-04-4	Methyl tert-butyl ether	88.15	0.87	U	5.8	0.63
156-60-5	trans-1,2-Dichloroethene	96.94	0.95	U	6.3	0.86
110-54-3	n-Hexane	86.17	5.1	J D	5.6	0.79
75-34-3	1,1-Dichloroethane	98.96	0.97	U	6.5	0.91
78-93-3	Methyl Ethyl Ketone	72.11	15	D	12	2.2
156-59-2	cis-1,2-Dichloroethene	96.94	2.5	U	6.3	0.95
540-59-0	1,2-Dichloroethene, Total	96.94	2.5	U	6.3	1.7
67-66-3	Chloroform	119.38	3.1	U	7.8	1.5
109-99-9	Tetrahydrofuran	72.11	4.7	U	120	4.2
71-55-6	1,1,1-Trichloroethane	133.41	3.5	U	8.7	1.3
110-82-7	Cyclohexane	84.16	0.83	U	5.5	0.28
56-23-5	Carbon tetrachloride	153.81	1.5	U	10	0.55
540-84-1	2,2,4-Trimethylpentane	114.23	1.1	U	7.5	0.86
71-43-2	Benzene	78.11	1.7	J D	5.1	0.74
107-06-2	1,2-Dichloroethane	98.96	2.6	U	6.5	1.7

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

Lab Name: TestAmerica Burlington Job No.: 200-27725-1

SDG No.:

Client Sample ID: 101IA0305GA Lab Sample ID: 200-27725-5

Matrix: Air Lab File ID: 13349-021.D

Analysis Method: TO-15 Date Collected: 04/23/2015 11:15

Sample wt/vol: 25(mL) Date Analyzed: 04/30/2015 08:01

Soil Aliquot Vol: Dilution Factor: 8

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 87597 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
142-82-5	n-Heptane	100.21	4.0	J D	6.6	1.2
79-01-6	Trichloroethene	131.39	1.3	U	8.6	1.3
80-62-6	Methyl methacrylate	100.12	6.6	U	16	3.1
78-87-5	1,2-Dichloropropane	112.99	3.0	U	7.4	1.3
123-91-1	1,4-Dioxane	88.11	5.8	U	140	4.6
75-27-4	Bromodichloromethane	163.83	1.6	U	11	1.6
10061-01-5	cis-1,3-Dichloropropene	110.97	1.1	U	7.3	1.1
108-10-1	methyl isobutyl ketone	100.16	11	J D	16	5.9
108-88-3	Toluene	92.14	33	D	6.0	0.75
10061-02-6	trans-1,3-Dichloropropene	110.97	1.1	U	7.3	0.94
79-00-5	1,1,2-Trichloroethane	133.41	3.5	U	8.7	1.6
127-18-4	Tetrachloroethene	165.83	1.6	U	11	1.6
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	6.6	U	16	5.6
124-48-1	Dibromochloromethane	208.29	2.0	U	14	1.4
106-93-4	1,2-Dibromoethane	187.87	1.8	U	12	1.1
108-90-7	Chlorobenzene	112.56	1.1	U	7.4	0.66
100-41-4	Ethylbenzene	106.17	1.8	J D	6.9	0.69
179601-23-1	m,p-Xylene	106.17	6.5	J D	17	0.87
95-47-6	Xylene, o-	106.17	2.0	J D	6.9	0.63
1330-20-7	Xylene (total)	106.17	8.6		6.9	1.4
100-42-5	Styrene	104.15	1.0	U	6.8	0.55
75-25-2	Bromoform	252.75	2.5	U	17	2.1
98-82-8	Cumene	120.19	1.2	U	7.9	0.75
79-34-5	1,1,2,2-Tetrachloroethane	167.85	4.4	U	11	1.9
103-65-1	n-Propylbenzene	120.19	1.2	U	7.9	1.1
622-96-8	4-Ethyltoluene	120.20	1.2	U	7.9	0.79
108-67-8	1,3,5-Trimethylbenzene	120.20	1.2	U	7.9	0.75
95-49-8	2-Chlorotoluene	126.59	3.3	U	8.3	1.3
98-06-6	tert-Butylbenzene	134.22	1.3	U	8.8	0.88
95-63-6	1,2,4-Trimethylbenzene	120.20	2.2	J D	7.9	0.63
135-98-8	sec-Butylbenzene	134.22	1.3	U	8.8	0.92
99-87-6	4-Isopropyltoluene	134.22	1.3	U	8.8	0.88
541-73-1	1,3-Dichlorobenzene	147.00	1.4	U	9.6	0.96
106-46-7	1,4-Dichlorobenzene	147.00	1.4	U	9.6	0.91

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

Lab Name: TestAmerica Burlington Job No.: 200-27725-1

SDG No.:

Client Sample ID: 101IA0305GA Lab Sample ID: 200-27725-5

Matrix: Air Lab File ID: 13349-021.D

Analysis Method: TO-15 Date Collected: 04/23/2015 11:15

Sample wt/vol: 25(mL) Date Analyzed: 04/30/2015 08:01

Soil Aliquot Vol: Dilution Factor: 8

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 87597 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	1.2	U	8.3	0.75
104-51-8	n-Butylbenzene	134.22	1.3	U	8.8	1.2
95-50-1	1,2-Dichlorobenzene	147.00	1.4	U	9.6	0.87
120-82-1	1,2,4-Trichlorobenzene	181.45	4.7	U	30	2.0
87-68-3	Hexachlorobutadiene	260.76	6.8	U	17	3.1
91-20-3	Naphthalene	128.17	3.4	U	21	1.3

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHX.i\20150429-13349.b\13349-021.D
Lims ID: 200-27725-A-5 Lab Sample ID: 200-27725-5
Client ID: 101IA0305GA
Sample Type: Client
Inject. Date: 30-Apr-2015 08:01:30 ALS Bottle#: 13 Worklist Smp#: 21
Purge Vol: 200.000 mL Dil. Factor: 8.0000
Sample Info: 200-0013349-021
Misc. Info.: 27710-5
Operator ID: wrd Instrument ID: CHX.i

Method: \\BTV-LIMS1\ChromData\CHX.i\20150429-13349.b\TO15_LLNJ_TO3_CHX.i.m.m
Limit Group: AI_TO15_ICAL
Last Update: 30-Apr-2015 08:55:06 Calib Date: 20-Mar-2015 00:18:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHX.i\20150319-12677.b\12677-011.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK004

First Level Reviewer: lyonsb Date: 30-Apr-2015 08:54:19

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85		3.113				ND	
3 Chlorodifluoromethane	51		3.167				ND	
4 1,2-Dichloro-1,1,2,2-tetra	85		3.375				ND	
5 Chloromethane	50		3.520				ND	
6 Butane	43	3.707	3.712	-0.005	97	42878	1.53	
7 Vinyl chloride	62		3.761				ND	
8 Butadiene	54		3.835				ND	
9 Bromomethane	94		4.510				ND	
10 Chloroethane	64		4.740				ND	
12 Vinyl bromide	106		5.125				ND	
13 Trichlorofluoromethane	101	5.200	5.216	-0.016	53	8006	0.1077	
18 1,1,2-Trichloro-1,2,2-trif	101		6.270				ND	
20 1,1-Dichloroethene	96		6.328				ND	
21 Acetone	43	6.564	6.575	-0.011	89	811079	26.8	
22 Carbon disulfide	76		6.724				ND	
23 Isopropyl alcohol	45	6.842	6.847	-0.005	98	330345	11.6	
24 3-Chloro-1-propene	41		7.115				ND	
26 Methylene Chloride	49	7.404	7.409	-0.005	65	5200	0.2081	
28 2-Methyl-2-propanol	59		7.618				ND	
29 Methyl tert-butyl ether	73		7.794				ND	
30 trans-1,2-Dichloroethene	61		7.837				ND	
32 Hexane	57	8.201	8.206	-0.005	80	6709	0.1815	
33 1,1-Dichloroethane	63		8.720				ND	
35 cis-1,2-Dichloroethene	96		9.838				ND	
36 2-Butanone (MEK)	72	9.886	9.886	0.000	99	10045	0.6208	
S 38 1,2-Dichloroethene, Total	61		10.000				ND	
39 Tetrahydrofuran	42	10.303	10.298	0.005	27	2957	0.1291	
* 40 Chlorobromomethane	128	10.303	10.314	-0.011	78	329810	10.0	
41 Chloroform	83		10.437				ND	
42 Cyclohexane	84		10.678				ND	
43 1,1,1-Trichloroethane	97		10.715				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
44 Carbon tetrachloride	117		10.967				ND	
45 Isooctane	57		11.395				ND	
46 Benzene	78	11.443	11.448	-0.005	41	6111	0.0646	
47 1,2-Dichloroethane	62		11.646				ND	
48 n-Heptane	43	11.774	11.785	-0.011	73	5486	0.1216	
* 50 1,4-Difluorobenzene	114	12.299	12.304	-0.005	93	1615087	10.0	
52 Trichloroethene	95		12.786				ND	
53 1,2-Dichloropropane	63		13.379				ND	
54 Methyl methacrylate	69		13.529				ND	
55 1,4-Dioxane	88		13.593				ND	
57 Dichlorobromomethane	83		13.957				ND	
58 cis-1,3-Dichloropropene	75		14.931				ND	
61 4-Methyl-2-pentanone (MIBK	43	15.220	15.220	0.000	89	21541	0.3504	
62 Toluene	92	15.530	15.535	-0.005	92	79548	1.10	
67 trans-1,3-Dichloropropene	75		16.156				ND	
68 1,1,2-Trichloroethane	83		16.546				ND	
69 Tetrachloroethene	166		16.637				ND	
70 2-Hexanone	43		16.985				ND	
71 Chlorodibromomethane	129		17.327				ND	
72 Ethylene Dibromide	107		17.611				ND	
* 73 Chlorobenzene-d5	117	18.515	18.520	-0.005	82	1436227	10.0	
74 Chlorobenzene	112		18.579				ND	
75 Ethylbenzene	91	18.718	18.724	-0.006	53	8400	0.0523	
77 m-Xylene & p-Xylene	106	18.970	18.975	-0.005	95	12413	0.1869	
78 o-Xylene	106	19.788	19.783	0.005	58	3870	0.0589	
79 Styrene	104		19.836				ND	
S 80 Xylenes, Total	106				0		0.2458	
81 Bromoform	173		20.243				ND	
82 Isopropylbenzene	105		20.414				ND	
* 83 4-Bromofluorobenzene	95	20.773	20.773	0.000	97	927999	10.0	
85 1,1,2,2-Tetrachloroethane	83		21.040				ND	
86 N-Propylbenzene	91		21.094				ND	
89 4-Ethyltoluene	105	21.270	21.276	-0.006	16	3000	0.0154	7
90 2-Chlorotoluene	91		21.297				ND	
91 1,3,5-Trimethylbenzene	105	21.372	21.372	0.000	16	2517	0.0153	7
93 tert-Butylbenzene	119		21.848				ND	
94 1,2,4-Trimethylbenzene	105	21.939	21.939	0.000	64	9113	0.0553	
95 sec-Butylbenzene	105		22.158				ND	
96 4-Isopropyltoluene	119		22.356				ND	
97 1,3-Dichlorobenzene	146		22.404				ND	
98 1,4-Dichlorobenzene	146		22.543				ND	
99 Benzyl chloride	91		22.747				ND	
101 n-Butylbenzene	91		22.950				ND	
102 1,2-Dichlorobenzene	146		23.105				ND	
104 1,2,4-Trichlorobenzene	180		25.759				ND	
105 Hexachlorobutadiene	225		25.940				ND	
106 Naphthalene	128		26.294				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

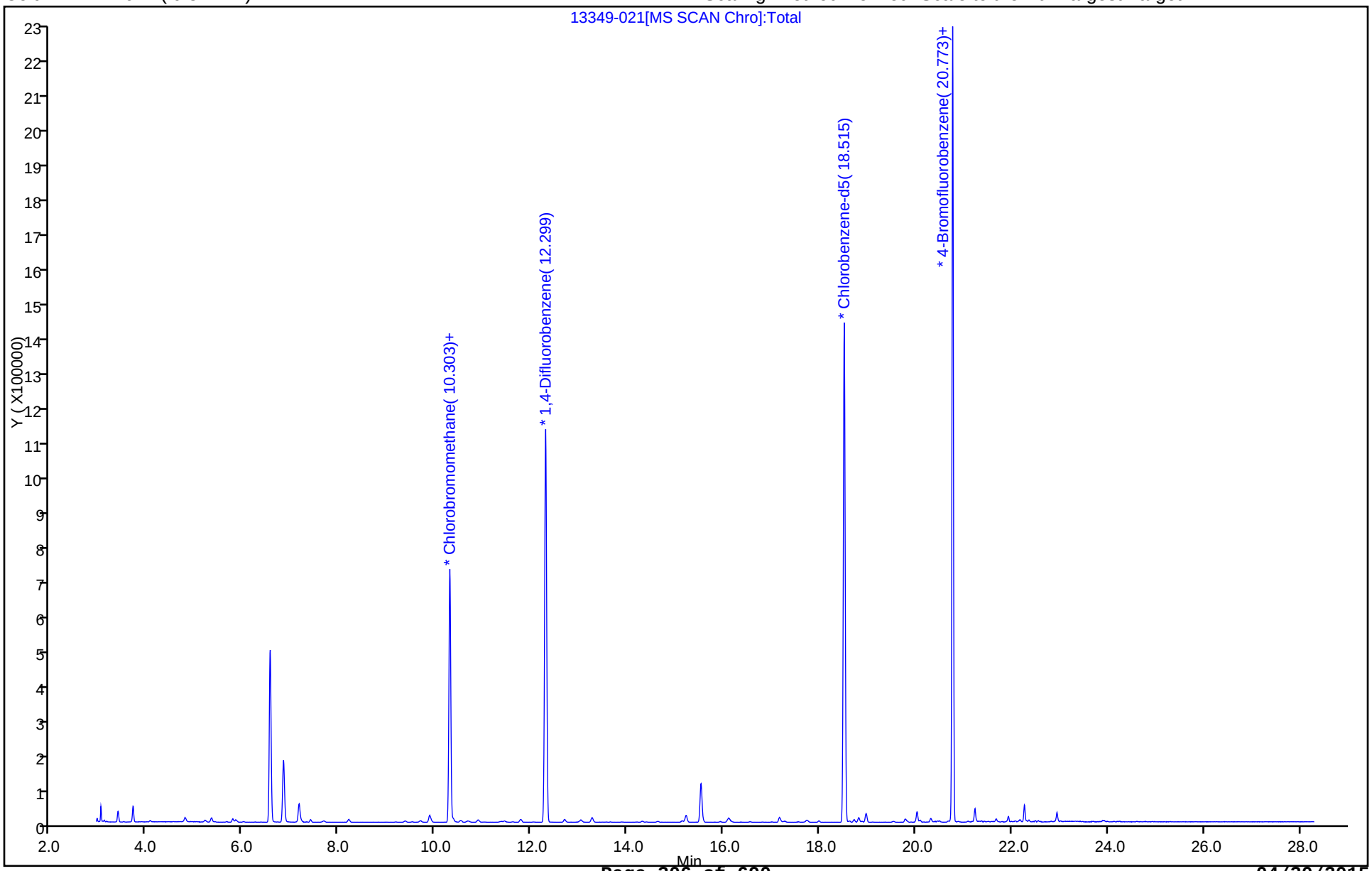
ATTO15GIS_00009	Amount Added:	20.00	Units: mL	Run Reagent

Report Date: 30-Apr-2015 08:55:41 Chrom Revision: 2.2 09-Apr-2015 10:05:40

TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHX.i\20150429-13349.b\13349-021.D				
Injection Date:	30-Apr-2015 08:01:30	Instrument ID:	CHX.i	Operator ID:	wrd
Lims ID:	200-27725-A-5	Lab Sample ID:	200-27725-5	Worklist Smp#:	21
Client ID:	101IA0305GA				
Purge Vol:	200.000 mL	Dil. Factor:	8.0000	ALS Bottle#:	13
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1

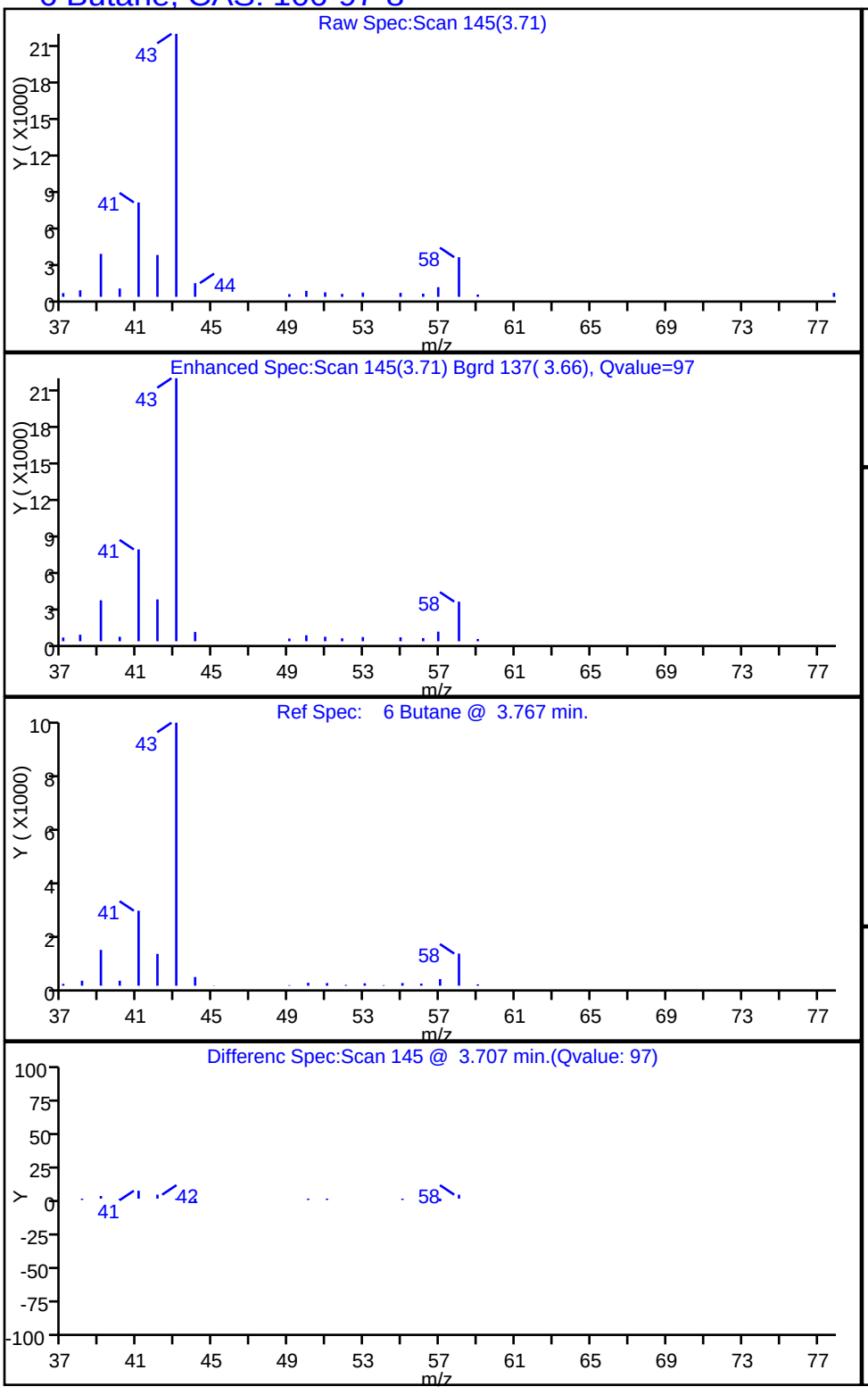


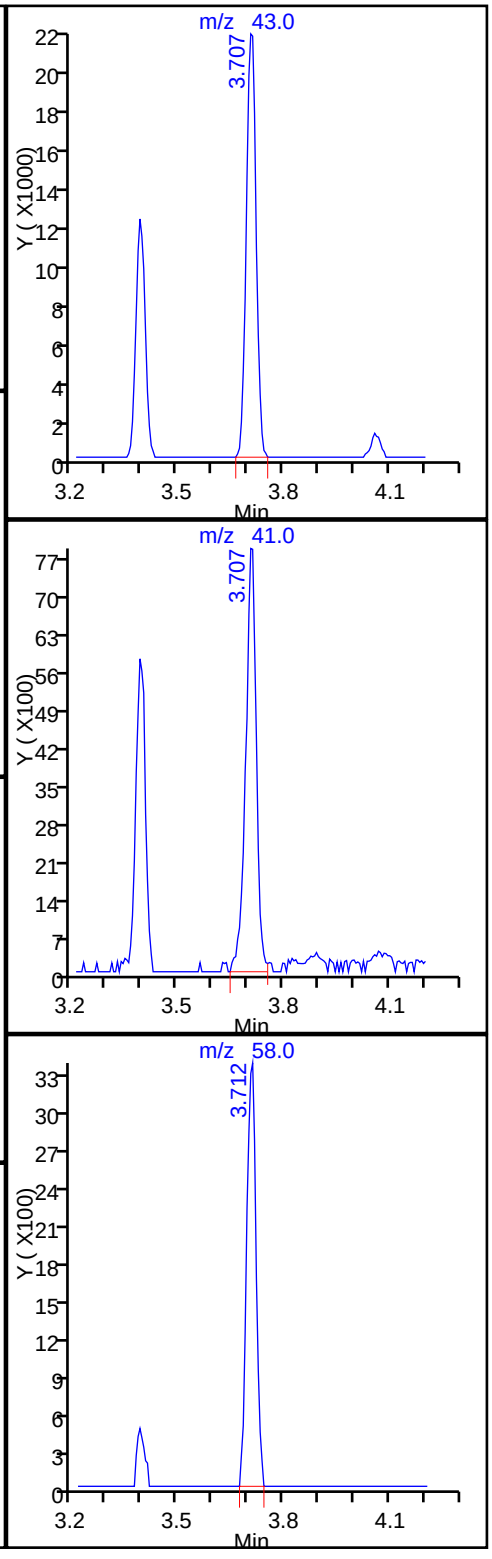
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHX.i\20150429-13349.b\13349-021.D

Injection Date:	30-Apr-2015 08:01:30	Instrument ID:	CHX.i		
Lims ID:	200-27725-A-5	Lab Sample ID:	200-27725-5		
Client ID:	101IA0305GA				
Operator ID:	wrd	ALS Bottle#:	13	Worklist Smp#:	21
Purge Vol:	200.000 mL	Dil. Factor:	8.0000		
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

6 Butane, CAS: 106-97-8

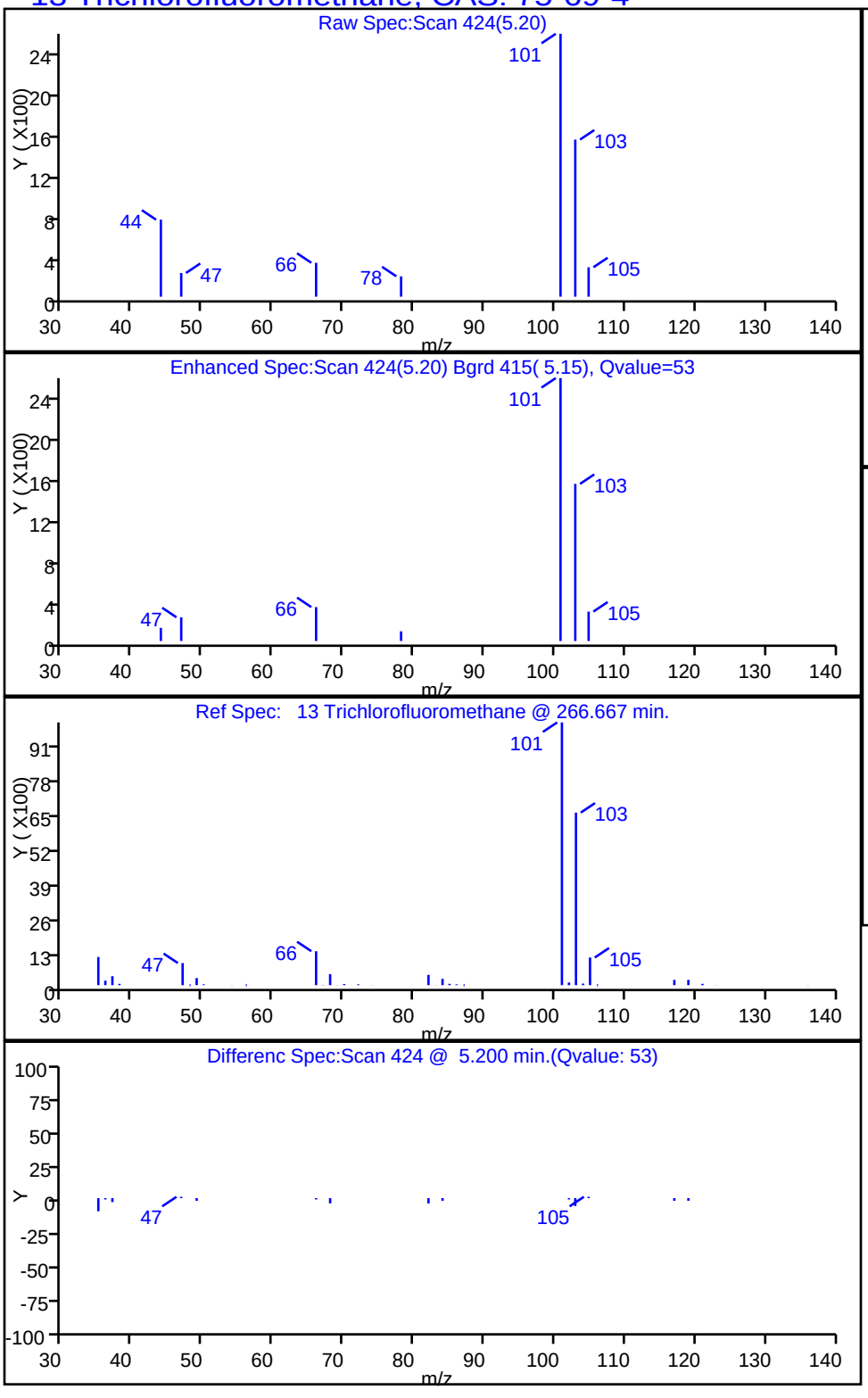


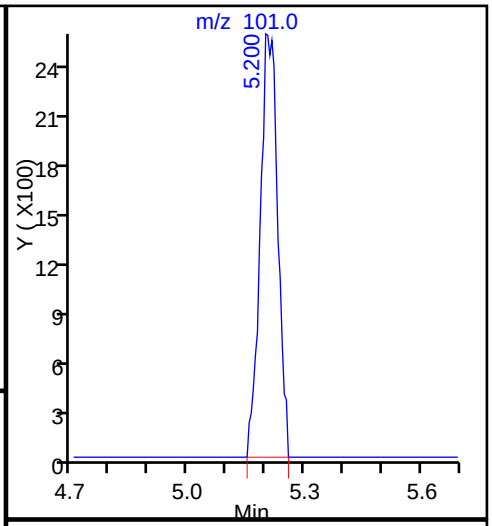


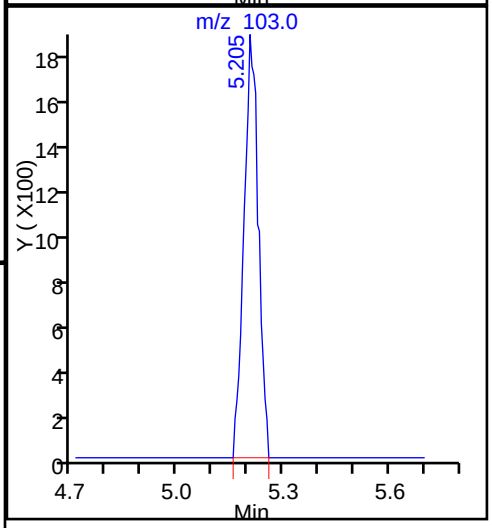
TestAmerica Burlington

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Injection Date: 30-Apr-2015 08:01:30 Instrument ID: CHX.i
Lims ID: 200-27725-A-5 Lab Sample ID: 200-27725-5
Client ID: 101IA0305GA
Operator ID: wrd ALS Bottle#: 13 Worklist Smp#: 21
Purge Vol: 200.000 mL Dil. Factor: 8.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

13 Trichlorofluoromethane, CAS: 75-69-4

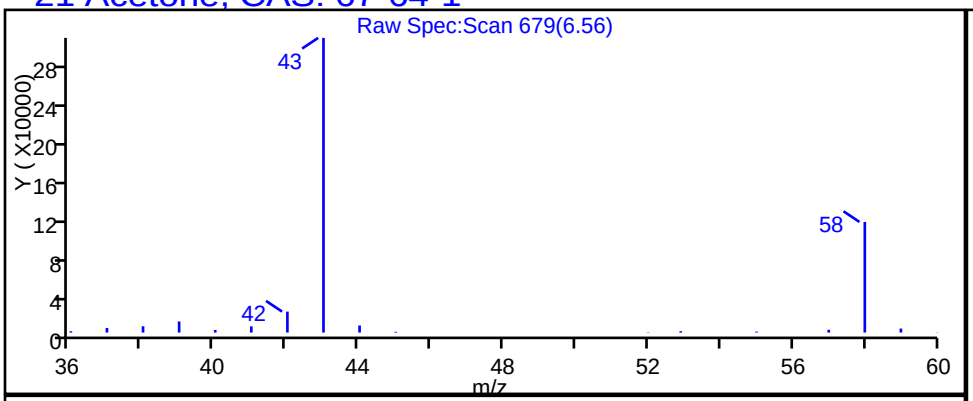


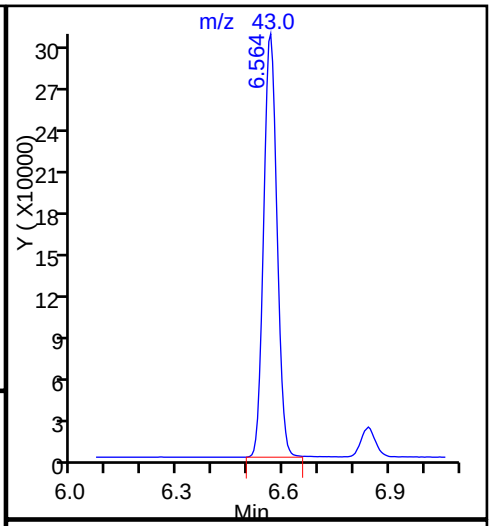


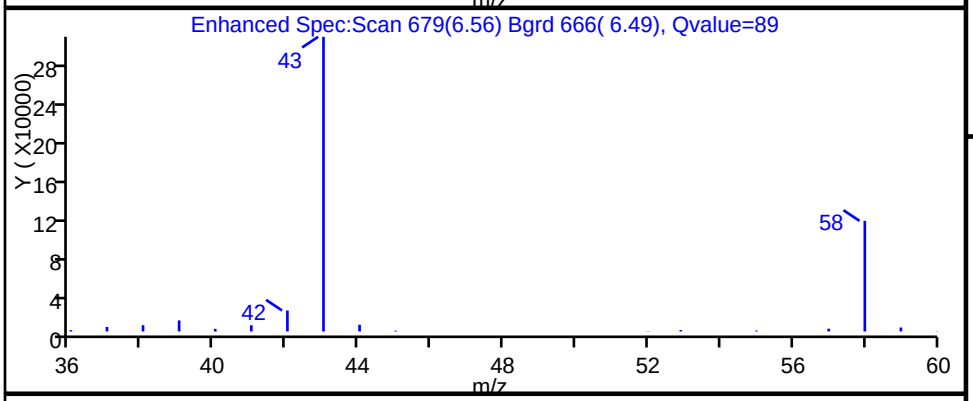


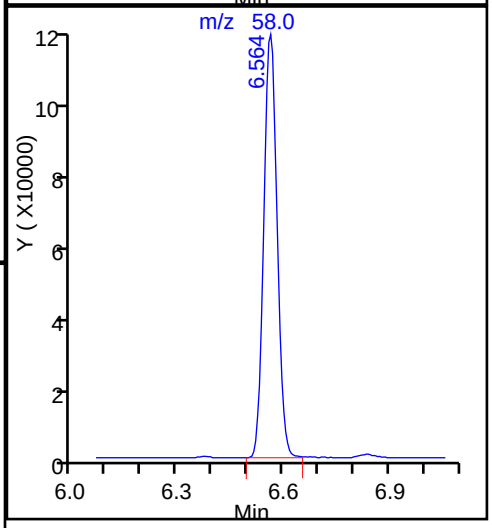
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Injection Date: 30-Apr-2015 08:01:30 Instrument ID: CHX.i
Lims ID: 200-27725-A-5 Lab Sample ID: 200-27725-5
Client ID: 101IA0305GA
Operator ID: wrd ALS Bottle#: 13 Worklist Smp#: 21
Purge Vol: 200.000 mL Dil. Factor: 8.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

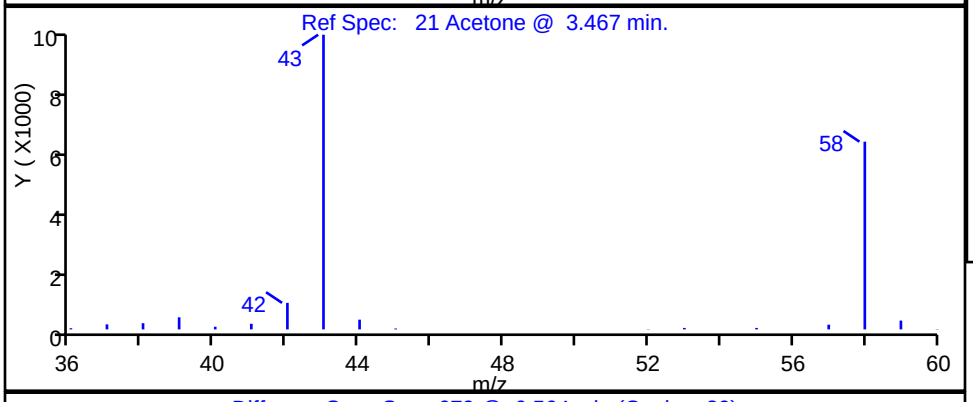
21 Acetone, CAS: 67-64-1

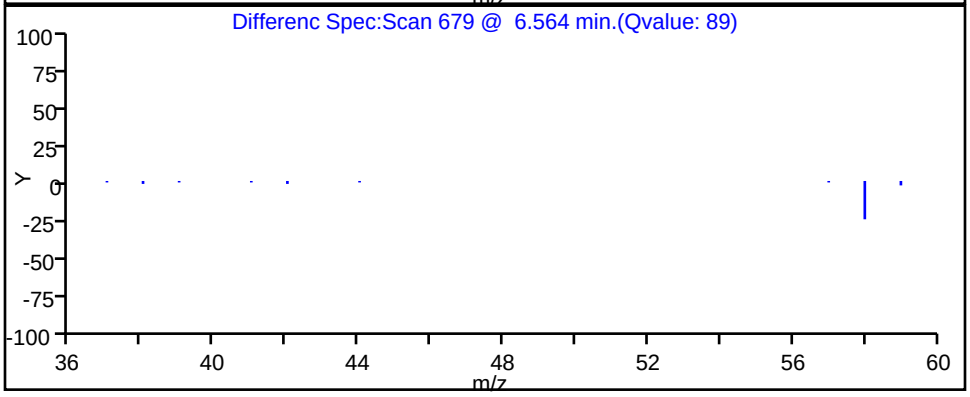








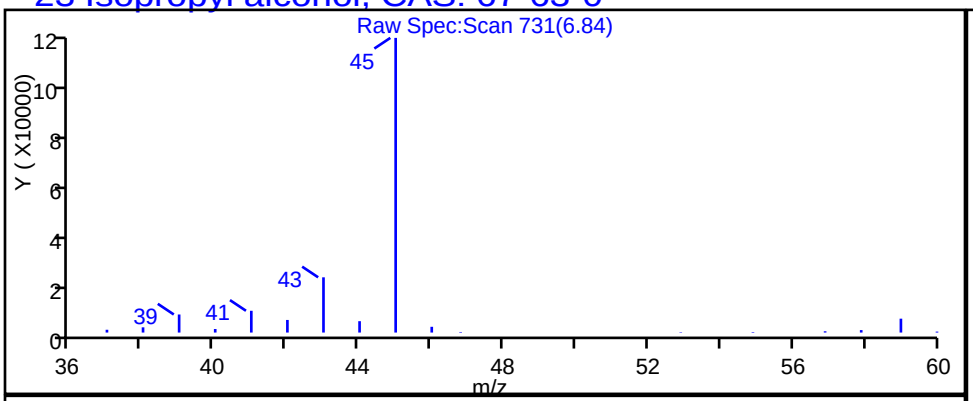


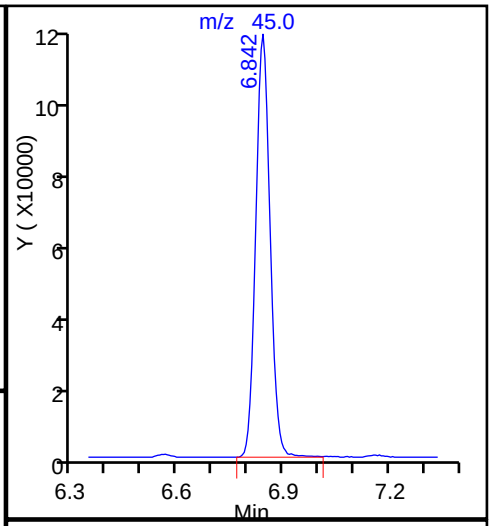


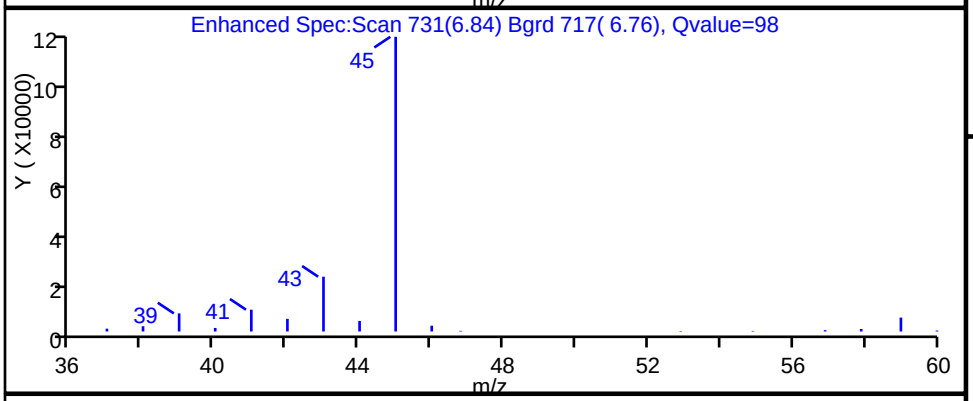
TestAmerica Burlington

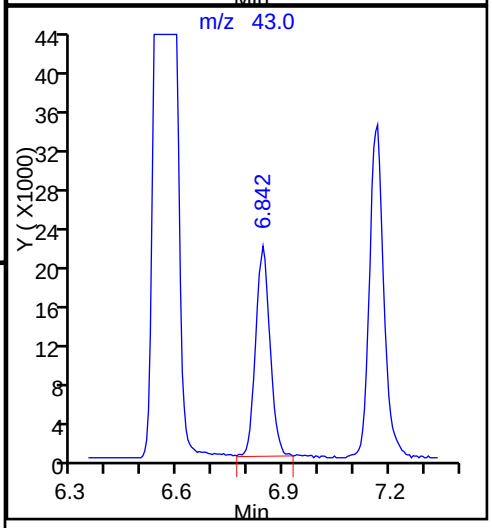
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Injection Date: 30-Apr-2015 08:01:30 Instrument ID: CHX.i
Lims ID: 200-27725-A-5 Lab Sample ID: 200-27725-5
Client ID: 101IA0305GA
Operator ID: wrd ALS Bottle#: 13 Worklist Smp#: 21
Purge Vol: 200.000 mL Dil. Factor: 8.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

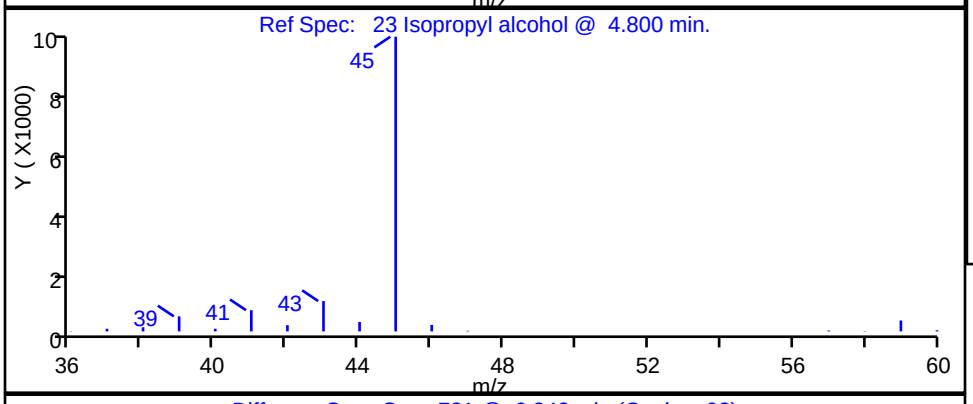
23 Isopropyl alcohol, CAS: 67-63-0

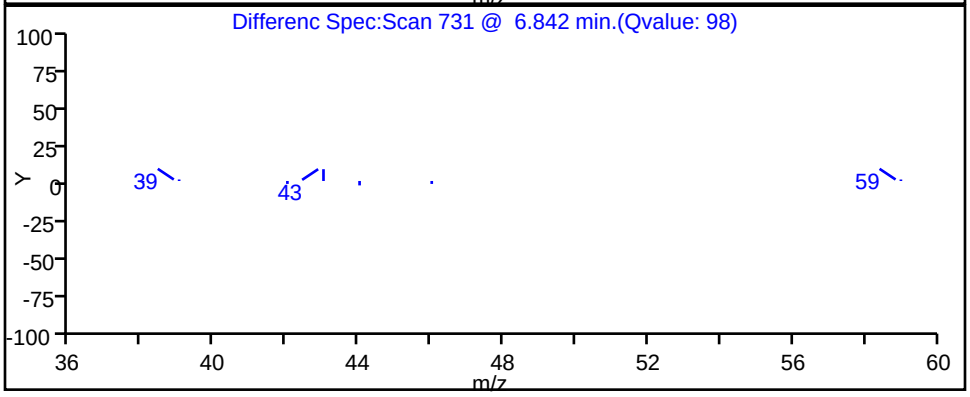








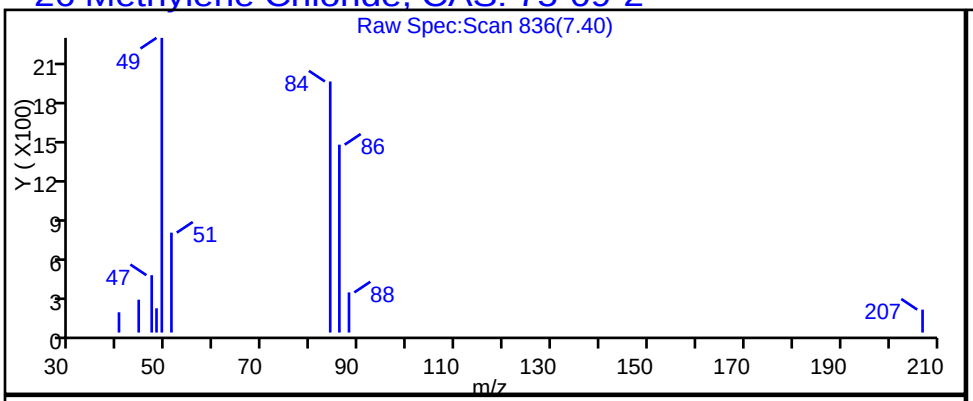


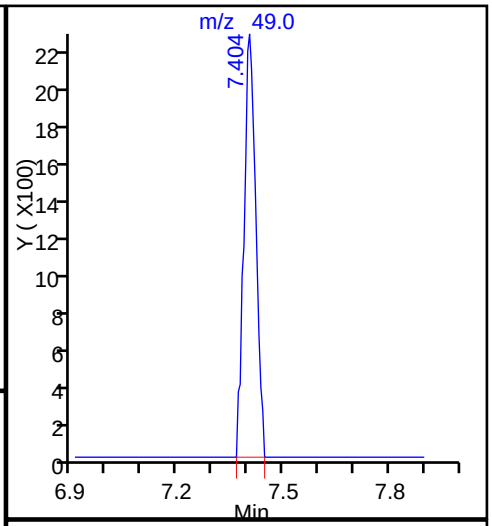


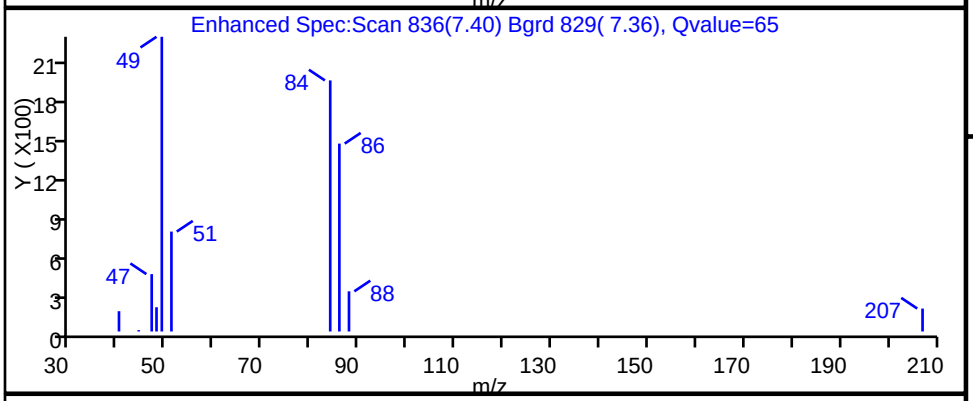
TestAmerica Burlington

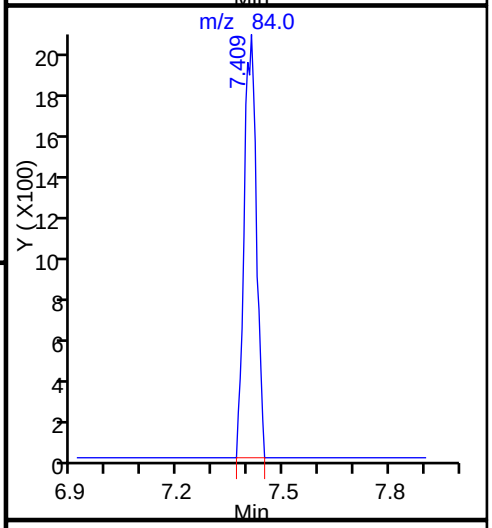
Data File: \\BTV-LIMS1\ChromData\CHX.i\20150429-13349.b\13349-021.D
Injection Date: 30-Apr-2015 08:01:30 Instrument ID: CHX.i
Lims ID: 200-27725-A-5 Lab Sample ID: 200-27725-5
Client ID: 101IA0305GA
Operator ID: wrd ALS Bottle#: 13 Worklist Smp#: 21
Purge Vol: 200.000 mL Dil. Factor: 8.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

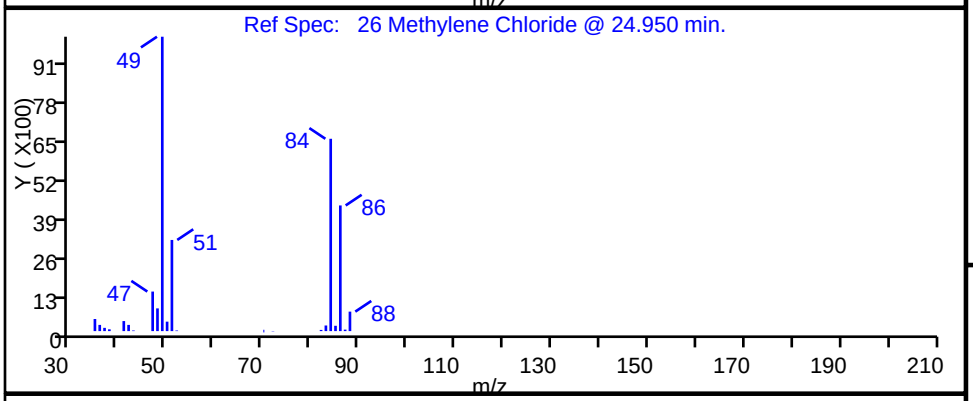
26 Methylene Chloride, CAS: 75-09-2

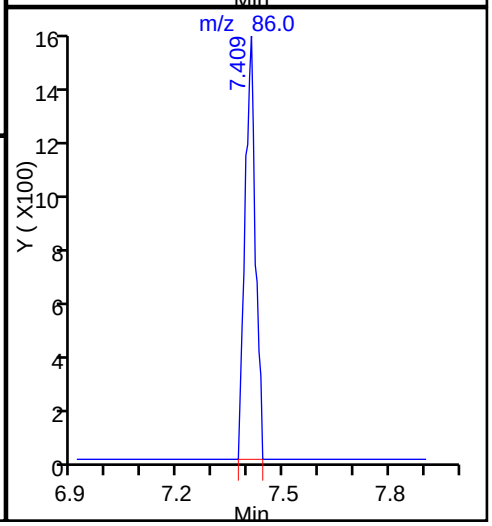


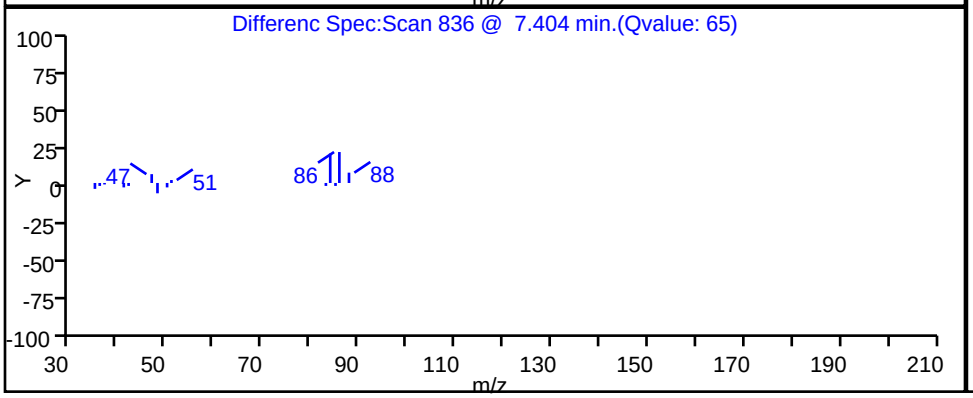








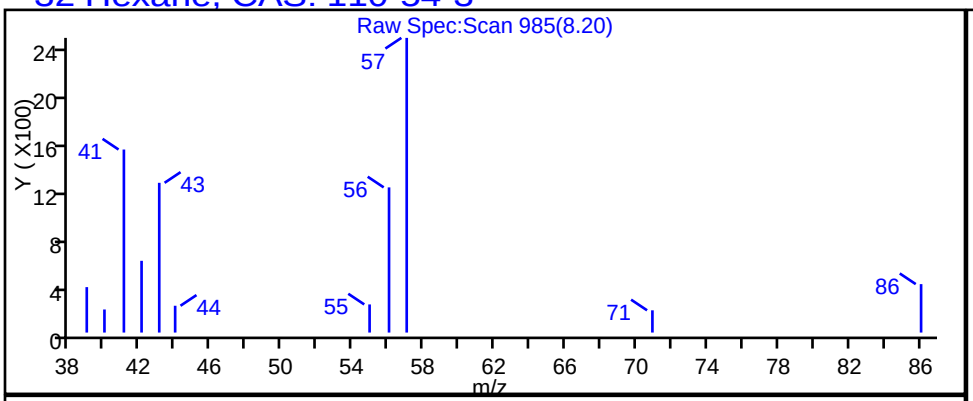


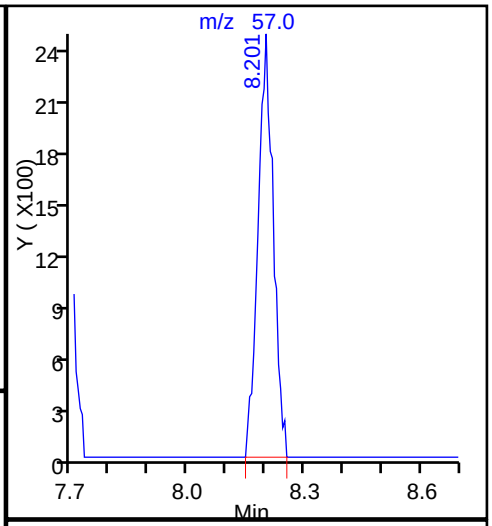


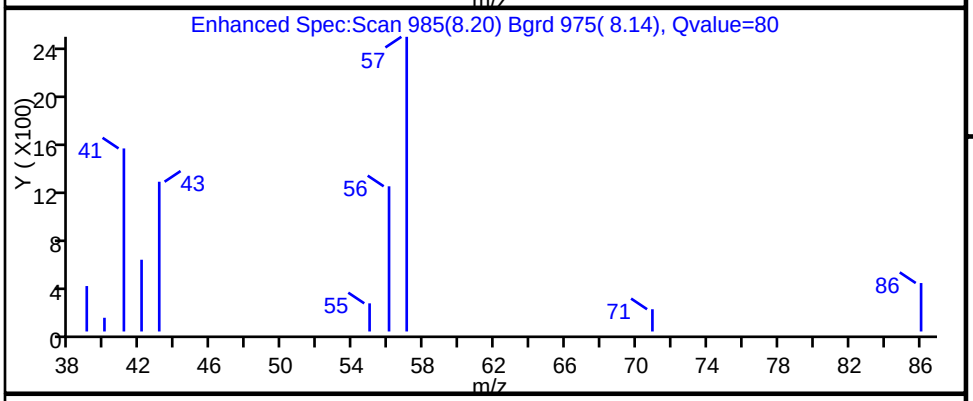
TestAmerica Burlington

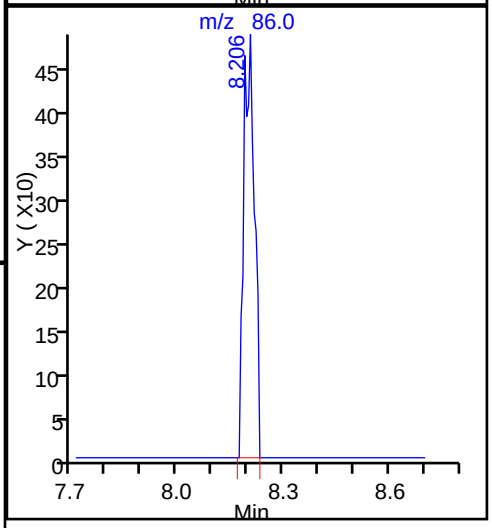
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Injection Date: 30-Apr-2015 08:01:30 Instrument ID: CHX.i
Lims ID: 200-27725-A-5 Lab Sample ID: 200-27725-5
Client ID: 101IA0305GA
Operator ID: wrd ALS Bottle#: 13 Worklist Smp#: 21
Purge Vol: 200.000 mL Dil. Factor: 8.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

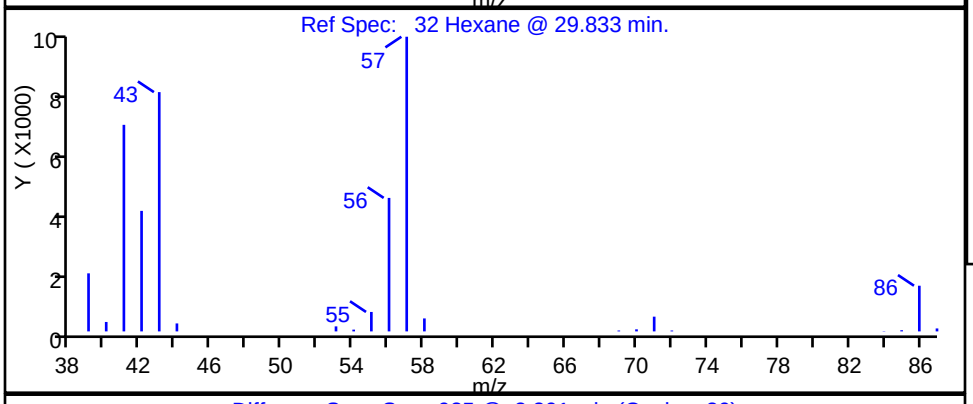
32 Hexane, CAS: 110-54-3

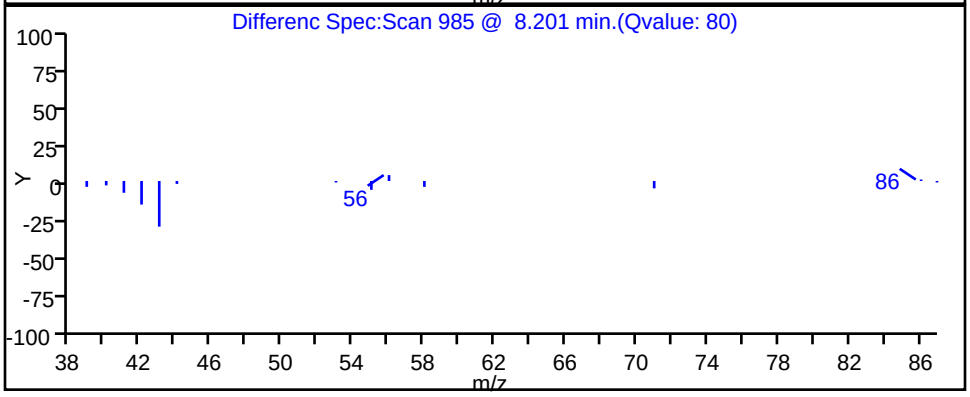








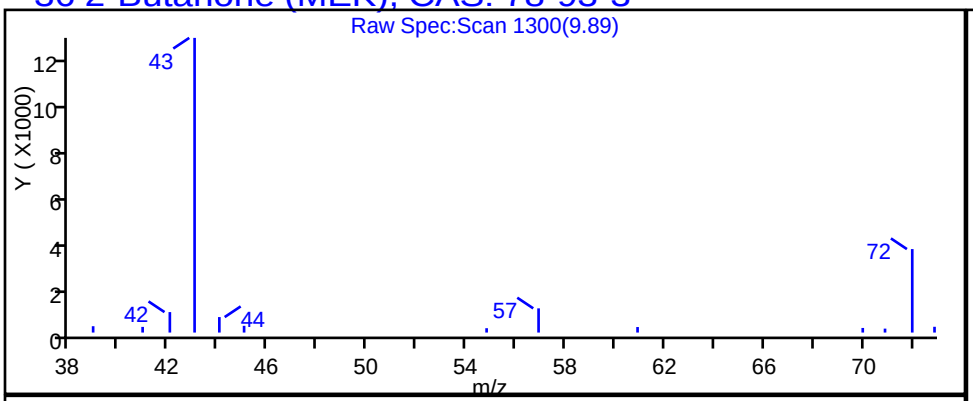


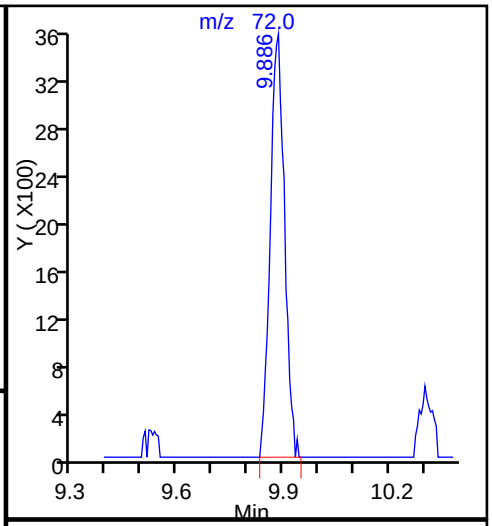


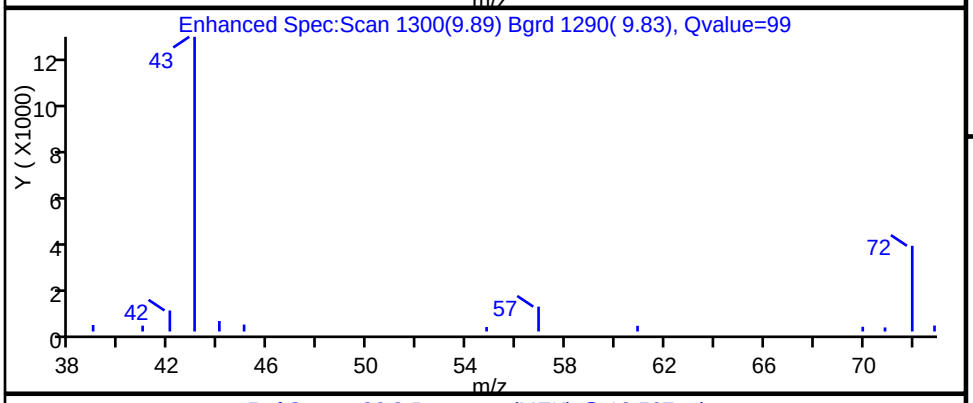
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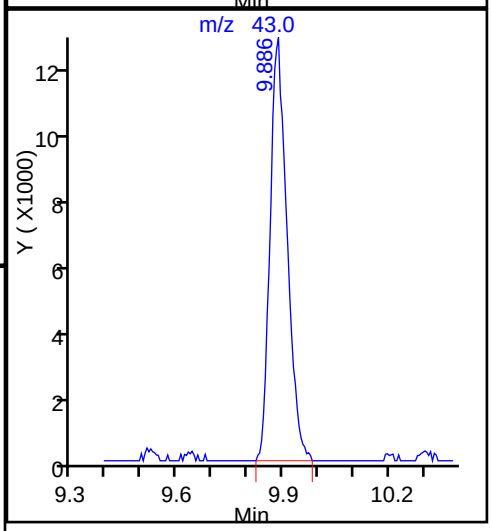
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Injection Date: 30-Apr-2015 08:01:30 Instrument ID: CHX.i
Lims ID: 200-27725-A-5 Lab Sample ID: 200-27725-5
Client ID: 101IA0305GA
Operator ID: wrd ALS Bottle#: 13 Worklist Smp#: 21
Purge Vol: 200.000 mL Dil. Factor: 8.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

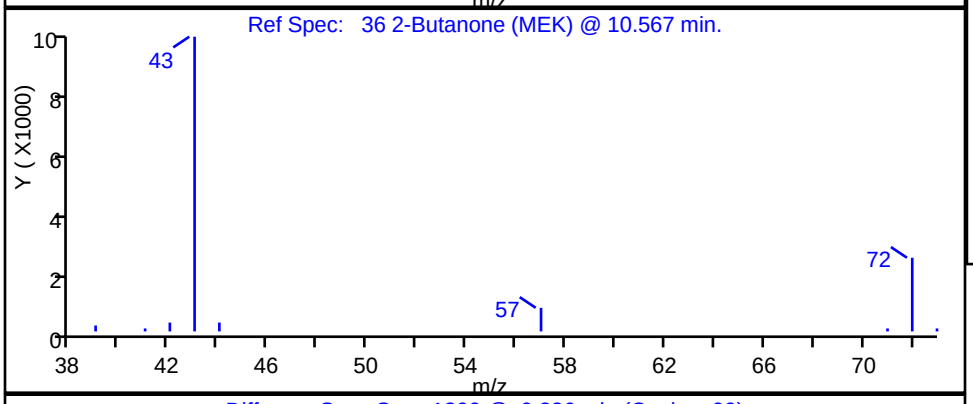
36 2-Butanone (MEK), CAS: 78-93-3

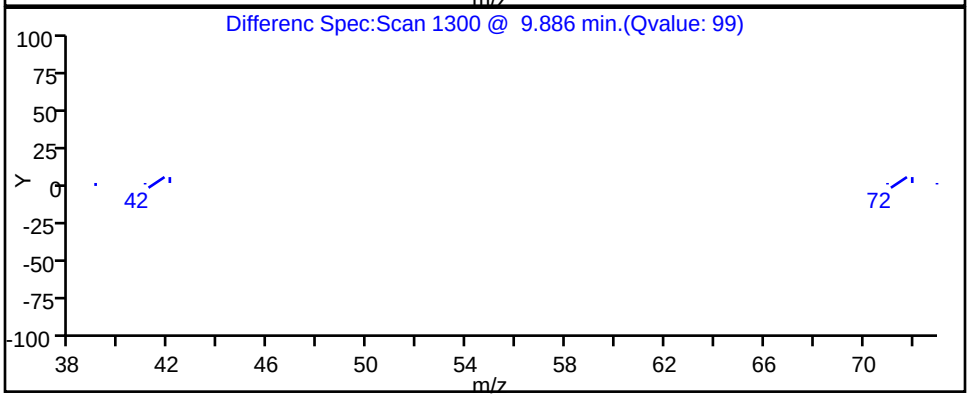








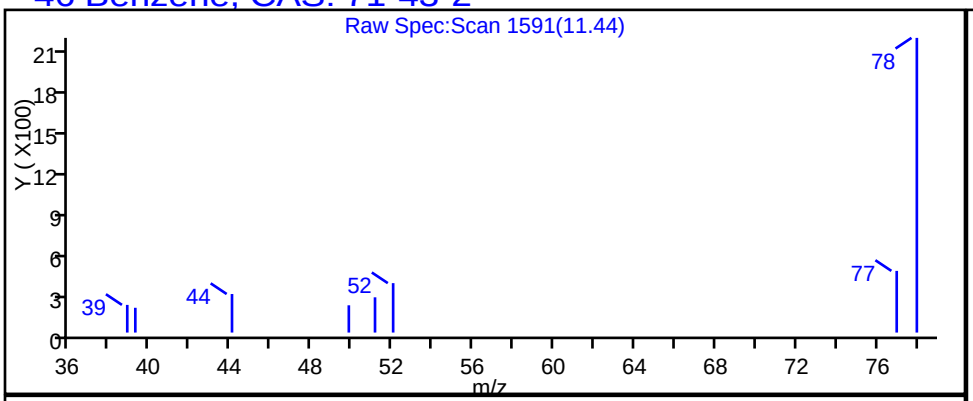


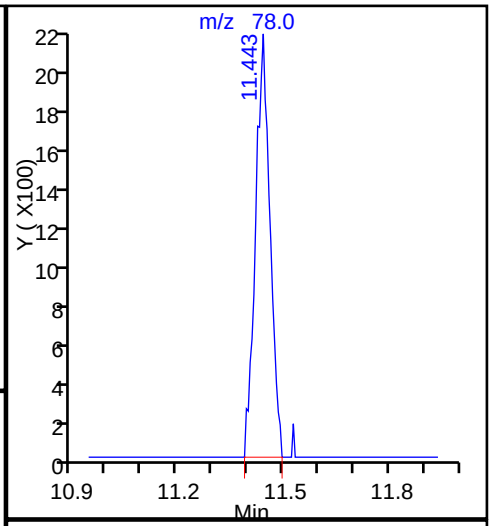


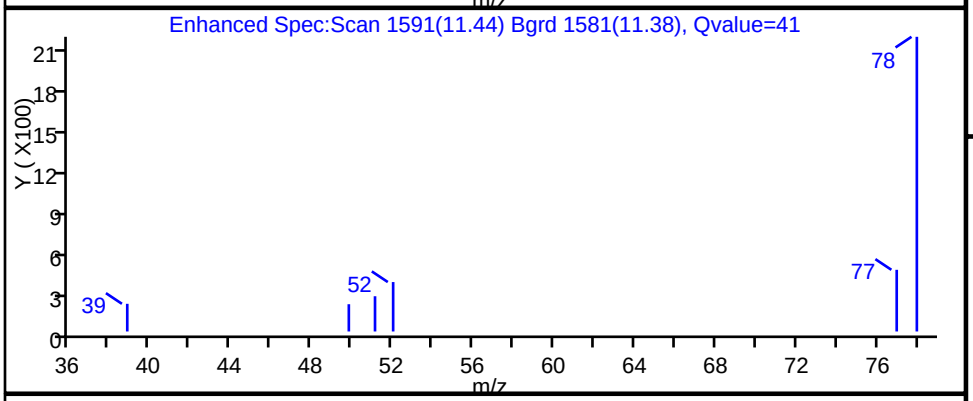
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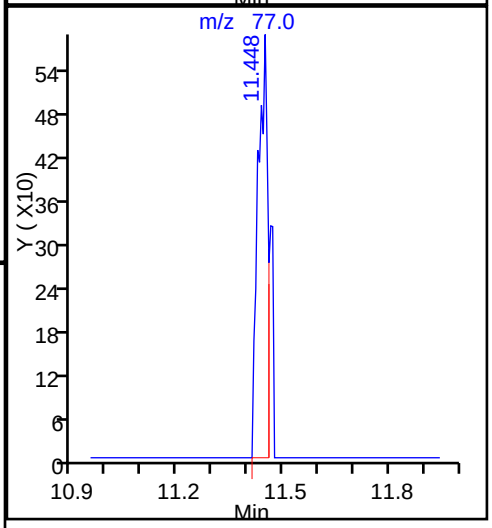
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Injection Date: 30-Apr-2015 08:01:30 Instrument ID: CHX.i
Lims ID: 200-27725-A-5 Lab Sample ID: 200-27725-5
Client ID: 101IA0305GA
Operator ID: wrd ALS Bottle#: 13 Worklist Smp#: 21
Purge Vol: 200.000 mL Dil. Factor: 8.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

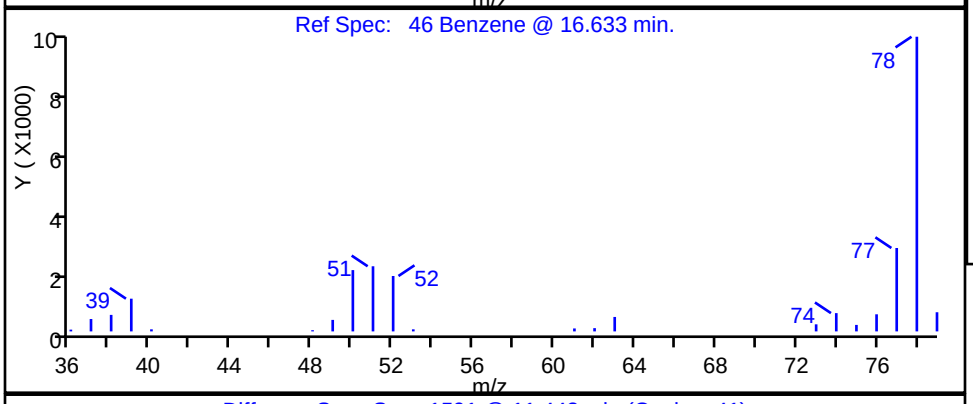
46 Benzene, CAS: 71-43-2

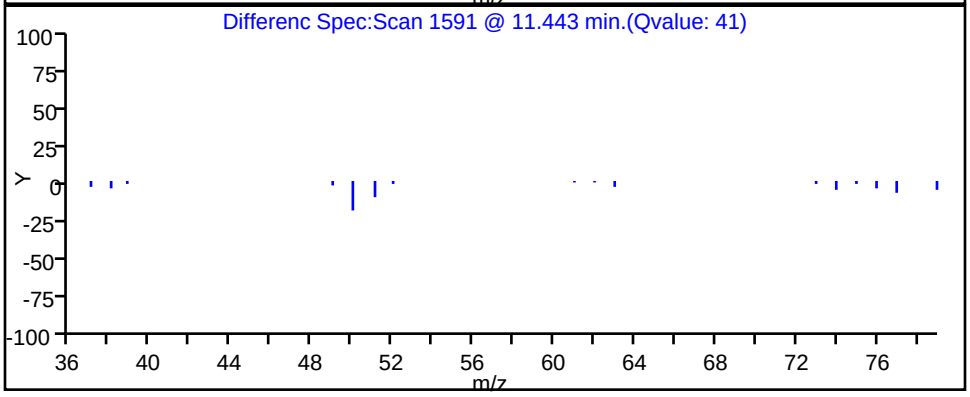








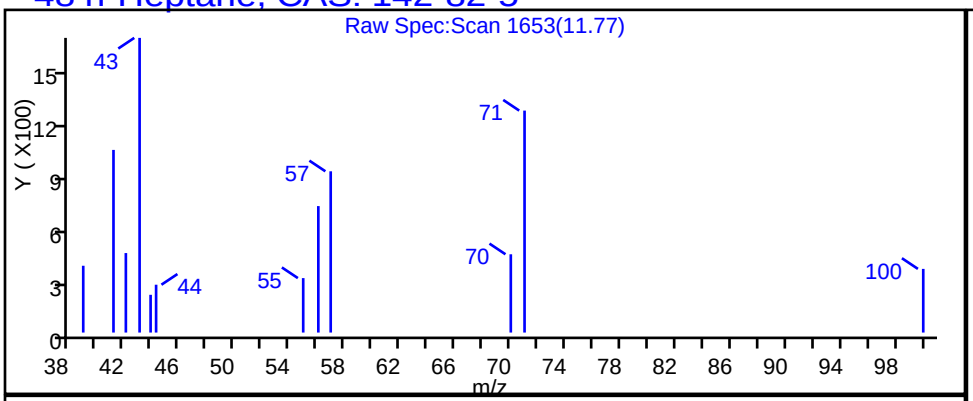


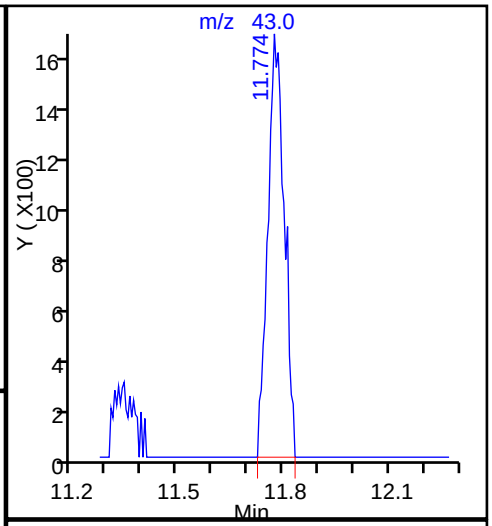


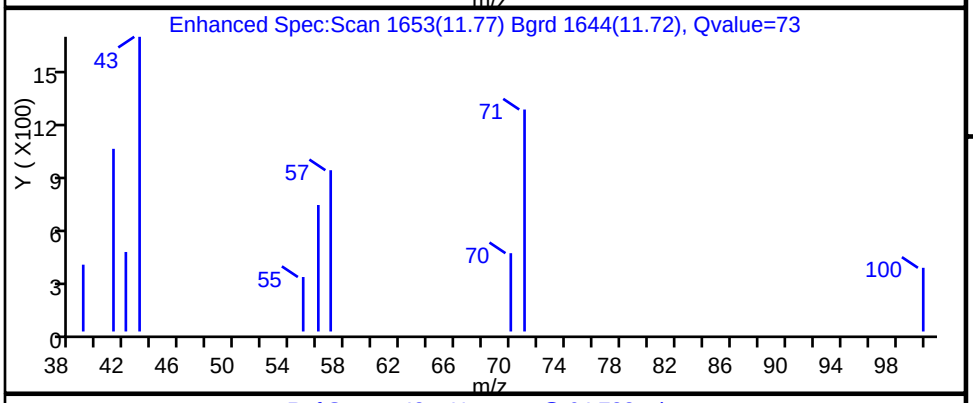
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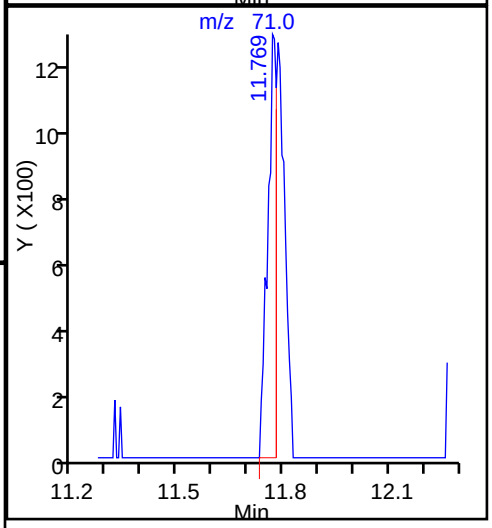
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Injection Date:	30-Apr-2015 08:01:30	Instrument ID:	CHX.i		
Lims ID:	200-27725-A-5	Lab Sample ID:	200-27725-5		
Client ID:	101IA0305GA				
Operator ID:	wrd	ALS Bottle#:	13	Worklist Smp#:	21
Purge Vol:	200.000 mL	Dil. Factor:	8.0000		
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

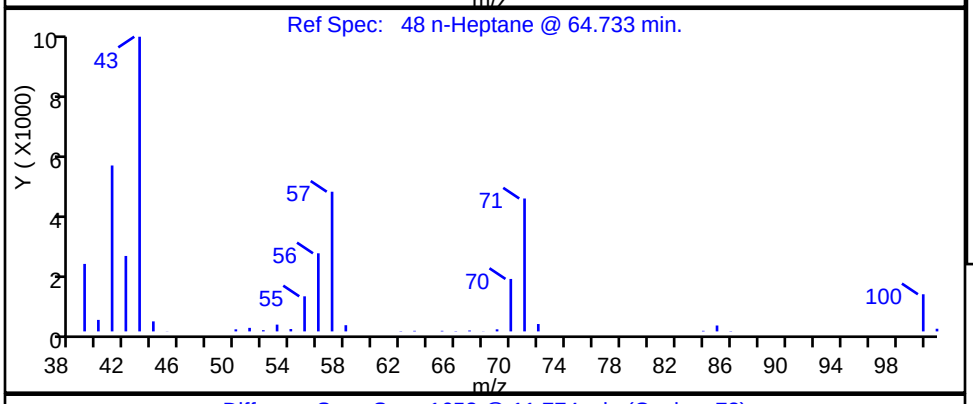
48 n-Heptane, CAS: 142-82-5

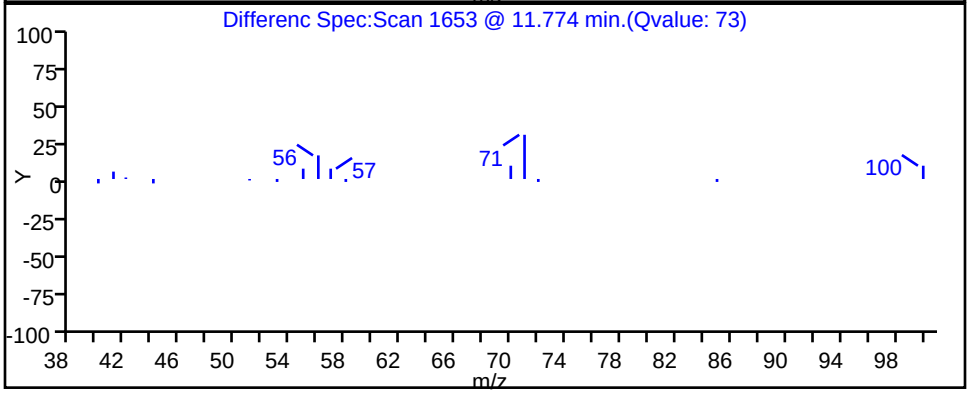






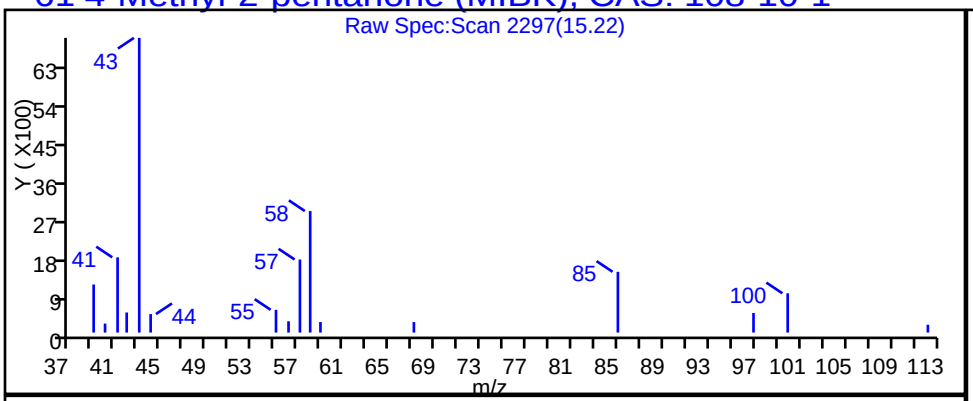


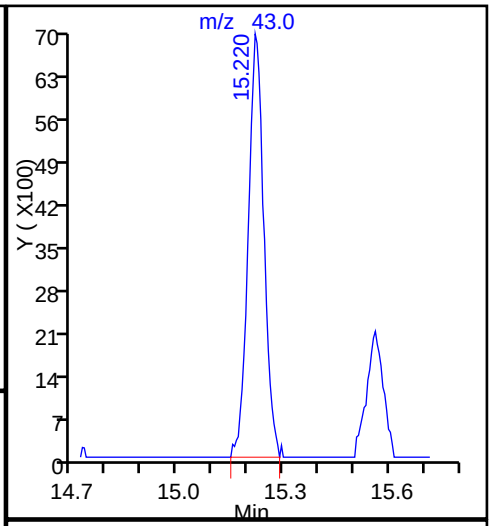


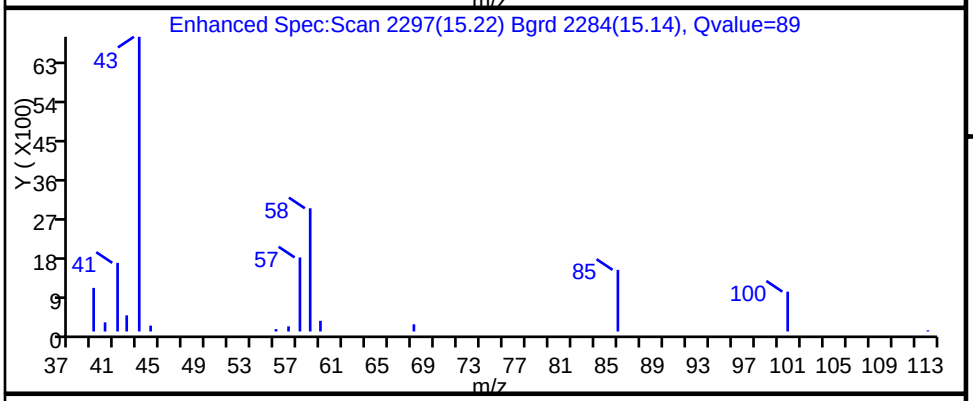


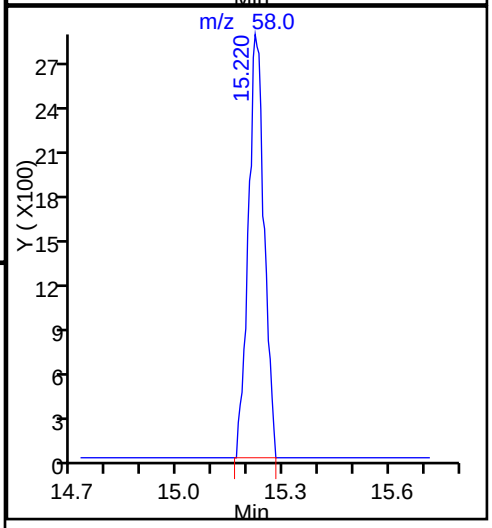
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Injection Date: 30-Apr-2015 08:01:30 Instrument ID: CHX.i
Lims ID: 200-27725-A-5 Lab Sample ID: 200-27725-5
Client ID: 101IA0305GA
Operator ID: wrd ALS Bottle#: 13 Worklist Smp#: 21
Purge Vol: 200.000 mL Dil. Factor: 8.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

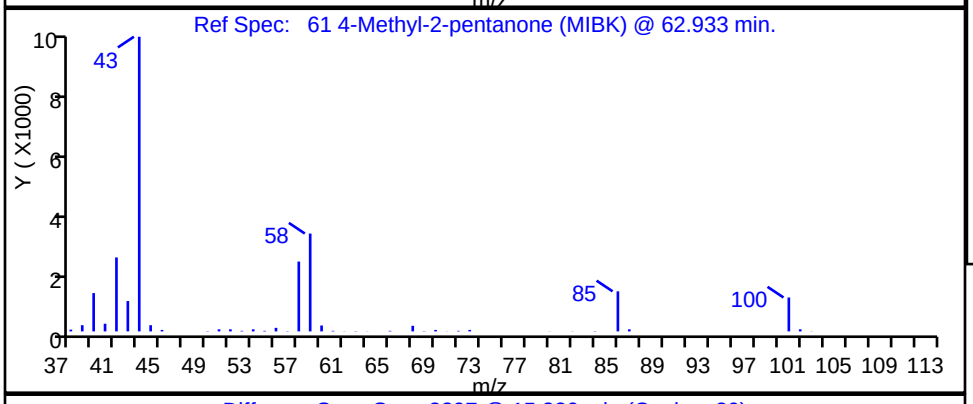
61 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

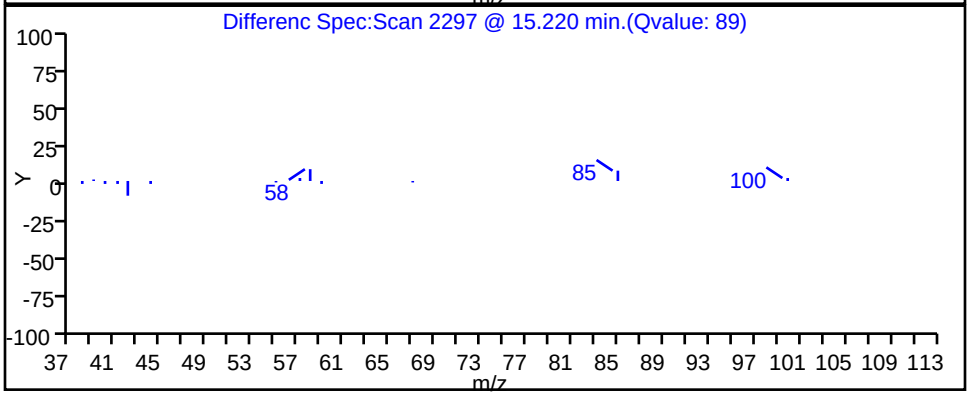








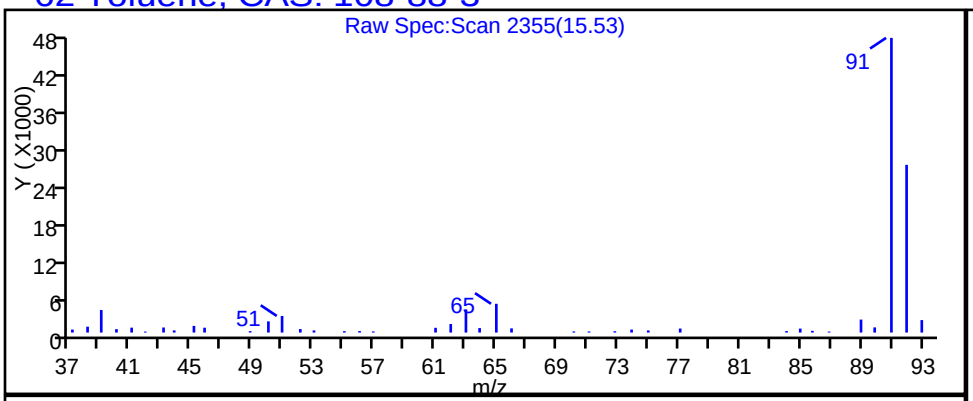


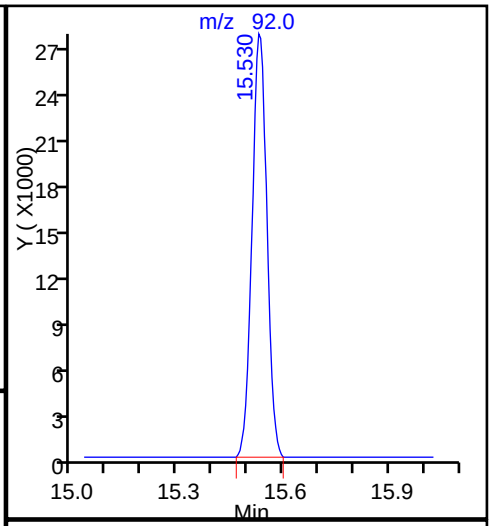


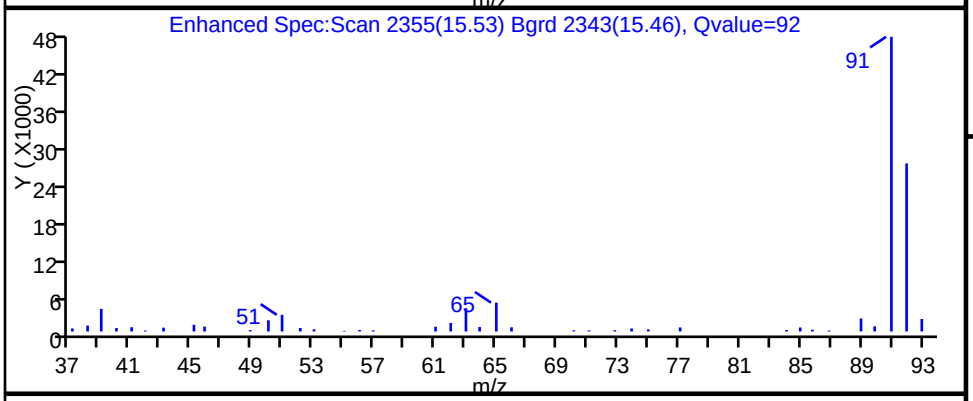
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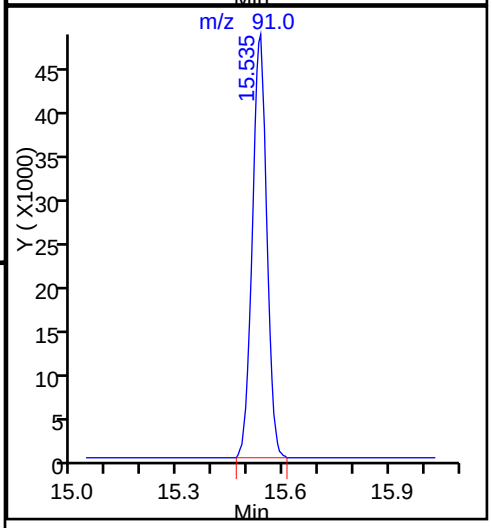
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Injection Date: 30-Apr-2015 08:01:30 Instrument ID: CHX.i
Lims ID: 200-27725-A-5 Lab Sample ID: 200-27725-5
Client ID: 101IA0305GA
Operator ID: wrd ALS Bottle#: 13 Worklist Smp#: 21
Purge Vol: 200.000 mL Dil. Factor: 8.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

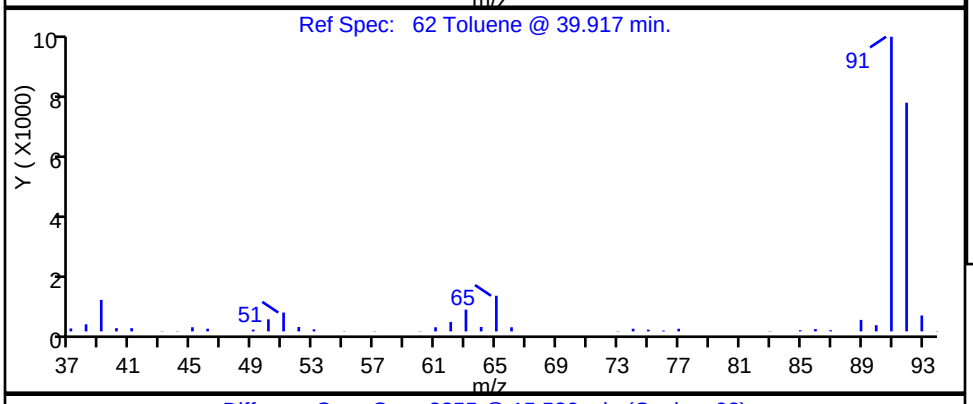
62 Toluene, CAS: 108-88-3

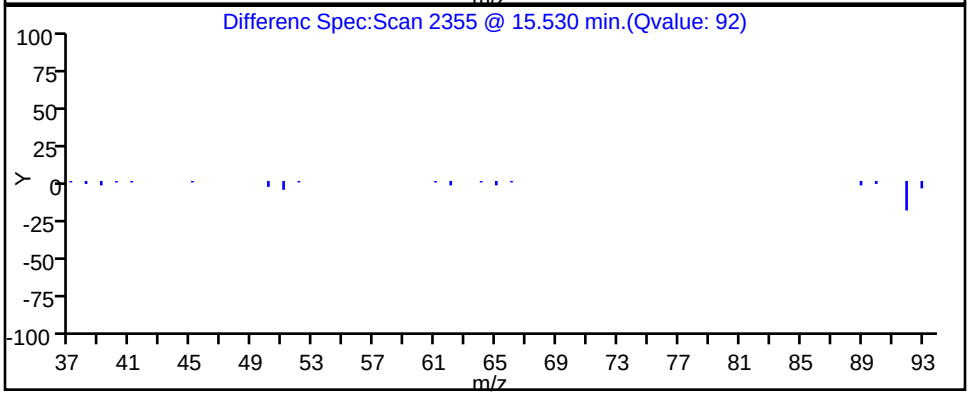








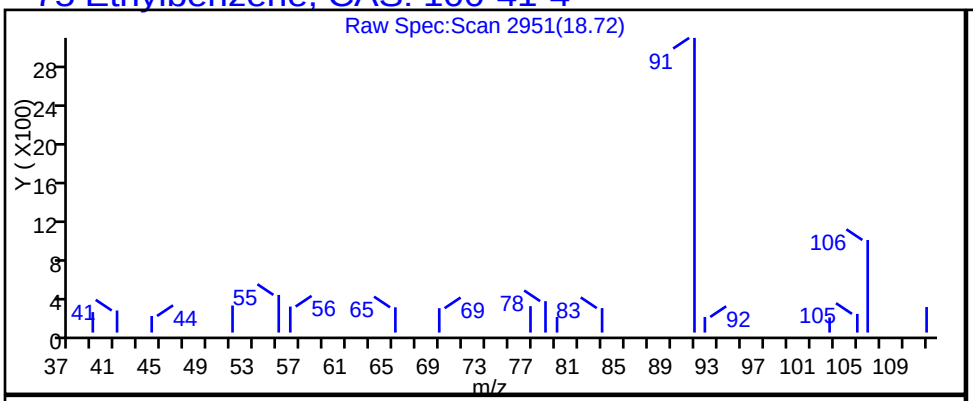


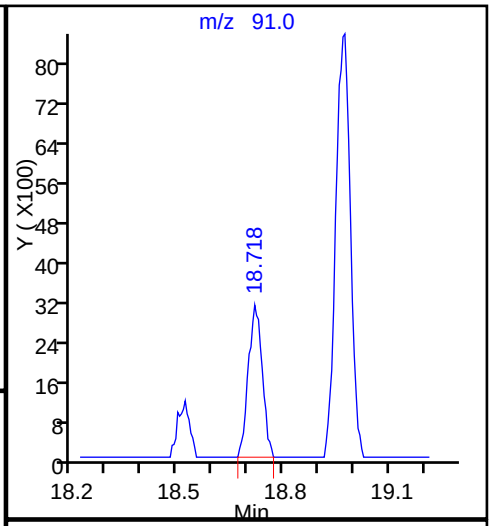


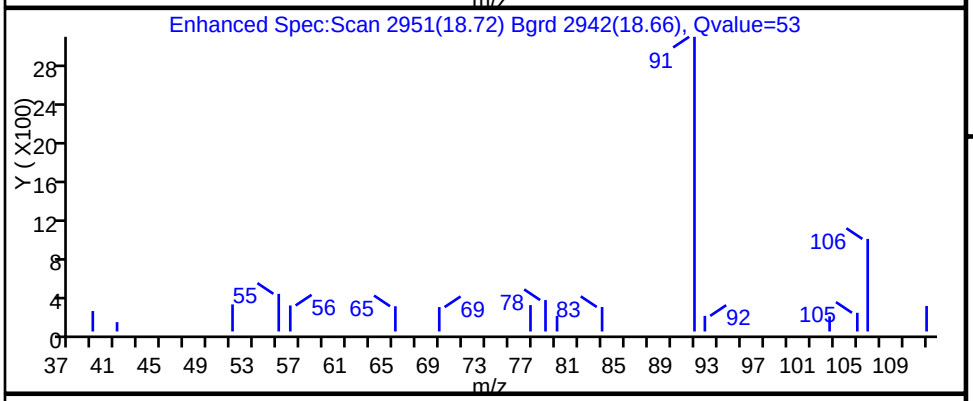
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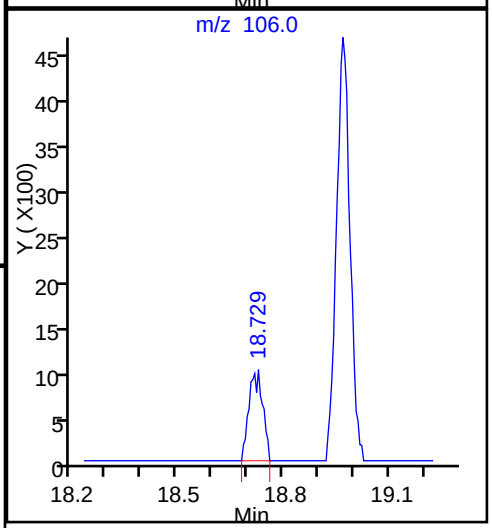
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Injection Date: 30-Apr-2015 08:01:30 Instrument ID: CHX.i
Lims ID: 200-27725-A-5 Lab Sample ID: 200-27725-5
Client ID: 101IA0305GA
Operator ID: wrd ALS Bottle#: 13 Worklist Smp#: 21
Purge Vol: 200.000 mL Dil. Factor: 8.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

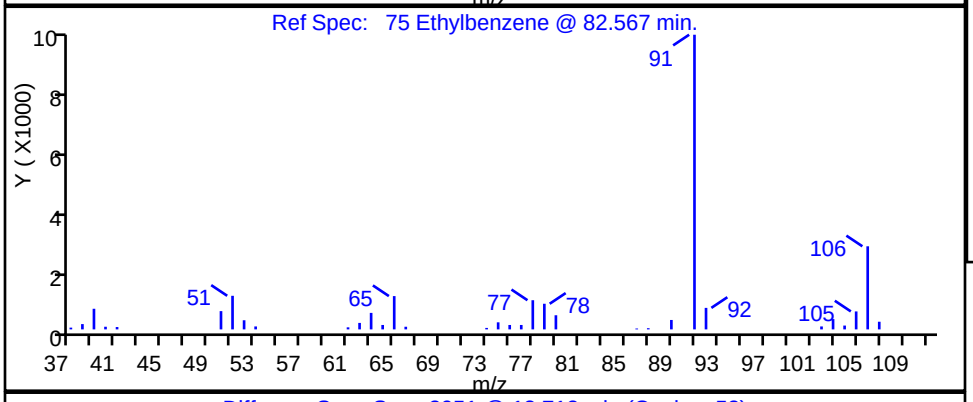
75 Ethylbenzene, CAS: 100-41-4

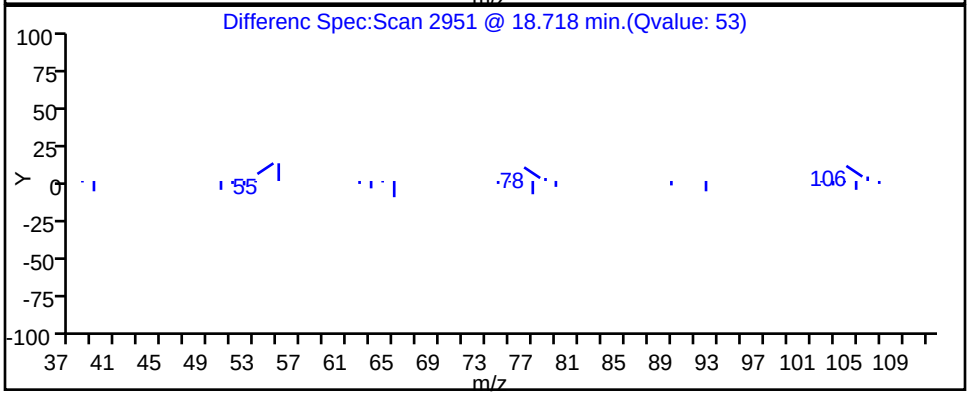






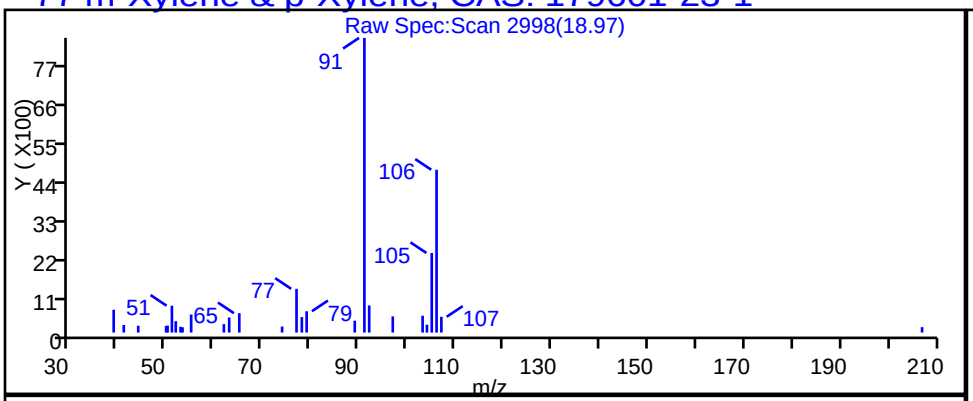


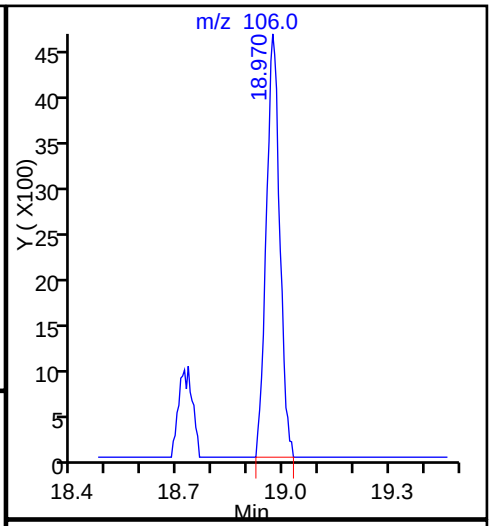


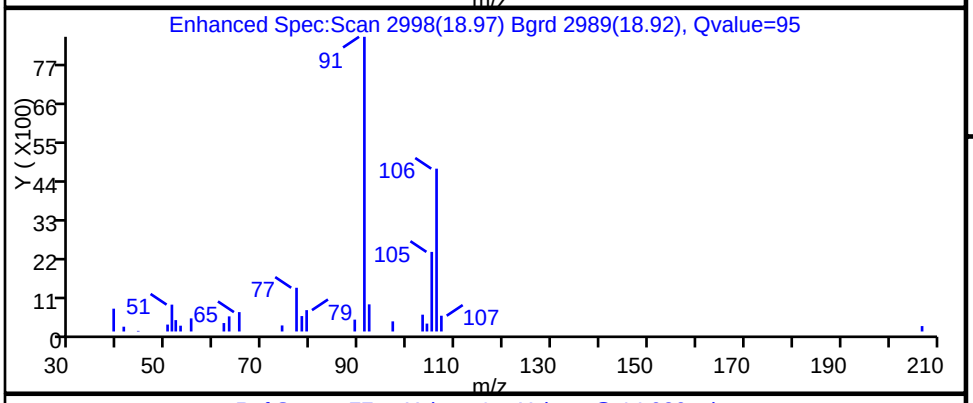


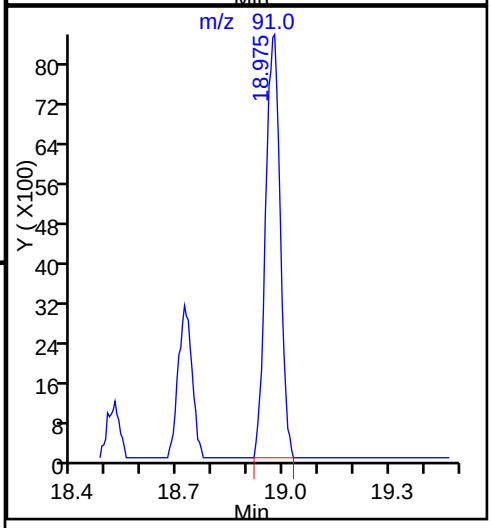
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Injection Date: 30-Apr-2015 08:01:30 Instrument ID: CHX.i
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Purge Vol: 200.000 mL Dil. Factor: 8.0000
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Column: RTX-624 (0.32 mm) Detector MS SCAN

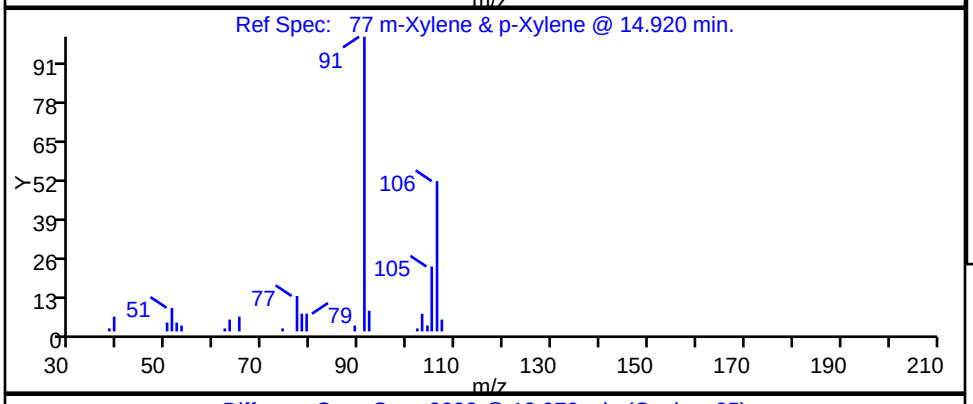
77 m-Xylene & p-Xylene, CAS: 179601-23-1

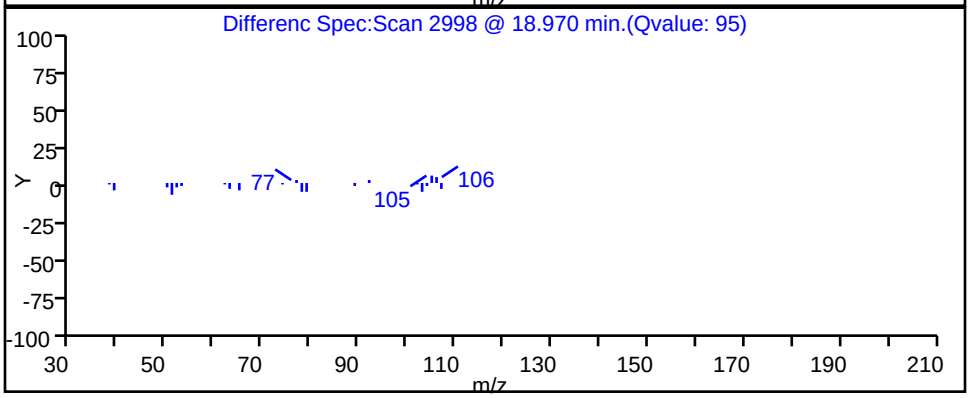










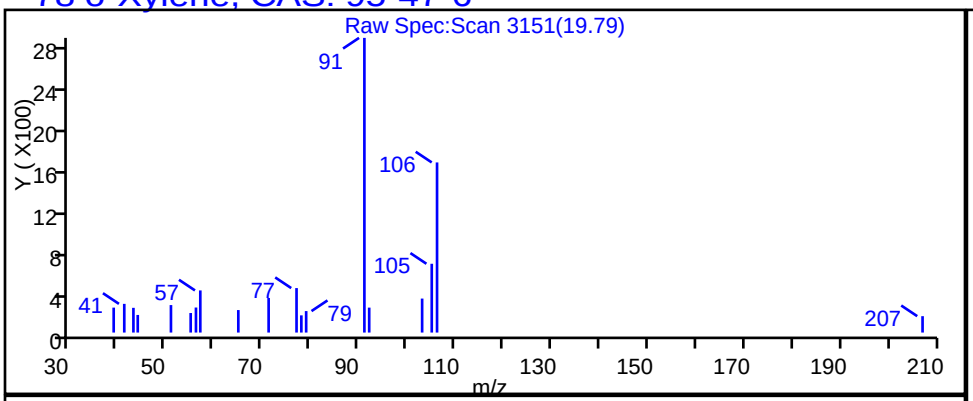


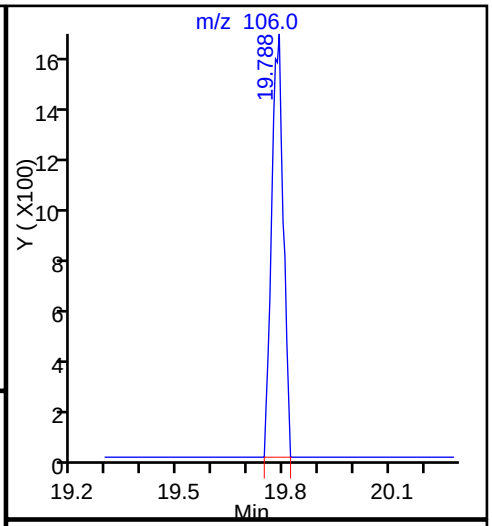
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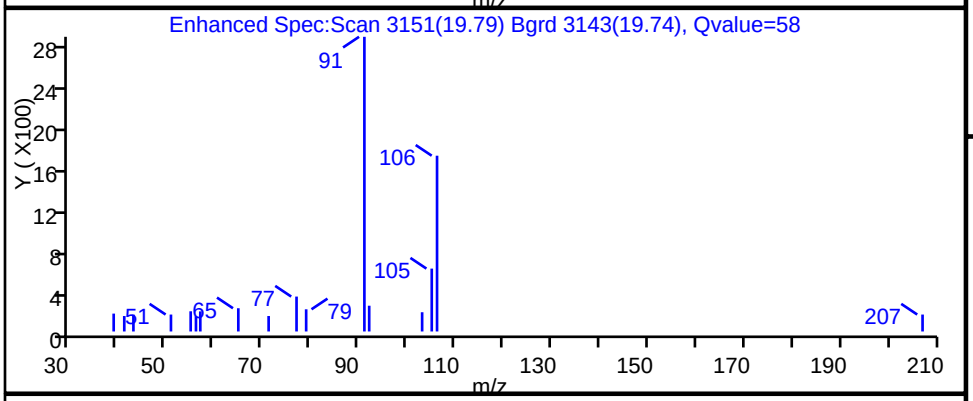
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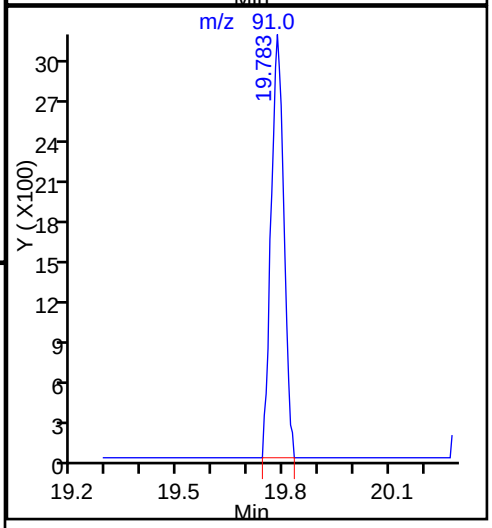
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Lims ID:	200-27725-A-5	Lab Sample ID:	200-27725-5		
Client ID:	101IA0305GA				
Operator ID:	wrd	ALS Bottle#:	13	Worklist Smp#:	21
Purge Vol:	200.000 mL	Dil. Factor:	8.0000		
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

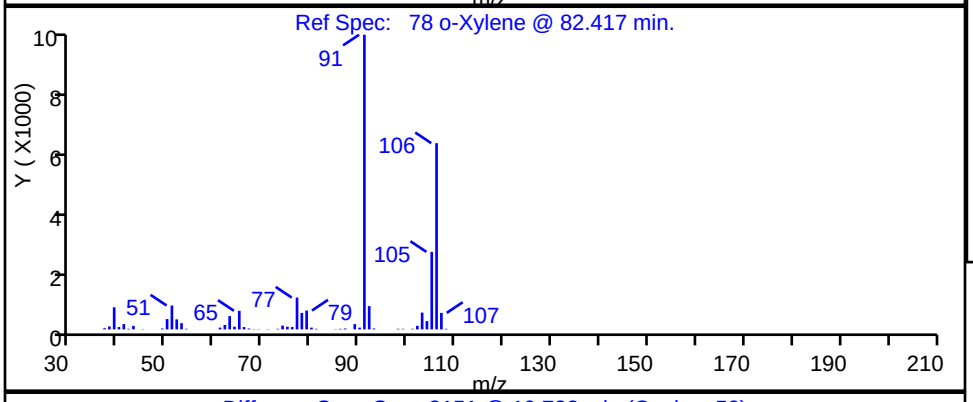
78 o-Xylene, CAS: 95-47-6

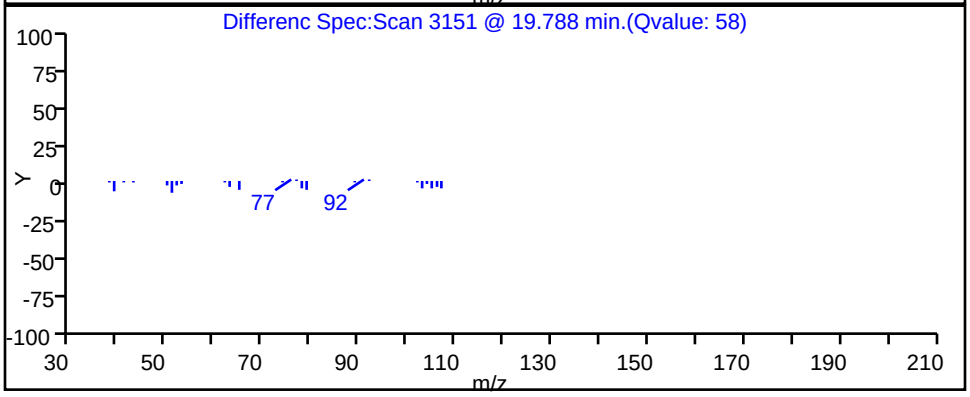






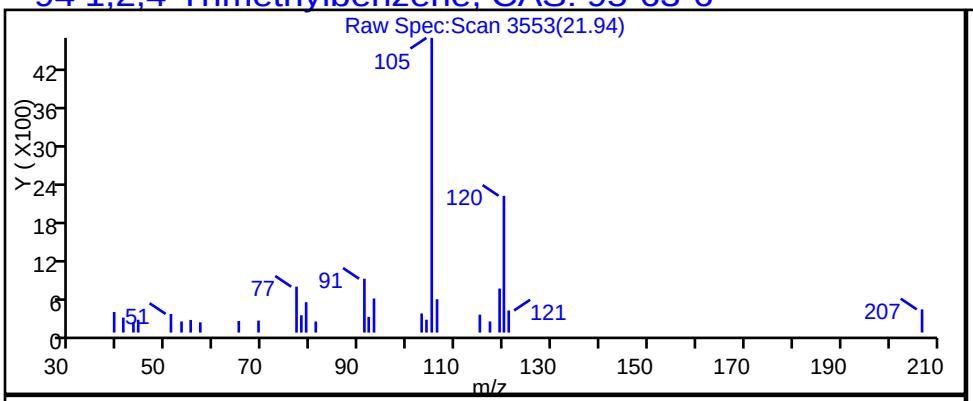


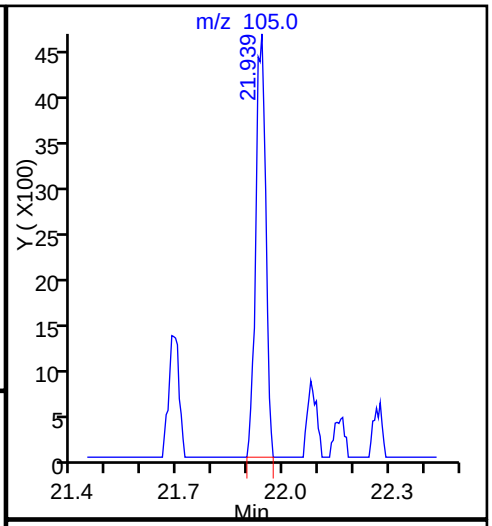


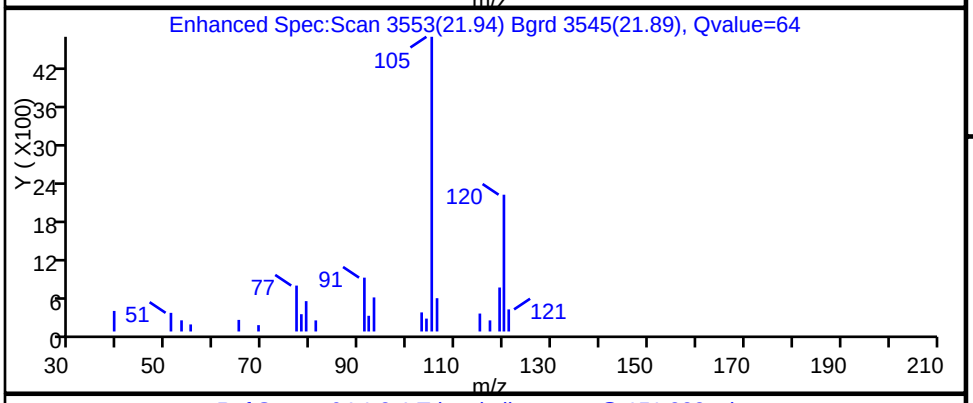


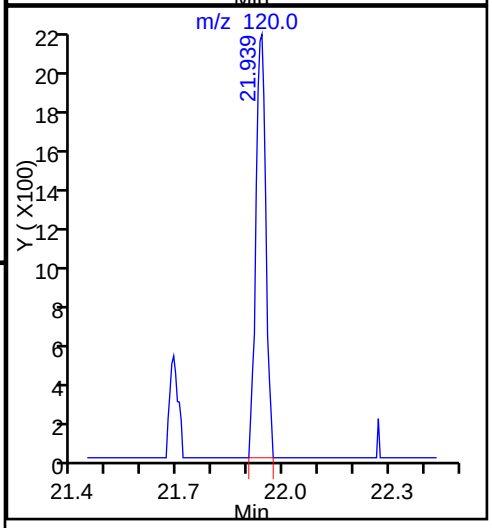
Data File: \\BTV-LIMS1\ChromData\CHX.i\20150429-13349.b\13349-021.D
Injection Date: 30-Apr-2015 08:01:30 Instrument ID: CHX.i
Lims ID: 200-27725-A-5 Lab Sample ID: 200-27725-5
Client ID: 101IA0305GA
Operator ID: wrd ALS Bottle#: 13 Worklist Smp#: 21
Purge Vol: 200.000 mL Dil. Factor: 8.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

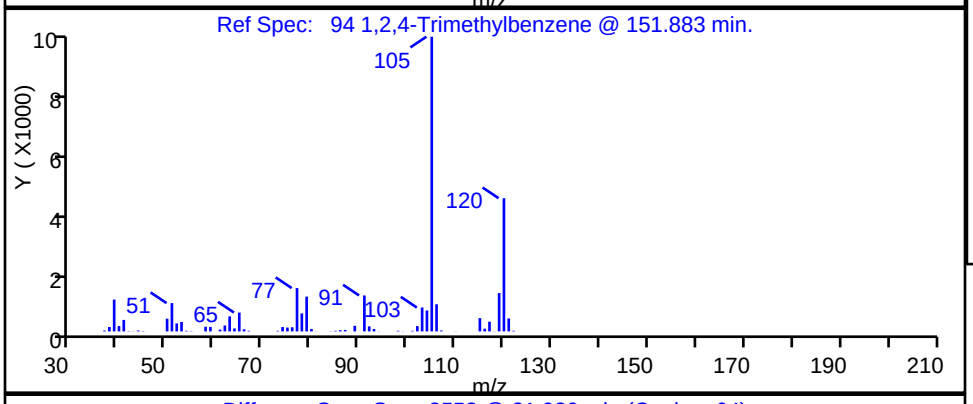
94 1,2,4-Trimethylbenzene, CAS: 95-63-6

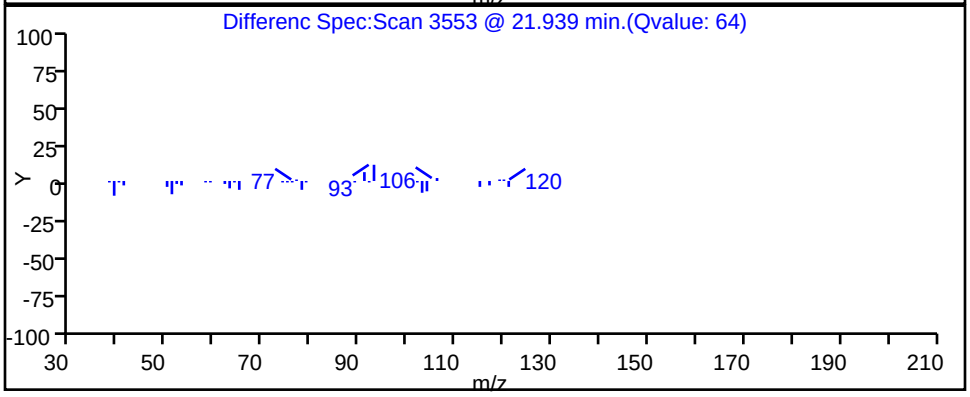












FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-27725-1

SDG No.:

Client Sample ID: 101IA0405GA Lab Sample ID: 200-27725-6

Matrix: Air Lab File ID: 13349-022.D

Analysis Method: TO-15 Date Collected: 04/23/2015 11:10

Sample wt/vol: 40(mL) Date Analyzed: 04/30/2015 08:51

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.: 87597 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	0.47	J D	2.5	0.28
75-45-6	Freon 22	86.47	1.0	U	2.5	0.40
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.40	U	1.0	0.26
74-87-3	Chloromethane	50.49	1.0	U	2.5	0.30
106-97-8	n-Butane	58.12	4.9	D	2.5	0.90
75-01-4	Vinyl chloride	62.50	0.15	U	1.0	0.13
106-99-0	1,3-Butadiene	54.09	0.40	U	1.0	0.18
74-83-9	Bromomethane	94.94	0.40	U	1.0	0.22
75-00-3	Chloroethane	64.52	0.40	U	2.5	0.31
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.15	U	1.0	0.10
75-69-4	Trichlorofluoromethane	137.37	0.65	J D	1.0	0.23
76-13-1	Freon TF	187.38	0.40	U	1.0	0.21
75-35-4	1,1-Dichloroethene	96.94	0.15	U	1.0	0.050
67-64-1	Acetone	58.08	110	D	25	3.5
67-63-0	Isopropyl alcohol	60.10	48	D	25	0.75
75-15-0	Carbon disulfide	76.14	0.40	U	2.5	0.15
107-05-1	3-Chloropropene	76.53	1.0	U	2.5	0.80
75-09-2	Methylene Chloride	84.93	1.0	J D	2.5	0.60
75-65-0	tert-Butyl alcohol	74.12	1.0	U	25	0.60
1634-04-4	Methyl tert-butyl ether	88.15	0.15	U	1.0	0.11
156-60-5	trans-1,2-Dichloroethene	96.94	0.15	U	1.0	0.14
110-54-3	n-Hexane	86.17	0.70	J D	1.0	0.14
75-34-3	1,1-Dichloroethane	98.96	0.15	U	1.0	0.14
78-93-3	Methyl Ethyl Ketone	72.11	2.7	D	2.5	0.46
156-59-2	cis-1,2-Dichloroethene	96.94	0.40	U	1.0	0.15
540-59-0	1,2-Dichloroethene, Total	96.94	0.40	U	1.0	0.27
67-66-3	Chloroform	119.38	0.40	U	1.0	0.19
109-99-9	Tetrahydrofuran	72.11	1.0	U	25	0.90
71-55-6	1,1,1-Trichloroethane	133.41	0.40	U	1.0	0.15
110-82-7	Cyclohexane	84.16	0.15	U	1.0	0.050
56-23-5	Carbon tetrachloride	153.81	0.15	U	1.0	0.055
540-84-1	2,2,4-Trimethylpentane	114.23	0.15	U	1.0	0.12
71-43-2	Benzene	78.11	0.30	J D	1.0	0.15
107-06-2	1,2-Dichloroethane	98.96	0.40	U	1.0	0.26

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

Lab Name: TestAmerica Burlington Job No.: 200-27725-1

SDG No.:

Client Sample ID: 101IA0405GA Lab Sample ID: 200-27725-6

Matrix: Air Lab File ID: 13349-022.D

Analysis Method: TO-15 Date Collected: 04/23/2015 11:10

Sample wt/vol: 40(mL) Date Analyzed: 04/30/2015 08:51

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.: 87597 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	0.19
79-01-6	Trichloroethene	131.39	0.15	U	1.0	0.15
80-62-6	Methyl methacrylate	100.12	1.0	U	2.5	0.48
78-87-5	1,2-Dichloropropane	112.99	0.40	U	1.0	0.18
123-91-1	1,4-Dioxane	88.11	1.0	U	25	0.80
75-27-4	Bromodichloromethane	163.83	0.15	U	1.0	0.15
10061-01-5	cis-1,3-Dichloropropene	110.97	0.15	U	1.0	0.15
108-10-1	methyl isobutyl ketone	100.16	1.5	J D	2.5	0.90
108-88-3	Toluene	92.14	4.4	D	1.0	0.13
10061-02-6	trans-1,3-Dichloropropene	110.97	0.15	U	1.0	0.13
79-00-5	1,1,2-Trichloroethane	133.41	0.40	U	1.0	0.19
127-18-4	Tetrachloroethene	165.83	0.15	U	1.0	0.15
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	1.0	U	2.5	0.85
124-48-1	Dibromochloromethane	208.29	0.15	U	1.0	0.10
106-93-4	1,2-Dibromoethane	187.87	0.15	U	1.0	0.090
108-90-7	Chlorobenzene	112.56	0.15	U	1.0	0.090
100-41-4	Ethylbenzene	106.17	0.21	J D	1.0	0.10
179601-23-1	m,p-Xylene	106.17	0.77	J D	2.5	0.13
95-47-6	Xylene, o-	106.17	0.27	J D	1.0	0.090
1330-20-7	Xylene (total)	106.17	1.0		1.0	0.21
100-42-5	Styrene	104.15	0.15	U	1.0	0.080
75-25-2	Bromoform	252.75	0.15	U	1.0	0.13
98-82-8	Cumene	120.19	0.15	U	1.0	0.095
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.40	U	1.0	0.17
103-65-1	n-Propylbenzene	120.19	0.15	U	1.0	0.14
622-96-8	4-Ethyltoluene	120.20	0.15	U	1.0	0.10
108-67-8	1,3,5-Trimethylbenzene	120.20	0.15	U	1.0	0.095
95-49-8	2-Chlorotoluene	126.59	0.40	U	1.0	0.16
98-06-6	tert-Butylbenzene	134.22	0.15	U	1.0	0.10
95-63-6	1,2,4-Trimethylbenzene	120.20	0.18	J D	1.0	0.080
135-98-8	sec-Butylbenzene	134.22	0.15	U	1.0	0.11
99-87-6	4-Isopropyltoluene	134.22	0.15	U	1.0	0.10
541-73-1	1,3-Dichlorobenzene	147.00	0.15	U	1.0	0.10
106-46-7	1,4-Dichlorobenzene	147.00	0.15	U	1.0	0.095

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

Lab Name: TestAmerica Burlington Job No.: 200-27725-1

SDG No.:

Client Sample ID: 101IA0405GA Lab Sample ID: 200-27725-6

Matrix: Air Lab File ID: 13349-022.D

Analysis Method: TO-15 Date Collected: 04/23/2015 11:10

Sample wt/vol: 40(mL) Date Analyzed: 04/30/2015 08:51

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.: 87597 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	0.15	U	1.0	0.090
104-51-8	n-Butylbenzene	134.22	0.15	U	1.0	0.14
95-50-1	1,2-Dichlorobenzene	147.00	0.15	U	1.0	0.090
120-82-1	1,2,4-Trichlorobenzene	181.45	0.40	U	2.5	0.17
87-68-3	Hexachlorobutadiene	260.76	0.40	U	1.0	0.18
91-20-3	Naphthalene	128.17	0.40	U	2.5	0.15

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

Lab Name: TestAmerica Burlington Job No.: 200-27725-1

SDG No.:

Client Sample ID: 101IA0405GA Lab Sample ID: 200-27725-6

Matrix: Air Lab File ID: 13349-022.D

Analysis Method: TO-15 Date Collected: 04/23/2015 11:10

Sample wt/vol: 40(mL) Date Analyzed: 04/30/2015 08:51

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.: 87597 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	2.3	J D	12	1.4
75-45-6	Freon 22	86.47	3.5	U	8.8	1.4
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	2.8	U	7.0	1.8
74-87-3	Chloromethane	50.49	2.1	U	5.2	0.62
106-97-8	n-Butane	58.12	12	D	5.9	2.1
75-01-4	Vinyl chloride	62.50	0.38	U	2.6	0.33
106-99-0	1,3-Butadiene	54.09	0.88	U	2.2	0.40
74-83-9	Bromomethane	94.94	1.6	U	3.9	0.85
75-00-3	Chloroethane	64.52	1.1	U	6.6	0.80
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.66	U	4.4	0.44
75-69-4	Trichlorofluoromethane	137.37	3.7	J D	5.6	1.3
76-13-1	Freon TF	187.38	3.1	U	7.7	1.6
75-35-4	1,1-Dichloroethene	96.94	0.59	U	4.0	0.20
67-64-1	Acetone	58.08	260	D	59	8.2
67-63-0	Isopropyl alcohol	60.10	120	D	61	1.8
75-15-0	Carbon disulfide	76.14	1.2	U	7.8	0.47
107-05-1	3-Chloropropene	76.53	3.1	U	7.8	2.5
75-09-2	Methylene Chloride	84.93	3.5	J D	8.7	2.1
75-65-0	tert-Butyl alcohol	74.12	3.0	U	76	1.8
1634-04-4	Methyl tert-butyl ether	88.15	0.54	U	3.6	0.40
156-60-5	trans-1,2-Dichloroethene	96.94	0.59	U	4.0	0.54
110-54-3	n-Hexane	86.17	2.5	J D	3.5	0.49
75-34-3	1,1-Dichloroethane	98.96	0.61	U	4.0	0.57
78-93-3	Methyl Ethyl Ketone	72.11	7.9	D	7.4	1.4
156-59-2	cis-1,2-Dichloroethene	96.94	1.6	U	4.0	0.59
540-59-0	1,2-Dichloroethene, Total	96.94	1.6	U	4.0	1.1
67-66-3	Chloroform	119.38	2.0	U	4.9	0.93
109-99-9	Tetrahydrofuran	72.11	2.9	U	74	2.7
71-55-6	1,1,1-Trichloroethane	133.41	2.2	U	5.5	0.82
110-82-7	Cyclohexane	84.16	0.52	U	3.4	0.17
56-23-5	Carbon tetrachloride	153.81	0.94	U	6.3	0.35
540-84-1	2,2,4-Trimethylpentane	114.23	0.70	U	4.7	0.54
71-43-2	Benzene	78.11	0.96	J D	3.2	0.46
107-06-2	1,2-Dichloroethane	98.96	1.6	U	4.0	1.1

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

Lab Name: TestAmerica Burlington Job No.: 200-27725-1

SDG No.:

Client Sample ID: 101IA0405GA Lab Sample ID: 200-27725-6

Matrix: Air Lab File ID: 13349-022.D

Analysis Method: TO-15 Date Collected: 04/23/2015 11:10

Sample wt/vol: 40(mL) Date Analyzed: 04/30/2015 08:51

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.: 87597 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	0.76
79-01-6	Trichloroethene	131.39	0.81	U	5.4	0.81
80-62-6	Methyl methacrylate	100.12	4.1	U	10	2.0
78-87-5	1,2-Dichloropropane	112.99	1.8	U	4.6	0.81
123-91-1	1,4-Dioxane	88.11	3.6	U	90	2.9
75-27-4	Bromodichloromethane	163.83	1.0	U	6.7	0.97
10061-01-5	cis-1,3-Dichloropropene	110.97	0.68	U	4.5	0.66
108-10-1	methyl isobutyl ketone	100.16	6.3	J D	10	3.7
108-88-3	Toluene	92.14	17	D	3.8	0.47
10061-02-6	trans-1,3-Dichloropropene	110.97	0.68	U	4.5	0.59
79-00-5	1,1,2-Trichloroethane	133.41	2.2	U	5.5	1.0
127-18-4	Tetrachloroethene	165.83	1.0	U	6.8	1.0
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	4.1	U	10	3.5
124-48-1	Dibromochloromethane	208.29	1.3	U	8.5	0.85
106-93-4	1,2-Dibromoethane	187.87	1.2	U	7.7	0.69
108-90-7	Chlorobenzene	112.56	0.69	U	4.6	0.41
100-41-4	Ethylbenzene	106.17	0.90	J D	4.3	0.43
179601-23-1	m,p-Xylene	106.17	3.3	J D	11	0.54
95-47-6	Xylene, o-	106.17	1.2	J D	4.3	0.39
1330-20-7	Xylene (total)	106.17	4.5		4.3	0.89
100-42-5	Styrene	104.15	0.64	U	4.3	0.34
75-25-2	Bromoform	252.75	1.6	U	10	1.3
98-82-8	Cumene	120.19	0.74	U	4.9	0.47
79-34-5	1,1,2,2-Tetrachloroethane	167.85	2.7	U	6.9	1.2
103-65-1	n-Propylbenzene	120.19	0.74	U	4.9	0.66
622-96-8	4-Ethyltoluene	120.20	0.74	U	4.9	0.49
108-67-8	1,3,5-Trimethylbenzene	120.20	0.74	U	4.9	0.47
95-49-8	2-Chlorotoluene	126.59	2.1	U	5.2	0.80
98-06-6	tert-Butylbenzene	134.22	0.82	U	5.5	0.55
95-63-6	1,2,4-Trimethylbenzene	120.20	0.87	J D	4.9	0.39
135-98-8	sec-Butylbenzene	134.22	0.82	U	5.5	0.58
99-87-6	4-Isopropyltoluene	134.22	0.82	U	5.5	0.55
541-73-1	1,3-Dichlorobenzene	147.00	0.90	U	6.0	0.60
106-46-7	1,4-Dichlorobenzene	147.00	0.90	U	6.0	0.57

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

Lab Name: TestAmerica Burlington Job No.: 200-27725-1

SDG No.:

Client Sample ID: 101IA0405GA Lab Sample ID: 200-27725-6

Matrix: Air Lab File ID: 13349-022.D

Analysis Method: TO-15 Date Collected: 04/23/2015 11:10

Sample wt/vol: 40(mL) Date Analyzed: 04/30/2015 08:51

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.: 87597 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	0.78	U	5.2	0.47
104-51-8	n-Butylbenzene	134.22	0.82	U	5.5	0.77
95-50-1	1,2-Dichlorobenzene	147.00	0.90	U	6.0	0.54
120-82-1	1,2,4-Trichlorobenzene	181.45	3.0	U	19	1.3
87-68-3	Hexachlorobutadiene	260.76	4.3	U	11	1.9
91-20-3	Naphthalene	128.17	2.1	U	13	0.79

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHX.i\20150429-13349.b\13349-022.D
Lims ID: 200-27725-A-6 Lab Sample ID: 200-27725-6
Client ID: 101IA0405GA
Sample Type: Client
Inject. Date: 30-Apr-2015 08:51:30 ALS Bottle#: 14 Worklist Smp#: 22
Purge Vol: 200.000 mL Dil. Factor: 5.0000
Sample Info: 200-0013349-022
Misc. Info.: 27710-6
Operator ID: wrd Instrument ID: CHX.i

Method: \\BTV-LIMS1\ChromData\CHX.i\20150429-13349.b\TO15_LLNJ_TO3_CHX.i.m.m
Limit Group: AI_TO15_ICAL
Last Update: 30-Apr-2015 09:34:59 Calib Date: 20-Mar-2015 00:18:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHX.i\20150319-12677.b\12677-011.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK004

First Level Reviewer: lyonsb Date: 30-Apr-2015 09:34:49

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	3.113	3.113	0.000	98	6257	0.0945	
3 Chlorodifluoromethane	51		3.167				ND	
4 1,2-Dichloro-1,1,2,2-tetra	85		3.375				ND	
5 Chloromethane	50		3.520				ND	
6 Butane	43	3.712	3.712	0.000	98	26443	0.9800	
7 Vinyl chloride	62		3.761				ND	
8 Butadiene	54		3.835				ND	
9 Bromomethane	94		4.510				ND	
10 Chloroethane	64		4.740				ND	
12 Vinyl bromide	106		5.125				ND	
13 Trichlorofluoromethane	101	5.210	5.216	-0.006	96	9321	0.1304	
18 1,1,2-Trichloro-1,2,2-trif	101		6.270				ND	
20 1,1-Dichloroethene	96		6.328				ND	
21 Acetone	43	6.564	6.575	-0.011	89	628244	21.6	
22 Carbon disulfide	76		6.724				ND	
23 Isopropyl alcohol	45	6.842	6.847	-0.005	98	261013	9.56	
24 3-Chloro-1-propene	41		7.115				ND	
26 Methylene Chloride	49	7.409	7.409	0.000	82	4838	0.2014	
28 2-Methyl-2-propanol	59		7.618				ND	
29 Methyl tert-butyl ether	73		7.794				ND	
30 trans-1,2-Dichloroethene	61		7.837				ND	
32 Hexane	57	8.206	8.206	0.000	89	4944	0.1391	
33 1,1-Dichloroethane	63		8.720				ND	
35 cis-1,2-Dichloroethene	96		9.838				ND	
36 2-Butanone (MEK)	72	9.886	9.886	0.000	98	8292	0.5330	
S 38 1,2-Dichloroethene, Total	61		10.000				ND	
39 Tetrahydrofuran	42	10.309	10.298	0.011	30	2070	0.0945	
* 40 Chlorobromomethane	128	10.303	10.314	-0.011	79	317140	10.0	
41 Chloroform	83		10.437				ND	
42 Cyclohexane	84		10.678				ND	
43 1,1,1-Trichloroethane	97		10.715				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
44 Carbon tetrachloride	117		10.967				ND	
45 Isooctane	57		11.395				ND	
46 Benzene	78	11.448	11.448	0.000	92	5461	0.0604	
47 1,2-Dichloroethane	62		11.646				ND	
48 n-Heptane	43		11.785				ND	
* 50 1,4-Difluorobenzene	114	12.299	12.304	-0.005	93	1544854	10.0	
52 Trichloroethene	95		12.786				ND	
53 1,2-Dichloropropane	63		13.379				ND	
54 Methyl methacrylate	69		13.529				ND	
55 1,4-Dioxane	88		13.593				ND	
57 Dichlorobromomethane	83		13.957				ND	
58 cis-1,3-Dichloropropene	75		14.931				ND	
61 4-Methyl-2-pentanone (MIBK	43	15.220	15.220	0.000	94	18185	0.3093	
62 Toluene	92	15.530	15.535	-0.005	93	59209	0.8785	
67 trans-1,3-Dichloropropene	75		16.156				ND	
68 1,1,2-Trichloroethane	83		16.546				ND	
69 Tetrachloroethene	166		16.637				ND	
70 2-Hexanone	43		16.985				ND	
71 Chlorodibromomethane	129		17.327				ND	
72 Ethylene Dibromide	107		17.611				ND	
* 73 Chlorobenzene-d5	117	18.515	18.520	-0.005	84	1333938	10.0	
74 Chlorobenzene	112		18.579				ND	
75 Ethylbenzene	91	18.718	18.724	-0.006	96	6190	0.0415	
77 m-Xylene & p-Xylene	106	18.970	18.975	-0.005	98	9442	0.1530	
78 o-Xylene	106	19.788	19.783	0.005	94	3320	0.0544	
79 Styrene	104		19.836				ND	
S 80 Xylenes, Total	106				0		0.2074	
81 Bromoform	173		20.243				ND	
82 Isopropylbenzene	105		20.414				ND	
* 83 4-Bromofluorobenzene	95	20.773	20.773	0.000	97	877848	10.0	
85 1,1,2,2-Tetrachloroethane	83		21.040				ND	
86 N-Propylbenzene	91		21.094				ND	
89 4-Ethyltoluene	105		21.276				ND	
90 2-Chlorotoluene	91		21.297				ND	
91 1,3,5-Trimethylbenzene	105		21.372				ND	
93 tert-Butylbenzene	119		21.848				ND	
94 1,2,4-Trimethylbenzene	105	21.934	21.939	-0.005	96	5386	0.0352	
95 sec-Butylbenzene	105		22.158				ND	
96 4-Isopropyltoluene	119		22.356				ND	
97 1,3-Dichlorobenzene	146		22.404				ND	
98 1,4-Dichlorobenzene	146		22.543				ND	
99 Benzyl chloride	91		22.747				ND	
101 n-Butylbenzene	91		22.950				ND	
102 1,2-Dichlorobenzene	146		23.105				ND	
104 1,2,4-Trichlorobenzene	180		25.759				ND	
105 Hexachlorobutadiene	225		25.940				ND	
106 Naphthalene	128		26.294				ND	

Reagents:

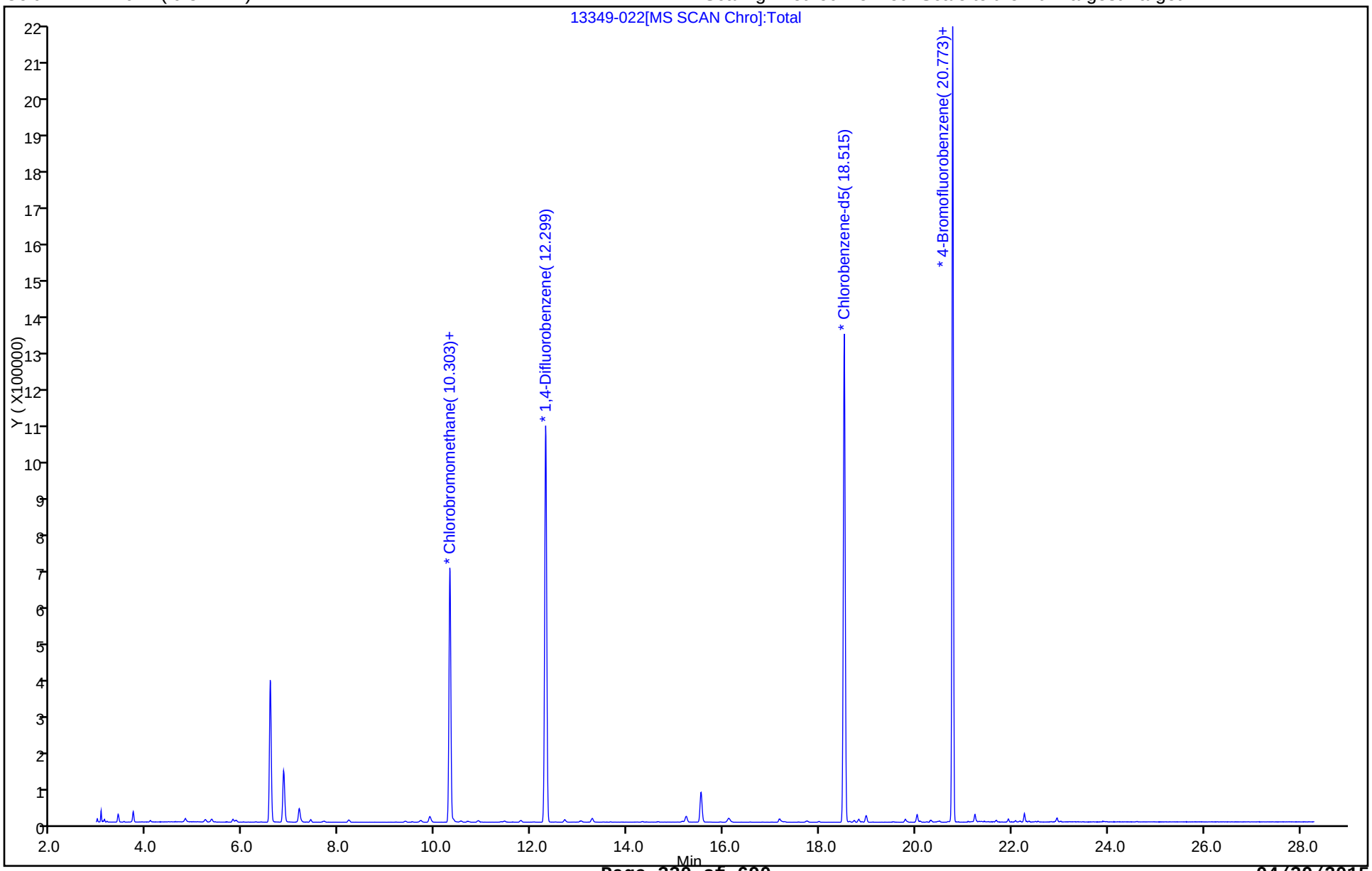
ATTO15GIS_00009 Amount Added: 20.00 Units: mL Run Reagent

Report Date: 30-Apr-2015 09:34:59 Chrom Revision: 2.2 09-Apr-2015 10:05:40

TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHX.i\20150429-13349.b\13349-022.D				
Injection Date:	30-Apr-2015 08:51:30	Instrument ID:	CHX.i	Operator ID:	wrd
Lims ID:	200-27725-A-6	Lab Sample ID:	200-27725-6	Worklist Smp#:	22
Client ID:	101IA0405GA				
Purge Vol:	200.000 mL	Dil. Factor:	5.0000	ALS Bottle#:	14
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		

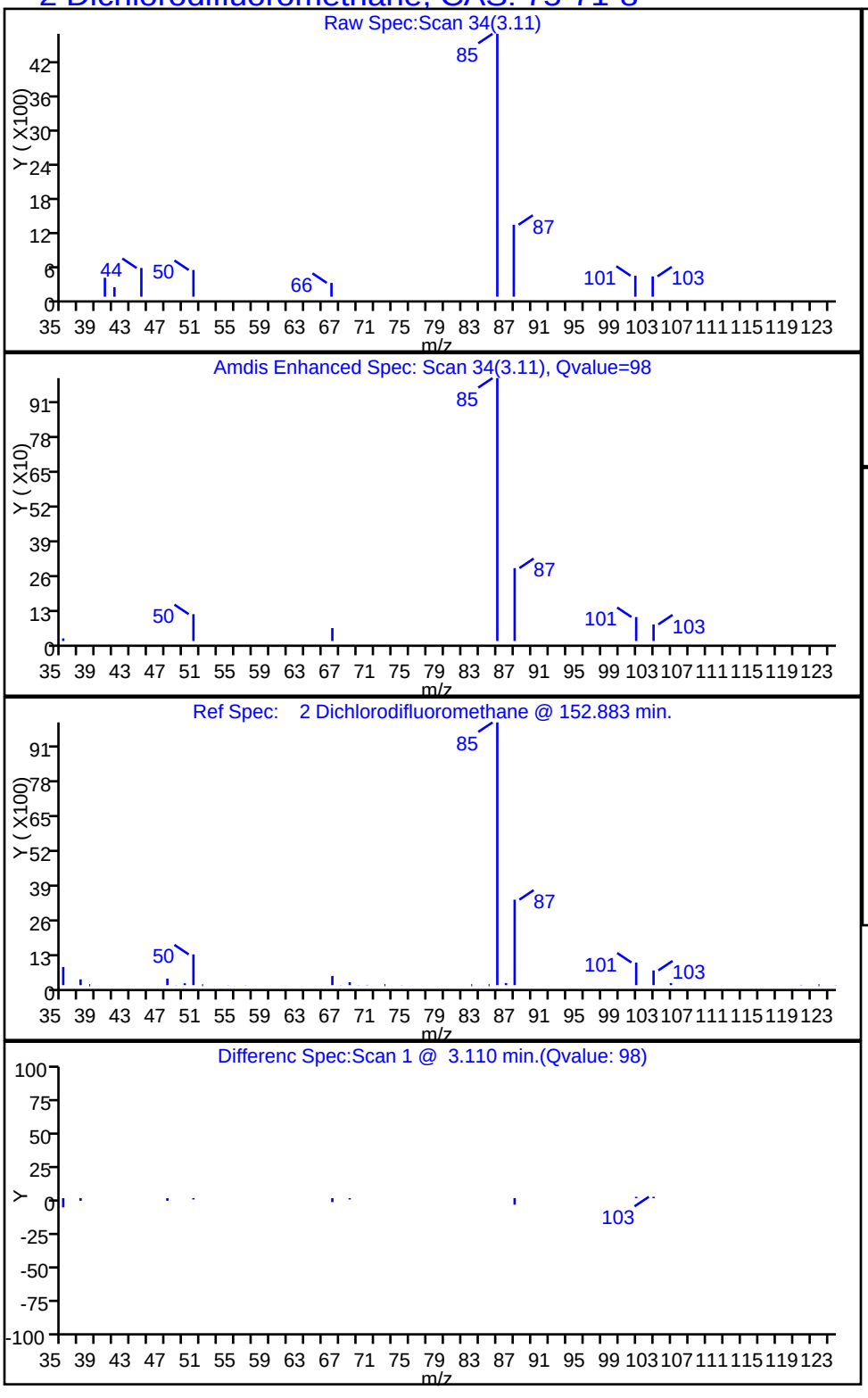
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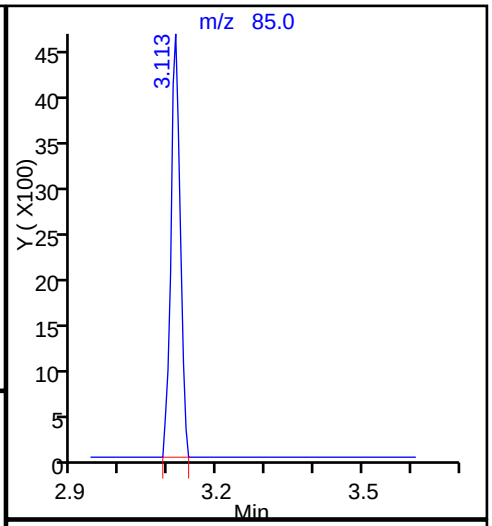


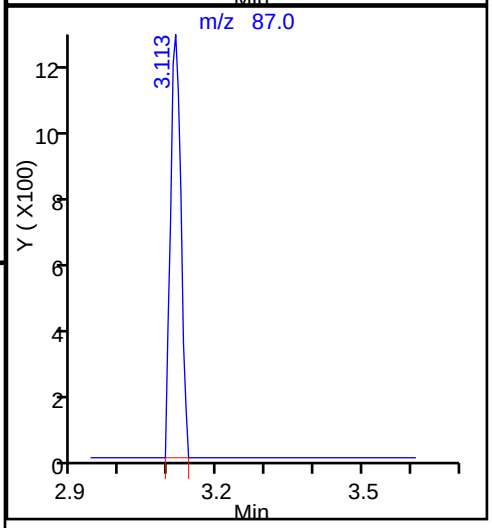
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHX.i\20150429-13349.b\13349-022.D
Injection Date: 30-Apr-2015 08:51:30 Instrument ID: CHX.i
Lims ID: 200-27725-A-6 Lab Sample ID: 200-27725-6
Client ID: 101IA0405GA
Operator ID: wrd ALS Bottle#: 14 Worklist Smp#: 22
Purge Vol: 200.000 mL Dil. Factor: 5.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

2 Dichlorodifluoromethane, CAS: 75-71-8



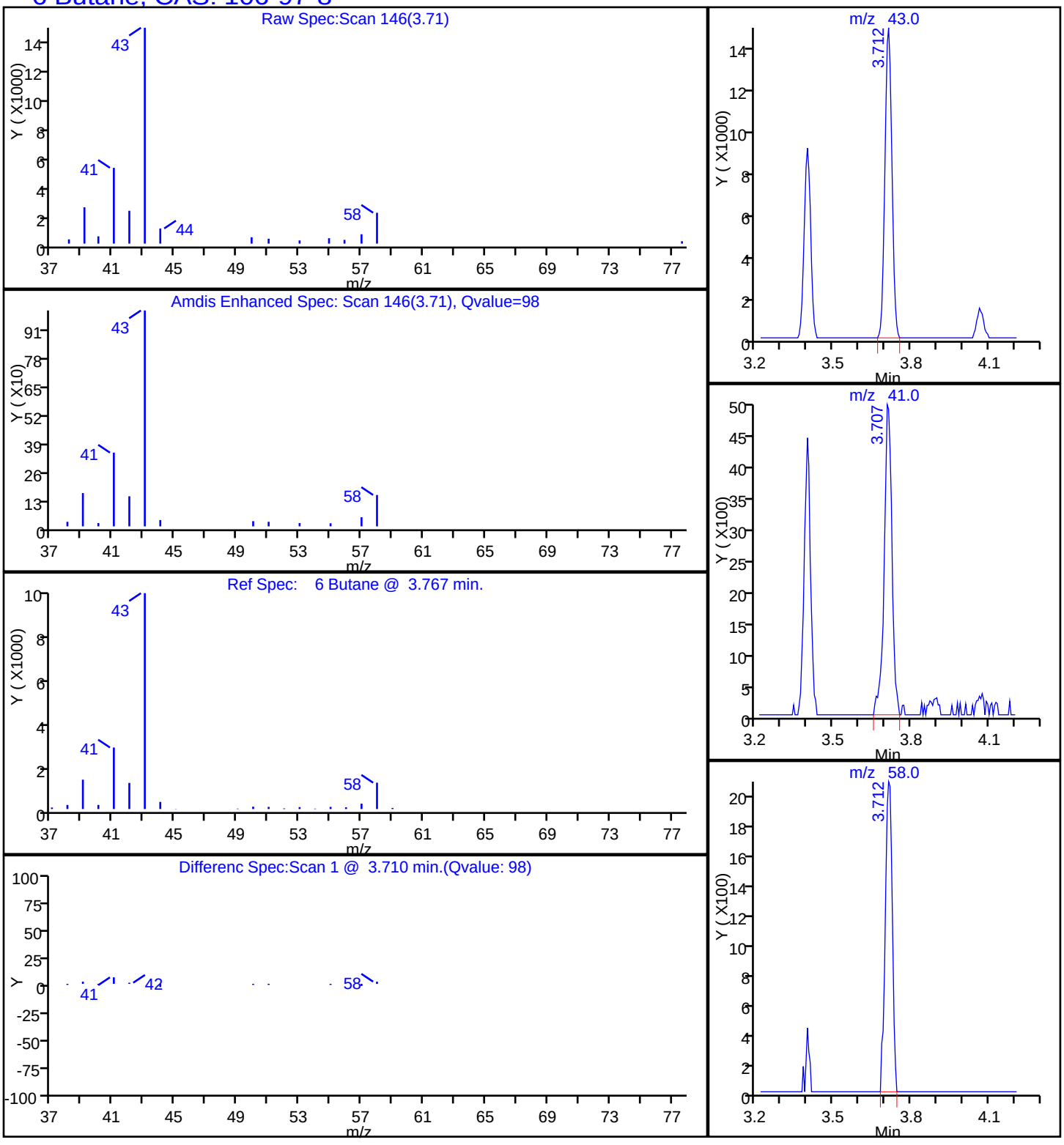




TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHX.i\20150429-13349.b\13349-022.D
Injection Date: 30-Apr-2015 08:51:30 Instrument ID: CHX.i
Lims ID: 200-27725-A-6 Lab Sample ID: 200-27725-6
Client ID: 101IA0405GA
Operator ID: wrd ALS Bottle#: 14 Worklist Smp#: 22
Purge Vol: 200.000 mL Dil. Factor: 5.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

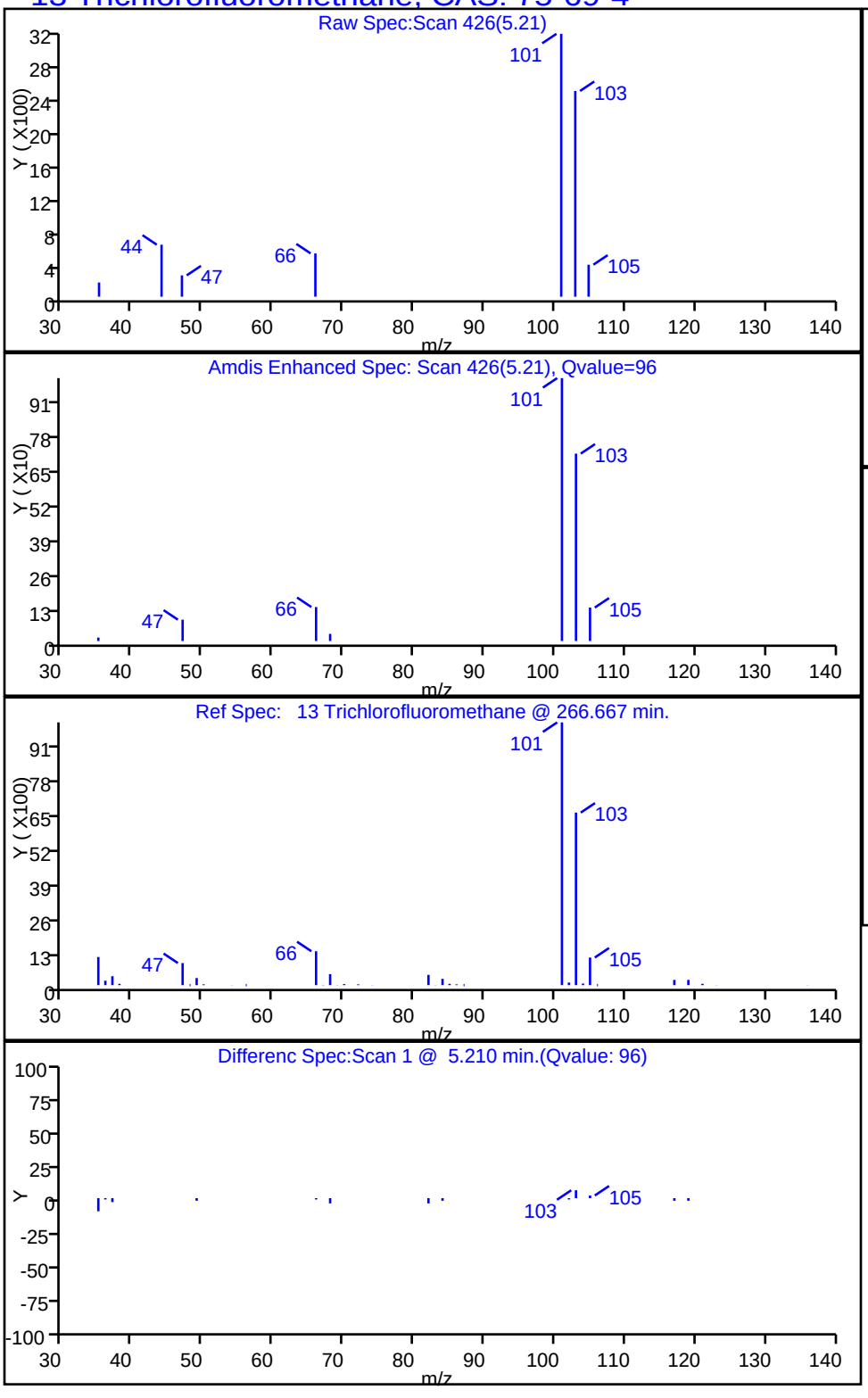
6 Butane, CAS: 106-97-8

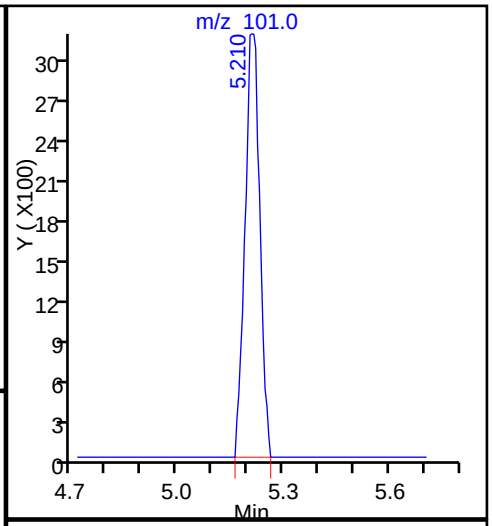


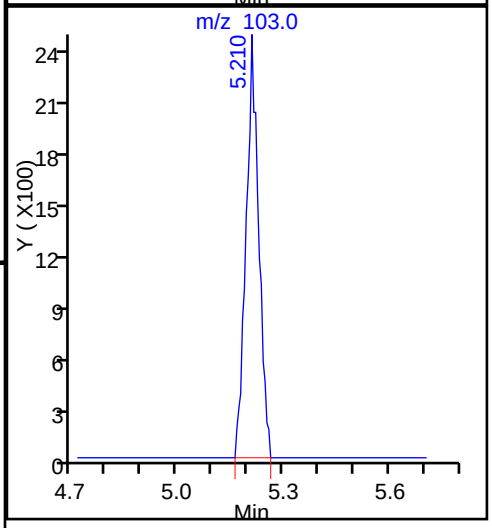
TestAmerica Burlington

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Injection Date: 30-Apr-2015 08:51:30 Instrument ID: CHX.i
Lims ID: 200-27725-A-6 Lab Sample ID: 200-27725-6
Client ID: 101IA0405GA
Operator ID: wrd ALS Bottle#: 14 Worklist Smp#: 22
Purge Vol: 200.000 mL Dil. Factor: 5.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

13 Trichlorofluoromethane, CAS: 75-69-4



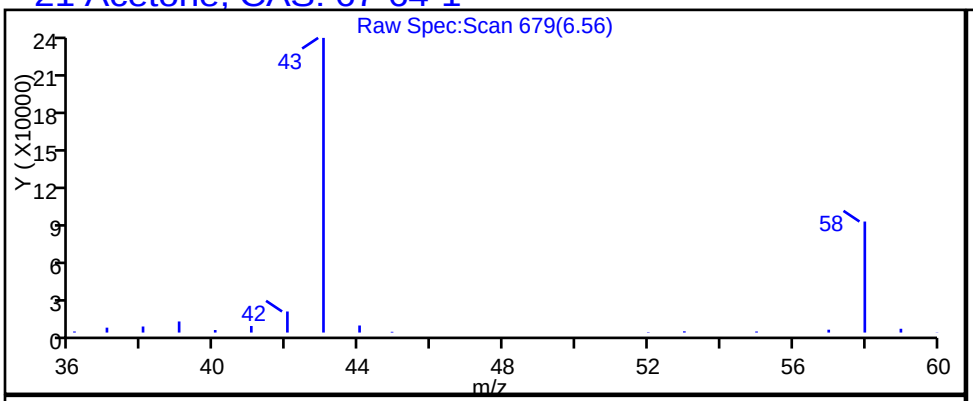


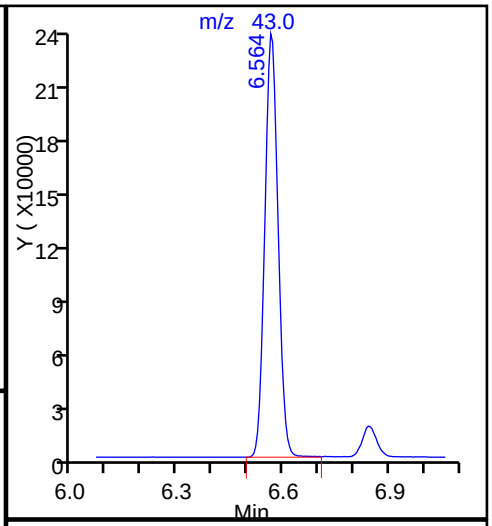


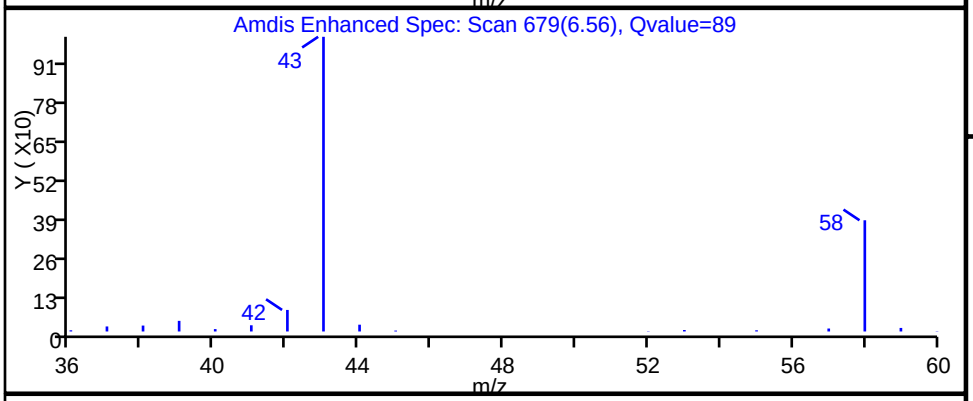
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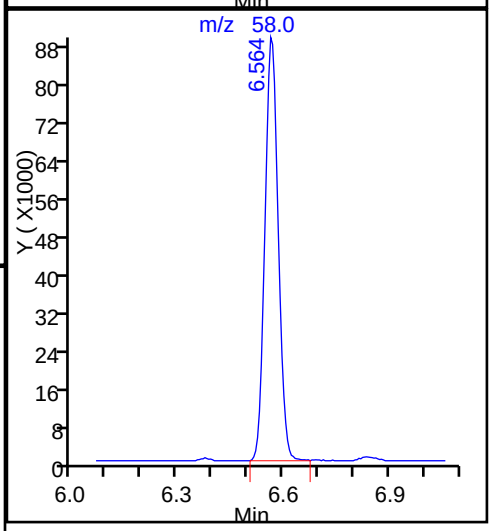
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Injection Date: 30-Apr-2015 08:51:30 Instrument ID: CHX.i
Lims ID: 200-27725-A-6 Lab Sample ID: 200-27725-6
Client ID: 101IA0405GA
Operator ID: wrd ALS Bottle#: 14 Worklist Smp#: 22
Purge Vol: 200.000 mL Dil. Factor: 5.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

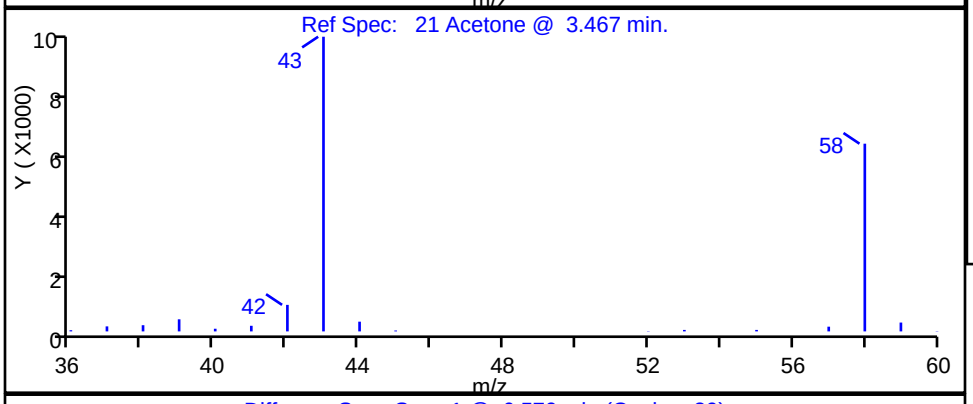
21 Acetone, CAS: 67-64-1

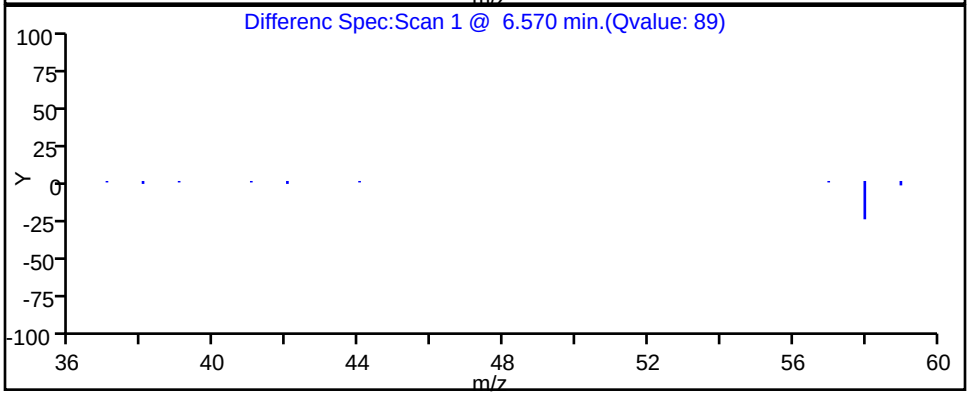








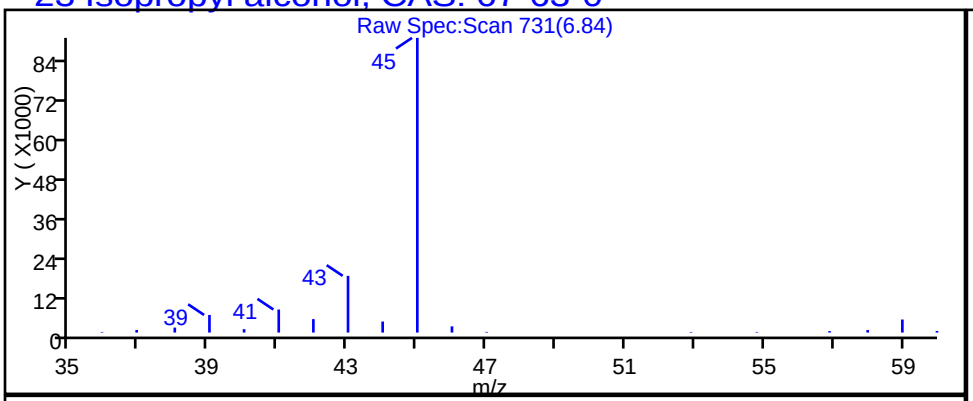


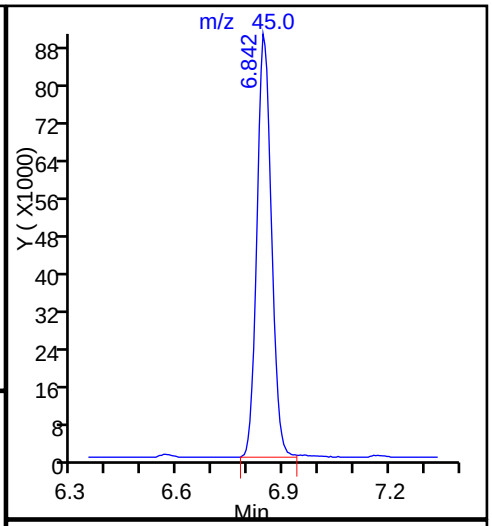


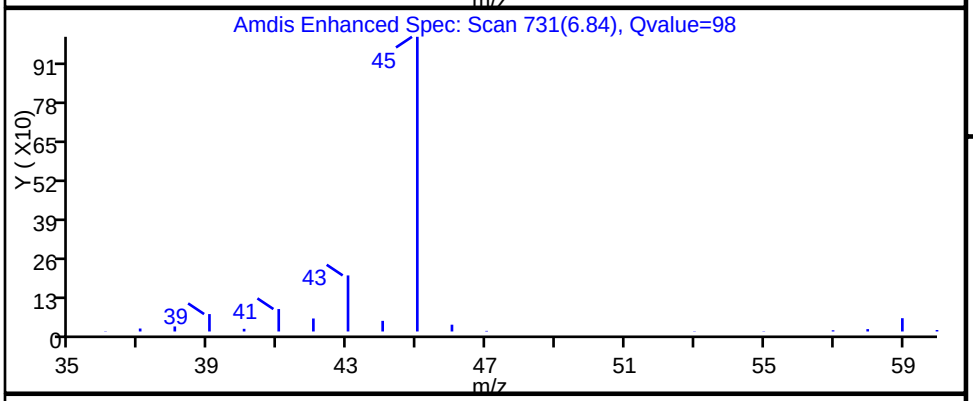
TestAmerica Burlington

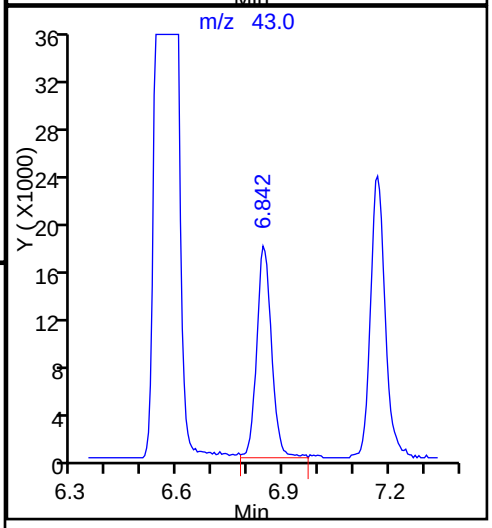
Data File: \\BTV-LIMS1\ChromData\CHX.i\20150429-13349.b\13349-022.D
Injection Date: 30-Apr-2015 08:51:30 Instrument ID: CHX.i
Lims ID: 200-27725-A-6 Lab Sample ID: 200-27725-6
Client ID: 101IA0405GA
Operator ID: wrd ALS Bottle#: 14 Worklist Smp#: 22
Purge Vol: 200.000 mL Dil. Factor: 5.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

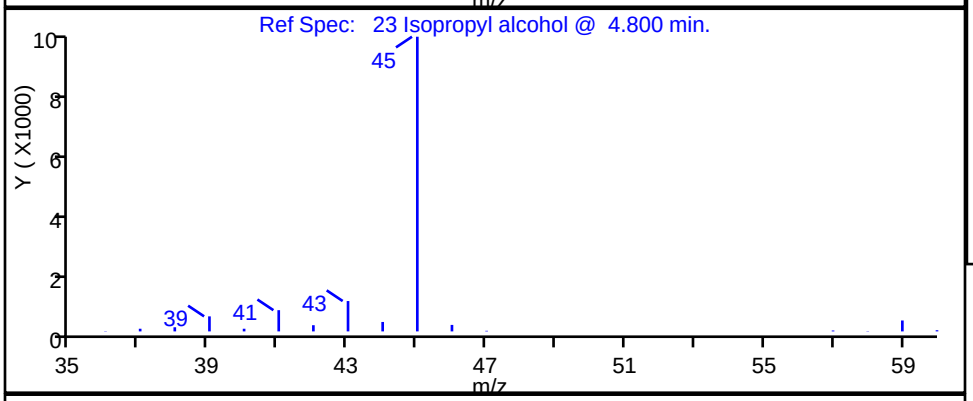
23 Isopropyl alcohol, CAS: 67-63-0

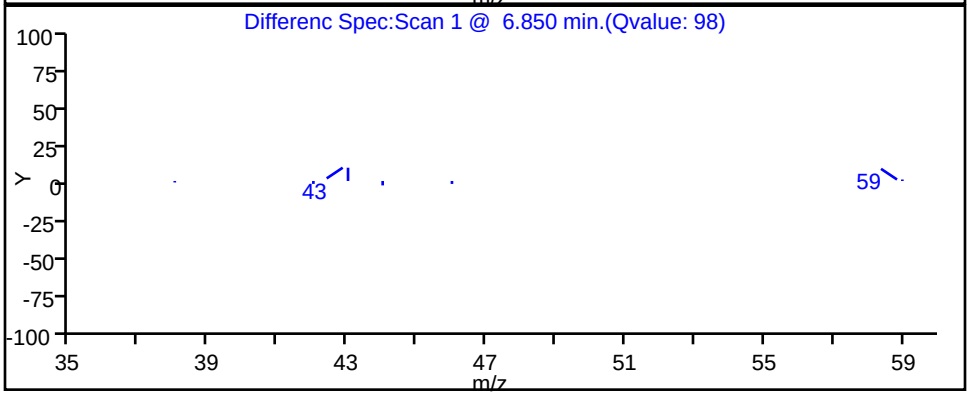








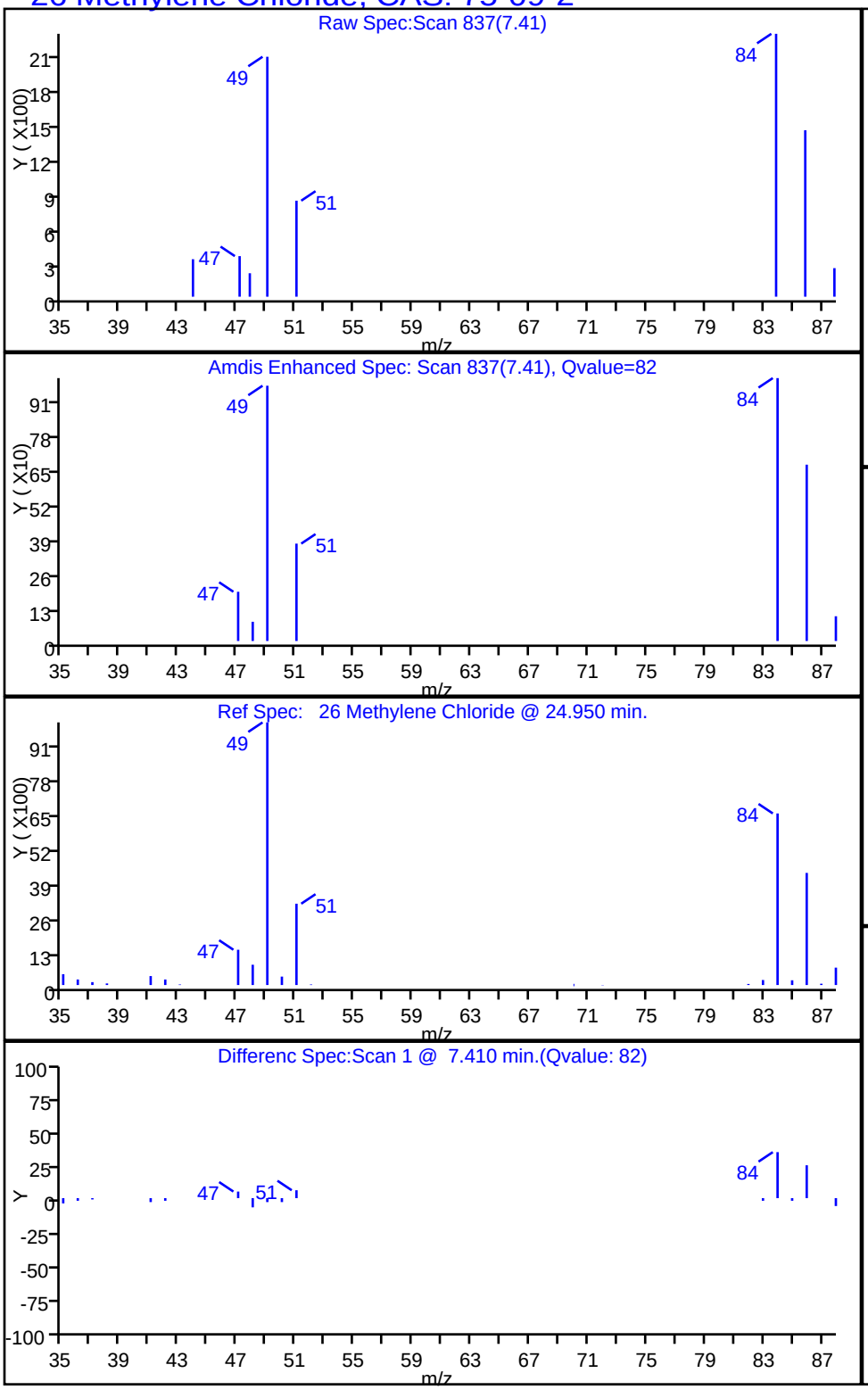


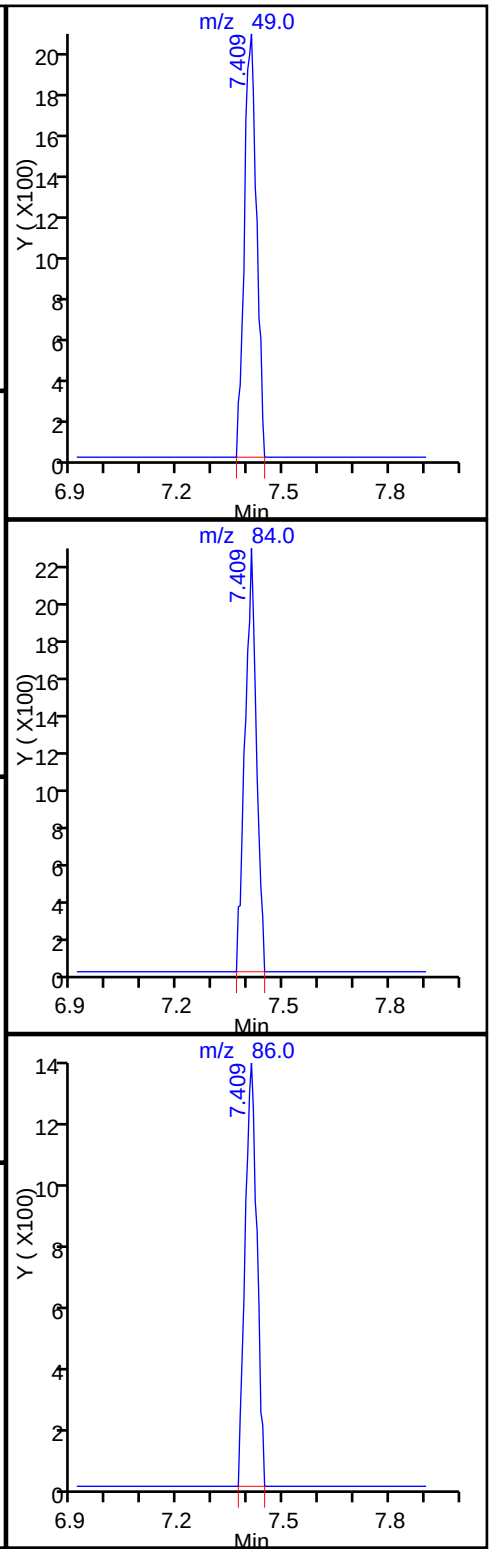


TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHX.i\20150429-13349.b\13349-022.D
Injection Date: 30-Apr-2015 08:51:30 Instrument ID: CHX.i
Lims ID: 200-27725-A-6 Lab Sample ID: 200-27725-6
Client ID: 101IA0405GA
Operator ID: wrd ALS Bottle#: 14 Worklist Smp#: 22
Purge Vol: 200.000 mL Dil. Factor: 5.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

26 Methylene Chloride, CAS: 75-09-2

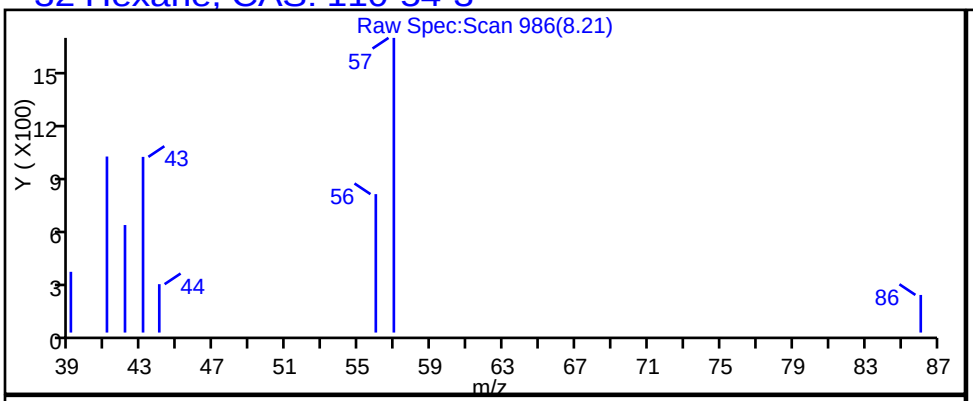


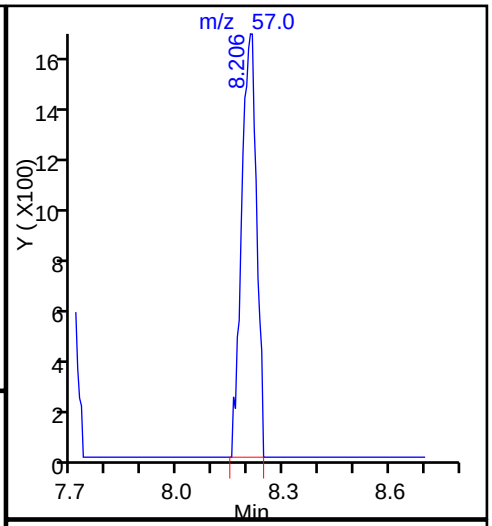


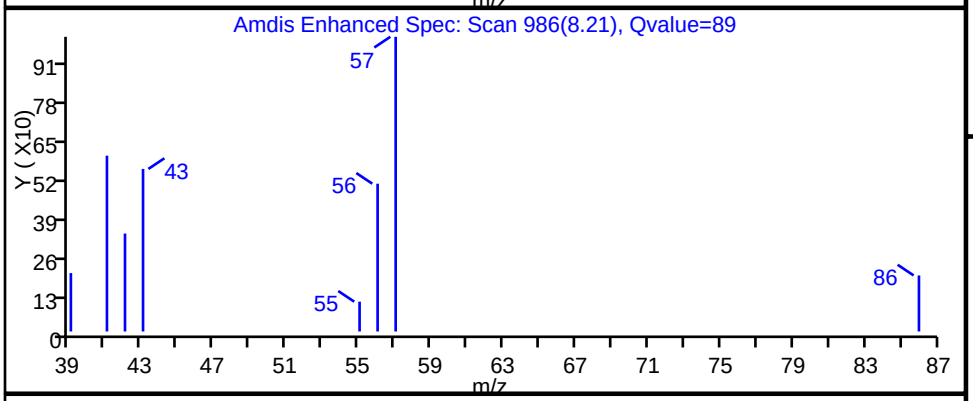
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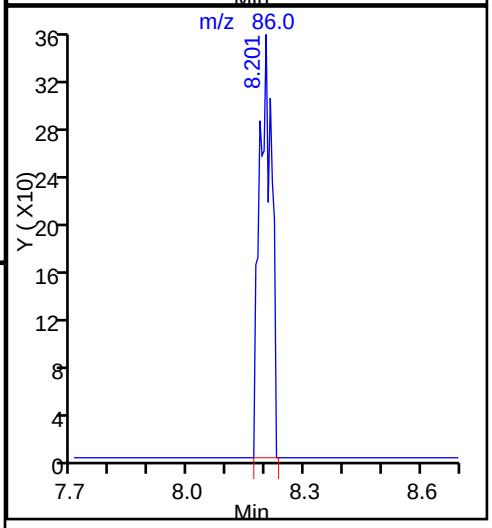
Data File:	\\BTV-LIMS1\ChromData\CHX.i\20150429-13349.b\13349-022.D				
Injection Date:	30-Apr-2015 08:51:30	Instrument ID:	CHX.i		
Lims ID:	200-27725-A-6	Lab Sample ID:	200-27725-6		
Client ID:	101IA0405GA				
Operator ID:	wrd	ALS Bottle#:	14	Worklist Smp#:	22
Purge Vol:	200.000 mL	Dil. Factor:	5.0000		
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

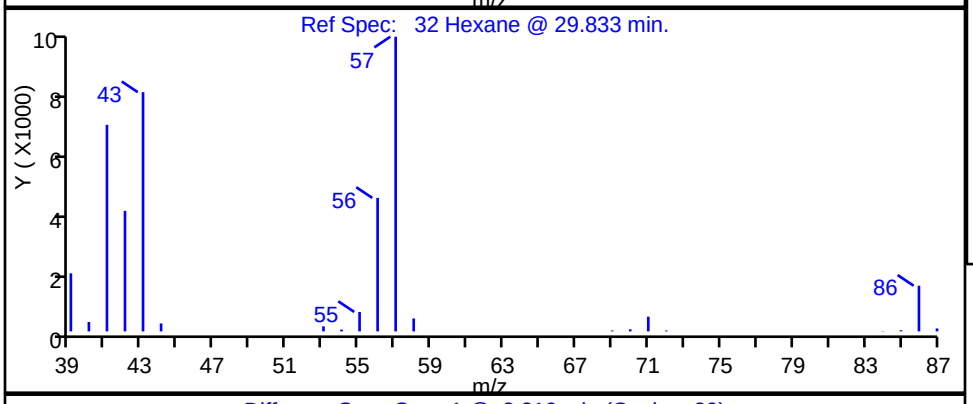
32 Hexane, CAS: 110-54-3

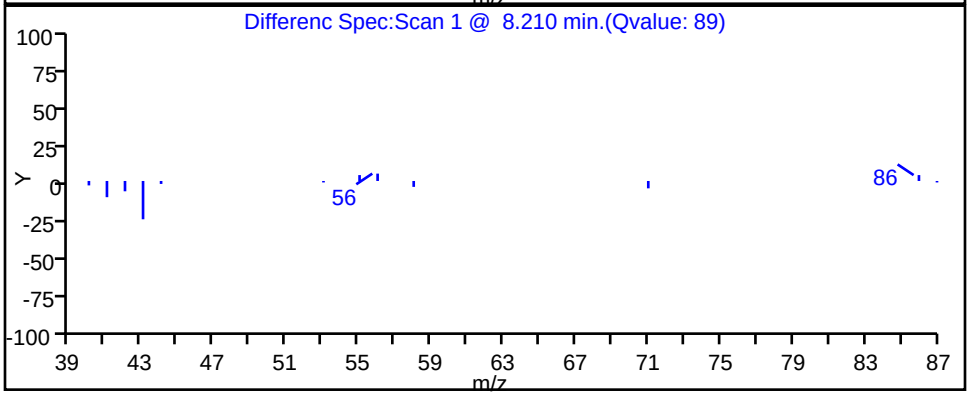








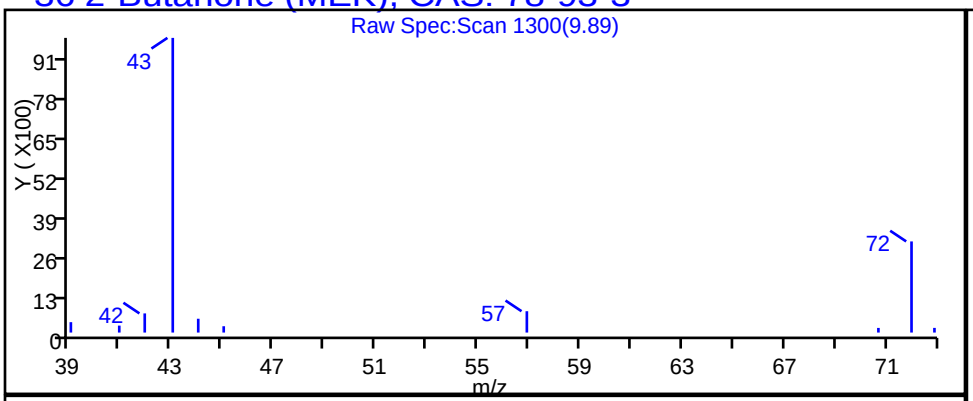


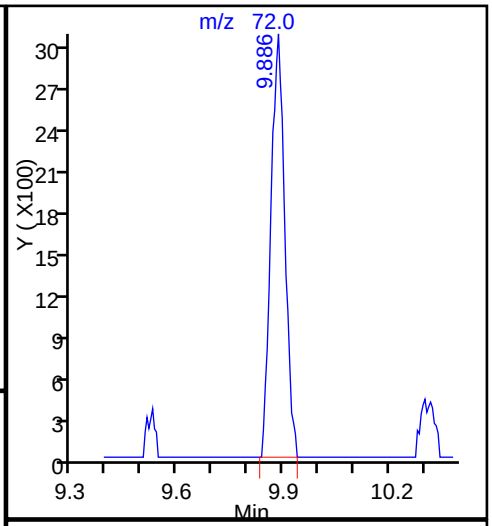


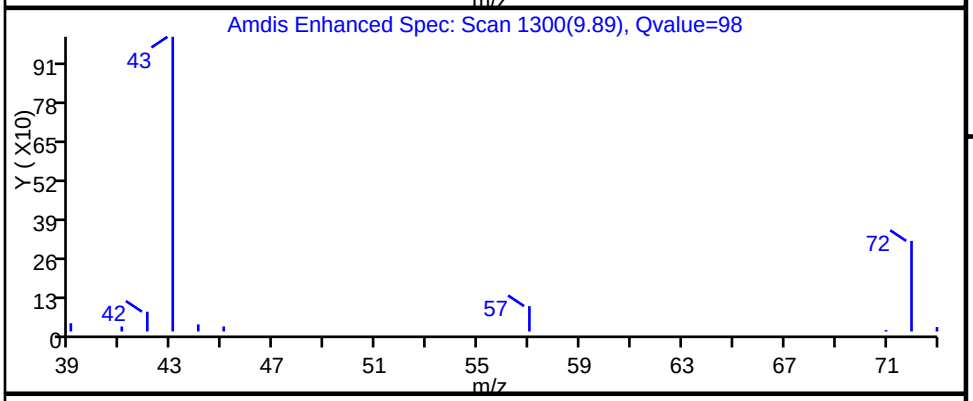
TestAmerica Burlington

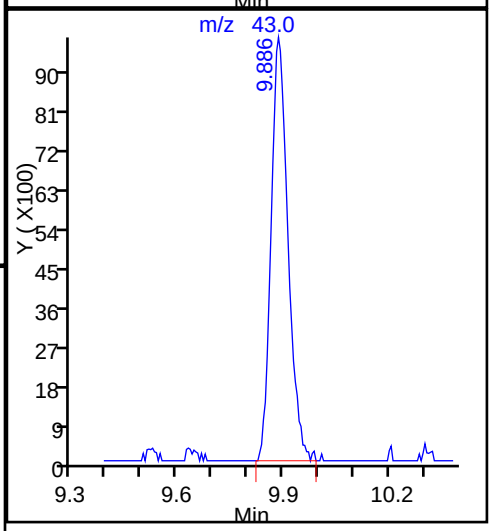
Data File: \\BTV-LIMS1\ChromData\CHX.i\20150429-13349.b\13349-022.D
Injection Date: 30-Apr-2015 08:51:30 Instrument ID: CHX.i
Lims ID: 200-27725-A-6 Lab Sample ID: 200-27725-6
Client ID: 101IA0405GA
Operator ID: wrd ALS Bottle#: 14 Worklist Smp#: 22
Purge Vol: 200.000 mL Dil. Factor: 5.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

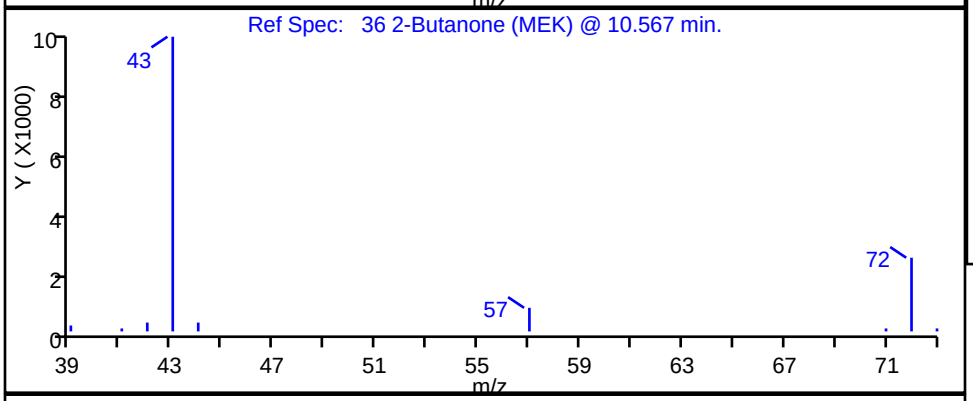
36 2-Butanone (MEK), CAS: 78-93-3

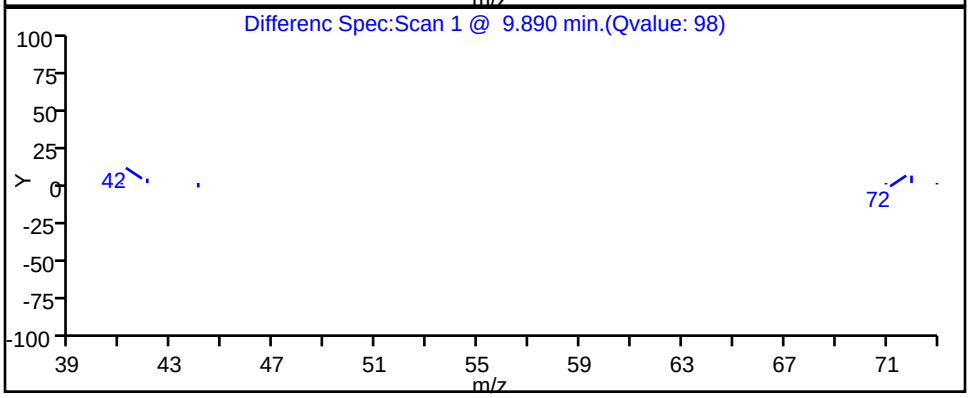






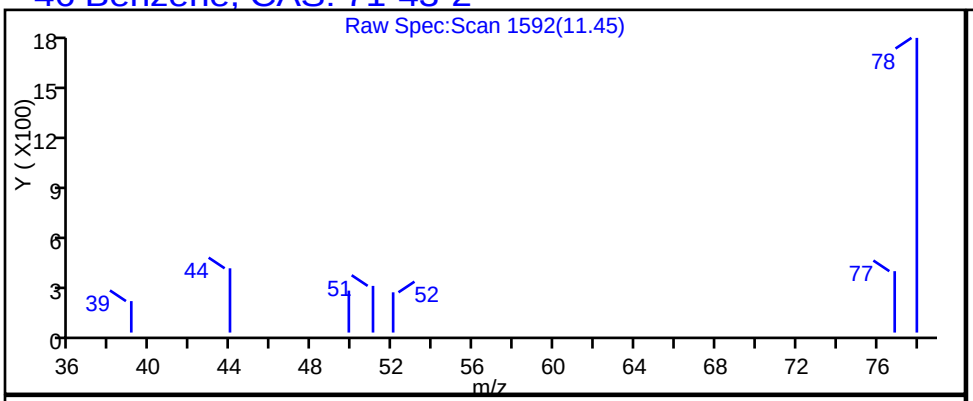


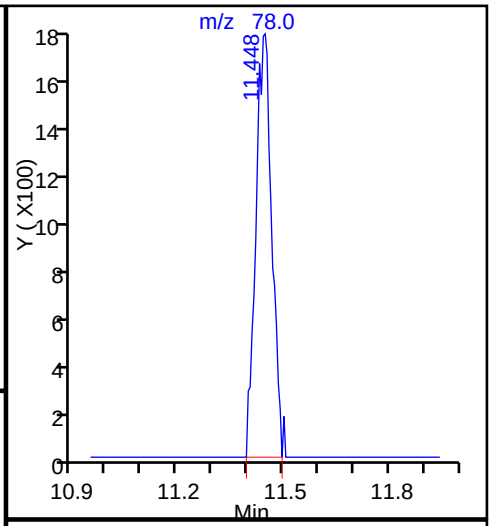


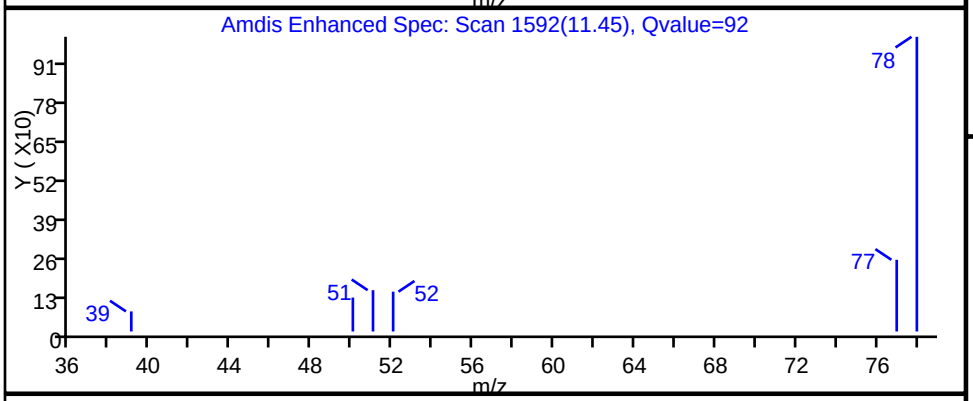


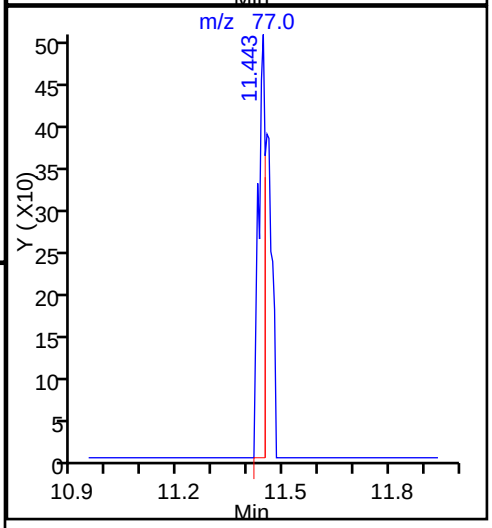
Data File: \\BTV-LIMS1\ChromData\CHX.i\20150429-13349.b\13349-022.D
Injection Date: 30-Apr-2015 08:51:30 Instrument ID: CHX.i
Lims ID: 200-27725-A-6 Lab Sample ID: 200-27725-6
Client ID: 101IA0405GA
Operator ID: wrd ALS Bottle#: 14 Worklist Smp#: 22
Purge Vol: 200.000 mL Dil. Factor: 5.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

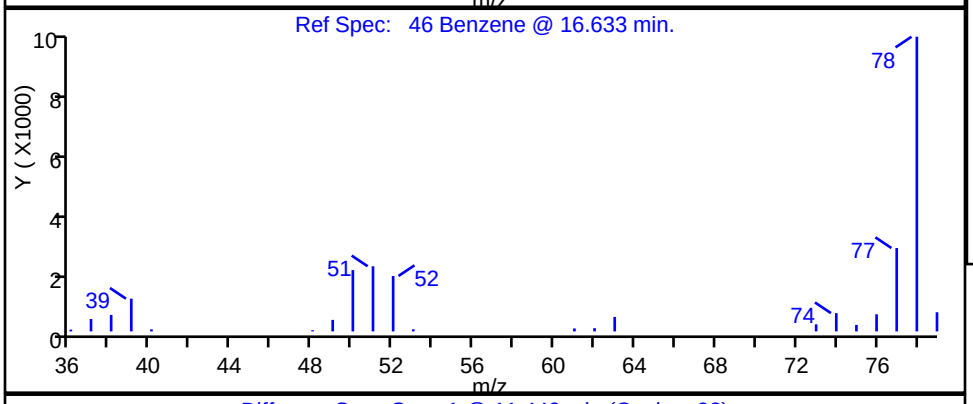
46 Benzene, CAS: 71-43-2

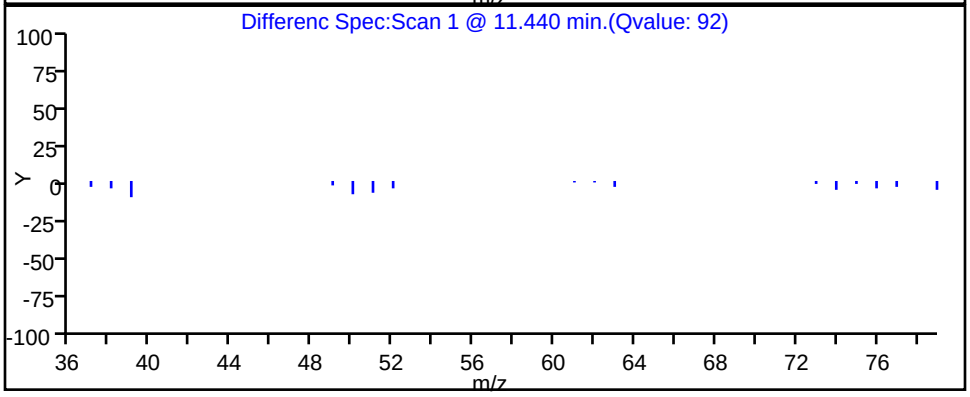










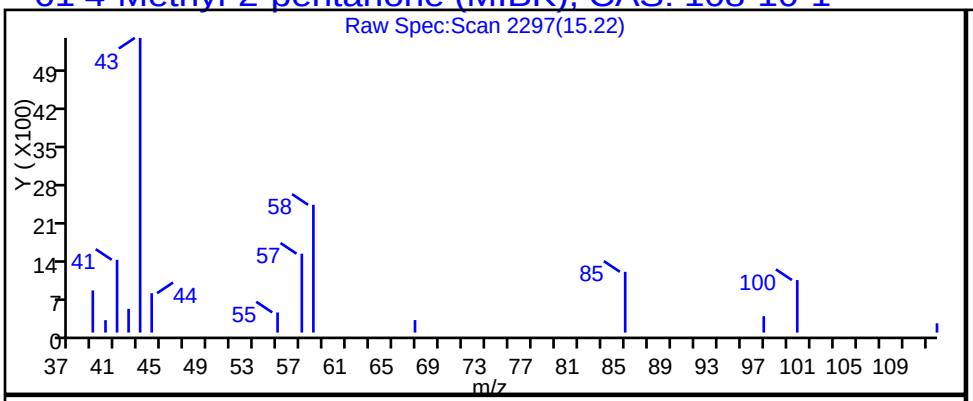


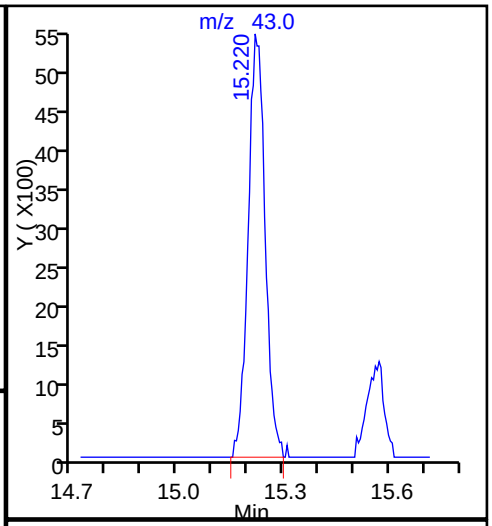
TestAmerica Burlington

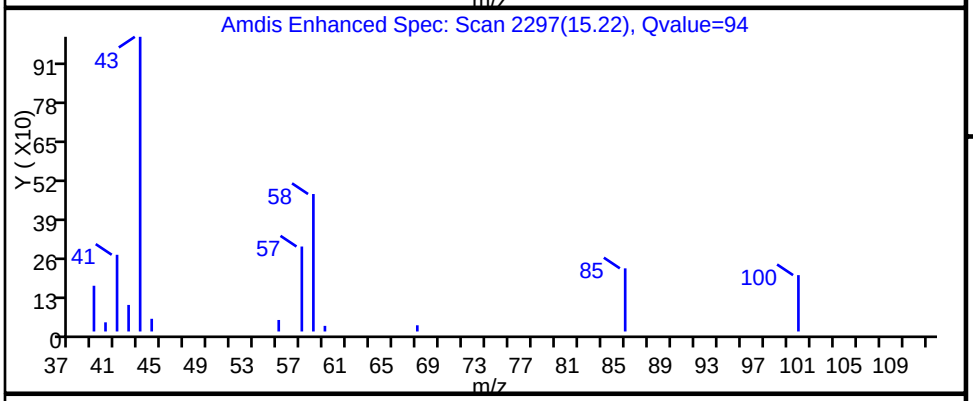
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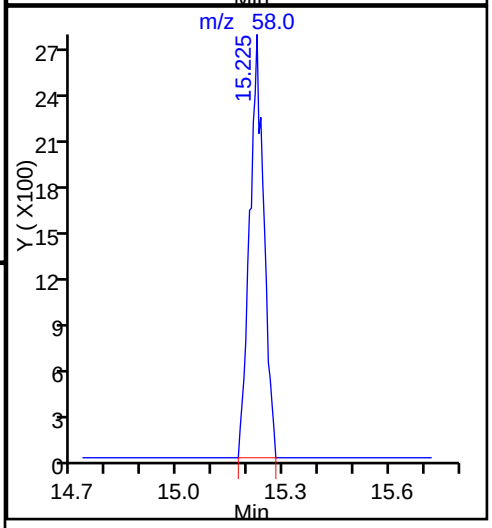
Injection Date:	30-Apr-2015 08:51:30	Instrument ID:	CHX.i		
Lims ID:	200-27725-A-6	Lab Sample ID:	200-27725-6		
Client ID:	101IA0405GA				
Operator ID:	wrd	ALS Bottle#:	14	Worklist Smp#:	22
Purge Vol:	200.000 mL	Dil. Factor:	5.0000		
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

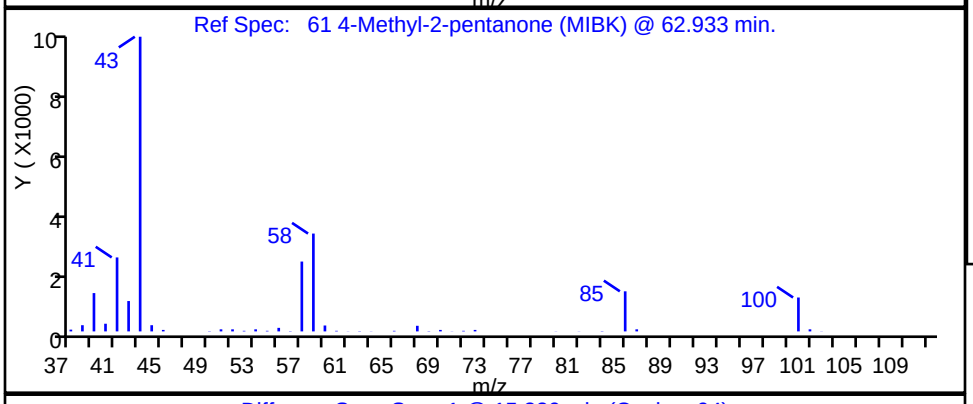
61 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

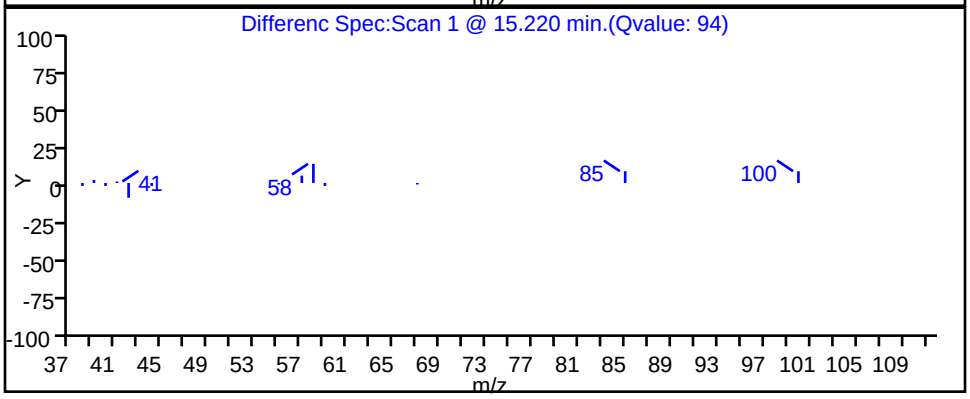








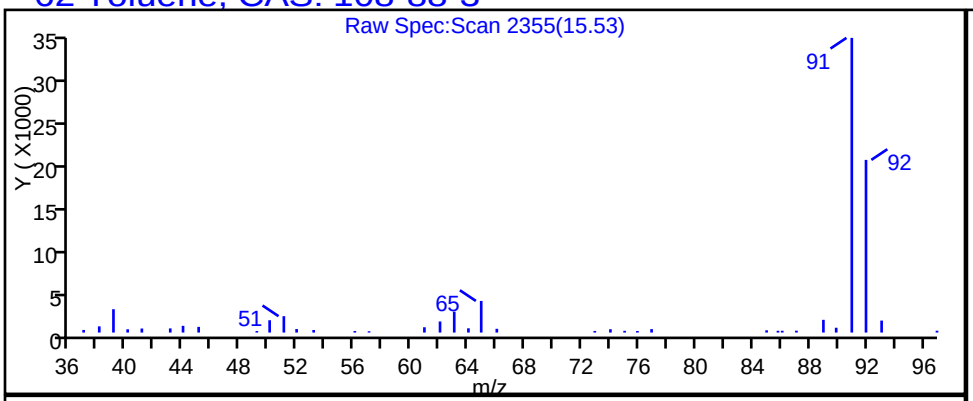


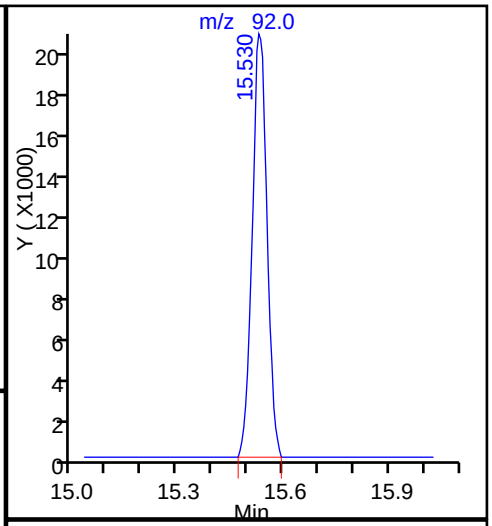


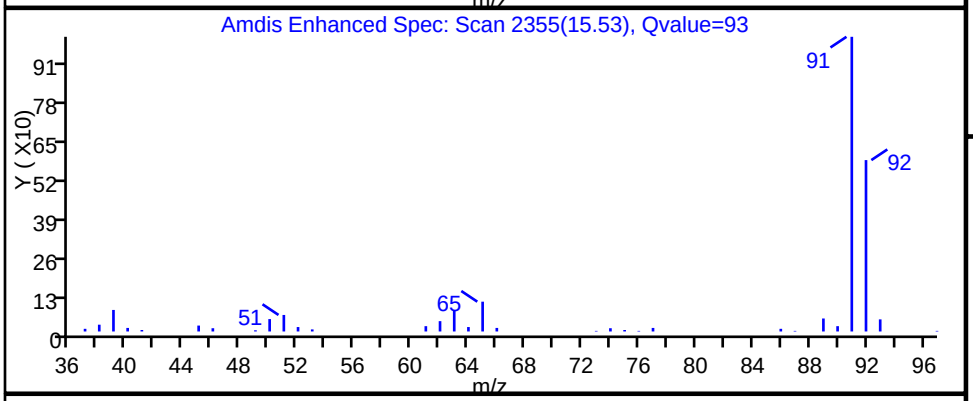
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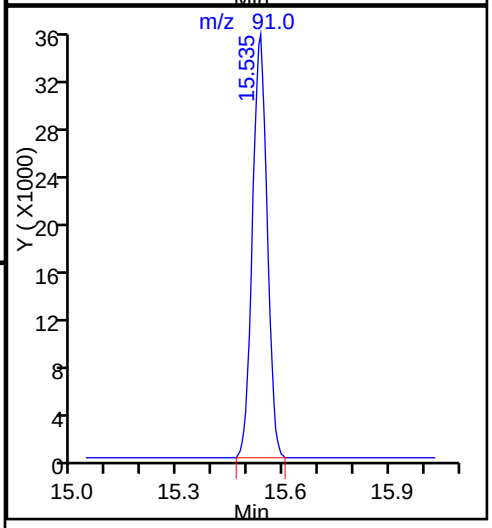
Data File: \\BTV-LIMS1\ChromData\CHX.i\20150429-13349.b\13349-022.D
Injection Date: 30-Apr-2015 08:51:30 Instrument ID: CHX.i
Lims ID: 200-27725-A-6 Lab Sample ID: 200-27725-6
Client ID: 101IA0405GA
Operator ID: wrd ALS Bottle#: 14 Worklist Smp#: 22
Purge Vol: 200.000 mL Dil. Factor: 5.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

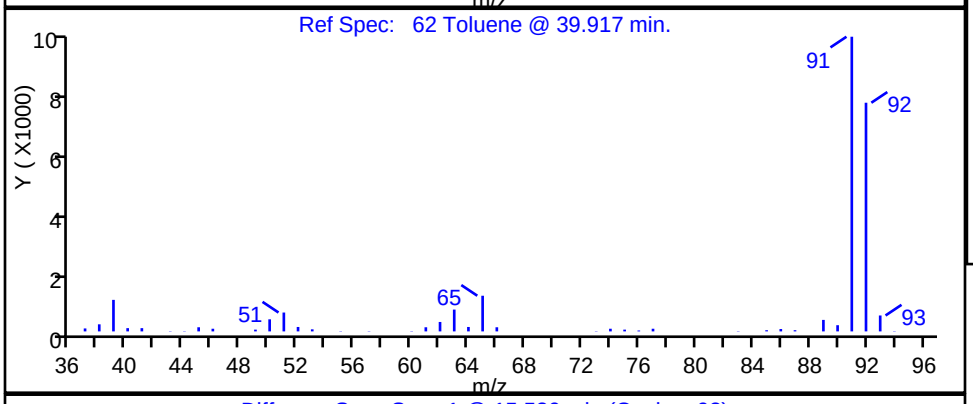
62 Toluene, CAS: 108-88-3

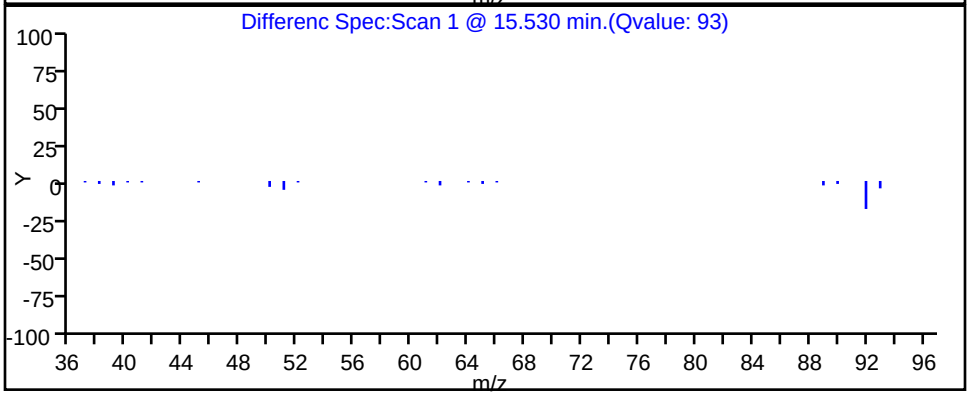








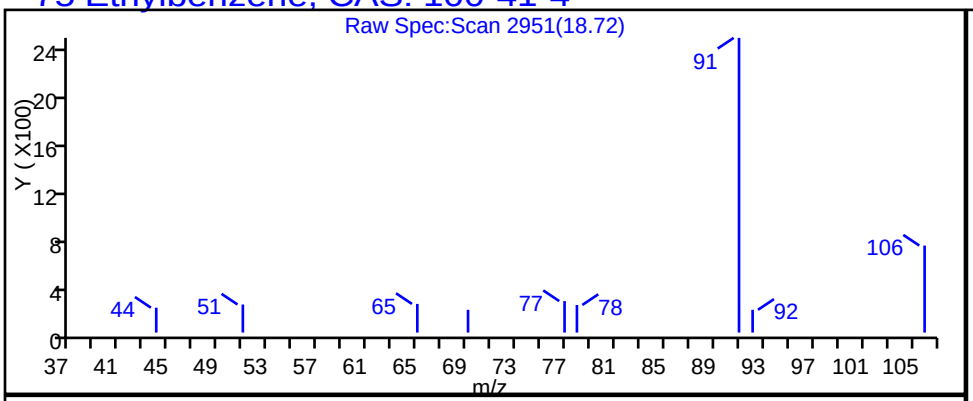


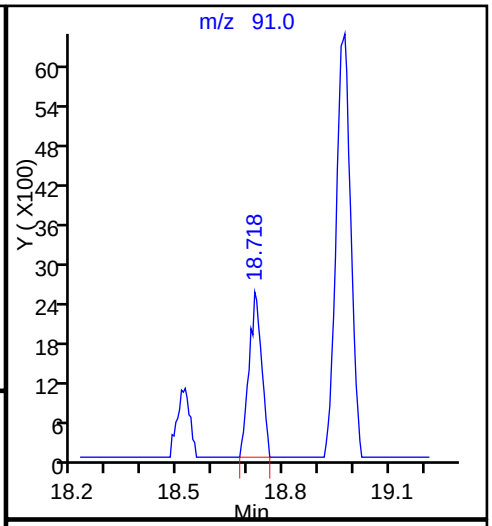


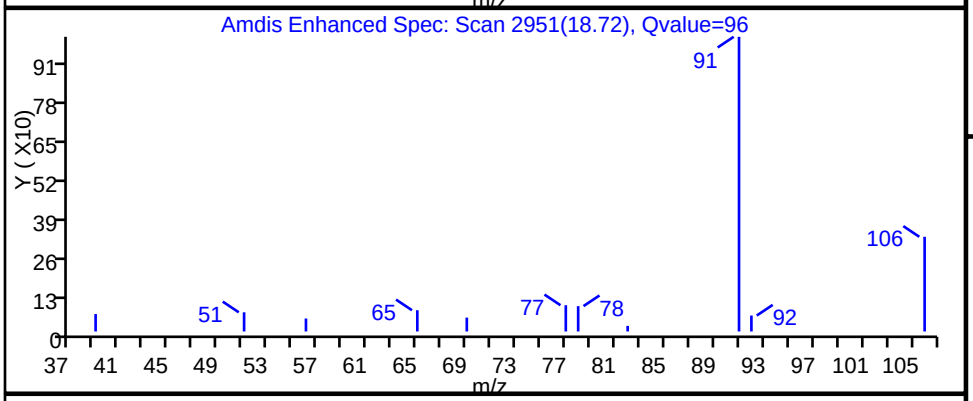
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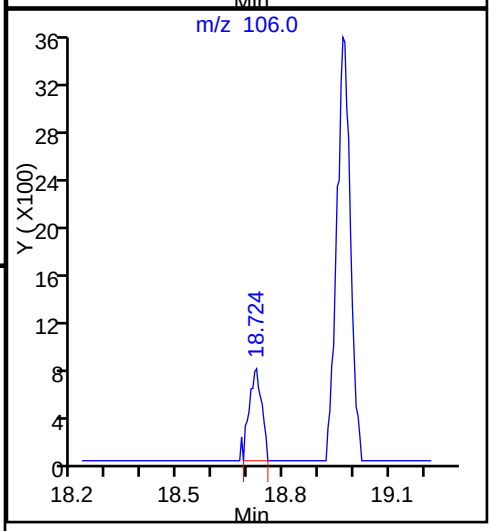
Data File: \\BTV-LIMS1\ChromData\CHX.i\20150429-13349.b\13349-022.D
Injection Date: 30-Apr-2015 08:51:30 Instrument ID: CHX.i
Lims ID: 200-27725-A-6 Lab Sample ID: 200-27725-6
Client ID: 101IA0405GA
Operator ID: wrd ALS Bottle#: 14 Worklist Smp#: 22
Purge Vol: 200.000 mL Dil. Factor: 5.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

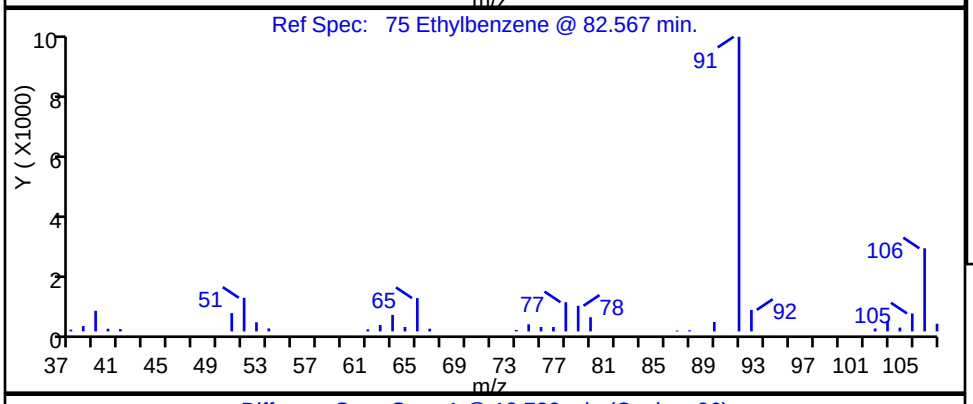
75 Ethylbenzene, CAS: 100-41-4

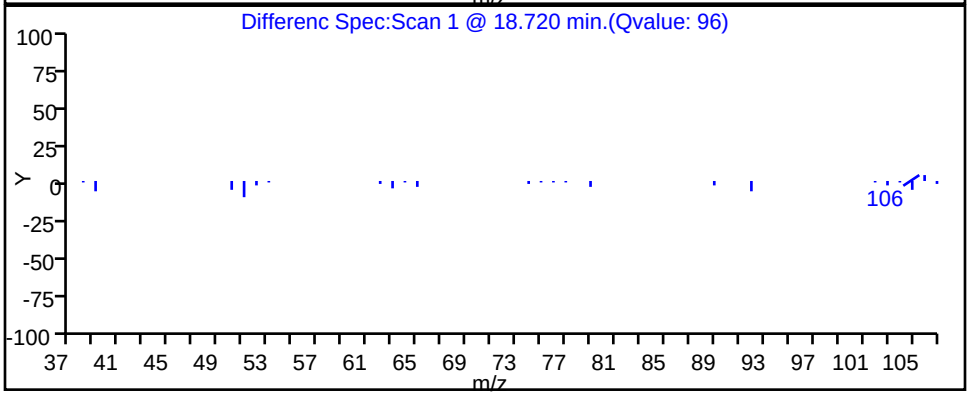








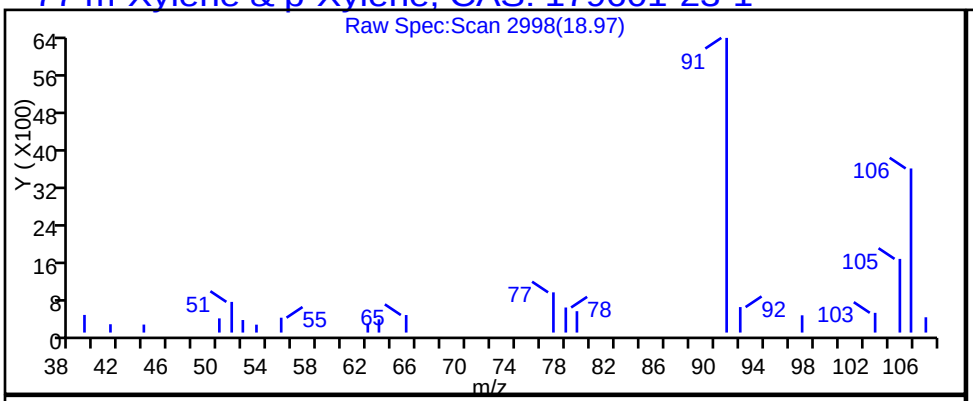


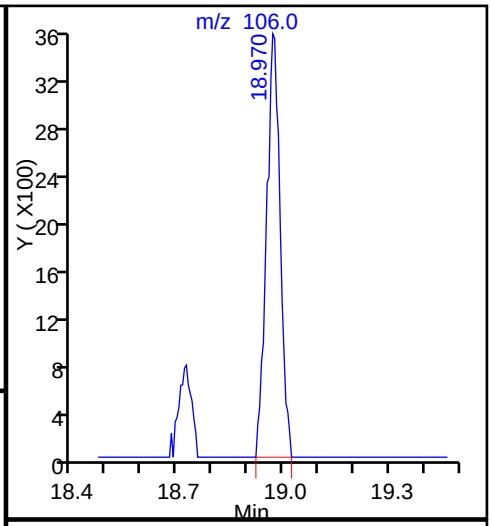


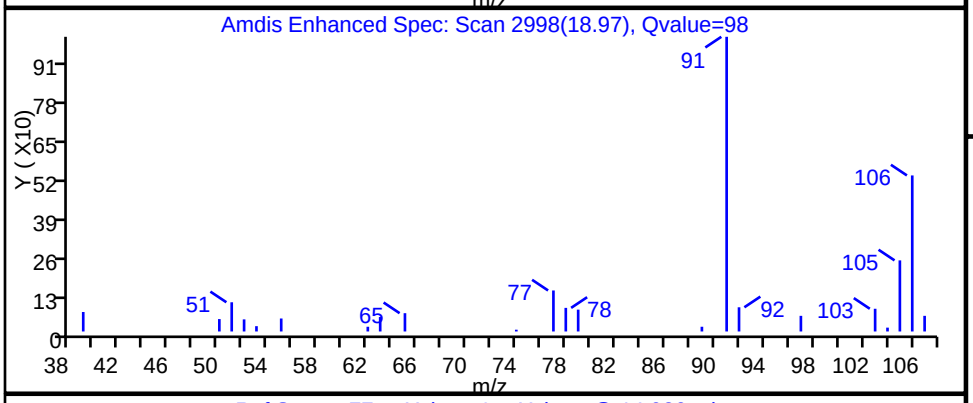
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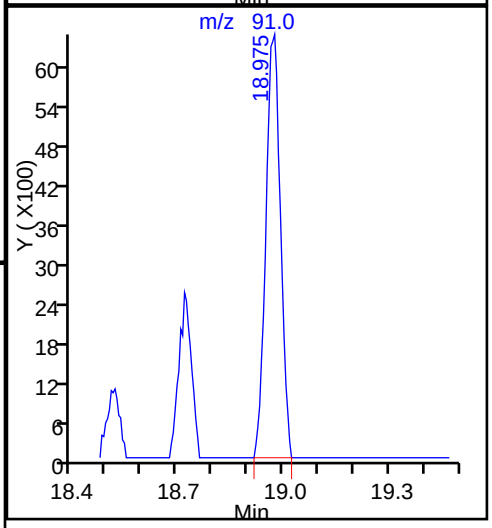
Data File:	\\BTV-LIMS1\ChromData\CHX.i\20150429-13349.b\13349-022.D				
Injection Date:	30-Apr-2015 08:51:30	Instrument ID:	CHX.i		
Lims ID:	200-27725-A-6	Lab Sample ID:	200-27725-6		
Client ID:	101IA0405GA				
Operator ID:	wrd	ALS Bottle#:	14	Worklist Smp#:	22
Purge Vol:	200.000 mL	Dil. Factor:	5.0000		
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

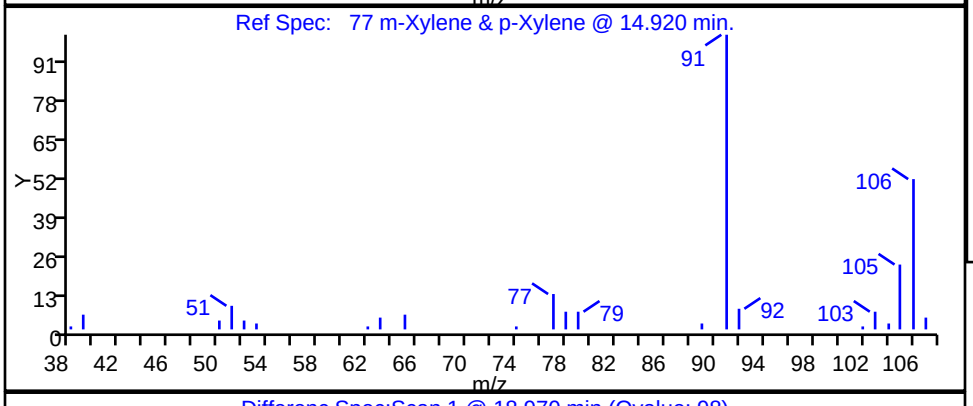
77 m-Xylene & p-Xylene, CAS: 179601-23-1

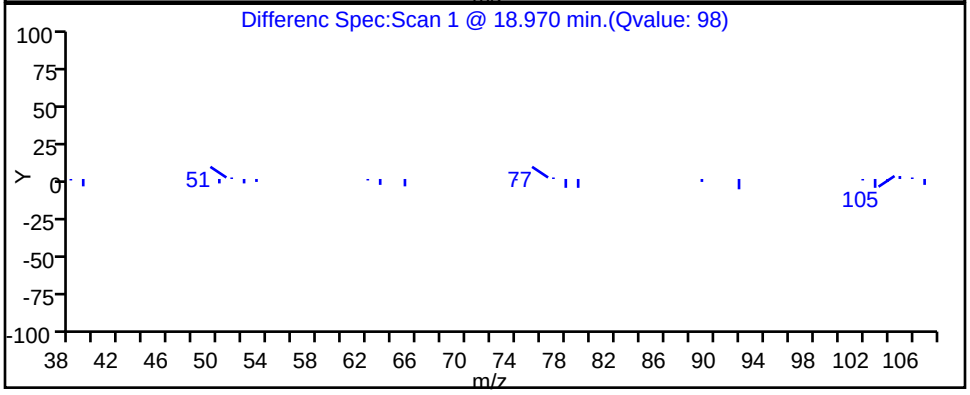








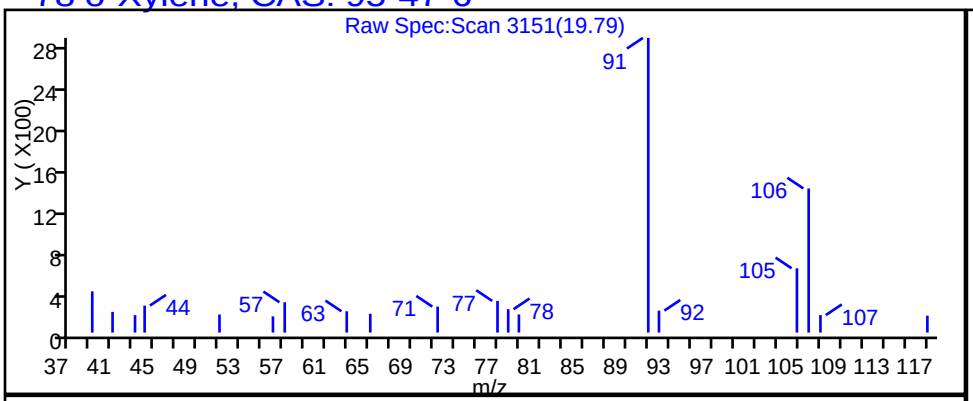


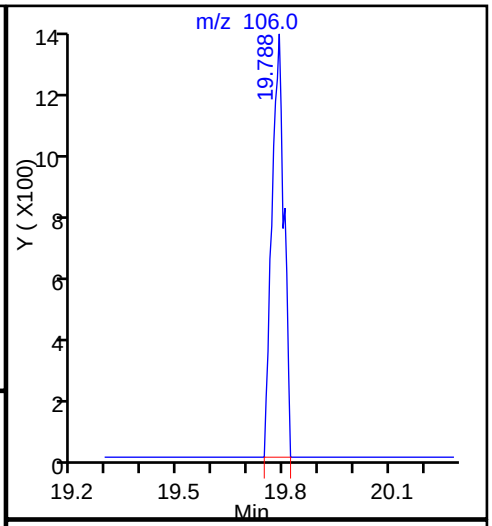


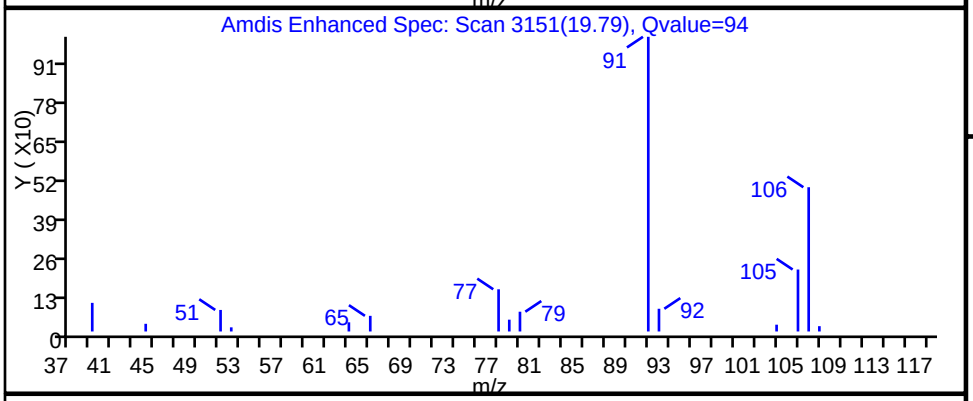
TestAmerica Burlington

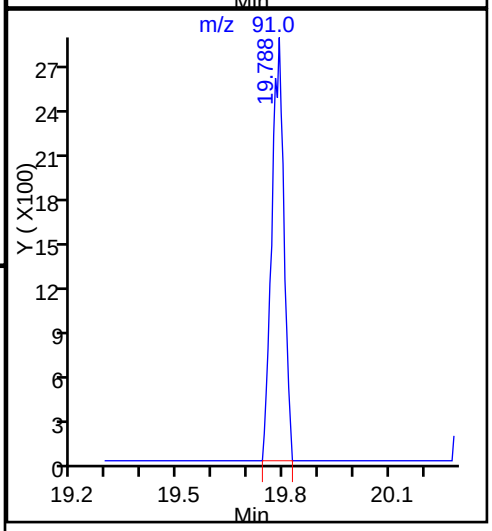
Data File: \\BTV-LIMS1\ChromData\CHX.i\20150429-13349.b\13349-022.D
Injection Date: 30-Apr-2015 08:51:30 Instrument ID: CHX.i
Lims ID: 200-27725-A-6 Lab Sample ID: 200-27725-6
Client ID: 101IA0405GA
Operator ID: wrd ALS Bottle#: 14 Worklist Smp#: 22
Purge Vol: 200.000 mL Dil. Factor: 5.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

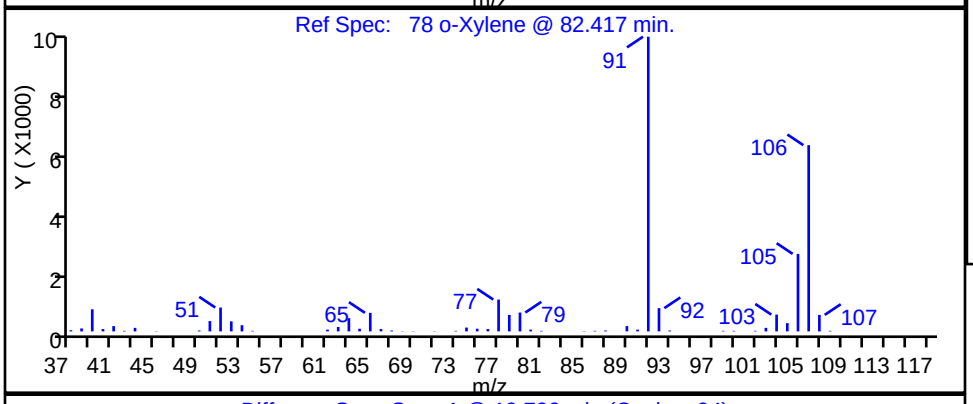
78 o-Xylene, CAS: 95-47-6

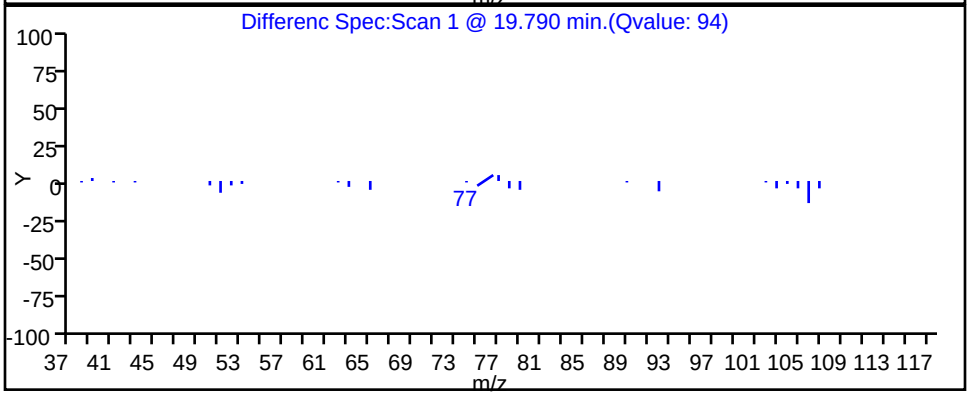








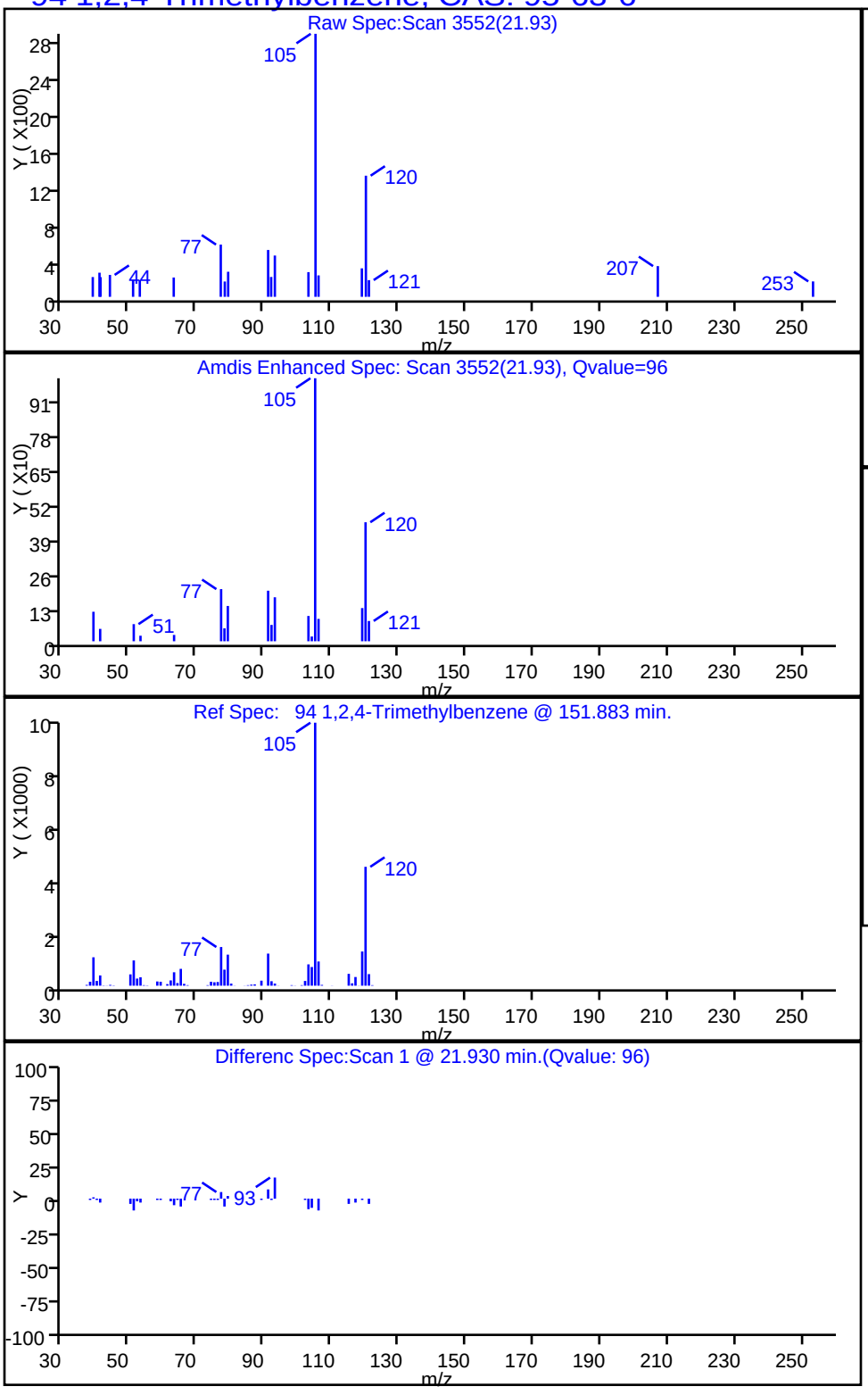


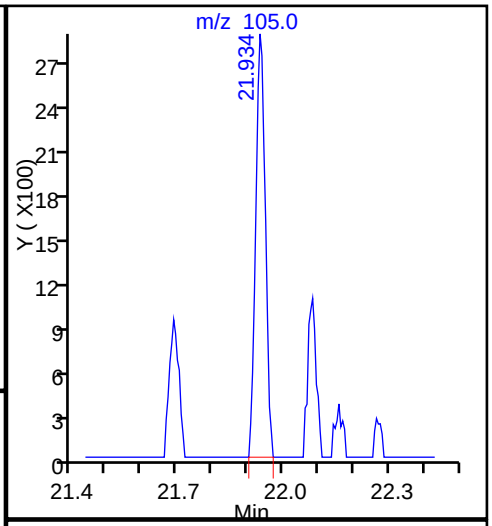


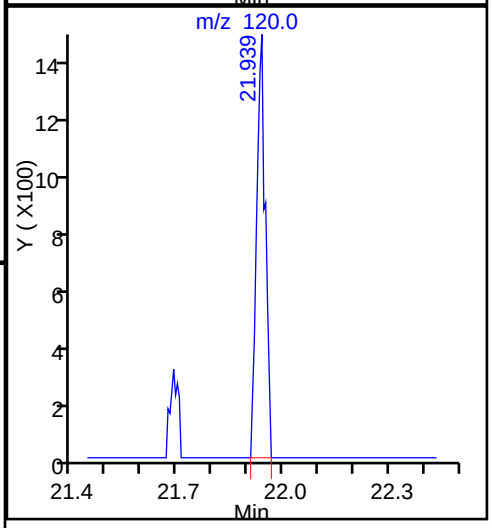
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHX.i\20150429-13349.b\13349-022.D
Injection Date: 30-Apr-2015 08:51:30 Instrument ID: CHX.i
Lims ID: 200-27725-A-6 Lab Sample ID: 200-27725-6
Client ID: 101IA0405GA
Operator ID: wrd ALS Bottle#: 14 Worklist Smp#: 22
Purge Vol: 200.000 mL Dil. Factor: 5.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

94 1,2,4-Trimethylbenzene, CAS: 95-63-6







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

Lab Name: TestAmerica Burlington Job No.: 200-27725-1

SDG No.:

Client Sample ID: 101OA0305GA Lab Sample ID: 200-27725-7

Matrix: Air Lab File ID: 13349-016.D

Analysis Method: TO-15 Date Collected: 04/23/2015 11:20

Sample wt/vol: 200(mL) Date Analyzed: 04/29/2015 23:23

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 87597 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	0.46	J	0.50	0.056
75-45-6	Freon 22	86.47	0.25	J	0.50	0.080
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.080	U	0.20	0.052
74-87-3	Chloromethane	50.49	0.59		0.50	0.060
106-97-8	n-Butane	58.12	0.20	U	0.50	0.18
75-01-4	Vinyl chloride	62.50	0.030	U	0.20	0.026
106-99-0	1,3-Butadiene	54.09	0.080	U	0.20	0.036
74-83-9	Bromomethane	94.94	0.080	U	0.20	0.044
75-00-3	Chloroethane	64.52	0.080	U	0.50	0.061
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.030	U	0.20	0.020
75-69-4	Trichlorofluoromethane	137.37	0.21		0.20	0.045
76-13-1	Freon TF	187.38	0.078	J	0.20	0.041
75-35-4	1,1-Dichloroethene	96.94	0.030	U	0.20	0.010
67-64-1	Acetone	58.08	2.5	U	5.0	0.69
67-63-0	Isopropyl alcohol	60.10	0.50	U	5.0	0.15
75-15-0	Carbon disulfide	76.14	0.080	U	0.50	0.030
107-05-1	3-Chloropropene	76.53	0.20	U	0.50	0.16
75-09-2	Methylene Chloride	84.93	0.25	J	0.50	0.12
75-65-0	tert-Butyl alcohol	74.12	0.20	U	5.0	0.12
1634-04-4	Methyl tert-butyl ether	88.15	0.030	U	0.20	0.022
156-60-5	trans-1,2-Dichloroethene	96.94	0.030	U	0.20	0.027
110-54-3	n-Hexane	86.17	0.030	U	0.20	0.028
75-34-3	1,1-Dichloroethane	98.96	0.030	U	0.20	0.028
78-93-3	Methyl Ethyl Ketone	72.11	0.20	U	0.50	0.092
156-59-2	cis-1,2-Dichloroethene	96.94	0.080	U	0.20	0.030
540-59-0	1,2-Dichloroethene, Total	96.94	0.080	U	0.20	0.053
67-66-3	Chloroform	119.38	0.080	U	0.20	0.038
109-99-9	Tetrahydrofuran	72.11	0.20	U	5.0	0.18
71-55-6	1,1,1-Trichloroethane	133.41	0.080	U	0.20	0.030
110-82-7	Cyclohexane	84.16	0.030	U	0.20	0.010
56-23-5	Carbon tetrachloride	153.81	0.075	J	0.20	0.011
540-84-1	2,2,4-Trimethylpentane	114.23	0.030	U	0.20	0.023
71-43-2	Benzene	78.11	0.091	J	0.20	0.029
107-06-2	1,2-Dichloroethane	98.96	0.080	U	0.20	0.052

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

Lab Name: TestAmerica Burlington Job No.: 200-27725-1

SDG No.:

Client Sample ID: 101OA0305GA Lab Sample ID: 200-27725-7

Matrix: Air Lab File ID: 13349-016.D

Analysis Method: TO-15 Date Collected: 04/23/2015 11:20

Sample wt/vol: 200(mL) Date Analyzed: 04/29/2015 23:23

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 87597 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	0.037
79-01-6	Trichloroethene	131.39	0.030	U	0.20	0.030
80-62-6	Methyl methacrylate	100.12	0.20	U	0.50	0.096
78-87-5	1,2-Dichloropropane	112.99	0.080	U	0.20	0.035
123-91-1	1,4-Dioxane	88.11	0.20	U	5.0	0.16
75-27-4	Bromodichloromethane	163.83	0.030	U	0.20	0.029
10061-01-5	cis-1,3-Dichloropropene	110.97	0.030	U	0.20	0.029
108-10-1	methyl isobutyl ketone	100.16	0.20	U	0.50	0.18
108-88-3	Toluene	92.14	0.034	J	0.20	0.025
10061-02-6	trans-1,3-Dichloropropene	110.97	0.030	U	0.20	0.026
79-00-5	1,1,2-Trichloroethane	133.41	0.080	U	0.20	0.037
127-18-4	Tetrachloroethene	165.83	0.030	U	0.20	0.030
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.20	U	0.50	0.17
124-48-1	Dibromochloromethane	208.29	0.030	U	0.20	0.020
106-93-4	1,2-Dibromoethane	187.87	0.030	U	0.20	0.018
108-90-7	Chlorobenzene	112.56	0.030	U	0.20	0.018
100-41-4	Ethylbenzene	106.17	0.030	U	0.20	0.020
179601-23-1	m,p-Xylene	106.17	0.060	U	0.50	0.025
95-47-6	Xylene, o-	106.17	0.030	U	0.20	0.018
1330-20-7	Xylene (total)	106.17	0.090	U	0.20	0.041
100-42-5	Styrene	104.15	0.030	U	0.20	0.016
75-25-2	Bromoform	252.75	0.030	U	0.20	0.025
98-82-8	Cumene	120.19	0.030	U	0.20	0.019
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.080	U	0.20	0.034
103-65-1	n-Propylbenzene	120.19	0.030	U	0.20	0.027
622-96-8	4-Ethyltoluene	120.20	0.030	U	0.20	0.020
108-67-8	1,3,5-Trimethylbenzene	120.20	0.030	U	0.20	0.019
95-49-8	2-Chlorotoluene	126.59	0.080	U	0.20	0.031
98-06-6	tert-Butylbenzene	134.22	0.030	U	0.20	0.020
95-63-6	1,2,4-Trimethylbenzene	120.20	0.030	U	0.20	0.016
135-98-8	sec-Butylbenzene	134.22	0.030	U	0.20	0.021
99-87-6	4-Isopropyltoluene	134.22	0.030	U	0.20	0.020
541-73-1	1,3-Dichlorobenzene	147.00	0.030	U	0.20	0.020
106-46-7	1,4-Dichlorobenzene	147.00	0.030	U	0.20	0.019

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Lab Name: TestAmerica Burlington Job No.: 200-27725-1

SDG No.:

Client Sample ID: 101OA0305GA Lab Sample ID: 200-27725-7

Matrix: Air Lab File ID: 13349-016.D

Analysis Method: TO-15 Date Collected: 04/23/2015 11:20

Sample wt/vol: 200(mL) Date Analyzed: 04/29/2015 23:23

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 87597 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	0.030	U	0.20	0.018
104-51-8	n-Butylbenzene	134.22	0.030	U	0.20	0.028
95-50-1	1,2-Dichlorobenzene	147.00	0.030	U	0.20	0.018
120-82-1	1,2,4-Trichlorobenzene	181.45	0.080	U	0.50	0.034
87-68-3	Hexachlorobutadiene	260.76	0.080	U	0.20	0.036
91-20-3	Naphthalene	128.17	0.080	U	0.50	0.030

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Matrix: Air Lab File ID: 13349-016.D

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Sample wt/vol: 200(mL) Date Analyzed: 04/29/2015 23:23

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 87597 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	2.3	J	2.5	0.28
75-45-6	Freon 22	86.47	0.88	J	1.8	0.28
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.56	U	1.4	0.36
74-87-3	Chloromethane	50.49	1.2		1.0	0.12
106-97-8	n-Butane	58.12	0.48	U	1.2	0.43
75-01-4	Vinyl chloride	62.50	0.077	U	0.51	0.066
106-99-0	1,3-Butadiene	54.09	0.18	U	0.44	0.080
74-83-9	Bromomethane	94.94	0.31	U	0.78	0.17
75-00-3	Chloroethane	64.52	0.21	U	1.3	0.16
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.13	U	0.87	0.087
75-69-4	Trichlorofluoromethane	137.37	1.2		1.1	0.25
76-13-1	Freon TF	187.38	0.60	J	1.5	0.31
75-35-4	1,1-Dichloroethene	96.94	0.12	U	0.79	0.040
67-64-1	Acetone	58.08	5.9	U	12	1.6
67-63-0	Isopropyl alcohol	60.10	1.2	U	12	0.37
75-15-0	Carbon disulfide	76.14	0.25	U	1.6	0.093
107-05-1	3-Chloropropene	76.53	0.63	U	1.6	0.50
75-09-2	Methylene Chloride	84.93	0.88	J	1.7	0.42
75-65-0	tert-Butyl alcohol	74.12	0.61	U	15	0.36
1634-04-4	Methyl tert-butyl ether	88.15	0.11	U	0.72	0.079
156-60-5	trans-1,2-Dichloroethene	96.94	0.12	U	0.79	0.11
110-54-3	n-Hexane	86.17	0.11	U	0.70	0.099
75-34-3	1,1-Dichloroethane	98.96	0.12	U	0.81	0.11
78-93-3	Methyl Ethyl Ketone	72.11	0.59	U	1.5	0.27
156-59-2	cis-1,2-Dichloroethene	96.94	0.32	U	0.79	0.12
540-59-0	1,2-Dichloroethene, Total	96.94	0.32	U	0.79	0.21
67-66-3	Chloroform	119.38	0.39	U	0.98	0.19
109-99-9	Tetrahydrofuran	72.11	0.59	U	15	0.53
71-55-6	1,1,1-Trichloroethane	133.41	0.44	U	1.1	0.16
110-82-7	Cyclohexane	84.16	0.10	U	0.69	0.034
56-23-5	Carbon tetrachloride	153.81	0.47	J	1.3	0.069
540-84-1	2,2,4-Trimethylpentane	114.23	0.14	U	0.93	0.11
71-43-2	Benzene	78.11	0.29	J	0.64	0.093
107-06-2	1,2-Dichloroethane	98.96	0.32	U	0.81	0.21

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Matrix: Air Lab File ID: 13349-016.D

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 87597 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	0.15
79-01-6	Trichloroethene	131.39	0.16	U	1.1	0.16
80-62-6	Methyl methacrylate	100.12	0.82	U	2.0	0.39
78-87-5	1,2-Dichloropropane	112.99	0.37	U	0.92	0.16
123-91-1	1,4-Dioxane	88.11	0.72	U	18	0.58
75-27-4	Bromodichloromethane	163.83	0.20	U	1.3	0.19
10061-01-5	cis-1,3-Dichloropropene	110.97	0.14	U	0.91	0.13
108-10-1	methyl isobutyl ketone	100.16	0.82	U	2.0	0.74
108-88-3	Toluene	92.14	0.13	J	0.75	0.094
10061-02-6	trans-1,3-Dichloropropene	110.97	0.14	U	0.91	0.12
79-00-5	1,1,2-Trichloroethane	133.41	0.44	U	1.1	0.20
127-18-4	Tetrachloroethene	165.83	0.20	U	1.4	0.20
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.82	U	2.0	0.70
124-48-1	Dibromochloromethane	208.29	0.26	U	1.7	0.17
106-93-4	1,2-Dibromoethane	187.87	0.23	U	1.5	0.14
108-90-7	Chlorobenzene	112.56	0.14	U	0.92	0.083
100-41-4	Ethylbenzene	106.17	0.13	U	0.87	0.087
179601-23-1	m,p-Xylene	106.17	0.26	U	2.2	0.11
95-47-6	Xylene, o-	106.17	0.13	U	0.87	0.078
1330-20-7	Xylene (total)	106.17	0.39	U	0.87	0.18
100-42-5	Styrene	104.15	0.13	U	0.85	0.068
75-25-2	Bromoform	252.75	0.31	U	2.1	0.26
98-82-8	Cumene	120.19	0.15	U	0.98	0.093
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.55	U	1.4	0.23
103-65-1	n-Propylbenzene	120.19	0.15	U	0.98	0.13
622-96-8	4-Ethyltoluene	120.20	0.15	U	0.98	0.098
108-67-8	1,3,5-Trimethylbenzene	120.20	0.15	U	0.98	0.093
95-49-8	2-Chlorotoluene	126.59	0.41	U	1.0	0.16
98-06-6	tert-Butylbenzene	134.22	0.16	U	1.1	0.11
95-63-6	1,2,4-Trimethylbenzene	120.20	0.15	U	0.98	0.079
135-98-8	sec-Butylbenzene	134.22	0.16	U	1.1	0.12
99-87-6	4-Isopropyltoluene	134.22	0.16	U	1.1	0.11
541-73-1	1,3-Dichlorobenzene	147.00	0.18	U	1.2	0.12
106-46-7	1,4-Dichlorobenzene	147.00	0.18	U	1.2	0.11

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

% Moisture: Level: (low/med) Low

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CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	0.16	U	1.0	0.093
104-51-8	n-Butylbenzene	134.22	0.16	U	1.1	0.15
95-50-1	1,2-Dichlorobenzene	147.00	0.18	U	1.2	0.11
120-82-1	1,2,4-Trichlorobenzene	181.45	0.59	U	3.7	0.25
87-68-3	Hexachlorobutadiene	260.76	0.85	U	2.1	0.38
91-20-3	Naphthalene	128.17	0.42	U	2.6	0.16

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHX.i\20150429-13349.b\13349-016.D
Lims ID: 200-27725-A-7 Lab Sample ID: 200-27725-7
Client ID: 101OA0305GA
Sample Type: Client
Inject. Date: 29-Apr-2015 23:23:30 ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0013349-016
Misc. Info.: 27725-07
Operator ID: wrd Instrument ID: CHX.i

Method: \\BTV-LIMS1\ChromData\CHX.i\20150429-13349.b\TO15_LLNJ_TO3_CHX.i.m.m
Limit Group: AI_TO15_ICAL
Last Update: 30-Apr-2015 08:55:06 Calib Date: 20-Mar-2015 00:18:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHX.i\20150319-12677.b\12677-011.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK004

First Level Reviewer: lyonsb Date: 30-Apr-2015 08:49:42

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
	2 Dichlorodifluoromethane	85	3.113	3.113	0.000	99	32745	0.4645	
	3 Chlorodifluoromethane	51	3.167	3.167	0.000	97	8470	0.2478	
	4 1,2-Dichloro-1,1,2,2-tetra	85		3.375				ND	
	5 Chloromethane	50	3.520	3.520	0.000	99	11097	0.5928	
	6 Butane	43		3.712				ND	
	7 Vinyl chloride	62		3.761				ND	
	8 Butadiene	54		3.835				ND	
	9 Bromomethane	94		4.510				ND	
	10 Chloroethane	64		4.740				ND	
	12 Vinyl bromide	106		5.125				ND	
	13 Trichlorofluoromethane	101	5.216	5.216	0.000	98	15842	0.2082	
	18 1,1,2-Trichloro-1,2,2-trif	101	6.275	6.270	0.005	94	4557	0.0780	
	20 1,1-Dichloroethene	96		6.328				ND	
	21 Acetone	43		6.575				ND	
	22 Carbon disulfide	76		6.724				ND	
	23 Isopropyl alcohol	45		6.847				ND	
	24 3-Chloro-1-propene	41		7.115				ND	
	26 Methylene Chloride	49	7.404	7.409	-0.005	85	6467	0.2528	
	28 2-Methyl-2-propanol	59		7.618				ND	
	29 Methyl tert-butyl ether	73		7.794				ND	
	30 trans-1,2-Dichloroethene	61		7.837				ND	
	32 Hexane	57		8.206				ND	
	33 1,1-Dichloroethane	63		8.720				ND	
	35 cis-1,2-Dichloroethene	96		9.838				ND	
	36 2-Butanone (MEK)	72		9.886				ND	
S	38 1,2-Dichloroethene, Total	61		10.000				ND	
	39 Tetrahydrofuran	42		10.298				ND	
*	40 Chlorobromomethane	128	10.309	10.314	-0.005	79	337663	10.0	
	41 Chloroform	83		10.437				ND	
	42 Cyclohexane	84		10.678				ND	
	43 1,1,1-Trichloroethane	97		10.715				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
44 Carbon tetrachloride	117	10.956	10.967	-0.011	89	5187	0.0749	
45 Isooctane	57		11.395				ND	
46 Benzene	78	11.437	11.448	-0.011	95	8814	0.0914	
47 1,2-Dichloroethane	62		11.646				ND	
48 n-Heptane	43		11.785				ND	
* 50 1,4-Difluorobenzene	114	12.299	12.304	-0.005	93	1646770	10.0	
52 Trichloroethene	95		12.786				ND	
53 1,2-Dichloropropane	63		13.379				ND	
54 Methyl methacrylate	69		13.529				ND	
55 1,4-Dioxane	88		13.593				ND	
57 Dichlorobromomethane	83		13.957				ND	
58 cis-1,3-Dichloropropene	75		14.931				ND	
61 4-Methyl-2-pentanone (MIBK	43		15.220				ND	
62 Toluene	92	15.535	15.535	0.000	90	2478	0.0336	
67 trans-1,3-Dichloropropene	75		16.156				ND	
68 1,1,2-Trichloroethane	83		16.546				ND	
69 Tetrachloroethene	166		16.637				ND	
70 2-Hexanone	43		16.985				ND	
71 Chlorodibromomethane	129		17.327				ND	
72 Ethylene Dibromide	107		17.611				ND	
* 73 Chlorobenzene-d5	117	18.515	18.520	-0.005	84	1457662	10.0	
74 Chlorobenzene	112		18.579				ND	
75 Ethylbenzene	91		18.724				ND	
77 m-Xylene & p-Xylene	106		18.975				ND	
78 o-Xylene	106		19.783				ND	
79 Styrene	104		19.836				ND	
S 80 Xylenes, Total	106		20.000				ND	
81 Bromoform	173		20.243				ND	
82 Isopropylbenzene	105		20.414				ND	
* 83 4-Bromofluorobenzene	95	20.773	20.773	0.000	97	952298	10.0	
85 1,1,2,2-Tetrachloroethane	83		21.040				ND	
86 N-Propylbenzene	91		21.094				ND	
89 4-Ethyltoluene	105		21.276				ND	
90 2-Chlorotoluene	91		21.297				ND	
91 1,3,5-Trimethylbenzene	105		21.372				ND	
93 tert-Butylbenzene	119		21.848				ND	
94 1,2,4-Trimethylbenzene	105		21.939				ND	
95 sec-Butylbenzene	105		22.158				ND	
96 4-Isopropyltoluene	119		22.356				ND	
97 1,3-Dichlorobenzene	146		22.404				ND	
98 1,4-Dichlorobenzene	146		22.543				ND	
99 Benzyl chloride	91		22.747				ND	
101 n-Butylbenzene	91		22.950				ND	
102 1,2-Dichlorobenzene	146		23.105				ND	
104 1,2,4-Trichlorobenzene	180		25.759				ND	
105 Hexachlorobutadiene	225		25.940				ND	
106 Naphthalene	128		26.294				ND	

Reagents:

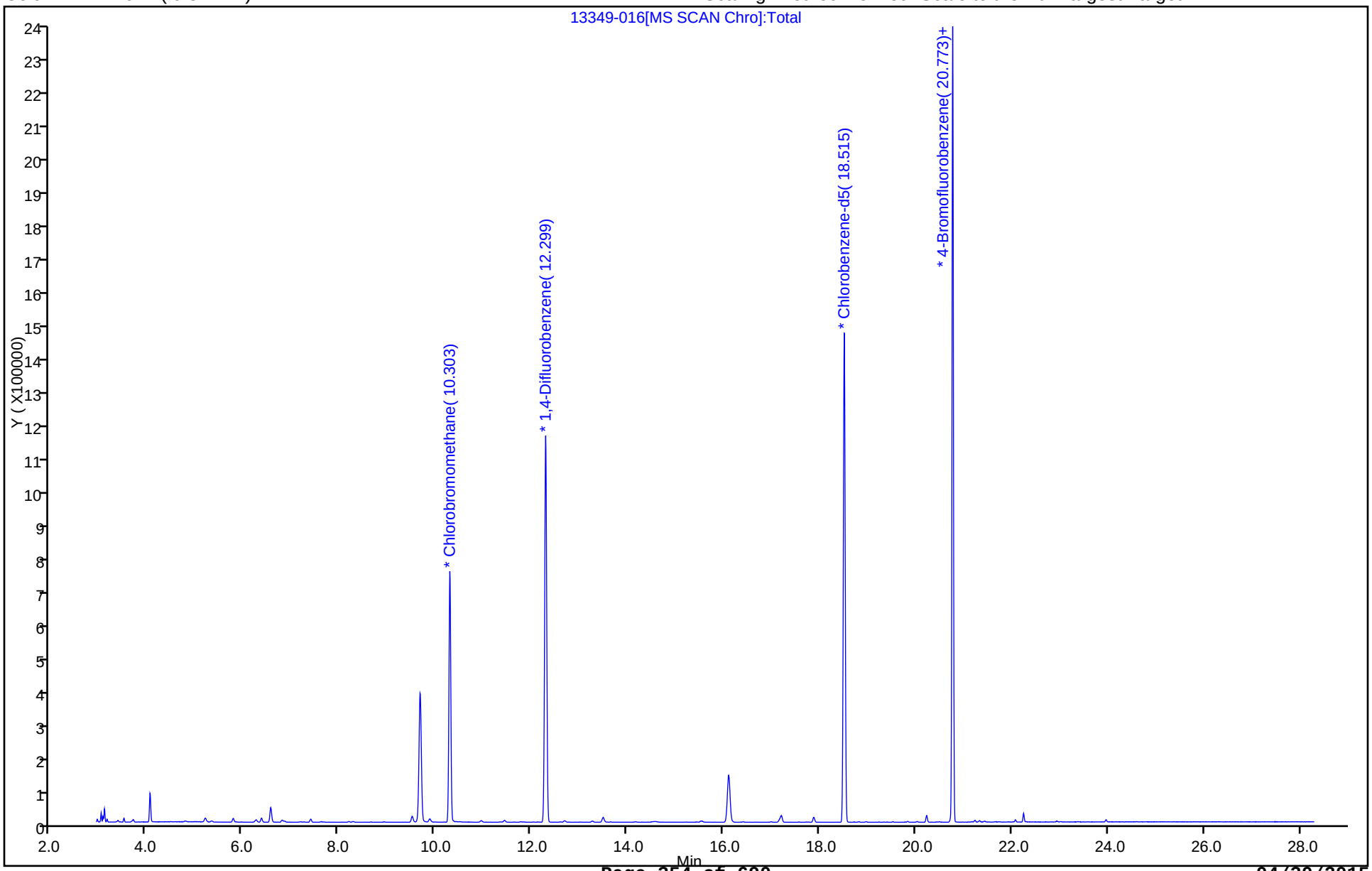
ATTO15GIS_00009 Amount Added: 20.00 Units: mL Run Reagent

Report Date: 30-Apr-2015 08:55:36 Chrom Revision: 2.2 09-Apr-2015 10:05:40

TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHX.i\20150429-13349.b\13349-016.D				
Injection Date:	29-Apr-2015 23:23:30	Instrument ID:	CHX.i	Operator ID:	wrd
Lims ID:	200-27725-A-7	Lab Sample ID:	200-27725-7	Worklist Smp#:	16
Client ID:	101OA0305GA				
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	15
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1

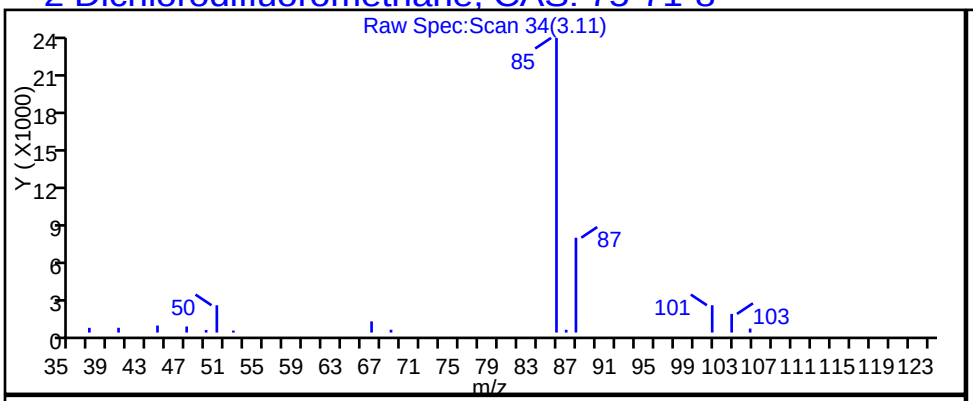


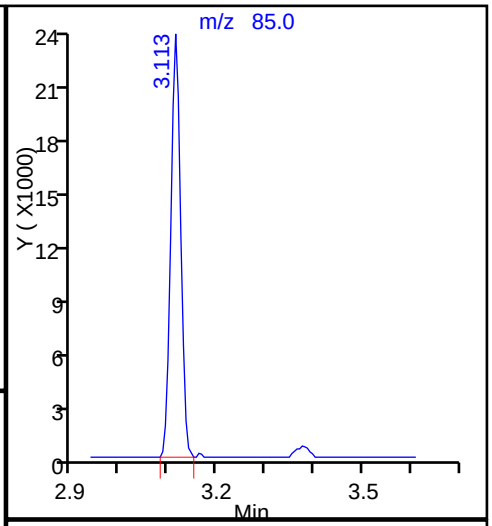
TestAmerica Burlington

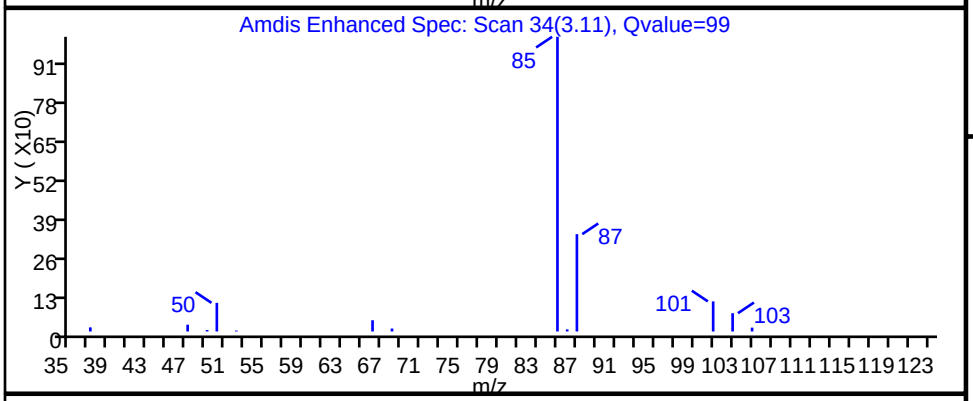
Data File: \\BTV-LIMS1\ChromData\CHX.i\20150429-13349.b\13349-016.D

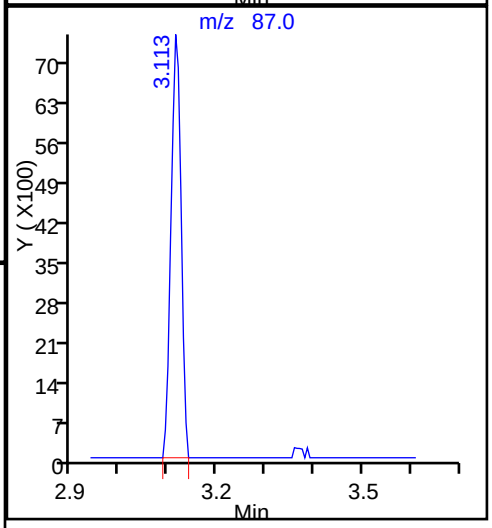
Injection Date:	29-Apr-2015 23:23:30	Instrument ID:	CHX.i		
Lims ID:	200-27725-A-7	Lab Sample ID:	200-27725-7		
Client ID:	101OA0305GA				
Operator ID:	wrd	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

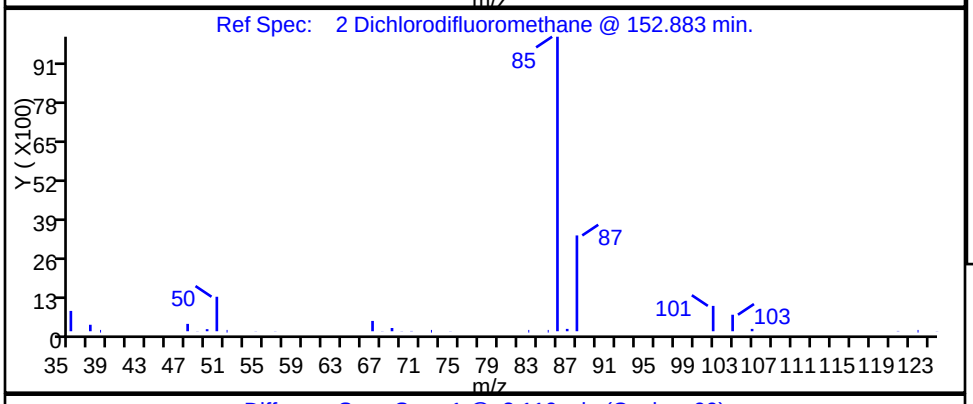
2 Dichlorodifluoromethane, CAS: 75-71-8

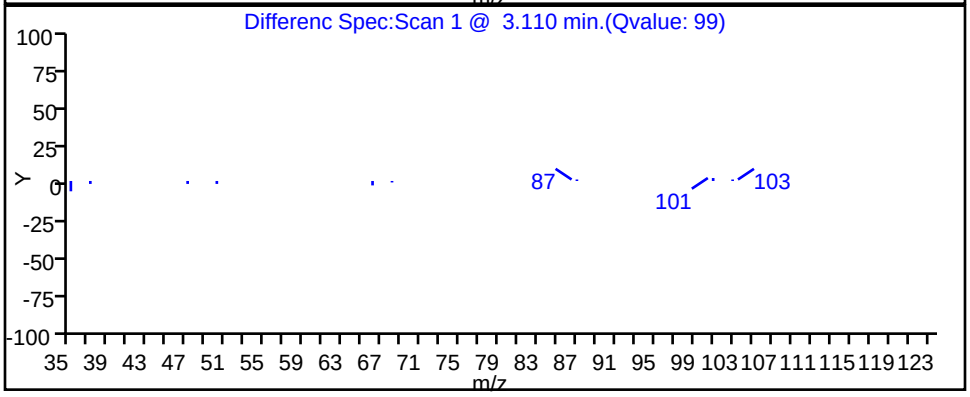








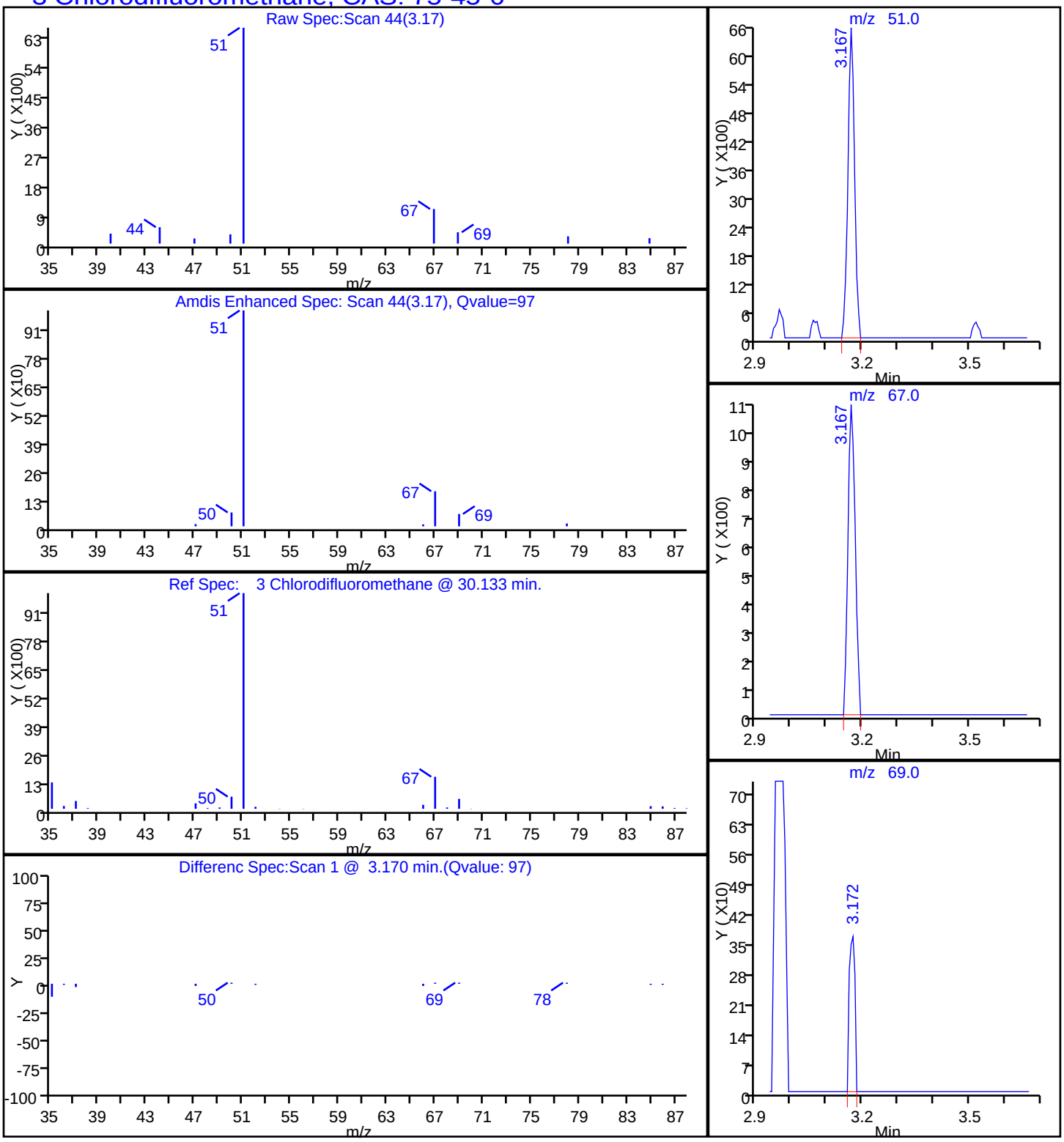




TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHX.i\20150429-13349.b\13349-016.D
Injection Date: 29-Apr-2015 23:23:30 Instrument ID: CHX.i
Lims ID: 200-27725-A-7 Lab Sample ID: 200-27725-7
Client ID: 101OA0305GA
Operator ID: wrd ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

3 Chlorodifluoromethane, CAS: 75-45-6

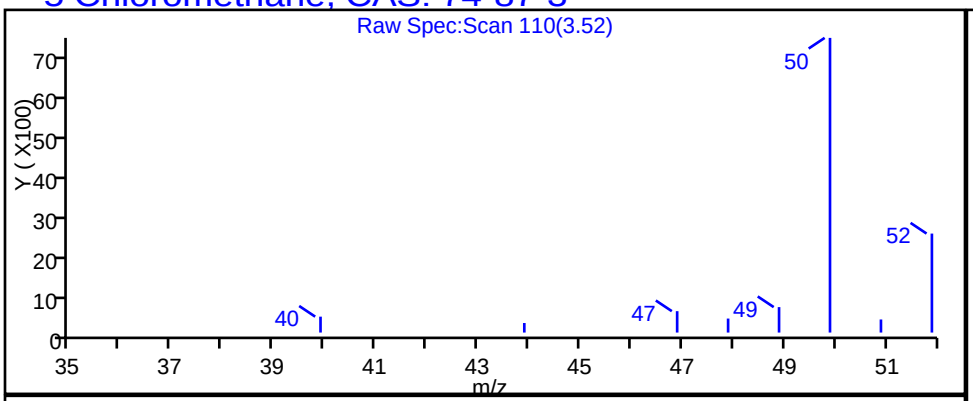


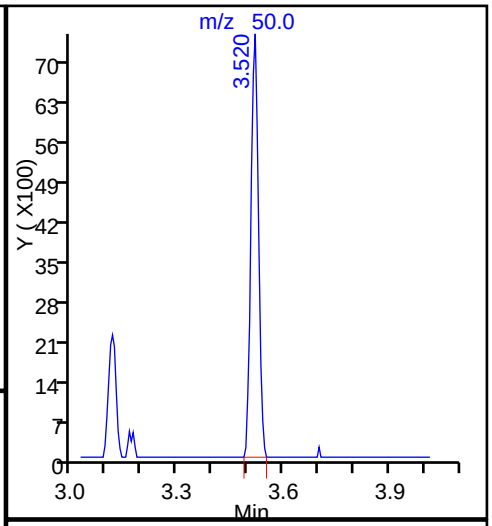
TestAmerica Burlington

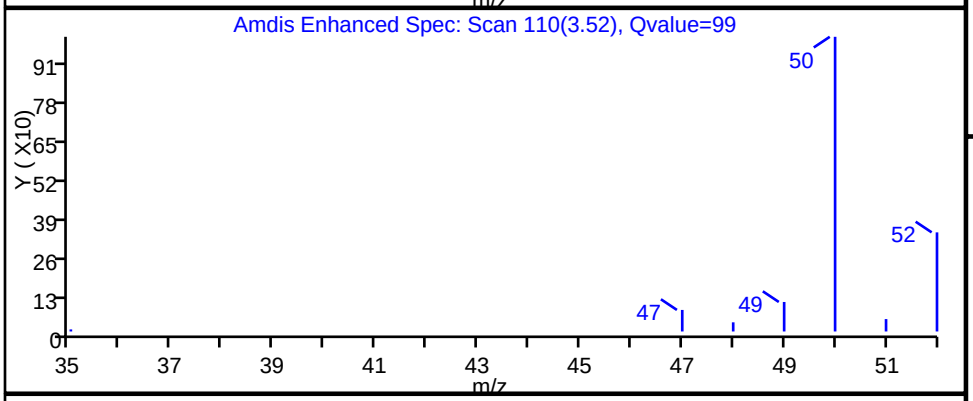
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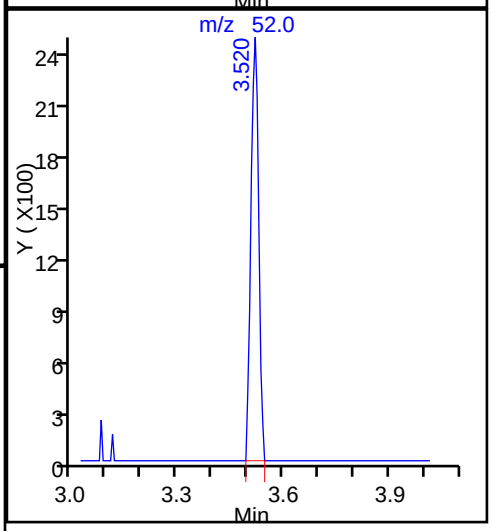
Injection Date:	29-Apr-2015 23:23:30	Instrument ID:	CHX.i		
Lims ID:	200-27725-A-7	Lab Sample ID:	200-27725-7		
Client ID:	101OA0305GA				
Operator ID:	wrd	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

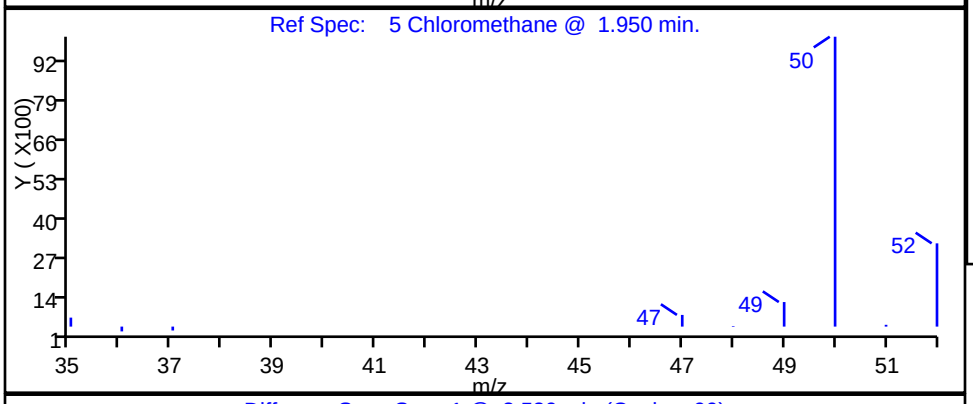
5 Chloromethane, CAS: 74-87-3

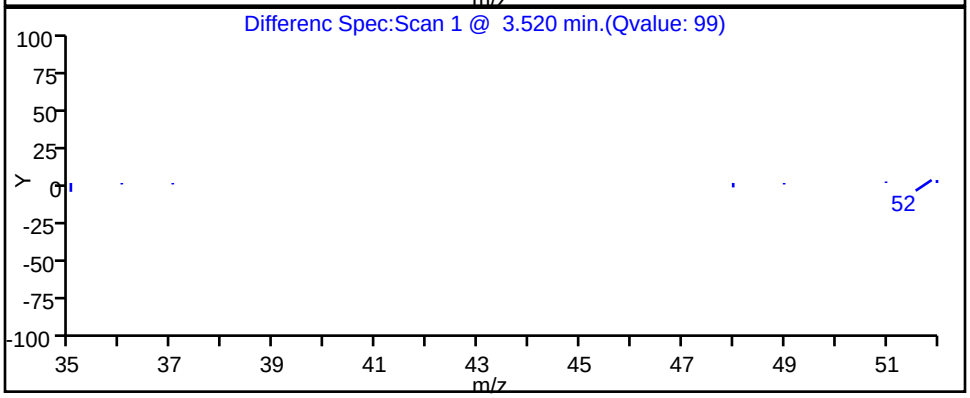










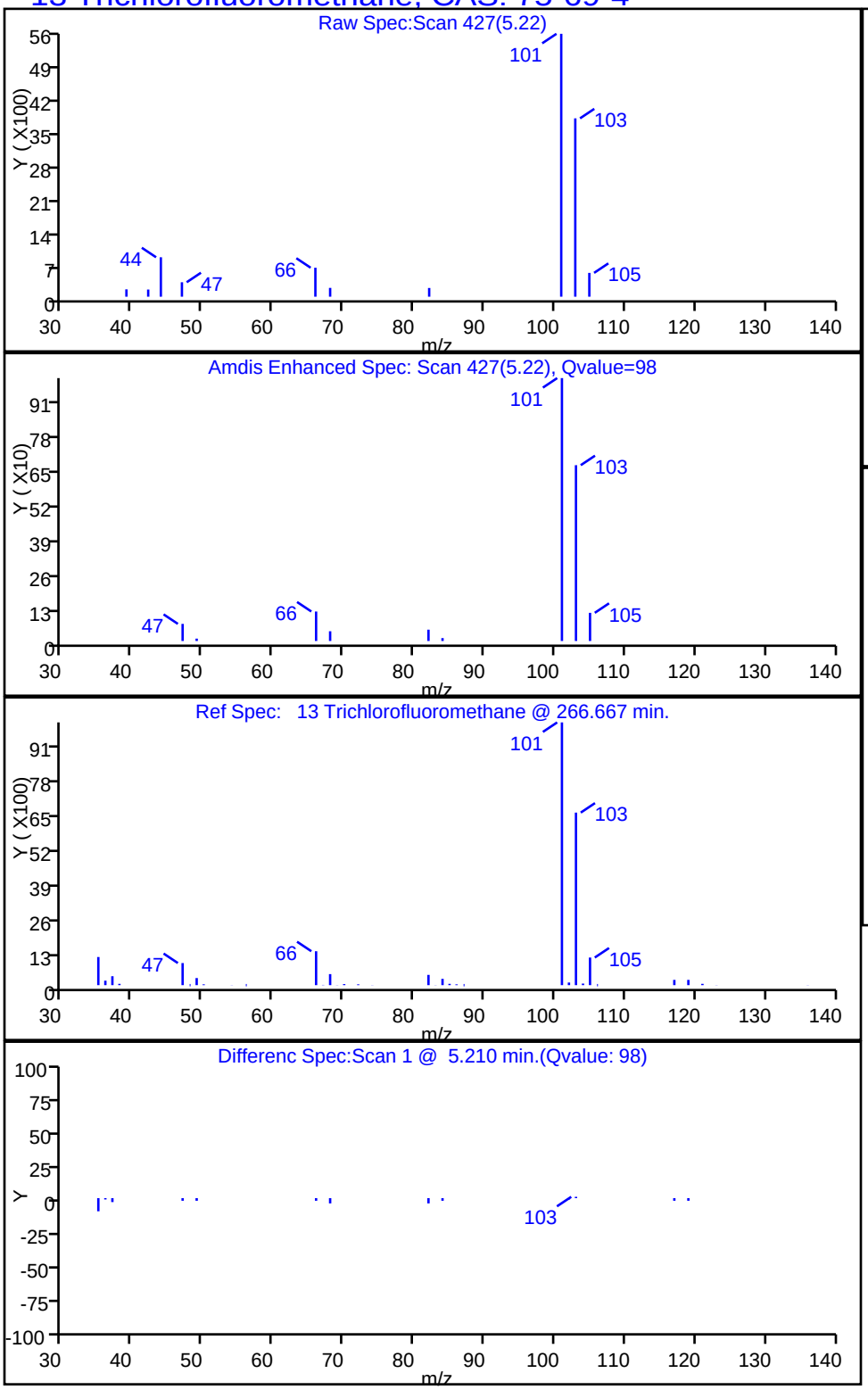


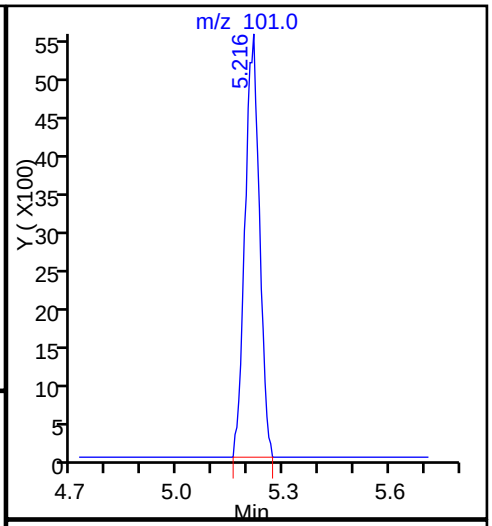
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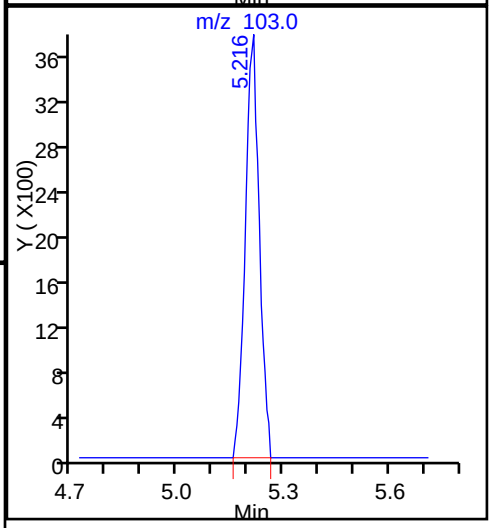
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Injection Date:	29-Apr-2015 23:23:30	Instrument ID:	CHX.i		
Lims ID:	200-27725-A-7	Lab Sample ID:	200-27725-7		
Client ID:	101OA0305GA				
Operator ID:	wrd	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

13 Trichlorofluoromethane, CAS: 75-69-4



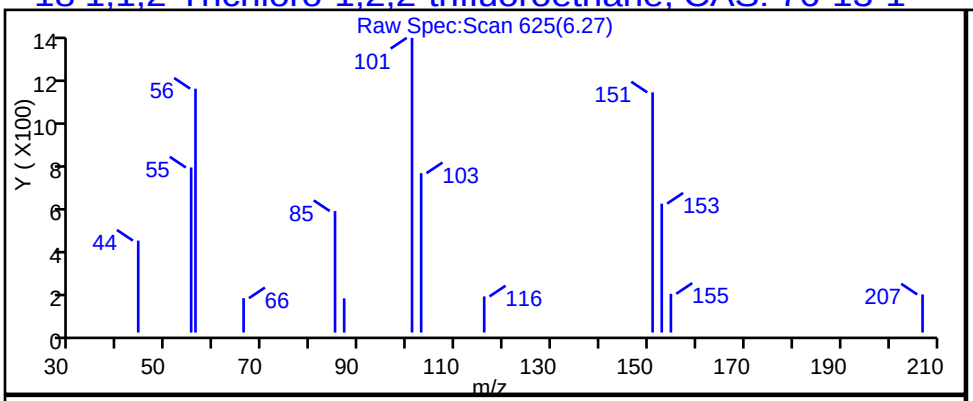


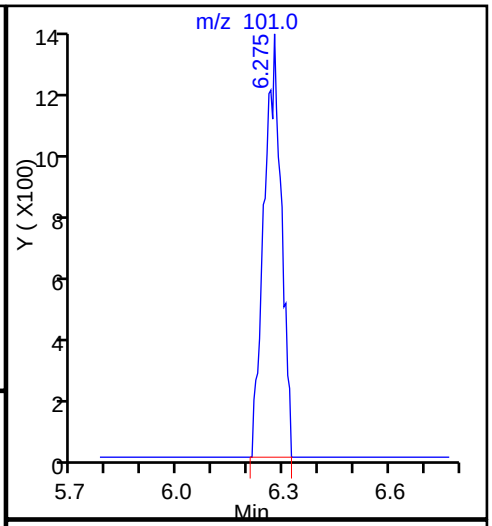


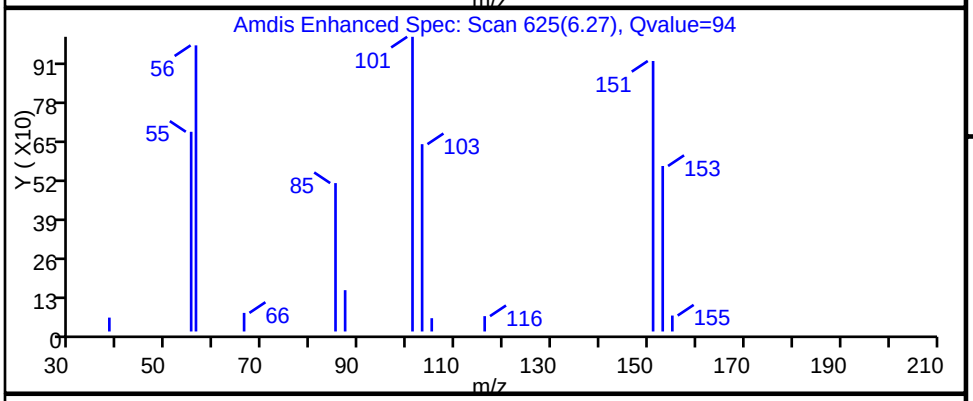
TestAmerica Burlington

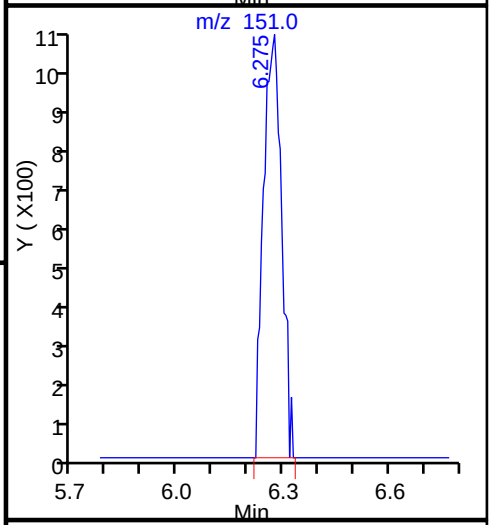
Data File: \\BTV-LIMS1\ChromData\CHX.i\20150429-13349.b\13349-016.D
Injection Date: 29-Apr-2015 23:23:30 Instrument ID: CHX.i
Lims ID: 200-27725-A-7 Lab Sample ID: 200-27725-7
Client ID: 101OA0305GA
Operator ID: wrd ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

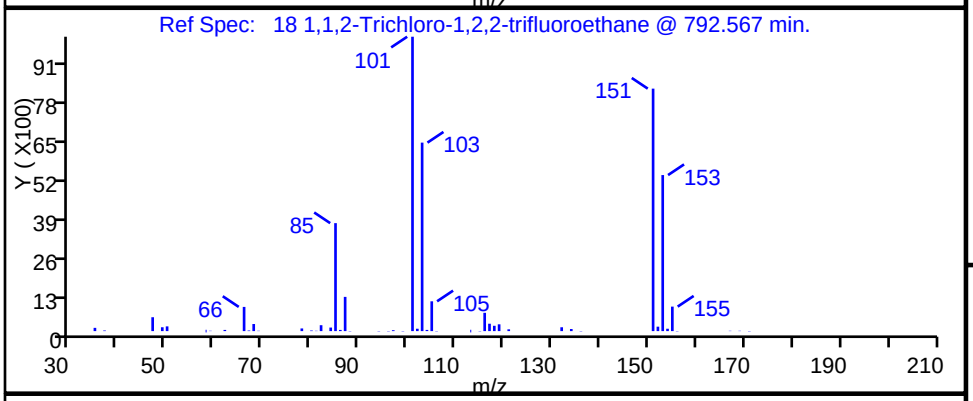
18 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

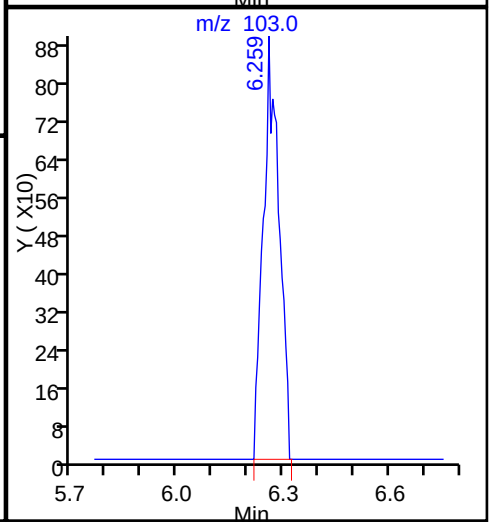


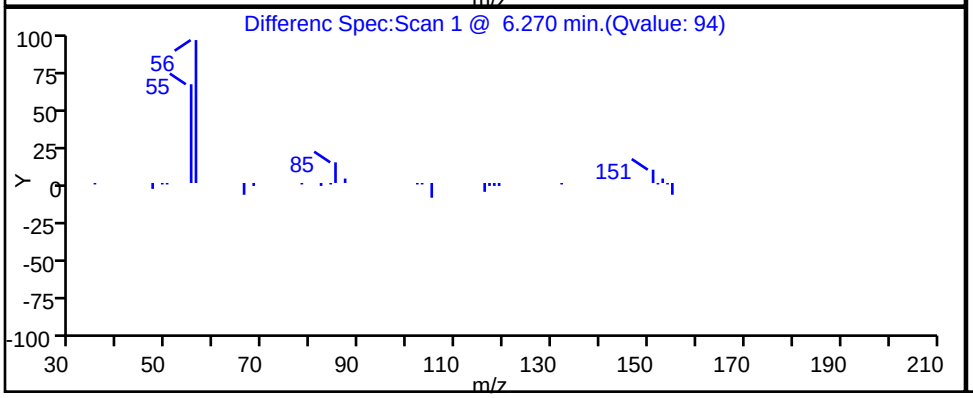








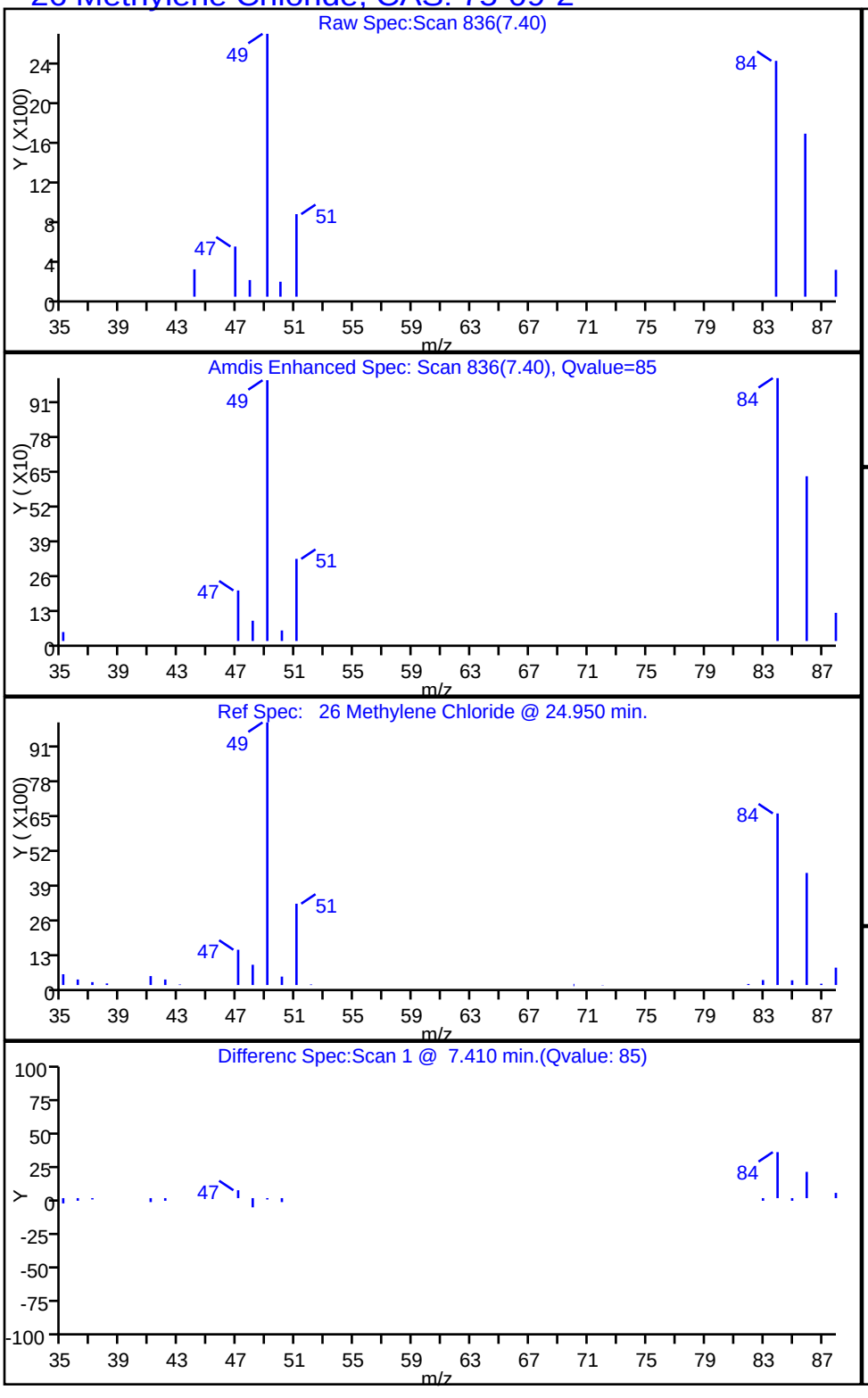


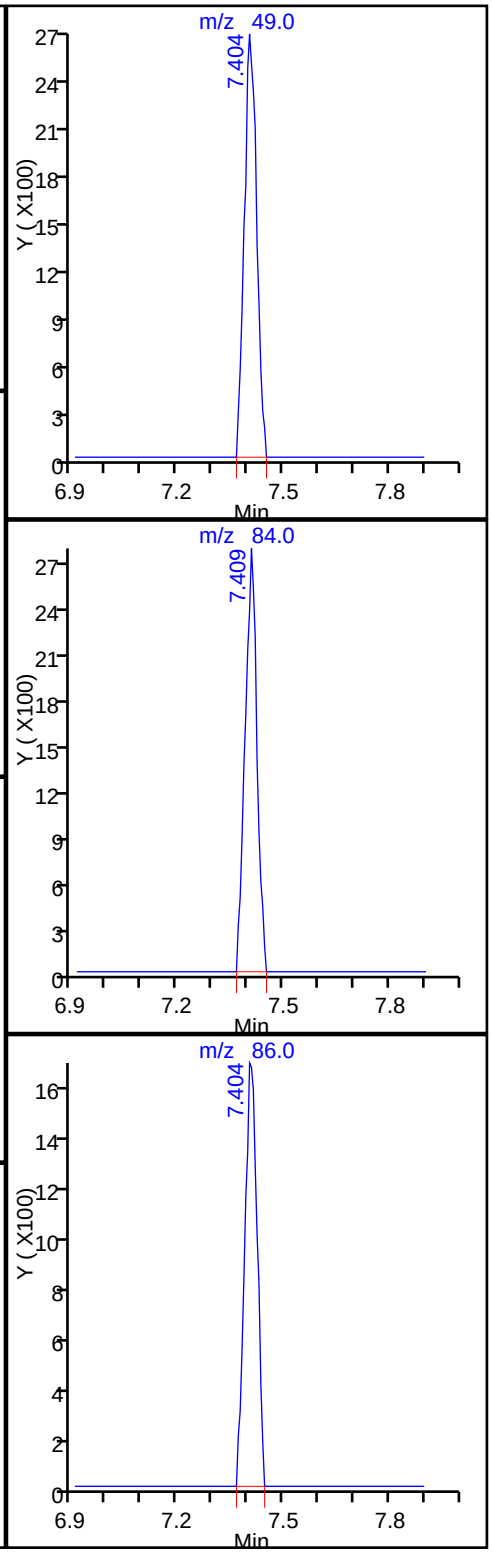


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Data File: \\BTV-LIMS1\ChromData\CHX.i\20150429-13349.b\13349-016.D
Injection Date: 29-Apr-2015 23:23:30 Instrument ID: CHX.i
Lims ID: 200-27725-A-7 Lab Sample ID: 200-27725-7
Client ID: 101OA0305GA
Operator ID: wrd ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

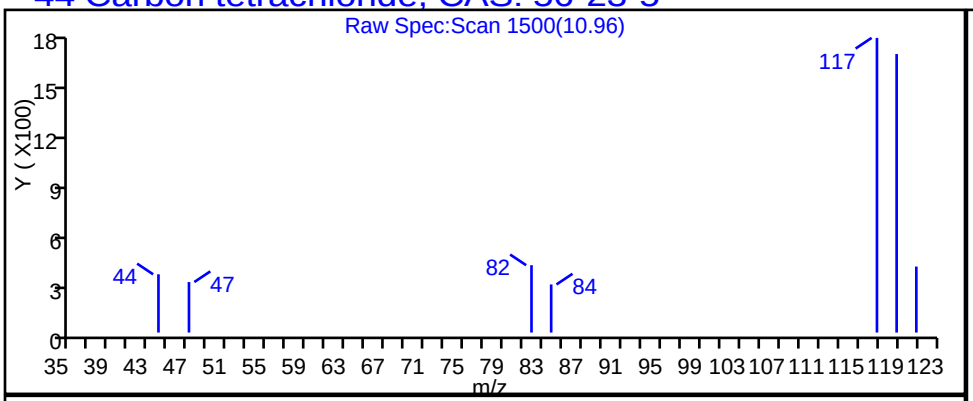
26 Methylene Chloride, CAS: 75-09-2

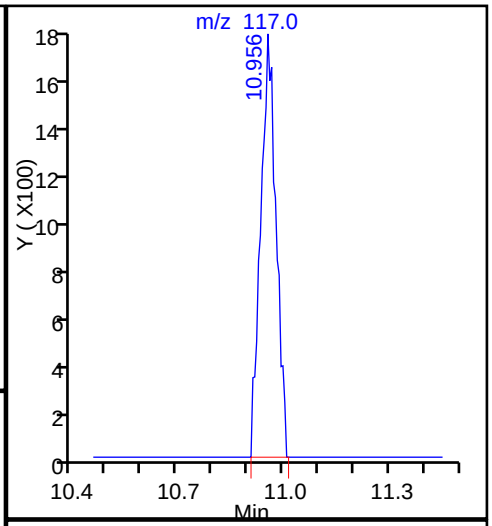


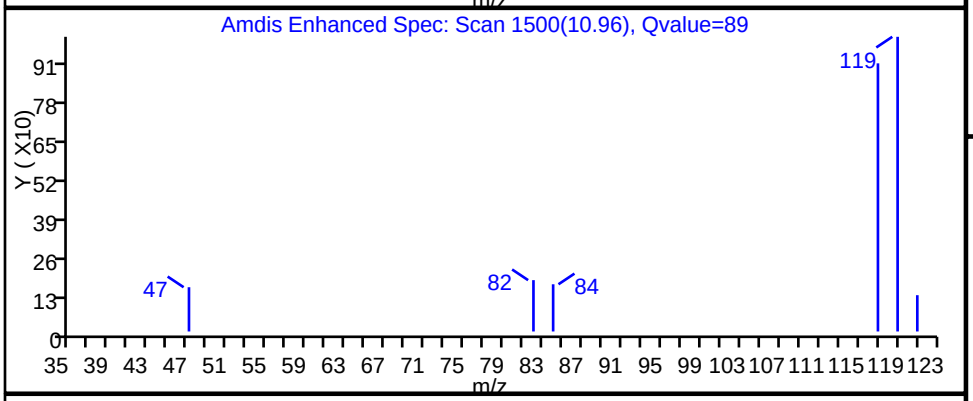


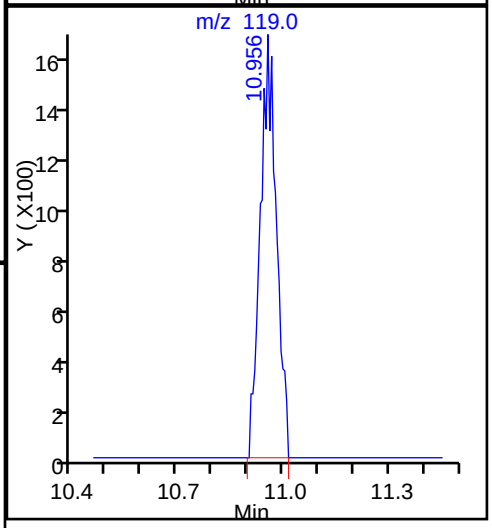
Data File: \\BTV-LIMS1\ChromData\CHX.i\20150429-13349.b\13349-016.D
Injection Date: 29-Apr-2015 23:23:30 Instrument ID: CHX.i
Lims ID: 200-27725-A-7 Lab Sample ID: 200-27725-7
Client ID: 101OA0305GA
Operator ID: wrd ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

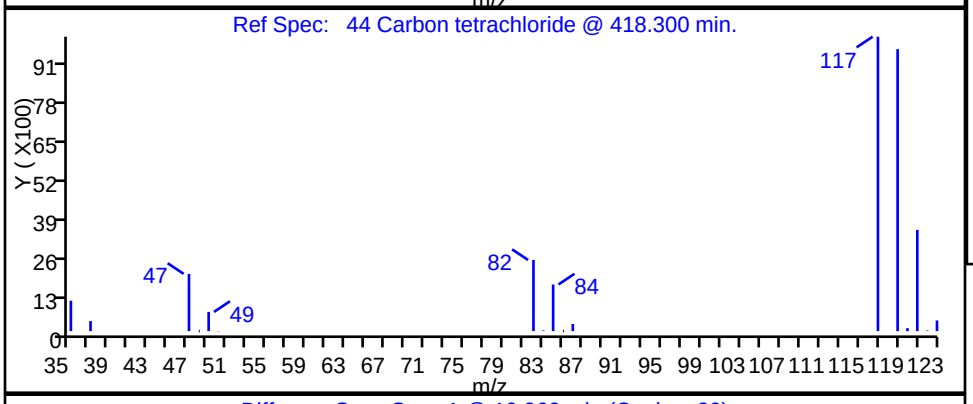
44 Carbon tetrachloride, CAS: 56-23-5

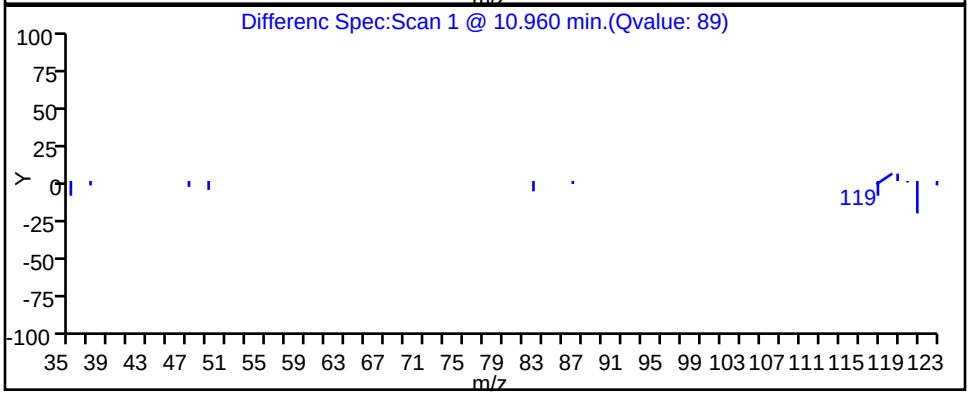








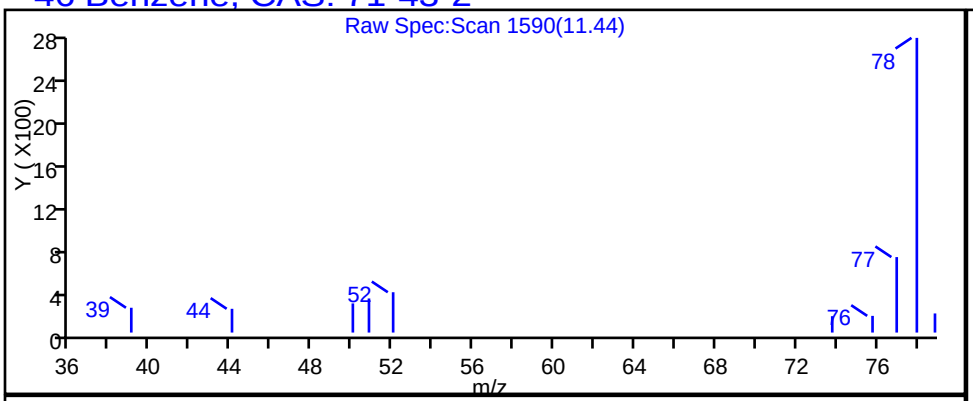


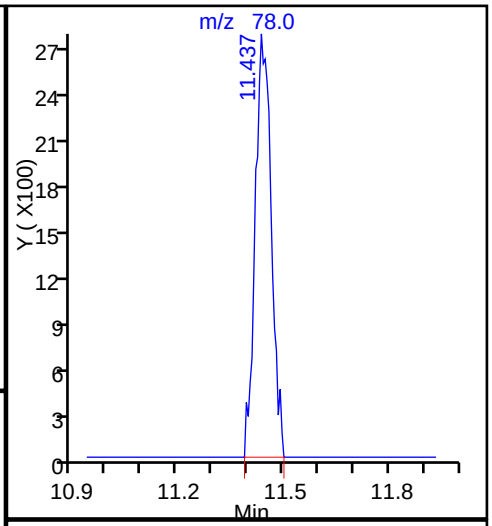


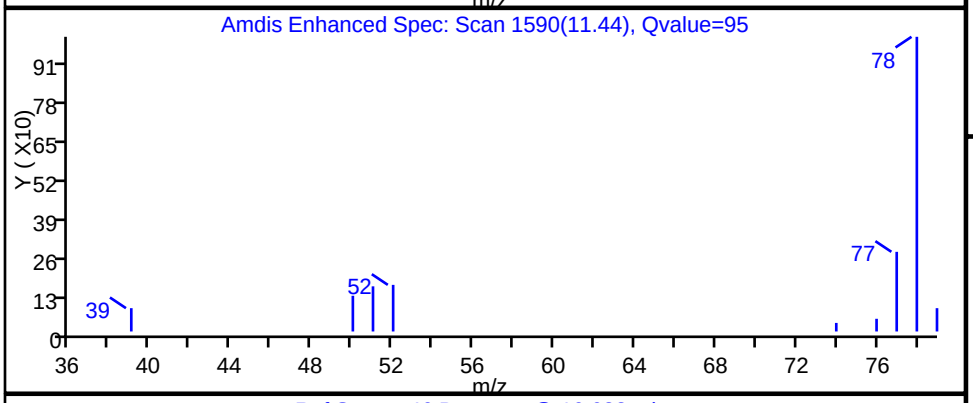
TestAmerica Burlington

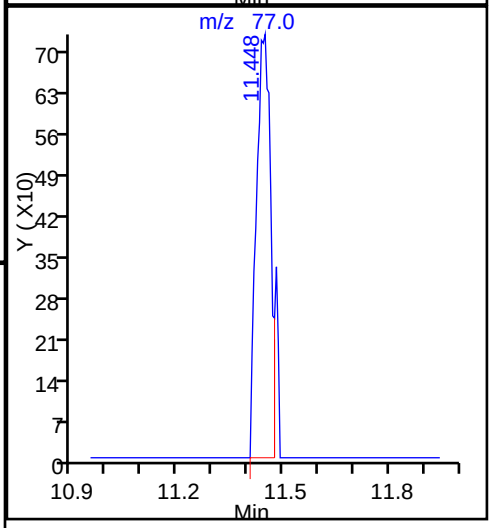
Data File: \\BTV-LIMS1\ChromData\CHX.i\20150429-13349.b\13349-016.D
Injection Date: 29-Apr-2015 23:23:30 Instrument ID: CHX.i
Lims ID: 200-27725-A-7 Lab Sample ID: 200-27725-7
Client ID: 101OA0305GA
Operator ID: wrd ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

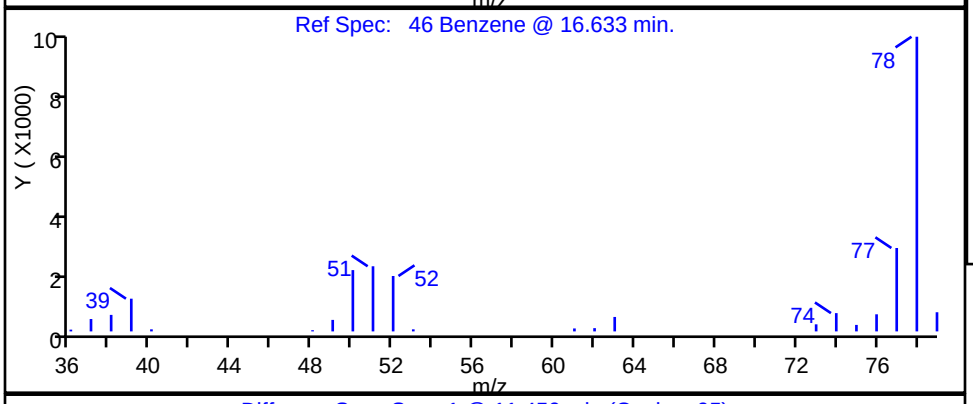
46 Benzene, CAS: 71-43-2

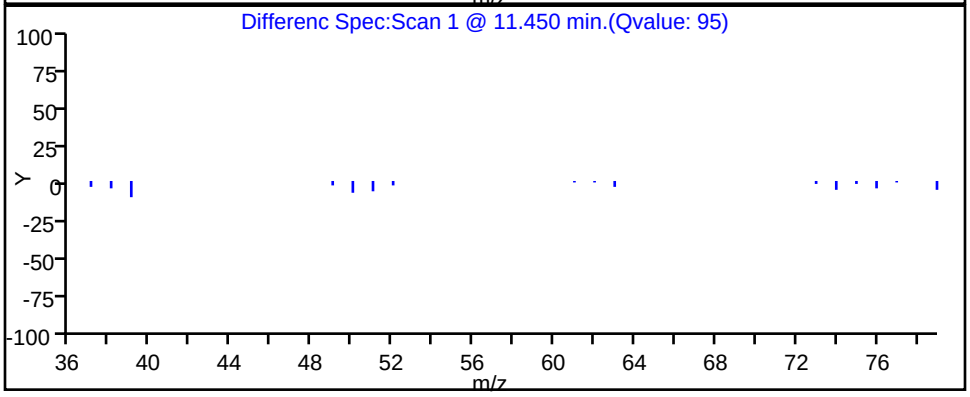






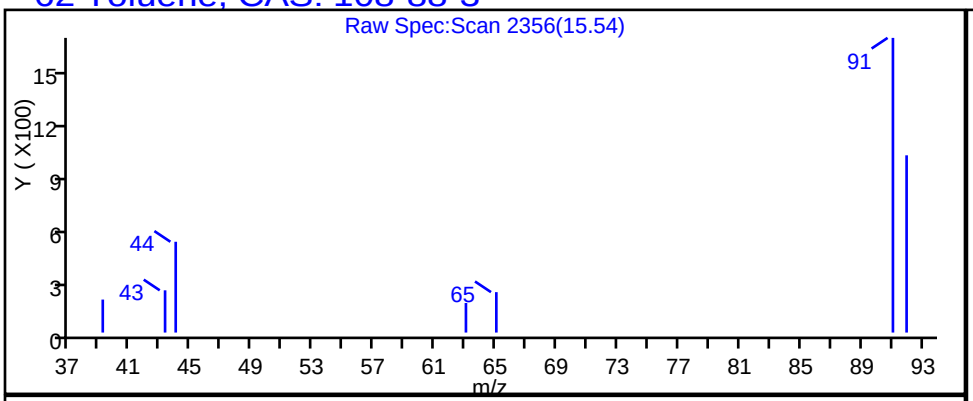


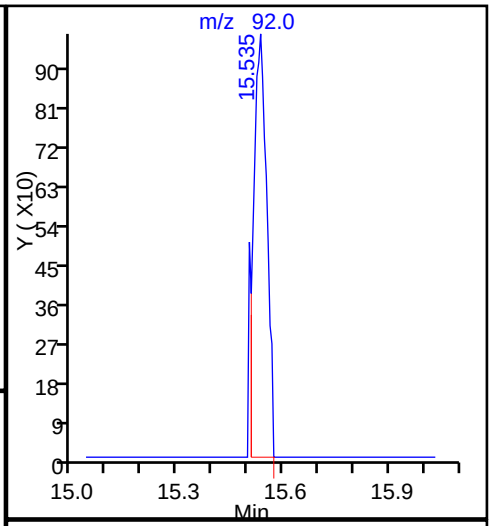


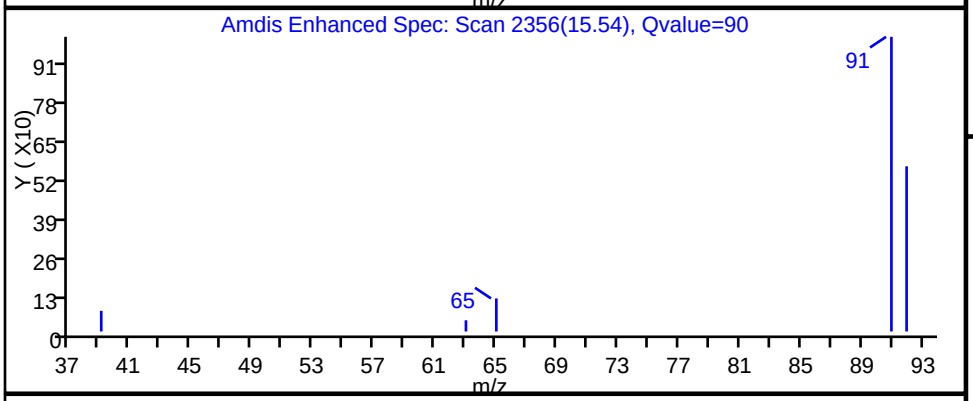


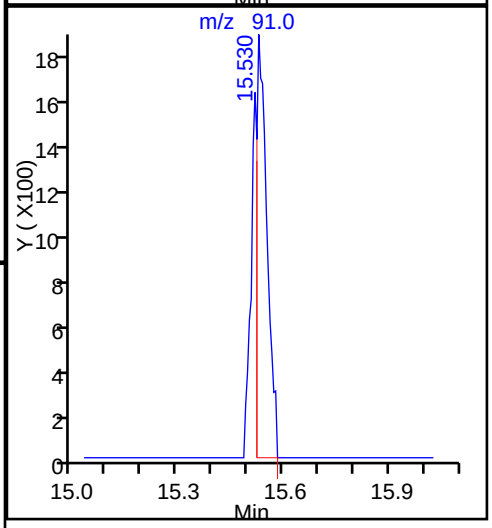
Data File: \\BTV-LIMS1\ChromData\CHX.i\20150429-13349.b\13349-016.D
Injection Date: 29-Apr-2015 23:23:30 Instrument ID: CHX.i
Lims ID: 200-27725-A-7 Lab Sample ID: 200-27725-7
Client ID: 101OA0305GA
Operator ID: wrd ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

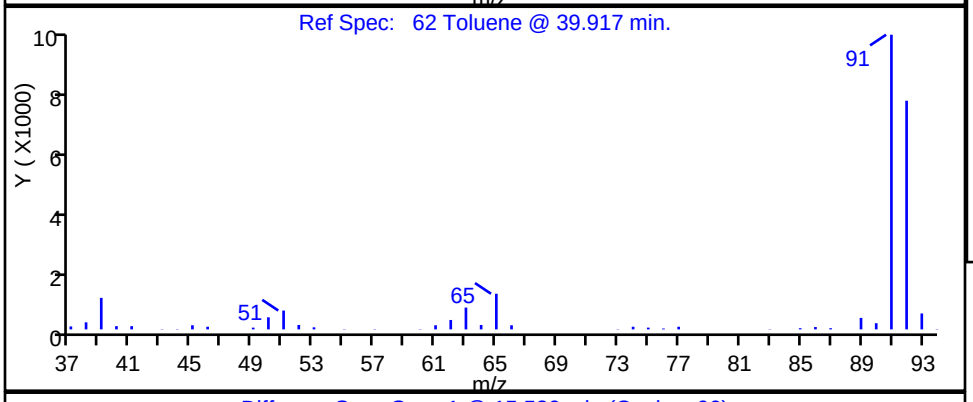
62 Toluene, CAS: 108-88-3

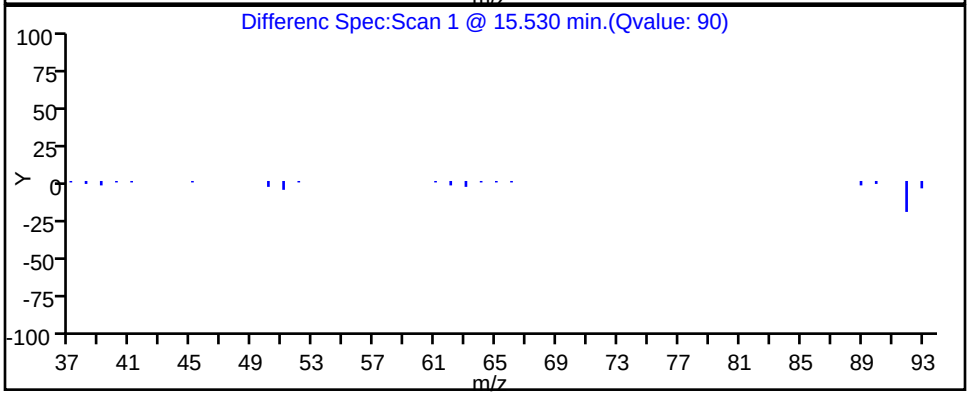












FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-27725-1

SDG No.:

Client Sample ID: 101CA01GA Lab Sample ID: 200-27725-8

Matrix: Air Lab File ID: 13349-017.D

Analysis Method: TO-15 Date Collected: 04/22/2015 09:30

Sample wt/vol: 200(mL) Date Analyzed: 04/30/2015 00:12

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 87597 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	0.53		0.50	0.056
75-45-6	Freon 22	86.47	0.35	J	0.50	0.080
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.080	U	0.20	0.052
74-87-3	Chloromethane	50.49	0.20	U	0.50	0.060
106-97-8	n-Butane	58.12	0.54		0.50	0.18
75-01-4	Vinyl chloride	62.50	0.030	U	0.20	0.026
106-99-0	1,3-Butadiene	54.09	0.080	U	0.20	0.036
74-83-9	Bromomethane	94.94	0.080	U	0.20	0.044
75-00-3	Chloroethane	64.52	0.080	U	0.50	0.061
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.030	U	0.20	0.020
75-69-4	Trichlorofluoromethane	137.37	0.61		0.20	0.045
76-13-1	Freon TF	187.38	0.12	J	0.20	0.041
75-35-4	1,1-Dichloroethene	96.94	0.030	U	0.20	0.010
67-64-1	Acetone	58.08	10		5.0	0.69
67-63-0	Isopropyl alcohol	60.10	2.1	J	5.0	0.15
75-15-0	Carbon disulfide	76.14	0.25	J	0.50	0.030
107-05-1	3-Chloropropene	76.53	0.20	U	0.50	0.16
75-09-2	Methylene Chloride	84.93	0.27	J	0.50	0.12
75-65-0	tert-Butyl alcohol	74.12	0.20	U	5.0	0.12
1634-04-4	Methyl tert-butyl ether	88.15	0.030	U	0.20	0.022
156-60-5	trans-1,2-Dichloroethene	96.94	0.030	U	0.20	0.027
110-54-3	n-Hexane	86.17	0.030	U	0.20	0.028
75-34-3	1,1-Dichloroethane	98.96	0.030	U	0.20	0.028
78-93-3	Methyl Ethyl Ketone	72.11	0.82		0.50	0.092
156-59-2	cis-1,2-Dichloroethene	96.94	0.080	U	0.20	0.030
540-59-0	1,2-Dichloroethene, Total	96.94	0.080	U	0.20	0.053
67-66-3	Chloroform	119.38	19		0.20	0.038
109-99-9	Tetrahydrofuran	72.11	0.26	J	5.0	0.18
71-55-6	1,1,1-Trichloroethane	133.41	0.33		0.20	0.030
110-82-7	Cyclohexane	84.16	0.030	U	0.20	0.010
56-23-5	Carbon tetrachloride	153.81	0.40		0.20	0.011
540-84-1	2,2,4-Trimethylpentane	114.23	0.030	U	0.20	0.023
71-43-2	Benzene	78.11	0.052	J	0.20	0.029
107-06-2	1,2-Dichloroethane	98.96	0.080	U	0.20	0.052

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

Lab Name: TestAmerica Burlington Job No.: 200-27725-1

SDG No.:

Client Sample ID: 101CA01GA Lab Sample ID: 200-27725-8

Matrix: Air Lab File ID: 13349-017.D

Analysis Method: TO-15 Date Collected: 04/22/2015 09:30

Sample wt/vol: 200(mL) Date Analyzed: 04/30/2015 00:12

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 87597 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	0.037
79-01-6	Trichloroethene	131.39	8.6		0.20	0.030
80-62-6	Methyl methacrylate	100.12	0.20	U	0.50	0.096
78-87-5	1,2-Dichloropropane	112.99	0.080	U	0.20	0.035
123-91-1	1,4-Dioxane	88.11	0.20	U	5.0	0.16
75-27-4	Bromodichloromethane	163.83	0.13	J	0.20	0.029
10061-01-5	cis-1,3-Dichloropropene	110.97	0.030	U	0.20	0.029
108-10-1	methyl isobutyl ketone	100.16	0.20	U	0.50	0.18
108-88-3	Toluene	92.14	0.28		0.20	0.025
10061-02-6	trans-1,3-Dichloropropene	110.97	0.030	U	0.20	0.026
79-00-5	1,1,2-Trichloroethane	133.41	0.080	U	0.20	0.037
127-18-4	Tetrachloroethene	165.83	1.7		0.20	0.030
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.20	U	0.50	0.17
124-48-1	Dibromochloromethane	208.29	0.030	U	0.20	0.020
106-93-4	1,2-Dibromoethane	187.87	0.030	U	0.20	0.018
108-90-7	Chlorobenzene	112.56	0.030	U	0.20	0.018
100-41-4	Ethylbenzene	106.17	0.038	J	0.20	0.020
179601-23-1	m,p-Xylene	106.17	0.15	J	0.50	0.025
95-47-6	Xylene, o-	106.17	0.059	J	0.20	0.018
1330-20-7	Xylene (total)	106.17	0.21		0.20	0.041
100-42-5	Styrene	104.15	0.030	U	0.20	0.016
75-25-2	Bromoform	252.75	0.030	U	0.20	0.025
98-82-8	Cumene	120.19	0.030	U	0.20	0.019
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.080	U	0.20	0.034
103-65-1	n-Propylbenzene	120.19	0.030	U	0.20	0.027
622-96-8	4-Ethyltoluene	120.20	0.030	U	0.20	0.020
108-67-8	1,3,5-Trimethylbenzene	120.20	0.030	U	0.20	0.019
95-49-8	2-Chlorotoluene	126.59	0.080	U	0.20	0.031
98-06-6	tert-Butylbenzene	134.22	0.030	U	0.20	0.020
95-63-6	1,2,4-Trimethylbenzene	120.20	0.028	J	0.20	0.016
135-98-8	sec-Butylbenzene	134.22	0.030	U	0.20	0.021
99-87-6	4-Isopropyltoluene	134.22	0.030	U	0.20	0.020
541-73-1	1,3-Dichlorobenzene	147.00	0.030	U	0.20	0.020
106-46-7	1,4-Dichlorobenzene	147.00	0.030	U	0.20	0.019

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

Lab Name: TestAmerica Burlington Job No.: 200-27725-1

SDG No.:

Client Sample ID: 101CA01GA Lab Sample ID: 200-27725-8

Matrix: Air Lab File ID: 13349-017.D

Analysis Method: TO-15 Date Collected: 04/22/2015 09:30

Sample wt/vol: 200(mL) Date Analyzed: 04/30/2015 00:12

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 87597 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	0.030	U	0.20	0.018
104-51-8	n-Butylbenzene	134.22	0.030	U	0.20	0.028
95-50-1	1,2-Dichlorobenzene	147.00	0.030	U	0.20	0.018
120-82-1	1,2,4-Trichlorobenzene	181.45	0.080	U	0.50	0.034
87-68-3	Hexachlorobutadiene	260.76	0.080	U	0.20	0.036
91-20-3	Naphthalene	128.17	0.080	U	0.50	0.030

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

Lab Name: TestAmerica Burlington Job No.: 200-27725-1

SDG No.:

Client Sample ID: 101CA01GA Lab Sample ID: 200-27725-8

Matrix: Air Lab File ID: 13349-017.D

Analysis Method: TO-15 Date Collected: 04/22/2015 09:30

Sample wt/vol: 200(mL) Date Analyzed: 04/30/2015 00:12

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 87597 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	2.6		2.5	0.28
75-45-6	Freon 22	86.47	1.2	J	1.8	0.28
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.56	U	1.4	0.36
74-87-3	Chloromethane	50.49	0.41	U	1.0	0.12
106-97-8	n-Butane	58.12	1.3		1.2	0.43
75-01-4	Vinyl chloride	62.50	0.077	U	0.51	0.066
106-99-0	1,3-Butadiene	54.09	0.18	U	0.44	0.080
74-83-9	Bromomethane	94.94	0.31	U	0.78	0.17
75-00-3	Chloroethane	64.52	0.21	U	1.3	0.16
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.13	U	0.87	0.087
75-69-4	Trichlorofluoromethane	137.37	3.4		1.1	0.25
76-13-1	Freon TF	187.38	0.93	J	1.5	0.31
75-35-4	1,1-Dichloroethene	96.94	0.12	U	0.79	0.040
67-64-1	Acetone	58.08	24		12	1.6
67-63-0	Isopropyl alcohol	60.10	5.2	J	12	0.37
75-15-0	Carbon disulfide	76.14	0.79	J	1.6	0.093
107-05-1	3-Chloropropene	76.53	0.63	U	1.6	0.50
75-09-2	Methylene Chloride	84.93	0.93	J	1.7	0.42
75-65-0	tert-Butyl alcohol	74.12	0.61	U	15	0.36
1634-04-4	Methyl tert-butyl ether	88.15	0.11	U	0.72	0.079
156-60-5	trans-1,2-Dichloroethene	96.94	0.12	U	0.79	0.11
110-54-3	n-Hexane	86.17	0.11	U	0.70	0.099
75-34-3	1,1-Dichloroethane	98.96	0.12	U	0.81	0.11
78-93-3	Methyl Ethyl Ketone	72.11	2.4		1.5	0.27
156-59-2	cis-1,2-Dichloroethene	96.94	0.32	U	0.79	0.12
540-59-0	1,2-Dichloroethene, Total	96.94	0.32	U	0.79	0.21
67-66-3	Chloroform	119.38	92		0.98	0.19
109-99-9	Tetrahydrofuran	72.11	0.77	J	15	0.53
71-55-6	1,1,1-Trichloroethane	133.41	1.8		1.1	0.16
110-82-7	Cyclohexane	84.16	0.10	U	0.69	0.034
56-23-5	Carbon tetrachloride	153.81	2.5		1.3	0.069
540-84-1	2,2,4-Trimethylpentane	114.23	0.14	U	0.93	0.11
71-43-2	Benzene	78.11	0.17	J	0.64	0.093
107-06-2	1,2-Dichloroethane	98.96	0.32	U	0.81	0.21

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

Lab Name: TestAmerica Burlington Job No.: 200-27725-1

SDG No.:

Client Sample ID: 101CA01GA Lab Sample ID: 200-27725-8

Matrix: Air Lab File ID: 13349-017.D

Analysis Method: TO-15 Date Collected: 04/22/2015 09:30

Sample wt/vol: 200(mL) Date Analyzed: 04/30/2015 00:12

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 87597 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	0.15
79-01-6	Trichloroethene	131.39	46		1.1	0.16
80-62-6	Methyl methacrylate	100.12	0.82	U	2.0	0.39
78-87-5	1,2-Dichloropropane	112.99	0.37	U	0.92	0.16
123-91-1	1,4-Dioxane	88.11	0.72	U	18	0.58
75-27-4	Bromodichloromethane	163.83	0.89	J	1.3	0.19
10061-01-5	cis-1,3-Dichloropropene	110.97	0.14	U	0.91	0.13
108-10-1	methyl isobutyl ketone	100.16	0.82	U	2.0	0.74
108-88-3	Toluene	92.14	1.0		0.75	0.094
10061-02-6	trans-1,3-Dichloropropene	110.97	0.14	U	0.91	0.12
79-00-5	1,1,2-Trichloroethane	133.41	0.44	U	1.1	0.20
127-18-4	Tetrachloroethene	165.83	11		1.4	0.20
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.82	U	2.0	0.70
124-48-1	Dibromochloromethane	208.29	0.26	U	1.7	0.17
106-93-4	1,2-Dibromoethane	187.87	0.23	U	1.5	0.14
108-90-7	Chlorobenzene	112.56	0.14	U	0.92	0.083
100-41-4	Ethylbenzene	106.17	0.16	J	0.87	0.087
179601-23-1	m,p-Xylene	106.17	0.66	J	2.2	0.11
95-47-6	Xylene, o-	106.17	0.25	J	0.87	0.078
1330-20-7	Xylene (total)	106.17	0.91		0.87	0.18
100-42-5	Styrene	104.15	0.13	U	0.85	0.068
75-25-2	Bromoform	252.75	0.31	U	2.1	0.26
98-82-8	Cumene	120.19	0.15	U	0.98	0.093
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.55	U	1.4	0.23
103-65-1	n-Propylbenzene	120.19	0.15	U	0.98	0.13
622-96-8	4-Ethyltoluene	120.20	0.15	U	0.98	0.098
108-67-8	1,3,5-Trimethylbenzene	120.20	0.15	U	0.98	0.093
95-49-8	2-Chlorotoluene	126.59	0.41	U	1.0	0.16
98-06-6	tert-Butylbenzene	134.22	0.16	U	1.1	0.11
95-63-6	1,2,4-Trimethylbenzene	120.20	0.14	J	0.98	0.079
135-98-8	sec-Butylbenzene	134.22	0.16	U	1.1	0.12
99-87-6	4-Isopropyltoluene	134.22	0.16	U	1.1	0.11
541-73-1	1,3-Dichlorobenzene	147.00	0.18	U	1.2	0.12
106-46-7	1,4-Dichlorobenzene	147.00	0.18	U	1.2	0.11

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

Lab Name: TestAmerica Burlington Job No.: 200-27725-1

SDG No.:

Client Sample ID: 101CA01GA Lab Sample ID: 200-27725-8

Matrix: Air Lab File ID: 13349-017.D

Analysis Method: TO-15 Date Collected: 04/22/2015 09:30

Sample wt/vol: 200(mL) Date Analyzed: 04/30/2015 00:12

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 87597 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	0.16	U	1.0	0.093
104-51-8	n-Butylbenzene	134.22	0.16	U	1.1	0.15
95-50-1	1,2-Dichlorobenzene	147.00	0.18	U	1.2	0.11
120-82-1	1,2,4-Trichlorobenzene	181.45	0.59	U	3.7	0.25
87-68-3	Hexachlorobutadiene	260.76	0.85	U	2.1	0.38
91-20-3	Naphthalene	128.17	0.42	U	2.6	0.16

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHX.i\20150429-13349.b\13349-017.D
Lims ID: 200-27725-A-8 Lab Sample ID: 200-27725-8
Client ID: 101CA01GA
Sample Type: Client
Inject. Date: 30-Apr-2015 00:12:30 ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0013349-017
Misc. Info.: 27725-08
Operator ID: wrd Instrument ID: CHX.i

Method: \\BTV-LIMS1\ChromData\CHX.i\20150429-13349.b\TO15_LLNJ_TO3_CHX.i.m.m
Limit Group: AI_TO15_ICAL
Last Update: 30-Apr-2015 08:55:06 Calib Date: 20-Mar-2015 00:18:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHX.i\20150319-12677.b\12677-011.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK004

First Level Reviewer: lyonsb Date: 30-Apr-2015 08:51:38

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	3.113	3.113	0.000	99	36552	0.5259	
3 Chlorodifluoromethane	51	3.161	3.167	-0.006	97	11855	0.3517	
4 1,2-Dichloro-1,1,2,2-tetra	85		3.375				ND	
5 Chloromethane	50		3.520				ND	
6 Butane	43	3.712	3.712	0.000	98	15361	0.5422	
7 Vinyl chloride	62		3.761				ND	
8 Butadiene	54		3.835				ND	
9 Bromomethane	94		4.510				ND	
10 Chloroethane	64		4.740				ND	
12 Vinyl bromide	106		5.125				ND	
13 Trichlorofluoromethane	101	5.210	5.216	-0.006	98	45610	0.6080	
18 1,1,2-Trichloro-1,2,2-trif	101	6.270	6.270	0.000	81	6984	0.1212	
20 1,1-Dichloroethene	96		6.328				ND	
21 Acetone	43	6.575	6.575	0.000	89	304619	9.98	
22 Carbon disulfide	76	6.719	6.724	-0.005	98	17436	0.2530	
23 Isopropyl alcohol	45	6.858	6.847	0.011	98	60504	2.11	
24 3-Chloro-1-propene	41		7.115				ND	
26 Methylene Chloride	49	7.404	7.409	-0.005	88	6771	0.2684	
28 2-Methyl-2-propanol	59		7.618				ND	
29 Methyl tert-butyl ether	73		7.794				ND	
30 trans-1,2-Dichloroethene	61		7.837				ND	
32 Hexane	57		8.206				ND	
33 1,1-Dichloroethane	63		8.720				ND	
35 cis-1,2-Dichloroethene	96		9.838				ND	
36 2-Butanone (MEK)	72	9.886	9.886	0.000	97	13448	0.8233	
S 38 1,2-Dichloroethene, Total	61		10.000				ND	
39 Tetrahydrofuran	42	10.303	10.298	0.005	43	5980	0.2603	
* 40 Chlorobromomethane	128	10.303	10.314	-0.011	80	332953	10.0	
41 Chloroform	83	10.432	10.437	-0.005	100	1210375	18.8	
42 Cyclohexane	84		10.678				ND	
43 1,1,1-Trichloroethane	97	10.705	10.715	-0.011	96	20699	0.3325	

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
	44 Carbon tetrachloride	117	10.956	10.967	-0.011	98	27069	0.3970	
	45 Isooctane	57		11.395				ND	
	46 Benzene	78	11.448	11.448	0.000	91	4962	0.0523	
	47 1,2-Dichloroethane	62		11.646				ND	
	48 n-Heptane	43		11.785				ND	
*	50 1,4-Difluorobenzene	114	12.299	12.304	-0.005	93	1620369	10.0	
	52 Trichloroethene	95	12.780	12.786	-0.006	96	390317	8.63	
	53 1,2-Dichloropropane	63		13.379				ND	
	54 Methyl methacrylate	69		13.529				ND	
	55 1,4-Dioxane	88		13.593				ND	
	57 Dichlorobromomethane	83	13.957	13.957	0.000	98	9153	0.1325	
	58 cis-1,3-Dichloropropene	75		14.931				ND	
	61 4-Methyl-2-pentanone (MIBK	43		15.220				ND	
	62 Toluene	92	15.530	15.535	-0.005	92	20117	0.2773	
	67 trans-1,3-Dichloropropene	75		16.156				ND	
	68 1,1,2-Trichloroethane	83		16.546				ND	
	69 Tetrachloroethene	166	16.643	16.637	0.006	97	121323	1.66	
	70 2-Hexanone	43		16.985				ND	
	71 Chlorodibromomethane	129		17.327				ND	
	72 Ethylene Dibromide	107		17.611				ND	
*	73 Chlorobenzene-d5	117	18.515	18.520	-0.005	84	1436008	10.0	
	74 Chlorobenzene	112		18.579				ND	
	75 Ethylbenzene	91	18.718	18.724	-0.006	95	6101	0.0380	
	77 m-Xylene & p-Xylene	106	18.964	18.975	-0.011	97	10024	0.1509	
	78 o-Xylene	106	19.778	19.783	-0.005	94	3845	0.0585	
	79 Styrene	104		19.836				ND	
S	80 Xylenes, Total	106				0		0.2094	
	81 Bromoform	173		20.243				ND	
	82 Isopropylbenzene	105		20.414				ND	
*	83 4-Bromofluorobenzene	95	20.773	20.773	0.000	98	966092	10.0	
	85 1,1,2,2-Tetrachloroethane	83		21.040				ND	
	86 N-Propylbenzene	91		21.094				ND	
	89 4-Ethyltoluene	105		21.276				ND	
	90 2-Chlorotoluene	91		21.297				ND	
	91 1,3,5-Trimethylbenzene	105		21.372				ND	
	93 tert-Butylbenzene	119		21.848				ND	
	94 1,2,4-Trimethylbenzene	105	21.934	21.939	-0.005	49	4607	0.0280	7
	95 sec-Butylbenzene	105		22.158				ND	
	96 4-Isopropyltoluene	119		22.356				ND	
	97 1,3-Dichlorobenzene	146		22.404				ND	
	98 1,4-Dichlorobenzene	146		22.543				ND	
	99 Benzyl chloride	91		22.747				ND	
	101 n-Butylbenzene	91		22.950				ND	
	102 1,2-Dichlorobenzene	146		23.105				ND	
	104 1,2,4-Trichlorobenzene	180		25.759				ND	
	105 Hexachlorobutadiene	225		25.940				ND	
	106 Naphthalene	128		26.294				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

ATTO15GIS_00009 Amount Added: 20.00 Units: mL Run Reagent

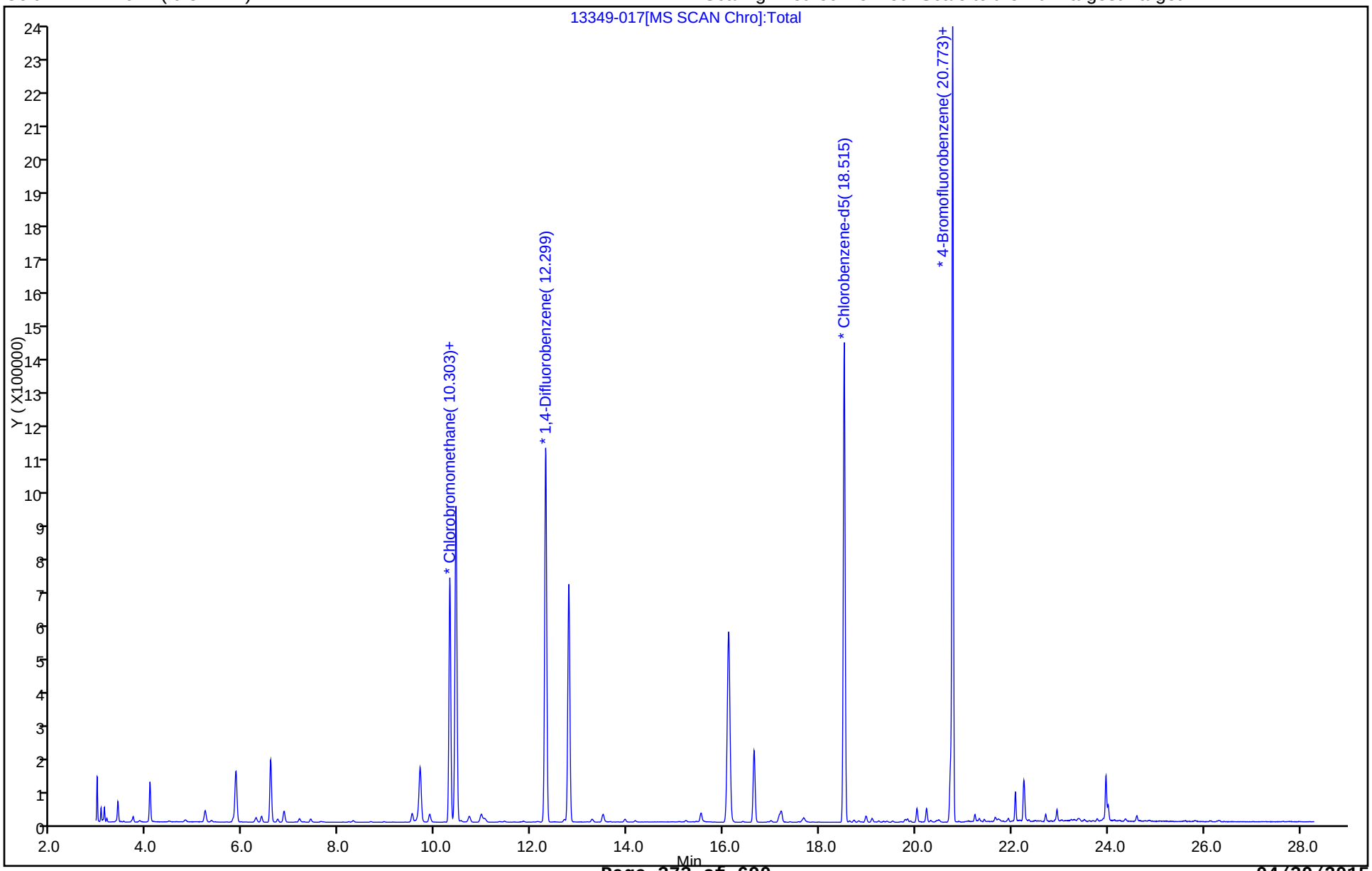
Report Date: 30-Apr-2015 08:55:37 Chrom Revision: 2.2 09-Apr-2015 10:05:40

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHX.i\20150429-13349.b\13349-017.D

Injection Date:	30-Apr-2015 00:12:30	Instrument ID:	CHX.i	Operator ID:	wrd
Lims ID:	200-27725-A-8	Lab Sample ID:	200-27725-8	Worklist Smp#:	17
Client ID:	101CA01GA				
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	16
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1

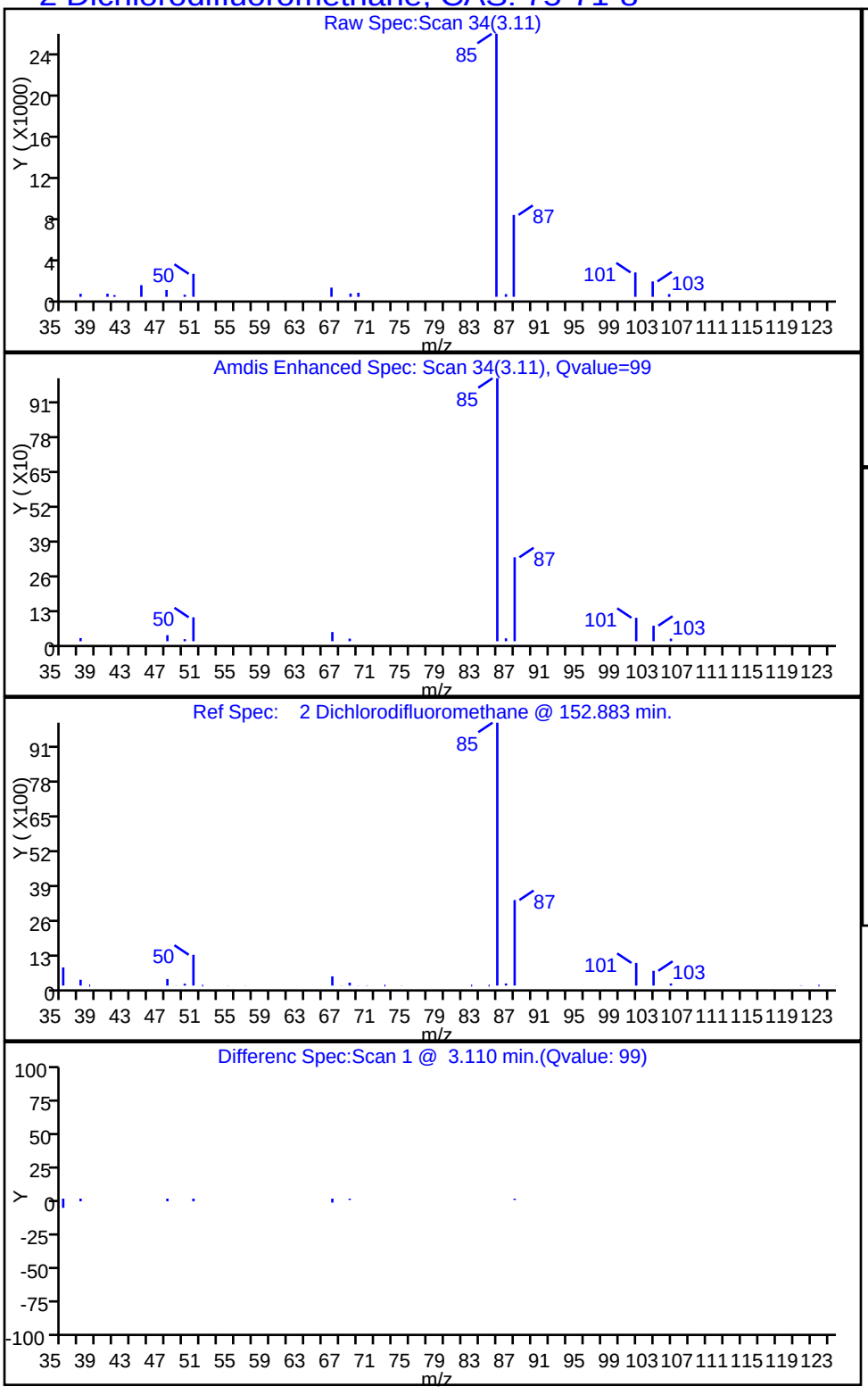


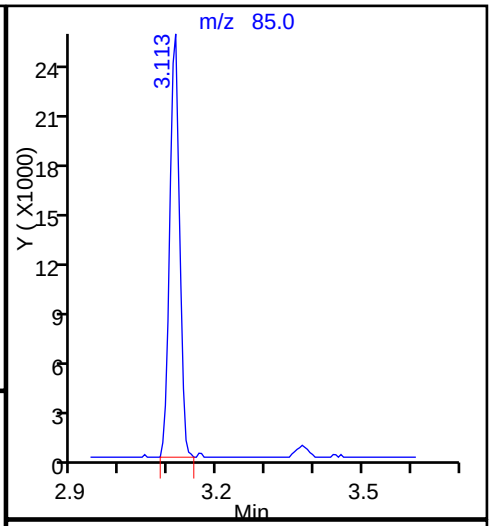
TestAmerica Burlington

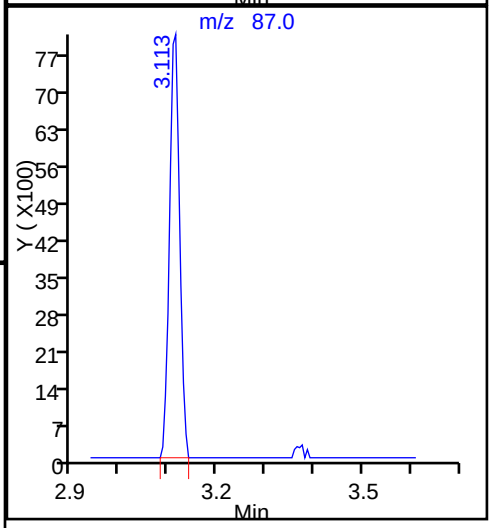
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Injection Date:	30-Apr-2015 00:12:30	Instrument ID:	CHX.i		
Lims ID:	200-27725-A-8	Lab Sample ID:	200-27725-8		
Client ID:	101CA01GA				
Operator ID:	wrd	ALS Bottle#:	16	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

2 Dichlorodifluoromethane, CAS: 75-71-8





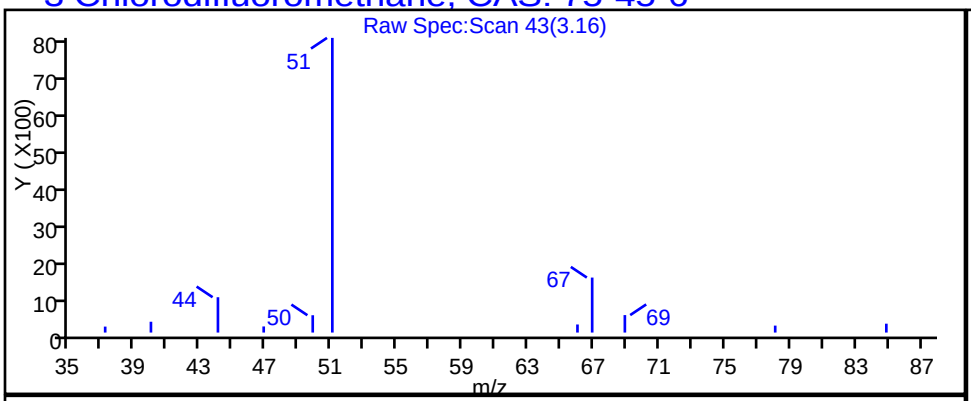


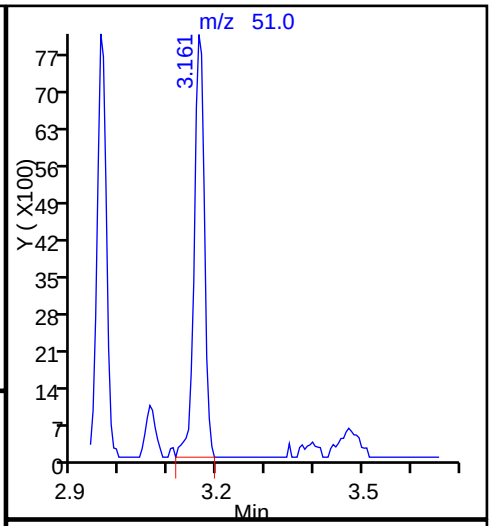
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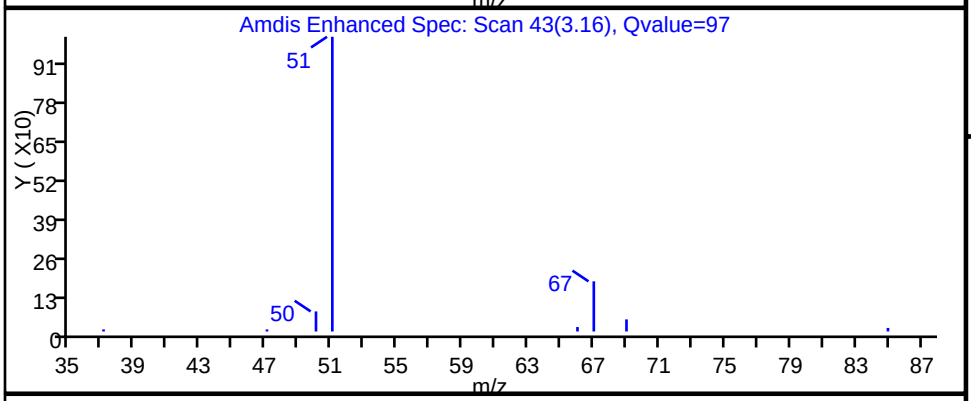
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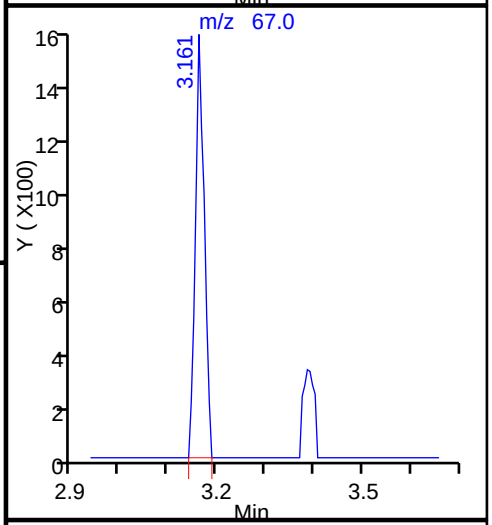
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Lims ID:	200-27725-A-8	Lab Sample ID:	200-27725-8		
Client ID:	101CA01GA				
Operator ID:	wrd	ALS Bottle#:	16	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

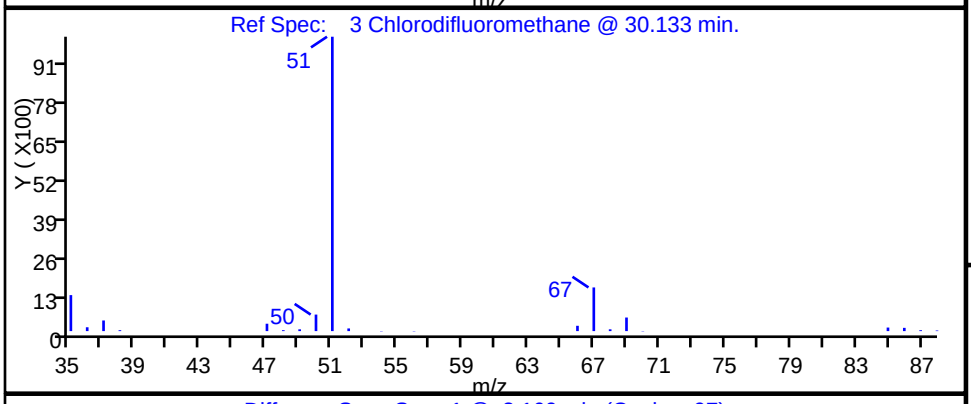
3 Chlorodifluoromethane, CAS: 75-45-6

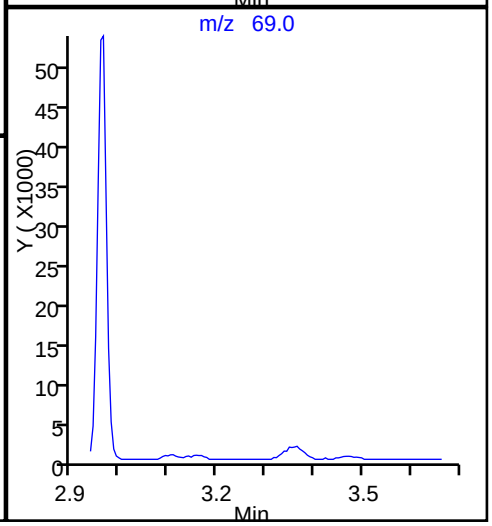


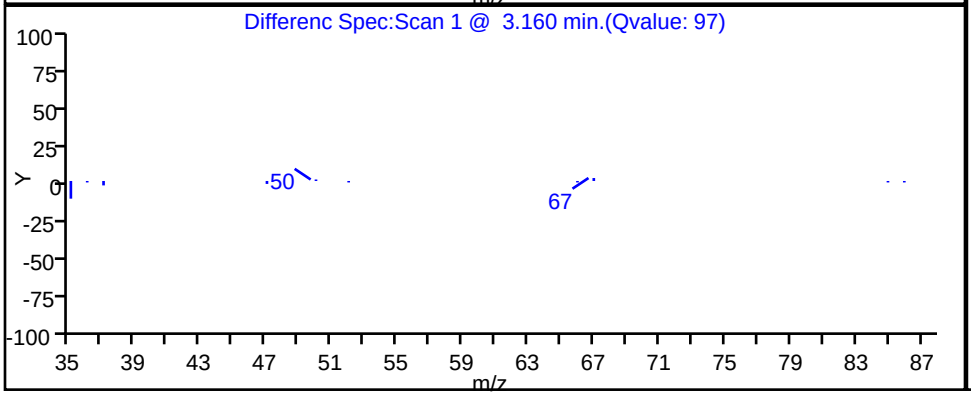








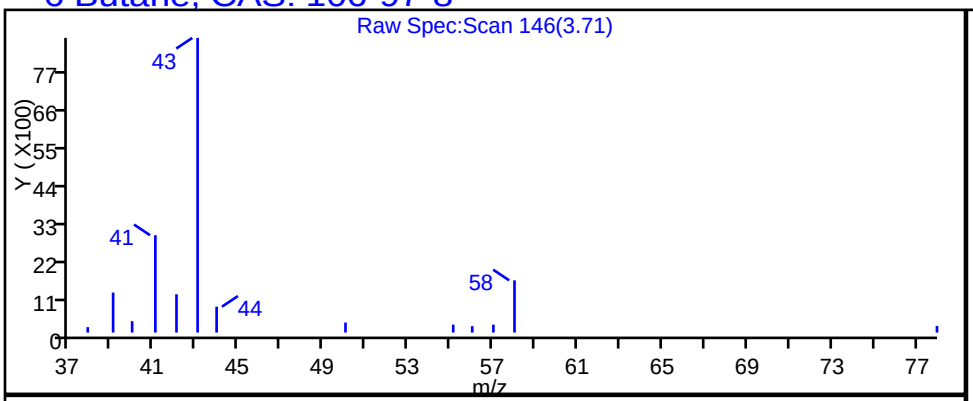


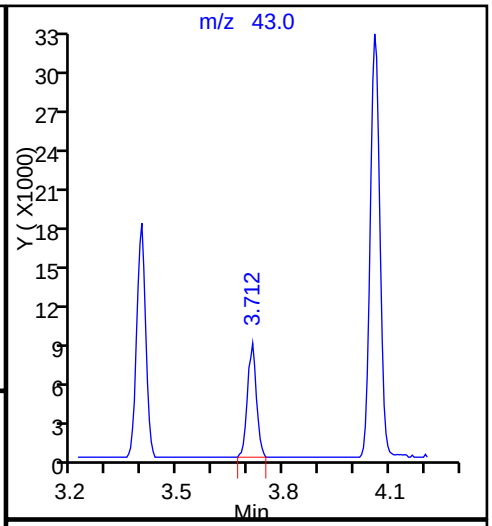


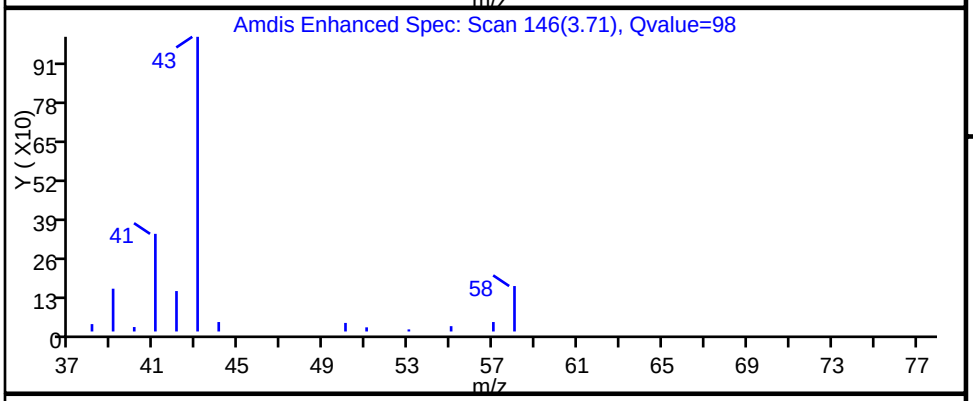
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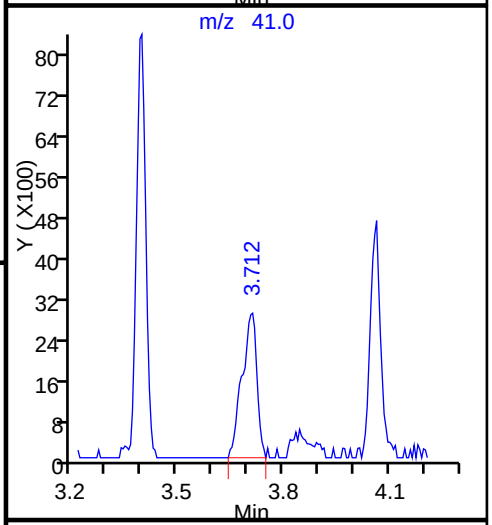
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Lims ID: 200-27725-A-8 Lab Sample ID: 200-27725-8
Client ID: 101CA01GA
Operator ID: wrd ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

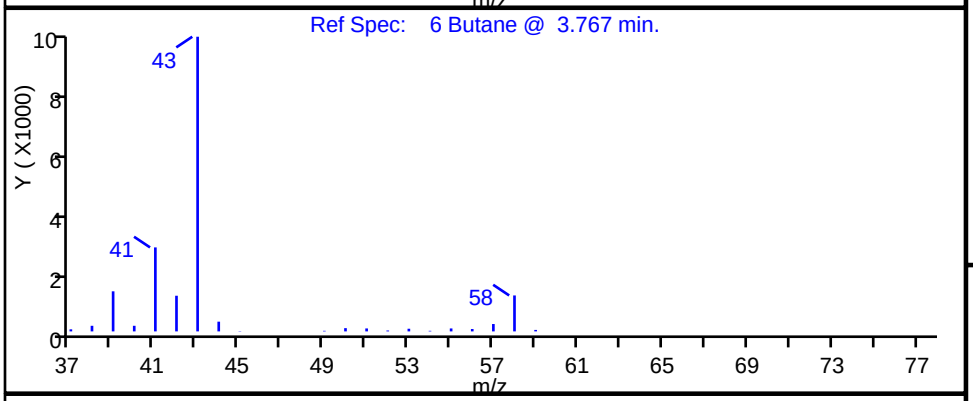
6 Butane, CAS: 106-97-8

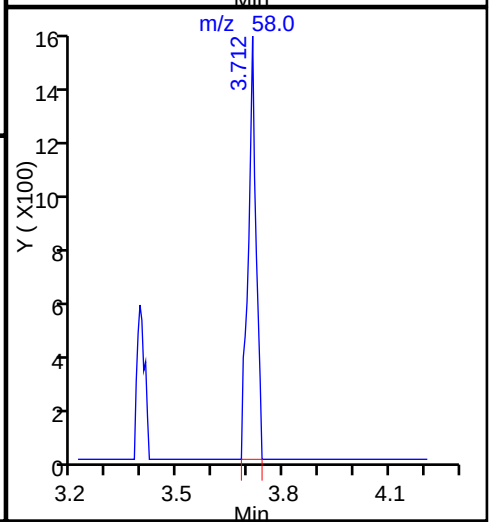


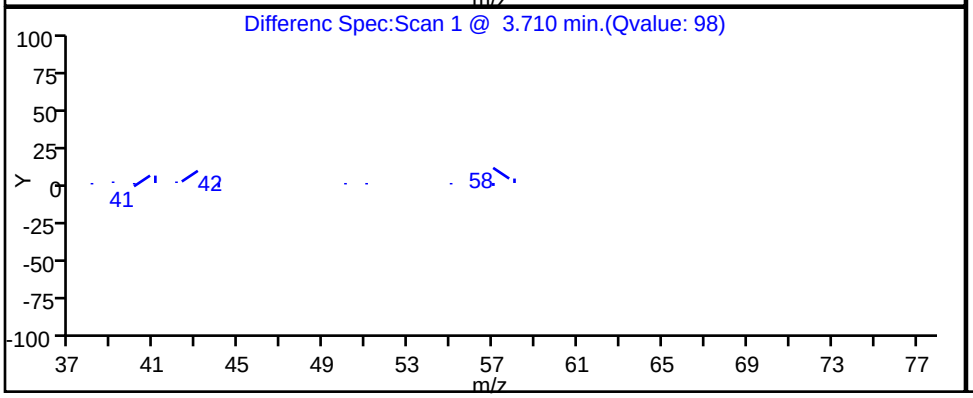








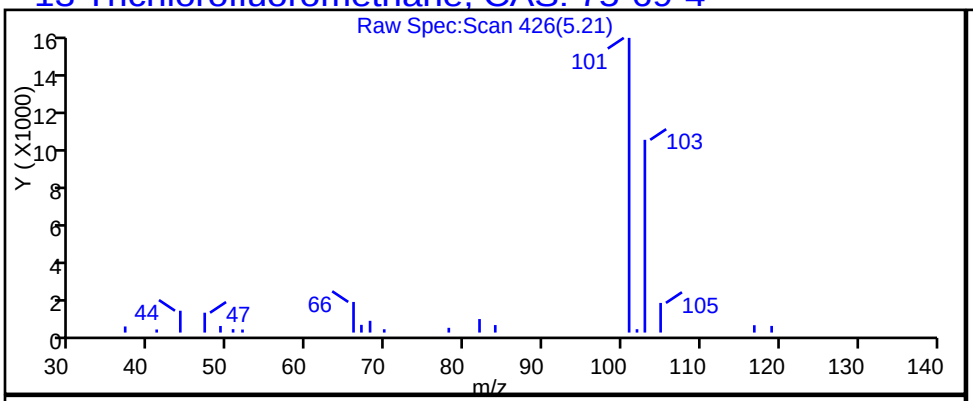


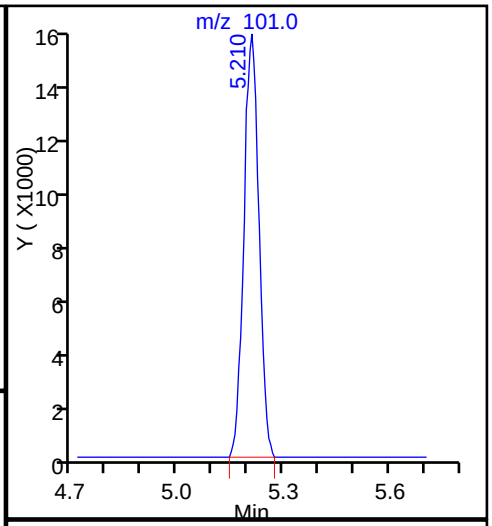


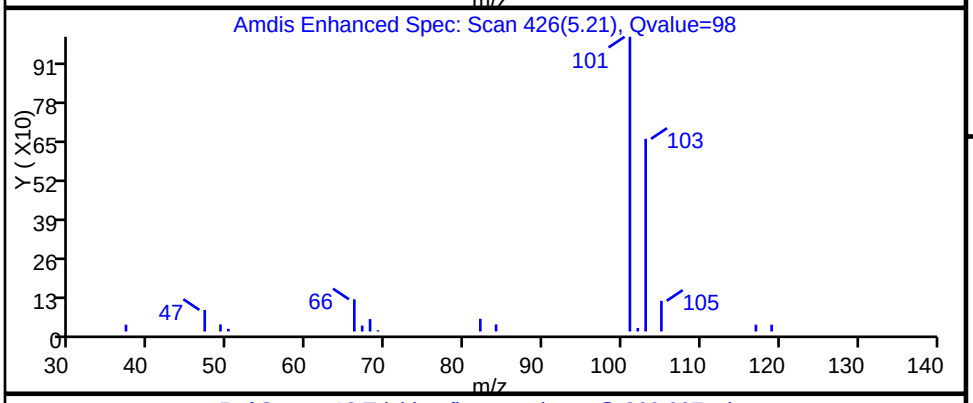
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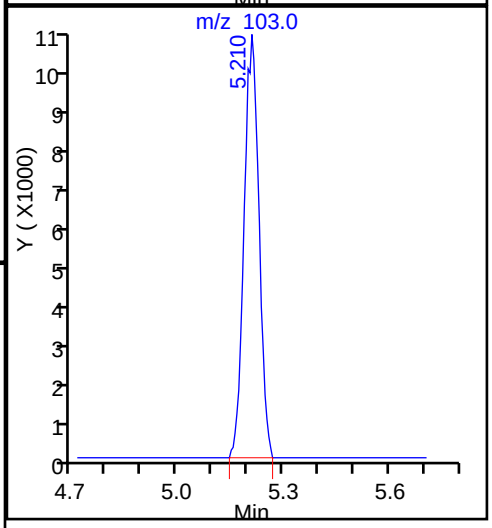
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Lims ID: 200-27725-A-8 Lab Sample ID: 200-27725-8
Client ID: 101CA01GA
Operator ID: wrd ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

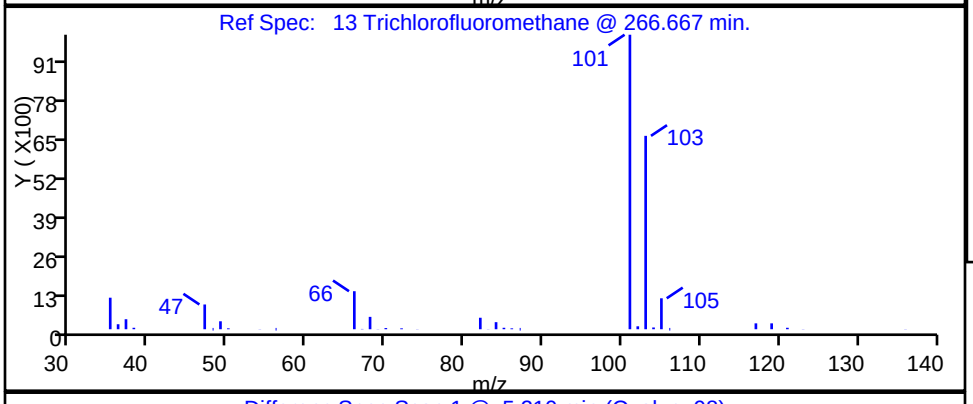
13 Trichlorofluoromethane, CAS: 75-69-4

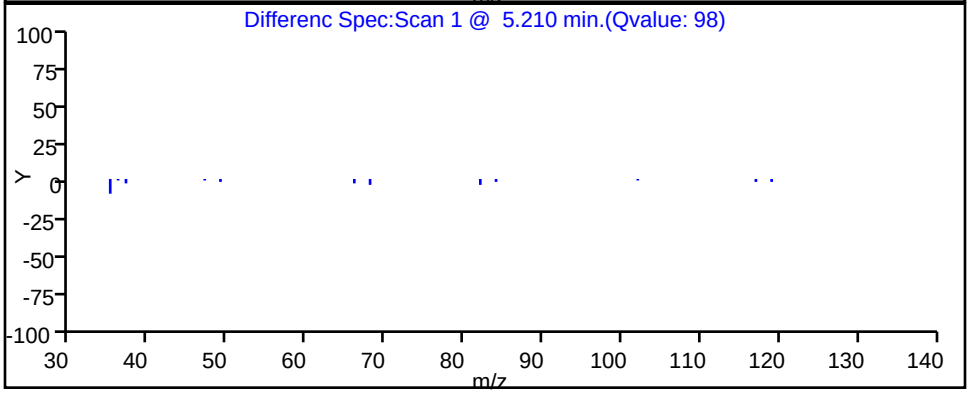








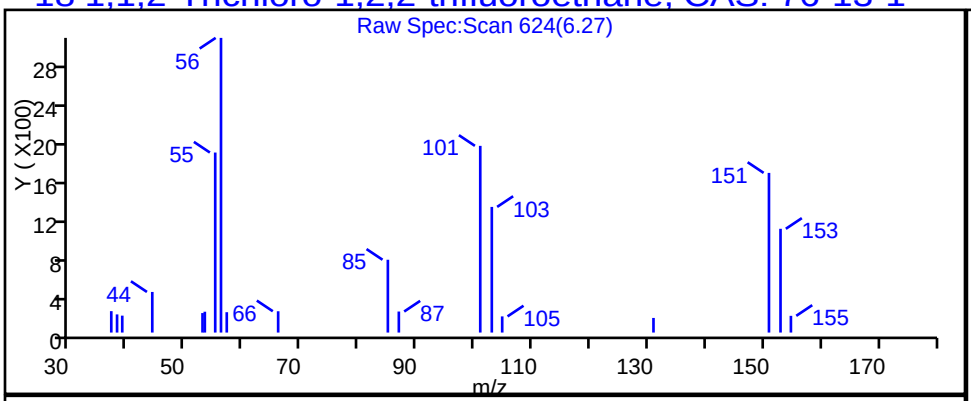


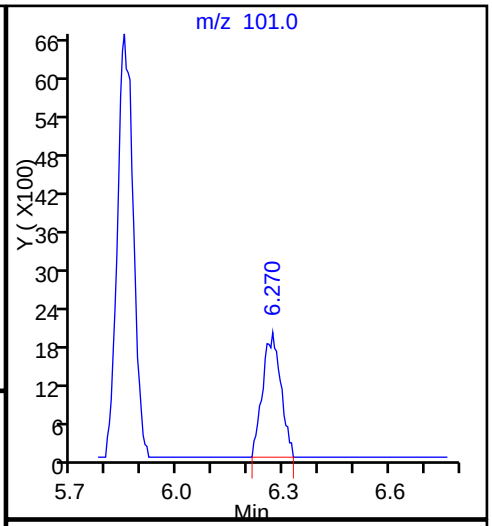


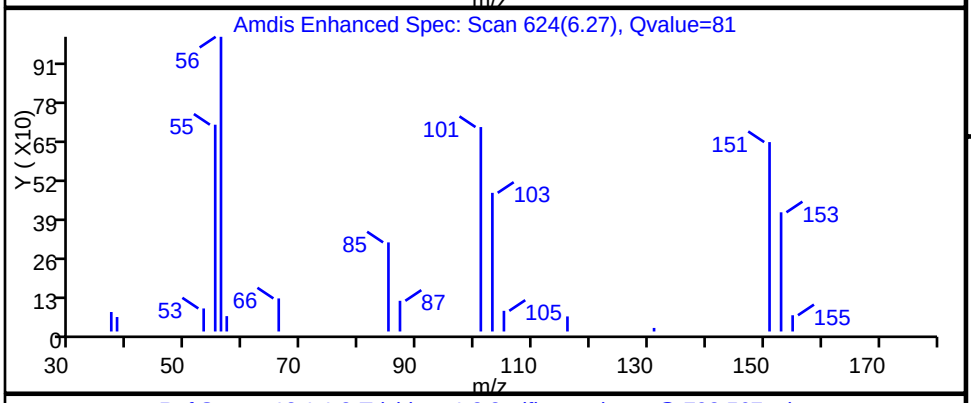
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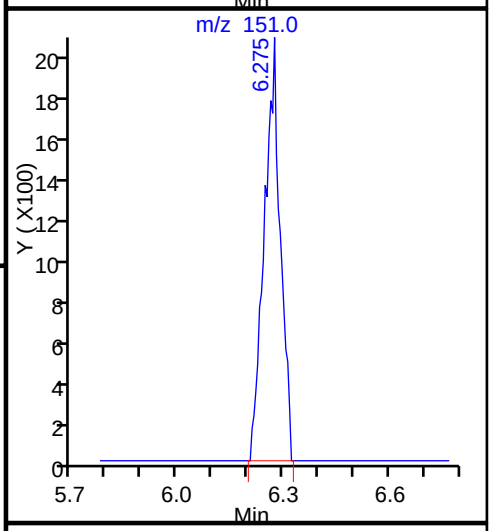
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Lims ID: 200-27725-A-8 Lab Sample ID: 200-27725-8
Client ID: 101CA01GA
Operator ID: wrd ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

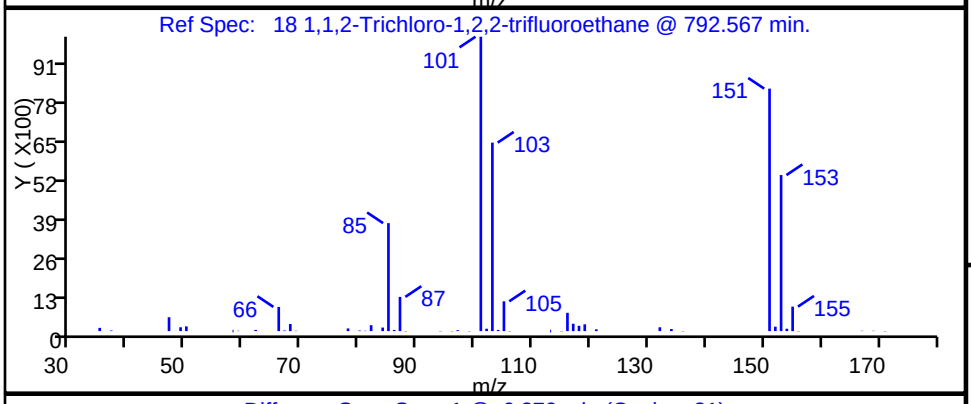
18 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

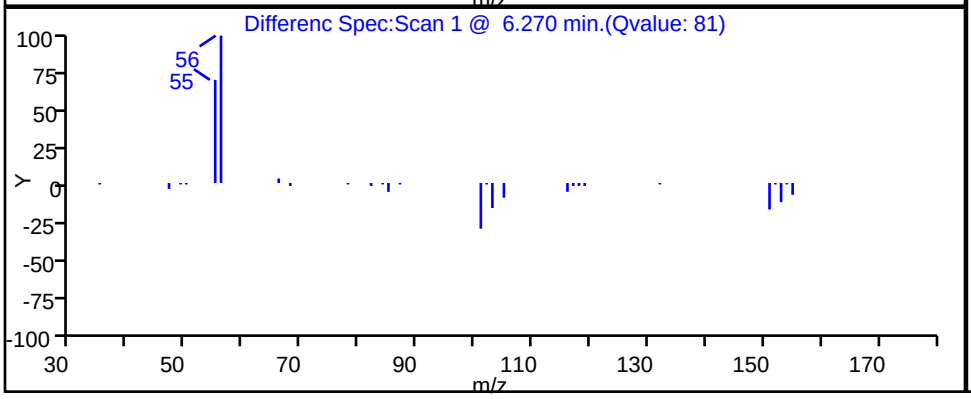


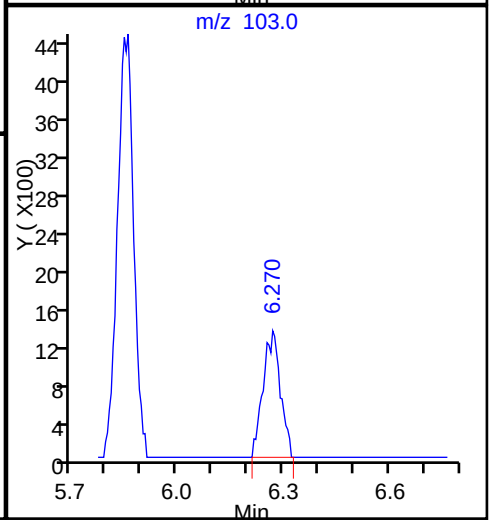








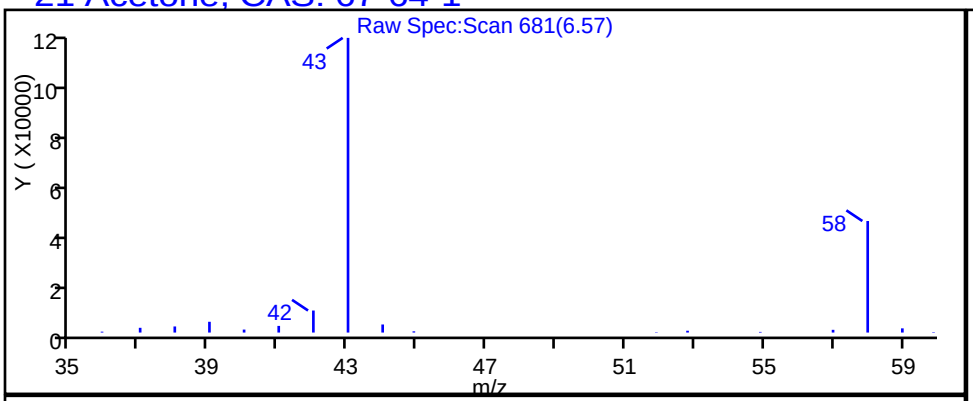


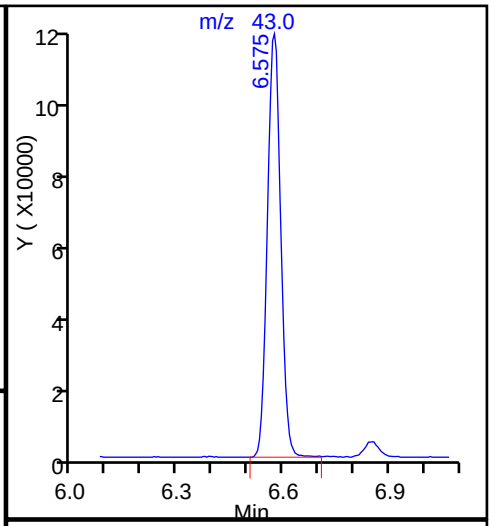


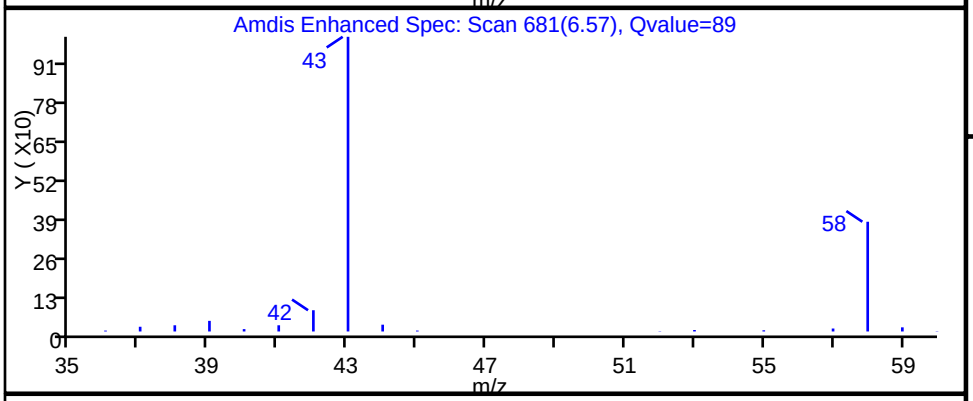
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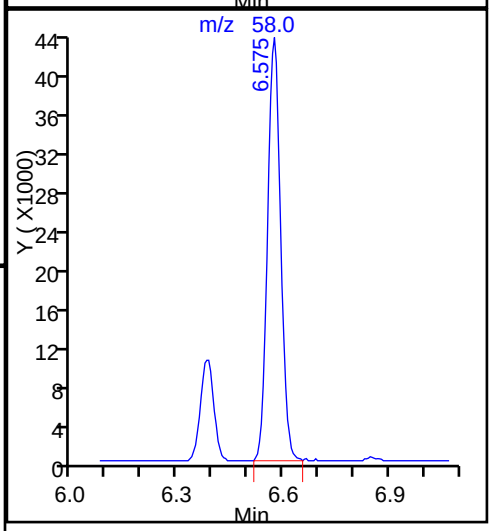
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Lims ID:	200-27725-A-8	Lab Sample ID:	200-27725-8		
Client ID:	101CA01GA				
Operator ID:	wrd	ALS Bottle#:	16	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

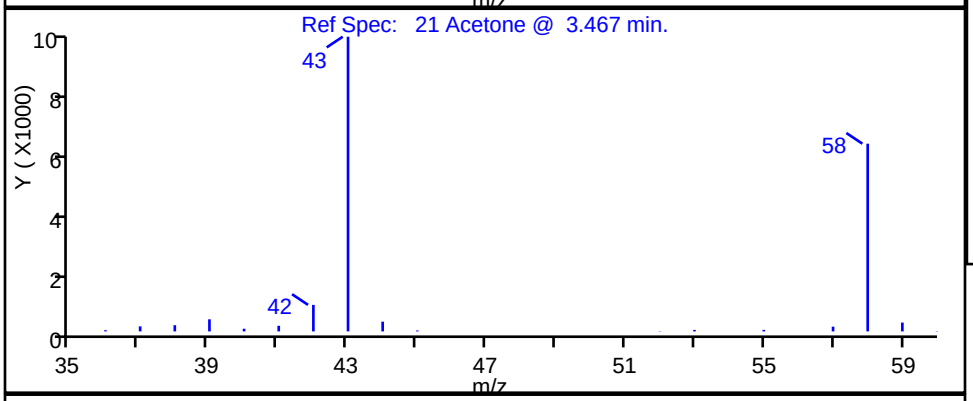
21 Acetone, CAS: 67-64-1

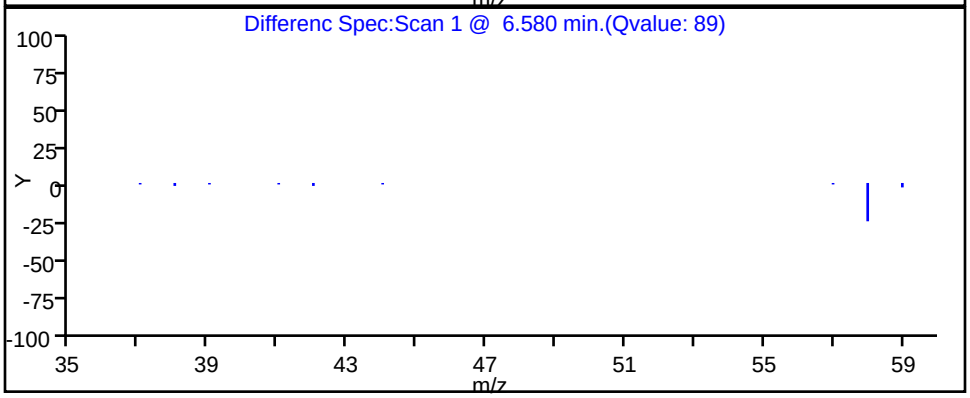








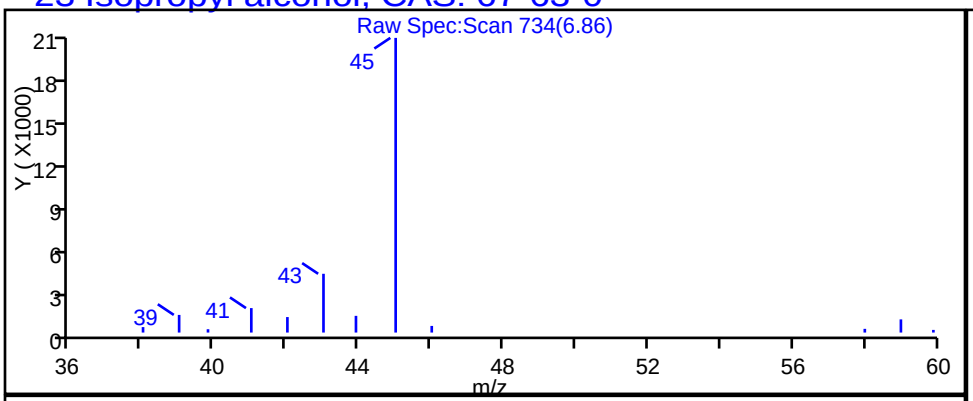


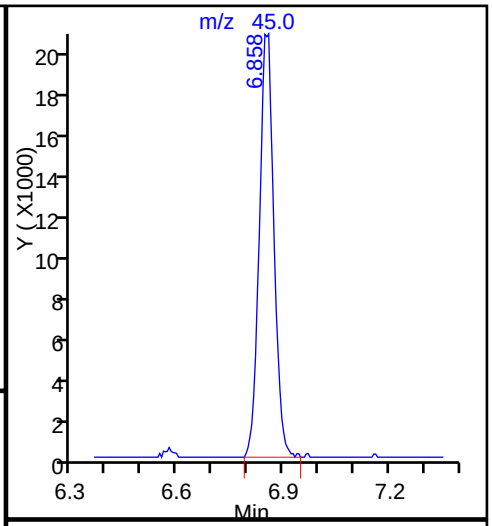


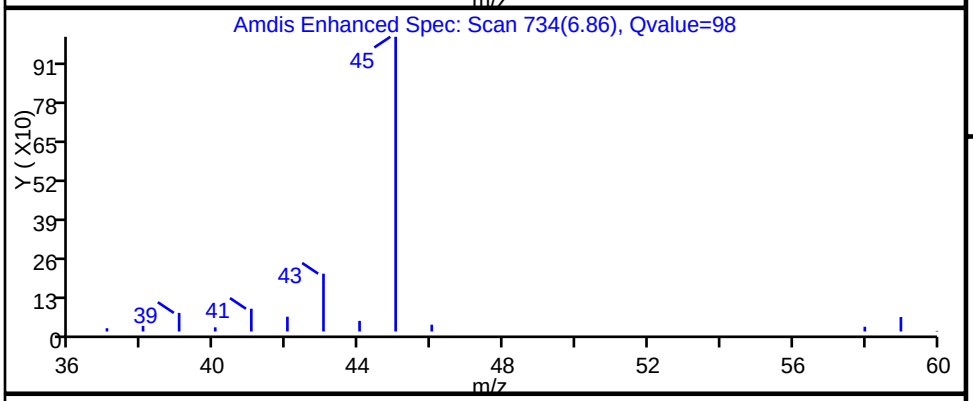
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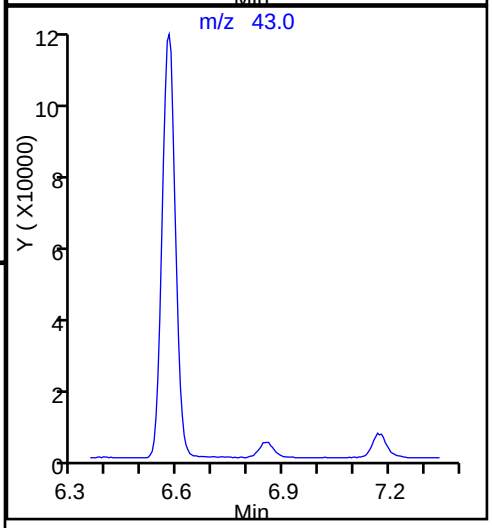
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Client ID:	101CA01GA				
Operator ID:	wrd	ALS Bottle#:	16	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

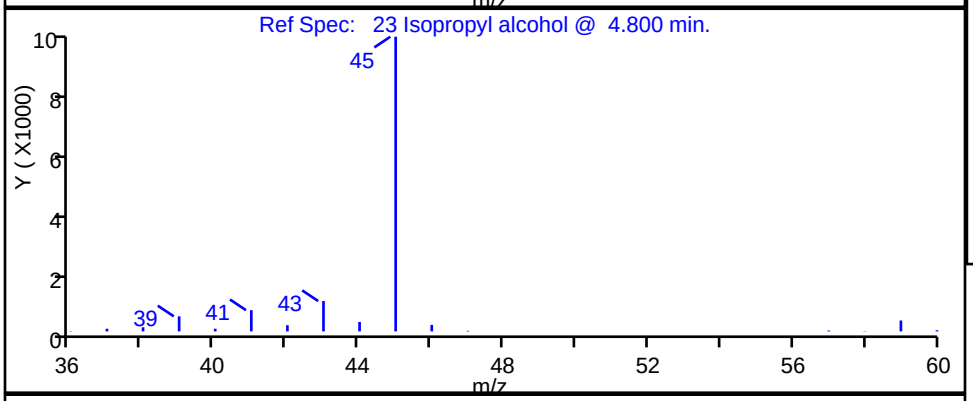
23 Isopropyl alcohol, CAS: 67-63-0

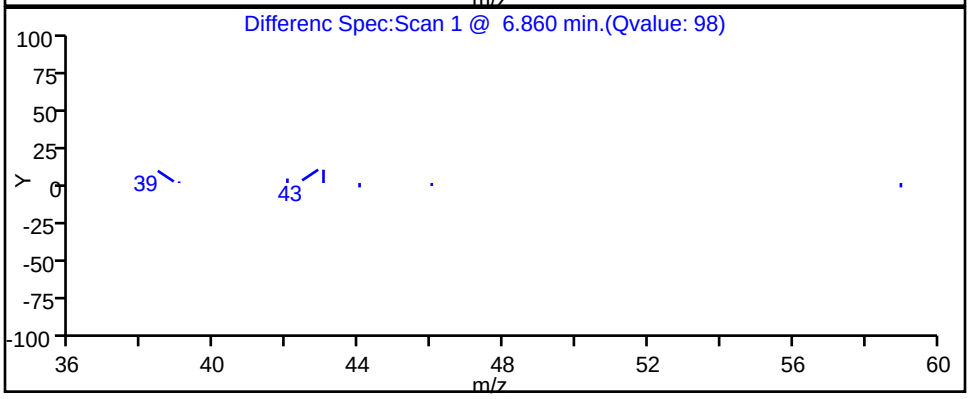










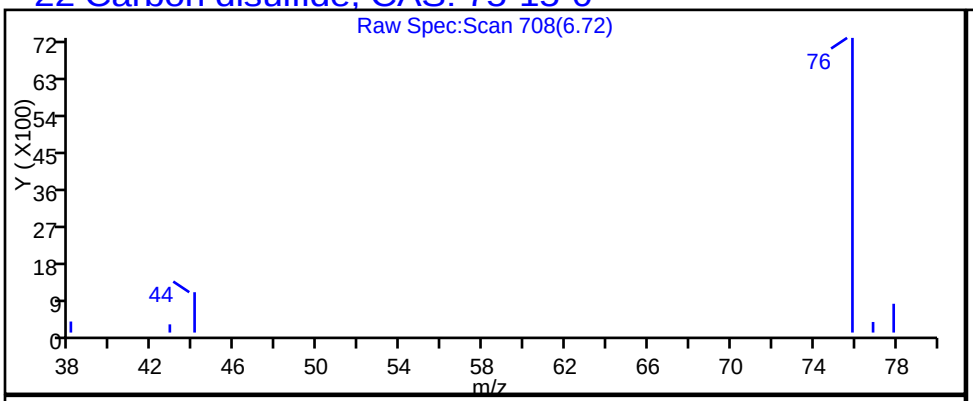


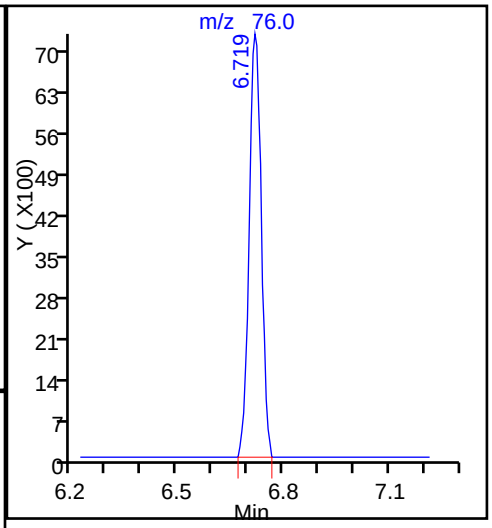
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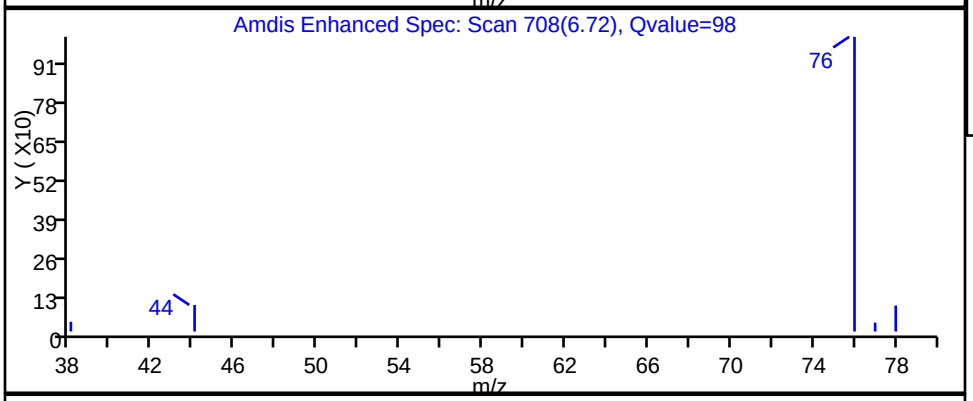
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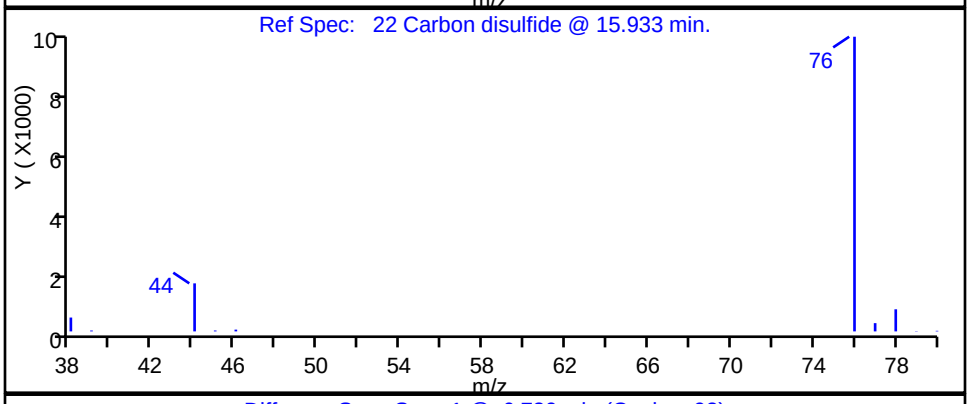
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Client ID:	101CA01GA				
Operator ID:	wrd	ALS Bottle#:	16	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

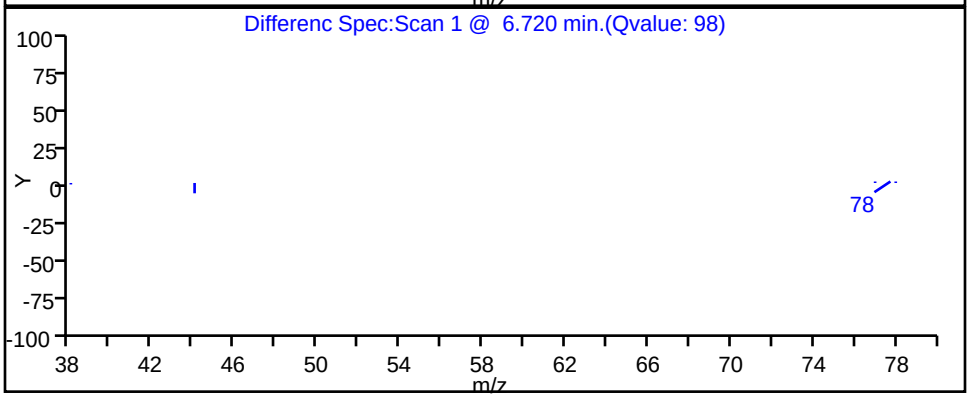
22 Carbon disulfide, CAS: 75-15-0







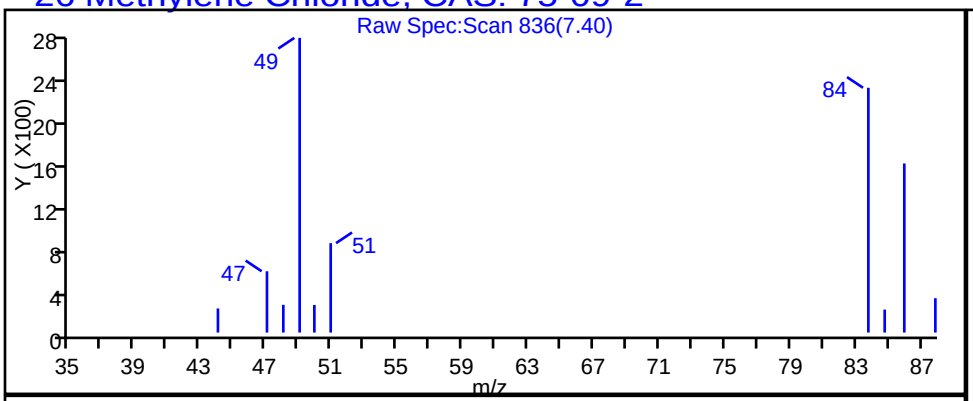


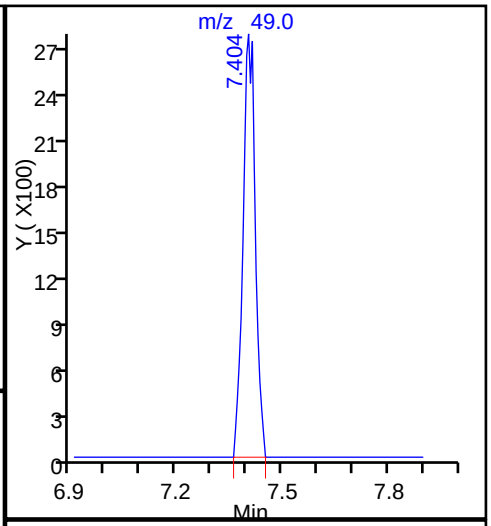


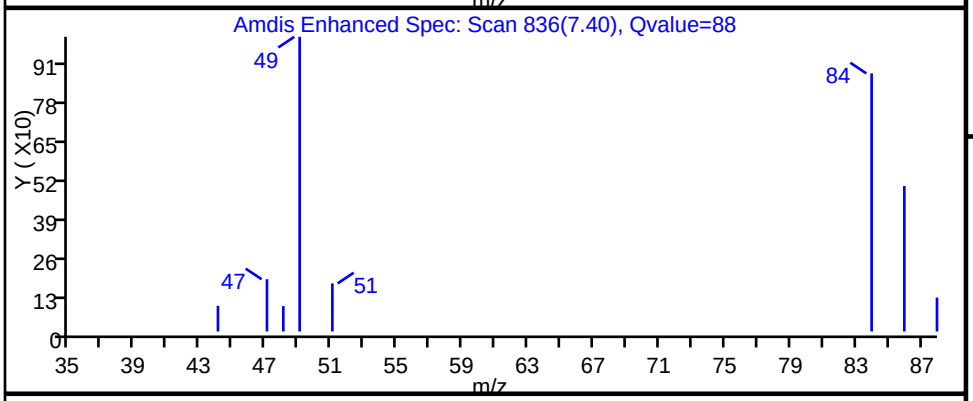
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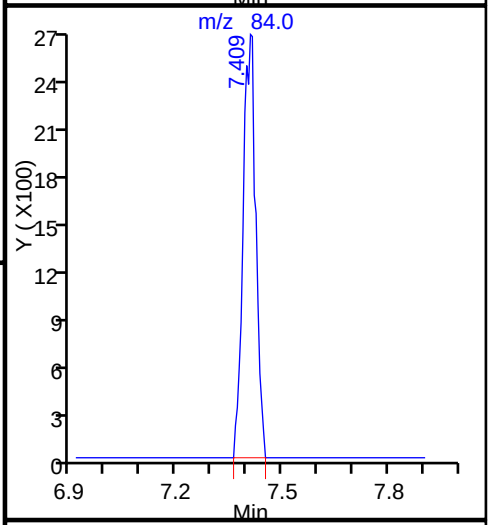
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Lims ID: 200-27725-A-8 Lab Sample ID: 200-27725-8
Client ID: 101CA01GA
Operator ID: wrd ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

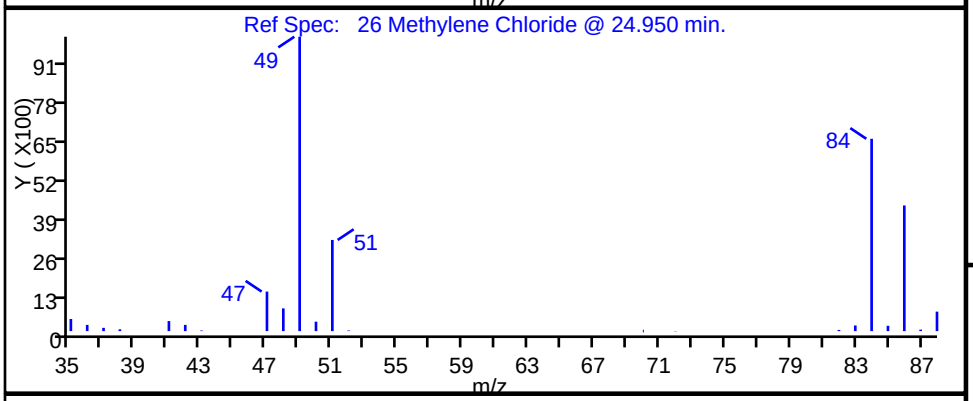
26 Methylene Chloride, CAS: 75-09-2

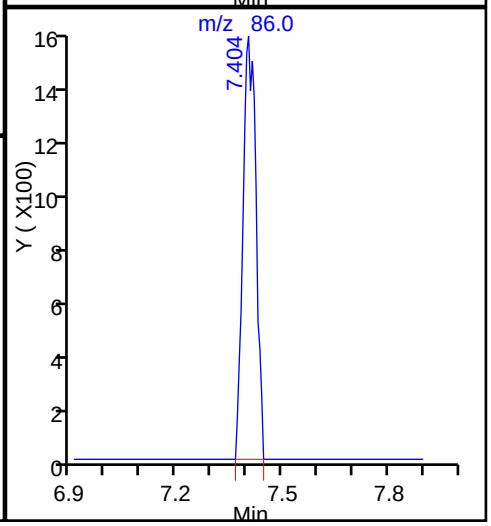


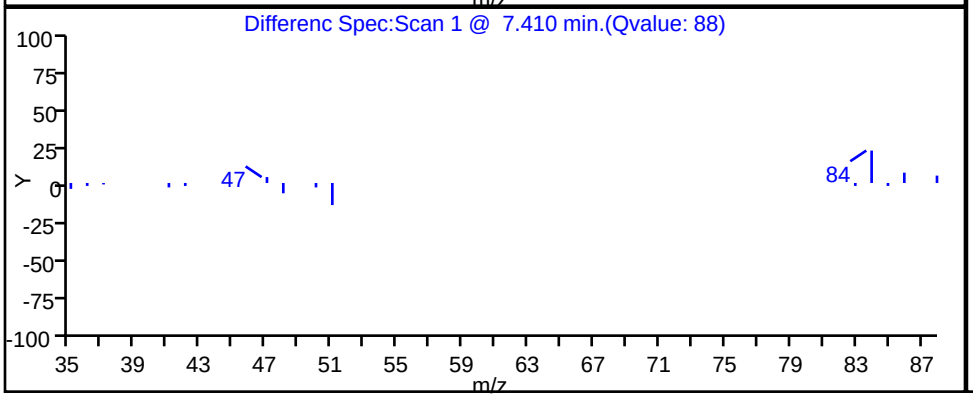








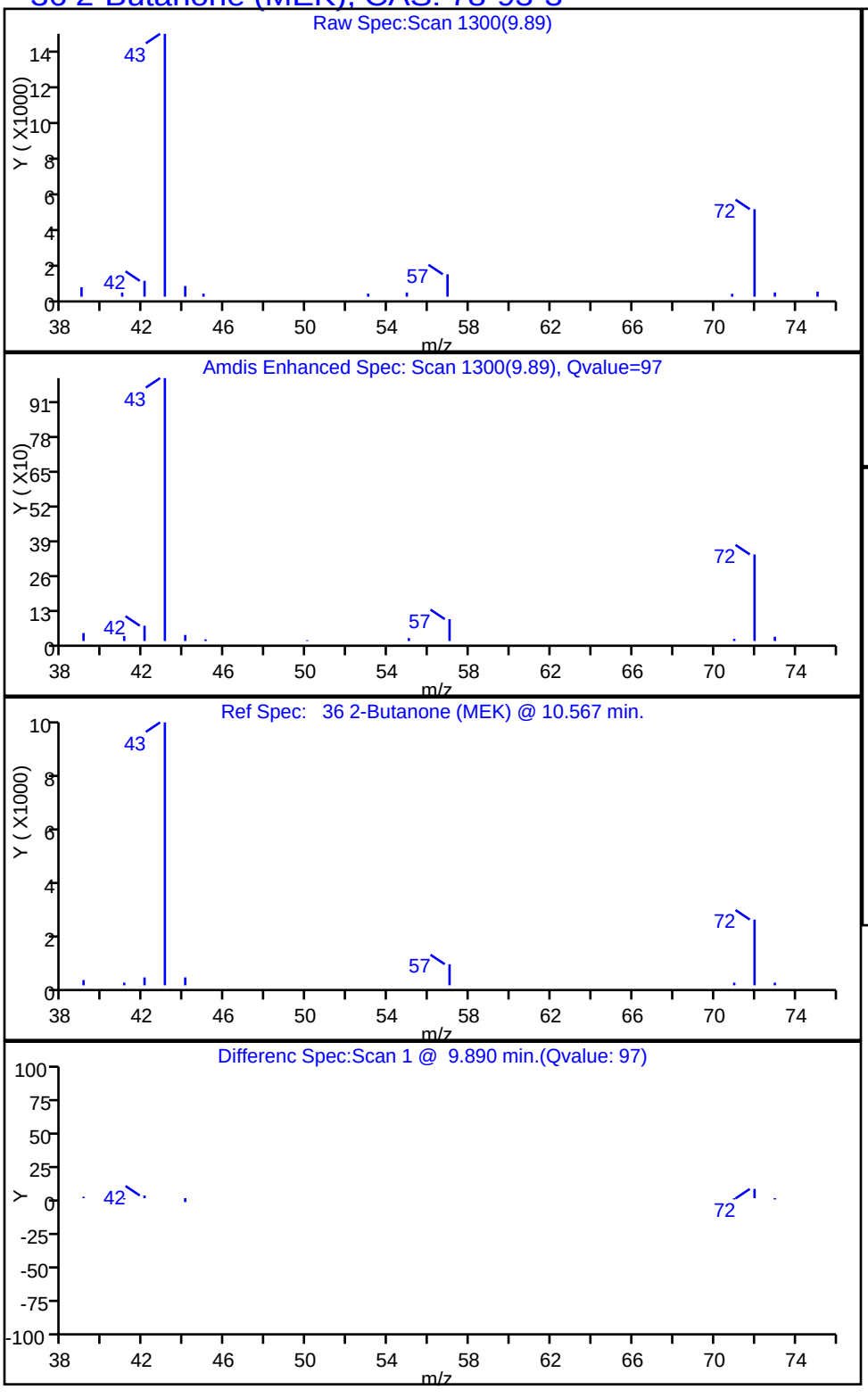


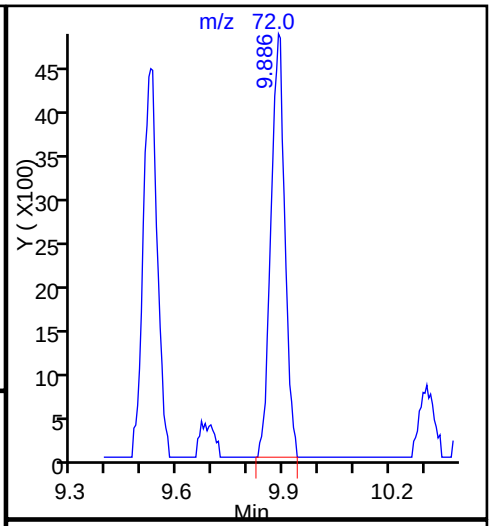


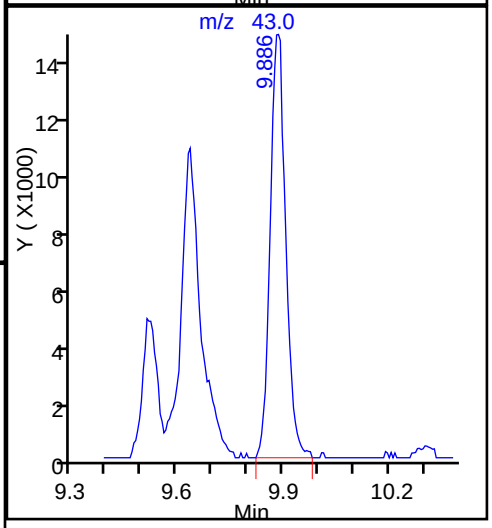
TestAmerica Burlington

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Injection Date: 30-Apr-2015 00:12:30 Instrument ID: CHX.i
Lims ID: 200-27725-A-8 Lab Sample ID: 200-27725-8
Client ID: 101CA01GA
Operator ID: wrd ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

36 2-Butanone (MEK), CAS: 78-93-3

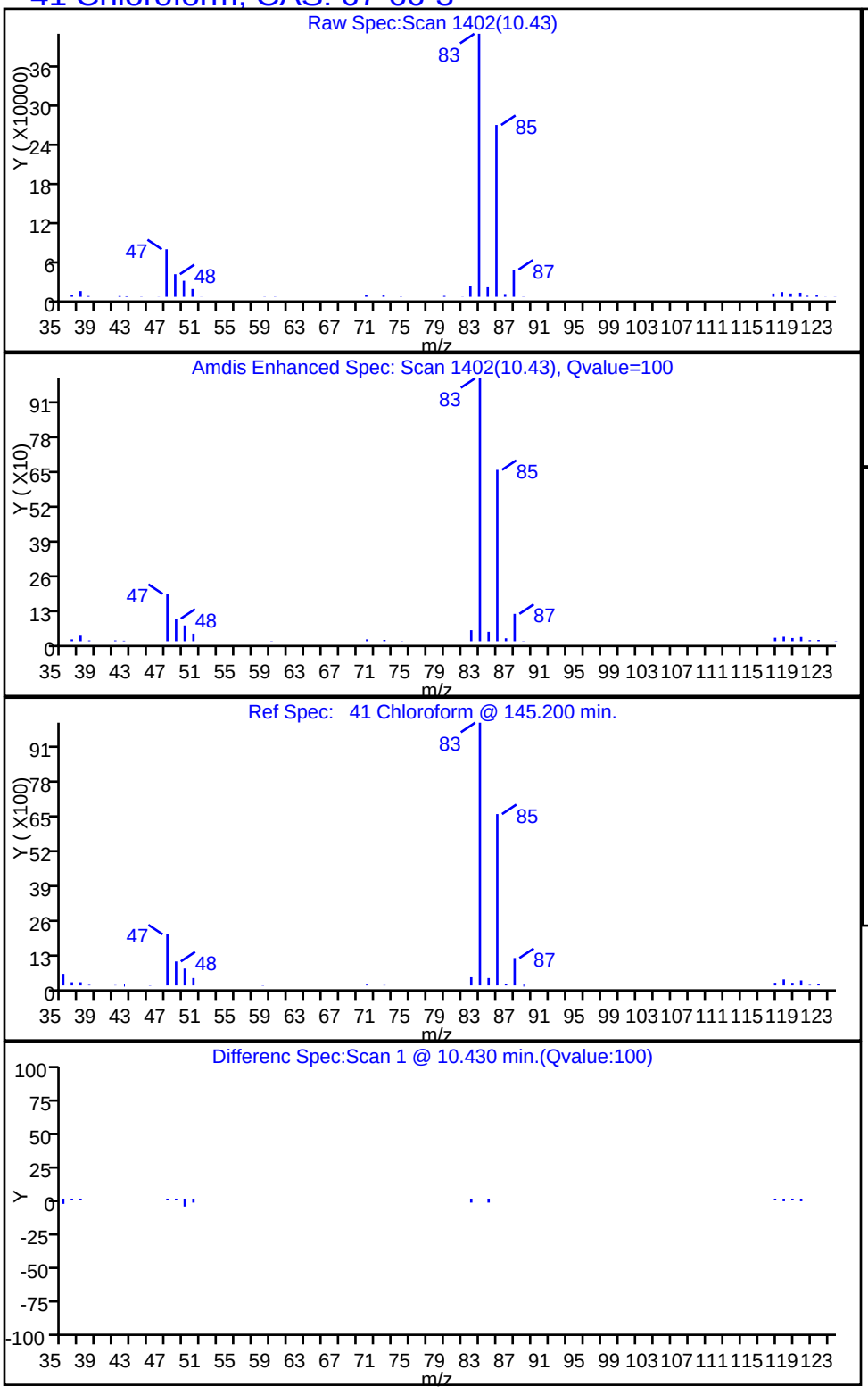


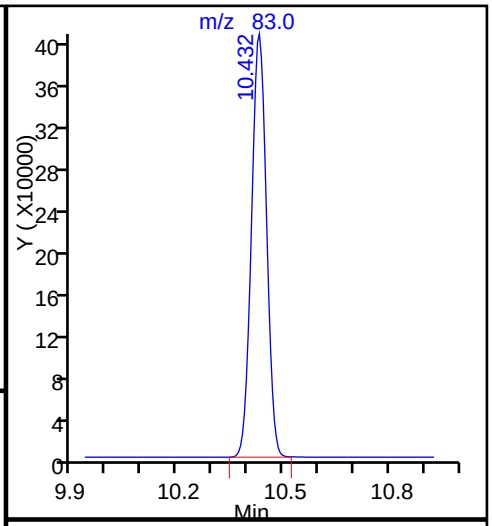


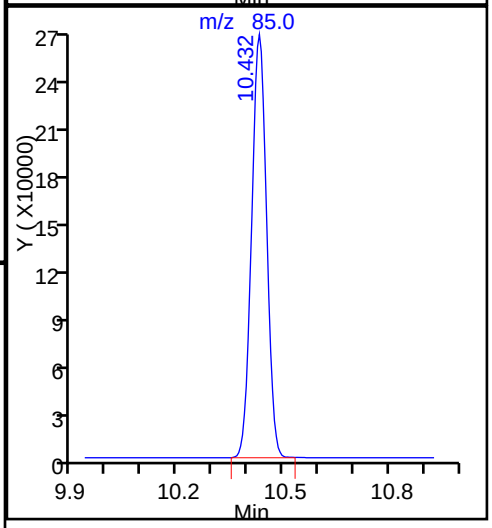


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Injection Date: 30-Apr-2015 00:12:30 Instrument ID: CHX.i
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Client ID: 101CA01GA
Operator ID: wrd ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

41 Chloroform, CAS: 67-66-3





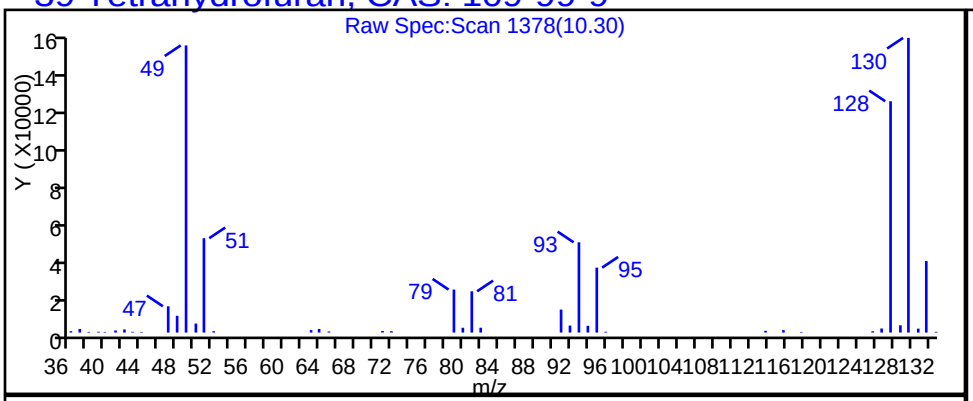


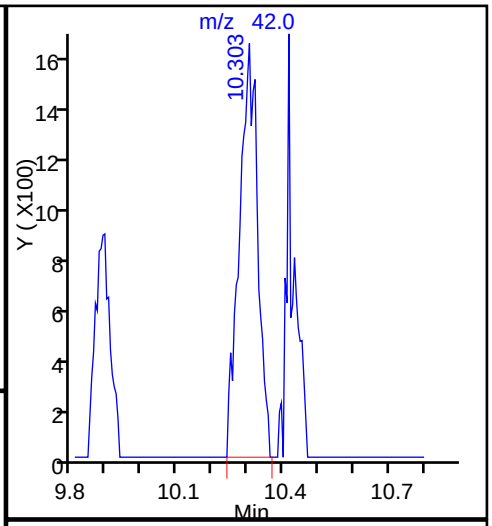
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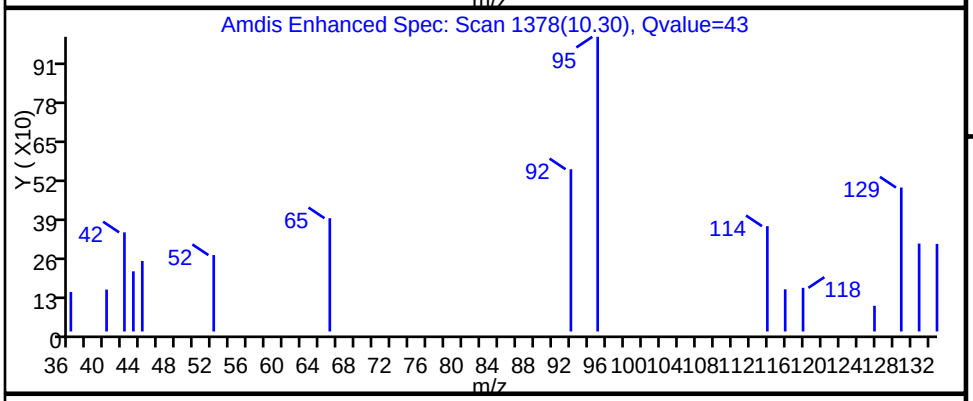
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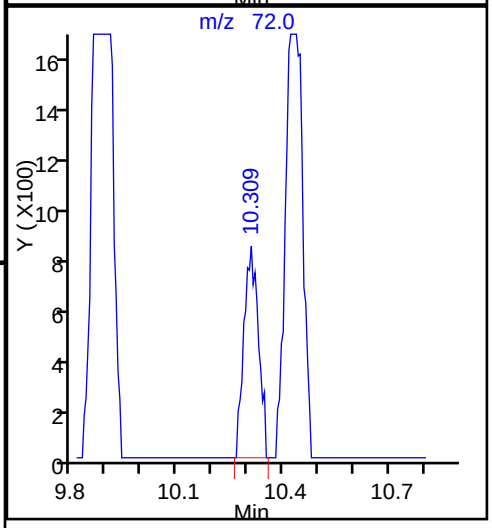
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Lims ID:	200-27725-A-8	Lab Sample ID:	200-27725-8		
Client ID:	101CA01GA				
Operator ID:	wrd	ALS Bottle#:	16	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

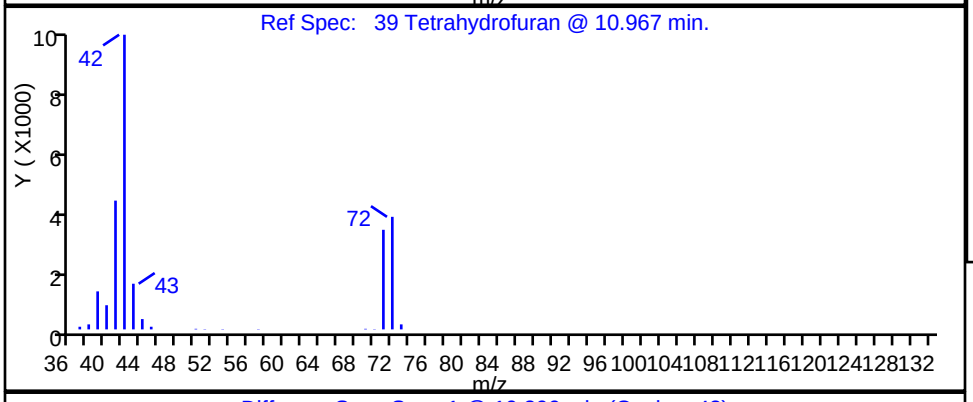
39 Tetrahydrofuran, CAS: 109-99-9

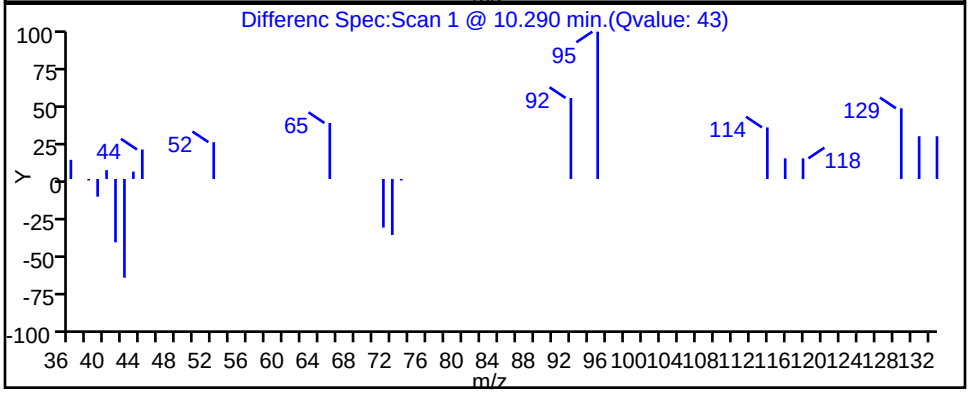








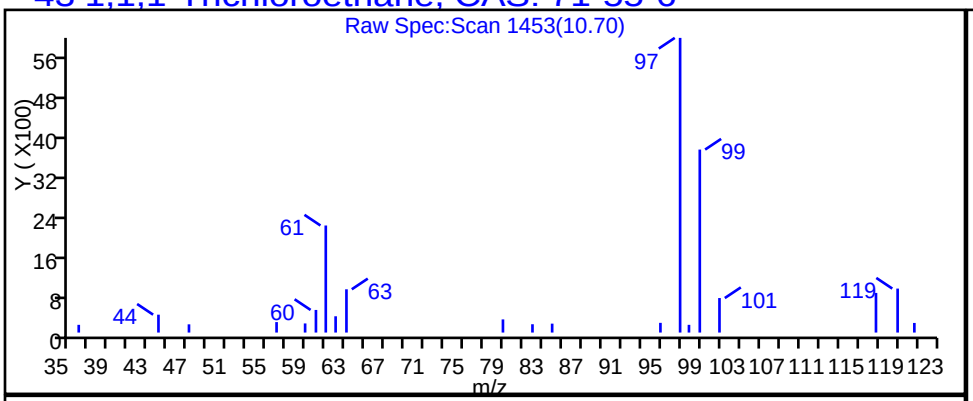


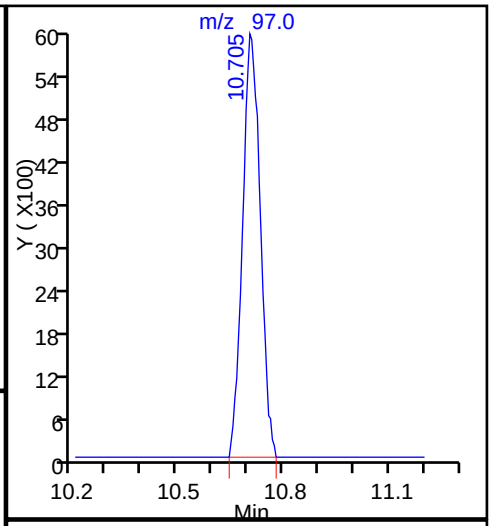


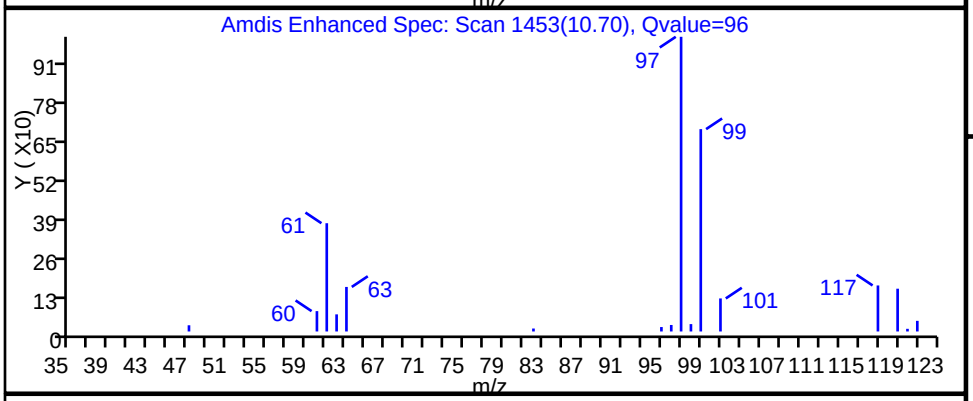
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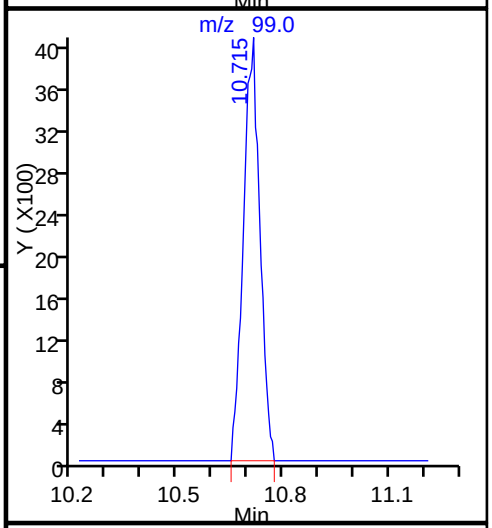
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Injection Date: 30-Apr-2015 00:12:30 Instrument ID: CHX.i
Lims ID: 200-27725-A-8 Lab Sample ID: 200-27725-8
Client ID: 101CA01GA
Operator ID: wrd ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

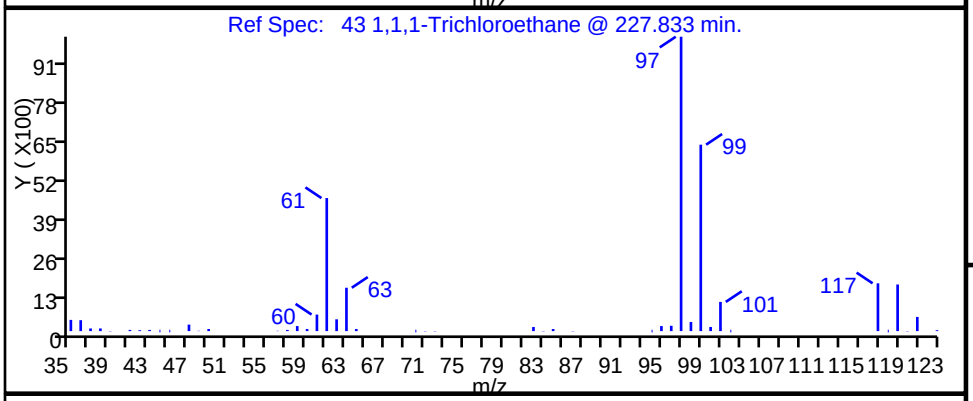
43 1,1,1-Trichloroethane, CAS: 71-55-6

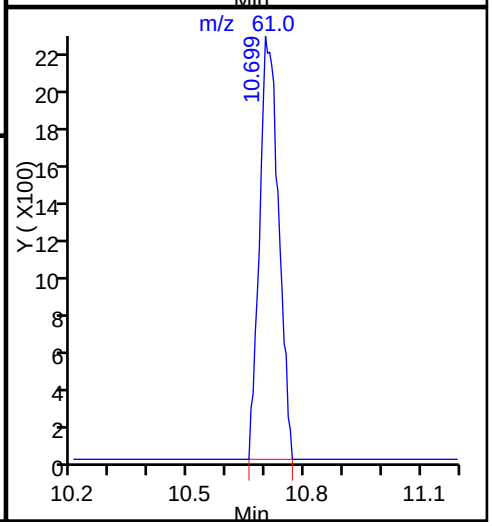


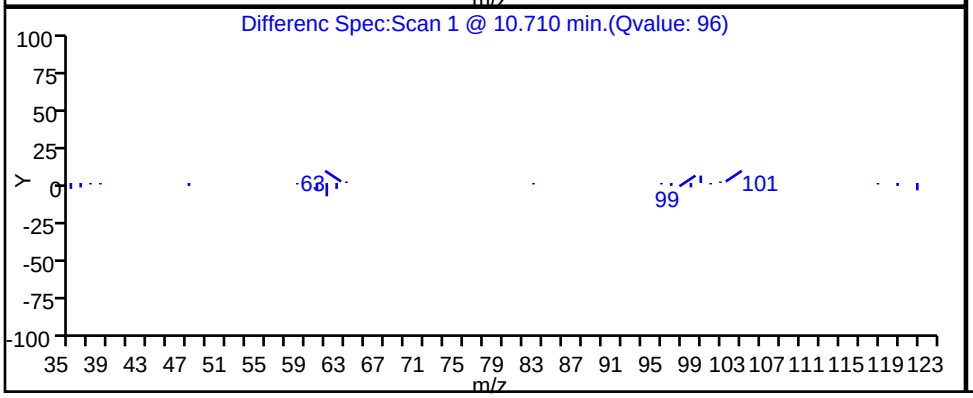








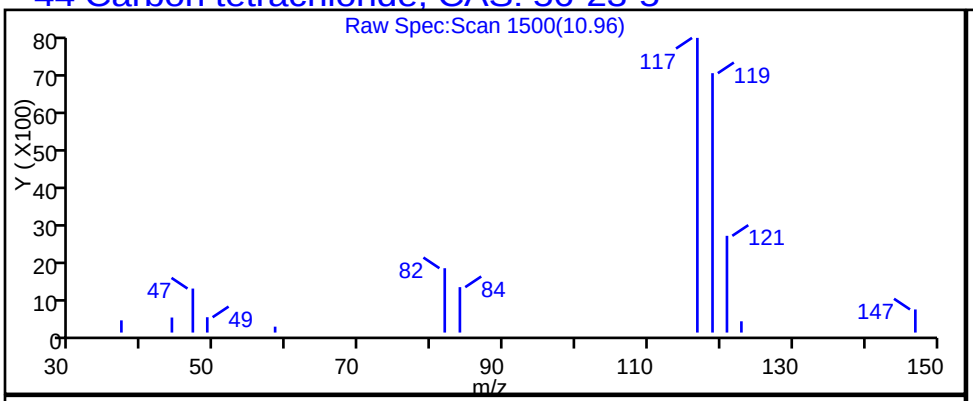


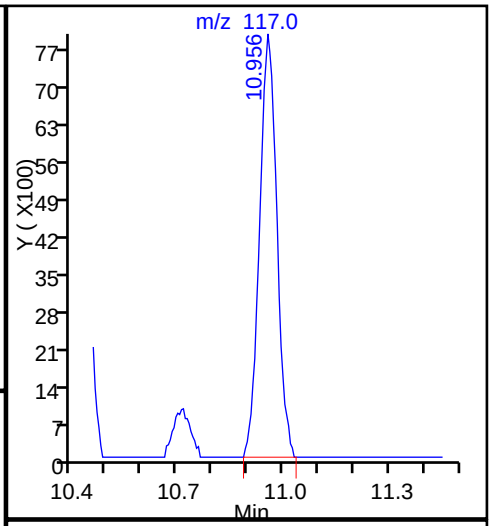


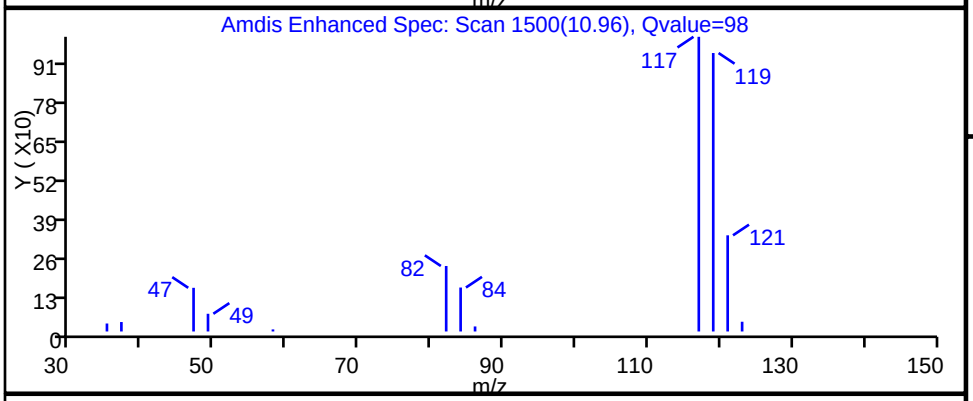
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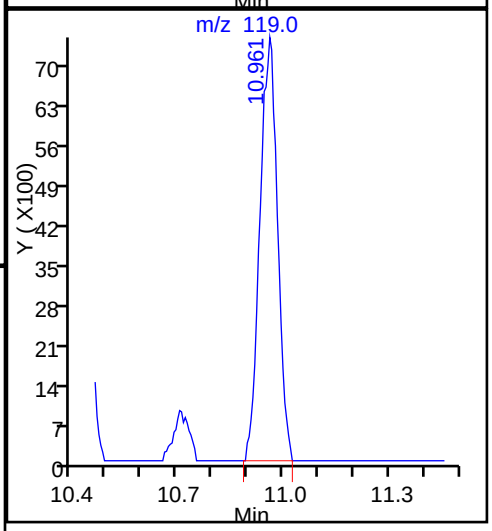
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Injection Date: 30-Apr-2015 00:12:30 Instrument ID: CHX.i
Lims ID: 200-27725-A-8 Lab Sample ID: 200-27725-8
Client ID: 101CA01GA
Operator ID: wrd ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

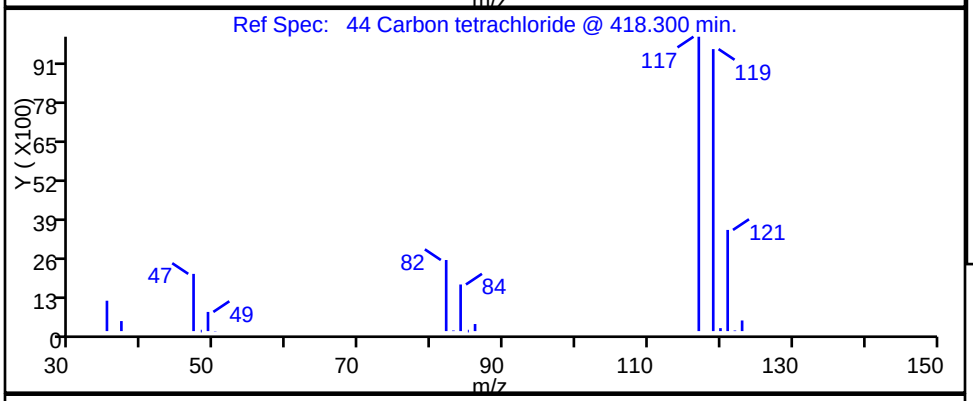
44 Carbon tetrachloride, CAS: 56-23-5

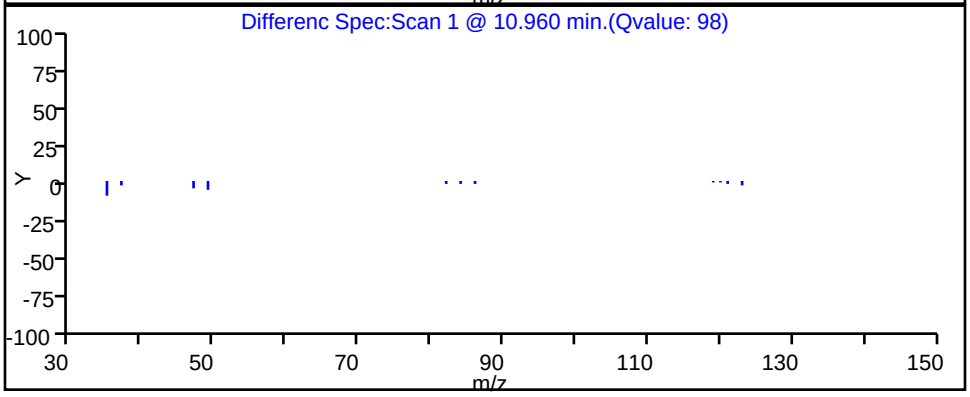










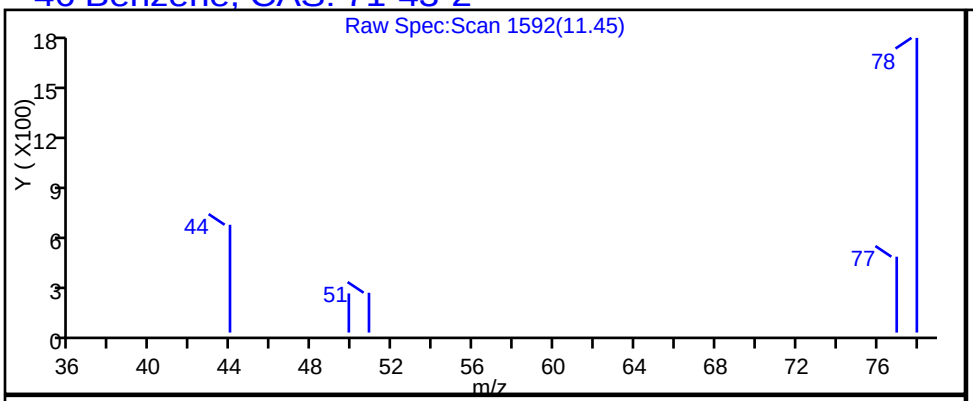


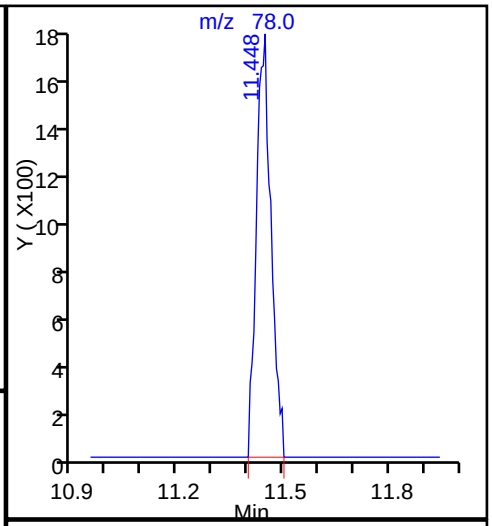
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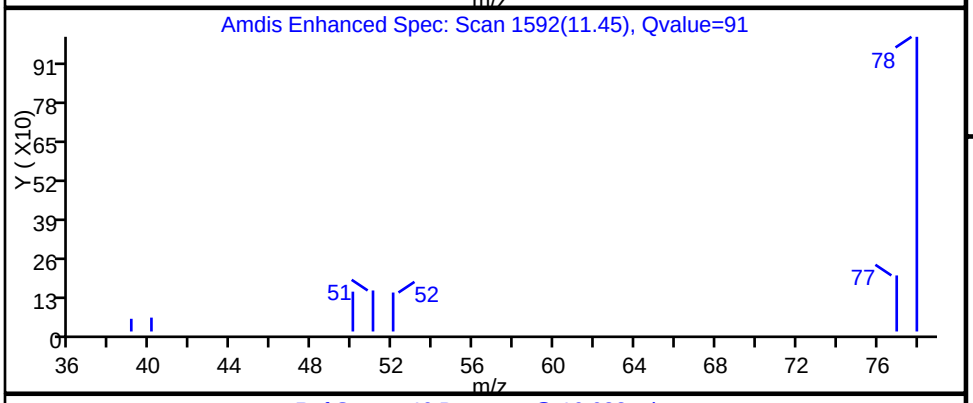
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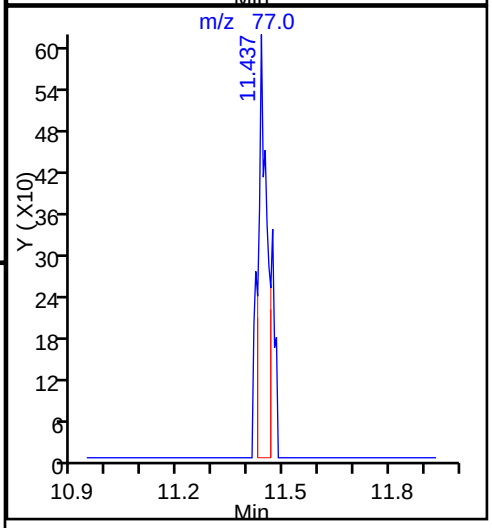
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Lims ID:	200-27725-A-8	Lab Sample ID:	200-27725-8		
Client ID:	101CA01GA				
Operator ID:	wrd	ALS Bottle#:	16	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

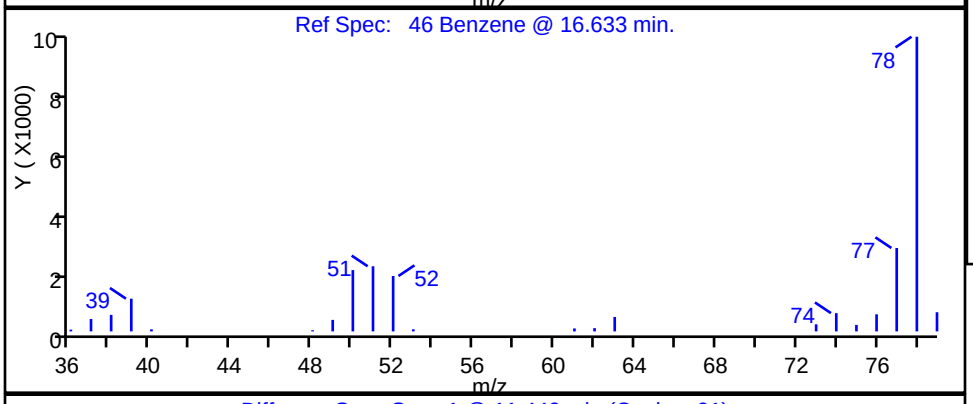
46 Benzene, CAS: 71-43-2

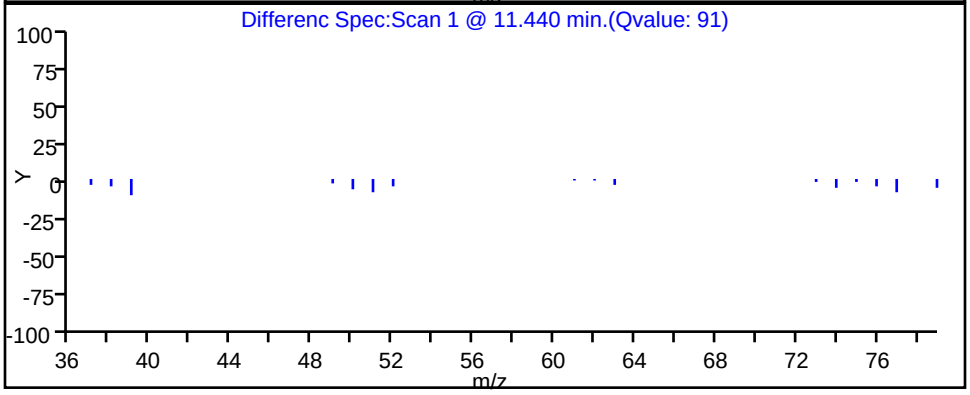










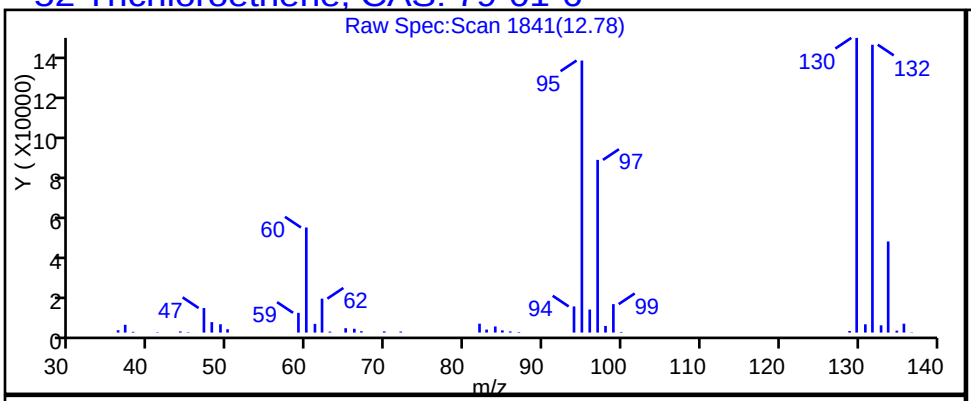


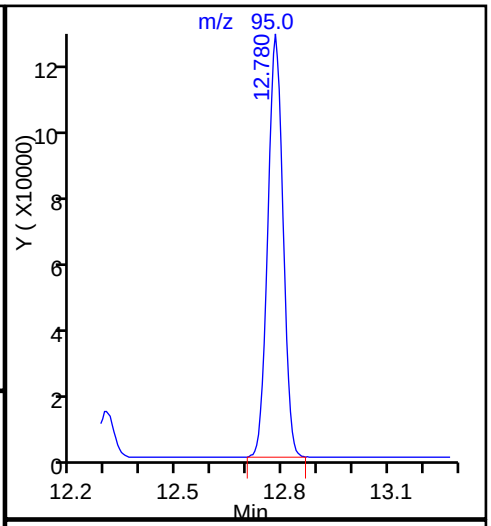
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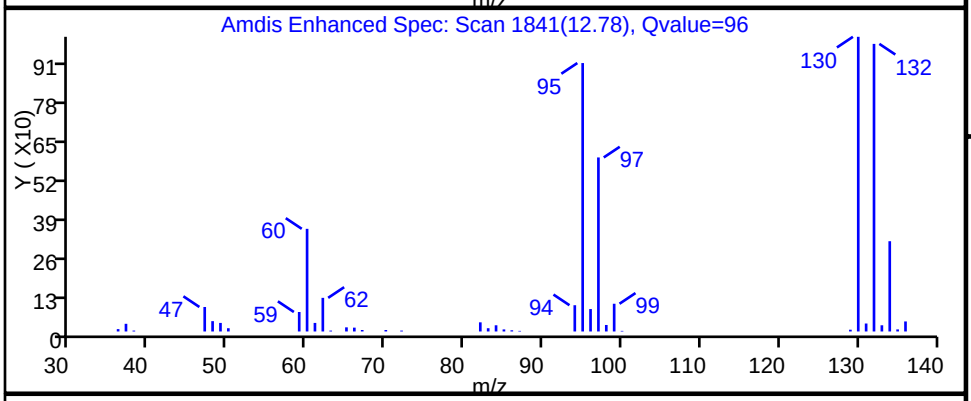
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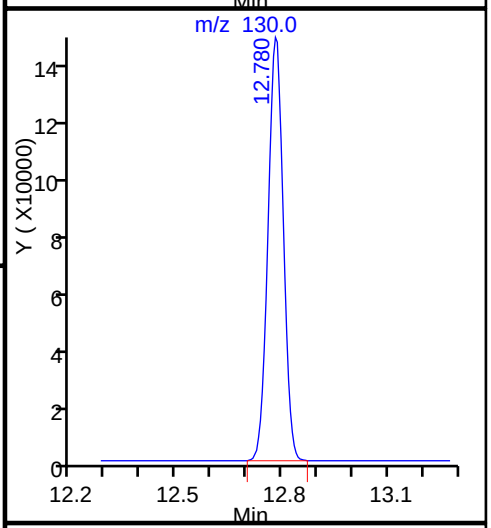
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Lims ID:	200-27725-A-8	Lab Sample ID:	200-27725-8		
Client ID:	101CA01GA				
Operator ID:	wrd	ALS Bottle#:	16	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

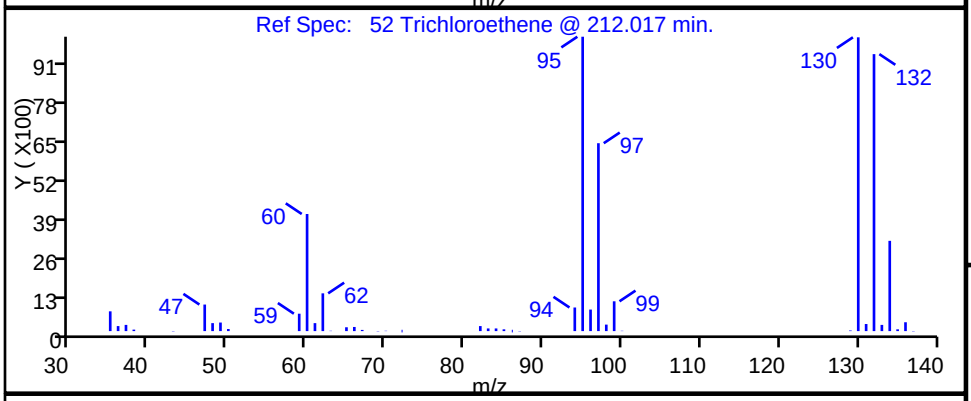
52 Trichloroethene, CAS: 79-01-6

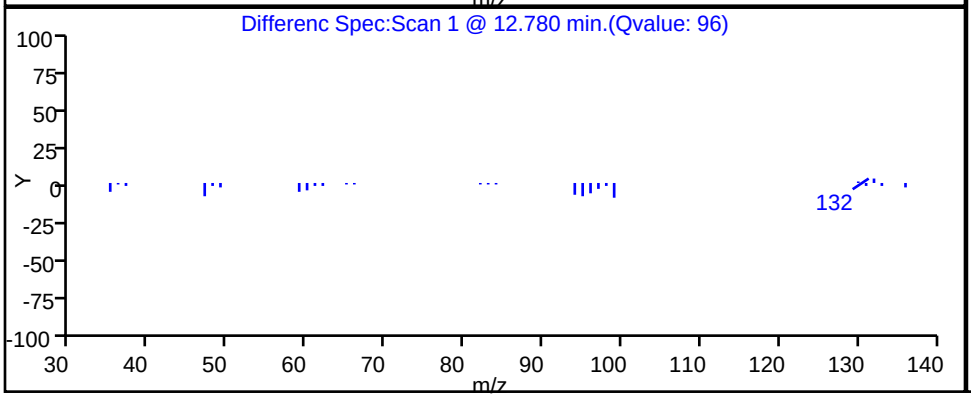


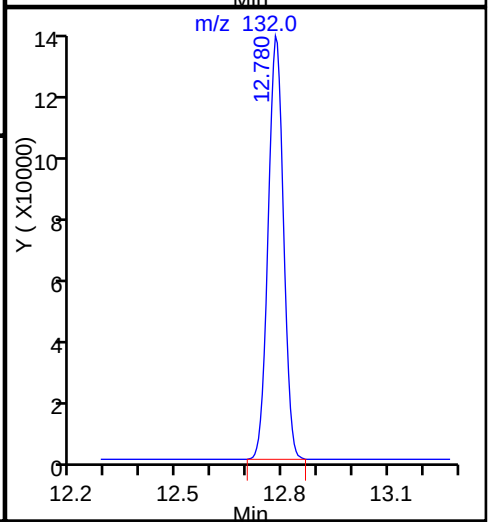








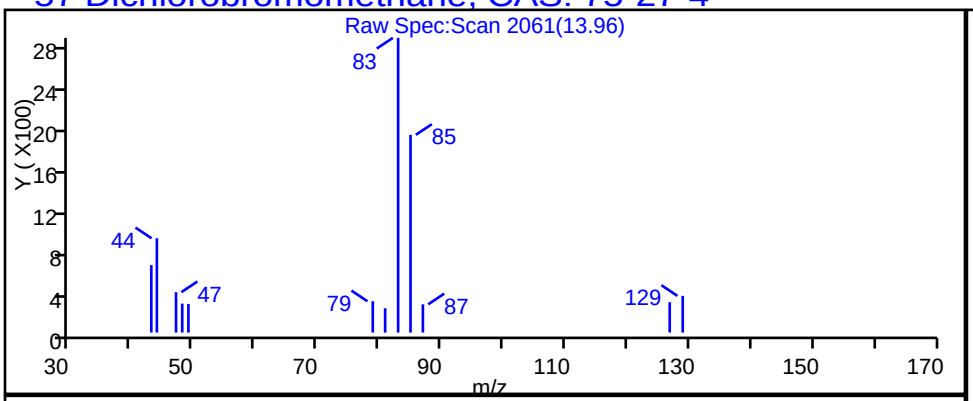


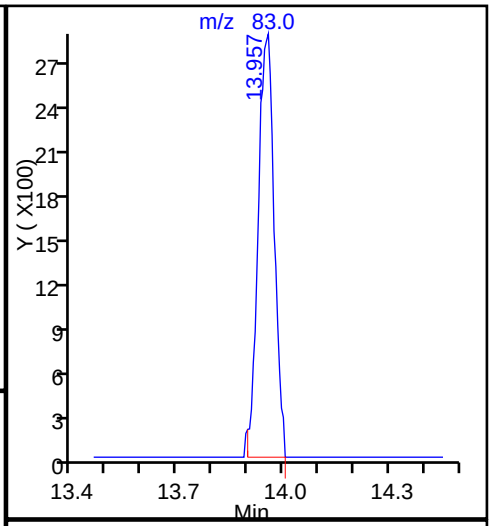


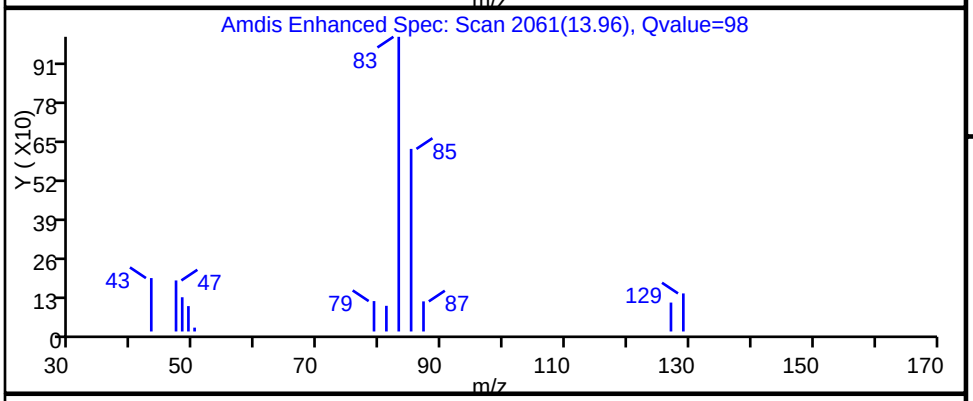
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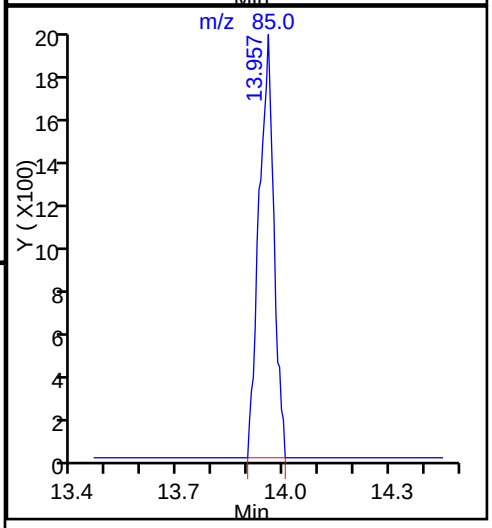
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Lims ID:	200-27725-A-8	Lab Sample ID:	200-27725-8		
Client ID:	101CA01GA				
Operator ID:	wrd	ALS Bottle#:	16	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
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Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

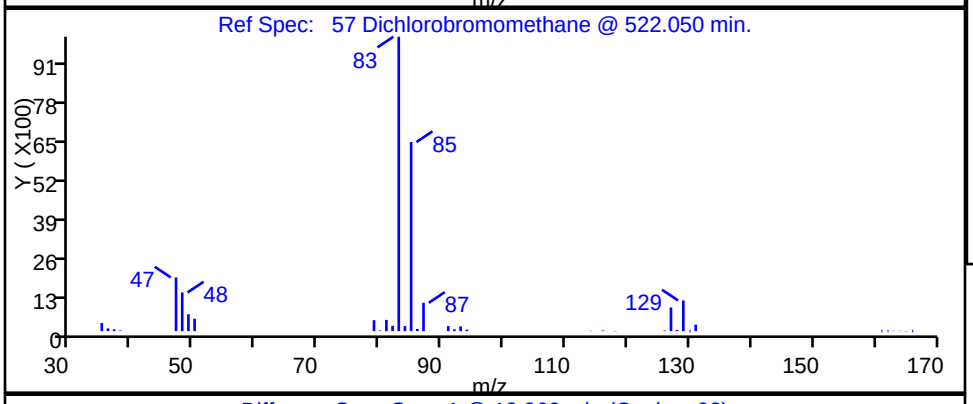
57 Dichlorobromomethane, CAS: 75-27-4

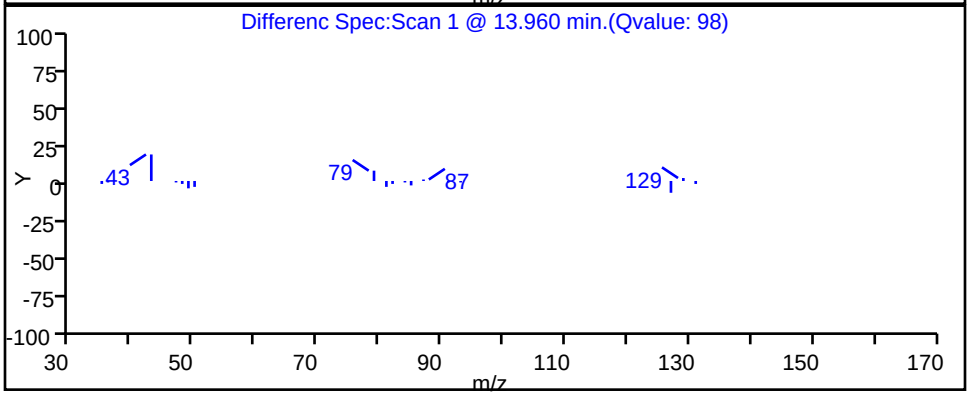










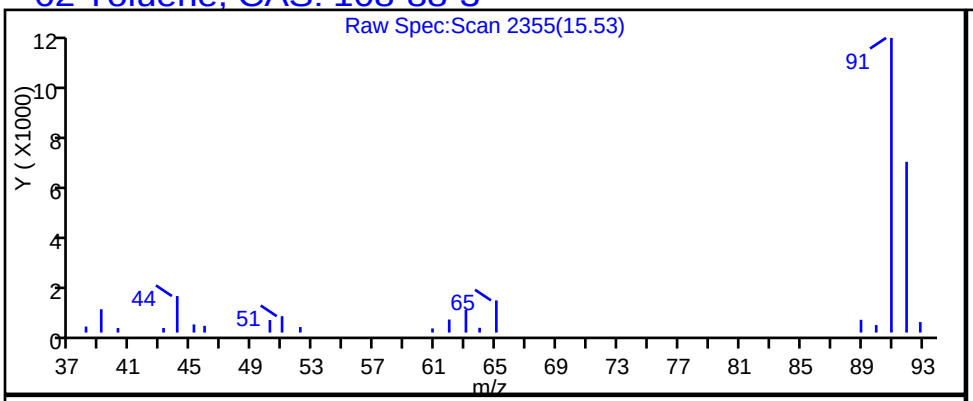


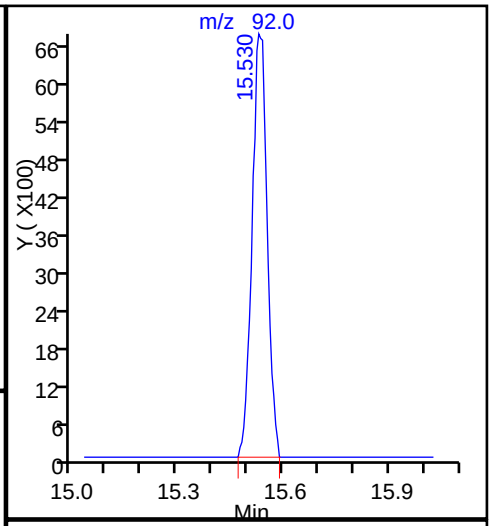
TestAmerica Burlington

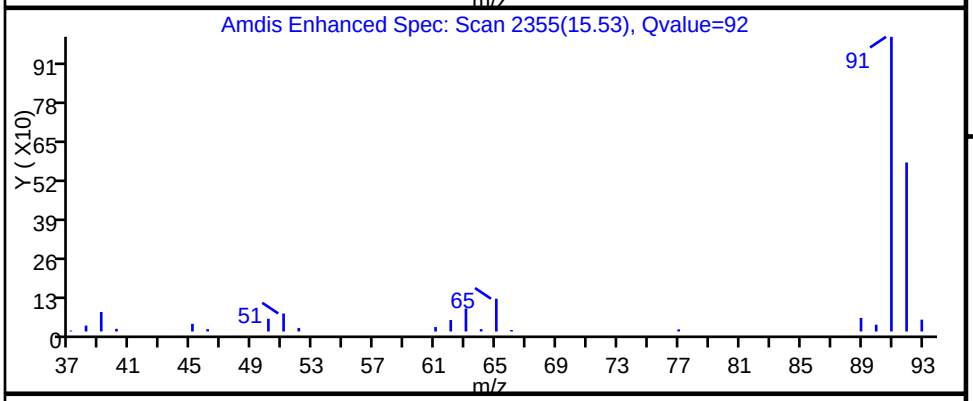
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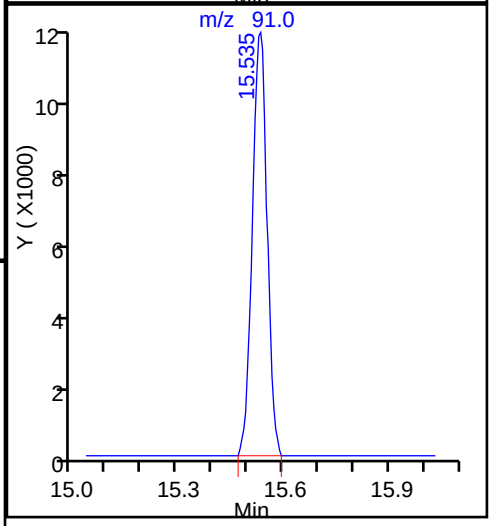
Injection Date:	30-Apr-2015 00:12:30	Instrument ID:	CHX.i		
Lims ID:	200-27725-A-8	Lab Sample ID:	200-27725-8		
Client ID:	101CA01GA				
Operator ID:	wrd	ALS Bottle#:	16	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

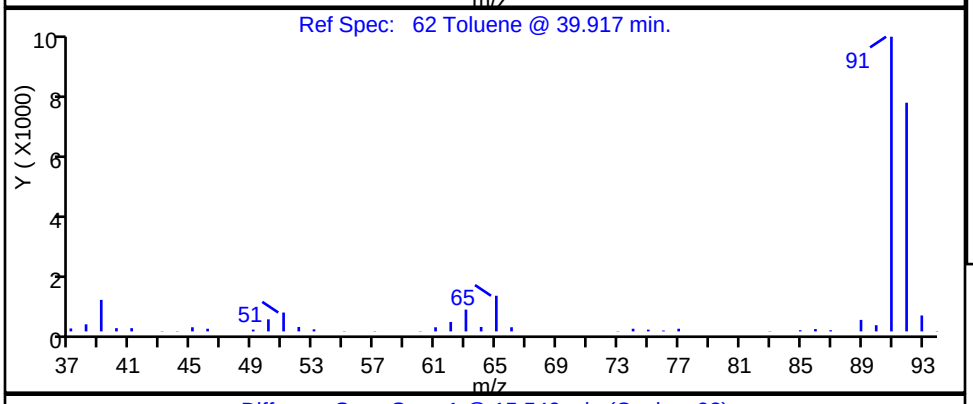
62 Toluene, CAS: 108-88-3

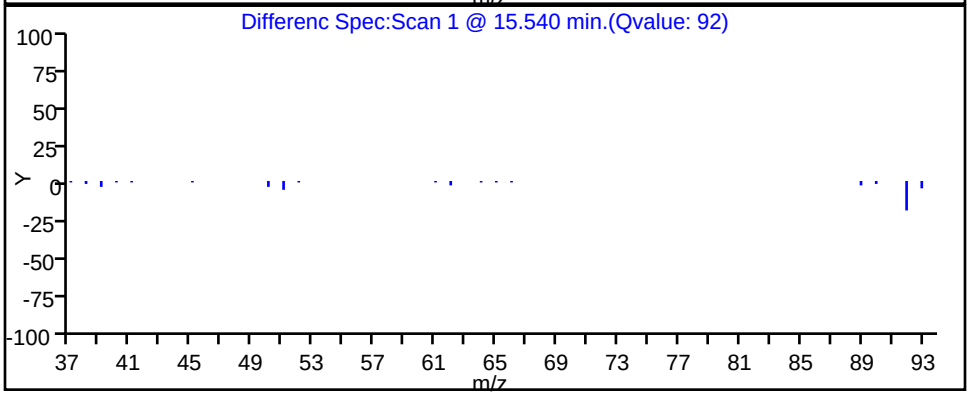








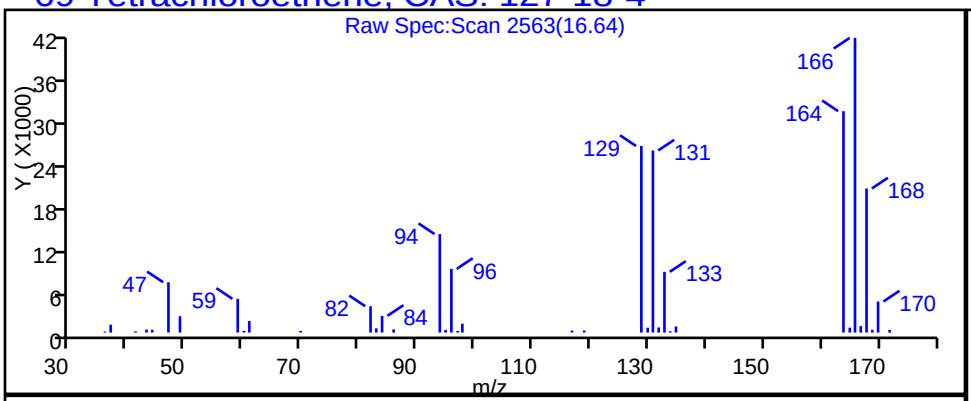


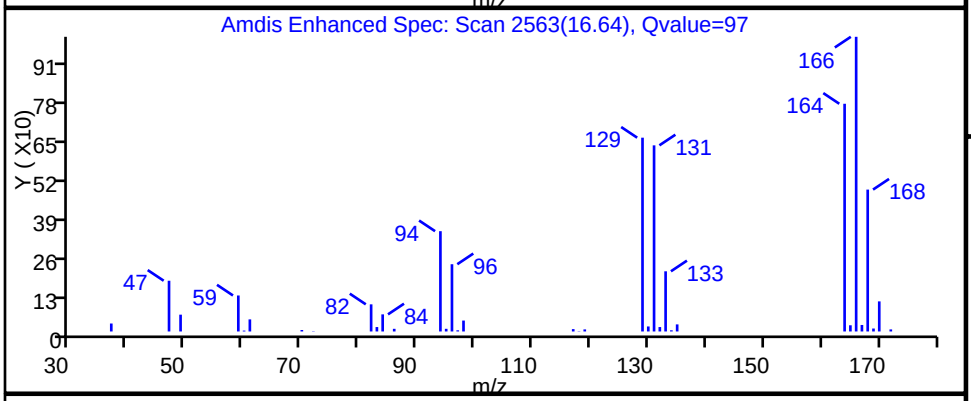


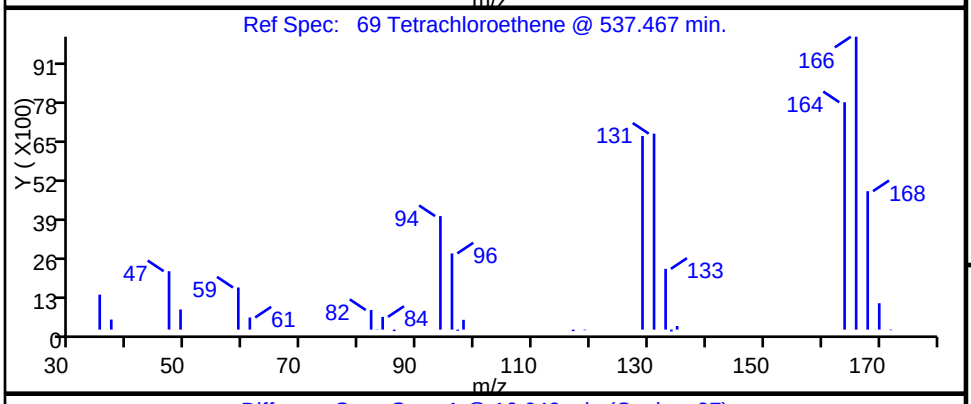
TestAmerica Burlington

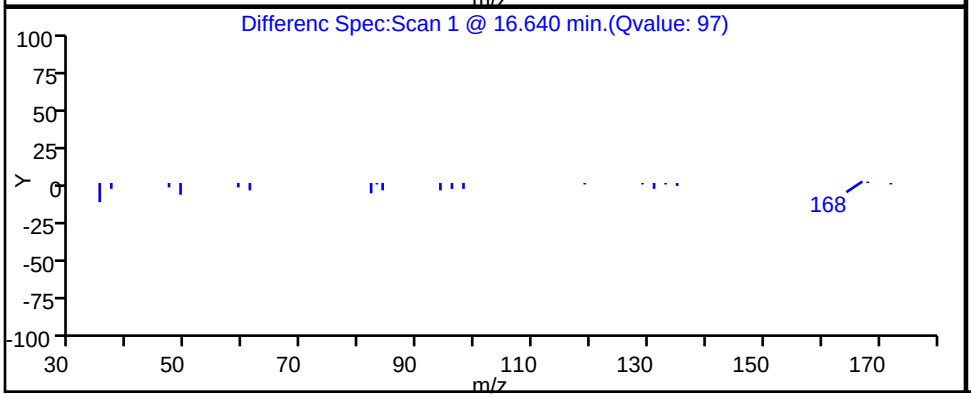
Data File: \\BTV-LIMS1\ChromData\CHX.i\20150429-13349.b\13349-017.D
Injection Date: 30-Apr-2015 00:12:30 Instrument ID: CHX.i
Lims ID: 200-27725-A-8 Lab Sample ID: 200-27725-8
Client ID: 101CA01GA
Operator ID: wrd ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

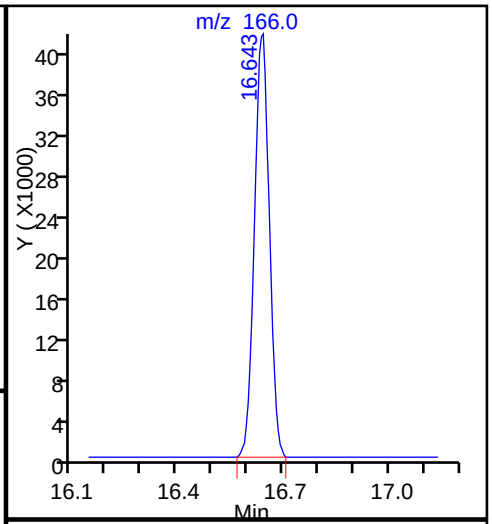
69 Tetrachloroethene, CAS: 127-18-4

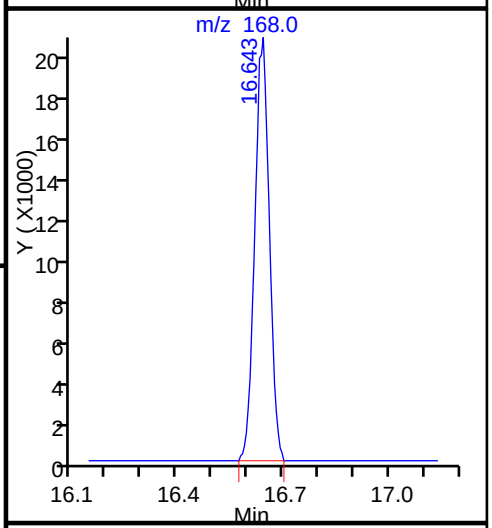


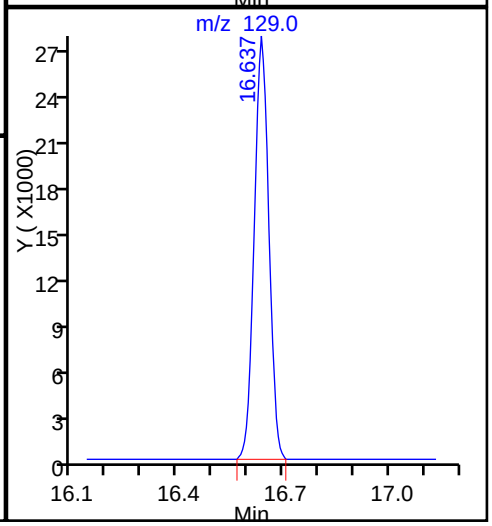






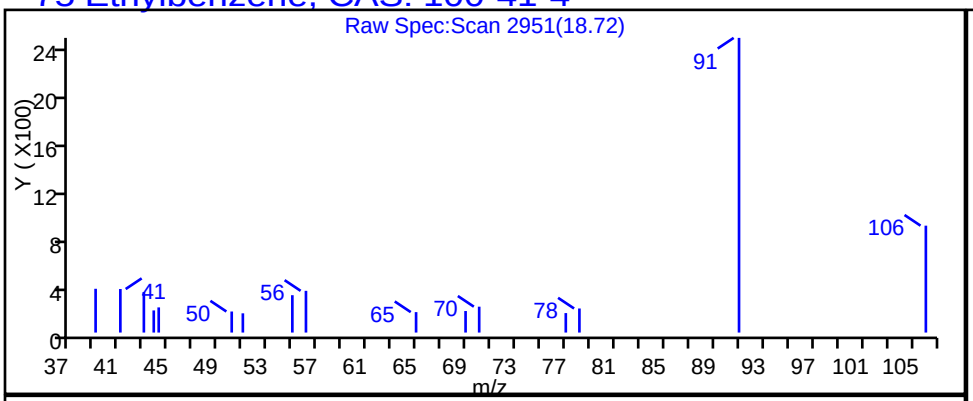


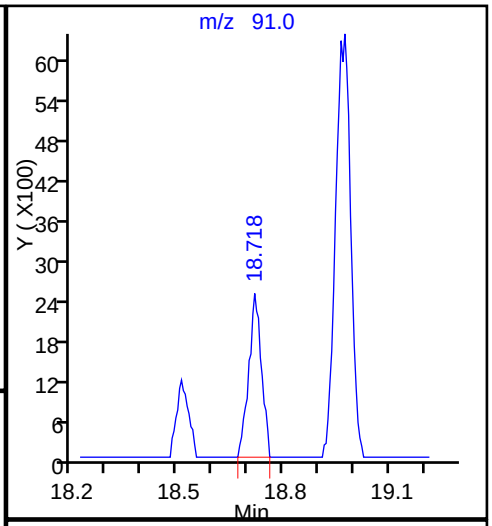


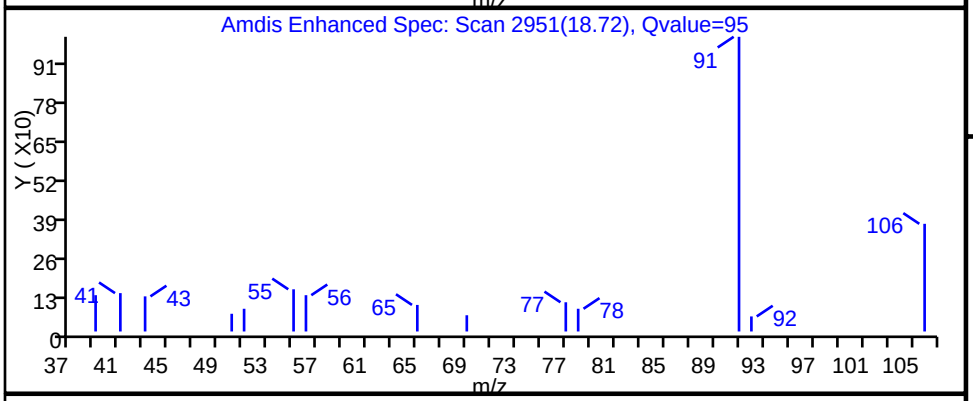


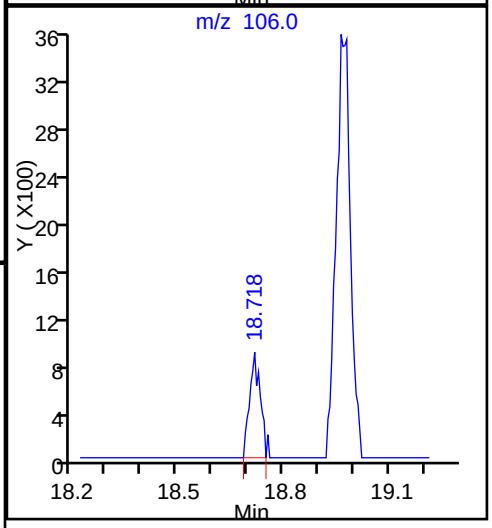
Data File: \\BTV-LIMS1\ChromData\CHX.i\20150429-13349.b\13349-017.D
Injection Date: 30-Apr-2015 00:12:30 Instrument ID: CHX.i
Lims ID: 200-27725-A-8 Lab Sample ID: 200-27725-8
Client ID: 101CA01GA
Operator ID: wrd ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

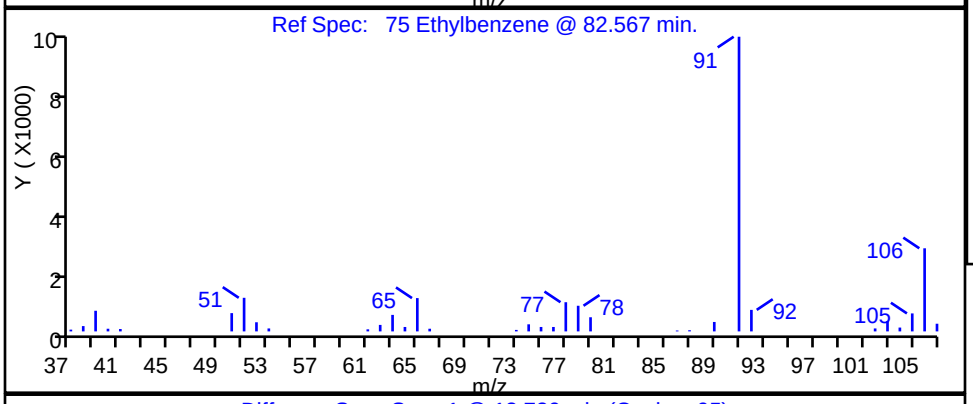
75 Ethylbenzene, CAS: 100-41-4

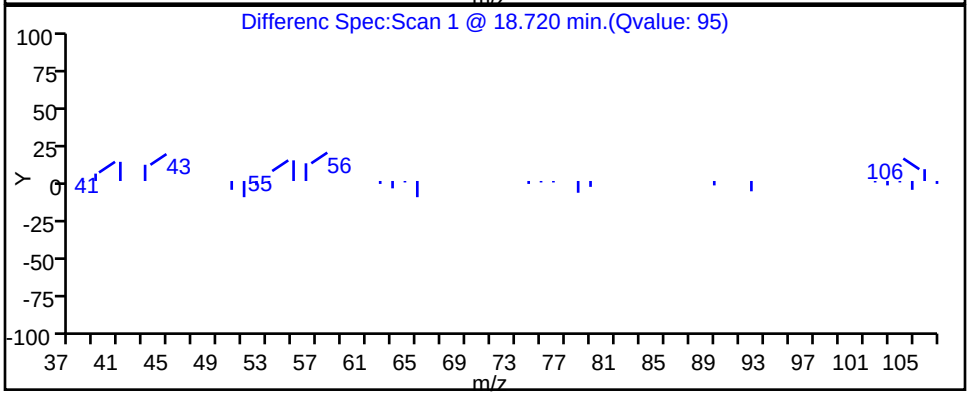








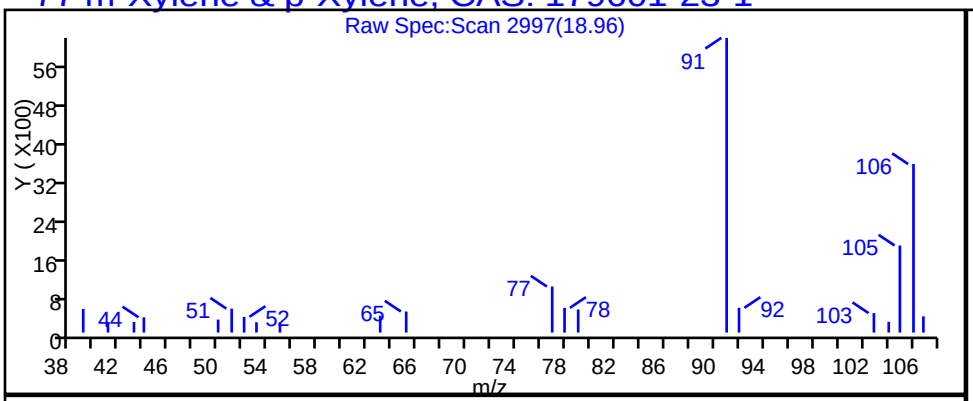


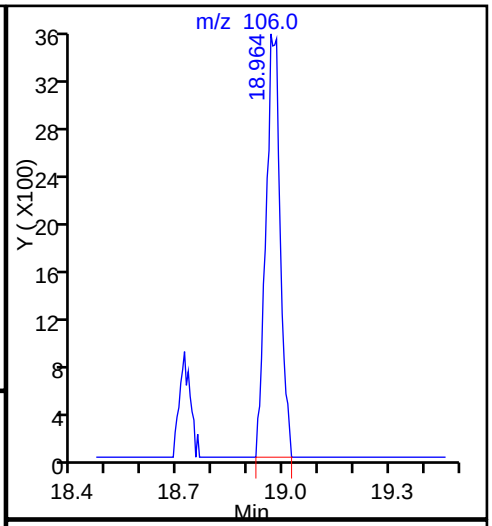


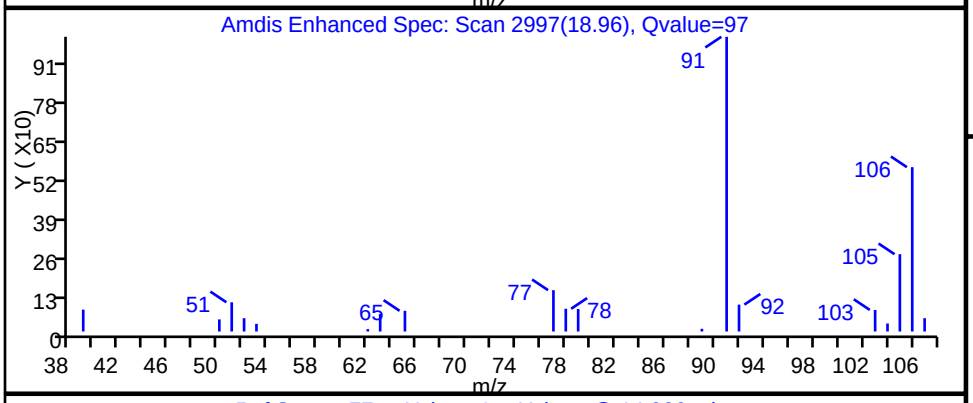
TestAmerica Burlington

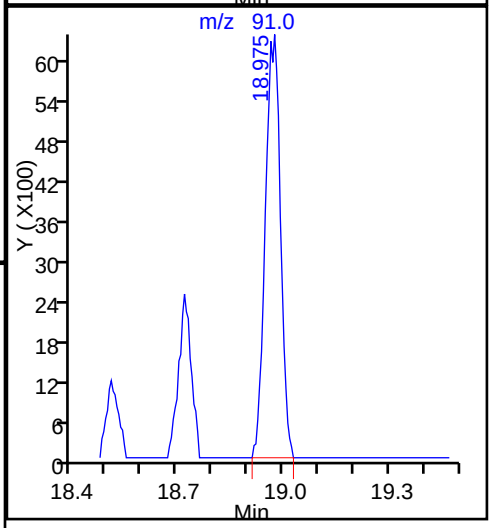
Data File: \\BTV-LIMS1\ChromData\CHX.i\20150429-13349.b\13349-017.D
Injection Date: 30-Apr-2015 00:12:30 Instrument ID: CHX.i
Lims ID: 200-27725-A-8 Lab Sample ID: 200-27725-8
Client ID: 101CA01GA
Operator ID: wrd ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

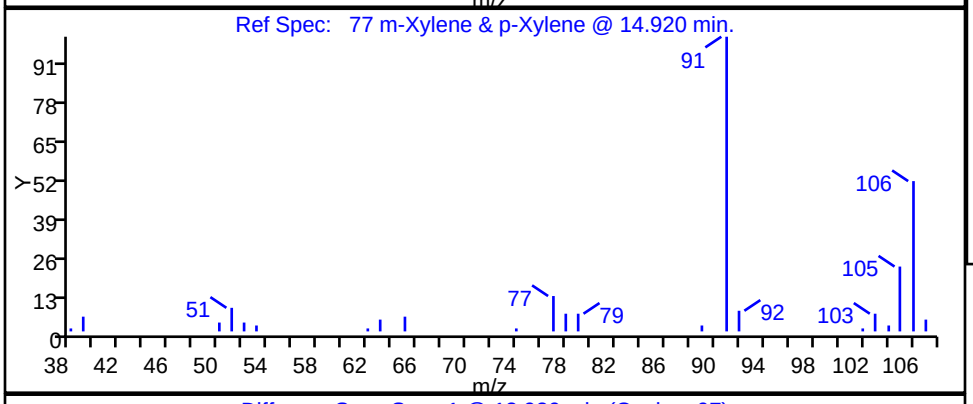
77 m-Xylene & p-Xylene, CAS: 179601-23-1

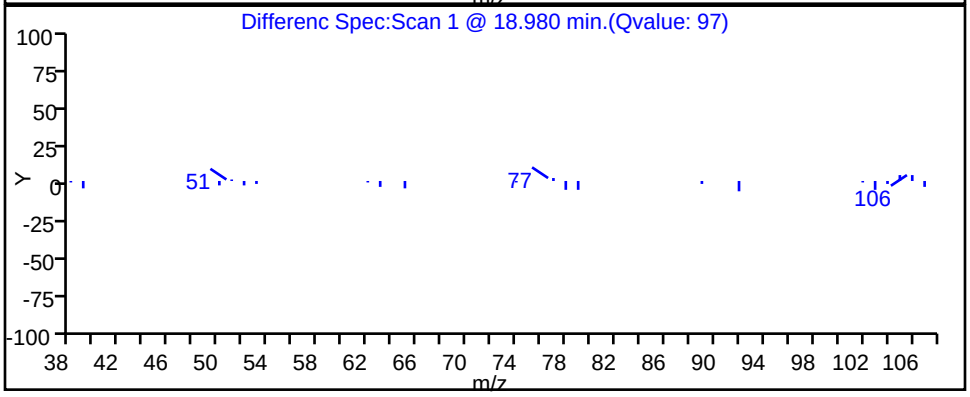








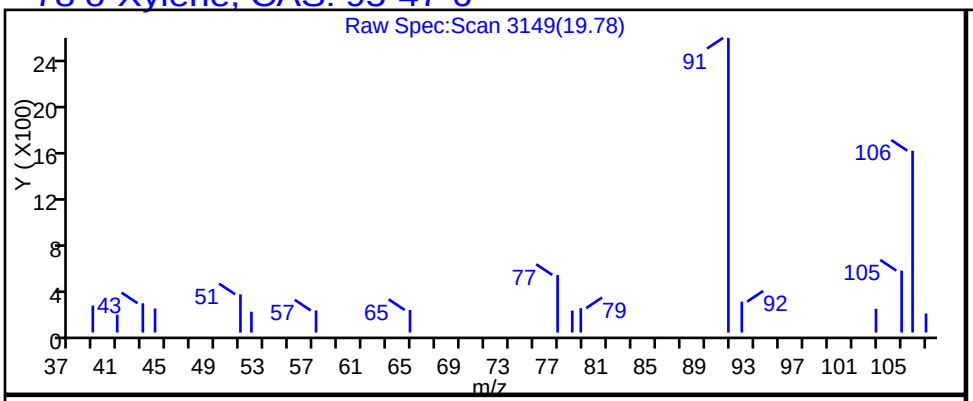


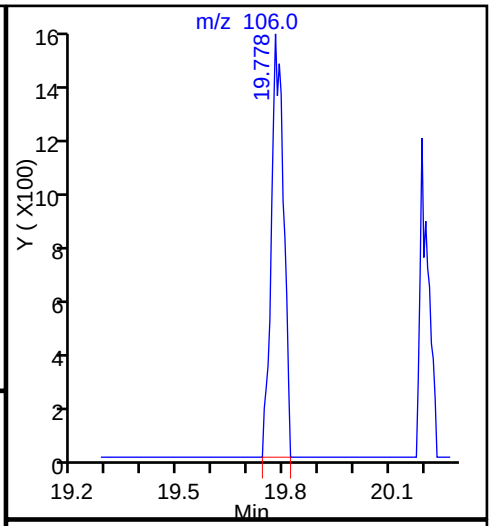


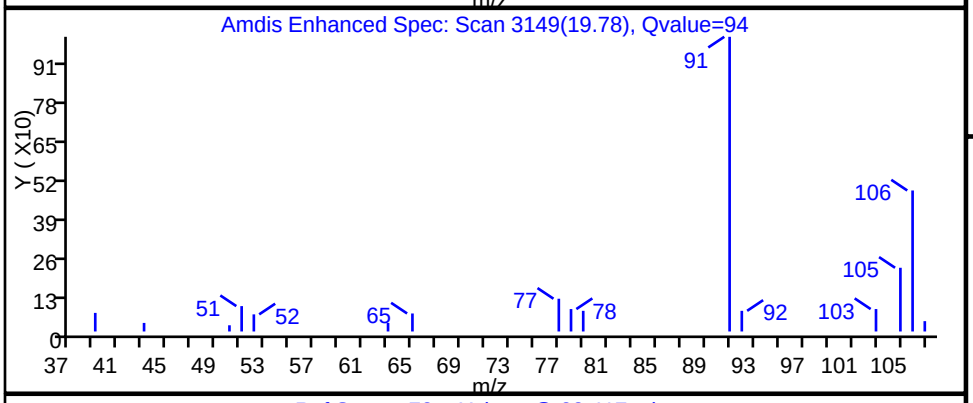
TestAmerica Burlington

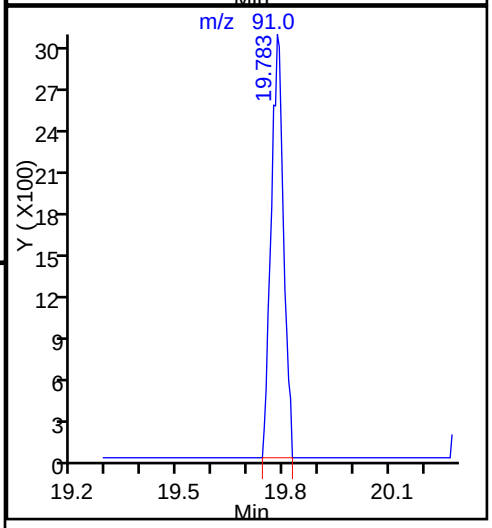
Data File: \\BTV-LIMS1\ChromData\CHX.i\20150429-13349.b\13349-017.D
Injection Date: 30-Apr-2015 00:12:30 Instrument ID: CHX.i
Lims ID: 200-27725-A-8 Lab Sample ID: 200-27725-8
Client ID: 101CA01GA
Operator ID: wrd ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

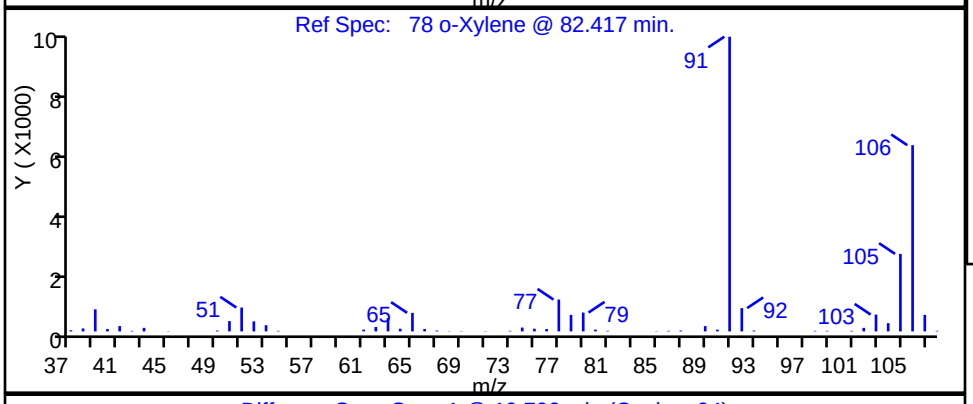
78 o-Xylene, CAS: 95-47-6

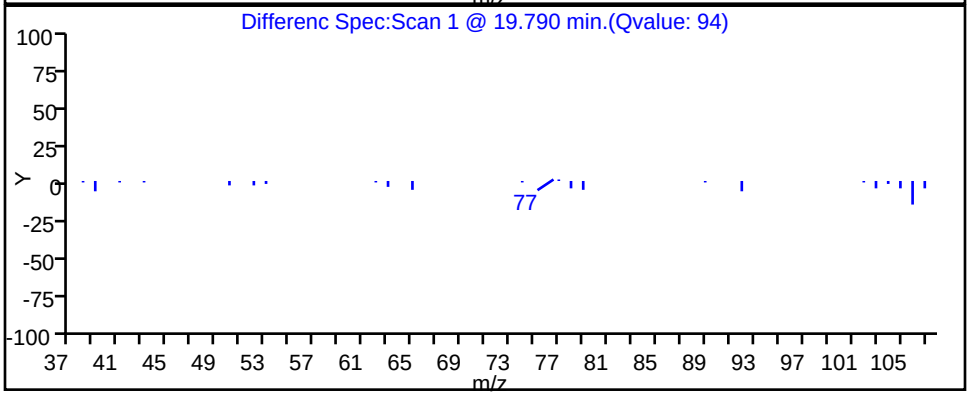






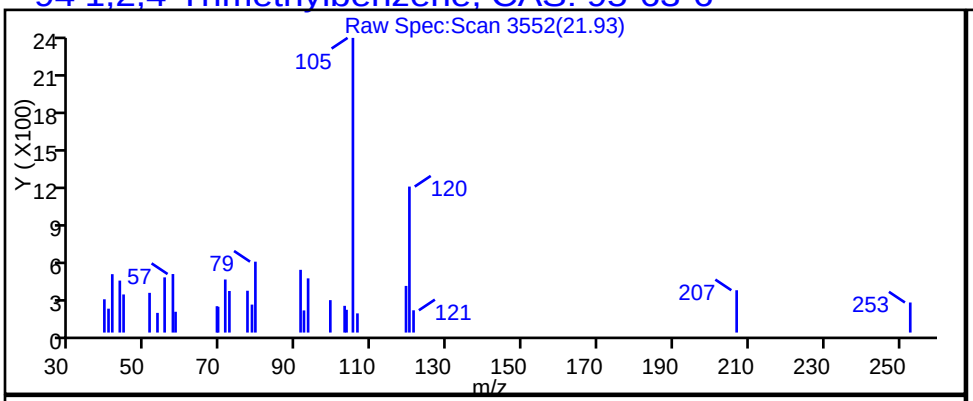


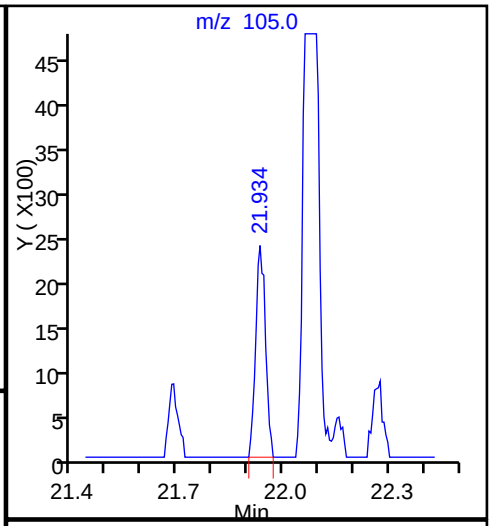


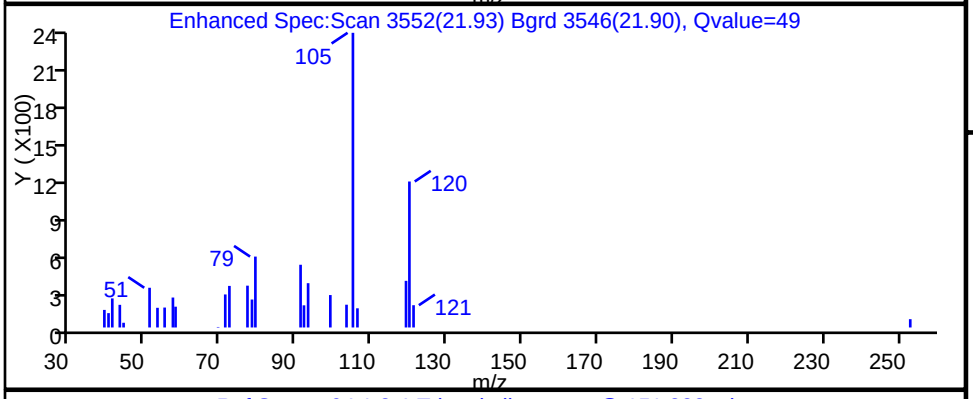


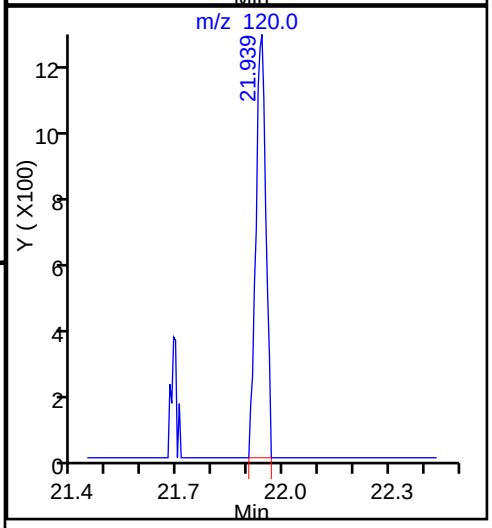
Data File: \\BTV-LIMS1\ChromData\CHX.i\20150429-13349.b\13349-017.D
Injection Date: 30-Apr-2015 00:12:30 Instrument ID: CHX.i
Lims ID: 200-27725-A-8 Lab Sample ID: 200-27725-8
Client ID: 101CA01GA
Operator ID: wrd ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

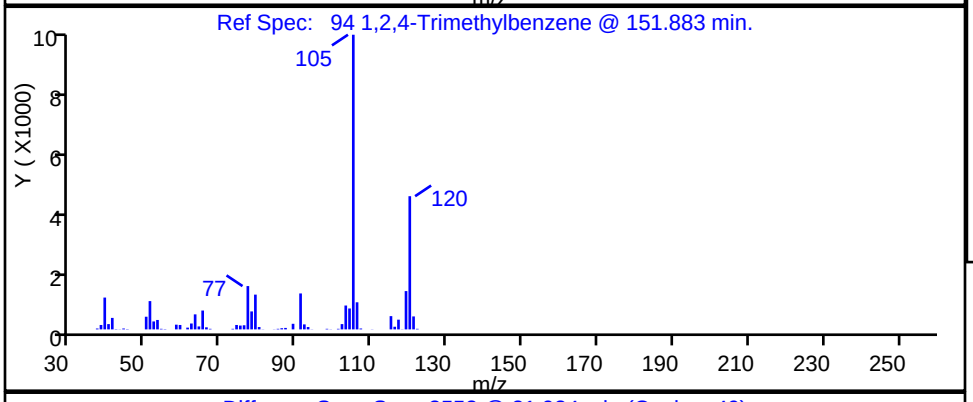
94 1,2,4-Trimethylbenzene, CAS: 95-63-6

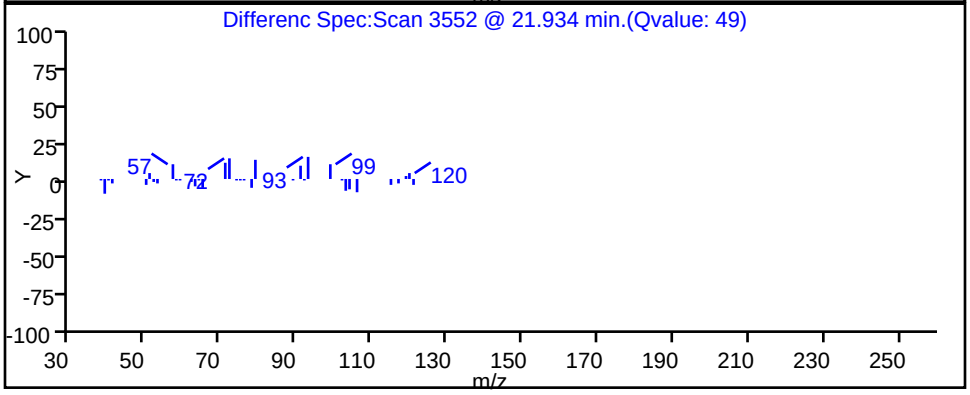












FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-27725-1

SDG No.:

Client Sample ID: 042215TB Lab Sample ID: 200-27725-9

Matrix: Air Lab File ID: 13349-018.D

Analysis Method: TO-15 Date Collected: 04/22/2015 09:00

Sample wt/vol: 200(mL) Date Analyzed: 04/30/2015 01:02

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.: 87597 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	0.20	U	0.50	0.056
75-45-6	Freon 22	86.47	0.20	U	0.50	0.080
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.080	U	0.20	0.052
74-87-3	Chloromethane	50.49	0.20	U	0.50	0.060
106-97-8	n-Butane	58.12	0.20	U	0.50	0.18
75-01-4	Vinyl chloride	62.50	0.030	U	0.20	0.026
106-99-0	1,3-Butadiene	54.09	0.080	U	0.20	0.036
74-83-9	Bromomethane	94.94	0.080	U	0.20	0.044
75-00-3	Chloroethane	64.52	0.080	U	0.50	0.061
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.030	U	0.20	0.020
75-69-4	Trichlorofluoromethane	137.37	0.080	U	0.20	0.045
76-13-1	Freon TF	187.38	0.080	U	0.20	0.041
75-35-4	1,1-Dichloroethene	96.94	0.030	U	0.20	0.010
67-64-1	Acetone	58.08	2.5	U	5.0	0.69
67-63-0	Isopropyl alcohol	60.10	0.50	U	5.0	0.15
75-15-0	Carbon disulfide	76.14	0.080	U	0.50	0.030
107-05-1	3-Chloropropene	76.53	0.20	U	0.50	0.16
75-09-2	Methylene Chloride	84.93	0.20	U	0.50	0.12
75-65-0	tert-Butyl alcohol	74.12	0.20	U	5.0	0.12
1634-04-4	Methyl tert-butyl ether	88.15	0.030	U	0.20	0.022
156-60-5	trans-1,2-Dichloroethene	96.94	0.030	U	0.20	0.027
110-54-3	n-Hexane	86.17	0.030	U	0.20	0.028
75-34-3	1,1-Dichloroethane	98.96	0.030	U	0.20	0.028
78-93-3	Methyl Ethyl Ketone	72.11	0.59		0.50	0.092
156-59-2	cis-1,2-Dichloroethene	96.94	0.080	U	0.20	0.030
540-59-0	1,2-Dichloroethene, Total	96.94	0.080	U	0.20	0.053
67-66-3	Chloroform	119.38	0.080	U	0.20	0.038
109-99-9	Tetrahydrofuran	72.11	0.20	U	5.0	0.18
71-55-6	1,1,1-Trichloroethane	133.41	0.080	U	0.20	0.030
110-82-7	Cyclohexane	84.16	0.030	U	0.20	0.010
56-23-5	Carbon tetrachloride	153.81	0.030	U	0.20	0.011
540-84-1	2,2,4-Trimethylpentane	114.23	0.030	U	0.20	0.023
71-43-2	Benzene	78.11	0.030	U	0.20	0.029
107-06-2	1,2-Dichloroethane	98.96	0.080	U	0.20	0.052

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

Lab Name: TestAmerica Burlington Job No.: 200-27725-1

SDG No.:

Client Sample ID: 042215TB Lab Sample ID: 200-27725-9

Matrix: Air Lab File ID: 13349-018.D

Analysis Method: TO-15 Date Collected: 04/22/2015 09:00

Sample wt/vol: 200(mL) Date Analyzed: 04/30/2015 01:02

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.: 87597 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	0.037
79-01-6	Trichloroethene	131.39	0.030	U	0.20	0.030
80-62-6	Methyl methacrylate	100.12	0.20	U	0.50	0.096
78-87-5	1,2-Dichloropropane	112.99	0.080	U	0.20	0.035
123-91-1	1,4-Dioxane	88.11	0.20	U	5.0	0.16
75-27-4	Bromodichloromethane	163.83	0.030	U	0.20	0.029
10061-01-5	cis-1,3-Dichloropropene	110.97	0.030	U	0.20	0.029
108-10-1	methyl isobutyl ketone	100.16	0.20	U	0.50	0.18
108-88-3	Toluene	92.14	0.030	U	0.20	0.025
10061-02-6	trans-1,3-Dichloropropene	110.97	0.030	U	0.20	0.026
79-00-5	1,1,2-Trichloroethane	133.41	0.080	U	0.20	0.037
127-18-4	Tetrachloroethene	165.83	0.030	U	0.20	0.030
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.20	U	0.50	0.17
124-48-1	Dibromochloromethane	208.29	0.030	U	0.20	0.020
106-93-4	1,2-Dibromoethane	187.87	0.030	U	0.20	0.018
108-90-7	Chlorobenzene	112.56	0.030	U	0.20	0.018
100-41-4	Ethylbenzene	106.17	0.030	U	0.20	0.020
179601-23-1	m,p-Xylene	106.17	0.060	U	0.50	0.025
95-47-6	Xylene, o-	106.17	0.030	U	0.20	0.018
1330-20-7	Xylene (total)	106.17	0.090	U	0.20	0.041
100-42-5	Styrene	104.15	0.030	U	0.20	0.016
75-25-2	Bromoform	252.75	0.030	U	0.20	0.025
98-82-8	Cumene	120.19	0.030	U	0.20	0.019
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.080	U	0.20	0.034
103-65-1	n-Propylbenzene	120.19	0.030	U	0.20	0.027
622-96-8	4-Ethyltoluene	120.20	0.030	U	0.20	0.020
108-67-8	1,3,5-Trimethylbenzene	120.20	0.030	U	0.20	0.019
95-49-8	2-Chlorotoluene	126.59	0.080	U	0.20	0.031
98-06-6	tert-Butylbenzene	134.22	0.030	U	0.20	0.020
95-63-6	1,2,4-Trimethylbenzene	120.20	0.030	U	0.20	0.016
135-98-8	sec-Butylbenzene	134.22	0.030	U	0.20	0.021
99-87-6	4-Isopropyltoluene	134.22	0.030	U	0.20	0.020
541-73-1	1,3-Dichlorobenzene	147.00	0.030	U	0.20	0.020
106-46-7	1,4-Dichlorobenzene	147.00	0.030	U	0.20	0.019

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

Lab Name: TestAmerica Burlington Job No.: 200-27725-1

SDG No.:

Client Sample ID: 042215TB Lab Sample ID: 200-27725-9

Matrix: Air Lab File ID: 13349-018.D

Analysis Method: TO-15 Date Collected: 04/22/2015 09:00

Sample wt/vol: 200(mL) Date Analyzed: 04/30/2015 01:02

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.: 87597 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	0.030	U	0.20	0.018
104-51-8	n-Butylbenzene	134.22	0.030	U	0.20	0.028
95-50-1	1,2-Dichlorobenzene	147.00	0.030	U	0.20	0.018
120-82-1	1,2,4-Trichlorobenzene	181.45	0.080	U	0.50	0.034
87-68-3	Hexachlorobutadiene	260.76	0.080	U	0.20	0.036
91-20-3	Naphthalene	128.17	0.080	U	0.50	0.030

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

Lab Name: TestAmerica Burlington Job No.: 200-27725-1

SDG No.:

Client Sample ID: 042215TB Lab Sample ID: 200-27725-9

Matrix: Air Lab File ID: 13349-018.D

Analysis Method: TO-15 Date Collected: 04/22/2015 09:00

Sample wt/vol: 200(mL) Date Analyzed: 04/30/2015 01:02

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.: 87597 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	0.99	U	2.5	0.28
75-45-6	Freon 22	86.47	0.71	U	1.8	0.28
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.56	U	1.4	0.36
74-87-3	Chloromethane	50.49	0.41	U	1.0	0.12
106-97-8	n-Butane	58.12	0.48	U	1.2	0.43
75-01-4	Vinyl chloride	62.50	0.077	U	0.51	0.066
106-99-0	1,3-Butadiene	54.09	0.18	U	0.44	0.080
74-83-9	Bromomethane	94.94	0.31	U	0.78	0.17
75-00-3	Chloroethane	64.52	0.21	U	1.3	0.16
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.13	U	0.87	0.087
75-69-4	Trichlorofluoromethane	137.37	0.45	U	1.1	0.25
76-13-1	Freon TF	187.38	0.61	U	1.5	0.31
75-35-4	1,1-Dichloroethene	96.94	0.12	U	0.79	0.040
67-64-1	Acetone	58.08	5.9	U	12	1.6
67-63-0	Isopropyl alcohol	60.10	1.2	U	12	0.37
75-15-0	Carbon disulfide	76.14	0.25	U	1.6	0.093
107-05-1	3-Chloropropene	76.53	0.63	U	1.6	0.50
75-09-2	Methylene Chloride	84.93	0.69	U	1.7	0.42
75-65-0	tert-Butyl alcohol	74.12	0.61	U	15	0.36
1634-04-4	Methyl tert-butyl ether	88.15	0.11	U	0.72	0.079
156-60-5	trans-1,2-Dichloroethene	96.94	0.12	U	0.79	0.11
110-54-3	n-Hexane	86.17	0.11	U	0.70	0.099
75-34-3	1,1-Dichloroethane	98.96	0.12	U	0.81	0.11
78-93-3	Methyl Ethyl Ketone	72.11	1.8		1.5	0.27
156-59-2	cis-1,2-Dichloroethene	96.94	0.32	U	0.79	0.12
540-59-0	1,2-Dichloroethene, Total	96.94	0.32	U	0.79	0.21
67-66-3	Chloroform	119.38	0.39	U	0.98	0.19
109-99-9	Tetrahydrofuran	72.11	0.59	U	15	0.53
71-55-6	1,1,1-Trichloroethane	133.41	0.44	U	1.1	0.16
110-82-7	Cyclohexane	84.16	0.10	U	0.69	0.034
56-23-5	Carbon tetrachloride	153.81	0.19	U	1.3	0.069
540-84-1	2,2,4-Trimethylpentane	114.23	0.14	U	0.93	0.11
71-43-2	Benzene	78.11	0.096	U	0.64	0.093
107-06-2	1,2-Dichloroethane	98.96	0.32	U	0.81	0.21

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

Lab Name: TestAmerica Burlington Job No.: 200-27725-1

SDG No.:

Client Sample ID: 042215TB Lab Sample ID: 200-27725-9

Matrix: Air Lab File ID: 13349-018.D

Analysis Method: TO-15 Date Collected: 04/22/2015 09:00

Sample wt/vol: 200(mL) Date Analyzed: 04/30/2015 01:02

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.: 87597 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	0.15
79-01-6	Trichloroethene	131.39	0.16	U	1.1	0.16
80-62-6	Methyl methacrylate	100.12	0.82	U	2.0	0.39
78-87-5	1,2-Dichloropropane	112.99	0.37	U	0.92	0.16
123-91-1	1,4-Dioxane	88.11	0.72	U	18	0.58
75-27-4	Bromodichloromethane	163.83	0.20	U	1.3	0.19
10061-01-5	cis-1,3-Dichloropropene	110.97	0.14	U	0.91	0.13
108-10-1	methyl isobutyl ketone	100.16	0.82	U	2.0	0.74
108-88-3	Toluene	92.14	0.11	U	0.75	0.094
10061-02-6	trans-1,3-Dichloropropene	110.97	0.14	U	0.91	0.12
79-00-5	1,1,2-Trichloroethane	133.41	0.44	U	1.1	0.20
127-18-4	Tetrachloroethene	165.83	0.20	U	1.4	0.20
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.82	U	2.0	0.70
124-48-1	Dibromochloromethane	208.29	0.26	U	1.7	0.17
106-93-4	1,2-Dibromoethane	187.87	0.23	U	1.5	0.14
108-90-7	Chlorobenzene	112.56	0.14	U	0.92	0.083
100-41-4	Ethylbenzene	106.17	0.13	U	0.87	0.087
179601-23-1	m,p-Xylene	106.17	0.26	U	2.2	0.11
95-47-6	Xylene, o-	106.17	0.13	U	0.87	0.078
1330-20-7	Xylene (total)	106.17	0.39	U	0.87	0.18
100-42-5	Styrene	104.15	0.13	U	0.85	0.068
75-25-2	Bromoform	252.75	0.31	U	2.1	0.26
98-82-8	Cumene	120.19	0.15	U	0.98	0.093
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.55	U	1.4	0.23
103-65-1	n-Propylbenzene	120.19	0.15	U	0.98	0.13
622-96-8	4-Ethyltoluene	120.20	0.15	U	0.98	0.098
108-67-8	1,3,5-Trimethylbenzene	120.20	0.15	U	0.98	0.093
95-49-8	2-Chlorotoluene	126.59	0.41	U	1.0	0.16
98-06-6	tert-Butylbenzene	134.22	0.16	U	1.1	0.11
95-63-6	1,2,4-Trimethylbenzene	120.20	0.15	U	0.98	0.079
135-98-8	sec-Butylbenzene	134.22	0.16	U	1.1	0.12
99-87-6	4-Isopropyltoluene	134.22	0.16	U	1.1	0.11
541-73-1	1,3-Dichlorobenzene	147.00	0.18	U	1.2	0.12
106-46-7	1,4-Dichlorobenzene	147.00	0.18	U	1.2	0.11

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

Lab Name: TestAmerica Burlington Job No.: 200-27725-1

SDG No.:

Client Sample ID: 042215TB Lab Sample ID: 200-27725-9

Matrix: Air Lab File ID: 13349-018.D

Analysis Method: TO-15 Date Collected: 04/22/2015 09:00

Sample wt/vol: 200(mL) Date Analyzed: 04/30/2015 01:02

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.: 87597 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	0.16	U	1.0	0.093
104-51-8	n-Butylbenzene	134.22	0.16	U	1.1	0.15
95-50-1	1,2-Dichlorobenzene	147.00	0.18	U	1.2	0.11
120-82-1	1,2,4-Trichlorobenzene	181.45	0.59	U	3.7	0.25
87-68-3	Hexachlorobutadiene	260.76	0.85	U	2.1	0.38
91-20-3	Naphthalene	128.17	0.42	U	2.6	0.16

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHX.i\20150429-13349.b\13349-018.D
Lims ID: 200-27725-A-9 Lab Sample ID: 200-27725-9
Client ID: 042215TB
Sample Type: Client
Inject. Date: 30-Apr-2015 01:02:30 ALS Bottle#: 1 Worklist Smp#: 18
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0013349-018
Misc. Info.: 27725-09
Operator ID: wrd Instrument ID: CHX.i

Method: \\BTV-LIMS1\ChromData\CHX.i\20150429-13349.b\TO15_LLNJ_TO3_CHX.i.m.m
Limit Group: AI_TO15_ICAL
Last Update: 30-Apr-2015 08:55:06 Calib Date: 20-Mar-2015 00:18:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHX.i\20150319-12677.b\12677-011.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK004

First Level Reviewer: lyonsb Date: 30-Apr-2015 08:52:06

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85		3.113				ND	
3 Chlorodifluoromethane	51		3.167				ND	
4 1,2-Dichloro-1,1,2,2-tetra	85		3.375				ND	
5 Chloromethane	50		3.520				ND	
6 Butane	43		3.712				ND	
7 Vinyl chloride	62		3.761				ND	
8 Butadiene	54		3.835				ND	
9 Bromomethane	94		4.510				ND	
10 Chloroethane	64		4.740				ND	
12 Vinyl bromide	106		5.125				ND	
13 Trichlorofluoromethane	101		5.216				ND	
18 1,1,2-Trichloro-1,2,2-trif	101		6.270				ND	
20 1,1-Dichloroethene	96		6.328				ND	
21 Acetone	43		6.575				ND	
22 Carbon disulfide	76		6.724				ND	
23 Isopropyl alcohol	45		6.847				ND	
24 3-Chloro-1-propene	41		7.115				ND	
26 Methylene Chloride	49		7.409				ND	
28 2-Methyl-2-propanol	59		7.618				ND	
29 Methyl tert-butyl ether	73		7.794				ND	
30 trans-1,2-Dichloroethene	61		7.837				ND	
32 Hexane	57		8.206				ND	
33 1,1-Dichloroethane	63		8.720				ND	
35 cis-1,2-Dichloroethene	96		9.838				ND	
36 2-Butanone (MEK)	72	9.886	9.886	0.000	97	9569	0.5948	
S 38 1,2-Dichloroethene, Total	61		10.000				ND	
39 Tetrahydrofuran	42		10.298				ND	
* 40 Chlorobromomethane	128	10.303	10.314	-0.011	79	327916	10.0	
41 Chloroform	83		10.437				ND	
42 Cyclohexane	84		10.678				ND	
43 1,1,1-Trichloroethane	97		10.715				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
44 Carbon tetrachloride	117		10.967				ND	
45 Isooctane	57		11.395				ND	
46 Benzene	78		11.448				ND	
47 1,2-Dichloroethane	62		11.646				ND	
48 n-Heptane	43		11.785				ND	
* 50 1,4-Difluorobenzene	114	12.299	12.304	-0.005	93	1643669	10.0	
52 Trichloroethene	95		12.786				ND	
53 1,2-Dichloropropane	63		13.379				ND	
54 Methyl methacrylate	69		13.529				ND	
55 1,4-Dioxane	88		13.593				ND	
57 Dichlorobromomethane	83		13.957				ND	
58 cis-1,3-Dichloropropene	75		14.931				ND	
61 4-Methyl-2-pentanone (MIBK	43		15.220				ND	
62 Toluene	92		15.535				ND	
67 trans-1,3-Dichloropropene	75		16.156				ND	
68 1,1,2-Trichloroethane	83		16.546				ND	
69 Tetrachloroethene	166		16.637				ND	
70 2-Hexanone	43		16.985				ND	
71 Chlorodibromomethane	129		17.327				ND	
72 Ethylene Dibromide	107		17.611				ND	
* 73 Chlorobenzene-d5	117	18.515	18.520	-0.005	84	1465118	10.0	
74 Chlorobenzene	112		18.579				ND	
75 Ethylbenzene	91		18.724				ND	
77 m-Xylene & p-Xylene	106		18.975				ND	
78 o-Xylene	106		19.783				ND	
79 Styrene	104		19.836				ND	
S 80 Xylenes, Total	106		20.000				ND	
81 Bromoform	173		20.243				ND	
82 Isopropylbenzene	105		20.414				ND	
* 83 4-Bromofluorobenzene	95	20.773	20.773	0.000	98	875791	10.0	
85 1,1,2,2-Tetrachloroethane	83		21.040				ND	
86 N-Propylbenzene	91		21.094				ND	
89 4-Ethyltoluene	105		21.276				ND	
90 2-Chlorotoluene	91		21.297				ND	
91 1,3,5-Trimethylbenzene	105		21.372				ND	
93 tert-Butylbenzene	119		21.848				ND	
94 1,2,4-Trimethylbenzene	105		21.939				ND	
95 sec-Butylbenzene	105		22.158				ND	
96 4-Isopropyltoluene	119		22.356				ND	
97 1,3-Dichlorobenzene	146		22.404				ND	
98 1,4-Dichlorobenzene	146		22.543				ND	
99 Benzyl chloride	91		22.747				ND	
101 n-Butylbenzene	91		22.950				ND	
102 1,2-Dichlorobenzene	146		23.105				ND	
104 1,2,4-Trichlorobenzene	180		25.759				ND	
105 Hexachlorobutadiene	225		25.940				ND	
106 Naphthalene	128		26.294				ND	

Reagents:

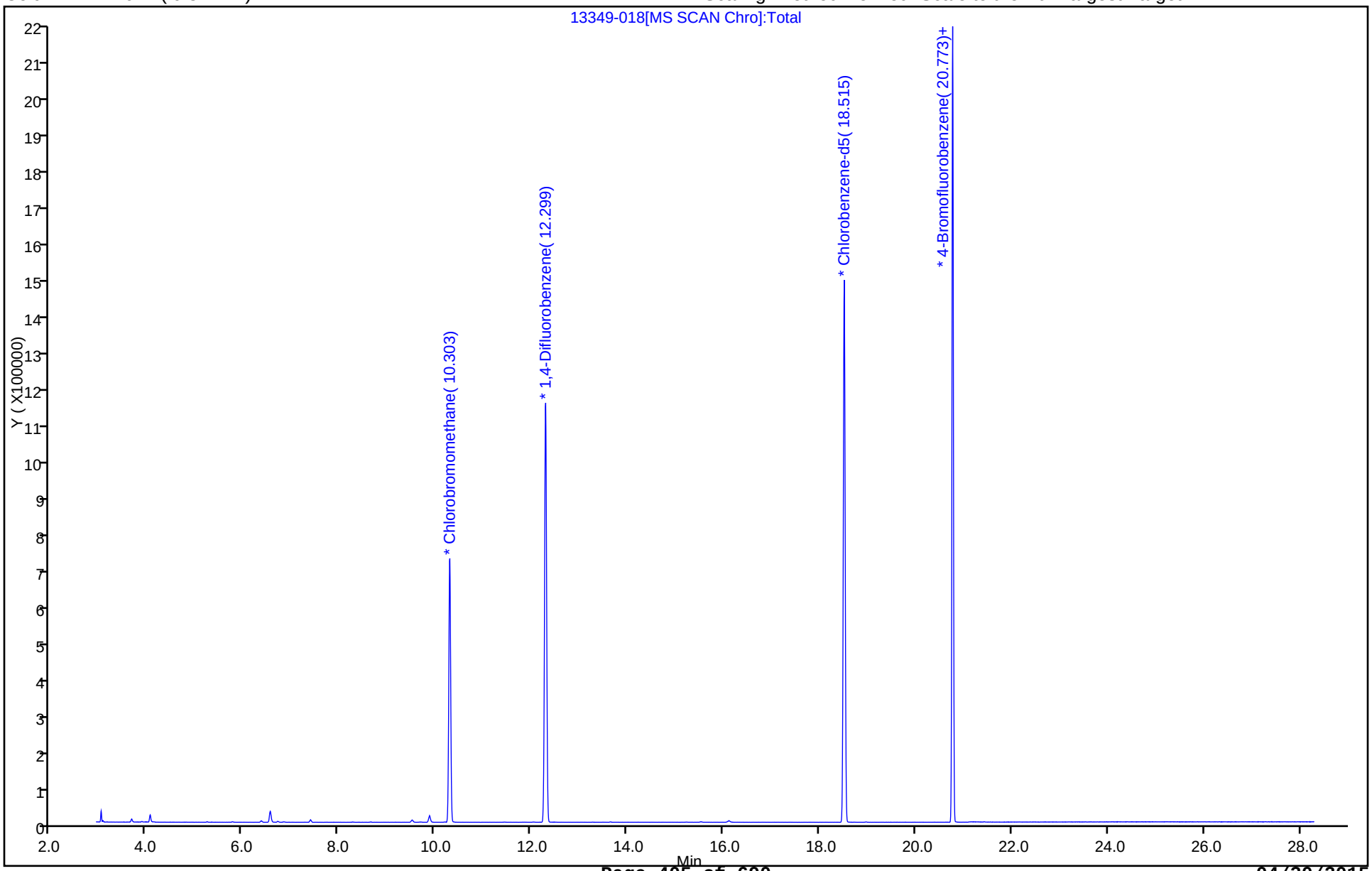
ATTO15GIS_00009 Amount Added: 20.00 Units: mL Run Reagent

Report Date: 30-Apr-2015 08:55:40 Chrom Revision: 2.2 09-Apr-2015 10:05:40

TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHX.i\20150429-13349.b\13349-018.D				
Injection Date:	30-Apr-2015 01:02:30	Instrument ID:	CHX.i	Operator ID:	wrd
Lims ID:	200-27725-A-9	Lab Sample ID:	200-27725-9	Worklist Smp#:	18
Client ID:	042215TB				
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1

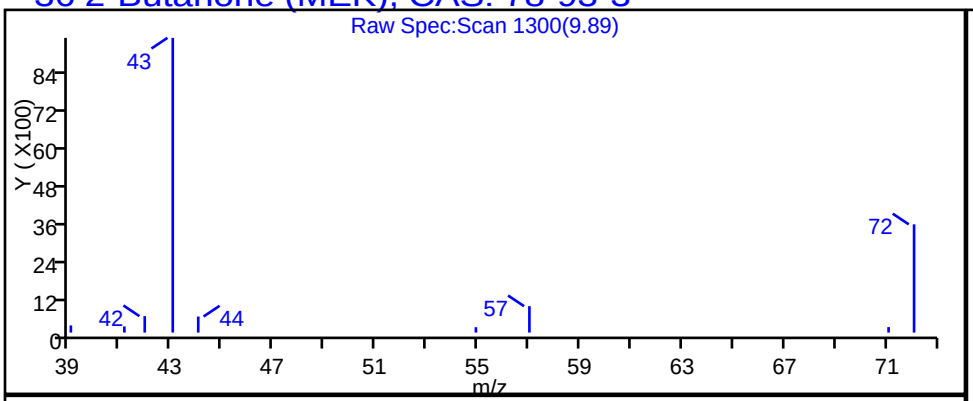


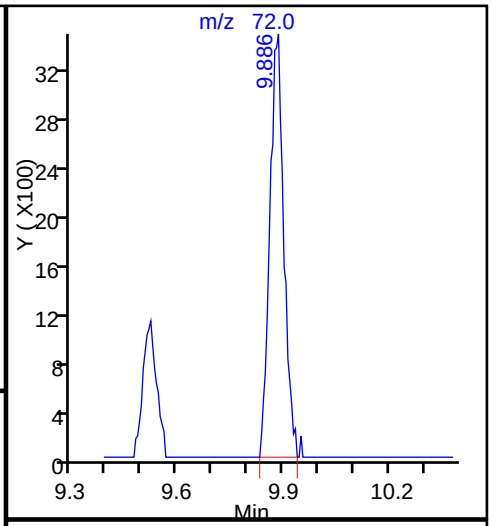
TestAmerica Burlington

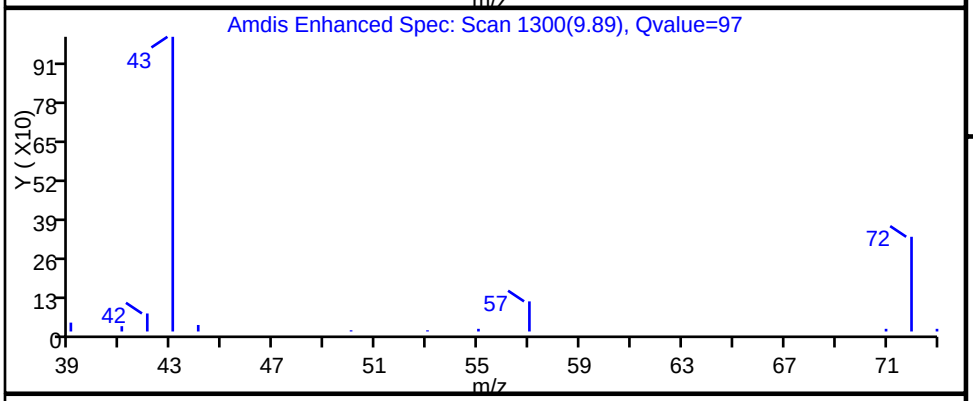
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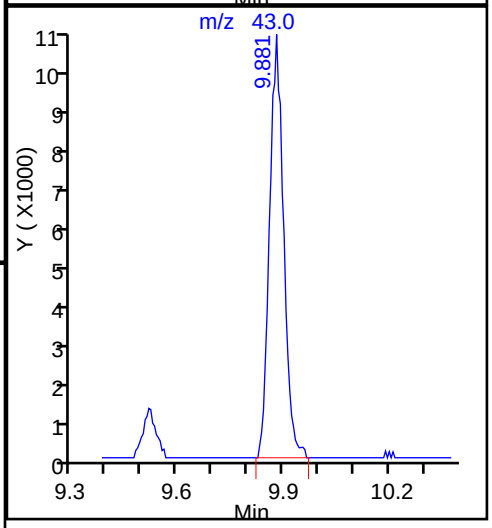
Injection Date:	30-Apr-2015 01:02:30	Instrument ID:	CHX.i		
Lims ID:	200-27725-A-9	Lab Sample ID:	200-27725-9		
Client ID:	042215TB				
Operator ID:	wrd	ALS Bottle#:	1	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_LLNJ_TO3_CHX.i.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

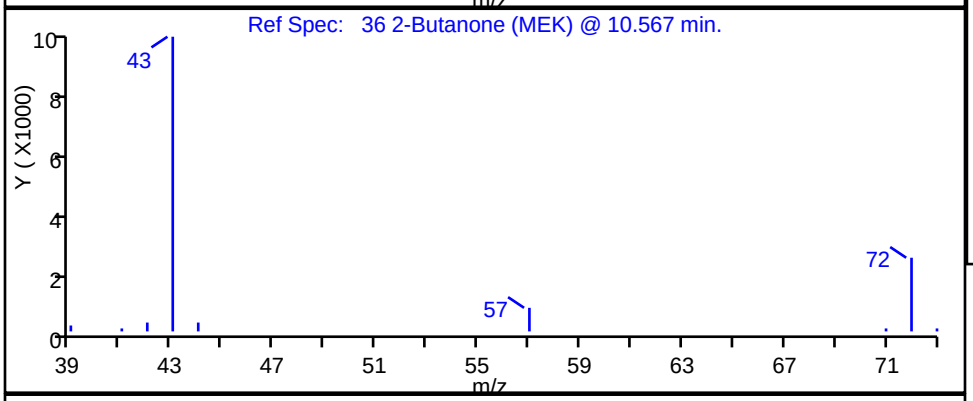
36 2-Butanone (MEK), CAS: 78-93-3

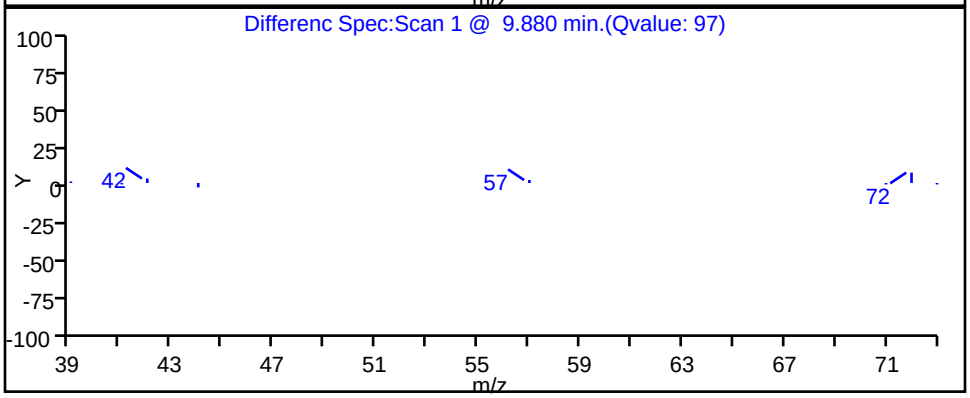












Lab Name: TestAmerica Burlington Job No.: 200-27725-1 Analy Batch No.: 85787

SDG No.:

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

Calibration Start Date: 03/19/2015 18:34 Calibration End Date: 03/20/2015 00:18 Calibration ID: 30154

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-85787/4	12677-004.D
Level 2	IC 200-85787/5	12677-005.D
Level 3	IC 200-85787/6	12677-006.D
Level 4	IC 200-85787/7	12677-007.D
Level 5	ICIS 200-85787/8	12677-008.D
Level 6	IC 200-85787/9	12677-009.D
Level 7	IC 200-85787/10	12677-010.D
Level 8	IC 200-85787/11	12677-011.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	+++++ 0.4213	+++++ 0.4118	0.5612 0.3973	0.4465	0.4280	Ave		0.4444				13.4		30.0			
Dichlorodifluoromethane	+++++ 2.0840	+++++ 2.0430	2.1886 1.9756	2.1239	2.1107	Ave		2.0876				3.5		30.0			
Freon 22	+++++ 1.0029	+++++ 0.9900	1.0685 0.9623	1.0307	1.0197	Ave		1.0124				3.6		30.0			
1,2-Dichlorotetrafluoroethane	+++++ 2.0493	2.0253 2.0066	2.1019 1.9292	2.0870	2.0780	Ave		2.0396				2.9		30.0			
Chloromethane	+++++ 0.5493	+++++ 0.5394	0.5942 0.5316	0.5579	0.5539	Ave		0.5544				3.9		30.0			
n-Butane	+++++ 0.8363	+++++ 0.8346	0.9170 0.8179	0.8501	0.8491	Ave		0.8508				4.1		30.0			
Vinyl chloride	0.6710 0.6413	0.6204 0.6678	0.6906 0.6646	0.6577	0.6790	Ave		0.6616				3.3		30.0			
1,3-Butadiene	+++++ 0.4198	0.4364 0.4314	0.4704 0.4369	0.4358	0.4497	Ave		0.4400				3.6		30.0			
Bromomethane	+++++ 0.5837	0.5999 0.5761	0.6415 0.5430	0.5980	0.6046	Ave		0.5924				5.1		30.0			
Chloroethane	+++++ 0.2608	+++++ 0.2720	0.2883 0.2453	0.2693	0.2812	Ave		0.2695				5.6		30.0			
Isopentane	+++++ 0.4567	0.6331 0.4719	0.5619 0.4384	0.4826	0.4929	Ave		0.5053				13.6		30.0			
Bromoethene(Vinyl Bromide)	+++++ 0.9126	0.8594 0.8508	0.9048 0.8641	0.9147	0.8637	Ave		0.8814				3.2		30.0			
Trichlorofluoromethane	+++++ 2.2756	2.2125 2.2267	2.3610 2.1736	2.2996	2.2234	Ave		2.2532				2.8		30.0			
n-Pentane	+++++ 1.0179	+++++ 0.9920	1.1314 0.9609	1.0397	1.0065	Ave		1.0248				5.7		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

Lab Name: TestAmerica Burlington Job No.: 200-27725-1 Analy Batch No.: 85787

SDG No.:

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

Calibration Start Date: 03/19/2015 18:34 Calibration End Date: 03/20/2015 00:18 Calibration ID: 30154

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	+++++ 0.2870	+++++ 0.2777	0.2882 0.2695	0.2873	0.2880	Ave		0.2829				2.7		30.0			
Ethyl ether	+++++ 0.4879	0.4972 0.4767	0.4934 0.4631	0.4876	0.4896	Ave		0.4851				2.4		30.0			
Acrolein	+++++ 0.2325	+++++ 0.2168	+++++ 0.2065	0.2292	0.2325	Ave		0.2235				5.1		30.0			
Freon TF	+++++ 1.7456	1.7015 1.7002	1.8180 1.6335	1.7602	1.7547	Ave		1.7305				3.4		30.0			
1,1-Dichloroethene	+++++ 0.8219	0.8103 0.8037	0.8422 0.7817	0.8234	0.8206	Ave		0.8148				2.3		30.0			
Acetone	+++++ 0.9646	+++++ 0.8527	+++++ 0.8286	1.0247	0.9152	Ave		0.9172				8.8		30.0			
Carbon disulfide	+++++ 2.0818	+++++ 2.0289	2.1378 1.9871	2.0958	2.0880	Ave		2.0699				2.6		30.0			
Isopropyl alcohol	+++++ 0.8420	+++++ 0.8003	+++++ 0.7648	0.8897	1.0072	Ave		0.8608				10.9		30.0			
3-Chloropropene	+++++ 0.6723	0.8338 0.7318	0.7950 0.6892	0.7502	0.6773	Ave		0.7357				8.4		30.0			
Acetonitrile	+++++ 0.4069	+++++ 0.3881	+++++ 0.3773	0.4240	0.4322	Ave		0.4057				5.7		30.0			
Methylene Chloride	+++++ 0.7134	+++++ 0.6937	0.9983 0.6749	0.7431	0.7219	Ave		0.7576				15.9		30.0			
tert-Butyl alcohol	+++++ 1.3842	+++++ 1.3262	+++++ 1.2860	1.4383	1.5861	Ave		1.4042				8.3		30.0			
Methyl tert-butyl ether	+++++ 2.3366	2.2150 2.2854	2.3766 2.2380	2.3522	2.3430	Ave		2.3067				2.7		30.0			
trans-1,2-Dichloroethene	+++++ 1.0774	1.0451 1.0489	1.1129 1.0197	1.0885	1.0848	Ave		1.0682				3.0		30.0			
Acrylonitrile	+++++ 0.4894	+++++ 0.4752	0.5207 0.4689	0.4895	0.4939	Ave		0.4896				3.7		30.0			
n-Hexane	+++++ 1.0735	1.3713 1.0495	1.1531 1.0188	1.0922	1.0876	Ave		1.1209				10.5		30.0			
1,1-Dichloroethane	1.4308 1.4247	1.3436 1.3911	1.4716 1.3656	1.4306	1.4192	Ave		1.4096				2.9		30.0			
Vinyl acetate	+++++ 1.7127	+++++ 1.6630	+++++ 1.6254	1.7185	1.7225	Ave		1.6884				2.5		30.0			
cis-1,2-Dichloroethene	+++++ 1.0344	0.9943 1.0143	1.0736 0.9997	1.0346	1.0360	Ave		1.0267				2.6		30.0			
Methyl Ethyl Ketone	+++++ 0.4525	+++++ 0.4342	0.7100 0.4279	0.4577	0.4611	Ave		0.4906				22.1		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Burlington Job No.: 200-27725-1 Analy Batch No.: 85787

SDG No.:

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

Calibration Start Date: 03/19/2015 18:34 Calibration End Date: 03/20/2015 00:18 Calibration ID: 30154

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	+++++ 0.0786	+++++ 0.0752	+++++ 0.0746	0.0769	0.0787	Ave		0.0768				2.5		30.0			
Tetrahydrofuran	+++++ 0.1443	+++++ 0.1385	+++++ 0.1363	0.1439	0.1460	Ave		0.1418				2.9		30.0			
Chloroform	+++++ 1.9469	1.8968 1.9169	2.0187 1.8885	1.9545	1.9472	Ave		1.9385				2.3		30.0			
Cyclohexane	+++++ 0.2561	0.2504 0.2531	0.2609 0.2498	0.2569	0.2554	Ave		0.2547				1.5		30.0			
1,1,1-Trichloroethane	+++++ 0.3907	0.3614 0.3856	0.3938 0.3835	0.3891	0.3856	Ave		0.3842				2.8		30.0			
Carbon tetrachloride	0.4335 0.4130	0.3867 0.4304	0.4153 0.4321	0.4233	0.4317	Ave		0.4208				3.8		30.0			
2,2,4-Trimethylpentane	+++++ 0.8491	0.8340 0.8350	0.8718 0.8178	0.8625	0.8487	Ave		0.8455				2.2		30.0			
Benzene	+++++ 0.5884	0.5736 0.5785	0.6074 0.5699	0.5932	0.5862	Ave		0.5853				2.2		30.0			
1,2-Dichloroethane	+++++ 0.2232	0.2132 0.2196	0.2203 0.2190	0.2220	0.2223	Ave		0.2200				1.5		30.0			
n-Heptane	+++++ 0.2739	0.3172 0.2663	0.2863 0.2605	0.2785	0.2733	Ave		0.2794				6.7		30.0			
n-Butanol	+++++ 0.0995	+++++ 0.0948	+++++ 0.0974	0.1009	0.1159	Ave		0.1017				8.1		30.0			
Trichloroethene	0.3033 0.2826	0.2554 0.2774	0.2819 0.2771	0.2762	0.2785	Ave		0.2791				4.7		30.0			
1,2-Dichloropropane	+++++ 0.2111	0.2079 0.2084	0.2101 0.2089	0.2084	0.2100	Ave		0.2093				0.6		30.0			
Methyl methacrylate	+++++ 0.2168	+++++ 0.2131	0.2176 0.2144	0.2126	0.2137	Ave		0.2147				1.0		30.0			
1,4-Dioxane	+++++ 0.1055	+++++ 0.0937	+++++ 0.0903	0.1049	0.1222	Ave		0.1033				12.1		30.0			
Dibromomethane	+++++ 0.3251	0.3155 0.3228	0.3207 0.3266	0.3159	0.3208	Ave		0.3211				1.3		30.0			
Bromodichloromethane	+++++ 0.4385	0.3859 0.4340	0.4225 0.4369	0.4310	0.4346	Ave		0.4262				4.3		30.0			
cis-1,3-Dichloropropene	+++++ 0.3464	0.3005 0.3403	0.3309 0.3451	0.3369	0.3419	Ave		0.3346				4.8		30.0			
methyl isobutyl ketone	+++++ 0.3746	+++++ 0.3591	0.4490 0.3568	0.3711	0.3731	Ave		0.3806				9.0		30.0			
Toluene	+++++ 0.5087	0.5008 0.5067	0.5016 0.5051	0.5075	0.5066	Ave		0.5053				0.6		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Burlington Job No.: 200-27725-1 Analy Batch No.: 85787

SDG No.:

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

Calibration Start Date: 03/19/2015 18:34 Calibration End Date: 03/20/2015 00:18 Calibration ID: 30154

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	+++++ 0.3964	0.4421 0.3868	0.4257 0.3744	0.4046	0.4002	Ave		0.4043				5.7		30.0			
trans-1,3-Dichloropropene	+++++ 0.3544	0.3260 0.3482	0.4271 0.3576	0.3550	0.3508	Ave		0.3599				8.8		30.0			
1,1,2-Trichloroethane	+++++ 0.2350	0.2165 0.2355	0.2334 0.2358	0.2344	0.2365	Ave		0.2325				3.1		30.0			
Tetrachloroethene	0.5178 0.5145	0.4791 0.5164	0.4956 0.5204	0.5070	0.5128	Ave		0.5079				2.8		30.0			
Methyl Butyl Ketone (2-Hexanone)	+++++ 0.3833	+++++ 0.3742	0.5463 0.3737	0.3831	0.3924	Ave		0.4089				16.6		30.0			
Dibromochloromethane	+++++ 0.5590	0.4699 0.5711	0.5096 0.5761	0.5527	0.5582	Ave		0.5424				7.1		30.0			
1,2-Dibromoethane	+++++ 0.4761	0.4272 0.4724	0.4597 0.4791	0.4711	0.4752	Ave		0.4658				3.9		30.0			
Chlorobenzene	+++++ 0.7349	0.6811 0.7309	0.7444 0.7364	0.7297	0.7362	Ave		0.7276				2.9		30.0			
Ethylbenzene	+++++ 1.1288	1.0790 1.1255	1.1110 1.1312	1.1258	1.1297	Ave		1.1187				1.7		30.0			
n-Nonane	+++++ 0.4582	0.4842 0.4562	0.4539 0.4522	0.4615	0.4633	Ave		0.4613				2.3		30.0			
m,p-Xylene	+++++ 0.4716	0.4332 0.4680	0.4628 0.4611	0.4702	0.4707	Ave		0.4625				2.9		30.0			
Xylene, o-	+++++ 0.4653	0.4227 0.4678	0.4543 0.4636	0.4600	0.4686	Ave		0.4575				3.5		30.0			
Styrene	+++++ 0.7502	0.6051 0.7403	0.7048 0.7472	0.7187	0.7515	Ave		0.7168				7.3		30.0			
Bromoform	+++++ 0.6087	0.4468 0.6284	0.5444 0.6255	0.6069	0.6070	Ave		0.5811				11.3		30.0			
Cumene	+++++ 1.3813	1.2630 1.3725	1.3373 1.3701	1.3678	1.3747	Ave		1.3524				3.1		30.0			
1,1,2,2-Tetrachloroethane	+++++ 0.6256	0.5742 0.6197	0.6298 0.6209	0.6211	0.6263	Ave		0.6168				3.1		30.0			
n-Propylbenzene	+++++ 1.5901	1.4365 1.5750	1.5605 1.5725	1.5582	1.5931	Ave		1.5551				3.5		30.0			
1,2,3-Trichloropropane	+++++ 0.4877	+++++ 0.4838	0.5028 0.4842	0.4842	0.4928	Ave		0.4892				1.5		30.0			
n-Decane	+++++ 0.6051	+++++ 0.5961	0.5855 0.5926	0.5941	0.6126	Ave		0.5977				1.6		30.0			
4-Ethyltoluene	+++++ 1.3940	1.2304 1.3740	1.3500 1.3461	1.3706	1.4004	Ave		1.3522				4.2		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Burlington Job No.: 200-27725-1 Analy Batch No.: 85787

SDG No.:

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

Calibration Start Date: 03/19/2015 18:34 Calibration End Date: 03/20/2015 00:18 Calibration ID: 30154

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	+++++ 1.1007	1.0071 1.0884	1.0886 1.0752	1.0810	1.1019	Ave		1.0776				3.0		30.0			
1,3,5-Trimethylbenzene	+++++ 1.1801	1.0251 1.1649	1.1294 1.1733	1.1510	1.1809	Ave		1.1435				4.8		30.0			
Alpha Methyl Styrene	+++++ 0.6273	0.4924 0.6124	0.5609 0.6243	0.5892	0.6243	Ave		0.5901				8.4		30.0			
tert-Butylbenzene	+++++ 1.1611	1.0460 1.1517	1.1229 1.1365	1.1440	1.1622	Ave		1.1321				3.6		30.0			
1,2,4-Trimethylbenzene	+++++ 1.1868	1.0248 1.1636	1.1397 1.1717	1.1515	1.1922	Ave		1.1472				5.0		30.0			
sec-Butylbenzene	+++++ 1.6921	1.5159 1.6690	1.6168 1.6426	1.6712	1.6965	Ave		1.6434				3.8		30.0			
4-Isopropyltoluene	+++++ 1.5045	1.3032 1.4839	1.4314 1.4594	1.4652	1.5138	Ave		1.4516				4.9		30.0			
1,3-Dichlorobenzene	+++++ 0.8996	0.7284 0.8594	0.8756 0.8920	0.8399	0.8973	Ave		0.8560				7.0		30.0			
1,4-Dichlorobenzene	+++++ 0.9077	0.7184 0.8567	0.8898 0.9008	0.8284	0.9028	Ave		0.8578				7.9		30.0			
Benzyl chloride	+++++ 1.0258	0.7941 0.9937	0.9243 1.0796	0.9490	0.9903	Ave		0.9652				9.4		30.0			
n-Undecane	+++++ 0.6568	+++++ 0.6079	+++++ 0.5917	0.6132	0.6733	Ave		0.6286				5.5		30.0			
n-Butylbenzene	+++++ 1.2545	1.0798 1.2026	1.2172 1.1328	1.2056	1.2745	Ave		1.1953				5.7		30.0			
1,2-Dichlorobenzene	+++++ 0.8500	0.6911 0.8208	0.8312 0.8473	0.7992	0.8472	Ave		0.8124				7.0		30.0			
n-Dodecane	+++++ 0.5971	+++++ 0.4426	+++++ 0.5501	0.4099	0.6021	Ave		0.5203				17.1		30.0			
1,2,4-Trichlorobenzene	+++++ 0.7896	+++++ 0.6080	0.7103 0.8126	0.5673	0.7803	Ave		0.7114				14.4		30.0			
Hexachlorobutadiene	+++++ 0.7767	0.6499 0.7256	0.7046 0.7756	0.7044	0.7664	Ave		0.7290				6.5		30.0			
Naphthalene	+++++ 1.5484	+++++ 1.0192	1.4816 1.6229	0.9436	1.5197	Ave		1.3559				21.7		30.0			
1,2,3-Trichlorobenzene	+++++ 0.7178	0.2415 0.5357	0.6258 0.7276	0.5143	0.7031	Ave		0.5808				29.7		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Burlington Job No.: 200-27725-1 Analy Batch No.: 85787

SDG No.:

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

Calibration Start Date: 03/19/2015 18:34 Calibration End Date: 03/20/2015 00:18 Calibration ID: 30154

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-85787/4	12677-004.D
Level 2	IC 200-85787/5	12677-005.D
Level 3	IC 200-85787/6	12677-006.D
Level 4	IC 200-85787/7	12677-007.D
Level 5	ICIS 200-85787/8	12677-008.D
Level 6	IC 200-85787/9	12677-009.D
Level 7	IC 200-85787/10	12677-010.D
Level 8	IC 200-85787/11	12677-011.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	+++++ 186724	+++++ 244359	8076 480159	64413	124174	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Dichlorodifluoromethane	BCM	Ave	+++++ 923597	+++++ 1212252	31493 2387594	306424	612313	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Freon 22	BCM	Ave	+++++ 444459	+++++ 587433	15375 1163054	148709	295815	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,2-Dichlorotetrafluoroethane	BCM	Ave	+++++ 908233	11533 1190635	30245 2331531	301094	602829	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chloromethane	BCM	Ave	+++++ 243444	+++++ 320057	8550 642466	80491	160675	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Butane	BCM	Ave	+++++ 370659	+++++ 495230	13195 988434	122644	246331	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Vinyl chloride	BCM	Ave	764 284238	3533 396247	9937 803222	94889	196966	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Butadiene	BCM	Ave	+++++ 186040	2485 255960	6769 527966	62874	130454	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromomethane	BCM	Ave	+++++ 258702	3416 341830	9231 656190	86278	175391	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chloroethane	BCM	Ave	+++++ 115601	+++++ 161375	4148 296513	38847	81588	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Isopentane	BCM	Ave	+++++ 202408	3605 280031	8085 529849	69619	142988	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromoethene(Vinyl Bromide)	BCM	Ave	+++++ 404450	4894 504864	13019 1044263	131972	250562	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Trichlorofluoromethane	BCM	Ave	+++++ 1008496	12599 1321263	33973 2626974	331765	645028	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Pentane	BCM	Ave	+++++ 451118	+++++ 588639	16280 1161359	150007	291996	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Ethanol	BCM	Ave	+++++ 169937	+++++ 329609	41518 814172	82962	125383	+++++ 20.0	+++++ 40.0	5.01 100.0	9.99	15.0

Lab Name: TestAmerica Burlington Job No.: 200-27725-1 Analy Batch No.: 85787

SDG No.:

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

Calibration Start Date: 03/19/2015 18:34 Calibration End Date: 03/20/2015 00:18 Calibration ID: 30154

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	+++++ 216247	2831 282858	7099 559702	70347	142035	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acrolein	BCM	Ave	+++++ 103040	+++++ 128615	+++++ 249624	33061	67448	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Freon TF	BCM	Ave	+++++ 773615	9689 1008824	26160 1974161	253943	509040	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1-Dichloroethene	BCM	Ave	+++++ 364270	4614 476907	12119 944778	118793	238059	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acetone	BCM	Ave	+++++ 427501	+++++ 505988	+++++ 1001431	147834	265505	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Carbon disulfide	BCM	Ave	+++++ 922621	+++++ 1203879	30762 2401517	302373	605729	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Isopropyl alcohol	BCM	Ave	+++++ 373168	+++++ 474878	+++++ 924277	128353	292201	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
3-Chloropropene	BCM	Ave	+++++ 297973	4748 434256	11439 832956	108238	196482	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acetonitrile	BCM	Ave	+++++ 180321	+++++ 230292	+++++ 456037	61179	125370	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Methylene Chloride	BCM	Ave	+++++ 316179	+++++ 411633	14365 815696	107212	209413	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
tert-Butyl alcohol	BCM	Ave	+++++ 613468	+++++ 786925	+++++ 1554229	207512	460133	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Methyl tert-butyl ether	BCM	Ave	+++++ 1035559	12613 1356109	34198 2704747	339352	679726	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
trans-1,2-Dichloroethene	BCM	Ave	+++++ 477505	5951 622397	16014 1232386	157037	314701	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acrylonitrile	BCM	Ave	+++++ 216890	+++++ 281964	7493 566645	70620	143269	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Hexane	BCM	Ave	+++++ 475775	7809 622772	16592 1231288	157574	315507	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1-Dichloroethane	BCM	Ave	1629 631393	7651 825430	21176 1650448	206393	411711	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Vinyl acetate	BCM	Ave	+++++ 759041	+++++ 986788	+++++ 1964381	247928	499705	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
cis-1,2-Dichloroethene	BCM	Ave	+++++ 458443	5662 601879	15449 1208227	149262	300533	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl Ethyl Ketone	BCM	Ave	+++++ 200531	+++++ 257630	10217 517171	66035	133778	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Ethyl acetate	BCM	Ave	+++++ 34825	+++++ 44621	+++++ 90128	11099	22839	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Tetrahydrofuran	DFB	Ave	+++++ 345691	+++++ 442199	+++++ 881534	112389	230031	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00

Lab Name: TestAmerica Burlington Job No.: 200-27725-1 Analy Batch No.: 85787

SDG No.:

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

Calibration Start Date: 03/19/2015 18:34 Calibration End Date: 03/20/2015 00:18 Calibration ID: 30154

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	+++++ 862822	10801 1137434	29048 2282411	281981	564888	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Cyclohexane	DFB	Ave	+++++ 613437	7815 808115	20540 1615592	200720	402380	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,1-Trichloroethane	DFB	Ave	+++++ 935942	11280 1231314	31004 2480154	303973	607423	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Carbon tetrachloride	DFB	Ave	2698 989379	12069 1374534	32689 2794651	330724	680125	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2,2,4-Trimethylpentane	DFB	Ave	+++++ 2034127	26029 2666347	68626 5288728	673818	1337033	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Benzene	DFB	Ave	+++++ 1409701	17902 1847441	47813 3685935	463438	923455	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloroethane	DFB	Ave	+++++ 534668	6653 701279	17346 1416384	173448	350224	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Heptane	DFB	Ave	+++++ 656217	9901 850334	22534 1684854	217546	430615	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Butanol	DFB	Ave	+++++ 238324	+++++ 302848	+++++ 630200	78818	182641	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Trichloroethene	DFB	Ave	1888 676921	7971 885978	22194 1792221	215767	438771	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloropropane	DFB	Ave	+++++ 505747	6487 665446	16542 1351009	162834	330802	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl methacrylate	DFB	Ave	+++++ 519433	+++++ 680611	17131 1386801	166112	336602	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,4-Dioxane	DFB	Ave	+++++ 252772	+++++ 299144	+++++ 583960	81968	192476	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Dibromomethane	DFB	Ave	+++++ 778789	9846 1030670	25248 2112250	246818	505441	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromodichloromethane	DFB	Ave	+++++ 1050573	12045 1385983	33260 2825786	336704	684614	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
cis-1,3-Dichloropropene	DFB	Ave	+++++ 829869	9378 1086794	26049 2231496	263196	538565	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
methyl isobutyl ketone	DFB	Ave	+++++ 897510	+++++ 1146722	35343 2307226	289883	587778	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Toluene	CBZ	Ave	+++++ 1146575	14309 1501373	36667 3047586	367644	742044	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Octane	DFB	Ave	+++++ 949660	13797 1235286	33515 2421040	316120	630416	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
trans-1,3-Dichloropropene	DFB	Ave	+++++ 849098	10173 1111959	33624 2312607	277373	552669	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2-Trichloroethane	CBZ	Ave	+++++ 529749	6186 697828	17064 1422778	169837	346455	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

Lab Name: TestAmerica Burlington Job No.: 200-27725-1 Analy Batch No.: 85787

SDG No.:

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

Calibration Start Date: 03/19/2015 18:34 Calibration End Date: 03/20/2015 00:18 Calibration ID: 30154

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	2950 1159750	13689 1530093	36231 3139646	367280	751117	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl Butyl Ketone (2-Hexanone)	CBZ	Ave	+++++ 864103	+++++ 1108921	39937 2254683	277543	574782	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Dibromochloromethane	CBZ	Ave	+++++ 1260098	13428 1692324	37256 3475728	400386	817624	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dibromoethane	CBZ	Ave	+++++ 1073294	12206 1399923	33608 2890160	341309	695924	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chlorobenzene	CBZ	Ave	+++++ 1656478	19461 2165773	54417 4442720	528658	1078278	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Ethylbenzene	CBZ	Ave	+++++ 2544560	30830 3335238	81221 6824533	815571	1654595	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Nonane	CBZ	Ave	+++++ 1032850	13834 1351817	33184 2728152	334323	678561	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
m,p-Xylene	CBZ	Ave	+++++ 2126061	24755 2773863	67673 5563826	681261	1378942	+++++ 30.0	0.401 40.0	1.00 80.0	9.99	20.0
Xylene, o-	CBZ	Ave	+++++ 1048906	12078 1386147	33214 2797197	333229	686273	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Styrene	CBZ	Ave	+++++ 1691111	17289 2193731	51527 4507647	520646	1100734	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromoform	CBZ	Ave	+++++ 1372115	12768 1862021	39800 3773926	439648	889103	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Cumene	CBZ	Ave	+++++ 3113704	36089 4067163	97764 8265890	990941	2013481	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2,2-Tetrachloroethane	CBZ	Ave	+++++ 1410176	16406 1836257	46042 3745851	449977	917297	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Propylbenzene	CBZ	Ave	+++++ 3584338	41047 4667240	114083 9486739	1128825	2333292	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2,3-Trichloropropane	CBZ	Ave	+++++ 1099412	+++++ 1433629	36755 2921031	350760	721738	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Decane	CBZ	Ave	+++++ 1363965	+++++ 1766286	42807 3575287	430380	897187	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
4-Ethyltoluene	CBZ	Ave	+++++ 3142190	35158 4071492	98692 8121243	992941	2051099	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2-Chlorotoluene	CBZ	Ave	+++++ 2481134	28777 3225235	79581 6486611	783148	1613928	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3,5-Trimethylbenzene	CBZ	Ave	+++++ 2660182	29290 3451841	82569 7078855	833868	1729549	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Alpha Methyl Styrene	CBZ	Ave	+++++ 1414098	14071 1814622	41006 3766298	426843	914367	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
tert-Butylbenzene	CBZ	Ave	+++++ 2617308	29888 3412729	82092 6856701	828798	1702139	+++++ 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.: 200-27725-1 Analy Batch No.: 85787

SDG No.:

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

Calibration Start Date: 03/19/2015 18:34 Calibration End Date: 03/20/2015 00:18 Calibration ID: 30154

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	+++++ 2675255	29281 3448129	83315 7069045	834236	1746182	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
sec-Butylbenzene	CBZ	Ave	+++++ 3814170	43314 4945685	118195 9909797	1210737	2484701	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
4-Isopropyltoluene	CBZ	Ave	+++++ 3391379	37237 4397328	104644 8804568	1061455	2217218	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Dichlorobenzene	CBZ	Ave	+++++ 2027836	20812 2546571	64008 5381604	608499	1314210	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,4-Dichlorobenzene	CBZ	Ave	+++++ 2046075	20528 2538495	65047 5434481	600161	1322275	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Benzyl chloride	CBZ	Ave	+++++ 2312264	22689 2944520	67572 6513217	687470	1450451	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Undecane	CBZ	Ave	+++++ 1480435	+++++ 1801489	+++++ 3569899	444257	986126	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
n-Butylbenzene	CBZ	Ave	+++++ 2827790	30855 3563561	88983 6833974	873405	1866606	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichlorobenzene	CBZ	Ave	+++++ 1915999	19747 2432101	60766 5111760	579014	1240887	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Dodecane	CBZ	Ave	+++++ 1345841	+++++ 1311440	+++++ 3318604	296931	881851	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
1,2,4-Trichlorobenzene	CBZ	Ave	+++++ 1779891	+++++ 1801598	51930 4902671	410962	1142888	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Hexachlorobutadiene	CBZ	Ave	+++++ 1750679	18570 2150110	51510 4679447	510337	1122447	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Naphthalene	CBZ	Ave	+++++ 3490319	+++++ 3020152	108312 9791100	683561	2225745	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,2,3-Trichlorobenzene	CBZ	Ave	+++++ 1618016	6900 1587276	45750 4389851	372560	1029750	+++++ 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\CHX.i\20150319-12677.b\12677-004.D
Lims ID: ic
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 19-Mar-2015 18:34:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0012677-004
Misc. Info.: ic-01
Operator ID: pad Instrument ID: CHX.i
Sublist: chrom-TO15_LLNJ_TO3_CHX.i.m*sub3

Method: \\BTV-LIMS1\ChromData\CHX.i\20150319-12677.b\TO15_LLNJ_TO3_CHX.i.m.m
Limit Group: AI_TO15_ICAL
Last Update: 23-Mar-2015 12:01:37 Calib Date: 20-Mar-2015 00:18:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHX.i\20150319-12677.b\12677-011.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK014

First Level Reviewer: desjardinsb Date: 20-Mar-2015 09:15:31

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	3.044	3.049	-0.005	81	2007	0.0401	0.1590	
2 Dichlorodifluoromethane	85	3.113	3.119	-0.006	98	2660	0.0401	0.0449	
3 Chlorodifluoromethane	51	3.167	3.167	0.000	96	1377	0.0401	0.0479	
4 1,2-Dichloro-1,1,2,2-tetra	85	3.375	3.381	-0.006	87	2363	0.0401	0.0408	
5 Chloromethane	50	3.520	3.520	0.000	95	712	0.0401	0.0452	
6 Butane	43	3.707	3.718	-0.011	93	2014	0.0401	0.0833	
7 Vinyl chloride	62	3.761	3.766	-0.005	91	764	0.0401	0.0407	
8 Butadiene	54	3.836	3.835	0.001	79	651	0.0401	0.0521	
9 Bromomethane	94	4.504	4.515	-0.011	92	702	0.0401	0.0417	
10 Chloroethane	64	4.745	4.745	0.000	1	370	0.0401	0.0483	
11 2-Methylbutane	43	4.793	4.804	-0.011	64	1604	0.0401	0.1118	
12 Vinyl bromide	106	5.119	5.130	-0.011	97	1086	0.0401	0.0434	
13 Trichlorofluoromethane	101	5.216	5.221	-0.005	93	2649	0.0401	0.0414	
14 Pentane	43	5.355	5.355	0.000	97	2263	0.0401	0.0778	
15 Ethanol	45	5.794	5.793	0.001	89	868	0.0802	0.1080	
16 Ethyl ether	59	5.895	5.868	0.027	7	409	0.0401	0.0297	
17 Acrolein	56	6.280	6.275	0.005	54	554	0.0401	0.0873	
18 1,1,2-Trichloro-1,2,2-trif	101	6.270	6.280	-0.010	89	2189	0.0401	0.0445	
20 1,1-Dichloroethene	96	6.334	6.334	0.000	85	914	0.0401	0.0395	
21 Acetone	43	6.601	6.580	0.021	89	4026	0.0401	0.1546	
22 Carbon disulfide	76	6.724	6.735	-0.011	99	2474	0.0401	0.0421	
23 Isopropyl alcohol	45	6.853	6.853	0.000	96	1386	0.0401	0.0567	
24 3-Chloro-1-propene	41	7.110	7.120	-0.010	89	570	0.0401	0.0273	
25 Acetonitrile	41	7.110	7.275	-0.165	73	1314	0.0401	0.1140	
26 Methylene Chloride	49	7.409	7.414	-0.005	81	4384	0.0401	0.2038	
28 2-Methyl-2-propanol	59		7.623				ND	ND	
29 Methyl tert-butyl ether	73	7.821	7.800	0.021	89	2577	0.0401	0.0393	
30 trans-1,2-Dichloroethene	61	7.837	7.848	-0.011	84	1178	0.0401	0.0388	
31 Acrylonitrile	53	8.014	8.024	-0.010	50	217	0.0401	0.0156	
32 Hexane	57	8.201	8.217	-0.016	86	1847	0.0401	0.0580	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
33 1,1-Dichloroethane	63	8.725	8.730	-0.005	95	1629	0.0401	0.0407	
34 Vinyl acetate	43	8.795	8.795	0.000	98	2299	0.0401	0.0479	
35 cis-1,2-Dichloroethene	96	9.838	9.843	-0.005	18	797	0.0401	0.0273	
36 2-Butanone (MEK)	72	9.902	9.891	0.011	97	557	0.0401	0.0400	
37 Ethyl acetate	88		9.918				ND	ND	
S 38 1,2-Dichloroethene, Total	61				0		0.0802	0.0662	
39 Tetrahydrofuran	42	10.319	10.309	0.010	30	1031	0.0401	0.0468	
* 40 Chlorobromomethane	128	10.309	10.319	-0.010	78	284012	10.0	10.0	
41 Chloroform	83	10.442	10.448	-0.006	62	2461	0.0401	0.0447	
42 Cyclohexane	84	10.694	10.688	0.006	84	780	0.0401	0.0197	
43 1,1,1-Trichloroethane	97	10.721	10.726	-0.005	87	1636	0.0401	0.0274	
44 Carbon tetrachloride	117	10.961	10.972	-0.011	93	2698	0.0401	0.0413	
45 Isooctane	57	11.400	11.400	0.000	95	6187	0.0401	0.0471	
46 Benzene	78	11.443	11.453	-0.010	93	4045	0.0401	0.0445	
47 1,2-Dichloroethane	62		11.651				ND	ND	
48 n-Heptane	43	11.796	11.796	0.000	84	1645	0.0401	0.0379	
* 50 1,4-Difluorobenzene	114	12.309	12.315	-0.006	93	1552618	10.0	10.0	
51 n-Butanol	56	12.721	12.689	0.032	83	967	0.0401	0.0612	
52 Trichloroethene	95	12.786	12.796	-0.010	89	1888	0.0401	0.0436	
53 1,2-Dichloropropane	63		13.390				ND	ND	
54 Methyl methacrylate	69		13.540				ND	ND	
55 1,4-Dioxane	88	13.609	13.604	0.005	20	402	0.0401	0.0251	
56 Dibromomethane	174	13.663	13.663	0.000	63	1649	0.0401	0.0331	
57 Dichlorobromomethane	83	13.957	13.962	-0.005	93	2799	0.0401	0.0423	
58 cis-1,3-Dichloropropene	75	14.925	14.936	-0.011	82	1183	0.0401	0.0228	
A 59 Total Hydrocarbons	1	15.027	(3.012-27.043)		0	1084493	NC	NC	
A 60 TVOC as Toluene	1	15.027	(3.012-27.043)		0	1089030	0.0401	13.9	
61 4-Methyl-2-pentanone (MIBK	43	15.241	15.225	0.016	92	2814	0.0401	0.0476	
A 63 Toluene Range	1		(15.536-15.556)				ND	ND	
62 Toluene	92	15.535	15.546	-0.011	91	3194	0.0401	0.0445	
66 n-Octane	43	15.562	15.573	-0.011	82	3626	0.0401	0.0578	
A 64 C8 Range	1		(15.563-15.583)				ND	ND	
A 65 GRO	1	15.573	(15.573-15.573)		0	23918	0.0401	0	
67 trans-1,3-Dichloropropene	75	16.161	16.167	-0.006	39	2274	0.0401	0.0407	
68 1,1,2-Trichloroethane	83		16.552				ND	ND	
69 Tetrachloroethene	166	16.643	16.648	-0.005	93	2950	0.0401	0.0409	
70 2-Hexanone	43	17.012	16.996	0.016	89	2303	0.0401	0.0396	
71 Chlorodibromomethane	129	17.328	17.338	-0.010	93	2975	0.0401	0.0386	
72 Ethylene Dibromide	107	17.622	17.622	0.000	95	2676	0.0401	0.0404	
* 73 Chlorobenzene-d5	117	18.526	18.526	0.000	83	1421085	10.0	10.0	
74 Chlorobenzene	112	18.579	18.590	-0.011	97	4366	0.0401	0.0422	
75 Ethylbenzene	91	18.729	18.729	0.000	96	7221	0.0401	0.0454	
76 n-Nonane	57	18.825	18.825	0.000	83	3318	0.0401	0.0506	
77 m-Xylene & p-Xylene	106	18.981	18.986	-0.005	98	5434	0.0802	0.0827	
78 o-Xylene	106	19.788	19.794	-0.006	94	2610	0.0401	0.0401	
79 Styrene	104	19.842	19.842	0.000	94	3874	0.0401	0.0380	
S 80 Xylenes, Total	106				0		0.1203	0.1228	
81 Bromoform	173	20.254	20.248	0.006	94	2640	0.0401	0.0320	
82 Isopropylbenzene	105	20.420	20.425	-0.005	94	8330	0.0401	0.0433	
* 83 4-Bromofluorobenzene	95	20.778	20.783	-0.005	98	977359	10.0	10.0	
85 1,1,2,2-Tetrachloroethane	83	21.046	21.045	0.001	96	3615	0.0401	0.0412	
86 N-Propylbenzene	91	21.104	21.104	0.000	99	9380	0.0401	0.0424	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
87 1,2,3-Trichloropropane	75	21.136	21.142	-0.006	94	3318	0.0401	0.0477	
88 n-Decane	57	21.243	21.243	0.000	85	4887	0.0401	0.0575	
89 4-Ethyltoluene	105	21.281	21.281	0.000	97	8168	0.0401	0.0425	
90 2-Chlorotoluene	91	21.302	21.302	0.000	95	6483	0.0401	0.0423	
91 1,3,5-Trimethylbenzene	105	21.377	21.383	-0.006	93	6811	0.0401	0.0419	
92 Alpha Methyl Styrene	118	21.730	21.736	-0.006	84	2868	0.0401	0.0342	
93 tert-Butylbenzene	119	21.853	21.853	0.000	94	6827	0.0401	0.0424	
94 1,2,4-Trimethylbenzene	105	21.939	21.944	-0.005	96	6624	0.0401	0.0406	
95 sec-Butylbenzene	105	22.164	22.169	-0.005	98	9783	0.0401	0.0419	
96 4-Isopropyltoluene	119	22.362	22.362	0.000	97	8519	0.0401	0.0413	
97 1,3-Dichlorobenzene	146	22.410	22.410	0.000	98	4962	0.0401	0.0408	
98 1,4-Dichlorobenzene	146	22.549	22.549	0.000	92	4672	0.0401	0.0383	
99 Benzyl chloride	91	22.757	22.752	0.005	98	5197	0.0401	0.0379	
101 n-Butylbenzene	91	22.955	22.955	0.000	96	6450	0.0401	0.0380	
100 Undecane	57	22.950	22.955	-0.005	80	4175	0.0401	0.0467	
102 1,2-Dichlorobenzene	146	23.105	23.110	-0.005	96	4365	0.0401	0.0378	
103 Dodecane	57	24.625	24.619	0.005	90	1422	0.0401	0.0192	
104 1,2,4-Trichlorobenzene	180	25.764	25.764	0.000	1	1045	0.0401	0.0103	
105 Hexachlorobutadiene	225	25.957	25.951	0.006	95	3724	0.0401	0.0359	
106 Naphthalene	128	26.299	26.304	-0.005	1	420	0.0401	0.002180	
107 1,2,3-Trichlorobenzene	180	26.829	26.812	0.017	82	842	0.0401	0.0102	

QC Flag Legend

Processing Flags

NC - Not Calibrated

ND - Not Detected or Marked ND

Reagents:

ATTO15CAL1w_00131	Amount Added: 40.00	Units: mL	
ATTO15GIS_00009	Amount Added: 20.00	Units: mL	Run Reagent

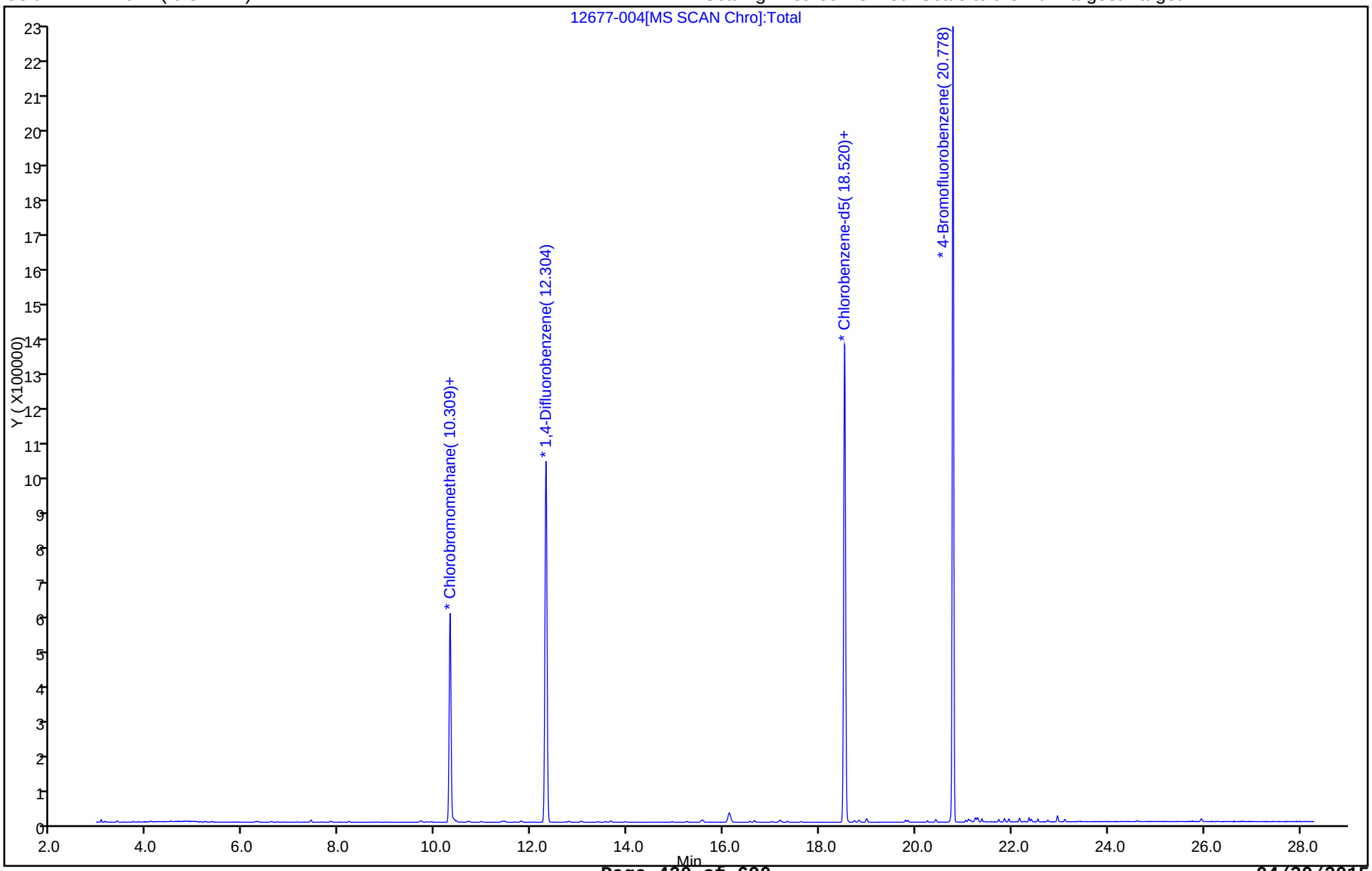
Report Date: 23-Mar-2015 12:01:37 Chrom Revision: 2.2 13-Mar-2015 11:20:44

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHX.i\20150319-12677.b\12677-004.D

Injection Date:	19-Mar-2015 18:34:30	Instrument ID:	CHX.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_CHX.i.m	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\CHX.i\20150319-12677.b\12677-005.D
Lims ID: ic
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 19-Mar-2015 19:23:30 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0012677-005
Misc. Info.: ic-02
Operator ID: pad Instrument ID: CHX.i
Sublist: chrom-TO15_LLNJ_TO3_CHX.i.m*sub3

Method: \\BTV-LIMS1\ChromData\CHX.i\20150319-12677.b\TO15_LLNJ_TO3_CHX.i.m.m
Limit Group: AI_TO15_ICAL
Last Update: 23-Mar-2015 12:01:40 Calib Date: 20-Mar-2015 00:18:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHX.i\20150319-12677.b\12677-011.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK014

First Level Reviewer: desjardinsb Date: 20-Mar-2015 09:17:15

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	3.044	3.049	-0.005	88	4165	0.2004	0.3299	
2 Dichlorodifluoromethane	85	3.113	3.119	-0.006	80	11604	0.2004	0.1957	
3 Chlorodifluoromethane	51	3.167	3.167	0.000	50	6091	0.2004	0.2118	
4 1,2-Dichloro-1,1,2,2-tetra	85	3.381	3.381	0.000	84	11533	0.2004	0.1990	
5 Chloromethane	50	3.520	3.520	0.000	57	3377	0.2004	0.2144	
6 Butane	43	3.718	3.718	0.000	83	7261	0.2004	0.3004	
7 Vinyl chloride	62	3.761	3.766	-0.005	44	3533	0.2004	0.1880	
8 Butadiene	54	3.836	3.835	0.001	81	2485	0.2004	0.1988	
9 Bromomethane	94	4.510	4.515	-0.005	84	3416	0.2004	0.2030	
10 Chloroethane	64	4.740	4.745	-0.005	51	1456	0.2004	0.1902	
11 2-Methylbutane	43	4.798	4.804	-0.006	69	3605	0.2004	0.2511	
12 Vinyl bromide	106	5.130	5.130	0.000	70	4894	0.2004	0.1954	
13 Trichlorofluoromethane	101	5.216	5.221	-0.005	60	12599	0.2004	0.1968	
14 Pentane	43	5.350	5.355	-0.005	90	8213	0.2004	0.2821	
15 Ethanol	45	5.794	5.793	0.001	91	4159	0.4009	0.5174	
16 Ethyl ether	59	5.879	5.868	0.011	74	2831	0.2004	0.2054	
17 Acrolein	56	6.270	6.275	-0.005	1	2059	0.2004	0.3243	
18 1,1,2-Trichloro-1,2,2-trif	101	6.275	6.280	-0.005	74	9689	0.2004	0.1971	
20 1,1-Dichloroethene	96	6.339	6.334	0.005	54	4614	0.2004	0.1993	
21 Acetone	43	6.580	6.580	0.000	75	14855	0.2004	0.5701	
22 Carbon disulfide	76	6.724	6.735	-0.011	97	11118	0.2004	0.1891	
23 Isopropyl alcohol	45	6.858	6.853	0.005	63	5193	0.2004	0.2124	
24 3-Chloro-1-propene	41	7.115	7.120	-0.005	61	4748	0.2004	0.2272	
25 Acetonitrile	41	7.270	7.275	-0.005	93	3073	0.2004	0.2666	
26 Methylene Chloride	49	7.414	7.414	0.000	64	7444	0.2004	0.3459	
28 2-Methyl-2-propanol	59	7.639	7.623	0.016	76	7385	0.2004	0.1851	
29 Methyl tert-butyl ether	73	7.810	7.800	0.010	82	12613	0.2004	0.1925	
30 trans-1,2-Dichloroethene	61	7.837	7.848	-0.011	52	5951	0.2004	0.1961	
31 Acrylonitrile	53	8.014	8.024	-0.010	72	2652	0.2004	0.1907	
32 Hexane	57	8.206	8.217	-0.011	80	7809	0.2004	0.2452	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
33 1,1-Dichloroethane	63	8.720	8.730	-0.010	60	7651	0.2004	0.1910	
34 Vinyl acetate	43	8.789	8.795	-0.006	98	9593	0.2004	0.2000	
35 cis-1,2-Dichloroethene	96	9.838	9.843	-0.005	65	5662	0.2004	0.1941	
36 2-Butanone (MEK)	72	9.902	9.891	0.011	93	2832	0.2004	0.2032	
37 Ethyl acetate	88	9.918	9.918	0.000	81	223	0.2004	0.1022	
S 38 1,2-Dichloroethene, Total	61				0		0.4009	0.3902	
39 Tetrahydrofuran	42	10.319	10.309	0.010	28	4598	0.2004	0.2083	
* 40 Chlorobromomethane	128	10.309	10.319	-0.010	76	284096	10.0	10.0	
41 Chloroform	83	10.437	10.448	-0.011	70	10801	0.2004	0.1961	
42 Cyclohexane	84	10.678	10.688	-0.010	64	7815	0.2004	0.1971	
43 1,1,1-Trichloroethane	97	10.721	10.726	-0.005	71	11280	0.2004	0.1885	
44 Carbon tetrachloride	117	10.967	10.972	-0.005	76	12069	0.2004	0.1842	
45 Isooctane	57	11.400	11.400	0.000	93	26029	0.2004	0.1977	
46 Benzene	78	11.454	11.453	0.001	64	17902	0.2004	0.1964	
47 1,2-Dichloroethane	62	11.646	11.651	-0.005	67	6653	0.2004	0.1943	
48 n-Heptane	43	11.791	11.796	-0.005	74	9901	0.2004	0.2276	
* 50 1,4-Difluorobenzene	114	12.304	12.315	-0.011	92	1557050	10.0	10.0	
51 n-Butanol	56	12.705	12.689	0.016	71	4254	0.2004	0.2686	
52 Trichloroethene	95	12.786	12.796	-0.010	80	7971	0.2004	0.1834	
53 1,2-Dichloropropane	63	13.385	13.390	-0.005	66	6487	0.2004	0.1991	
54 Methyl methacrylate	69	13.535	13.540	-0.005	62	6091	0.2004	0.1822	
55 1,4-Dioxane	88	13.609	13.604	0.005	50	2954	0.2004	0.1836	
56 Dibromomethane	174	13.652	13.663	-0.011	82	9846	0.2004	0.1970	
57 Dichlorobromomethane	83	13.963	13.962	0.001	77	12045	0.2004	0.1815	
58 cis-1,3-Dichloropropene	75	14.931	14.936	-0.005	60	9378	0.2004	0.1800	
A 59 Total Hydrocarbons	1	15.027	(3.012-27.043)		0	4184623	NC	NC	
A 60 TVOC as Toluene	1	15.027	(3.012-27.043)		0	4184623	0.2004	53.2	
61 4-Methyl-2-pentanone (MIBK	43	15.241	15.225	0.016	79	11062	0.2004	0.1867	
A 63 Toluene Range	1		(15.536-15.556)				ND	ND	
62 Toluene	92	15.541	15.546	-0.005	81	14309	0.2004	0.1987	
66 n-Octane	43	15.573	15.573	0.000	84	13797	0.2004	0.2192	
A 64 C8 Range	1		(15.563-15.583)				ND	ND	
A 65 GRO	1	15.573	(15.573-15.573)		0	110153	0.2004	0	
67 trans-1,3-Dichloropropene	75	16.167	16.167	0.000	63	10173	0.2004	0.1815	
68 1,1,2-Trichloroethane	83	16.552	16.552	0.000	81	6186	0.2004	0.1867	
69 Tetrachloroethene	166	16.648	16.648	0.000	83	13689	0.2004	0.1890	
70 2-Hexanone	43	16.996	16.996	0.000	83	10594	0.2004	0.1818	
71 Chlorodibromomethane	129	17.333	17.338	-0.005	84	13428	0.2004	0.1737	
72 Ethylene Dibromide	107	17.622	17.622	0.000	80	12206	0.2004	0.1838	
* 73 Chlorobenzene-d5	117	18.520	18.526	-0.006	83	1425554	10.0	10.0	
74 Chlorobenzene	112	18.585	18.590	-0.005	35	19461	0.2004	0.1876	
75 Ethylbenzene	91	18.729	18.729	0.000	86	30830	0.2004	0.1933	
76 n-Nonane	57	18.825	18.825	0.000	80	13834	0.2004	0.2103	
77 m-Xylene & p-Xylene	106	18.981	18.986	-0.005	99	24755	0.4009	0.3754	
78 o-Xylene	106	19.788	19.794	-0.006	71	12078	0.2004	0.1852	
79 Styrene	104	19.842	19.842	0.000	76	17289	0.2004	0.1692	
S 80 Xylenes, Total	106				0		0.6013	0.5606	
81 Bromoform	173	20.248	20.248	0.000	93	12768	0.2004	0.1541	
82 Isopropylbenzene	105	20.420	20.425	-0.005	89	36089	0.2004	0.1872	
* 83 4-Bromofluorobenzene	95	20.778	20.783	-0.005	98	986675	10.0	10.0	
85 1,1,2,2-Tetrachloroethane	83	21.046	21.045	0.001	83	16406	0.2004	0.1866	
86 N-Propylbenzene	91	21.099	21.104	-0.005	96	41047	0.2004	0.1852	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
87 1,2,3-Trichloropropane	75	21.142	21.142	0.000	87	13815	0.2004	0.1981	
88 n-Decane	57	21.243	21.243	0.000	84	17435	0.2004	0.2046	
89 4-Ethyltoluene	105	21.281	21.281	0.000	94	35158	0.2004	0.1824	
90 2-Chlorotoluene	91	21.302	21.302	0.000	82	28777	0.2004	0.1873	
91 1,3,5-Trimethylbenzene	105	21.383	21.383	0.000	90	29290	0.2004	0.1797	
92 Alpha Methyl Styrene	118	21.736	21.736	0.000	88	14071	0.2004	0.1673	
93 tert-Butylbenzene	119	21.848	21.853	-0.005	85	29888	0.2004	0.1852	
94 1,2,4-Trimethylbenzene	105	21.944	21.944	0.000	88	29281	0.2004	0.1790	
95 sec-Butylbenzene	105	22.164	22.169	-0.005	95	43314	0.2004	0.1849	
96 4-Isopropyltoluene	119	22.362	22.362	0.000	79	37237	0.2004	0.1799	
97 1,3-Dichlorobenzene	146	22.410	22.410	0.000	93	20812	0.2004	0.1705	
98 1,4-Dichlorobenzene	146	22.549	22.549	0.000	91	20528	0.2004	0.1679	
99 Benzyl chloride	91	22.752	22.752	0.000	94	22689	0.2004	0.1649	
101 n-Butylbenzene	91	22.955	22.955	0.000	92	30855	0.2004	0.1811	
100 Undecane	57	22.955	22.955	0.000	72	17454	0.2004	0.1948	
102 1,2-Dichlorobenzene	146	23.111	23.110	0.001	96	19747	0.2004	0.1705	
103 Dodecane	57	24.614	24.619	-0.005	78	9570	0.2004	0.1290	
104 1,2,4-Trichlorobenzene	180	25.764	25.764	0.000	43	7702	0.2004	0.0760	
105 Hexachlorobutadiene	225	25.946	25.951	-0.005	85	18570	0.2004	0.1787	
106 Naphthalene	128	26.299	26.304	-0.005	19	5683	0.2004	0.0294	
107 1,2,3-Trichlorobenzene	180	26.818	26.812	0.006	44	6900	0.2004	0.0833	

QC Flag Legend

Processing Flags

NC - Not Calibrated

ND - Not Detected or Marked ND

Reagents:

ATTO15CAL1w_00131	Amount Added: 200.00	Units: mL	
ATTO15GIS_00009	Amount Added: 20.00	Units: mL	Run Reagent

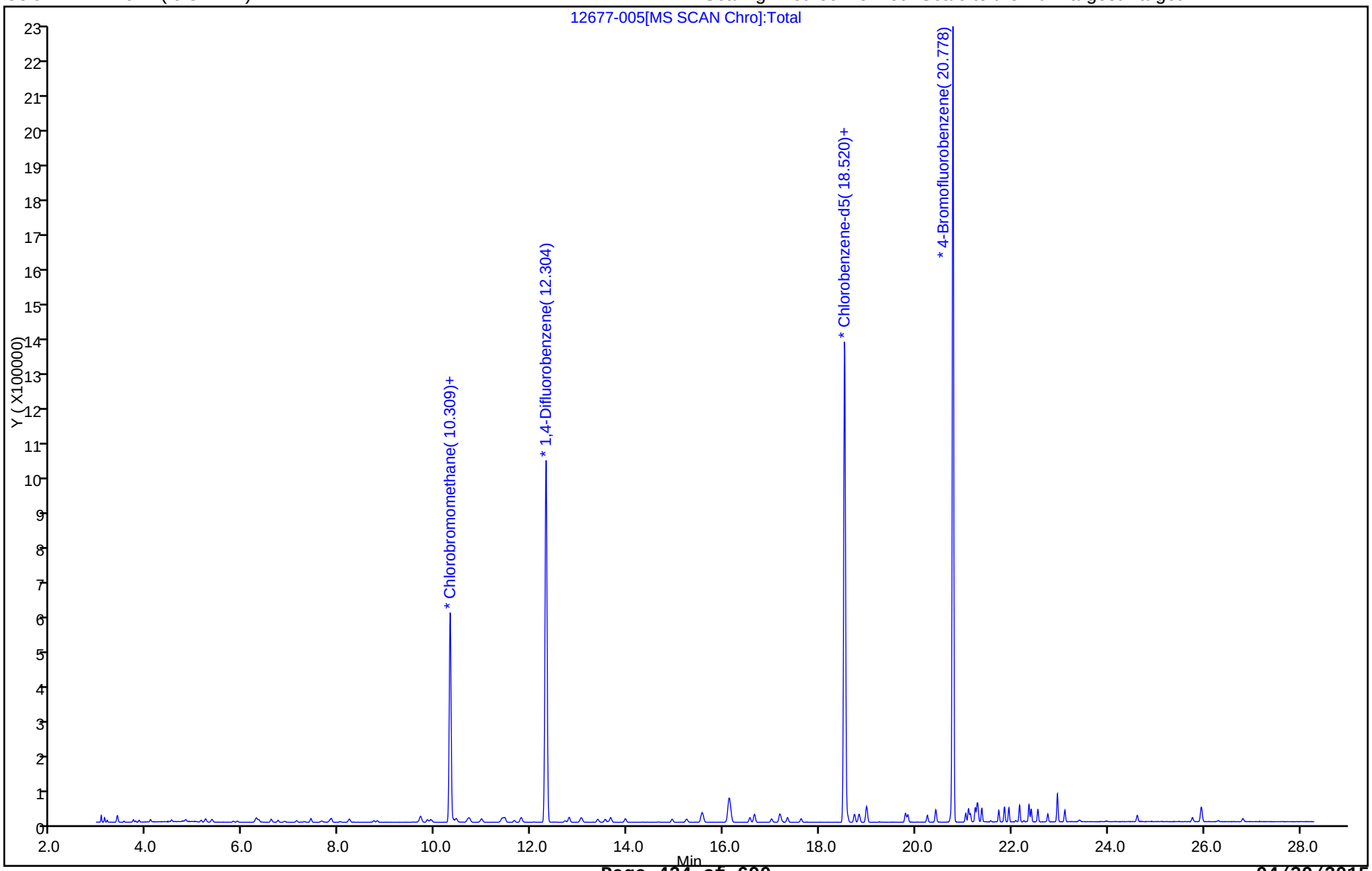
Report Date: 23-Mar-2015 12:01:40 Chrom Revision: 2.2 13-Mar-2015 11:20:44

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHX.i\20150319-12677.b\12677-005.D

Injection Date:	19-Mar-2015 19:23:30	Instrument ID:	CHX.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_CHX.i.m	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\CHX.i\20150319-12677.b\12677-006.D
Lims ID: ic
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 19-Mar-2015 20:12:30 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0012677-006
Misc. Info.: ic-03
Operator ID: pad Instrument ID: CHX.i
Sublist: chrom-TO15_LLNJ_TO3_CHX.i.m*sub3

Method: \\BTV-LIMS1\ChromData\CHX.i\20150319-12677.b\TO15_LLNJ_TO3_CHX.i.m.m
Limit Group: AI_TO15_ICAL
Last Update: 23-Mar-2015 12:01:43 Calib Date: 20-Mar-2015 00:18:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHX.i\20150319-12677.b\12677-011.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK014

First Level Reviewer: desjardinsb Date: 20-Mar-2015 14:34:47

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	3.049	3.049	0.000	94	8076	0.5005	0.6321	
2 Dichlorodifluoromethane	85	3.119	3.119	0.000	88	31493	0.5005	0.5247	
3 Chlorodifluoromethane	51	3.167	3.167	0.000	70	15375	0.5005	0.5282	
4 1,2-Dichloro-1,1,2,2-tetra	85	3.375	3.381	-0.006	90	30245	0.5005	0.5157	
5 Chloromethane	50	3.520	3.520	0.000	93	8550	0.5005	0.5364	
6 Butane	43	3.718	3.718	0.000	92	13195	0.5005	0.5394	
7 Vinyl chloride	62	3.761	3.766	-0.005	62	9937	0.5005	0.5224	
8 Butadiene	54	3.836	3.835	0.001	91	6769	0.5005	0.5350	
9 Bromomethane	94	4.510	4.515	-0.005	88	9231	0.5005	0.5420	
10 Chloroethane	64	4.740	4.745	-0.005	64	4148	0.5005	0.5353	
11 2-Methylbutane	43	4.798	4.804	-0.006	89	8085	0.5005	0.5564	
12 Vinyl bromide	106	5.125	5.130	-0.005	95	13019	0.5005	0.5137	
13 Trichlorofluoromethane	101	5.221	5.221	0.000	81	33973	0.5005	0.5244	
14 Pentane	43	5.355	5.355	0.000	93	16280	0.5005	0.5525	
15 Ethanol	45	5.788	5.793	-0.005	99	41518	5.01	5.10	
16 Ethyl ether	59	5.874	5.868	0.006	73	7099	0.5005	0.5090	
17 Acrolein	56	6.270	6.275	-0.005	8	5277	0.5005	0.8212	
18 1,1,2-Trichloro-1,2,2-trif	101	6.280	6.280	0.000	94	26160	0.5005	0.5258	
20 1,1-Dichloroethene	96	6.328	6.334	-0.006	80	12119	0.5005	0.5173	
21 Acetone	43	6.580	6.580	0.000	87	48897	0.5005	1.85	
22 Carbon disulfide	76	6.730	6.735	-0.005	97	30762	0.5005	0.5169	
23 Isopropyl alcohol	45	6.858	6.853	0.005	92	15103	0.5005	0.6102	
24 3-Chloro-1-propene	41	7.115	7.120	-0.005	83	11439	0.5005	0.5408	
25 Acetonitrile	41	7.275	7.275	0.000	95	6723	0.5005	0.5763	
26 Methylene Chloride	49	7.409	7.414	-0.005	75	14365	0.5005	0.6595	
28 2-Methyl-2-propanol	59	7.623	7.623	0.000	94	22225	0.5005	0.5505	
29 Methyl tert-butyl ether	73	7.810	7.800	0.010	92	34198	0.5005	0.5156	
30 trans-1,2-Dichloroethene	61	7.842	7.848	-0.006	74	16014	0.5005	0.5214	
31 Acrylonitrile	53	8.019	8.024	-0.005	87	7493	0.5005	0.5323	
32 Hexane	57	8.212	8.217	-0.005	85	16592	0.5005	0.5148	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
33 1,1-Dichloroethane	63	8.725	8.730	-0.005	78	21176	0.5005	0.5225	
34 Vinyl acetate	43	8.789	8.795	-0.006	99	25089	0.5005	0.5168	
35 cis-1,2-Dichloroethene	96	9.838	9.843	-0.005	78	15449	0.5005	0.5233	
36 2-Butanone (MEK)	72	9.891	9.891	0.000	99	10217	0.5005	0.7243	
37 Ethyl acetate	88	9.913	9.918	-0.005	95	1030	0.5005	0.4664	
S 38 1,2-Dichloroethene, Total	61				0		1.00	1.04	
39 Tetrahydrofuran	42	10.309	10.309	0.000	31	12149	0.5005	0.5447	
* 40 Chlorobromomethane	128	10.309	10.319	-0.010	76	287526	10.0	10.0	
41 Chloroform	83	10.442	10.448	-0.006	88	29048	0.5005	0.5212	
42 Cyclohexane	84	10.683	10.688	-0.005	79	20540	0.5005	0.5128	
43 1,1,1-Trichloroethane	97	10.721	10.726	-0.005	82	31004	0.5005	0.5130	
44 Carbon tetrachloride	117	10.967	10.972	-0.005	87	32689	0.5005	0.4939	
45 Isooctane	57	11.400	11.400	0.000	98	68626	0.5005	0.5160	
46 Benzene	78	11.454	11.453	0.001	92	47813	0.5005	0.5193	
47 1,2-Dichloroethane	62	11.646	11.651	-0.005	79	17346	0.5005	0.5014	
48 n-Heptane	43	11.791	11.796	-0.005	81	22534	0.5005	0.5127	
* 50 1,4-Difluorobenzene	114	12.309	12.315	-0.006	92	1572984	10.0	10.0	
51 n-Butanol	56	12.695	12.689	0.006	77	13553	0.5005	0.8471	
52 Trichloroethene	95	12.791	12.796	-0.005	86	22194	0.5005	0.5056	
53 1,2-Dichloropropane	63	13.385	13.390	-0.005	87	16542	0.5005	0.5026	
54 Methyl methacrylate	69	13.540	13.540	0.000	78	17131	0.5005	0.5072	
55 1,4-Dioxane	88	13.604	13.604	0.000	50	9639	0.5005	0.5931	
56 Dibromomethane	174	13.658	13.663	-0.005	87	25248	0.5005	0.4999	
57 Dichlorobromomethane	83	13.963	13.962	0.001	89	33260	0.5005	0.4961	
58 cis-1,3-Dichloropropene	75	14.931	14.936	-0.005	77	26049	0.5005	0.4950	
A 59 Total Hydrocarbons	1	15.027	(3.012-27.043)		0	15425197	NC	NC	
A 60 TVOC as Toluene	1	15.027	(3.012-27.043)		0	15425197	0.5005	194.1	
61 4-Methyl-2-pentanone (MIBK	43	15.236	15.225	0.011	90	35343	0.5005	0.5903	
A 63 Toluene Range	1	15.546	(15.536-15.556)		0	284191	NC	NC	
62 Toluene	92	15.541	15.546	-0.005	92	36667	0.5005	0.4968	
66 n-Octane	43	15.573	15.573	0.000	86	33515	0.5005	0.5270	
A 64 C8 Range	1		(15.563-15.583)				ND	ND	
A 65 GRO	1	15.573	(15.573-15.573)		0	284191	0.5005	0	
67 trans-1,3-Dichloropropene	75	16.161	16.167	-0.006	80	33624	0.5005	0.5940	
68 1,1,2-Trichloroethane	83	16.552	16.552	0.000	89	17064	0.5005	0.5025	
69 Tetrachloroethene	166	16.648	16.648	0.000	85	36231	0.5005	0.4883	
70 2-Hexanone	43	17.001	16.996	0.005	90	39937	0.5005	0.6687	
71 Chlorodibromomethane	129	17.333	17.338	-0.005	90	37256	0.5005	0.4702	
72 Ethylene Dibromide	107	17.616	17.622	-0.006	96	33608	0.5005	0.4939	
* 73 Chlorobenzene-d5	117	18.526	18.526	0.000	81	1460791	10.0	10.0	
74 Chlorobenzene	112	18.585	18.590	-0.005	50	54417	0.5005	0.5119	
75 Ethylbenzene	91	18.729	18.729	0.000	94	81221	0.5005	0.4970	
76 n-Nonane	57	18.825	18.825	0.000	81	33184	0.5005	0.4924	
77 m-Xylene & p-Xylene	106	18.981	18.986	-0.005	98	67673	1.00	1.00	
78 o-Xylene	106	19.794	19.794	0.000	76	33214	0.5005	0.4970	
79 Styrene	104	19.836	19.842	-0.006	95	51527	0.5005	0.4921	
S 80 Xylenes, Total	106				0		1.50	1.50	
81 Bromoform	173	20.248	20.248	0.000	96	39800	0.5005	0.4688	
82 Isopropylbenzene	105	20.420	20.425	-0.005	94	97764	0.5005	0.4949	
* 83 4-Bromofluorobenzene	95	20.778	20.783	-0.005	98	1026715	10.0	10.0	
85 1,1,2,2-Tetrachloroethane	83	21.046	21.045	0.001	89	46042	0.5005	0.5110	
86 N-Propylbenzene	91	21.104	21.104	0.000	98	114083	0.5005	0.5022	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
87 1,2,3-Trichloropropane	75	21.142	21.142	0.000	91	36755	0.5005	0.5143	
88 n-Decane	57	21.243	21.243	0.000	84	42807	0.5005	0.4903	
89 4-Ethyltoluene	105	21.281	21.281	0.000	95	98692	0.5005	0.4996	
90 2-Chlorotoluene	91	21.302	21.302	0.000	90	79581	0.5005	0.5056	
91 1,3,5-Trimethylbenzene	105	21.377	21.383	-0.006	91	82569	0.5005	0.4943	
92 Alpha Methyl Styrene	118	21.736	21.736	0.000	88	41006	0.5005	0.4757	
93 tert-Butylbenzene	119	21.853	21.853	0.000	89	82092	0.5005	0.4964	
94 1,2,4-Trimethylbenzene	105	21.944	21.944	0.000	95	83315	0.5005	0.4972	
95 sec-Butylbenzene	105	22.164	22.169	-0.005	97	118195	0.5005	0.4923	
96 4-Isopropyltoluene	119	22.362	22.362	0.000	80	104644	0.5005	0.4935	
97 1,3-Dichlorobenzene	146	22.410	22.410	0.000	98	64008	0.5005	0.5119	
98 1,4-Dichlorobenzene	146	22.549	22.549	0.000	96	65047	0.5005	0.5191	
99 Benzyl chloride	91	22.752	22.752	0.000	99	67572	0.5005	0.4792	
101 n-Butylbenzene	91	22.955	22.955	0.000	96	88983	0.5005	0.5096	
100 Undecane	57	22.950	22.955	-0.005	72	44504	0.5005	0.4847	
102 1,2-Dichlorobenzene	146	23.111	23.110	0.000	98	60766	0.5005	0.5120	
103 Dodecane	57	24.614	24.619	-0.005	92	31135	0.5005	0.4096	
104 1,2,4-Trichlorobenzene	180	25.764	25.764	0.000	91	51930	0.5005	0.4997	
105 Hexachlorobutadiene	225	25.957	25.951	0.006	92	51510	0.5005	0.4837	
106 Naphthalene	128	26.304	26.304	0.000	98	108312	0.5005	0.5468	
107 1,2,3-Trichlorobenzene	180	26.818	26.812	0.006	91	45750	0.5005	0.5392	

QC Flag Legend

Processing Flags

NC - Not Calibrated

ND - Not Detected or Marked ND

Reagents:

ATTO15CAL2w_00174	Amount Added: 200.00	Units: mL	
ATTO15GIS_00009	Amount Added: 20.00	Units: mL	Run Reagent

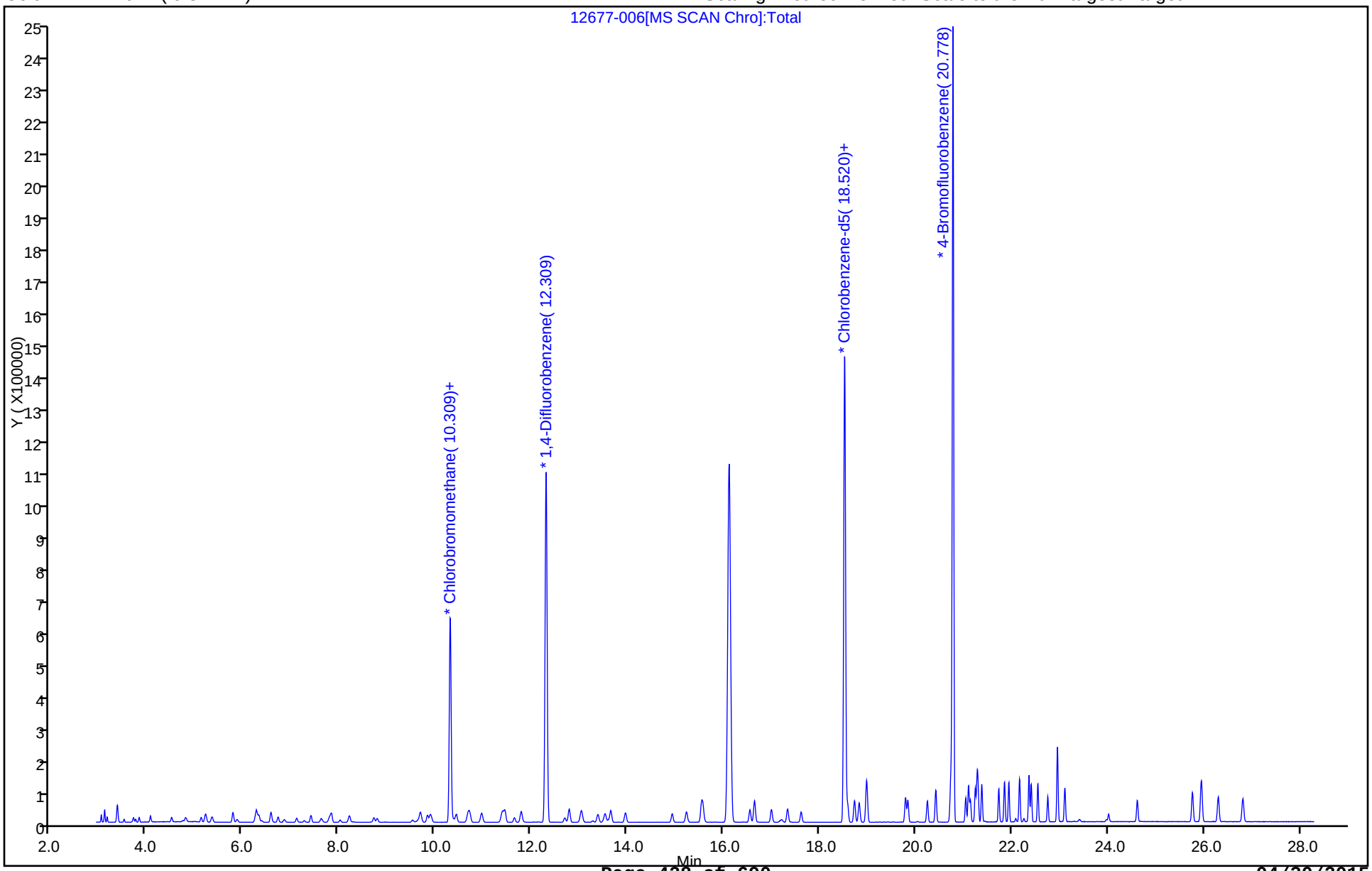
Report Date: 23-Mar-2015 12:01:43 Chrom Revision: 2.2 13-Mar-2015 11:20:44

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHX.i\20150319-12677.b\12677-006.D

Injection Date:	19-Mar-2015 20:12:30	Instrument ID:	CHX.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_CHX.i.m	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\CHX.i\20150319-12677.b\12677-007.D
Lims ID: ic
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 19-Mar-2015 21:01:30 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0012677-007
Misc. Info.: ic-04
Operator ID: pad Instrument ID: CHX.i
Sublist: chrom-TO15_LLNJ_TO3_CHX.i.m*sub3

Method: \\BTV-LIMS1\ChromData\CHX.i\20150319-12677.b\TO15_LLNJ_TO3_CHX.i.m.m
Limit Group: AI_TO15_ICAL
Last Update: 23-Mar-2015 12:01:45 Calib Date: 20-Mar-2015 00:18:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHX.i\20150319-12677.b\12677-011.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK014

First Level Reviewer: desjardinsb Date: 20-Mar-2015 09:19:26

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	3.044	3.049	-0.005	98	64413	4.99	5.02	
2 Dichlorodifluoromethane	85	3.113	3.119	-0.006	88	306424	4.99	5.08	
3 Chlorodifluoromethane	51	3.161	3.167	-0.006	76	148709	4.99	5.08	
4 1,2-Dichloro-1,1,2,2-tetra	85	3.375	3.381	-0.006	90	301094	4.99	5.11	
5 Chloromethane	50	3.520	3.520	0.000	89	80491	4.99	5.02	
6 Butane	43	3.712	3.718	-0.006	98	122644	4.99	4.99	
7 Vinyl chloride	62	3.761	3.766	-0.005	82	94889	4.99	4.96	
8 Butadiene	54	3.830	3.835	-0.005	94	62874	4.99	4.94	
9 Bromomethane	94	4.510	4.515	-0.005	99	86278	4.99	5.04	
10 Chloroethane	64	4.740	4.745	-0.005	94	38847	4.99	4.99	
11 2-Methylbutane	43	4.798	4.804	-0.006	89	69619	4.99	4.77	
12 Vinyl bromide	106	5.125	5.130	-0.005	97	131972	4.99	5.18	
13 Trichlorofluoromethane	101	5.216	5.221	-0.005	84	331765	4.99	5.10	
14 Pentane	43	5.349	5.355	-0.006	95	150007	4.99	5.07	
15 Ethanol	45	5.788	5.793	-0.005	98	82962	10.0	10.1	
16 Ethyl ether	59	5.863	5.868	-0.005	79	70347	4.99	5.02	
17 Acrolein	56	6.270	6.275	-0.005	40	33061	4.99	5.12	
18 1,1,2-Trichloro-1,2,2-trif	101	6.275	6.280	-0.005	95	253943	4.99	5.08	
20 1,1-Dichloroethene	96	6.334	6.334	0.000	86	118793	4.99	5.04	
21 Acetone	43	6.575	6.580	-0.005	88	147834	4.99	5.58	
22 Carbon disulfide	76	6.730	6.735	-0.005	98	302373	4.99	5.06	
23 Isopropyl alcohol	45	6.847	6.853	-0.006	99	128353	4.99	5.16	
24 3-Chloro-1-propene	41	7.115	7.120	-0.005	87	108238	4.99	5.09	
25 Acetonitrile	41	7.270	7.275	-0.005	98	61179	4.99	5.22	
26 Methylene Chloride	49	7.409	7.414	-0.005	80	107212	4.99	4.90	
28 2-Methyl-2-propanol	59	7.618	7.623	-0.005	98	207512	4.99	5.11	
29 Methyl tert-butyl ether	73	7.800	7.800	0.000	95	339352	4.99	5.09	
30 trans-1,2-Dichloroethene	61	7.842	7.848	-0.006	83	157037	4.99	5.09	
31 Acrylonitrile	53	8.019	8.024	-0.005	92	70620	4.99	4.99	
32 Hexane	57	8.212	8.217	-0.005	89	157574	4.99	4.86	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
33 1,1-Dichloroethane	63	8.725	8.730	-0.005	94	206393	4.99	5.07	
34 Vinyl acetate	43	8.789	8.795	-0.006	99	247928	4.99	5.08	
35 cis-1,2-Dichloroethene	96	9.838	9.843	-0.005	86	149262	4.99	5.03	
36 2-Butanone (MEK)	72	9.886	9.891	-0.005	100	66035	4.99	4.66	
37 Ethyl acetate	88	9.913	9.918	-0.005	76	11099	4.99	5.00	
S 38 1,2-Dichloroethene, Total	61				0		9.99	10.1	
39 Tetrahydrofuran	42	10.303	10.309	-0.006	57	112389	4.99	5.07	
* 40 Chlorobromomethane	128	10.314	10.319	-0.005	75	288976	10.0	10.0	
41 Chloroform	83	10.442	10.448	-0.006	93	281981	4.99	5.03	
42 Cyclohexane	84	10.683	10.688	-0.005	84	200720	4.99	5.04	
43 1,1,1-Trichloroethane	97	10.721	10.726	-0.005	91	303973	4.99	5.06	
44 Carbon tetrachloride	117	10.967	10.972	-0.005	88	330724	4.99	5.02	
45 Isooctane	57	11.400	11.400	0.000	99	673818	4.99	5.09	
46 Benzene	78	11.453	11.453	0.000	93	463438	4.99	5.06	
47 1,2-Dichloroethane	62	11.651	11.651	0.000	91	173448	4.99	5.04	
48 n-Heptane	43	11.791	11.796	-0.005	87	217546	4.99	4.98	
* 50 1,4-Difluorobenzene	114	12.309	12.315	-0.006	92	1564814	10.0	10.0	
51 n-Butanol	56	12.689	12.689	0.000	82	78818	4.99	4.95	
52 Trichloroethene	95	12.791	12.796	-0.005	91	215767	4.99	4.94	
53 1,2-Dichloropropane	63	13.385	13.390	-0.005	92	162834	4.99	4.97	
54 Methyl methacrylate	69	13.540	13.540	0.000	81	166112	4.99	4.94	
55 1,4-Dioxane	88	13.604	13.604	0.000	74	81968	4.99	5.07	
56 Dibromomethane	174	13.658	13.663	-0.005	90	246818	4.99	4.91	
57 Dichlorobromomethane	83	13.957	13.962	-0.005	95	336704	4.99	5.05	
58 cis-1,3-Dichloropropene	75	14.931	14.936	-0.005	84	263196	4.99	5.03	
A 59 Total Hydrocarbons	1	15.027	(3.012-27.043)		0	102740794	NC	NC	
A 60 TVOC as Toluene	1	15.027	(3.012-27.043)		0	102752994	4.99	1299.6	
61 4-Methyl-2-pentanone (MIBK	43	15.225	15.225	0.000	94	289883	4.99	4.87	
A 63 Toluene Range	1		(15.536-15.556)				ND	ND	
62 Toluene	92	15.541	15.546	-0.005	93	367644	4.99	5.01	
66 n-Octane	43	15.573	15.573	0.000	86	316120	4.99	5.00	
A 64 C8 Range	1		(15.563-15.583)				ND	ND	
A 65 GRO	1	15.573	(15.573-15.573)		0	2747718	4.99	0	
67 trans-1,3-Dichloropropene	75	16.161	16.167	-0.006	92	277373	4.99	4.93	
68 1,1,2-Trichloroethane	83	16.552	16.552	0.000	91	169837	4.99	5.03	
69 Tetrachloroethene	166	16.648	16.648	0.000	84	367280	4.99	4.98	
70 2-Hexanone	43	16.996	16.996	0.000	93	277543	4.99	4.68	
71 Chlorodibromomethane	129	17.338	17.338	0.000	96	400386	4.99	5.09	
72 Ethylene Dibromide	107	17.622	17.622	0.000	98	341309	4.99	5.05	
* 73 Chlorobenzene-d5	117	18.526	18.526	0.000	80	1451064	10.0	10.0	
74 Chlorobenzene	112	18.585	18.590	-0.005	96	528658	4.99	5.01	
75 Ethylbenzene	91	18.729	18.729	0.000	95	815571	4.99	5.02	
76 n-Nonane	57	18.825	18.825	0.000	84	334323	4.99	4.99	
77 m-Xylene & p-Xylene	106	18.981	18.986	-0.005	99	681261	9.99	10.2	
78 o-Xylene	106	19.794	19.794	0.000	95	333229	4.99	5.02	
79 Styrene	104	19.842	19.842	0.000	97	520646	4.99	5.01	
S 80 Xylenes, Total	106				0		15.0	15.2	
81 Bromoform	173	20.248	20.248	0.000	99	439648	4.99	5.21	
82 Isopropylbenzene	105	20.420	20.425	-0.005	95	990941	4.99	5.05	
* 83 4-Bromofluorobenzene	95	20.778	20.783	-0.005	98	1016350	10.0	10.0	
85 1,1,2,2-Tetrachloroethane	83	21.046	21.045	0.001	90	449977	4.99	5.03	
86 N-Propylbenzene	91	21.104	21.104	0.000	100	1128825	4.99	5.00	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
87 1,2,3-Trichloropropane	75	21.142	21.142	0.000	86	350760	4.99	4.94	
88 n-Decane	57	21.243	21.243	0.000	84	430380	4.99	4.96	
89 4-Ethyltoluene	105	21.281	21.281	0.000	97	992941	4.99	5.06	
90 2-Chlorotoluene	91	21.302	21.302	0.000	96	783148	4.99	5.01	
91 1,3,5-Trimethylbenzene	105	21.383	21.383	0.000	85	833868	4.99	5.03	
92 Alpha Methyl Styrene	118	21.736	21.736	0.000	89	426843	4.99	4.98	
93 tert-Butylbenzene	119	21.853	21.853	0.000	92	828798	4.99	5.05	
94 1,2,4-Trimethylbenzene	105	21.944	21.944	0.000	96	834236	4.99	5.01	
95 sec-Butylbenzene	105	22.164	22.169	-0.005	99	1210737	4.99	5.08	
96 4-Isopropyltoluene	119	22.362	22.362	0.000	88	1061455	4.99	5.04	
97 1,3-Dichlorobenzene	146	22.410	22.410	0.000	97	608499	4.99	4.90	
98 1,4-Dichlorobenzene	146	22.549	22.549	0.000	96	600161	4.99	4.82	
99 Benzyl chloride	91	22.752	22.752	0.000	100	687470	4.99	4.91	
101 n-Butylbenzene	91	22.955	22.955	0.000	96	873405	4.99	5.04	
100 Undecane	57	22.950	22.955	-0.005	72	444257	4.99	4.87	
102 1,2-Dichlorobenzene	146	23.110	23.110	0.000	98	579014	4.99	4.91	
103 Dodecane	57	24.614	24.619	-0.005	93	296931	4.99	3.93	
104 1,2,4-Trichlorobenzene	180	25.764	25.764	0.000	93	410962	4.99	3.98	
105 Hexachlorobutadiene	225	25.951	25.951	0.000	95	510337	4.99	4.82	
106 Naphthalene	128	26.304	26.304	0.000	99	683561	4.99	3.47	
107 1,2,3-Trichlorobenzene	180	26.818	26.812	0.006	93	372560	4.99	4.42	

QC Flag Legend

Processing Flags

NC - Not Calibrated

ND - Not Detected or Marked ND

Reagents:

ATTO15CAL3w_00146	Amount Added: 200.00	Units: mL	
ATTO15GIS_00009	Amount Added: 20.00	Units: mL	Run Reagent

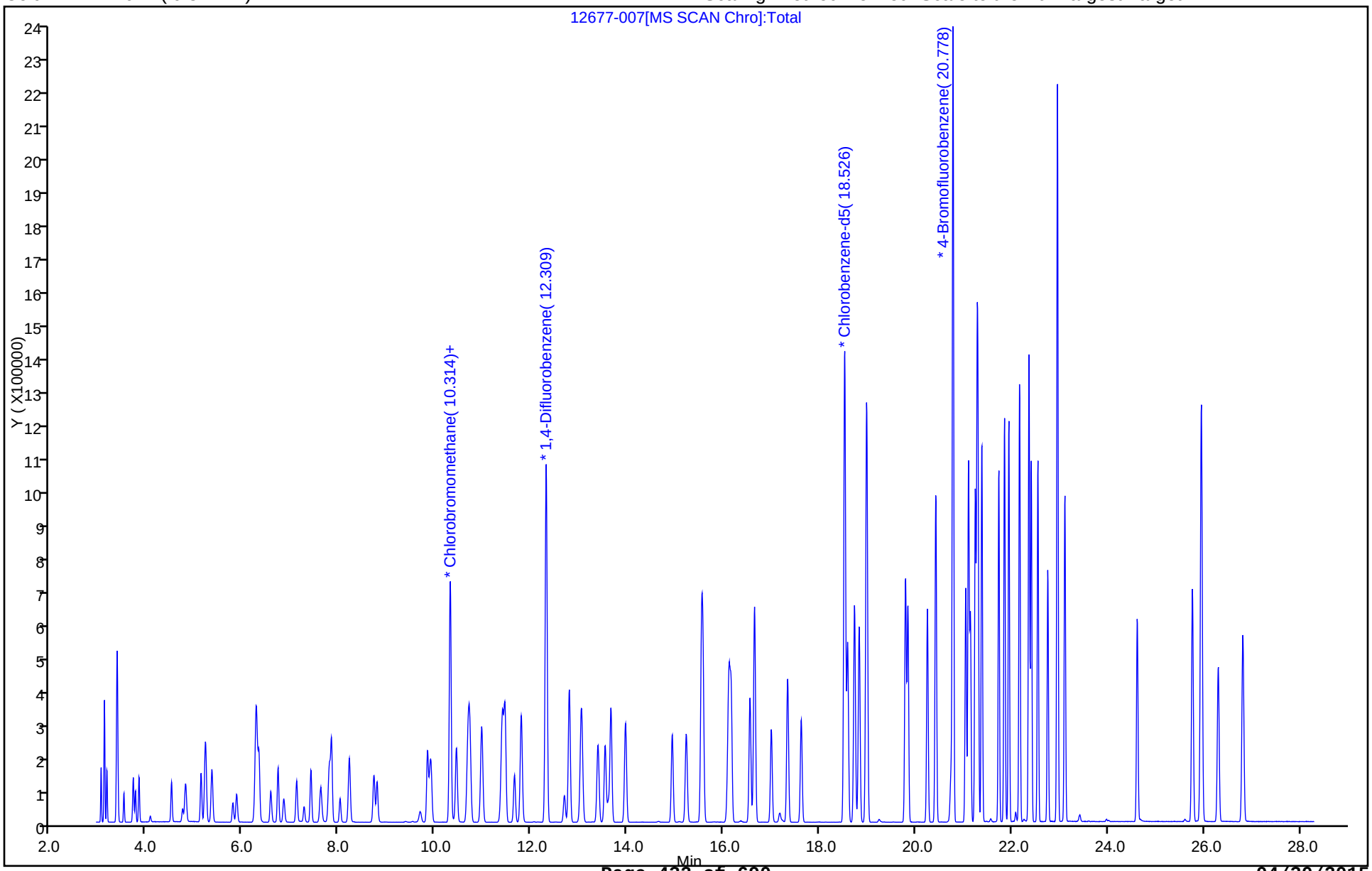
Report Date: 23-Mar-2015 12:01:46 Chrom Revision: 2.2 13-Mar-2015 11:20:44

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHX.i\20150319-12677.b\12677-007.D

Injection Date:	19-Mar-2015 21:01:30	Instrument ID:	CHX.i	Operator ID:	pad
Lims ID:	ic			Worklist Smp#:	7
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	TO15_LLNJ_TO3_CHX.i.m	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\CHX.i\20150319-12677.b\12677-008.D
Lims ID: icis
Client ID:
Sample Type: ICIS Calib Level: 5
Inject. Date: 19-Mar-2015 21:50:30 ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0012677-008
Misc. Info.: icis-05
Operator ID: pad Instrument ID: CHX.i
Sublist: chrom-TO15_LLNJ_TO3_CHX.i.m*sub3

Method: \\BTV-LIMS1\ChromData\CHX.i\20150319-12677.b\TO15_LLNJ_TO3_CHX.i.m.m
Limit Group: AI_TO15_ICAL
Last Update: 23-Mar-2015 12:01:48 Calib Date: 20-Mar-2015 00:18:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHX.i\20150319-12677.b\12677-011.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK014

First Level Reviewer: desjardinsb Date: 20-Mar-2015 09:20:09

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	3.049	3.049	0.000	98	124174	10.0	9.63	
2 Dichlorodifluoromethane	85	3.119	3.119	0.000	88	612313	10.0	10.1	
3 Chlorodifluoromethane	51	3.167	3.167	0.000	65	295815	10.0	10.1	
4 1,2-Dichloro-1,1,2,2-tetra	85	3.381	3.381	0.000	89	602829	10.0	10.2	
5 Chloromethane	50	3.520	3.520	0.000	88	160675	10.0	9.99	
6 Butane	43	3.718	3.718	0.000	98	246331	10.0	9.98	
7 Vinyl chloride	62	3.766	3.766	0.000	79	196966	10.0	10.3	
8 Butadiene	54	3.835	3.835	0.000	93	130454	10.0	10.2	
9 Bromomethane	94	4.515	4.515	0.000	98	175391	10.0	10.2	
10 Chloroethane	64	4.745	4.745	0.000	96	81588	10.0	10.4	
11 2-Methylbutane	43	4.804	4.804	0.000	90	142988	10.0	9.75	
12 Vinyl bromide	106	5.130	5.130	0.000	91	250562	10.0	9.80	
13 Trichlorofluoromethane	101	5.221	5.221	0.000	87	645028	10.0	9.87	
14 Pentane	43	5.355	5.355	0.000	95	291996	10.0	9.82	
15 Ethanol	45	5.793	5.793	0.000	98	125383	15.0	15.3	
16 Ethyl ether	59	5.868	5.868	0.000	80	142035	10.0	10.1	
17 Acrolein	56	6.275	6.275	0.000	41	67448	10.0	10.4	
18 1,1,2-Trichloro-1,2,2-trif	101	6.280	6.280	0.000	94	509040	10.0	10.1	
20 1,1-Dichloroethene	96	6.334	6.334	0.000	87	238059	10.0	10.1	
21 Acetone	43	6.580	6.580	0.000	89	265505	10.0	9.98	
22 Carbon disulfide	76	6.735	6.735	0.000	98	605729	10.0	10.1	
23 Isopropyl alcohol	45	6.853	6.853	0.000	99	292201	10.0	11.7	
24 3-Chloro-1-propene	41	7.120	7.120	0.000	88	196482	10.0	9.20	
25 Acetonitrile	41	7.275	7.275	0.000	99	125370	10.0	10.6	
26 Methylene Chloride	49	7.414	7.414	0.000	81	209413	10.0	9.53	
28 2-Methyl-2-propanol	59	7.623	7.623	0.000	97	460133	10.0	11.3	
29 Methyl tert-butyl ether	73	7.800	7.800	0.000	96	679726	10.0	10.2	
30 trans-1,2-Dichloroethene	61	7.848	7.848	0.000	83	314701	10.0	10.2	
31 Acrylonitrile	53	8.024	8.024	0.000	95	143269	10.0	10.1	
32 Hexane	57	8.217	8.217	0.000	88	315507	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
33 1,1-Dichloroethane	63	8.730	8.730	0.000	94	411711	10.0	10.1	
34 Vinyl acetate	43	8.795	8.795	0.000	99	499705	10.0	10.2	
35 cis-1,2-Dichloroethene	96	9.843	9.843	0.000	86	300533	10.0	10.1	
36 2-Butanone (MEK)	72	9.891	9.891	0.000	100	133778	10.0	9.40	
37 Ethyl acetate	88	9.918	9.918	0.000	76	22839	10.0	10.2	
S 38 1,2-Dichloroethene, Total	61				0		20.0	20.2	
39 Tetrahydrofuran	42	10.309	10.309	0.000	83	230031	10.0	10.3	
* 40 Chlorobromomethane	128	10.319	10.319	0.000	75	290160	10.0	10.0	
41 Chloroform	83	10.448	10.448	0.000	93	564888	10.0	10.0	
42 Cyclohexane	84	10.688	10.688	0.000	84	402380	10.0	10.0	
43 1,1,1-Trichloroethane	97	10.726	10.726	0.000	91	607423	10.0	10.0	
44 Carbon tetrachloride	117	10.972	10.972	0.000	89	680125	10.0	10.3	
45 Isooctane	57	11.400	11.400	0.000	99	1337033	10.0	10.0	
46 Benzene	78	11.453	11.453	0.000	94	923455	10.0	10.0	
47 1,2-Dichloroethane	62	11.651	11.651	0.000	92	350224	10.0	10.1	
48 n-Heptane	43	11.796	11.796	0.000	87	430615	10.0	9.78	
* 50 1,4-Difluorobenzene	114	12.315	12.315	0.000	92	1575648	10.0	10.0	
51 n-Butanol	56	12.689	12.689	0.000	82	182641	10.0	11.4	
52 Trichloroethene	95	12.796	12.796	0.000	91	438771	10.0	9.98	
53 1,2-Dichloropropane	63	13.390	13.390	0.000	93	330802	10.0	10.0	
54 Methyl methacrylate	69	13.540	13.540	0.000	81	336602	10.0	9.95	
55 1,4-Dioxane	88	13.604	13.604	0.000	81	192476	10.0	11.8	
56 Dibromomethane	174	13.663	13.663	0.000	90	505441	10.0	10.0	
57 Dichlorobromomethane	83	13.962	13.962	0.000	95	684614	10.0	10.2	
58 cis-1,3-Dichloropropene	75	14.936	14.936	0.000	84	538565	10.0	10.2	
A 59 Total Hydrocarbons	1	15.027	(3.012-27.043)		0	212118433	NC	NC	
A 60 TVOC as Toluene	1	15.027	(3.012-27.043)		0	212118433	10.0	2664.4	
61 4-Methyl-2-pentanone (MIBK	43	15.225	15.225	0.000	93	587778	10.0	9.80	
A 63 Toluene Range	1		(15.536-15.556)				ND	ND	
62 Toluene	92	15.546	15.546	0.000	93	742044	10.0	10.0	
66 n-Octane	43	15.573	15.573	0.000	86	630416	10.0	9.90	
A 64 C8 Range	1		(15.563-15.583)				ND	ND	
A 65 GRO	1	15.573	(15.573-15.573)		0	5523672	10.0	0	
67 trans-1,3-Dichloropropene	75	16.167	16.167	0.000	92	552669	10.0	9.75	
68 1,1,2-Trichloroethane	83	16.552	16.552	0.000	91	346455	10.0	10.2	
69 Tetrachloroethene	166	16.648	16.648	0.000	84	751117	10.0	10.1	
70 2-Hexanone	43	16.996	16.996	0.000	93	574782	10.0	9.60	
71 Chlorodibromomethane	129	17.338	17.338	0.000	96	817624	10.0	10.3	
72 Ethylene Dibromide	107	17.622	17.622	0.000	99	695924	10.0	10.2	
* 73 Chlorobenzene-d5	117	18.526	18.526	0.000	80	1464918	10.0	10.0	
74 Chlorobenzene	112	18.590	18.590	0.000	97	1078278	10.0	10.1	
75 Ethylbenzene	91	18.729	18.729	0.000	95	1654595	10.0	10.1	
76 n-Nonane	57	18.825	18.825	0.000	84	678561	10.0	10.0	
77 m-Xylene & p-Xylene	106	18.986	18.986	0.000	99	1378942	20.0	20.4	
78 o-Xylene	106	19.794	19.794	0.000	95	686273	10.0	10.2	
79 Styrene	104	19.842	19.842	0.000	97	1100734	10.0	10.5	
S 80 Xylenes, Total	106				0		30.0	30.6	
81 Bromoform	173	20.248	20.248	0.000	99	889103	10.0	10.4	
82 Isopropylbenzene	105	20.425	20.425	0.000	94	2013481	10.0	10.2	
* 83 4-Bromofluorobenzene	95	20.783	20.783	0.000	98	1039587	10.0	10.0	
85 1,1,2,2-Tetrachloroethane	83	21.045	21.045	0.000	91	917297	10.0	10.2	
86 N-Propylbenzene	91	21.104	21.104	0.000	100	2333292	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
87 1,2,3-Trichloropropane	75	21.142	21.142	0.000	86	721738	10.0	10.1	
88 n-Decane	57	21.243	21.243	0.000	84	897187	10.0	10.2	
89 4-Ethyltoluene	105	21.281	21.281	0.000	97	2051099	10.0	10.4	
90 2-Chlorotoluene	91	21.302	21.302	0.000	96	1613928	10.0	10.2	
91 1,3,5-Trimethylbenzene	105	21.383	21.383	0.000	93	1729549	10.0	10.3	
92 Alpha Methyl Styrene	118	21.736	21.736	0.000	89	914367	10.0	10.6	
93 tert-Butylbenzene	119	21.853	21.853	0.000	92	1702139	10.0	10.3	
94 1,2,4-Trimethylbenzene	105	21.944	21.944	0.000	96	1746182	10.0	10.4	
95 sec-Butylbenzene	105	22.169	22.169	0.000	99	2484701	10.0	10.3	
96 4-Isopropyltoluene	119	22.362	22.362	0.000	92	2217218	10.0	10.4	
97 1,3-Dichlorobenzene	146	22.410	22.410	0.000	97	1314210	10.0	10.5	
98 1,4-Dichlorobenzene	146	22.549	22.549	0.000	96	1322275	10.0	10.5	
99 Benzyl chloride	91	22.752	22.752	0.000	100	1450451	10.0	10.3	
101 n-Butylbenzene	91	22.955	22.955	0.000	96	1866606	10.0	10.7	
100 Undecane	57	22.955	22.955	0.000	70	986126	10.0	10.7	
102 1,2-Dichlorobenzene	146	23.110	23.110	0.000	98	1240887	10.0	10.4	
103 Dodecane	57	24.619	24.619	0.000	92	881851	10.0	11.6	
104 1,2,4-Trichlorobenzene	180	25.764	25.764	0.000	92	1142888	10.0	11.0	
105 Hexachlorobutadiene	225	25.951	25.951	0.000	95	1122447	10.0	10.5	
106 Naphthalene	128	26.304	26.304	0.000	99	2225745	10.0	11.2	
107 1,2,3-Trichlorobenzene	180	26.812	26.812	0.000	94	1029750	10.0	12.1	

QC Flag Legend

Processing Flags

NC - Not Calibrated

ND - Not Detected or Marked ND

Reagents:

ATTO15CAL4w_00449	Amount Added: 200.00	Units: mL	
ATTO15GIS_00009	Amount Added: 20.00	Units: mL	Run Reagent

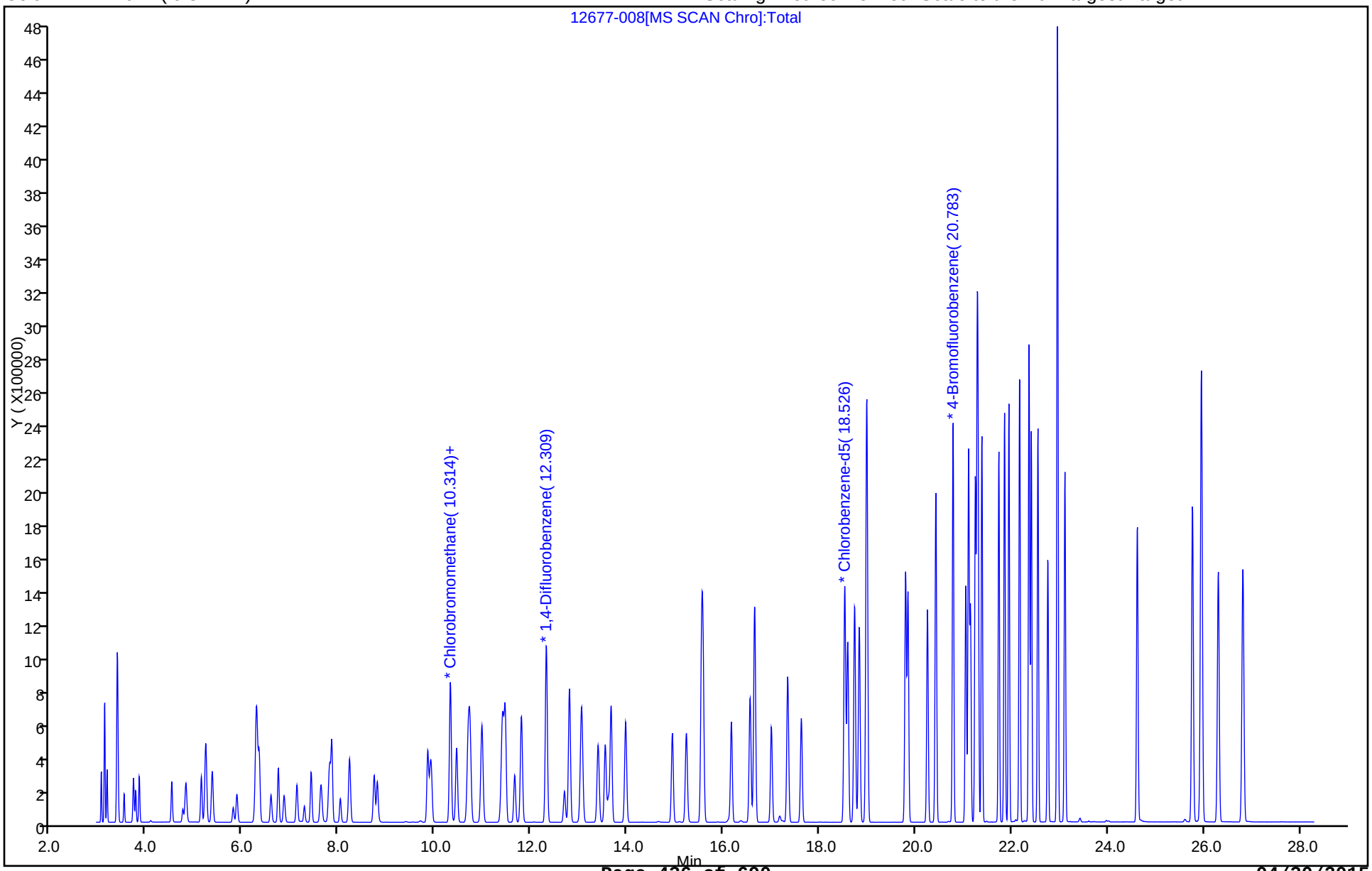
Report Date: 23-Mar-2015 12:01:49 Chrom Revision: 2.2 13-Mar-2015 11:20:44

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHX.i\20150319-12677.b\12677-008.D

Injection Date:	19-Mar-2015 21:50:30	Instrument ID:	CHX.i	Operator ID:	pad
Lims ID:	icis			Worklist Smp#:	8
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	TO15_LLNJ_TO3_CHX.i.m	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\CHX.i\20150319-12677.b\12677-009.D
Lims ID: ic
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 19-Mar-2015 22:39:30 ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0012677-009
Misc. Info.: ic-06
Operator ID: pad Instrument ID: CHX.i
Sublist: chrom-TO15_LLNJ_TO3_CHX.i.m*sub3

Method: \\BTV-LIMS1\ChromData\CHX.i\20150319-12677.b\TO15_LLNJ_TO3_CHX.i.m.m
Limit Group: AI_TO15_ICAL
Last Update: 23-Mar-2015 12:01:52 Calib Date: 20-Mar-2015 00:18:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHX.i\20150319-12677.b\12677-011.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK014

First Level Reviewer: desjardinsb Date: 20-Mar-2015 09:20:50

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	3.038	3.049	-0.011	98	186724	15.0	14.2	
2 Dichlorodifluoromethane	85	3.108	3.119	-0.011	88	923597	15.0	15.0	
3 Chlorodifluoromethane	51	3.161	3.167	-0.006	75	444459	15.0	14.9	
4 1,2-Dichloro-1,1,2,2-tetra	85	3.370	3.381	-0.011	90	908233	15.0	15.1	
5 Chloromethane	50	3.514	3.520	-0.006	88	243444	15.0	14.9	
6 Butane	43	3.707	3.718	-0.011	97	370659	15.0	14.7	
7 Vinyl chloride	62	3.755	3.766	-0.011	82	284238	15.0	14.5	
8 Butadiene	54	3.830	3.835	-0.005	93	186040	15.0	14.3	
9 Bromomethane	94	4.504	4.515	-0.011	99	258702	15.0	14.8	
10 Chloroethane	64	4.740	4.745	-0.005	95	115601	15.0	14.5	
11 2-Methylbutane	43	4.798	4.804	-0.006	87	202408	15.0	13.6	
12 Vinyl bromide	106	5.119	5.130	-0.011	91	404450	15.0	15.5	
13 Trichlorofluoromethane	101	5.210	5.221	-0.011	85	1008496	15.0	15.2	
14 Pentane	43	5.349	5.355	-0.006	96	451118	15.0	14.9	
15 Ethanol	45	5.788	5.793	-0.005	99	169937	20.0	20.3	
16 Ethyl ether	59	5.863	5.868	-0.005	81	216247	15.0	15.1	
17 Acrolein	56	6.270	6.275	-0.005	40	103040	15.0	15.6	
18 1,1,2-Trichloro-1,2,2-trif	101	6.270	6.280	-0.010	95	773615	15.0	15.1	
20 1,1-Dichloroethene	96	6.328	6.334	-0.006	87	364270	15.0	15.1	
21 Acetone	43	6.575	6.580	-0.006	80	427501	15.0	15.8	
22 Carbon disulfide	76	6.724	6.735	-0.011	98	922621	15.0	15.1	
23 Isopropyl alcohol	45	6.847	6.853	-0.006	99	373168	15.0	14.7	
24 3-Chloro-1-propene	41	7.115	7.120	-0.005	88	297973	15.0	13.7	
25 Acetonitrile	41	7.270	7.275	-0.005	98	180321	15.0	15.0	
26 Methylene Chloride	49	7.409	7.414	-0.005	81	316179	15.0	14.1	
28 2-Methyl-2-propanol	59	7.618	7.623	-0.005	99	613468	15.0	14.8	
29 Methyl tert-butyl ether	73	7.794	7.800	-0.006	96	1035559	15.0	15.2	
30 trans-1,2-Dichloroethene	61	7.842	7.848	-0.006	83	477505	15.0	15.1	
31 Acrylonitrile	53	8.019	8.024	-0.005	95	216890	15.0	15.0	
32 Hexane	57	8.212	8.217	-0.005	89	475775	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
33 1,1-Dichloroethane	63	8.725	8.730	-0.005	94	631393	15.0	15.2	
34 Vinyl acetate	43	8.789	8.795	-0.006	99	759041	15.0	15.2	
35 cis-1,2-Dichloroethene	96	9.843	9.843	0.000	86	458443	15.0	15.1	
36 2-Butanone (MEK)	72	9.886	9.891	-0.005	100	200531	15.0	13.8	
37 Ethyl acetate	88	9.918	9.918	0.000	76	34825	15.0	15.4	
S 38 1,2-Dichloroethene, Total	61				0		30.0	30.2	
39 Tetrahydrofuran	42	10.303	10.309	-0.006	86	345691	15.0	15.3	
* 40 Chlorobromomethane	128	10.314	10.319	-0.005	75	295388	10.0	10.0	
41 Chloroform	83	10.442	10.448	-0.006	93	862822	15.0	15.1	
42 Cyclohexane	84	10.683	10.688	-0.005	84	613437	15.0	15.1	
43 1,1,1-Trichloroethane	97	10.721	10.726	-0.005	91	935942	15.0	15.3	
44 Carbon tetrachloride	117	10.967	10.972	-0.005	89	989379	15.0	14.7	
45 Isooctane	57	11.400	11.400	0.000	99	2034127	15.0	15.1	
46 Benzene	78	11.453	11.453	0.000	94	1409701	15.0	15.1	
47 1,2-Dichloroethane	62	11.651	11.651	0.000	92	534668	15.0	15.2	
48 n-Heptane	43	11.790	11.796	-0.006	86	656217	15.0	14.7	
* 50 1,4-Difluorobenzene	114	12.309	12.315	-0.006	92	1596749	10.0	10.0	
51 n-Butanol	56	12.684	12.689	-0.005	83	238324	15.0	14.7	
52 Trichloroethene	95	12.791	12.796	-0.005	91	676921	15.0	15.2	
53 1,2-Dichloropropane	63	13.390	13.390	0.000	93	505747	15.0	15.1	
54 Methyl methacrylate	69	13.540	13.540	0.000	81	519433	15.0	15.2	
55 1,4-Dioxane	88	13.604	13.604	0.000	73	252772	15.0	15.3	
56 Dibromomethane	174	13.658	13.663	-0.005	90	778789	15.0	15.2	
57 Dichlorobromomethane	83	13.962	13.962	0.000	95	1050573	15.0	15.4	
58 cis-1,3-Dichloropropene	75	14.936	14.936	0.000	84	829869	15.0	15.5	
A 59 Total Hydrocarbons	1	15.027	(3.012-27.043)		0	324701626	NC	NC	
A 60 TVOC as Toluene	1	15.027	(3.012-27.043)		0	324701626	15.0	4024.6	
61 4-Methyl-2-pentanone (MIBK	43	15.225	15.225	0.000	93	897510	15.0	14.8	
A 63 Toluene Range	1		(15.536-15.556)				ND	ND	
62 Toluene	92	15.546	15.546	0.000	93	1146575	15.0	15.1	
66 n-Octane	43	15.573	15.573	0.000	85	949660	15.0	14.7	
A 64 C8 Range	1		(15.563-15.583)				ND	ND	
A 65 GRO	1	15.573	(15.573-15.573)		0	8428988	15.0	0	
67 trans-1,3-Dichloropropene	75	16.167	16.167	0.000	92	849098	15.0	14.8	
68 1,1,2-Trichloroethane	83	16.552	16.552	0.000	91	529749	15.0	15.2	
69 Tetrachloroethene	166	16.648	16.648	0.000	84	1159750	15.0	15.2	
70 2-Hexanone	43	16.996	16.996	0.000	93	864103	15.0	14.1	
71 Chlorodibromomethane	129	17.338	17.338	0.000	96	1260098	15.0	15.5	
72 Ethylene Dibromide	107	17.622	17.622	0.000	99	1073294	15.0	15.3	
* 73 Chlorobenzene-d5	117	18.526	18.526	0.000	78	1502390	10.0	10.0	
74 Chlorobenzene	112	18.590	18.590	0.000	97	1656478	15.0	15.2	
75 Ethylbenzene	91	18.729	18.729	0.000	95	2544560	15.0	15.1	
76 n-Nonane	57	18.825	18.825	0.000	84	1032850	15.0	14.9	
77 m-Xylene & p-Xylene	106	18.986	18.986	0.000	99	2126061	30.0	30.6	
78 o-Xylene	106	19.794	19.794	0.000	95	1048906	15.0	15.3	
79 Styrene	104	19.842	19.842	0.000	97	1691111	15.0	15.7	
S 80 Xylenes, Total	106				0		45.0	45.9	
81 Bromoform	173	20.248	20.248	0.000	99	1372115	15.0	15.7	
82 Isopropylbenzene	105	20.425	20.425	0.000	94	3113704	15.0	15.3	
* 83 4-Bromofluorobenzene	95	20.778	20.783	-0.005	98	1061960	10.0	10.0	
85 1,1,2,2-Tetrachloroethane	83	21.045	21.045	0.000	90	1410176	15.0	15.2	
86 N-Propylbenzene	91	21.104	21.104	0.000	100	3584338	15.0	15.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
87 1,2,3-Trichloropropane	75	21.142	21.142	0.000	87	1099412	15.0	15.0	
88 n-Decane	57	21.243	21.243	0.000	84	1363965	15.0	15.2	
89 4-Ethyltoluene	105	21.281	21.281	0.000	97	3142190	15.0	15.5	
90 2-Chlorotoluene	91	21.302	21.302	0.000	94	2481134	15.0	15.3	
91 1,3,5-Trimethylbenzene	105	21.382	21.383	-0.001	93	2660182	15.0	15.5	
92 Alpha Methyl Styrene	118	21.736	21.736	0.000	89	1414098	15.0	15.9	
93 tert-Butylbenzene	119	21.853	21.853	0.000	92	2617308	15.0	15.4	
94 1,2,4-Trimethylbenzene	105	21.944	21.944	0.000	96	2675255	15.0	15.5	
95 sec-Butylbenzene	105	22.169	22.169	0.000	99	3814170	15.0	15.4	
96 4-Isopropyltoluene	119	22.361	22.362	-0.001	92	3391379	15.0	15.6	
97 1,3-Dichlorobenzene	146	22.410	22.410	0.000	97	2027836	15.0	15.8	
98 1,4-Dichlorobenzene	146	22.549	22.549	0.000	96	2046075	15.0	15.9	
99 Benzyl chloride	91	22.752	22.752	0.000	100	2312264	15.0	15.9	
101 n-Butylbenzene	91	22.955	22.955	0.000	96	2827790	15.0	15.7	
100 Undecane	57	22.955	22.955	0.000	70	1480435	15.0	15.7	
102 1,2-Dichlorobenzene	146	23.110	23.110	0.000	98	1915999	15.0	15.7	
103 Dodecane	57	24.619	24.619	0.000	92	1345841	15.0	17.2	
104 1,2,4-Trichlorobenzene	180	25.764	25.764	0.000	92	1779891	15.0	16.7	
105 Hexachlorobutadiene	225	25.951	25.951	0.000	91	1750679	15.0	16.0	
106 Naphthalene	128	26.304	26.304	0.000	99	3490319	15.0	17.1	
107 1,2,3-Trichlorobenzene	180	26.818	26.812	0.006	94	1618016	15.0	18.5	

QC Flag Legend

Processing Flags

NC - Not Calibrated

ND - Not Detected or Marked ND

Reagents:

ATTO15CAL5w_00052	Amount Added: 200.00	Units: mL	
ATTO15GIS_00009	Amount Added: 20.00	Units: mL	Run Reagent

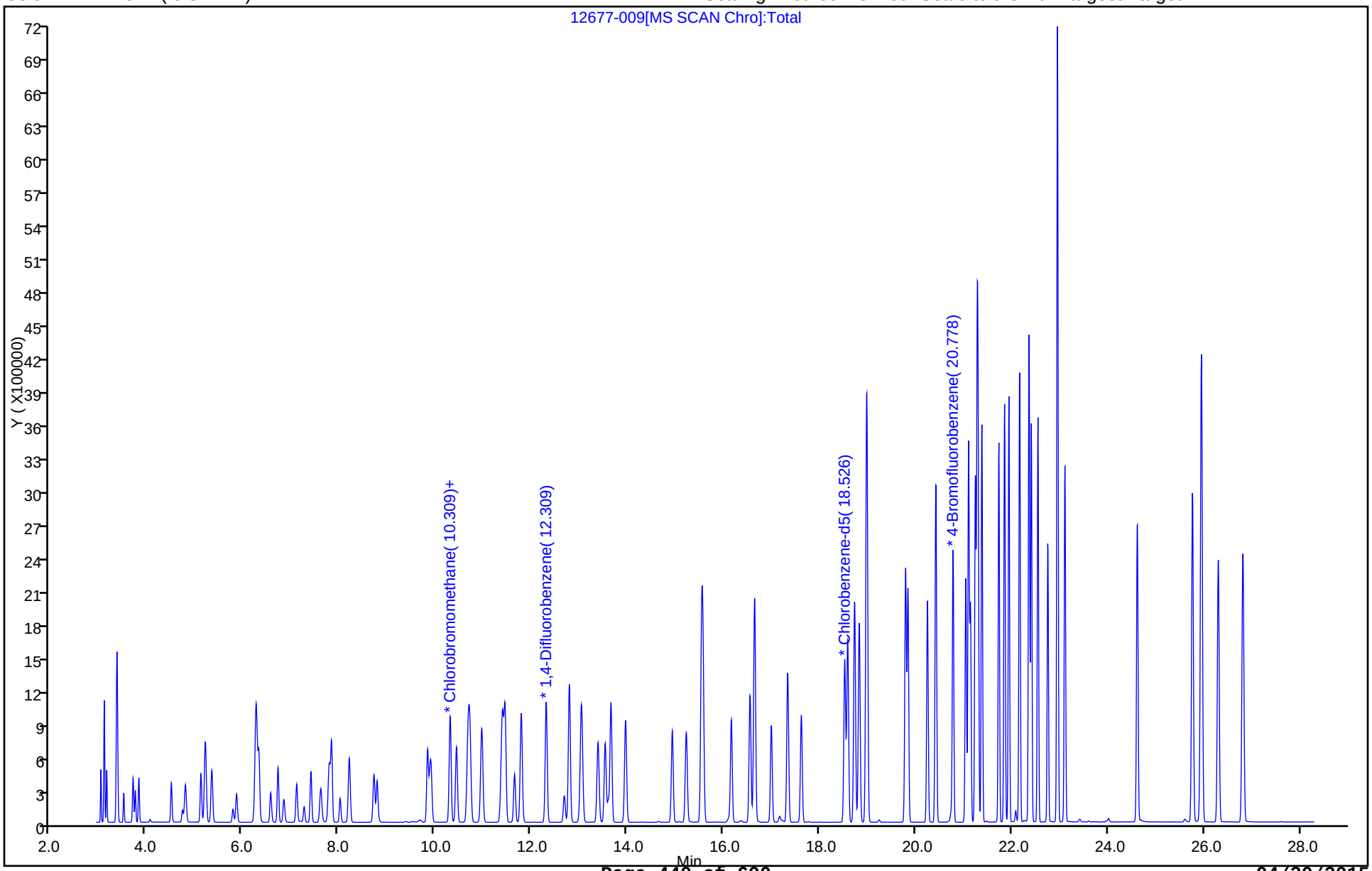
Report Date: 23-Mar-2015 12:01:53 Chrom Revision: 2.2 13-Mar-2015 11:20:44

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHX.i\20150319-12677.b\12677-009.D

Injection Date:	19-Mar-2015 22:39:30	Instrument ID:	CHX.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_CHX.i.m	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\CHX.i\20150319-12677.b\12677-010.D
Lims ID: ic
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 19-Mar-2015 23:28:30 ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0012677-010
Misc. Info.: ic-07
Operator ID: pad Instrument ID: CHX.i
Sublist: chrom-TO15_LLNJ_TO3_CHX.i.m*sub3

Method: \\BTV-LIMS1\ChromData\CHX.i\20150319-12677.b\TO15_LLNJ_TO3_CHX.i.m.m
Limit Group: AI_TO15_ICAL
Last Update: 23-Mar-2015 12:01:56 Calib Date: 20-Mar-2015 00:18:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHX.i\20150319-12677.b\12677-011.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK014

First Level Reviewer: desjardinsb Date: 20-Mar-2015 09:21:44

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	3.044	3.049	-0.005	98	244359	20.0	18.5	
2 Dichlorodifluoromethane	85	3.113	3.119	-0.006	88	1212252	20.0	19.6	
3 Chlorodifluoromethane	51	3.161	3.167	-0.006	75	587433	20.0	19.6	
4 1,2-Dichloro-1,1,2,2-tetra	85	3.375	3.381	-0.006	90	1190635	20.0	19.7	
5 Chloromethane	50	3.520	3.520	0.000	88	320057	20.0	19.5	
6 Butane	43	3.712	3.718	-0.006	98	495230	20.0	19.6	
7 Vinyl chloride	62	3.761	3.766	-0.005	82	396247	20.0	20.2	
8 Butadiene	54	3.835	3.835	0.000	93	255960	20.0	19.6	
9 Bromomethane	94	4.510	4.515	-0.005	99	341830	20.0	19.4	
10 Chloroethane	64	4.745	4.745	0.000	97	161375	20.0	20.2	
11 2-Methylbutane	43	4.804	4.804	0.000	88	280031	20.0	18.7	
12 Vinyl bromide	106	5.125	5.130	-0.005	98	504864	20.0	19.3	
13 Trichlorofluoromethane	101	5.221	5.221	0.000	86	1321263	20.0	19.8	
14 Pentane	43	5.355	5.355	0.000	96	588639	20.0	19.4	
15 Ethanol	45	5.793	5.793	0.000	94	329609	40.0	39.3	
16 Ethyl ether	59	5.868	5.868	0.000	74	282858	20.0	19.7	
17 Acrolein	56	6.275	6.275	0.000	40	128615	20.0	19.4	
18 1,1,2-Trichloro-1,2,2-trif	101	6.280	6.280	0.000	94	1008824	20.0	19.6	
20 1,1-Dichloroethene	96	6.334	6.334	0.000	87	476907	20.0	19.7	
21 Acetone	43	6.580	6.580	0.000	80	505988	20.0	18.6	
22 Carbon disulfide	76	6.730	6.735	-0.005	97	1203879	20.0	19.6	
23 Isopropyl alcohol	45	6.858	6.853	0.005	99	474878	20.0	18.6	
24 3-Chloro-1-propene	41	7.120	7.120	0.000	88	434256	20.0	19.9	
25 Acetonitrile	41	7.275	7.275	0.000	99	230292	20.0	19.1	
26 Methylene Chloride	49	7.414	7.414	0.000	81	411633	20.0	18.3	
28 2-Methyl-2-propanol	59	7.623	7.623	0.000	99	786925	20.0	18.9	
29 Methyl tert-butyl ether	73	7.800	7.800	0.000	95	1356109	20.0	19.8	
30 trans-1,2-Dichloroethene	61	7.848	7.848	0.000	83	622397	20.0	19.6	
31 Acrylonitrile	53	8.024	8.024	0.000	94	281964	20.0	19.4	
32 Hexane	57	8.212	8.217	-0.005	89	622772	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
33 1,1-Dichloroethane	63	8.730	8.730	0.000	94	825430	20.0	19.7	
34 Vinyl acetate	43	8.795	8.795	0.000	99	986788	20.0	19.7	
35 cis-1,2-Dichloroethene	96	9.843	9.843	0.000	88	601879	20.0	19.8	
36 2-Butanone (MEK)	72	9.891	9.891	0.000	100	257630	20.0	17.7	
37 Ethyl acetate	88	9.923	9.918	0.005	76	44621	20.0	19.6	
S 38 1,2-Dichloroethene, Total	61				0		40.0	39.4	
39 Tetrahydrofuran	42	10.309	10.309	0.000	86	442199	20.0	19.5	
* 40 Chlorobromomethane	128	10.319	10.319	0.000	74	296743	10.0	10.0	
41 Chloroform	83	10.442	10.448	-0.006	94	1137434	20.0	19.8	
42 Cyclohexane	84	10.683	10.688	-0.005	84	808115	20.0	19.9	
43 1,1,1-Trichloroethane	97	10.721	10.726	-0.005	93	1231314	20.0	20.1	
44 Carbon tetrachloride	117	10.972	10.972	0.000	89	1374534	20.0	20.5	
45 Isooctane	57	11.400	11.400	0.000	99	2666347	20.0	19.7	
46 Benzene	78	11.459	11.453	0.006	94	1847441	20.0	19.8	
47 1,2-Dichloroethane	62	11.657	11.651	0.006	92	701279	20.0	20.0	
48 n-Heptane	43	11.796	11.796	0.000	85	850334	20.0	19.1	
* 50 1,4-Difluorobenzene	114	12.315	12.315	0.000	92	1596964	10.0	10.0	
51 n-Butanol	56	12.689	12.689	0.000	83	302848	20.0	18.6	
52 Trichloroethene	95	12.796	12.796	0.000	91	885978	20.0	19.9	
53 1,2-Dichloropropane	63	13.390	13.390	0.000	92	665446	20.0	19.9	
54 Methyl methacrylate	69	13.540	13.540	0.000	81	680611	20.0	19.8	
55 1,4-Dioxane	88	13.604	13.604	0.000	74	299144	20.0	18.1	
56 Dibromomethane	174	13.663	13.663	0.000	89	1030670	20.0	20.1	
57 Dichlorobromomethane	83	13.962	13.962	0.000	95	1385983	20.0	20.4	
58 cis-1,3-Dichloropropene	75	14.936	14.936	0.000	84	1086794	20.0	20.3	
A 59 Total Hydrocarbons	1	15.027	(3.012-27.043)		0	411769029	NC	NC	
A 60 TVOC as Toluene	1	15.027	(3.012-27.043)		0	411769029	20.0	5103.1	
61 4-Methyl-2-pentanone (MIBK	43	15.230	15.225	0.005	93	1146722	20.0	18.9	
A 63 Toluene Range	1		(15.536-15.556)				ND	ND	
62 Toluene	92	15.546	15.546	0.000	93	1501373	20.0	20.1	
66 n-Octane	43	15.573	15.573	0.000	86	1235286	20.0	19.1	
A 64 C8 Range	1		(15.563-15.583)				ND	ND	
A 65 GRO	1	15.573	(15.573-15.573)		0	11028857	20.0	0	
67 trans-1,3-Dichloropropene	75	16.167	16.167	0.000	92	1111959	20.0	19.3	
68 1,1,2-Trichloroethane	83	16.557	16.552	0.005	91	697828	20.0	20.3	
69 Tetrachloroethene	166	16.653	16.648	0.005	83	1530093	20.0	20.3	
70 2-Hexanone	43	16.996	16.996	0.000	92	1108921	20.0	18.3	
71 Chlorodibromomethane	129	17.338	17.338	0.000	97	1692324	20.0	21.1	
72 Ethylene Dibromide	107	17.622	17.622	0.000	99	1399923	20.0	20.3	
* 73 Chlorobenzene-d5	117	18.526	18.526	0.000	79	1481920	10.0	10.0	
74 Chlorobenzene	112	18.590	18.590	0.000	97	2165773	20.0	20.1	
75 Ethylbenzene	91	18.729	18.729	0.000	95	3335238	20.0	20.1	
76 n-Nonane	57	18.825	18.825	0.000	83	1351817	20.0	19.8	
77 m-Xylene & p-Xylene	106	18.986	18.986	0.000	99	2773863	40.0	40.5	
78 o-Xylene	106	19.794	19.794	0.000	95	1386147	20.0	20.4	
79 Styrene	104	19.842	19.842	0.000	97	2193731	20.0	20.7	
S 80 Xylenes, Total	106				0		60.0	60.9	
81 Bromoform	173	20.248	20.248	0.000	99	1862021	20.0	21.6	
82 Isopropylbenzene	105	20.425	20.425	0.000	94	4067163	20.0	20.3	
* 83 4-Bromofluorobenzene	95	20.778	20.783	-0.005	98	1041658	10.0	10.0	
85 1,1,2,2-Tetrachloroethane	83	21.045	21.045	0.000	90	1836257	20.0	20.1	
86 N-Propylbenzene	91	21.104	21.104	0.000	100	4667240	20.0	20.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
87 1,2,3-Trichloropropane	75	21.142	21.142	0.000	84	1433629	20.0	19.8	
88 n-Decane	57	21.243	21.243	0.000	84	1766286	20.0	19.9	
89 4-Ethyltoluene	105	21.281	21.281	0.000	97	4071492	20.0	20.3	
90 2-Chlorotoluene	91	21.302	21.302	0.000	94	3225235	20.0	20.2	
91 1,3,5-Trimethylbenzene	105	21.382	21.383	-0.001	85	3451841	20.0	20.4	
92 Alpha Methyl Styrene	118	21.736	21.736	0.000	89	1814622	20.0	20.8	
93 tert-Butylbenzene	119	21.853	21.853	0.000	92	3412729	20.0	20.3	
94 1,2,4-Trimethylbenzene	105	21.944	21.944	0.000	96	3448129	20.0	20.3	
95 sec-Butylbenzene	105	22.169	22.169	0.000	99	4945685	20.0	20.3	
96 4-Isopropyltoluene	119	22.361	22.362	-0.001	92	4397328	20.0	20.4	
97 1,3-Dichlorobenzene	146	22.410	22.410	0.000	97	2546571	20.0	20.1	
98 1,4-Dichlorobenzene	146	22.549	22.549	0.000	97	2538495	20.0	20.0	
99 Benzyl chloride	91	22.752	22.752	0.000	100	2944520	20.0	20.6	
101 n-Butylbenzene	91	22.955	22.955	0.000	96	3563561	20.0	20.1	
100 Undecane	57	22.955	22.955	0.000	68	1801489	20.0	19.3	
102 1,2-Dichlorobenzene	146	23.110	23.110	0.000	98	2432101	20.0	20.2	
103 Dodecane	57	24.614	24.619	-0.005	92	1311440	20.0	17.0	
104 1,2,4-Trichlorobenzene	180	25.764	25.764	0.000	92	1801598	20.0	17.1	
105 Hexachlorobutadiene	225	25.951	25.951	0.000	95	2150110	20.0	19.9	
106 Naphthalene	128	26.304	26.304	0.000	99	3020152	20.0	15.0	
107 1,2,3-Trichlorobenzene	180	26.818	26.812	0.006	94	1587276	20.0	18.4	

QC Flag Legend

Processing Flags

NC - Not Calibrated

ND - Not Detected or Marked ND

Reagents:

ATTO15CAL6w_00104	Amount Added: 200.00	Units: mL	
ATTO15GIS_00009	Amount Added: 20.00	Units: mL	Run Reagent

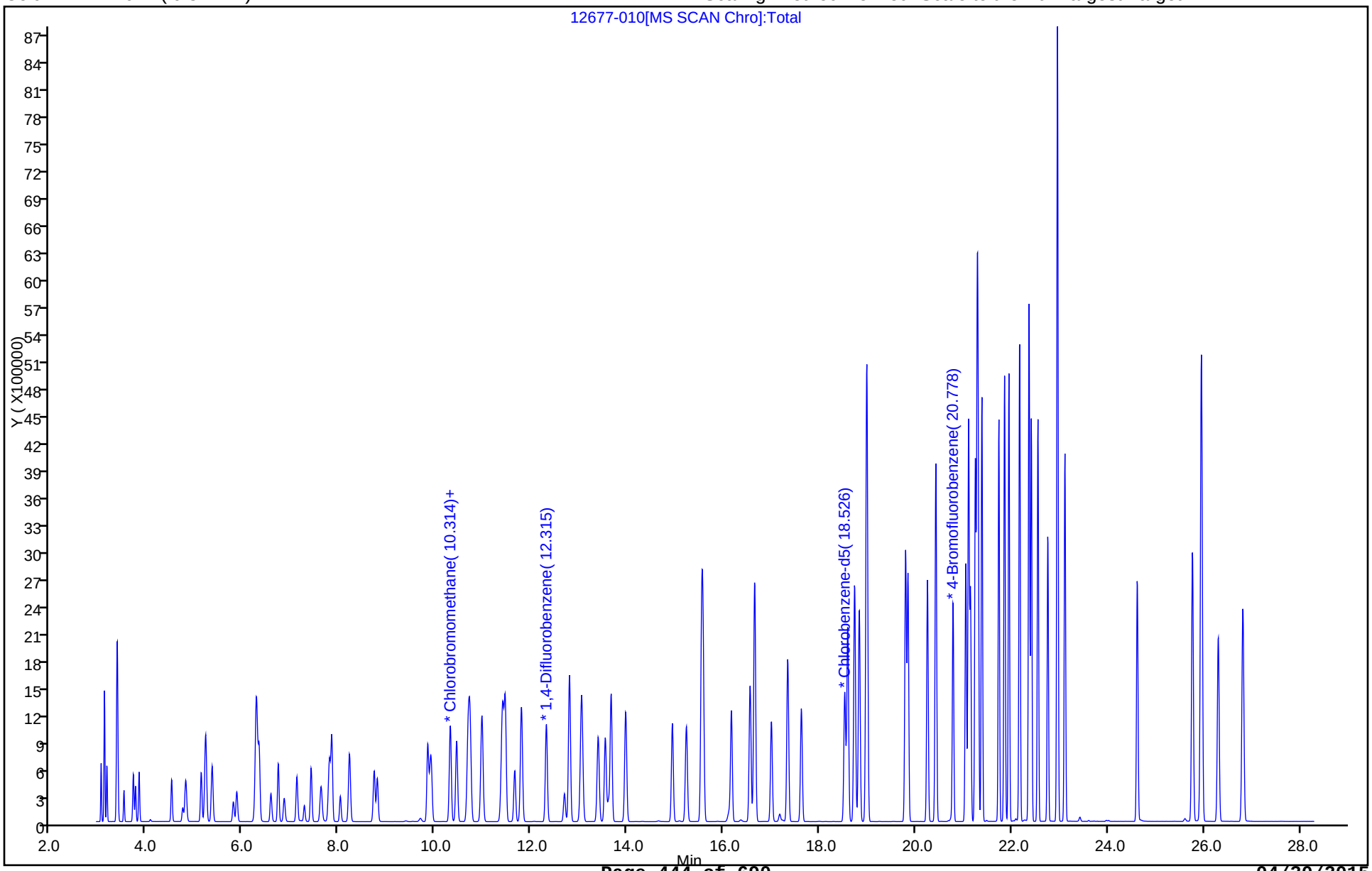
Report Date: 23-Mar-2015 12:01:56 Chrom Revision: 2.2 13-Mar-2015 11:20:44

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHX.i\20150319-12677.b\12677-010.D

Injection Date:	19-Mar-2015 23:28:30	Instrument ID:	CHX.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_CHX.i.m	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\CHX.i\20150319-12677.b\12677-011.D
Lims ID: ic
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 20-Mar-2015 00:18:30 ALS Bottle#: 10 Worklist Smp#: 11
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0012677-011
Misc. Info.: ic-08
Operator ID: pad Instrument ID: CHX.i
Sublist: chrom-TO15_LLNJ_TO3_CHX.i.m*sub3

Method: \\BTV-LIMS1\ChromData\CHX.i\20150319-12677.b\TO15_LLNJ_TO3_CHX.i.m.m
Limit Group: AI_TO15_ICAL
Last Update: 23-Mar-2015 12:03:16 Calib Date: 20-Mar-2015 00:18:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHX.i\20150319-12677.b\12677-011.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK014

First Level Reviewer: nelsona Date: 23-Mar-2015 10:13:31

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	3.049	3.049	0.000	99	480159	40.0	35.8	
2 Dichlorodifluoromethane	85	3.124	3.119	0.005	88	2387594	40.0	37.8	
3 Chlorodifluoromethane	51	3.172	3.167	0.005	76	1163054	40.0	38.0	
4 1,2-Dichloro-1,1,2,2-tetra	85	3.391	3.381	0.010	89	2331531	40.0	37.8	
5 Chloromethane	50	3.531	3.520	0.011	88	642466	40.0	38.3	
6 Butane	43	3.728	3.718	0.010	98	988434	40.0	38.4	
7 Vinyl chloride	62	3.771	3.766	0.005	82	803222	40.0	40.2	
8 Butadiene	54	3.852	3.835	0.017	93	527966	40.0	39.7	
9 Bromomethane	94	4.526	4.515	0.011	99	656190	40.0	36.7	
10 Chloroethane	64	4.761	4.745	0.016	97	296513	40.0	36.4	
11 2-Methylbutane	43	4.825	4.804	0.021	88	529849	40.0	34.7	
12 Vinyl bromide	106	5.146	5.130	0.016	92	1044263	40.0	39.2	
13 Trichlorofluoromethane	101	5.237	5.221	0.016	86	2626974	40.0	38.6	
14 Pentane	43	5.376	5.355	0.021	95	1161359	40.0	37.5	
15 Ethanol	45	5.831	5.793	0.038	94	814172	100.0	95.2	
16 Ethyl ether	59	5.890	5.868	0.022	76	559702	40.0	38.2	
17 Acrolein	56	6.296	6.275	0.021	40	249624	40.0	37.0	
18 1,1,2-Trichloro-1,2,2-trif	101	6.296	6.280	0.016	94	1974161	40.0	37.7	
20 1,1-Dichloroethene	96	6.350	6.334	0.016	87	944778	40.0	38.4	
21 Acetone	43	6.601	6.580	0.021	83	1001431	40.0	36.1	
22 Carbon disulfide	76	6.751	6.735	0.016	98	2401517	40.0	38.4	
23 Isopropyl alcohol	45	6.885	6.853	0.032	99	924277	40.0	35.5	
24 3-Chloro-1-propene	41	7.136	7.120	0.016	87	832956	40.0	37.5	
25 Acetonitrile	41	7.297	7.275	0.022	99	456037	40.0	37.2	
26 Methylene Chloride	49	7.430	7.414	0.016	80	815696	40.0	35.6	
28 2-Methyl-2-propanol	59	7.644	7.623	0.021	98	1554229	40.0	36.6	
29 Methyl tert-butyl ether	73	7.816	7.800	0.016	95	2704747	40.0	38.8	
30 trans-1,2-Dichloroethene	61	7.864	7.848	0.016	83	1232386	40.0	38.2	
31 Acrylonitrile	53	8.040	8.024	0.016	94	566645	40.0	38.3	
32 Hexane	57	8.228	8.217	0.011	89	1231288	40.0	36.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
33 1,1-Dichloroethane	63	8.741	8.730	0.011	94	1650448	40.0	38.7	
34 Vinyl acetate	43	8.811	8.795	0.016	99	1964381	40.0	38.5	
35 cis-1,2-Dichloroethene	96	9.854	9.843	0.011	88	1208227	40.0	38.9	
36 2-Butanone (MEK)	72	9.907	9.891	0.016	100	517171	40.0	34.9	
37 Ethyl acetate	88	9.934	9.918	0.016	76	90128	40.0	38.8	
S 38 1,2-Dichloroethene, Total	61				0		80.0	77.1	
39 Tetrahydrofuran	42	10.319	10.309	0.010	86	881534	40.0	38.4	
* 40 Chlorobromomethane	128	10.330	10.319	0.011	79	302199	10.0	10.0	
41 Chloroform	83	10.458	10.448	0.010	93	2282411	40.0	39.0	
42 Cyclohexane	84	10.699	10.688	0.011	84	1615592	40.0	39.2	
43 1,1,1-Trichloroethane	97	10.737	10.726	0.011	91	2480154	40.0	39.9	
44 Carbon tetrachloride	117	10.983	10.972	0.011	89	2794651	40.0	41.1	
45 Isooctane	57	11.411	11.400	0.011	99	5288728	40.0	38.7	
46 Benzene	78	11.469	11.453	0.016	94	3685935	40.0	38.9	
47 1,2-Dichloroethane	62	11.667	11.651	0.016	92	1416384	40.0	39.8	
48 n-Heptane	43	11.807	11.796	0.011	86	1684854	40.0	37.3	
* 50 1,4-Difluorobenzene	114	12.325	12.315	0.010	92	1617104	10.0	10.0	
51 n-Butanol	56	12.700	12.689	0.011	82	630200	40.0	38.3	
52 Trichloroethene	95	12.802	12.796	0.006	91	1792221	40.0	39.7	
53 1,2-Dichloropropane	63	13.401	13.390	0.011	93	1351009	40.0	39.9	
54 Methyl methacrylate	69	13.551	13.540	0.011	81	1386801	40.0	39.9	
55 1,4-Dioxane	88	13.615	13.604	0.011	80	583960	40.0	35.0	
56 Dibromomethane	174	13.674	13.663	0.011	89	2112250	40.0	40.7	
57 Dichlorobromomethane	83	13.973	13.962	0.011	95	2825786	40.0	41.0	
58 cis-1,3-Dichloropropene	75	14.941	14.936	0.005	83	2231496	40.0	41.2	
A 59 Total Hydrocarbons	1	15.027	(3.012-27.043)		0	856343537	NC	NC	
A 60 TVOC as Toluene	1	15.027	(3.012-27.043)		0	856343537	40.0	10481	
61 4-Methyl-2-pentanone (MIBK	43	15.236	15.225	0.011	92	2307226	40.0	37.5	
A 63 Toluene Range	1		(15.536-15.556)				ND	ND	
62 Toluene	92	15.551	15.546	0.005	93	3047586	40.0	40.0	
66 n-Octane	43	15.583	15.573	0.010	85	2421040	40.0	37.0	
A 64 C8 Range	1		(15.563-15.583)				ND	ND	
A 65 GRO	1	15.573	(15.573-15.573)		0	22071609	40.0	0	
67 trans-1,3-Dichloropropene	75	16.172	16.167	0.005	91	2312607	40.0	39.7	
68 1,1,2-Trichloroethane	83	16.557	16.552	0.005	91	1422778	40.0	40.6	
69 Tetrachloroethene	166	16.653	16.648	0.005	84	3139646	40.0	41.0	
70 2-Hexanone	43	17.006	16.996	0.010	92	2254683	40.0	36.6	
71 Chlorodibromomethane	129	17.343	17.338	0.005	96	3475728	40.0	42.5	
72 Ethylene Dibromide	107	17.627	17.622	0.005	98	2890160	40.0	41.1	
* 73 Chlorobenzene-d5	117	18.531	18.526	0.005	65	1508555	10.0	10.0	
74 Chlorobenzene	112	18.590	18.590	0.000	97	4442720	40.0	40.5	
75 Ethylbenzene	91	18.734	18.729	0.005	95	6824533	40.0	40.4	
76 n-Nonane	57	18.831	18.825	0.006	83	2728152	40.0	39.2	
77 m-Xylene & p-Xylene	106	18.991	18.986	0.005	99	5563826	80.0	79.7	
78 o-Xylene	106	19.799	19.794	0.005	95	2797197	40.0	40.5	
79 Styrene	104	19.847	19.842	0.005	97	4507647	40.0	41.7	
S 80 Xylenes, Total	106				0		120.0	120.3	
81 Bromoform	173	20.248	20.248	0.000	99	3773926	40.0	43.0	
82 Isopropylbenzene	105	20.425	20.425	0.000	95	8265890	40.0	40.5	
* 83 4-Bromofluorobenzene	95	20.783	20.783	0.000	98	1070973	10.0	10.0	
85 1,1,2,2-Tetrachloroethane	83	21.045	21.045	0.000	90	3745851	40.0	40.3	
86 N-Propylbenzene	91	21.110	21.104	0.006	100	9486739	40.0	40.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
87 1,2,3-Trichloropropane	75	21.147	21.142	0.005	85	2921031	40.0	39.6	
88 n-Decane	57	21.249	21.243	0.006	83	3575287	40.0	39.7	
89 4-Ethyltoluene	105	21.286	21.281	0.005	95	8121243	40.0	39.8	
90 2-Chlorotoluene	91	21.308	21.302	0.006	94	6486611	40.0	39.9	
91 1,3,5-Trimethylbenzene	105	21.382	21.383	-0.001	92	7078855	40.0	41.0	
92 Alpha Methyl Styrene	118	21.736	21.736	0.000	89	3766298	40.0	42.3	
93 tert-Butylbenzene	119	21.853	21.853	0.000	91	6856701	40.0	40.1	
94 1,2,4-Trimethylbenzene	105	21.944	21.944	0.000	96	7069045	40.0	40.8	
95 sec-Butylbenzene	105	22.169	22.169	0.000	98	9909797	40.0	40.0	
96 4-Isopropyltoluene	119	22.367	22.362	0.005	94	8804568	40.0	40.2	
97 1,3-Dichlorobenzene	146	22.415	22.410	0.005	98	5381604	40.0	41.7	
98 1,4-Dichlorobenzene	146	22.549	22.549	0.000	96	5434481	40.0	42.0	
99 Benzyl chloride	91	22.757	22.752	0.005	100	6513217	40.0	44.7	
101 n-Butylbenzene	91	22.961	22.955	0.006	96	6833974	40.0	37.9	
100 Undecane	57	22.955	22.955	0.000	71	3569899	40.0	37.6	
102 1,2-Dichlorobenzene	146	23.110	23.110	0.000	98	5111760	40.0	41.7	
103 Dodecane	57	24.619	24.619	0.000	92	3318604	40.0	42.3	
104 1,2,4-Trichlorobenzene	180	25.769	25.764	0.005	92	4902671	40.0	45.7	
105 Hexachlorobutadiene	225	25.951	25.951	0.000	95	4679447	40.0	42.5	
106 Naphthalene	128	26.304	26.304	0.000	99	9791100	40.0	47.9	
107 1,2,3-Trichlorobenzene	180	26.818	26.812	0.006	95	4389851	40.0	50.1	

QC Flag Legend

Processing Flags

NC - Not Calibrated

ND - Not Detected or Marked ND

Reagents:

ATTO15CAL7w_00053	Amount Added: 200.00	Units: mL	
ATTO15GIS_00009	Amount Added: 20.00	Units: mL	Run Reagent

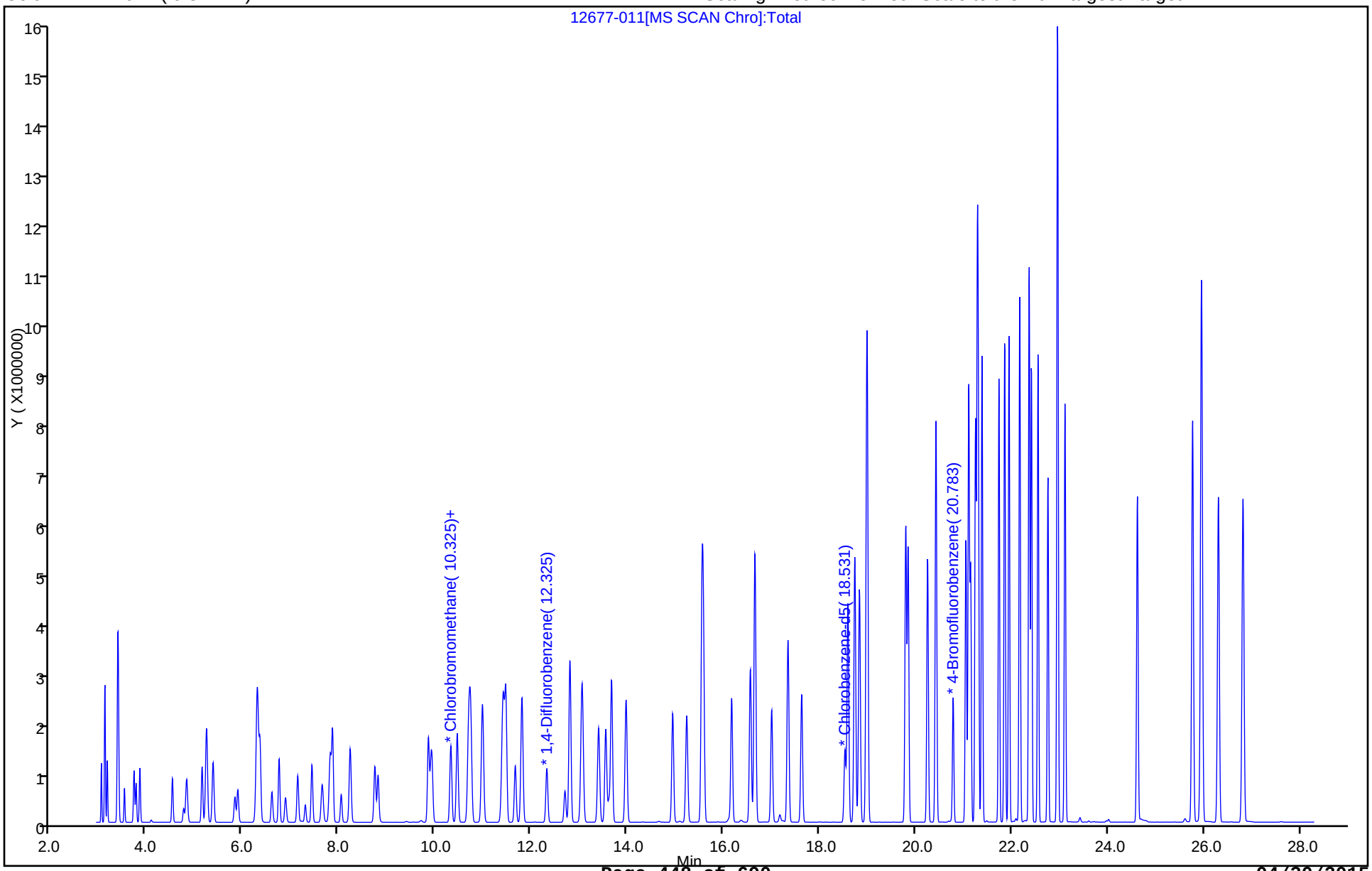
Report Date: 23-Mar-2015 12:03:16 Chrom Revision: 2.2 13-Mar-2015 11:20:44

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHX.i\20150319-12677.b\12677-011.D

Injection Date:	20-Mar-2015 00:18:30	Instrument ID:	CHX.i	Operator ID:	pad
Lims ID:	ic			Worklist Smp#:	11
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	10
Method:	TO15_LLNJ_TO3_CHX.i.m	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.: 200-27725-1

SDG No.:

Lab Sample ID: ICV 200-85787/19 Calibration Date: 03/20/2015 09:46

Instrument ID: CHX.i Calib Start Date: 03/19/2015 18:34

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 03/20/2015 00:18

Lab File ID: 12677-019.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	0.4444	0.3780		8.50	10.0	-14.9	30.0
Dichlorodifluoromethane	Ave	2.088	1.973		9.45	10.0	-5.5	30.0
Freon 22	Ave	1.012	0.9567		9.45	10.0	-5.5	30.0
1,2-Dichlorotetrafluoroethane	Ave	2.040	2.215		10.9	10.0	8.6	30.0
Chloromethane	Ave	0.5544	0.5121		9.24	10.0	-7.6	30.0
n-Butane	Ave	0.8508	0.7928		9.32	10.0	-6.8	30.0
Vinyl chloride	Ave	0.6616	0.6308		9.53	10.0	-4.6	30.0
1,3-Butadiene	Ave	0.4400	0.4088		9.29	10.0	-7.1	30.0
Bromomethane	Ave	0.5924	0.5903		9.96	10.0	-0.4	30.0
Chloroethane	Ave	0.2695	0.2704		10.0	10.0	0.3	30.0
Isopentane	Ave	0.5053	0.5125		10.1	10.0	1.4	30.0
Bromoethene(Vinyl Bromide)	Ave	0.8814	0.8810		9.99	10.0	-0.0	30.0
Trichlorofluoromethane	Ave	2.253	2.185		9.70	10.0	-3.0	30.0
n-Pentane	Ave	1.025	1.091		10.6	10.0	6.4	30.0
Ethanol	Ave	0.2829	0.2770		14.7	15.0	-2.1	30.0
Ethyl ether	Ave	0.4851	0.5232		10.8	10.0	7.9	30.0
Acrolein	Ave	0.2235	0.2582		11.6	10.0	15.5	30.0
Freon TF	Ave	1.731	1.727		9.98	10.0	-0.2	30.0
1,1-Dichloroethene	Ave	0.8148	0.7949		9.75	10.0	-2.4	30.0
Acetone	Ave	0.9172	1.019		11.1	10.0	11.0	30.0
Carbon disulfide	Ave	2.070	2.348		11.3	10.0	13.4	30.0
Isopropyl alcohol	Ave	0.8608	0.7157		8.31	10.0	-16.9	30.0
3-Chloropropene	Ave	0.7357	0.6776		9.21	10.0	-7.9	30.0
Acetonitrile	Ave	0.4057	0.4209		10.4	10.0	3.7	30.0
Methylene Chloride	Ave	0.7576	0.6982		9.21	10.0	-7.8	30.0
tert-Butyl alcohol	Ave	1.404	1.245		8.87	10.0	-11.3	30.0
Methyl tert-butyl ether	Ave	2.307	2.266		9.82	10.0	-1.8	30.0
trans-1,2-Dichloroethene	Ave	1.068	1.119		10.5	10.0	4.8	30.0
Acrylonitrile	Ave	0.4896	0.5037		10.3	10.0	2.9	30.0
n-Hexane	Ave	1.121	1.137		10.1	10.0	1.4	30.0
1,1-Dichloroethane	Ave	1.410	1.393		9.88	10.0	-1.2	30.0
Vinyl acetate	Ave	1.688	1.645		9.74	10.0	-2.6	30.0
cis-1,2-Dichloroethene	Ave	1.027	1.001		9.74	10.0	-2.5	30.0
Methyl Ethyl Ketone	Ave	0.4906	0.4437		9.04	10.0	-9.5	30.0
Ethyl acetate	Ave	0.0768	0.0829		10.8	10.0	7.9	30.0
Tetrahydrofuran	Ave	0.1418	0.1399		9.87	10.0	-1.3	30.0
Chloroform	Ave	1.938	1.911		9.86	10.0	-1.4	30.0
Cyclohexane	Ave	0.2547	0.2556		10.0	10.0	0.4	30.0
1,1,1-Trichloroethane	Ave	0.3842	0.3828		9.96	10.0	-0.4	30.0
Carbon tetrachloride	Ave	0.4208	0.3949		9.38	10.0	-6.1	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-27725-1

SDG No.:

Lab Sample ID: ICV 200-85787/19 Calibration Date: 03/20/2015 09:46

Instrument ID: CHX.i Calib Start Date: 03/19/2015 18:34

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 03/20/2015 00:18

Lab File ID: 12677-019.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	0.8455	0.8242		9.75	10.0	-2.5	30.0
Benzene	Ave	0.5853	0.5827		9.95	10.0	-0.4	30.0
1,2-Dichloroethane	Ave	0.2200	0.2180		9.91	10.0	-0.9	30.0
n-Heptane	Ave	0.2794	0.2629		9.41	10.0	-5.9	30.0
n-Butanol	Ave	0.1017	0.0941		9.25	10.0	-7.5	30.0
Trichloroethene	Ave	0.2791	0.2773		9.93	10.0	-0.6	30.0
1,2-Dichloropropane	Ave	0.2093	0.2018		9.64	10.0	-3.5	30.0
Methyl methacrylate	Ave	0.2147	0.2129		9.91	10.0	-0.8	30.0
1,4-Dioxane	Ave	0.1033	0.0890		8.61	10.0	-13.9	30.0
Dibromomethane	Ave	0.3211	0.3127		9.74	10.0	-2.6	30.0
Bromodichloromethane	Ave	0.4262	0.4192		9.83	10.0	-1.7	30.0
cis-1,3-Dichloropropene	Ave	0.3346	0.3352		10.0	10.0	0.2	30.0
methyl isobutyl ketone	Ave	0.3806	0.3471		9.12	10.0	-8.8	30.0
Toluene	Ave	0.5053	0.5004		9.90	10.0	-1.0	30.0
n-Octane	Ave	0.4043	0.3845		9.51	10.0	-4.9	30.0
trans-1,3-Dichloropropene	Ave	0.3599	0.3484		9.68	10.0	-3.2	30.0
1,1,2-Trichloroethane	Ave	0.2325	0.2339		10.1	10.0	0.6	30.0
Tetrachloroethene	Ave	0.5079	0.5051		9.94	10.0	-0.6	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.4089	0.3625		8.86	10.0	-11.3	30.0
Dibromochloromethane	Ave	0.5424	0.5383		9.92	10.0	-0.8	30.0
1,2-Dibromoethane	Ave	0.4658	0.4697		10.1	10.0	0.8	30.0
Chlorobenzene	Ave	0.7276	0.7252		9.96	10.0	-0.3	30.0
Ethylbenzene	Ave	1.119	1.098		9.81	10.0	-1.9	30.0
n-Nonane	Ave	0.4613	0.4430		9.60	10.0	-4.0	30.0
m,p-Xylene	Ave	0.4625	0.4585		19.8	20.0	-0.9	30.0
Xylene, o-	Ave	0.4575	0.4471		9.77	10.0	-2.3	30.0
Styrene	Ave	0.7168	0.7171		10.0	10.0	0.0	30.0
Bromoform	Ave	0.5811	0.6064		10.4	10.0	4.3	30.0
Cumene	Ave	1.352	1.315		9.72	10.0	-2.7	30.0
1,1,2,2-Tetrachloroethane	Ave	0.6168	0.6123		9.93	10.0	-0.7	30.0
n-Propylbenzene	Ave	1.555	1.519		9.76	10.0	-2.3	30.0
1,2,3-Trichloropropane	Ave	0.4892	0.4640		9.48	10.0	-5.2	30.0
n-Decane	Ave	0.5977	0.5749		9.62	10.0	-3.8	30.0
4-Ethyltoluene	Ave	1.352	1.371		10.1	10.0	1.4	30.0
2-Chlorotoluene	Ave	1.078	1.056		9.79	10.0	-2.0	30.0
1,3,5-Trimethylbenzene	Ave	1.144	1.126		9.85	10.0	-1.5	30.0
Alpha Methyl Styrene	Ave	0.5901	0.5969		10.1	10.0	1.2	30.0
tert-Butylbenzene	Ave	1.132	1.106		9.77	10.0	-2.3	30.0
1,2,4-Trimethylbenzene	Ave	1.147	1.130		9.85	10.0	-1.5	30.0
sec-Butylbenzene	Ave	1.643	1.604		9.76	10.0	-2.4	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-27725-1

SDG No.:

Lab Sample ID: ICV 200-85787/19 Calibration Date: 03/20/2015 09:46

Instrument ID: CHX.i Calib Start Date: 03/19/2015 18:34

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 03/20/2015 00:18

Lab File ID: 12677-019.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	1.452	1.435		9.88	10.0	-1.2	30.0
1,3-Dichlorobenzene	Ave	0.8560	0.8725		10.2	10.0	1.9	30.0
1,4-Dichlorobenzene	Ave	0.8578	0.8709		10.2	10.0	1.5	30.0
Benzyl chloride	Ave	0.9652	0.9621		9.97	10.0	-0.3	30.0
n-Butylbenzene	Ave	1.195	1.210		10.1	10.0	1.3	30.0
n-Undecane	Ave	0.6286	0.6424		10.2	10.0	2.2	30.0
1,2-Dichlorobenzene	Ave	0.8124	0.8215		10.1	10.0	1.1	30.0
n-Dodecane	Ave	0.5203	0.5662		10.9	10.0	8.8	30.0
1,2,4-Trichlorobenzene	Ave	0.7114	0.7297		10.3	10.0	2.6	30.0
Hexachlorobutadiene	Ave	0.7290	0.7368		10.1	10.0	1.1	30.0
Naphthalene	Ave	1.356	1.300		9.58	10.0	-4.2	30.0
1,2,3-Trichlorobenzene	Ave	0.5808	0.6344		10.9	10.0	9.2	30.0

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHX.i\20150319-12677.b\12677-019.D
Lims ID: icv
Client ID:
Sample Type: ICV
Inject. Date: 20-Mar-2015 09:46:30 ALS Bottle#: 18 Worklist Smp#: 19
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0012677-019
Misc. Info.: icv
Operator ID: pad Instrument ID: CHX.i
Sublist:

Method: \\BTV-LIMS1\ChromData\CHX.i\20150319-12677.b\TO15_LLNJ_TO3_CHX.i.m.m
Limit Group: AI_TO15_ICAL
Last Update: 23-Mar-2015 11:54:16 Calib Date: 20-Mar-2015 00:18:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHX.i\20150319-12677.b\12677-011.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK014

First Level Reviewer: daiglep Date: 20-Mar-2015 10:19:34

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	3.044	3.049	-0.005	98	114829	10.0	8.50	
2 Dichlorodifluoromethane	85	3.113	3.119	-0.006	99	599443	10.0	9.45	
3 Chlorodifluoromethane	51	3.167	3.167	0.000	97	290650	10.0	9.45	
4 1,2-Dichloro-1,1,2,2-tetra	85	3.375	3.381	-0.006	95	672883	10.0	10.9	
5 Chloromethane	50	3.520	3.520	0.000	99	155568	10.0	9.24	
6 Butane	43	3.718	3.718	0.000	98	240839	10.0	9.32	
7 Vinyl chloride	62	3.761	3.766	-0.005	98	191642	10.0	9.53	
8 Butadiene	54	3.835	3.835	0.000	93	124193	10.0	9.29	
9 Bromomethane	94	4.515	4.515	0.000	99	179325	10.0	9.96	
10 Chloroethane	64	4.745	4.745	0.000	99	82147	10.0	10.0	
11 2-Methylbutane	43	4.809	4.804	0.005	89	155687	10.0	10.1	
12 Vinyl bromide	106	5.130	5.130	0.000	99	267658	10.0	10.0	
13 Trichlorofluoromethane	101	5.216	5.221	-0.005	98	663853	10.0	9.70	
14 Pentane	43	5.355	5.355	0.000	96	331368	10.0	10.6	
15 Ethanol	45	5.793	5.793	0.000	98	126290	15.0	14.7	
16 Ethyl ether	59	5.868	5.868	0.000	94	158958	10.0	10.8	
$ 19 BFB									
17 Acrolein	56	6.275	6.275	0.000	96	78446	10.0	11.6	
18 1,1,2-Trichloro-1,2,2-trif	101	6.275	6.280	-0.005	95	524805	10.0	9.98	
20 1,1-Dichloroethene	96	6.334	6.334	0.000	95	241488	10.0	9.75	
21 Acetone	43	6.574	6.580	-0.006	89	309422	10.0	11.1	
22 Carbon disulfide	76	6.730	6.735	-0.005	98	713285	10.0	11.3	
23 Isopropyl alcohol	45	6.853	6.853	0.000	99	217416	10.0	8.31	
24 3-Chloro-1-propene	41	7.115	7.120	-0.005	89	205845	10.0	9.21	
25 Acetonitrile	41	7.275	7.275	0.000	99	127861	10.0	10.4	
26 Methylene Chloride	49	7.414	7.414	0.000	84	212098	10.0	9.21	
28 2-Methyl-2-propanol	59	7.618	7.623	-0.005	99	378350	10.0	8.87	
29 Methyl tert-butyl ether	73	7.800	7.800	0.000	95	688319	10.0	9.82	
30 trans-1,2-Dichloroethene	61	7.848	7.848	0.000	91	340095	10.0	10.5	
31 Acrylonitrile	53	8.024	8.024	0.000	95	153010	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
32 Hexane	57	8.217	8.217	0.000	89	345380	10.0	10.1	
33 1,1-Dichloroethane	63	8.730	8.730	0.000	99	423129	10.0	9.88	
34 Vinyl acetate	43	8.789	8.795	-0.006	99	499796	10.0	9.74	
35 cis-1,2-Dichloroethene	96	9.843	9.843	0.000	96	303964	10.0	9.74	
36 2-Butanone (MEK)	72	9.891	9.891	0.000	99	134805	10.0	9.04	
37 Ethyl acetate	88	9.918	9.918	0.000	99	25184	10.0	10.8	
S 38 1,2-Dichloroethene, Total	61				0		20.0	20.2	
39 Tetrahydrofuran	42	10.303	10.309	-0.006	86	227949	10.0	9.87	
* 40 Chlorobromomethane	128	10.319	10.319	0.000	77	303857	10.0	10.0	
41 Chloroform	83	10.448	10.448	0.000	100	580701	10.0	9.86	
42 Cyclohexane	84	10.683	10.688	-0.005	85	416486	10.0	10.0	
43 1,1,1-Trichloroethane	97	10.726	10.726	0.000	97	623634	10.0	9.96	
44 Carbon tetrachloride	117	10.972	10.972	0.000	96	643410	10.0	9.38	
45 Isooctane	57	11.400	11.400	0.000	99	1342844	10.0	9.75	
46 Benzene	78	11.459	11.453	0.006	93	949359	10.0	9.95	
47 1,2-Dichloroethane	62	11.651	11.651	0.000	98	355232	10.0	9.91	
48 n-Heptane	43	11.790	11.796	-0.006	86	428347	10.0	9.41	
* 50 1,4-Difluorobenzene	114	12.315	12.315	0.000	92	1629499	10.0	10.0	
51 n-Butanol	56	12.689	12.689	0.000	83	153236	10.0	9.25	
52 Trichloroethene	95	12.791	12.796	-0.005	95	451731	10.0	9.93	
53 1,2-Dichloropropane	63	13.390	13.390	0.000	93	328835	10.0	9.64	
54 Methyl methacrylate	69	13.534	13.540	-0.006	82	346877	10.0	9.91	
55 1,4-Dioxane	88	13.604	13.604	0.000	87	144947	10.0	8.61	
56 Dibromomethane	174	13.663	13.663	0.000	90	509436	10.0	9.74	
57 Dichlorobromomethane	83	13.962	13.962	0.000	98	682864	10.0	9.83	
58 cis-1,3-Dichloropropene	75	14.936	14.936	0.000	89	546073	10.0	10.0	
A 60 TVOC as Toluene	1	15.027	(3.012-27.043)		0	209192710	10.0	2540.8	
61 4-Methyl-2-pentanone (MIBK	43	15.225	15.225	0.000	93	565551	10.0	9.12	
A 63 Toluene Range	1		(15.536-15.556)				ND	ND	
62 Toluene	92	15.546	15.546	0.000	93	757084	10.0	9.90	
66 n-Octane	43	15.573	15.573	0.000	87	626369	10.0	9.51	
A 64 C8 Range	1		(15.563-15.583)				ND	ND	
A 65 GRO	1	15.573	(15.573-15.573)		0	5556996	10.0	0	
67 trans-1,3-Dichloropropene	75	16.166	16.167	-0.001	94	567522	10.0	9.68	
68 1,1,2-Trichloroethane	83	16.557	16.552	0.005	96	353795	10.0	10.1	
69 Tetrachloroethene	166	16.648	16.648	0.000	96	764232	10.0	9.94	
70 2-Hexanone	43	16.996	16.996	0.000	93	548392	10.0	8.86	
71 Chlorodibromomethane	129	17.338	17.338	0.000	98	814409	10.0	9.92	
72 Ethylene Dibromide	107	17.622	17.622	0.000	99	710580	10.0	10.1	
* 73 Chlorobenzene-d5	117	18.526	18.526	0.000	83	1513223	10.0	10.0	
74 Chlorobenzene	112	18.590	18.590	0.000	98	1097126	10.0	9.96	
75 Ethylbenzene	91	18.729	18.729	0.000	97	1661075	10.0	9.81	
76 n-Nonane	57	18.825	18.825	0.000	84	670266	10.0	9.60	
77 m-Xylene & p-Xylene	106	18.986	18.986	0.000	99	1387400	20.0	19.8	
78 o-Xylene	106	19.794	19.794	0.000	95	676383	10.0	9.77	
79 Styrene	104	19.842	19.842	0.000	97	1084951	10.0	10.0	
S 80 Xylenes, Total	106				0		30.0	29.6	
81 Bromoform	173	20.248	20.248	0.000	99	917401	10.0	10.4	
82 Isopropylbenzene	105	20.425	20.425	0.000	95	1990081	10.0	9.72	
* 83 4-Bromofluorobenzene	95	20.778	20.783	-0.005	98	1055436	10.0	10.0	
85 1,1,2,2-Tetrachloroethane	83	21.045	21.045	0.000	98	926375	10.0	9.93	
86 N-Propylbenzene	91	21.104	21.104	0.000	100	2297650	10.0	9.76	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
87 1,2,3-Trichloropropane	75	21.142	21.142	0.000	97	701975	10.0	9.48	
88 n-Decane	57	21.243	21.243	0.000	84	869821	10.0	9.62	
89 4-Ethyltoluene	105	21.281	21.281	0.000	98	2073948	10.0	10.1	
90 2-Chlorotoluene	91	21.302	21.302	0.000	96	1597088	10.0	9.79	
91 1,3,5-Trimethylbenzene	105	21.382	21.383	-0.001	94	1704018	10.0	9.85	
92 Alpha Methyl Styrene	118	21.736	21.736	0.000	92	903078	10.0	10.1	
93 tert-Butylbenzene	119	21.853	21.853	0.000	95	1672948	10.0	9.77	
94 1,2,4-Trimethylbenzene	105	21.944	21.944	0.000	96	1710322	10.0	9.85	
95 sec-Butylbenzene	105	22.169	22.169	0.000	99	2427336	10.0	9.76	
96 4-Isopropyltoluene	119	22.361	22.362	-0.001	98	2170649	10.0	9.88	
97 1,3-Dichlorobenzene	146	22.410	22.410	0.000	99	1320019	10.0	10.2	
98 1,4-Dichlorobenzene	146	22.549	22.549	0.000	97	1317603	10.0	10.2	
99 Benzyl chloride	91	22.752	22.752	0.000	100	1455556	10.0	9.97	
101 n-Butylbenzene	91	22.955	22.955	0.000	96	1831208	10.0	10.1	
100 Undecane	57	22.955	22.955	0.000	92	971867	10.0	10.2	
102 1,2-Dichlorobenzene	146	23.110	23.110	0.000	99	1242884	10.0	10.1	
103 Dodecane	57	24.614	24.619	-0.005	93	856645	10.0	10.9	
104 1,2,4-Trichlorobenzene	180	25.764	25.764	0.000	94	1103947	10.0	10.3	
105 Hexachlorobutadiene	225	25.951	25.951	0.000	98	1114750	10.0	10.1	
106 Naphthalene	128	26.304	26.304	0.000	99	1966150	10.0	9.58	
107 1,2,3-Trichlorobenzene	180	26.818	26.812	0.006	95	959753	10.0	10.9	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

7 - Failed Limit of Detection

Reagents:

ATTO15LCSW_00468	Amount Added: 200.00	Units: mL	
ATTO15GIS_00009	Amount Added: 20.00	Units: mL	Run Reagent

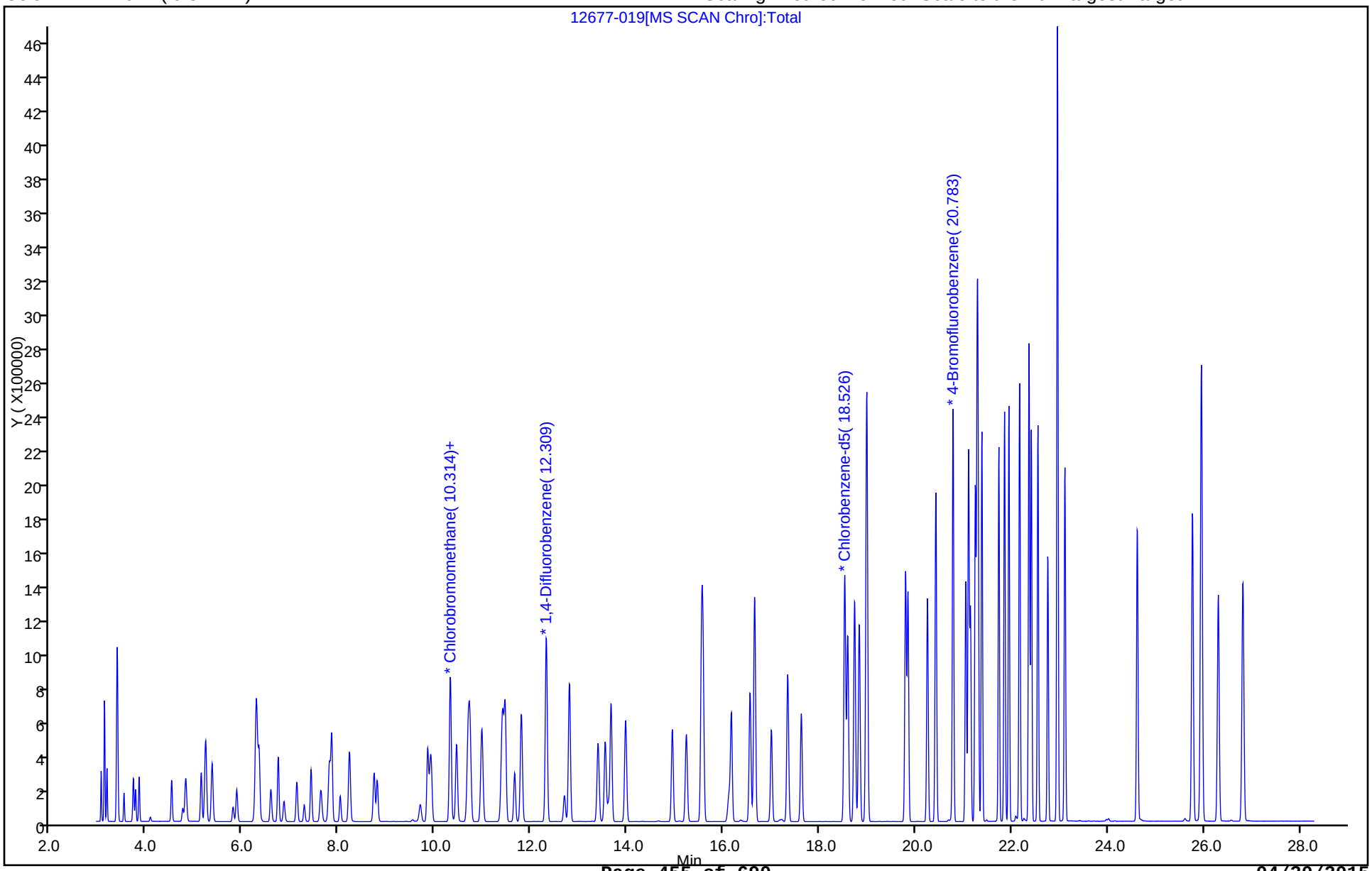
Report Date: 23-Mar-2015 11:55:04 Chrom Revision: 2.2 13-Mar-2015 11:20:44

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHX.i\20150319-12677.b\12677-019.D

Injection Date:	20-Mar-2015 09:46:30	Instrument ID:	CHX.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_CHX.i.m	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.: 200-27725-1

SDG No.:

Lab Sample ID: CCVIS 200-87597/2 Calibration Date: 04/29/2015 11:55

Instrument ID: CHX.i Calib Start Date: 03/19/2015 18:34

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 03/20/2015 00:18

Lab File ID: 13349-002.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	0.4444	0.5156		11.6	10.0	16.0	30.0
Dichlorodifluoromethane	Ave	2.088	2.284		10.9	10.0	9.4	30.0
Freon 22	Ave	1.012	1.147		11.3	10.0	13.3	30.0
1,2-Dichlorotetrafluoroethane	Ave	2.040	2.283		11.2	10.0	11.9	30.0
Chloromethane	Ave	0.5544	0.6363		11.5	10.0	14.8	30.0
n-Butane	Ave	0.8508	0.9609		11.3	10.0	12.9	30.0
Vinyl chloride	Ave	0.6616	0.7828		11.8	10.0	18.3	30.0
1,3-Butadiene	Ave	0.4400	0.5192		11.8	10.0	18.0	30.0
Bromomethane	Ave	0.5924	0.6836		11.5	10.0	15.4	30.0
Chloroethane	Ave	0.2695	0.2899		10.8	10.0	7.6	30.0
Isopentane	Ave	0.5053	0.4902		9.70	10.0	-3.0	30.0
Bromoethene(Vinyl Bromide)	Ave	0.8814	0.9083		10.3	10.0	3.0	30.0
Trichlorofluoromethane	Ave	2.253	2.322		10.3	10.0	3.0	30.0
n-Pentane	Ave	1.025	1.097		10.7	10.0	7.1	30.0
Ethanol	Ave	0.2829	0.2829		15.0	15.0	-0.0	30.0
Ethyl ether	Ave	0.4851	0.5202		10.7	10.0	7.2	30.0
Acrolein	Ave	0.2235	0.2153		9.63	10.0	-3.6	30.0
Freon TF	Ave	1.731	1.833		10.6	10.0	5.9	30.0
1,1-Dichloroethene	Ave	0.8148	0.8576		10.5	10.0	5.2	30.0
Acetone	Ave	0.9172	1.047		11.4	10.0	14.2	30.0
Carbon disulfide	Ave	2.070	2.296		11.1	10.0	10.9	30.0
Isopropyl alcohol	Ave	0.8608	0.8320		9.66	10.0	-3.3	30.0
3-Chloropropene	Ave	0.7357	0.6239		8.48	10.0	-15.2	30.0
Acetonitrile	Ave	0.4057	0.4448		11.0	10.0	9.6	30.0
Methylene Chloride	Ave	0.7576	0.7969		10.5	10.0	5.2	30.0
tert-Butyl alcohol	Ave	1.404	1.325		9.43	10.0	-5.7	30.0
Methyl tert-butyl ether	Ave	2.307	2.347		10.2	10.0	1.8	30.0
trans-1,2-Dichloroethene	Ave	1.068	1.152		10.8	10.0	7.9	30.0
Acrylonitrile	Ave	0.4896	0.5261		10.7	10.0	7.5	30.0
n-Hexane	Ave	1.121	1.162		10.4	10.0	3.7	30.0
1,1-Dichloroethane	Ave	1.410	1.494		10.6	10.0	6.0	30.0
Vinyl acetate	Ave	1.688	1.783		10.6	10.0	5.6	30.0
cis-1,2-Dichloroethene	Ave	1.027	1.036		10.1	10.0	0.9	30.0
Methyl Ethyl Ketone	Ave	0.4906	0.4567		9.31	10.0	-6.9	30.0
Ethyl acetate	Ave	0.0768	0.0750		9.77	10.0	-2.3	30.0
Tetrahydrofuran	Ave	0.1418	0.1654		11.7	10.0	16.6	30.0
Chloroform	Ave	1.938	1.951		10.1	10.0	0.6	30.0
Cyclohexane	Ave	0.2547	0.2701		10.6	10.0	6.1	30.0
1,1,1-Trichloroethane	Ave	0.3842	0.4098		10.7	10.0	6.6	30.0
Carbon tetrachloride	Ave	0.4208	0.3458		8.22	10.0	-17.8	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-27725-1

SDG No.:

Lab Sample ID: CCVIS 200-87597/2 Calibration Date: 04/29/2015 11:55

Instrument ID: CHX.i Calib Start Date: 03/19/2015 18:34

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 03/20/2015 00:18

Lab File ID: 13349-002.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	0.8455	0.9087		10.7	10.0	7.5	30.0
Benzene	Ave	0.5853	0.6225		10.6	10.0	6.3	30.0
1,2-Dichloroethane	Ave	0.2200	0.2309		10.5	10.0	5.0	30.0
n-Heptane	Ave	0.2794	0.2926		10.5	10.0	4.7	30.0
n-Butanol	Ave	0.1017	0.0879		8.64	10.0	-13.5	30.0
Trichloroethene	Ave	0.2791	0.2748		9.84	10.0	-1.5	30.0
1,2-Dichloropropane	Ave	0.2093	0.2035		9.72	10.0	-2.8	30.0
Methyl methacrylate	Ave	0.2147	0.1979		9.22	10.0	-7.8	30.0
1,4-Dioxane	Ave	0.1033	0.0864		8.36	10.0	-16.4	30.0
Dibromomethane	Ave	0.3211	0.2956		9.21	10.0	-7.9	30.0
Bromodichloromethane	Ave	0.4262	0.4212		9.88	10.0	-1.2	30.0
cis-1,3-Dichloropropene	Ave	0.3346	0.3130		9.35	10.0	-6.4	30.0
methyl isobutyl ketone	Ave	0.3806	0.3676		9.66	10.0	-3.4	30.0
Toluene	Ave	0.5053	0.4845		9.59	10.0	-4.1	30.0
n-Octane	Ave	0.4043	0.3949		9.76	10.0	-2.3	30.0
trans-1,3-Dichloropropene	Ave	0.3599	0.3222		8.95	10.0	-10.5	30.0
1,1,2-Trichloroethane	Ave	0.2325	0.2381		10.2	10.0	2.4	30.0
Tetrachloroethene	Ave	0.5079	0.4891		9.63	10.0	-3.7	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.4089	0.3968		9.70	10.0	-3.0	30.0
Dibromochloromethane	Ave	0.5424	0.5351		9.86	10.0	-1.3	30.0
1,2-Dibromoethane	Ave	0.4658	0.4680		10.0	10.0	0.5	30.0
Chlorobenzene	Ave	0.7276	0.7043		9.68	10.0	-3.2	30.0
Ethylbenzene	Ave	1.119	1.117		9.98	10.0	-0.1	30.0
n-Nonane	Ave	0.4613	0.4540		9.84	10.0	-1.6	30.0
m,p-Xylene	Ave	0.4625	0.4643		20.1	20.0	0.4	30.0
Xylene, o-	Ave	0.4575	0.4508		9.85	10.0	-1.5	30.0
Styrene	Ave	0.7168	0.6982		9.74	10.0	-2.6	30.0
Bromoform	Ave	0.5811	0.5731		9.86	10.0	-1.4	30.0
Cumene	Ave	1.352	1.344		9.93	10.0	-0.6	30.0
1,1,2,2-Tetrachloroethane	Ave	0.6168	0.6370		10.3	10.0	3.3	30.0
n-Propylbenzene	Ave	1.555	1.592		10.2	10.0	2.4	30.0
1,2,3-Trichloropropane	Ave	0.4892	0.4867		9.95	10.0	-0.5	30.0
n-Decane	Ave	0.5977	0.5927		9.92	10.0	-0.8	30.0
4-Ethyltoluene	Ave	1.352	1.387		10.3	10.0	2.6	30.0
2-Chlorotoluene	Ave	1.078	1.109		10.3	10.0	2.9	30.0
1,3,5-Trimethylbenzene	Ave	1.144	1.138		9.95	10.0	-0.5	30.0
Alpha Methyl Styrene	Ave	0.5901	0.5626		9.53	10.0	-4.7	30.0
tert-Butylbenzene	Ave	1.132	1.123		9.92	10.0	-0.8	30.0
1,2,4-Trimethylbenzene	Ave	1.147	1.148		10.0	10.0	0.0	30.0
sec-Butylbenzene	Ave	1.643	1.683		10.2	10.0	2.4	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-27725-1

SDG No.:

Lab Sample ID: CCVIS 200-87597/2 Calibration Date: 04/29/2015 11:55

Instrument ID: CHX.i Calib Start Date: 03/19/2015 18:34

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 03/20/2015 00:18

Lab File ID: 13349-002.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	1.452	1.454		9.98	10.0	0.1	30.0
1,3-Dichlorobenzene	Ave	0.8560	0.8528		9.96	10.0	-0.4	30.0
1,4-Dichlorobenzene	Ave	0.8578	0.8413		9.81	10.0	-1.9	30.0
Benzyl chloride	Ave	0.9652	0.8786		9.10	10.0	-9.0	30.0
n-Undecane	Ave	0.6286	0.6391		10.2	10.0	1.7	30.0
n-Butylbenzene	Ave	1.195	1.299		10.9	10.0	8.7	30.0
1,2-Dichlorobenzene	Ave	0.8124	0.8059		9.92	10.0	-0.8	30.0
n-Dodecane	Ave	0.5203	0.3874		7.44	10.0	-25.5	30.0
1,2,4-Trichlorobenzene	Ave	0.7114	0.5783		8.13	10.0	-18.7	30.0
Hexachlorobutadiene	Ave	0.7290	0.6600		9.05	10.0	-9.5	30.0
Naphthalene	Ave	1.356	1.038		7.65	10.0	-23.5	30.0
1,2,3-Trichlorobenzene	Ave	0.5808	0.5131		8.83	10.0	-11.7	30.0

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHX.i\20150429-13349.b\13349-002.D
Lims ID: ccvis
Client ID:
Sample Type: CCVIS
Inject. Date: 29-Apr-2015 11:55:30 ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0013349-002
Misc. Info.: ccvis
Operator ID: wrd Instrument ID: CHX.i
Sublist: chrom-TO15_LLNJ_TO3_CHX.i.m*sub3

Method: \\BTV-LIMS1\ChromData\CHX.i\20150429-13349.b\TO15_LLNJ_TO3_CHX.i.m.m
Limit Group: AI_TO15_ICAL
Last Update: 29-Apr-2015 13:00:13 Calib Date: 20-Mar-2015 00:18:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHX.i\20150319-12677.b\12677-011.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK037

First Level Reviewer: lyonsb Date: 29-Apr-2015 13:00:06

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	3.044	3.044	0.000	98	175836	10.0	11.6	
2 Dichlorodifluoromethane	85	3.113	3.113	0.000	99	778776	10.0	10.9	
3 Chlorodifluoromethane	51	3.167	3.167	0.000	97	391220	10.0	11.3	
4 1,2-Dichloro-1,1,2,2-tetra	85	3.375	3.375	0.000	95	778515	10.0	11.2	
5 Chloromethane	50	3.520	3.520	0.000	99	216982	10.0	11.5	
6 Butane	43	3.712	3.712	0.000	98	327671	10.0	11.3	
7 Vinyl chloride	62	3.761	3.761	0.000	98	266949	10.0	11.8	
8 Butadiene	54	3.835	3.835	0.000	92	177034	10.0	11.8	
$ 19 BFB									
9 Bromomethane	94	4.510	4.510	0.000	99	233101	10.0	11.5	
10 Chloroethane	64	4.740	4.740	0.000	100	98852	10.0	10.8	
11 2-Methylbutane	43	4.798	4.798	0.000	88	167150	10.0	9.70	
12 Vinyl bromide	106	5.125	5.125	0.000	99	309739	10.0	10.3	
13 Trichlorofluoromethane	101	5.216	5.216	0.000	98	791668	10.0	10.3	
14 Pentane	43	5.349	5.349	0.000	96	374237	10.0	10.7	
15 Ethanol	45	5.788	5.788	0.000	98	144761	15.0	15.0	
16 Ethyl ether	59	5.863	5.863	0.000	95	177387	10.0	10.7	
17 Acrolein	56	6.270	6.270	0.000	95	73434	10.0	9.63	
18 1,1,2-Trichloro-1,2,2-trif	101	6.270	6.270	0.000	97	625200	10.0	10.6	
20 1,1-Dichloroethene	96	6.328	6.328	0.000	95	292439	10.0	10.5	
21 Acetone	43	6.575	6.575	0.000	89	357032	10.0	11.4	
22 Carbon disulfide	76	6.724	6.724	0.000	98	782923	10.0	11.1	
23 Isopropyl alcohol	45	6.847	6.847	0.000	99	283731	10.0	9.66	
24 3-Chloro-1-propene	41	7.115	7.115	0.000	91	212763	10.0	8.48	
25 Acetonitrile	41	7.265	7.265	0.000	100	151678	10.0	11.0	
26 Methylene Chloride	49	7.409	7.409	0.000	86	271762	10.0	10.5	
28 2-Methyl-2-propanol	59	7.618	7.618	0.000	99	451669	10.0	9.43	
29 Methyl tert-butyl ether	73	7.794	7.794	0.000	96	800477	10.0	10.2	
30 trans-1,2-Dichloroethene	61	7.837	7.837	0.000	92	392970	10.0	10.8	
31 Acrylonitrile	53	8.014	8.014	0.000	95	179413	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
32 Hexane	57	8.206	8.206	0.000	88	396346	10.0	10.4	
33 1,1-Dichloroethane	63	8.720	8.720	0.000	99	509594	10.0	10.6	
34 Vinyl acetate	43	8.784	8.784	0.000	100	607993	10.0	10.6	
35 cis-1,2-Dichloroethene	96	9.838	9.838	0.000	96	353231	10.0	10.1	
36 2-Butanone (MEK)	72	9.886	9.886	0.000	99	155735	10.0	9.31	
37 Ethyl acetate	88	9.913	9.913	0.000	100	25584	10.0	9.77	
S 38 1,2-Dichloroethene, Total	61				0		20.0	20.9	
39 Tetrahydrofuran	42	10.298	10.298	0.000	89	276701	10.0	11.7	
* 40 Chlorobromomethane	128	10.314	10.314	0.000	81	341073	10.0	10.0	
41 Chloroform	83	10.437	10.437	0.000	100	665218	10.0	10.1	
42 Cyclohexane	84	10.678	10.678	0.000	87	451964	10.0	10.6	
43 1,1,1-Trichloroethane	97	10.715	10.715	0.000	97	685618	10.0	10.7	
44 Carbon tetrachloride	117	10.967	10.967	0.000	97	578575	10.0	8.22	
45 Isooctane	57	11.395	11.395	0.000	100	1520432	10.0	10.7	
46 Benzene	78	11.448	11.448	0.000	94	1041531	10.0	10.6	
47 1,2-Dichloroethane	62	11.646	11.646	0.000	97	386369	10.0	10.5	
48 n-Heptane	43	11.785	11.785	0.000	88	489674	10.0	10.5	
* 50 1,4-Difluorobenzene	114	12.304	12.304	0.000	93	1673600	10.0	10.0	
51 n-Butanol	56	12.684	12.684	0.000	85	147142	10.0	8.64	
52 Trichloroethene	95	12.786	12.786	0.000	96	459736	10.0	9.84	
53 1,2-Dichloropropane	63	13.379	13.379	0.000	92	340446	10.0	9.72	
54 Methyl methacrylate	69	13.529	13.529	0.000	84	331192	10.0	9.22	
55 1,4-Dioxane	88	13.593	13.593	0.000	87	144548	10.0	8.36	
56 Dibromomethane	174	13.652	13.652	0.000	92	494690	10.0	9.21	
57 Dichlorobromomethane	83	13.957	13.957	0.000	99	704832	10.0	9.88	
58 cis-1,3-Dichloropropene	75	14.931	14.931	0.000	90	523743	10.0	9.35	
A 59 Total Hydrocarbons	1	15.016	(3.012-27.021)		0	217422825	NC	NC	
A 60 TVOC as Toluene	1	15.016	(3.012-27.021)		0	217422825	10.0	2571.1	
61 4-Methyl-2-pentanone (MIBK	43	15.220	15.220	0.000	95	615093	10.0	9.66	
A 63 Toluene Range	1		(15.525-15.545)				ND	ND	
62 Toluene	92	15.535	15.535	0.000	93	735183	10.0	9.59	
66 n-Octane	43	15.567	15.567	0.000	89	660763	10.0	9.76	
A 64 C8 Range	1		(15.557-15.577)				ND	ND	
A 65 GRO	1	15.567	(15.567-15.567)		0	5658469	10.0	0	
67 trans-1,3-Dichloropropene	75	16.156	16.156	0.000	96	539167	10.0	8.95	
68 1,1,2-Trichloroethane	83	16.546	16.546	0.000	96	361390	10.0	10.2	
69 Tetrachloroethene	166	16.637	16.637	0.000	97	742256	10.0	9.63	
70 2-Hexanone	43	16.985	16.985	0.000	94	602084	10.0	9.70	
71 Chlorodibromomethane	129	17.327	17.327	0.000	98	812079	10.0	9.86	
72 Ethylene Dibromide	107	17.611	17.611	0.000	99	710195	10.0	10.0	
* 73 Chlorobenzene-d5	117	18.520	18.520	0.000	83	1517849	10.0	10.0	
74 Chlorobenzene	112	18.579	18.579	0.000	97	1068822	10.0	9.68	
75 Ethylbenzene	91	18.724	18.724	0.000	97	1695493	10.0	9.98	
76 n-Nonane	57	18.820	18.820	0.000	86	688955	10.0	9.84	
77 m-Xylene & p-Xylene	106	18.975	18.975	0.000	100	1409141	20.0	20.1	
78 o-Xylene	106	19.783	19.783	0.000	95	684069	10.0	9.85	
79 Styrene	104	19.836	19.836	0.000	97	1059541	10.0	9.74	
S 80 Xylenes, Total	106				0		30.0	29.9	
81 Bromoform	173	20.243	20.243	0.000	99	869628	10.0	9.86	
82 Isopropylbenzene	105	20.414	20.414	0.000	95	2039022	10.0	9.93	
* 83 4-Bromofluorobenzene	95	20.773	20.773	0.000	98	1048829	10.0	10.0	
85 1,1,2,2-Tetrachloroethane	83	21.040	21.040	0.000	98	966750	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
86 N-Propylbenzene	91	21.094	21.094	0.000	100	2416258	10.0	10.2	
87 1,2,3-Trichloropropane	75	21.136	21.136	0.000	97	738581	10.0	9.95	
88 n-Decane	57	21.238	21.238	0.000	86	899482	10.0	9.92	
89 4-Ethyltoluene	105	21.276	21.276	0.000	99	2104711	10.0	10.3	
90 2-Chlorotoluene	91	21.297	21.297	0.000	96	1683260	10.0	10.3	
91 1,3,5-Trimethylbenzene	105	21.372	21.372	0.000	94	1727552	10.0	9.95	
92 Alpha Methyl Styrene	118	21.730	21.730	0.000	91	853805	10.0	9.53	
93 tert-Butylbenzene	119	21.848	21.848	0.000	96	1704895	10.0	9.92	
94 1,2,4-Trimethylbenzene	105	21.939	21.939	0.000	97	1741793	10.0	10.0	
95 sec-Butylbenzene	105	22.158	22.158	0.000	99	2554317	10.0	10.2	
96 4-Isopropyltoluene	119	22.356	22.356	0.000	98	2206234	10.0	9.98	
97 1,3-Dichlorobenzene	146	22.404	22.404	0.000	98	1294144	10.0	9.96	
98 1,4-Dichlorobenzene	146	22.543	22.543	0.000	97	1276731	10.0	9.81	
99 Benzyl chloride	91	22.747	22.747	0.000	99	1333275	10.0	9.10	
100 Undecane	57	22.945	22.945	0.000	93	969795	10.0	10.2	
101 n-Butylbenzene	91	22.950	22.950	0.000	96	1971216	10.0	10.9	
102 1,2-Dichlorobenzene	146	23.105	23.105	0.000	98	1222966	10.0	9.92	
103 Dodecane	57	24.608	24.608	0.000	93	587913	10.0	7.44	
104 1,2,4-Trichlorobenzene	180	25.759	25.759	0.000	94	877531	10.0	8.13	
105 Hexachlorobutadiene	225	25.940	25.940	0.000	95	1001522	10.0	9.05	
106 Naphthalene	128	26.294	26.294	0.000	99	1574693	10.0	7.65	
107 1,2,3-Trichlorobenzene	180	26.807	26.807	0.000	95	778643	10.0	8.83	

QC Flag Legend

Processing Flags

NC - Not Calibrated

ND - Not Detected or Marked ND

7 - Failed Limit of Detection

Reagents:

ATTO15CAL4w_00452	Amount Added: 200.00	Units: mL	
ATTO15GIS_00009	Amount Added: 20.00	Units: mL	Run Reagent

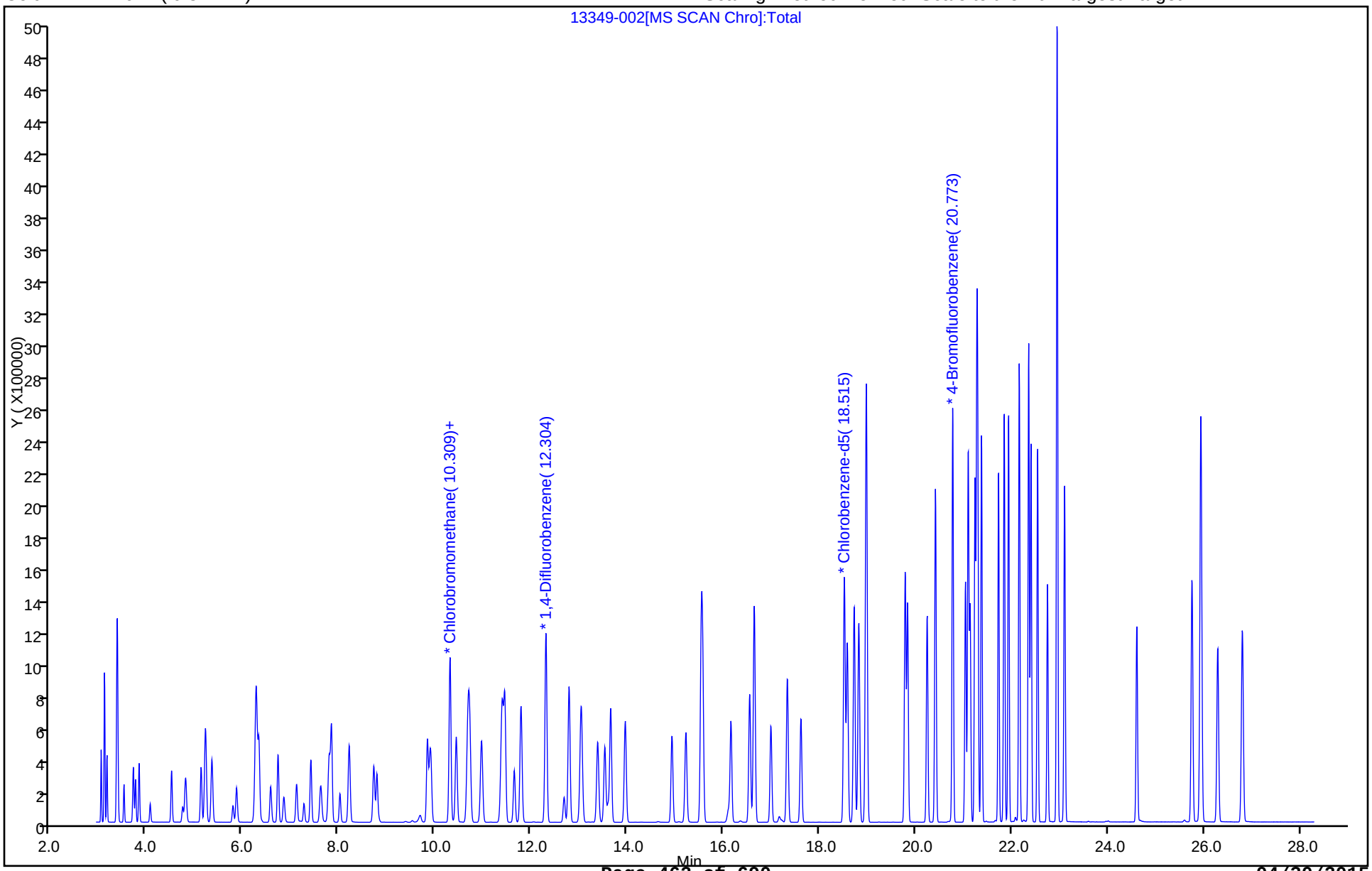
Report Date: 29-Apr-2015 13:00:13 Chrom Revision: 2.2 09-Apr-2015 10:05:40

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHX.i\20150429-13349.b\13349-002.D

Injection Date:	29-Apr-2015 11:55:30	Instrument ID:	CHX.i	Operator ID:	wrd
Lims ID:	ccvis			Worklist Smp#:	2
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	TO15_LLNJ_TO3_CHX.i.m	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\CHX.i\20150319-12677.b\12677-001.D				
Lims ID:	bfb				
Client ID:					
Sample Type:	BFB				
Inject. Date:	19-Mar-2015 16:11:30	ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	0.0 mL	Dil. Factor:	1.0000		
Sample Info:	200-0012677-001				
Misc. Info.:	bfb				
Operator ID:	pad	Instrument ID:	CHX.i		
Method:	\\BTV-LIMS1\ChromData\CHX.i\20150319-12677.b\TO15_LLNJ_TO3_CHX.i.m.m				
Limit Group:	AI_TO15_ICAL				
Last Update:	23-Mar-2015 11:54:16	Calib Date:	20-Mar-2015 00:18:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\BTV-LIMS1\ChromData\CHX.i\20150319-12677.b\12677-011.D				
Column 1 :	RTX-624 (0.32 mm)		Det: MS SCAN		
Process Host:	XAWRK014				

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
$ 19 BFB									
* 40 Chlorobromomethane	128		10.319				10.0	ND	
* 50 1,4-Difluorobenzene	114		12.315				10.0	ND	
* 73 Chlorobenzene-d5	117		18.526				10.0	ND	
* 83 4-Bromofluorobenzene	95		20.783				10.0	ND	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Reagents:

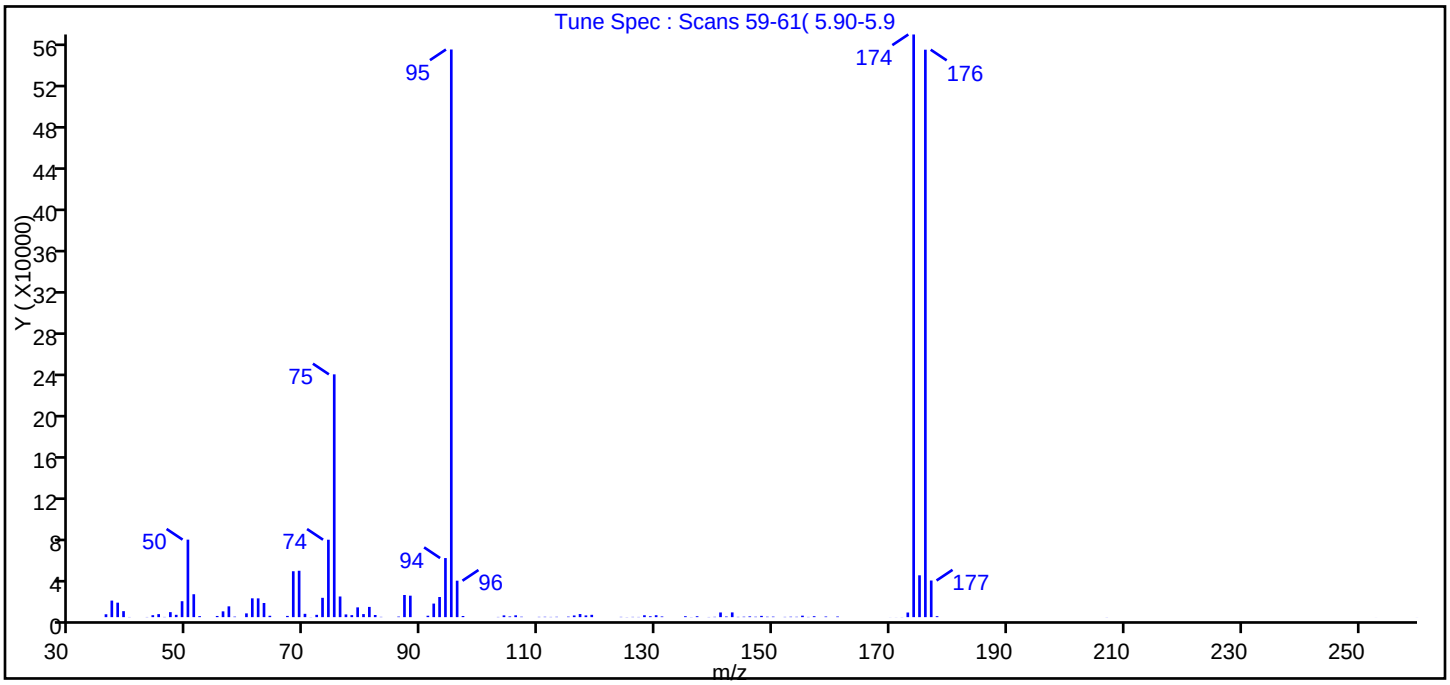
ATTO15GIS_00009 Amount Added: 20.00 Units: mL Run Reagent

MS Tune Report

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHX.i\20150319-12677.b\12677-001.D
Injection Date: 19-Mar-2015 16:11:30 Instrument ID: CHX.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_CHX.i.m Limit Group: AI_TO15_ICAL
Tune Method: BFB Method TO-15

$ 19 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100 Percent Relative Abundance	100.0
50	8.0 to 40.0 Percent of m/e 95	13.7
75	30.0 to 66.0 Percent of m/e 95	42.8
96	5.0 to 9.0 Percent of m/e 95	6.4
173	Less than 2.0 Percent of m/e 174	0.8 (0.8)
174	50.0 to 120.0 Percent of m/e 95	102.6
175	4.0 to 9.0 Percent of m/e 174	7.4 (7.2)
176	93.0 to 101.0 Percent of m/e 174	100.0 (97.4)
177	5.0 to 9.0 Percent of m/e 176	6.5 (6.5)

Data File: \\BTV-LIMS1\ChromData\CHX.i\20150319-12677.b\12677-001.D\TO15_LLNJ_TO3_CHX.i.m.rslt\spectra.c
Injection Date: 19-Mar-2015 16:11:30
Spectrum: Tune Spec : Scans 59-61(5.90-5.9
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	2780	70.00	3223	106.00	1755	144.00	278
37.00	16019	71.00	119	107.00	403	145.00	425
38.00	14000	72.00	2238	110.00	276	146.00	730
39.00	5798	73.00	18696	111.00	352	147.00	397
40.00	158	74.00	74888	112.00	219	148.00	1237
43.00	165	75.00	234816	113.00	336	149.00	403
44.00	1892	76.00	19984	115.00	488	150.00	491
45.00	2925	77.00	2622	116.00	1630	152.00	253
46.00	203	78.00	1931	117.00	3000	153.00	413
47.00	4844	79.00	9458	118.00	1673	154.00	339
48.00	2244	80.00	2954	119.00	2242	155.00	1419
49.00	15412	81.00	9897	124.00	262	156.00	219
50.00	74960	82.00	2072	125.00	132	157.00	906
51.00	22160	83.00	264	126.00	257	159.00	609
52.00	958	86.00	529	127.00	200	161.00	613
55.00	1136	87.00	21416	128.00	1832	170.00	53
56.00	5604	88.00	20760	129.00	843	171.00	57
57.00	10453	91.00	1364	130.00	1845	172.00	92
58.00	489	92.00	13120	131.00	654	173.00	4474
60.00	3653	93.00	19480	135.00	908	174.00	563520
61.00	18200	94.00	57144	136.00	124	175.00	40464
62.00	18168	95.00	548992	137.00	888	176.00	548800
63.00	13675	96.00	35248	139.00	167	177.00	35440
64.00	1338	97.00	1118	140.00	314	178.00	915
67.00	1190	103.00	206	141.00	4528	207.00	86
68.00	44392	104.00	1703	142.00	598	253.00	28
69.00	44872	105.00	669	143.00	4580	260.00	36

TestAmerica Burlington
Target Compound Quantitation Report

Data File:	\\BTV-LIMS1\ChromData\CHX.i\20150429-13349.b\13349-001.D				
Lims ID:	bfb				
Client ID:					
Sample Type:	BFB				
Inject. Date:	29-Apr-2015 11:07:30	ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	0.0 mL	Dil. Factor:	1.0000		
Sample Info:	200-0013349-001				
Misc. Info.:	bfb				
Operator ID:	wrd	Instrument ID:	CHX.i		
Method:	\\BTV-LIMS1\ChromData\CHX.i\20150429-13349.b\TO15_LLNJ_TO3_CHX.i.m.m				
Limit Group:	AI_TO15_ICAL				
Last Update:	29-Apr-2015 13:00:10	Calib Date:	20-Mar-2015 00:18:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\BTV-LIMS1\ChromData\CHX.i\20150319-12677.b\12677-011.D				
Column 1 :	RTX-624 (0.32 mm)		Det: MS SCAN		
Process Host:	XAWRK037				
First Level Reviewer: lyonsb		Date:	29-Apr-2015 13:00:10		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
$ 19 BFB									
* 40 Chlorobromomethane	128		10.314				10.0	ND	
* 50 1,4-Difluorobenzene	114		12.304				10.0	ND	
* 73 Chlorobenzene-d5	117		18.520				10.0	ND	
* 83 4-Bromofluorobenzene	95		20.773				10.0	ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

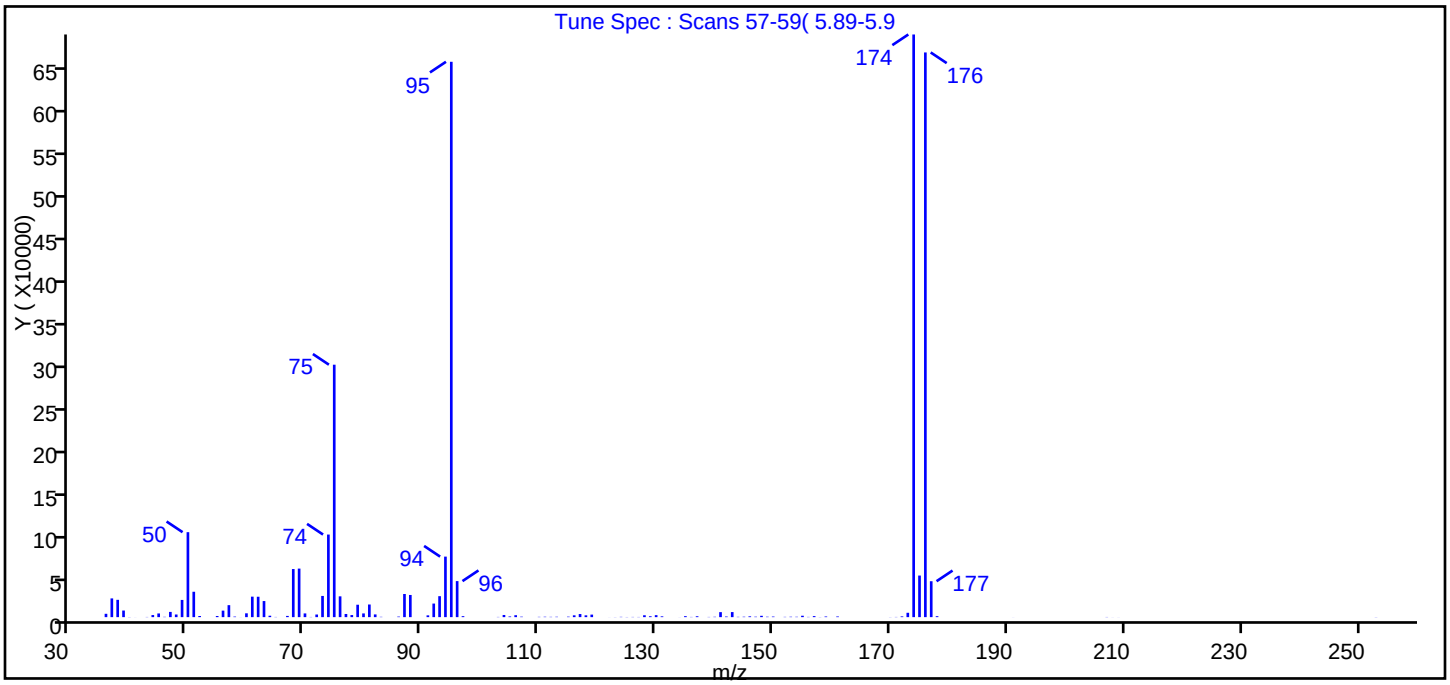
ATTO15GIS_00009 Amount Added: 20.00 Units: mL Run Reagent

MS Tune Report

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHX.i\20150429-13349.b\13349-001.D
Injection Date: 29-Apr-2015 11:07:30 Instrument ID: CHX.i
Lims ID: bfb
Client ID:
Operator ID: wrd ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 0.0 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3_CHX.i.m Limit Group: AI_TO15_ICAL
Tune Method: BFB Method TO-15

$ 19 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100 Percent Relative Abundance	100.0
50	8.0 to 40.0 Percent of m/e 95	15.3
75	30.0 to 66.0 Percent of m/e 95	45.5
96	5.0 to 9.0 Percent of m/e 95	6.5
173	Less than 2.0 Percent of m/e 174	0.8 (0.7)
174	50.0 to 120.0 Percent of m/e 95	104.9
175	4.0 to 9.0 Percent of m/e 174	7.5 (7.1)
176	93.0 to 101.0 Percent of m/e 174	101.7 (96.9)
177	5.0 to 9.0 Percent of m/e 176	6.5 (6.4)

Data File: \\BTV-LIMS1\ChromData\CHX.i\20150429-13349.b\13349-001.D\TO15_LLNJ_TO3_CHX.i.m.rslt\spectra.c
Injection Date: 29-Apr-2015 11:07:30
Spectrum: Tune Spec : Scans 57-59(5.89-5.9
Base Peak: 174.00
Minimum % Base Peak: 0
Number of Points: 117

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	3923	70.00	4359	111.00	473	147.00	526
37.00	21960	71.00	216	112.00	341	148.00	1580
38.00	20288	72.00	3077	113.00	452	149.00	482
39.00	7743	73.00	24840	115.00	569	150.00	674
40.00	161	74.00	96776	116.00	2140	152.00	323
41.00	52	75.00	295808	117.00	3634	153.00	478
43.00	223	76.00	24384	118.00	2129	154.00	430
44.00	2444	77.00	3694	119.00	2980	155.00	1642
45.00	4316	78.00	2427	122.00	51	156.00	279
46.00	359	79.00	14546	123.00	116	157.00	1208
47.00	6139	80.00	4364	124.00	342	158.00	141
48.00	3096	81.00	14814	125.00	181	159.00	764
49.00	20168	82.00	3190	126.00	248	161.00	779
50.00	99560	83.00	364	127.00	220	170.00	123
51.00	29752	86.00	641	128.00	2211	171.00	233
52.00	1335	87.00	27120	129.00	1024	172.00	867
55.00	1318	88.00	25976	130.00	2320	173.00	5106
56.00	7647	91.00	2099	131.00	919	174.00	682752
57.00	14036	92.00	15911	134.00	68	175.00	48736
58.00	641	93.00	24576	135.00	1149	176.00	661696
59.00	63	94.00	70928	136.00	245	177.00	42088
60.00	4490	95.00	650752	137.00	1034	178.00	1105
61.00	24008	96.00	42232	139.00	238	191.00	50
62.00	23912	97.00	1133	140.00	415	207.00	204
63.00	18856	103.00	251	141.00	5873	208.00	58
64.00	1659	104.00	2527	142.00	706	209.00	56
65.00	223	105.00	789	143.00	5927	253.00	145
67.00	1435	106.00	2253	144.00	359		
68.00	56368	107.00	551	145.00	495		
69.00	56880	110.00	340	146.00	937		

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

Lab Name: TestAmerica Burlington Job No.: 200-27725-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-87597/4

Matrix: Air Lab File ID: 13349-004.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 04/29/2015 13:33

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 87597 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	0.20	U	0.50	0.056
75-45-6	Freon 22	86.47	0.20	U	0.50	0.080
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.080	U	0.20	0.052
74-87-3	Chloromethane	50.49	0.20	U	0.50	0.060
106-97-8	n-Butane	58.12	0.20	U	0.50	0.18
75-01-4	Vinyl chloride	62.50	0.030	U	0.20	0.026
106-99-0	1,3-Butadiene	54.09	0.080	U	0.20	0.036
74-83-9	Bromomethane	94.94	0.080	U	0.20	0.044
75-00-3	Chloroethane	64.52	0.080	U	0.50	0.061
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.030	U	0.20	0.020
75-69-4	Trichlorofluoromethane	137.37	0.080	U	0.20	0.045
76-13-1	Freon TF	187.38	0.080	U	0.20	0.041
75-35-4	1,1-Dichloroethene	96.94	0.030	U	0.20	0.010
67-64-1	Acetone	58.08	2.5	U	5.0	0.69
67-63-0	Isopropyl alcohol	60.10	0.50	U	5.0	0.15
75-15-0	Carbon disulfide	76.14	0.080	U	0.50	0.030
107-05-1	3-Chloropropene	76.53	0.20	U	0.50	0.16
75-09-2	Methylene Chloride	84.93	0.20	U	0.50	0.12
75-65-0	tert-Butyl alcohol	74.12	0.20	U	5.0	0.12
1634-04-4	Methyl tert-butyl ether	88.15	0.030	U	0.20	0.022
156-60-5	trans-1,2-Dichloroethene	96.94	0.030	U	0.20	0.027
110-54-3	n-Hexane	86.17	0.030	U	0.20	0.028
75-34-3	1,1-Dichloroethane	98.96	0.030	U	0.20	0.028
78-93-3	Methyl Ethyl Ketone	72.11	0.20	U	0.50	0.092
156-59-2	cis-1,2-Dichloroethene	96.94	0.080	U	0.20	0.030
540-59-0	1,2-Dichloroethene, Total	96.94	0.080	U	0.20	0.053
67-66-3	Chloroform	119.38	0.080	U	0.20	0.038
109-99-9	Tetrahydrofuran	72.11	0.20	U	5.0	0.18
71-55-6	1,1,1-Trichloroethane	133.41	0.080	U	0.20	0.030
110-82-7	Cyclohexane	84.16	0.030	U	0.20	0.010
56-23-5	Carbon tetrachloride	153.81	0.030	U	0.20	0.011
540-84-1	2,2,4-Trimethylpentane	114.23	0.030	U	0.20	0.023
71-43-2	Benzene	78.11	0.030	U	0.20	0.029
107-06-2	1,2-Dichloroethane	98.96	0.080	U	0.20	0.052

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

Lab Name: TestAmerica Burlington Job No.: 200-27725-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-87597/4

Matrix: Air Lab File ID: 13349-004.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 04/29/2015 13:33

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 87597 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	0.037
79-01-6	Trichloroethene	131.39	0.030	U	0.20	0.030
80-62-6	Methyl methacrylate	100.12	0.20	U	0.50	0.096
78-87-5	1,2-Dichloropropane	112.99	0.080	U	0.20	0.035
123-91-1	1,4-Dioxane	88.11	0.20	U	5.0	0.16
75-27-4	Bromodichloromethane	163.83	0.030	U	0.20	0.029
10061-01-5	cis-1,3-Dichloropropene	110.97	0.030	U	0.20	0.029
108-10-1	methyl isobutyl ketone	100.16	0.20	U	0.50	0.18
108-88-3	Toluene	92.14	0.030	U	0.20	0.025
10061-02-6	trans-1,3-Dichloropropene	110.97	0.030	U	0.20	0.026
79-00-5	1,1,2-Trichloroethane	133.41	0.080	U	0.20	0.037
127-18-4	Tetrachloroethene	165.83	0.030	U	0.20	0.030
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.20	U	0.50	0.17
124-48-1	Dibromochloromethane	208.29	0.030	U	0.20	0.020
106-93-4	1,2-Dibromoethane	187.87	0.030	U	0.20	0.018
108-90-7	Chlorobenzene	112.56	0.030	U	0.20	0.018
100-41-4	Ethylbenzene	106.17	0.030	U	0.20	0.020
179601-23-1	m,p-Xylene	106.17	0.060	U	0.50	0.025
95-47-6	Xylene, o-	106.17	0.030	U	0.20	0.018
1330-20-7	Xylene (total)	106.17	0.090	U	0.20	0.041
100-42-5	Styrene	104.15	0.030	U	0.20	0.016
75-25-2	Bromoform	252.75	0.030	U	0.20	0.025
98-82-8	Cumene	120.19	0.030	U	0.20	0.019
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.080	U	0.20	0.034
103-65-1	n-Propylbenzene	120.19	0.030	U	0.20	0.027
622-96-8	4-Ethyltoluene	120.20	0.030	U	0.20	0.020
108-67-8	1,3,5-Trimethylbenzene	120.20	0.030	U	0.20	0.019
95-49-8	2-Chlorotoluene	126.59	0.080	U	0.20	0.031
98-06-6	tert-Butylbenzene	134.22	0.030	U	0.20	0.020
95-63-6	1,2,4-Trimethylbenzene	120.20	0.030	U	0.20	0.016
135-98-8	sec-Butylbenzene	134.22	0.030	U	0.20	0.021
99-87-6	4-Isopropyltoluene	134.22	0.030	U	0.20	0.020
541-73-1	1,3-Dichlorobenzene	147.00	0.030	U	0.20	0.020
106-46-7	1,4-Dichlorobenzene	147.00	0.030	U	0.20	0.019

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

Lab Name: TestAmerica Burlington Job No.: 200-27725-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-87597/4

Matrix: Air Lab File ID: 13349-004.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 04/29/2015 13:33

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 87597 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	0.030	U	0.20	0.018
104-51-8	n-Butylbenzene	134.22	0.030	U	0.20	0.028
95-50-1	1,2-Dichlorobenzene	147.00	0.030	U	0.20	0.018
120-82-1	1,2,4-Trichlorobenzene	181.45	0.080	U	0.50	0.034
87-68-3	Hexachlorobutadiene	260.76	0.080	U	0.20	0.036
91-20-3	Naphthalene	128.17	0.080	U	0.50	0.030

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

Lab Name: TestAmerica Burlington Job No.: 200-27725-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-87597/4

Matrix: Air Lab File ID: 13349-004.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 04/29/2015 13:33

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 87597 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	0.99	U	2.5	0.28
75-45-6	Freon 22	86.47	0.71	U	1.8	0.28
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.56	U	1.4	0.36
74-87-3	Chloromethane	50.49	0.41	U	1.0	0.12
106-97-8	n-Butane	58.12	0.48	U	1.2	0.43
75-01-4	Vinyl chloride	62.50	0.077	U	0.51	0.066
106-99-0	1,3-Butadiene	54.09	0.18	U	0.44	0.080
74-83-9	Bromomethane	94.94	0.31	U	0.78	0.17
75-00-3	Chloroethane	64.52	0.21	U	1.3	0.16
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.13	U	0.87	0.087
75-69-4	Trichlorofluoromethane	137.37	0.45	U	1.1	0.25
76-13-1	Freon TF	187.38	0.61	U	1.5	0.31
75-35-4	1,1-Dichloroethene	96.94	0.12	U	0.79	0.040
67-64-1	Acetone	58.08	5.9	U	12	1.6
67-63-0	Isopropyl alcohol	60.10	1.2	U	12	0.37
75-15-0	Carbon disulfide	76.14	0.25	U	1.6	0.093
107-05-1	3-Chloropropene	76.53	0.63	U	1.6	0.50
75-09-2	Methylene Chloride	84.93	0.69	U	1.7	0.42
75-65-0	tert-Butyl alcohol	74.12	0.61	U	15	0.36
1634-04-4	Methyl tert-butyl ether	88.15	0.11	U	0.72	0.079
156-60-5	trans-1,2-Dichloroethene	96.94	0.12	U	0.79	0.11
110-54-3	n-Hexane	86.17	0.11	U	0.70	0.099
75-34-3	1,1-Dichloroethane	98.96	0.12	U	0.81	0.11
78-93-3	Methyl Ethyl Ketone	72.11	0.59	U	1.5	0.27
156-59-2	cis-1,2-Dichloroethene	96.94	0.32	U	0.79	0.12
540-59-0	1,2-Dichloroethene, Total	96.94	0.32	U	0.79	0.21
67-66-3	Chloroform	119.38	0.39	U	0.98	0.19
109-99-9	Tetrahydrofuran	72.11	0.59	U	15	0.53
71-55-6	1,1,1-Trichloroethane	133.41	0.44	U	1.1	0.16
110-82-7	Cyclohexane	84.16	0.10	U	0.69	0.034
56-23-5	Carbon tetrachloride	153.81	0.19	U	1.3	0.069
540-84-1	2,2,4-Trimethylpentane	114.23	0.14	U	0.93	0.11
71-43-2	Benzene	78.11	0.096	U	0.64	0.093
107-06-2	1,2-Dichloroethane	98.96	0.32	U	0.81	0.21

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

Lab Name: TestAmerica Burlington Job No.: 200-27725-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-87597/4

Matrix: Air Lab File ID: 13349-004.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 04/29/2015 13:33

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 87597 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	0.15
79-01-6	Trichloroethene	131.39	0.16	U	1.1	0.16
80-62-6	Methyl methacrylate	100.12	0.82	U	2.0	0.39
78-87-5	1,2-Dichloropropane	112.99	0.37	U	0.92	0.16
123-91-1	1,4-Dioxane	88.11	0.72	U	18	0.58
75-27-4	Bromodichloromethane	163.83	0.20	U	1.3	0.19
10061-01-5	cis-1,3-Dichloropropene	110.97	0.14	U	0.91	0.13
108-10-1	methyl isobutyl ketone	100.16	0.82	U	2.0	0.74
108-88-3	Toluene	92.14	0.11	U	0.75	0.094
10061-02-6	trans-1,3-Dichloropropene	110.97	0.14	U	0.91	0.12
79-00-5	1,1,2-Trichloroethane	133.41	0.44	U	1.1	0.20
127-18-4	Tetrachloroethene	165.83	0.20	U	1.4	0.20
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.82	U	2.0	0.70
124-48-1	Dibromochloromethane	208.29	0.26	U	1.7	0.17
106-93-4	1,2-Dibromoethane	187.87	0.23	U	1.5	0.14
108-90-7	Chlorobenzene	112.56	0.14	U	0.92	0.083
100-41-4	Ethylbenzene	106.17	0.13	U	0.87	0.087
179601-23-1	m,p-Xylene	106.17	0.26	U	2.2	0.11
95-47-6	Xylene, o-	106.17	0.13	U	0.87	0.078
1330-20-7	Xylene (total)	106.17	0.39	U	0.87	0.18
100-42-5	Styrene	104.15	0.13	U	0.85	0.068
75-25-2	Bromoform	252.75	0.31	U	2.1	0.26
98-82-8	Cumene	120.19	0.15	U	0.98	0.093
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.55	U	1.4	0.23
103-65-1	n-Propylbenzene	120.19	0.15	U	0.98	0.13
622-96-8	4-Ethyltoluene	120.20	0.15	U	0.98	0.098
108-67-8	1,3,5-Trimethylbenzene	120.20	0.15	U	0.98	0.093
95-49-8	2-Chlorotoluene	126.59	0.41	U	1.0	0.16
98-06-6	tert-Butylbenzene	134.22	0.16	U	1.1	0.11
95-63-6	1,2,4-Trimethylbenzene	120.20	0.15	U	0.98	0.079
135-98-8	sec-Butylbenzene	134.22	0.16	U	1.1	0.12
99-87-6	4-Isopropyltoluene	134.22	0.16	U	1.1	0.11
541-73-1	1,3-Dichlorobenzene	147.00	0.18	U	1.2	0.12
106-46-7	1,4-Dichlorobenzene	147.00	0.18	U	1.2	0.11

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

Lab Name: TestAmerica Burlington Job No.: 200-27725-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-87597/4

Matrix: Air Lab File ID: 13349-004.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 04/29/2015 13:33

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 87597 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	0.16	U	1.0	0.093
104-51-8	n-Butylbenzene	134.22	0.16	U	1.1	0.15
95-50-1	1,2-Dichlorobenzene	147.00	0.18	U	1.2	0.11
120-82-1	1,2,4-Trichlorobenzene	181.45	0.59	U	3.7	0.25
87-68-3	Hexachlorobutadiene	260.76	0.85	U	2.1	0.38
91-20-3	Naphthalene	128.17	0.42	U	2.6	0.16

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHX.i\20150429-13349.b\13349-004.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 29-Apr-2015 13:33:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0013349-004
Misc. Info.: mb
Operator ID: wrd Instrument ID: CHX.i

Method: \\BTV-LIMS1\ChromData\CHX.i\20150429-13349.b\TO15_LLNJ_TO3_CHX.i.m.m
Limit Group: AI_TO15_ICAL
Last Update: 29-Apr-2015 15:15:20 Calib Date: 20-Mar-2015 00:18:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHX.i\20150319-12677.b\12677-011.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK049

First Level Reviewer: desjardinsb Date: 29-Apr-2015 15:15:20

	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		3.044					ND	
2	Dichlorodifluoromethane	85		3.113					ND	
3	Chlorodifluoromethane	51		3.167					ND	
4	1,2-Dichloro-1,1,2,2-tetra	85		3.375					ND	
5	Chloromethane	50		3.520					ND	
6	Butane	43		3.712					ND	
7	Vinyl chloride	62		3.761					ND	
8	Butadiene	54		3.835					ND	
9	Bromomethane	94		4.510					ND	
10	Chloroethane	64		4.740					ND	
11	2-Methylbutane	43		4.798					ND	
12	Vinyl bromide	106		5.125					ND	
13	Trichlorofluoromethane	101		5.216					ND	
14	Pentane	43		5.349					ND	
15	Ethanol	45		5.788					ND	
16	Ethyl ether	59		5.863					ND	
17	Acrolein	56		6.270					ND	
18	1,1,2-Trichloro-1,2,2-trif	101		6.270					ND	
20	1,1-Dichloroethene	96		6.328					ND	
21	Acetone	43		6.575					ND	
22	Carbon disulfide	76		6.724					ND	
23	Isopropyl alcohol	45		6.847					ND	
24	3-Chloro-1-propene	41		7.115					ND	
25	Acetonitrile	41		7.265					ND	
26	Methylene Chloride	49		7.409					ND	
T 27	Methyl Acetate TIC	43		7.568					ND	
28	2-Methyl-2-propanol	59		7.618					ND	
29	Methyl tert-butyl ether	73		7.794					ND	
30	trans-1,2-Dichloroethene	61		7.837					ND	
31	Acrylonitrile	53		8.014					ND	
32	Hexane	57		8.206					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 1,1-Dichloroethane	63		8.720					ND	
34 Vinyl acetate	43		8.784					ND	
35 cis-1,2-Dichloroethene	96		9.838					ND	
36 2-Butanone (MEK)	72		9.886					ND	
37 Ethyl acetate	88		9.913					ND	
S 38 1,2-Dichloroethene, Total	61		10.000					ND	
39 Tetrahydrofuran	42		10.298					ND	
* 40 Chlorobromomethane	128	10.303	10.314	-0.011	79	339576	10.0	10.0	
41 Chloroform	83		10.437					ND	
42 Cyclohexane	84		10.678					ND	
43 1,1,1-Trichloroethane	97		10.715					ND	
44 Carbon tetrachloride	117		10.967					ND	
45 Isooctane	57		11.395					ND	
46 Benzene	78		11.448					ND	
47 1,2-Dichloroethane	62		11.646					ND	
48 n-Heptane	43		11.785					ND	
T 49 Methyl cyclohexane TIC	55		11.965					ND	
* 50 1,4-Difluorobenzene	114	12.299	12.304	-0.005	93	1744295	10.0	10.0	
51 n-Butanol	56		12.684					ND	
52 Trichloroethene	95		12.786					ND	
53 1,2-Dichloropropane	63		13.379					ND	
54 Methyl methacrylate	69		13.529					ND	
55 1,4-Dioxane	88		13.593					ND	
56 Dibromomethane	174		13.652					ND	
57 Dichlorobromomethane	83		13.957					ND	
58 cis-1,3-Dichloropropene	75		14.931					ND	
A 59 Total Hydrocarbons	1	15.016	(3.012-27.021)		0	253899		NC	
A 60 TVOC as Toluene	1	15.016	(3.012-27.021)		0	253899		2.88	
61 4-Methyl-2-pentanone (MIBK	43		15.220					ND	
A 63 Toluene Range	1	15.535	(15.525-15.545)		0	1154		NC	
62 Toluene	92		15.535					ND	
66 n-Octane	43		15.567					ND	
A 64 C8 Range	1		(15.583-15.563)					ND	
A 65 GRO	1	15.567	(15.567-15.567)		0	1154		0	
67 trans-1,3-Dichloropropene	75		16.156					ND	
68 1,1,2-Trichloroethane	83		16.546					ND	
69 Tetrachloroethene	166		16.637					ND	
70 2-Hexanone	43		16.985					ND	
71 Chlorodibromomethane	129		17.327					ND	
72 Ethylene Dibromide	107		17.611					ND	
* 73 Chlorobenzene-d5	117	18.515	18.520	-0.005	88	1539011	10.0	10.0	
74 Chlorobenzene	112		18.579					ND	
75 Ethylbenzene	91		18.724					ND	
76 n-Nonane	57		18.820					ND	
77 m-Xylene & p-Xylene	106		18.975					ND	
78 o-Xylene	106		19.783					ND	
79 Styrene	104		19.836					ND	
S 80 Xylenes, Total	106		20.000					ND	
81 Bromoform	173		20.243					ND	
82 Isopropylbenzene	105		20.414					ND	
* 83 4-Bromofluorobenzene	95	20.773	20.773	0.000	98	917120	10.0	10.0	
T 84 1,2-Dibromo-3-Chloropropan	75		20.846					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 1,1,2,2-Tetrachloroethane	83		21.040					ND	
86 N-Propylbenzene	91		21.094					ND	
87 1,2,3-Trichloropropane	75		21.136					ND	
88 n-Decane	57		21.238					ND	
89 4-Ethyltoluene	105		21.276					ND	
90 2-Chlorotoluene	91		21.297					ND	
91 1,3,5-Trimethylbenzene	105		21.372					ND	
92 Alpha Methyl Styrene	118		21.730					ND	
93 tert-Butylbenzene	119		21.848					ND	
94 1,2,4-Trimethylbenzene	105		21.939					ND	
95 sec-Butylbenzene	105		22.158					ND	
96 4-Isopropyltoluene	119		22.356					ND	
97 1,3-Dichlorobenzene	146		22.404					ND	
98 1,4-Dichlorobenzene	146		22.543					ND	
99 Benzyl chloride	91		22.747					ND	
100 Undecane	57		22.945					ND	
101 n-Butylbenzene	91		22.950					ND	
102 1,2-Dichlorobenzene	146		23.105					ND	
103 Dodecane	57		24.608					ND	
104 1,2,4-Trichlorobenzene	180		25.759					ND	
105 Hexachlorobutadiene	225		25.940					ND	
106 Naphthalene	128		26.294					ND	
107 1,2,3-Trichlorobenzene	180		26.807					ND	
T 117 1,3-Dichloropropane TIC	1		0.000					ND	
T 109 Methyl acetylene TIC	1		0.000					ND	
T 108 1,1,1,2-Tetrachloroethane	1		0.000					ND	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

ATTO15GIS_00009 Amount Added: 20.00 Units: mL Run Reagent

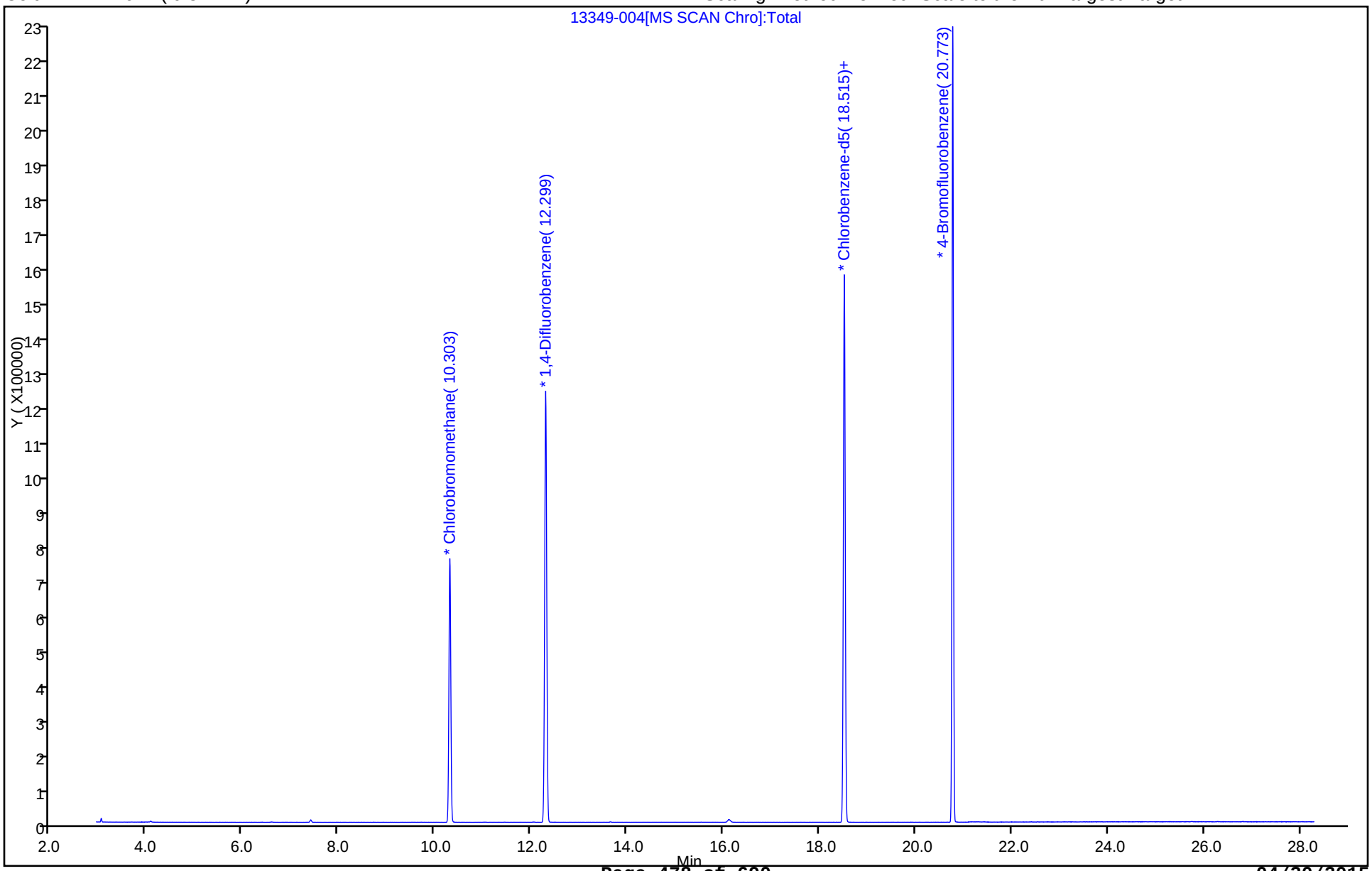
Report Date: 29-Apr-2015 15:15:21 Chrom Revision: 2.2 09-Apr-2015 10:05:40

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHX.i\20150429-13349.b\13349-004.D

Injection Date:	29-Apr-2015 13:33:30	Instrument ID:	CHX.i	Operator ID:	wrd
Lims ID:	MB			Worklist Smp#:	4
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	TO15_LLNJ_TO3_CHX.i.m	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.: 200-27725-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 200-87597/3

Matrix: Air Lab File ID: 13349-003.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 04/29/2015 12:44

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 87597 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
75-71-8	Dichlorodifluoromethane	120.91	10.3		0.50	0.056
75-45-6	Freon 22	86.47	10.9		0.50	0.080
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	12.0		0.20	0.052
74-87-3	Chloromethane	50.49	10.7		0.50	0.060
106-97-8	n-Butane	58.12	10.9		0.50	0.18
75-01-4	Vinyl chloride	62.50	11.1		0.20	0.026
106-99-0	1,3-Butadiene	54.09	10.9		0.20	0.036
74-83-9	Bromomethane	94.94	11.0		0.20	0.044
75-00-3	Chloroethane	64.52	10.2		0.50	0.061
593-60-2	Bromoethene(Vinyl Bromide)	106.96	9.99		0.20	0.020
75-69-4	Trichlorofluoromethane	137.37	9.92		0.20	0.045
76-13-1	Freon TF	187.38	10.5		0.20	0.041
75-35-4	1,1-Dichloroethene	96.94	10.4		0.20	0.010
67-64-1	Acetone	58.08	10.4		5.0	0.69
67-63-0	Isopropyl alcohol	60.10	8.80		5.0	0.15
75-15-0	Carbon disulfide	76.14	12.5		0.50	0.030
107-05-1	3-Chloropropene	76.53	9.23		0.50	0.16
75-09-2	Methylene Chloride	84.93	10.3		0.50	0.12
75-65-0	tert-Butyl alcohol	74.12	8.96		5.0	0.12
1634-04-4	Methyl tert-butyl ether	88.15	10.1		0.20	0.022
156-60-5	trans-1,2-Dichloroethene	96.94	11.3		0.20	0.027
110-54-3	n-Hexane	86.17	11.0		0.20	0.028
75-34-3	1,1-Dichloroethane	98.96	10.6		0.20	0.028
78-93-3	Methyl Ethyl Ketone	72.11	9.17		0.50	0.092
156-59-2	cis-1,2-Dichloroethene	96.94	9.88		0.20	0.030
540-59-0	1,2-Dichloroethene, Total	96.94	21.2		0.20	0.053
67-66-3	Chloroform	119.38	10.0		0.20	0.038
109-99-9	Tetrahydrofuran	72.11	11.6		5.0	0.18
71-55-6	1,1,1-Trichloroethane	133.41	10.6		0.20	0.030
110-82-7	Cyclohexane	84.16	10.7		0.20	0.010
56-23-5	Carbon tetrachloride	153.81	10.3		0.20	0.011
540-84-1	2,2,4-Trimethylpentane	114.23	10.6		0.20	0.023
71-43-2	Benzene	78.11	10.6		0.20	0.029
107-06-2	1,2-Dichloroethane	98.96	10.5		0.20	0.052

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

Lab Name: TestAmerica Burlington Job No.: 200-27725-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 200-87597/3

Matrix: Air Lab File ID: 13349-003.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 04/29/2015 12:44

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 87597 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
142-82-5	n-Heptane	100.21	10.3		0.20	0.037
79-01-6	Trichloroethene	131.39	9.79		0.20	0.030
80-62-6	Methyl methacrylate	100.12	9.32		0.50	0.096
78-87-5	1,2-Dichloropropane	112.99	9.42		0.20	0.035
123-91-1	1,4-Dioxane	88.11	8.07		5.0	0.16
75-27-4	Bromodichloromethane	163.83	9.70		0.20	0.029
10061-01-5	cis-1,3-Dichloropropene	110.97	9.46		0.20	0.029
108-10-1	methyl isobutyl ketone	100.16	9.21		0.50	0.18
108-88-3	Toluene	92.14	9.85		0.20	0.025
10061-02-6	trans-1,3-Dichloropropene	110.97	9.00		0.20	0.026
79-00-5	1,1,2-Trichloroethane	133.41	10.3		0.20	0.037
127-18-4	Tetrachloroethene	165.83	9.76		0.20	0.030
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	9.39		0.50	0.17
124-48-1	Dibromochloromethane	208.29	9.80		0.20	0.020
106-93-4	1,2-Dibromoethane	187.87	10.1		0.20	0.018
108-90-7	Chlorobenzene	112.56	9.82		0.20	0.018
100-41-4	Ethylbenzene	106.17	10.0		0.20	0.020
179601-23-1	m,p-Xylene	106.17	20.1		0.50	0.025
95-47-6	Xylene, o-	106.17	9.62		0.20	0.018
1330-20-7	Xylene (total)	106.17	29.7		0.20	0.041
100-42-5	Styrene	104.15	9.78		0.20	0.016
75-25-2	Bromoform	252.75	10.1		0.20	0.025
98-82-8	Cumene	120.19	9.68		0.20	0.019
79-34-5	1,1,2,2-Tetrachloroethane	167.85	10.4		0.20	0.034
103-65-1	n-Propylbenzene	120.19	10.0		0.20	0.027
622-96-8	4-Ethyltoluene	120.20	10.4		0.20	0.020
108-67-8	1,3,5-Trimethylbenzene	120.20	9.84		0.20	0.019
95-49-8	2-Chlorotoluene	126.59	10.1		0.20	0.031
98-06-6	tert-Butylbenzene	134.22	9.66		0.20	0.020
95-63-6	1,2,4-Trimethylbenzene	120.20	9.94		0.20	0.016
135-98-8	sec-Butylbenzene	134.22	9.97		0.20	0.021
99-87-6	4-Isopropyltoluene	134.22	9.84		0.20	0.020
541-73-1	1,3-Dichlorobenzene	147.00	10.2		0.20	0.020
106-46-7	1,4-Dichlorobenzene	147.00	10.1		0.20	0.019

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

Lab Name: TestAmerica Burlington Job No.: 200-27725-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 200-87597/3

Matrix: Air Lab File ID: 13349-003.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 04/29/2015 12:44

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 87597 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	LOQ	DL
100-44-7	Benzyl chloride	126.58	9.24		0.20	0.018
104-51-8	n-Butylbenzene	134.22	10.9		0.20	0.028
95-50-1	1,2-Dichlorobenzene	147.00	10.1		0.20	0.018
120-82-1	1,2,4-Trichlorobenzene	181.45	9.57		0.50	0.034
87-68-3	Hexachlorobutadiene	260.76	9.56		0.20	0.036
91-20-3	Naphthalene	128.17	9.30		0.50	0.030

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHX.i\20150429-13349.b\13349-003.D
Lims ID: lcs
Client ID:
Sample Type: LCS
Inject. Date: 29-Apr-2015 12:44:30 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0013349-003
Misc. Info.: lcs
Operator ID: wrd Instrument ID: CHX.i

Method: \\BTV-LIMS1\ChromData\CHX.i\20150429-13349.b\TO15_LLNJ_TO3_CHX.i.m.m
Limit Group: AI_TO15_ICAL
Last Update: 29-Apr-2015 13:28:43 Calib Date: 20-Mar-2015 00:18:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHX.i\20150319-12677.b\12677-011.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK037

First Level Reviewer: lyonsb Date: 29-Apr-2015 13:29:34

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	3.044	3.044	0.000	98	162540	10.0	10.5	
2 Dichlorodifluoromethane	85	3.113	3.113	0.000	99	750196	10.0	10.3	
3 Chlorodifluoromethane	51	3.161	3.167	-0.006	97	382296	10.0	10.9	
4 1,2-Dichloro-1,1,2,2-tetra	85	3.375	3.375	0.000	97	850552	10.0	12.0	
5 Chloromethane	50	3.520	3.520	0.000	99	206322	10.0	10.7	
6 Butane	43	3.712	3.712	0.000	98	323690	10.0	10.9	
7 Vinyl chloride	62	3.761	3.761	0.000	98	255722	10.0	11.1	
8 Butadiene	54	3.830	3.835	-0.005	93	167242	10.0	10.9	
$ 19 BFB									
9 Bromomethane	94	4.510	4.510	0.000	99	226801	10.0	11.0	
10 Chloroethane	64	4.740	4.740	0.000	99	95528	10.0	10.2	
11 2-Methylbutane	43	4.798	4.798	0.000	90	180174	10.0	10.2	
12 Vinyl bromide	106	5.125	5.125	0.000	99	306352	10.0	9.99	
13 Trichlorofluoromethane	101	5.216	5.216	0.000	98	777944	10.0	9.92	
14 Pentane	43	5.349	5.349	0.000	96	407447	10.0	11.4	
15 Ethanol	45	5.788	5.788	0.000	98	147573	15.0	15.0	
16 Ethyl ether	59	5.863	5.863	0.000	95	201445	10.0	11.9	
17 Acrolein	56	6.270	6.270	0.000	40	78740	10.0	10.1	
18 1,1,2-Trichloro-1,2,2-trif	101	6.270	6.270	0.000	97	632493	10.0	10.5	
20 1,1-Dichloroethene	96	6.328	6.328	0.000	95	294042	10.0	10.4	
21 Acetone	43	6.575	6.575	0.000	89	331844	10.0	10.4	
22 Carbon disulfide	76	6.724	6.724	0.000	98	900120	10.0	12.5	
23 Isopropyl alcohol	45	6.847	6.847	0.000	99	263643	10.0	8.80	
24 3-Chloro-1-propene	41	7.110	7.115	-0.005	91	236375	10.0	9.23	
25 Acetonitrile	41	7.265	7.265	0.000	100	164548	10.0	11.7	
26 Methylene Chloride	49	7.409	7.409	0.000	86	271408	10.0	10.3	
28 2-Methyl-2-propanol	59	7.618	7.618	0.000	99	437979	10.0	8.96	
29 Methyl tert-butyl ether	73	7.794	7.794	0.000	96	809935	10.0	10.1	
30 trans-1,2-Dichloroethene	61	7.837	7.837	0.000	92	419004	10.0	11.3	
31 Acrylonitrile	53	8.014	8.014	0.000	95	190923	10.0	11.2	
32 Hexane	57	8.206	8.206	0.000	88	430251	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
33 1,1-Dichloroethane	63	8.720	8.720	0.000	99	518648	10.0	10.6	
34 Vinyl acetate	43	8.784	8.784	0.000	99	614576	10.0	10.5	
35 cis-1,2-Dichloroethene	96	9.838	9.838	0.000	96	353099	10.0	9.88	
36 2-Butanone (MEK)	72	9.881	9.886	-0.005	99	156593	10.0	9.17	
37 Ethyl acetate	88	9.913	9.913	0.000	100	28441	10.0	10.6	
S 38 1,2-Dichloroethene, Total	61				0		20.0	21.2	
39 Tetrahydrofuran	42	10.298	10.298	0.000	88	280180	10.0	11.6	
* 40 Chlorobromomethane	128	10.309	10.314	-0.005	81	347963	10.0	10.0	
41 Chloroform	83	10.437	10.437	0.000	100	677026	10.0	10.0	
42 Cyclohexane	84	10.678	10.678	0.000	87	467243	10.0	10.7	
43 1,1,1-Trichloroethane	97	10.715	10.715	0.000	97	699819	10.0	10.6	
44 Carbon tetrachloride	117	10.961	10.967	-0.006	97	743817	10.0	10.3	
45 Isooctane	57	11.389	11.395	-0.006	99	1532629	10.0	10.6	
46 Benzene	78	11.448	11.448	0.000	94	1064111	10.0	10.6	
47 1,2-Dichloroethane	62	11.646	11.646	0.000	97	395313	10.0	10.5	
48 n-Heptane	43	11.785	11.785	0.000	88	490630	10.0	10.3	
* 50 1,4-Difluorobenzene	114	12.304	12.304	0.000	93	1710259	10.0	10.0	
51 n-Butanol	56	12.679	12.684	-0.005	84	159761	10.0	9.18	
52 Trichloroethene	95	12.786	12.786	0.000	97	467387	10.0	9.79	
53 1,2-Dichloropropane	63	13.379	13.379	0.000	92	337044	10.0	9.42	
54 Methyl methacrylate	69	13.529	13.529	0.000	83	342287	10.0	9.32	
55 1,4-Dioxane	88	13.593	13.593	0.000	87	142568	10.0	8.07	
56 Dibromomethane	174	13.652	13.652	0.000	91	500870	10.0	9.12	
57 Dichlorobromomethane	83	13.952	13.957	-0.005	99	706806	10.0	9.70	
58 cis-1,3-Dichloropropene	75	14.931	14.931	0.000	90	541303	10.0	9.46	
A 60 TVOC as Toluene	1	15.016	(3.012-27.021)		0	220483640	10.0	2551.4	
61 4-Methyl-2-pentanone (MIBK	43	15.214	15.220	-0.006	95	599212	10.0	9.21	
A 63 Toluene Range	1		(15.525-15.545)				ND	ND	
62 Toluene	92	15.535	15.535	0.000	93	761889	10.0	9.85	
66 n-Octane	43	15.567	15.567	0.000	87	661097	10.0	9.56	
A 64 C8 Range	1		(15.557-15.577)				ND	ND	
A 65 GRO	1	15.567	(15.567-15.567)		0	5758995	10.0	0	
67 trans-1,3-Dichloropropene	75	16.156	16.156	0.000	96	554194	10.0	9.00	
68 1,1,2-Trichloroethane	83	16.546	16.546	0.000	96	366890	10.0	10.3	
69 Tetrachloroethene	166	16.643	16.637	0.006	97	758719	10.0	9.76	
70 2-Hexanone	43	16.985	16.985	0.000	94	587344	10.0	9.39	
71 Chlorodibromomethane	129	17.333	17.327	0.006	98	813692	10.0	9.80	
72 Ethylene Dibromide	107	17.611	17.611	0.000	99	721274	10.0	10.1	
* 73 Chlorobenzene-d5	117	18.520	18.520	0.000	83	1530269	10.0	10.0	
74 Chlorobenzene	112	18.579	18.579	0.000	97	1093853	10.0	9.82	
75 Ethylbenzene	91	18.724	18.724	0.000	97	1713233	10.0	10.0	
76 n-Nonane	57	18.820	18.820	0.000	84	689609	10.0	9.77	
77 m-Xylene & p-Xylene	106	18.975	18.975	0.000	99	1423225	20.0	20.1	
78 o-Xylene	106	19.783	19.783	0.000	95	673381	10.0	9.62	
79 Styrene	104	19.836	19.836	0.000	97	1072831	10.0	9.78	
S 80 Xylenes, Total	106				0		30.0	29.7	
81 Bromoform	173	20.243	20.243	0.000	99	901741	10.0	10.1	
82 Isopropylbenzene	105	20.414	20.414	0.000	95	2002940	10.0	9.68	
* 83 4-Bromofluorobenzene	95	20.773	20.773	0.000	98	1079120	10.0	10.0	
85 1,1,2,2-Tetrachloroethane	83	21.040	21.040	0.000	98	981856	10.0	10.4	
86 N-Propylbenzene	91	21.099	21.094	0.005	99	2380927	10.0	10.0	
87 1,2,3-Trichloropropane	75	21.136	21.136	0.000	95	723749	10.0	9.67	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
88 n-Decane	57	21.238	21.238	0.000	86	901161	10.0	9.85	
89 4-Ethyltoluene	105	21.276	21.276	0.000	98	2142094	10.0	10.4	
90 2-Chlorotoluene	91	21.292	21.297	-0.005	97	1669286	10.0	10.1	
91 1,3,5-Trimethylbenzene	105	21.372	21.372	0.000	94	1721300	10.0	9.84	
92 Alpha Methyl Styrene	118	21.730	21.730	0.000	91	890111	10.0	9.86	
93 tert-Butylbenzene	119	21.848	21.848	0.000	95	1674096	10.0	9.66	
94 1,2,4-Trimethylbenzene	105	21.939	21.939	0.000	97	1745018	10.0	9.94	
95 sec-Butylbenzene	105	22.158	22.158	0.000	99	2507940	10.0	9.97	
96 4-Isopropyltoluene	119	22.356	22.356	0.000	98	2193345	10.0	9.84	
97 1,3-Dichlorobenzene	146	22.404	22.404	0.000	98	1336724	10.0	10.2	
98 1,4-Dichlorobenzene	146	22.543	22.543	0.000	97	1328369	10.0	10.1	
99 Benzyl chloride	91	22.747	22.747	0.000	99	1364218	10.0	9.24	
100 Undecane	57	22.945	22.945	0.000	93	1051196	10.0	10.9	
101 n-Butylbenzene	91	22.950	22.950	0.000	96	2002089	10.0	10.9	
102 1,2-Dichlorobenzene	146	23.105	23.105	0.000	98	1256418	10.0	10.1	
103 Dodecane	57	24.608	24.608	0.000	93	848115	10.0	10.7	
104 1,2,4-Trichlorobenzene	180	25.759	25.759	0.000	94	1041390	10.0	9.57	
105 Hexachlorobutadiene	225	25.940	25.940	0.000	98	1066404	10.0	9.56	
106 Naphthalene	128	26.294	26.294	0.000	99	1930524	10.0	9.30	
107 1,2,3-Trichlorobenzene	180	26.802	26.807	-0.005	96	892920	10.0	10.0	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

7 - Failed Limit of Detection

Reagents:

ATTO15LCSW_00474	Amount Added: 200.00	Units: mL	
ATTO15GIS_00009	Amount Added: 20.00	Units: mL	Run Reagent

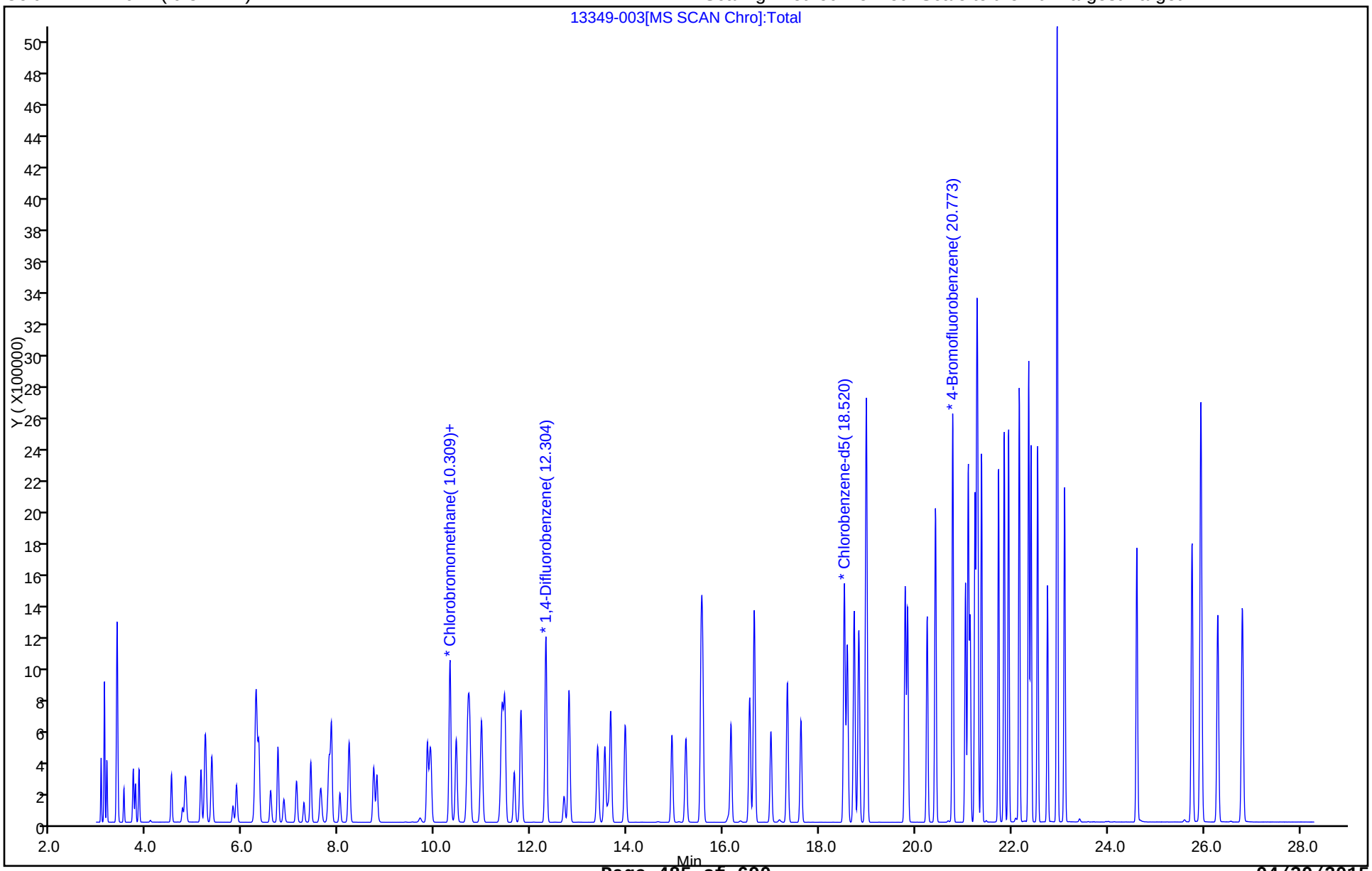
Report Date: 29-Apr-2015 13:29:38 Chrom Revision: 2.2 09-Apr-2015 10:05:40

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHX.i\20150429-13349.b\13349-003.D

Injection Date:	29-Apr-2015 12:44:30	Instrument ID:	CHX.i	Operator ID:	wrd
Lims ID:	lcs			Worklist Smp#:	3
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	TO15_LLNJ_TO3_CHX.i.m	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.: 200-27725-1

SDG No.:

Instrument ID: CHX.i Start Date: 03/19/2015 16:11

Analysis Batch Number: 85787 End Date: 03/20/2015 10:29

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-85787/1		03/19/2015 16:11	1	12677-001.D	RTX-624 0.32(mm)
VIBLK 200-85787/2		03/19/2015 16:56	1		RTX-624 0.32(mm)
VIBLK 200-85787/3		03/19/2015 17:45	1		RTX-624 0.32(mm)
IC 200-85787/4		03/19/2015 18:34	1	12677-004.D	RTX-624 0.32(mm)
IC 200-85787/5		03/19/2015 19:23	1	12677-005.D	RTX-624 0.32(mm)
IC 200-85787/6		03/19/2015 20:12	1	12677-006.D	RTX-624 0.32(mm)
IC 200-85787/7		03/19/2015 21:01	1	12677-007.D	RTX-624 0.32(mm)
ICIS 200-85787/8		03/19/2015 21:50	1	12677-008.D	RTX-624 0.32(mm)
IC 200-85787/9		03/19/2015 22:39	1	12677-009.D	RTX-624 0.32(mm)
IC 200-85787/10		03/19/2015 23:28	1	12677-010.D	RTX-624 0.32(mm)
IC 200-85787/11		03/20/2015 00:18	1	12677-011.D	RTX-624 0.32(mm)
VIBLK 200-85787/12		03/20/2015 01:07	1		RTX-624 0.32(mm)
VIBLK 200-85787/13		03/20/2015 01:57	1		RTX-624 0.32(mm)
VIBLK 200-85787/14		03/20/2015 02:45	1		RTX-624 0.32(mm)
ZZZZZ		03/20/2015 03:34	1		RTX-624 0.32(mm)
VIBLK 200-85787/16		03/20/2015 04:24	1		RTX-624 0.32(mm)
ZZZZZ		03/20/2015 05:13	1		RTX-624 0.32(mm)
ZZZZZ		03/20/2015 06:02	1		RTX-624 0.32(mm)
ICV 200-85787/19		03/20/2015 09:46	1	12677-019.D	RTX-624 0.32(mm)
ZZZZZ		03/20/2015 10:29	1		RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-27725-1

SDG No.:

Instrument ID: CHX.i Start Date: 04/29/2015 11:07

Analysis Batch Number: 87597 End Date: 04/30/2015 08:51

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-87597/1		04/29/2015 11:07	1	13349-001.D	RTX-624 0.32(mm)
CCVIS 200-87597/2		04/29/2015 11:55	1	13349-002.D	RTX-624 0.32(mm)
LCS 200-87597/3		04/29/2015 12:44	1	13349-003.D	RTX-624 0.32(mm)
MB 200-87597/4		04/29/2015 13:33	1	13349-004.D	RTX-624 0.32(mm)
ZZZZZ		04/29/2015 14:22	1		RTX-624 0.32(mm)
ZZZZZ		04/29/2015 15:11	1		RTX-624 0.32(mm)
ZZZZZ		04/29/2015 16:00	10		RTX-624 0.32(mm)
ZZZZZ		04/29/2015 16:49	1		RTX-624 0.32(mm)
ZZZZZ		04/29/2015 17:38	1		RTX-624 0.32(mm)
200-27725-1	101VMP0101GA	04/29/2015 18:27	1.6	13349-010.D	RTX-624 0.32(mm)
200-27725-2	101VMP0201GA	04/29/2015 19:17	5	13349-011.D	RTX-624 0.32(mm)
200-27725-3	101VMP0301GA	04/29/2015 20:06	24.6	13349-012.D	RTX-624 0.32(mm)
200-27725-4	101VMP0101GC	04/29/2015 20:55	1	13349-013.D	RTX-624 0.32(mm)
ZZZZZ		04/29/2015 21:44	1		RTX-624 0.32(mm)
ZZZZZ		04/29/2015 22:34	1		RTX-624 0.32(mm)
200-27725-7	101OA0305GA	04/29/2015 23:23	1	13349-016.D	RTX-624 0.32(mm)
200-27725-8	101CA01GA	04/30/2015 00:12	1	13349-017.D	RTX-624 0.32(mm)
200-27725-9	042215TB	04/30/2015 01:02	1	13349-018.D	RTX-624 0.32(mm)
ZZZZZ		04/30/2015 01:59	0.2		RTX-624 0.32(mm)
ZZZZZ		04/30/2015 02:56	0.2		RTX-624 0.32(mm)
200-27725-5	101IA0305GA	04/30/2015 08:01	8	13349-021.D	RTX-624 0.32(mm)
200-27725-6	101IA0405GA	04/30/2015 08:51	5	13349-022.D	RTX-624 0.32(mm)

Post-Sampling Air Canister Pressure Check Record

Client ID	TALS Job	Date	Time (Military)	Lab BP ("Hg)	Lab Temp (°C)	Pressure Gauge ID	Analyst
FPM REMEDIATION	200-27725	4/28/15	1345	29.6	22	69	KG

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 Check[4] Reference	FC Return (Y/N)	Can Cert Batch ID	Comments
1	5132	-3.7	N	4630	64/92	Y		200 mL/m
2	3639	-5.0		4626	64/96			
3	4800	-3.3		4978	64/87			
4	5039	-3.4		5371	64/92			
5	3529	-3.8		4768	65/8			
6	4866	-3.7		4048	65/7			
7	4455	-2.1		4758	65/8			
8	4075	-2.7						
9	5896	-29.4						TB

KG 4/28/15

[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.

[4] Record the Flow Controller Set Flow Rate Logbook ID and Page number in which the original FC Check was recorded

Internal Use Only: Flow Controller Date and Page #

Summa Canister Dilution Worksheet

Client: FPM Remediations Inc

Job No.: 200-27725-1

Lab Sample ID	Canister Volume (L)	Preadjusted Pressure ("Hg)	Preadjusted Pressure (atm)	Preadjusted Volume (L)	Adjusted Pressure (psig)	Adjusted Pressure (atm)	Adjusted Volume (L)	Initial Volume (mL)	Dilution Factor	Final Dilution Factor	Date	Analyst
200-27725-3	6	-3.3	0.89	5.34	33.5	3.28	19.67		3.69	3.69	04/29/15 13:53	Lyons, Benjamin P

Formulae:

Preadjusted Volume (L) = (Preadjusted Pressure ("Hg) + 29.92 "Hg * Vol L) / 29.92 "Hg

Adjusted Volume (L) = (Adjusted Pressure (psig) + 14.7 psig * Vol L) / 14.7 psig

Dilution Factor = Adjusted Volume (L) / Preadjusted Volume (L)

Where:

29.92 "Hg = Standard atmospheric pressure in inches of Mercury (“Hg)

14.7 psig = Standard atmospheric pressure in pounds per square inch gauge (psig)

200-27201-A-9
4557
Location: Air-Storage
Bottle: Summa Canister 6L
Sampled: 3/21/2015 12:00 AM 200-773379

Loc: 200
27201
#9
A

Pre-Shipment Clean Canister Certification Report

Certification Type: X Batch ☐ Individual

Canister Cleaning & Pre-Shipment Leak Test

System ID	# Cycles	Cleaning Date	Technician	Canister Size		
TO	25	3/24/15	MF	(6L)	1L	3L

Leak Test

Port	Can ID	Initial[1] ("Hg)	Final ("Hg)	Adjusted Initial[2] ("Hg)	Difference[3]
1	3016		-29.3	-29.4	+0.1
2	5079		-29.7	-29.8	0.1
3	3611		-29.8	↓	0
X 4	3531		-29.3	-29.4	+0.1
X 5	5145		-29.2	-29.4	+0.2
X 6	5018		-29.5	-29.4	-0.1
7	2861		-29.6	-29.8	0.2
8	4455		-29.7	↓	0.1
9	4557	-19.5	-29.9	↓	-0.1
10	5415	↓	-29.4	↓	0.4
X 11	2988	↓	-29.6	-29.4	-0.2
12	4329	↓	-29.8	-29.8	0

Initial Reading		Final Reading		X
Gauge ID:	614	Gauge ID:	G14	G14
Date:	3/23/15	Date:	4/9/15	4/11/15
Time:	840	Time:	1656	1400
Tech:	MF	Tech:	BDL	MF
BP:	29.6 ("Hg)	BP:	29.9	29.5 ("Hg)
Temp	22 (℃)	Temp:	23	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
4557	3/25/15	12762	PAD				✓		3/25/15	ANL
4557	3/26/15	12780	PAD		✓				3/26/15	ANL

(0.04)

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: NJ LL & 0.04 Routine
DUAL Cert
used for 0.04 Routine only MF 4/11/15

BR-FAI023:10.19.09:7
TestAmerica

200-27310-A-11
4478

Bottle: Summa Canister 6L
Sampled: 3/30/2015 12:00 AM 200-775383

Loc: 200
524
27310
#11
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		
TOD	15	3/30/15	BDL	(6L)	1L	3L

Leak Test

Port	Can ID	Initial[1] ("Hg)	Final ("Hg)	Adjusted Initial[2] ("Hg)	Difference[3]
1	4458	↑	-29.2	-29.2	0
2	2880		-29.3		-0.1
3	5984		-29.5		-0.3
4	5039		-29.5	↓	-0.3
5	3397		-29.3	-29.2	-0.1
6	4075	-29.2	-29.5	-29.2	-0.3
7	4800	↓	-29.3	↓	-0.1
8	4023		-29.5		-0.3
9	5612		-29.5		-0.3
10	4866		-29.8	↓	-0.6
11	4478		-29.5	-29.2	-0.3
12	5132	↓	-29.5	-29.2	-0.3

Initial Reading		Final Reading	
Gauge ID: G14		Gauge ID: G14	
Date: 3/31/15		Date: 4/2/15	
Time: 1600		Time: 1955	
Tech: BDL		Tech: BDL	
BP: 29.4	("Hg)	BP: 29.4	("Hg)
Temp 23	(°C)	Temp: 24	(°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
4478	4/01/15	12884	PAD		✓				4/2/15	AWL

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

200-27311-A-7
3517

Loc: 200/525
27311
#7
A

Bottle: Summa Canister 6L
Sampled: 3/30/2015 12:00 AM 200-775391

Pre-Shipment Clean Canister Certification Report

Certification Type: ☑ Batch ☐ Individual

Canister Cleaning & Pre-Shipment Leak Test					
System ID	# Cycles	Cleaning Date	Technician	Canister Size	
Bottom	15	3/30/15	BDL	(6L)	1L 3L

Port	Can ID	Leak Test: Initial[1] ("Hg)	Final ("Hg)	Adjusted Initial[2] ("Hg)	Difference[3]
1	4793	^	-29.4	-29.2	-0.2
2	4307	|	-29.7	|	-0.5
3	4284	|	-29.5	|	-0.3
4	5126	|	-29.5	|	-0.3
5	2546	|	-29.4	|	-0.2
6	3639	-29.2	-29.4	↓	-0.2
7	3517	|	-29.4	-29.2	-0.2
8	2585	|	-29.4	-29.2	-0.2
9	5118	|	-29.4	|	|
10	3529	|	-29.4	|	|
11	2878	|	-29.4	↓	↓
12	3474	↓	-29.5	-29.2	-0.3

Initial Reading		Final Reading	
Gauge ID: G14		Gauge ID: G14	
Date: 3/31/15		Date: 4/2/15	
Time: 1555		Time: 2010	
Tech: BDL		Tech: BDL	
BP: 29.4	("Hg)	BP: 29.4	("Hg)
Temp 23	(°C)	Temp: 24	(°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
3517	4/01/15	12884	PAD		✓				4/2/15	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: Routine

200-27312-A-6
3283

Loc: 200 526
27312
#6
A

Pre-Shipment Clean Canister Certification Report

Bottle: Summa Canister 6L
Sampled: 3/30/2015 12:00 AM 200-775402

Certification Type: ☑ Batch ☐ Individual

Canister Cleaning & Pre-Shipment Leak Test

System ID	# Cycles	Cleaning Date	Technician	Canister Size		
Oven 3/4	32	3/30/15	BDL	(6L)	1L	3L

Port	Can ID	Leak Test: Initial[1] ("Hg)	Final ("Hg)	Adjusted Initial[2] ("Hg)	Difference[3]
1	2692	↑	-29.3	-29.3	0
2	4289	|	-29.3	|	0
3	5611	|	-29.3	|	0
4	3411	|	-29.3	|	0
5	5896	|	-29.5	|	-0.2
~~6~~	3283	-29.2	-29.2	-29.1	-0.1
7	4240	|	-29.6	|	-0.3
8	5129	Leak	|	|	|
9	3338	|	-29.3	|	0
10	4635	|	-29.4	|	-0.1
~~11~~	5961	|	-29.0	-29.1	+0.1
12	2737	✓	-29.2	✓	+0.1

Initial Reading	Final Reading
Gauge ID: G14	Gauge ID: G14 / GH
Date: 3/31/15	Date: 4/2/15 / 4/3/15
Time: 1938	Time: 1500 / 1515
Tech: BDL	Tech: MS / MF
BP: 29.5 ("Hg)	BP: ~~29.5~~ 29.6 / 29.4 ("Hg)
Temp 23 (℃)	Temp: 27 / 23 (℃)

[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
3283	3/31/15	12883	WRD		✓				4/1/15	AMH

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.: 200-27201-1

SDG No.:

Matrix: Air Level: Low Lab File ID: 12780_03.D

Lab ID: LCS 200-86038/3 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Propylene	10.0	8.70	87	70-130	
Dichlorodifluoromethane	10.0	7.55	75	70-130	
Freon 22	10.0	8.40	84	70-130	
1,2-Dichlorotetrafluoroethane	10.0	8.98	90	70-130	
Chloromethane	10.0	8.92	89	70-130	
n-Butane	10.0	8.75	87	70-130	
Vinyl chloride	10.0	8.63	86	70-130	
1,3-Butadiene	10.0	8.72	87	70-130	
Bromomethane	10.0	8.06	81	70-130	
Chloroethane	10.0	8.27	83	70-130	
Bromoethene(Vinyl Bromide)	10.0	8.86	89	70-130	
Trichlorofluoromethane	10.0	7.40	74	70-130	
Ethanol	15.0	11.7	78	70-130	
Freon TF	10.0	8.47	85	70-130	
1,1-Dichloroethene	10.0	8.84	88	70-130	
Acetone	10.0	8.39	84	70-130	
Isopropyl alcohol	10.0	8.88	89	70-130	
Carbon disulfide	10.0	9.70	97	70-130	
3-Chloropropene	10.0	8.74	87	70-130	
Methylene Chloride	10.0	8.58	86	70-130	
tert-Butyl alcohol	10.0	8.89	89	70-130	
Methyl tert-butyl ether	10.0	9.13	91	70-130	
trans-1,2-Dichloroethene	10.0	9.41	94	70-130	
n-Hexane	10.0	10.0	100	70-130	
1,1-Dichloroethane	10.0	9.50	95	70-130	
Vinyl acetate	10.0	9.49	95	70-130	
Ethyl acetate	10.0	10.4	104	70-130	
Methyl Ethyl Ketone	10.0	8.95	90	70-130	
cis-1,2-Dichloroethene	10.0	9.53	95	70-130	
Chloroform	10.0	9.10	91	70-130	
Tetrahydrofuran	10.0	9.81	98	70-130	
1,1,1-Trichloroethane	10.0	8.35	84	70-130	
Cyclohexane	10.0	9.65	97	70-130	
Carbon tetrachloride	10.0	8.23	82	70-130	
2,2,4-Trimethylpentane	10.0	9.68	97	70-130	
Benzene	10.0	9.23	92	70-130	
1,2-Dichloroethane	10.0	8.56	86	70-130	
n-Heptane	10.0	9.40	94	70-130	
Trichloroethene	10.0	9.33	93	70-130	
Methyl methacrylate	10.0	9.96	100	70-130	
1,2-Dichloropropane	10.0	9.74	97	70-130	
1,4-Dioxane	10.0	9.34	93	70-130	

Column to be used to flag recovery and RPD values

FORM III TO-15

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

Lab Name: TestAmerica Burlington Job No.: 200-27201-1

SDG No.:

Matrix: Air Level: Low Lab File ID: 12780_03.D

Lab ID: LCS 200-86038/3 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Bromodichloromethane	10.0	8.90	89	70-130	
cis-1,3-Dichloropropene	10.0	10.1	101	70-130	
methyl isobutyl ketone	10.0	9.18	92	70-130	
Toluene	10.0	8.91	89	70-130	
trans-1,3-Dichloropropene	10.0	8.74	87	70-130	
1,1,2-Trichloroethane	10.0	8.55	86	70-130	
Tetrachloroethene	10.0	8.73	87	70-130	
Methyl Butyl Ketone (2-Hexanone)	10.0	8.17	82	70-130	
Dibromochloromethane	10.0	8.09	81	70-130	
1,2-Dibromoethane	10.0	8.66	87	70-130	
Chlorobenzene	10.0	8.84	88	70-130	
Ethylbenzene	10.0	8.33	83	70-130	
m,p-Xylene	20.0	17.3	86	70-130	
Xylene, o-	10.0	8.77	88	70-130	
Styrene	10.0	9.52	95	70-130	
Bromoform	10.0	7.78	78	70-130	
Cumene	10.0	8.33	83	70-130	
1,1,2,2-Tetrachloroethane	10.0	8.43	84	70-130	
n-Propylbenzene	10.0	8.04	80	70-130	
4-Ethyltoluene	10.0	8.49	85	70-130	
1,3,5-Trimethylbenzene	10.0	8.23	82	70-130	
2-Chlorotoluene	10.0	7.72	77	70-130	
tert-Butylbenzene	10.0	8.33	83	70-130	
1,2,4-Trimethylbenzene	10.0	8.28	83	70-130	
sec-Butylbenzene	10.0	8.36	84	70-130	
4-Isopropyltoluene	10.0	8.55	85	70-130	
1,3-Dichlorobenzene	10.0	8.69	87	70-130	
1,4-Dichlorobenzene	10.0	8.55	86	70-130	
Benzyl chloride	10.0	8.13	81	70-130	
n-Butylbenzene	10.0	7.95	80	70-130	
1,2-Dichlorobenzene	10.0	8.60	86	70-130	
1,2,4-Trichlorobenzene	10.0	7.84	78	70-130	
Hexachlorobutadiene	10.0	8.31	83	70-130	
Naphthalene	10.0	7.35	74	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.: 200-27201-1

SDG No.:

Matrix: Air Level: Low Lab File ID: 12762_05.D

Lab ID: LCS 200-86009/5 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
1,2-Dichlorotetrafluoroethane	0.200	0.190 J	95	60-140	
Vinyl chloride	0.200	0.176 J	88	60-140	
1,3-Butadiene	0.200	0.164 J	82	60-140	
Bromomethane	0.200	0.203 J	101	60-140	
Vinyl bromide	0.200	0.197 J	98	60-140	
Trichlorofluoromethane	0.200	0.200 J	100	60-140	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.200	0.199 J	99	60-140	
1,1-Dichloroethene	0.200	0.202 J	101	60-140	
Allyl chloride	0.200	0.191 J	95	60-140	
Methyl tert-butyl ether	0.200	0.186 J	93	60-140	
1,2-Dichloroethene, trans-	0.200	0.193 J	96	60-140	
n-Hexane	0.200	0.252 J	126	60-140	
1,1-Dichloroethane	0.200	0.197 J	98	60-140	
1,2-Dichloroethene, cis-	0.200	0.198 J	99	60-140	
Chloroform	0.200	0.196 J	98	60-140	
1,1,1-Trichloroethane	0.200	0.187 J	94	60-140	
Cyclohexane	0.200	0.189 J	94	60-140	
Carbon tetrachloride	0.200	0.175 J	87	60-140	
2,2,4-Trimethylpentane	0.200	0.189 J	94	60-140	
Benzene	0.200	0.208 J	104	60-140	
1,2-Dichloroethane	0.200	0.194 J	97	60-140	
n-Heptane	0.200	0.234 J	117	60-140	
Trichloroethene	0.200	0.193 J	96	60-140	
1,2-Dichloropropane	0.200	0.196 J	98	60-140	
Bromodichloromethane	0.200	0.174 J	87	60-140	
1,3-Dichloropropene, cis-	0.200	0.170 J	85	60-140	
Toluene	0.200	0.193 J	96	60-140	
1,3-Dichloropropene, trans-	0.200	0.168 J	84	60-140	
1,1,2-Trichloroethane	0.200	0.184 J	92	60-140	
Tetrachloroethene	0.200	0.186 J	93	60-140	
Dibromochloromethane	0.200	0.158 J	79	60-140	
1,2-Dibromoethane	0.200	0.180 J	90	60-140	
Chlorobenzene	0.200	0.189 J	94	60-140	
Ethylbenzene	0.200	0.203 J	102	60-140	
m-Xylene & p-Xylene	0.401	0.379 J	95	60-140	
o-Xylene	0.200	0.181 J	91	60-140	
Styrene	0.200	0.162 J	81	60-140	
Bromoform	0.200	0.135 J	67	60-140	
1,1,2,2-Tetrachloroethane	0.200	0.192 J	96	60-140	
4-Ethyltoluene	0.200	0.188 J	94	60-140	
1,3,5-Trimethylbenzene	0.200	0.185 J	92	60-140	

Column to be used to flag recovery and RPD values

FORM III TO15LL/NJ

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

Lab Name: TestAmerica Burlington Job No.: 200-27201-1

SDG No.:

Matrix: Air Level: Low Lab File ID: 12762_05.D

Lab ID: LCS 200-86009/5 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
2-Chlorotoluene	0.200	0.193 J	96	60-140	
1,2,4-Trimethylbenzene	0.200	0.183 J	91	60-140	
1,3-Dichlorobenzene	0.200	0.179 J	89	60-140	
1,4-Dichlorobenzene	0.200	0.176 J	88	60-140	
1,2-Dichlorobenzene	0.200	0.185 J	92	60-140	
Hexachlorobutadiene	0.200	0.176 J	88	60-140	

Column to be used to flag recovery and RPD values

FORM III TO15LL/NJ

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

Lab Name: TestAmerica Burlington Job No.: 200-27201-1

SDG No.:

Matrix: Air Level: Low Lab File ID: 12762_06.D

Lab ID: LCS 200-86009/6 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Dichlorodifluoromethane	0.500	0.579 J	116	60-140	
Chloromethane	0.500	0.600 J	120	60-140	
Chloroethane	0.500	0.558 J	111	60-140	
Carbon disulfide	0.500	0.557 J	111	60-140	
Methylene Chloride	0.500	0.700 J	140	60-140	
Methyl Ethyl Ketone	0.500	0.829 J	166	60-140	*
Methyl methacrylate	0.500	0.483 J	97	60-140	
methyl isobutyl ketone	0.500	0.582 J	116	60-140	
1,2,4-Trichlorobenzene	0.500	0.437 J	87	60-140	
Naphthalene	0.500	0.515	103	60-140	

Column to be used to flag recovery and RPD values

FORM III TO15LL/NJ

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

Lab Name: TestAmerica Burlington Job No.: 200-27201-1

SDG No.:

Matrix: Air Level: Low Lab File ID: 12762_07.D

Lab ID: LCS 200-86009/7 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Acetone	4.99	5.94	119	60-140	
Isopropanol	4.99	5.57 J	112	60-140	
tert-Butyl alcohol	4.99	5.39	108	60-140	
Tetrahydrofuran	4.99	5.69	114	60-140	
1,4-Dioxane	4.99	5.36	107	60-140	

Column to be used to flag recovery and RPD values

FORM III TO15LL/NJ

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

Lab Name: TestAmerica Burlington Job No.: 200-27310-1

SDG No.:

Matrix: Air Level: Low Lab File ID: 12884_03.D

Lab ID: LCS 200-86252/3 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Propylene	10.0	8.86	89	70-130	
Dichlorodifluoromethane	10.0	7.40	74	70-130	
Freon 22	10.0	8.34	83	70-130	
1,2-Dichlorotetrafluoroethane	10.0	8.89	89	70-130	
Chloromethane	10.0	8.86	89	70-130	
n-Butane	10.0	8.99	90	70-130	
Vinyl chloride	10.0	8.62	86	70-130	
1,3-Butadiene	10.0	8.71	87	70-130	
Bromomethane	10.0	8.08	81	70-130	
Chloroethane	10.0	8.21	82	70-130	
Bromoethene(Vinyl Bromide)	10.0	9.03	90	70-130	
Trichlorofluoromethane	10.0	7.22	72	70-130	
Ethanol	15.0	11.0	73	70-130	
Freon TF	10.0	8.59	86	70-130	
1,1-Dichloroethene	10.0	8.98	90	70-130	
Acetone	10.0	8.77	88	70-130	
Isopropyl alcohol	10.0	8.90	89	70-130	
Carbon disulfide	10.0	9.99	100	70-130	
3-Chloropropene	10.0	8.94	89	70-130	
Methylene Chloride	10.0	8.73	87	70-130	
tert-Butyl alcohol	10.0	8.93	89	70-130	
Methyl tert-butyl ether	10.0	9.30	93	70-130	
trans-1,2-Dichloroethene	10.0	9.59	96	70-130	
n-Hexane	10.0	10.2	102	70-130	
1,1-Dichloroethane	10.0	9.73	97	70-130	
Vinyl acetate	10.0	9.78	98	70-130	
Ethyl acetate	10.0	10.6	106	70-130	
Methyl Ethyl Ketone	10.0	9.10	91	70-130	
cis-1,2-Dichloroethene	10.0	9.54	95	70-130	
Chloroform	10.0	9.24	92	70-130	
Tetrahydrofuran	10.0	9.98	100	70-130	
1,1,1-Trichloroethane	10.0	8.23	82	70-130	
Cyclohexane	10.0	9.62	96	70-130	
Carbon tetrachloride	10.0	7.83	78	70-130	
2,2,4-Trimethylpentane	10.0	9.97	100	70-130	
Benzene	10.0	9.40	94	70-130	
1,2-Dichloroethane	10.0	8.63	86	70-130	
n-Heptane	10.0	9.73	97	70-130	
Trichloroethene	10.0	9.40	94	70-130	
Methyl methacrylate	10.0	10.4	104	70-130	
1,2-Dichloropropane	10.0	10.1	101	70-130	
1,4-Dioxane	10.0	9.13	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.: 200-27310-1

SDG No.:

Matrix: Air Level: Low Lab File ID: 12884_03.D

Lab ID: LCS 200-86252/3 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Bromodichloromethane	10.0	8.90	89	70-130	
cis-1,3-Dichloropropene	10.0	10.4	104	70-130	
methyl isobutyl ketone	10.0	9.46	95	70-130	
Toluene	10.0	9.13	91	70-130	
trans-1,3-Dichloropropene	10.0	8.80	88	70-130	
1,1,2-Trichloroethane	10.0	8.80	88	70-130	
Tetrachloroethene	10.0	8.63	86	70-130	
Methyl Butyl Ketone (2-Hexanone)	10.0	8.53	85	70-130	
Dibromochloromethane	10.0	7.82	78	70-130	
1,2-Dibromoethane	10.0	8.71	87	70-130	
Chlorobenzene	10.0	8.85	88	70-130	
Ethylbenzene	10.0	8.53	85	70-130	
m,p-Xylene	20.0	17.5	87	70-130	
Xylene, o-	10.0	8.83	88	70-130	
Styrene	10.0	9.63	96	70-130	
Bromoform	10.0	7.31	73	70-130	
Cumene	10.0	8.39	84	70-130	
1,1,2,2-Tetrachloroethane	10.0	8.60	86	70-130	
n-Propylbenzene	10.0	8.09	81	70-130	
4-Ethyltoluene	10.0	8.50	85	70-130	
1,3,5-Trimethylbenzene	10.0	8.21	82	70-130	
2-Chlorotoluene	10.0	7.79	78	70-130	
tert-Butylbenzene	10.0	8.29	83	70-130	
1,2,4-Trimethylbenzene	10.0	8.29	83	70-130	
sec-Butylbenzene	10.0	8.33	83	70-130	
4-Isopropyltoluene	10.0	8.42	84	70-130	
1,3-Dichlorobenzene	10.0	8.50	85	70-130	
1,4-Dichlorobenzene	10.0	8.42	84	70-130	
Benzyl chloride	10.0	8.10	81	70-130	
n-Butylbenzene	10.0	7.98	80	70-130	
1,2-Dichlorobenzene	10.0	8.41	84	70-130	
1,2,4-Trichlorobenzene	10.0	7.62	76	70-130	
Hexachlorobutadiene	10.0	7.98	80	70-130	
Naphthalene	10.0	7.26	73	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.: 200-27311-1

SDG No.:

Matrix: Air Level: Low Lab File ID: 12884_03.D

Lab ID: LCS 200-86252/3 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Propylene	10.0	8.86	89	70-130	
Dichlorodifluoromethane	10.0	7.40	74	70-130	
Freon 22	10.0	8.34	83	70-130	
1,2-Dichlorotetrafluoroethane	10.0	8.89	89	70-130	
Chloromethane	10.0	8.86	89	70-130	
n-Butane	10.0	8.99	90	70-130	
Vinyl chloride	10.0	8.62	86	70-130	
1,3-Butadiene	10.0	8.71	87	70-130	
Bromomethane	10.0	8.08	81	70-130	
Chloroethane	10.0	8.21	82	70-130	
Bromoethene(Vinyl Bromide)	10.0	9.03	90	70-130	
Trichlorofluoromethane	10.0	7.22	72	70-130	
Ethanol	15.0	11.0	73	70-130	
Freon TF	10.0	8.59	86	70-130	
1,1-Dichloroethene	10.0	8.98	90	70-130	
Acetone	10.0	8.77	88	70-130	
Isopropyl alcohol	10.0	8.90	89	70-130	
Carbon disulfide	10.0	9.99	100	70-130	
3-Chloropropene	10.0	8.94	89	70-130	
Methylene Chloride	10.0	8.73	87	70-130	
tert-Butyl alcohol	10.0	8.93	89	70-130	
Methyl tert-butyl ether	10.0	9.30	93	70-130	
trans-1,2-Dichloroethene	10.0	9.59	96	70-130	
n-Hexane	10.0	10.2	102	70-130	
1,1-Dichloroethane	10.0	9.73	97	70-130	
Vinyl acetate	10.0	9.78	98	70-130	
Ethyl acetate	10.0	10.6	106	70-130	
Methyl Ethyl Ketone	10.0	9.10	91	70-130	
cis-1,2-Dichloroethene	10.0	9.54	95	70-130	
Chloroform	10.0	9.24	92	70-130	
Tetrahydrofuran	10.0	9.98	100	70-130	
1,1,1-Trichloroethane	10.0	8.23	82	70-130	
Cyclohexane	10.0	9.62	96	70-130	
Carbon tetrachloride	10.0	7.83	78	70-130	
2,2,4-Trimethylpentane	10.0	9.97	100	70-130	
Benzene	10.0	9.40	94	70-130	
1,2-Dichloroethane	10.0	8.63	86	70-130	
n-Heptane	10.0	9.73	97	70-130	
Trichloroethene	10.0	9.40	94	70-130	
Methyl methacrylate	10.0	10.4	104	70-130	
1,2-Dichloropropane	10.0	10.1	101	70-130	
1,4-Dioxane	10.0	9.13	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.: 200-27311-1

SDG No.:

Matrix: Air Level: Low Lab File ID: 12884_03.D

Lab ID: LCS 200-86252/3 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Bromodichloromethane	10.0	8.90	89	70-130	
cis-1,3-Dichloropropene	10.0	10.4	104	70-130	
methyl isobutyl ketone	10.0	9.46	95	70-130	
Toluene	10.0	9.13	91	70-130	
trans-1,3-Dichloropropene	10.0	8.80	88	70-130	
1,1,2-Trichloroethane	10.0	8.80	88	70-130	
Tetrachloroethene	10.0	8.63	86	70-130	
Methyl Butyl Ketone (2-Hexanone)	10.0	8.53	85	70-130	
Dibromochloromethane	10.0	7.82	78	70-130	
1,2-Dibromoethane	10.0	8.71	87	70-130	
Chlorobenzene	10.0	8.85	88	70-130	
Ethylbenzene	10.0	8.53	85	70-130	
m,p-Xylene	20.0	17.5	87	70-130	
Xylene, o-	10.0	8.83	88	70-130	
Styrene	10.0	9.63	96	70-130	
Bromoform	10.0	7.31	73	70-130	
Cumene	10.0	8.39	84	70-130	
1,1,2,2-Tetrachloroethane	10.0	8.60	86	70-130	
n-Propylbenzene	10.0	8.09	81	70-130	
4-Ethyltoluene	10.0	8.50	85	70-130	
1,3,5-Trimethylbenzene	10.0	8.21	82	70-130	
2-Chlorotoluene	10.0	7.79	78	70-130	
tert-Butylbenzene	10.0	8.29	83	70-130	
1,2,4-Trimethylbenzene	10.0	8.29	83	70-130	
sec-Butylbenzene	10.0	8.33	83	70-130	
4-Isopropyltoluene	10.0	8.42	84	70-130	
1,3-Dichlorobenzene	10.0	8.50	85	70-130	
1,4-Dichlorobenzene	10.0	8.42	84	70-130	
Benzyl chloride	10.0	8.10	81	70-130	
n-Butylbenzene	10.0	7.98	80	70-130	
1,2-Dichlorobenzene	10.0	8.41	84	70-130	
1,2,4-Trichlorobenzene	10.0	7.62	76	70-130	
Hexachlorobutadiene	10.0	7.98	80	70-130	
Naphthalene	10.0	7.26	73	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.: 200-27312-1

SDG No.:

Matrix: Air Level: Low Lab File ID: 12883-003.D

Lab ID: LCS 200-86250/3 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Propylene	10.0	8.54	85	70-130	
Dichlorodifluoromethane	10.0	9.67	97	70-130	
Freon 22	10.0	9.36	94	70-130	
1,2-Dichlorotetrafluoroethane	10.0	11.0	111	70-130	
Chloromethane	10.0	9.05	91	70-130	
n-Butane	10.0	9.27	93	70-130	
Vinyl chloride	10.0	9.96	100	70-130	
1,3-Butadiene	10.0	9.66	97	70-130	
Bromomethane	10.0	11.0	110	70-130	
Chloroethane	10.0	10.4	104	70-130	
Bromoethene(Vinyl Bromide)	10.0	9.83	98	70-130	
Trichlorofluoromethane	10.0	9.60	96	70-130	
Ethanol	15.0	12.5	83	70-130	
Freon TF	10.0	10.1	101	70-130	
1,1-Dichloroethene	10.0	9.86	99	70-130	
Acetone	10.0	8.98	90	70-130	
Isopropyl alcohol	10.0	8.10	81	70-130	
Carbon disulfide	10.0	11.4	114	70-130	
3-Chloropropene	10.0	8.08	81	70-130	
Methylene Chloride	10.0	8.89	89	70-130	
tert-Butyl alcohol	10.0	8.63	86	70-130	
Methyl tert-butyl ether	10.0	9.55	96	70-130	
trans-1,2-Dichloroethene	10.0	10.0	100	70-130	
n-Hexane	10.0	9.75	97	70-130	
1,1-Dichloroethane	10.0	9.60	96	70-130	
Vinyl acetate	10.0	9.01	90	70-130	
Ethyl acetate	10.0	10.5	105	70-130	
Methyl Ethyl Ketone	10.0	8.66	87	70-130	
cis-1,2-Dichloroethene	10.0	9.61	96	70-130	
Chloroform	10.0	9.56	96	70-130	
Tetrahydrofuran	10.0	9.46	95	70-130	
1,1,1-Trichloroethane	10.0	10.0	100	70-130	
Cyclohexane	10.0	9.91	99	70-130	
Carbon tetrachloride	10.0	10.1	101	70-130	
2,2,4-Trimethylpentane	10.0	9.20	92	70-130	
Benzene	10.0	9.78	98	70-130	
1,2-Dichloroethane	10.0	9.46	95	70-130	
n-Heptane	10.0	8.67	87	70-130	
Trichloroethene	10.0	9.51	95	70-130	
Methyl methacrylate	10.0	8.97	90	70-130	
1,2-Dichloropropane	10.0	8.74	87	70-130	
1,4-Dioxane	10.0	8.20	82	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.: 200-27312-1

SDG No.:

Matrix: Air Level: Low Lab File ID: 12883-003.D

Lab ID: LCS 200-86250/3 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Bromodichloromethane	10.0	9.33	93	70-130	
cis-1,3-Dichloropropene	10.0	9.16	92	70-130	
methyl isobutyl ketone	10.0	8.36	84	70-130	
Toluene	10.0	9.55	95	70-130	
trans-1,3-Dichloropropene	10.0	8.76	88	70-130	
1,1,2-Trichloroethane	10.0	9.74	97	70-130	
Tetrachloroethene	10.0	9.89	99	70-130	
Methyl Butyl Ketone (2-Hexanone)	10.0	8.50	85	70-130	
Dibromochloromethane	10.0	9.53	95	70-130	
1,2-Dibromoethane	10.0	9.90	99	70-130	
Chlorobenzene	10.0	9.62	96	70-130	
Ethylbenzene	10.0	9.58	96	70-130	
m,p-Xylene	20.0	19.2	96	70-130	
Xylene, o-	10.0	9.35	94	70-130	
Styrene	10.0	9.58	96	70-130	
Bromoform	10.0	9.85	98	70-130	
Cumene	10.0	9.34	93	70-130	
1,1,2,2-Tetrachloroethane	10.0	9.57	96	70-130	
n-Propylbenzene	10.0	9.51	95	70-130	
4-Ethyltoluene	10.0	9.93	99	70-130	
1,3,5-Trimethylbenzene	10.0	9.55	96	70-130	
2-Chlorotoluene	10.0	9.59	96	70-130	
tert-Butylbenzene	10.0	9.52	95	70-130	
1,2,4-Trimethylbenzene	10.0	9.55	96	70-130	
sec-Butylbenzene	10.0	9.58	96	70-130	
4-Isopropyltoluene	10.0	9.60	96	70-130	
1,3-Dichlorobenzene	10.0	9.96	100	70-130	
1,4-Dichlorobenzene	10.0	9.90	99	70-130	
Benzyl chloride	10.0	9.13	91	70-130	
n-Butylbenzene	10.0	9.97	100	70-130	
1,2-Dichlorobenzene	10.0	9.87	99	70-130	
1,2,4-Trichlorobenzene	10.0	8.79	88	70-130	
Hexachlorobutadiene	10.0	9.78	98	70-130	
Naphthalene	10.0	7.33	73	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.: 200-27201-1

SDG No.:

Lab File ID: 12762_04.D Lab Sample ID: MB 200-86009/4

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

Instrument ID: CHB.i Date Analyzed: 03/24/2015 15:40

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 200-86009/5	12762_05.D	03/24/2015 16:32
	LCS 200-86009/6	12762_06.D	03/24/2015 17:24
	LCS 200-86009/7	12762_07.D	03/24/2015 18:16
4557	200-27201-9	12762_08.D	03/24/2015 19:08

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

Lab Name: TestAmerica Burlington Job No.: 200-27201-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-86009/4

Matrix: Air Lab File ID: 12762_04.D

Analysis Method: TO15LL/NJ Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 03/24/2015 15:40

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 86009 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	1.3	U	1.3	0.056
76-14-2	1,2-Dichlorotetrafluoroethane	0.50	U	0.50	0.052
74-87-3	Chloromethane	1.3	U	1.3	0.060
75-01-4	Vinyl chloride	0.50	U	0.50	0.026
106-99-0	1,3-Butadiene	0.50	U	0.50	0.036
74-83-9	Bromomethane	0.50	U	0.50	0.044
75-00-3	Chloroethane	1.3	U	1.3	0.061
593-60-2	Vinyl bromide	0.50	U	0.50	0.020
75-69-4	Trichlorofluoromethane	0.50	U	0.50	0.045
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	0.50	0.041
75-35-4	1,1-Dichloroethene	0.50	U	0.50	0.010
67-64-1	Acetone	5.0	U	5.0	0.69
75-15-0	Carbon disulfide	1.3	U	1.3	0.030
67-63-0	Isopropanol	13	U	13	0.15
107-05-1	Allyl chloride	0.50	U	0.50	0.16
75-09-2	Methylene Chloride	1.3	U	1.3	0.12
75-65-0	tert-Butyl alcohol	5.0	U	5.0	0.12
1634-04-4	Methyl tert-butyl ether	0.50	U	0.50	0.022
156-60-5	1,2-Dichloroethene, trans-	0.50	U	0.50	0.027
110-54-3	n-Hexane	0.50	U	0.50	0.028
75-34-3	1,1-Dichloroethane	0.50	U	0.50	0.028
156-59-2	1,2-Dichloroethene, cis-	0.50	U	0.50	0.030
78-93-3	Methyl Ethyl Ketone	1.3	U	1.3	0.092
67-66-3	Chloroform	0.50	U	0.50	0.038
109-99-9	Tetrahydrofuran	5.0	U	5.0	0.18
71-55-6	1,1,1-Trichloroethane	0.50	U	0.50	0.030
110-82-7	Cyclohexane	0.50	U	0.50	0.010
56-23-5	Carbon tetrachloride	0.50	U	0.50	0.011
540-84-1	2,2,4-Trimethylpentane	0.50	U	0.50	0.023
71-43-2	Benzene	0.50	U	0.50	0.029
107-06-2	1,2-Dichloroethane	0.50	U	0.50	0.052
142-82-5	n-Heptane	0.50	U	0.50	0.037
79-01-6	Trichloroethene	0.50	U	0.50	0.030
78-87-5	1,2-Dichloropropane	0.50	U	0.50	0.035
80-62-6	Methyl methacrylate	1.3	U	1.3	0.096

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

Lab Name: TestAmerica Burlington Job No.: 200-27201-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-86009/4

Matrix: Air Lab File ID: 12762_04.D

Analysis Method: TO15LL/NJ Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 03/24/2015 15:40

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 86009 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
123-91-1	1,4-Dioxane	5.0	U	5.0	0.16
75-27-4	Bromodichloromethane	0.50	U	0.50	0.029
10061-01-5	1,3-Dichloropropene, cis-	0.50	U	0.50	0.029
108-10-1	methyl isobutyl ketone	1.3	U	1.3	0.18
108-88-3	Toluene	0.50	U	0.50	0.025
10061-02-6	1,3-Dichloropropene, trans-	0.50	U	0.50	0.026
79-00-5	1,1,2-Trichloroethane	0.50	U	0.50	0.037
127-18-4	Tetrachloroethene	0.50	U	0.50	0.030
124-48-1	Dibromochloromethane	0.50	U	0.50	0.020
106-93-4	1,2-Dibromoethane	0.50	U	0.50	0.018
108-90-7	Chlorobenzene	0.50	U	0.50	0.018
100-41-4	Ethylbenzene	0.50	U	0.50	0.020
179601-23-1	m-Xylene & p-Xylene	1.3	U	1.3	0.025
95-47-6	o-Xylene	0.50	U	0.50	0.018
100-42-5	Styrene	0.50	U	0.50	0.016
75-25-2	Bromoform	0.50	U	0.50	0.025
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.50	0.034
622-96-8	4-Ethyltoluene	0.50	U	0.50	0.020
108-67-8	1,3,5-Trimethylbenzene	0.50	U	0.50	0.019
95-49-8	2-Chlorotoluene	0.50	U	0.50	0.031
95-63-6	1,2,4-Trimethylbenzene	0.50	U	0.50	0.016
541-73-1	1,3-Dichlorobenzene	0.50	U	0.50	0.020
106-46-7	1,4-Dichlorobenzene	0.50	U	0.50	0.019
95-50-1	1,2-Dichlorobenzene	0.50	U	0.50	0.018
120-82-1	1,2,4-Trichlorobenzene	1.3	U	1.3	0.034
87-68-3	Hexachlorobutadiene	0.50	U	0.50	0.036
91-20-3	Naphthalene	0.50	U	0.50	0.030

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\Btv-lims1\chromdata\CHB.i\20150324-12762.b\12762_04.D
Lims ID: mb
Client ID:
Sample Type: MB
Inject. Date: 24-Mar-2015 15:40:30 ALS Bottle#: 5 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 200-0012762-004
Misc. Info.: mb
Operator ID: pad Instrument ID: CHB.i

Method: \\Btv-lims1\chromdata\CHB.i\20150324-12762.b\TO15_LLNJ_TO3.m
Limit Group: AI_TO15LLNJ_ICAL
Last Update: 25-Mar-2015 10:49:02 Calib Date: 10-Mar-2015 11:32:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\Btv-lims1\chromdata\CHB.i\20150309-12475.b\12475_17.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK020

First Level Reviewer: daiglep Date: 25-Mar-2015 09:49:50

	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	3.165	3.160	0.005	67	1164		NC	
2	Dichlorodifluoromethane	85		3.219					ND	
3	Chlorodifluoromethane	51		3.256					ND	
4	1,2-Dichloro-1,1,2,2-tetra	85		3.448					ND	
5	Chloromethane	50		3.581					ND	
6	Butane	43		3.758					ND	
7	Vinyl chloride	62		3.800					ND	
8	Butadiene	54		3.870					ND	
10	Bromomethane	94		4.569					ND	
11	Chloroethane	64		4.809					ND	
12	2-Methylbutane	43		4.878					ND	
13	Vinyl bromide	106		5.225					ND	
14	Trichlorofluoromethane	101		5.321					ND	
15	Pentane	43		5.455					ND	
16	Ethanol	45		5.802					ND	
17	Ethyl ether	59		5.940					ND	
18	Acrolein	56		6.335					ND	
19	1,1,2-Trichloro-1,2,2-trif	101		6.362					ND	
20	1,1-Dichloroethene	96		6.442					ND	
21	Acetone	43		6.613					ND	
22	Isopropyl alcohol	45		6.816					ND	
23	Carbon disulfide	76		6.874					ND	
24	3-Chloro-1-propene	41		7.157					ND	
T 25	Methyl Acetate TIC	43		7.200					ND	
26	Acetonitrile	41		7.248					ND	
27	Methylene Chloride	49		7.424					ND	
28	2-Methyl-2-propanol	59		7.520					ND	
29	Methyl tert-butyl ether	73		7.750					ND	
30	trans-1,2-Dichloroethene	61		7.824					ND	
31	Acrylonitrile	53		7.920					ND	
32	Hexane	57		8.139					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 1,1-Dichloroethane	63		8.577					ND	
34 Vinyl acetate	43		8.582					ND	
* 39 Chlorobromomethane	128	9.858	9.858	0.000	70	780936	10.0	10.0	
36 2-Butanone (MEK)	72		9.479					ND	
37 cis-1,2-Dichloroethene	96		9.484					ND	
35 Ethyl acetate	88		9.484					ND	
38 Tetrahydrofuran	42		9.858					ND	
40 Chloroform	83		9.927					ND	
S 41 1,2-Dichloroethene, Total	61		10.000					ND	
42 1,1,1-Trichloroethane	97		10.178					ND	
43 Cyclohexane	84		10.183					ND	
44 Carbon tetrachloride	117		10.381					ND	
45 Isooctane	57		10.653					ND	
46 Benzene	78		10.717					ND	
47 1,2-Dichloroethane	62		10.824					ND	
48 n-Heptane	43		10.904					ND	
A 49 GRO	1	10.962	(4.868-17.056)		0	420869		0	
* 50 1,4-Difluorobenzene	114	11.256	11.256	0.000	91	3790157	10.0	10.0	
51 n-Butanol	56	11.256	11.432	-0.176	23	37242		NC	
T 52 Methyl cyclohexane TIC	55		11.500					ND	
53 Trichloroethene	95		11.619					ND	
54 1,2-Dichloropropane	63		12.003					ND	
55 Methyl methacrylate	69		12.030					ND	
56 1,4-Dioxane	88		12.126					ND	
57 Dibromomethane	174	12.195	12.190	0.005	84	401		NC	
58 Dichlorobromomethane	83		12.361					ND	
A 59 TVOC as Toluene	1	12.614	(3.150-22.079)		0	462589		2.18	
60 cis-1,3-Dichloropropene	75		12.985					ND	
61 4-Methyl-2-pentanone (MIBK	43		13.135					ND	
A 62 C8 Range	1	13.370	(13.330-13.410)		0	426		NC	
63 n-Octane	43		13.380					ND	
64 Toluene	92		13.417					ND	
A 65 Toluene Range	1	13.432	(13.407-13.457)		0	426		NC	
66 trans-1,3-Dichloropropene	75		13.780					ND	
67 1,1,2-Trichloroethane	83		14.058					ND	
68 Tetrachloroethene	166		14.175					ND	
69 2-Hexanone	43		14.309					ND	
70 Chlorodibromomethane	129		14.602					ND	
71 Ethylene Dibromide	107		14.805					ND	
* 72 Chlorobenzene-d5	117	15.355	15.355	0.000	80	3231134	10.0	10.0	
73 Chlorobenzene	112		15.392					ND	
74 Ethylbenzene	91		15.456					ND	
75 n-Nonane	57		15.461					ND	
76 m-Xylene & p-Xylene	106		15.600					ND	
S 77 Xylenes, Total	106		16.000					ND	
78 o-Xylene	106		16.113					ND	
79 Styrene	104		16.134					ND	
80 Bromoform	173		16.433					ND	
81 Isopropylbenzene	105	16.523	16.518	0.005	1	266		NC	
$ 82 4-Bromofluorobenzene	95	16.780	16.780	0.000	98	1787635	NC	NC	
83 1,1,2,2-Tetrachloroethane	83		16.929					ND	
84 N-Propylbenzene	91	16.988	16.993	-0.005	19	717		NC	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
85 1,2,3-Trichloropropane	75	16.854	17.014	-0.160	54	4322		NC	
86 n-Decane	57		17.046					ND	
87 4-Ethyltoluene	105		17.116					ND	
88 2-Chlorotoluene	91		17.164					ND	
89 1,3,5-Trimethylbenzene	105		17.185					ND	
90 Alpha Methyl Styrene	118	17.452	17.457	-0.005	1	234		NC	
91 tert-Butylbenzene	119		17.564					ND	
92 1,2,4-Trimethylbenzene	105		17.634					ND	
93 sec-Butylbenzene	105	17.639	17.820	-0.181	90	697		NC	
94 4-Isopropyltoluene	119	17.975	17.975	0.000	1	521		NC	
95 1,3-Dichlorobenzene	146		18.060					ND	
96 1,4-Dichlorobenzene	146		18.173					ND	
97 Benzyl chloride	91	18.327	18.333	-0.006	1	981		NC	
98 Undecane	57		18.439					ND	
99 n-Butylbenzene	91	18.487	18.493	-0.006	1	981		NC	
100 1,2-Dichlorobenzene	146		18.669					ND	
T 101 1,2-Dibromo-3-Chloropropan	75		19.300					ND	
102 Dodecane	57	19.944	19.923	0.021	1	309		NC	
103 1,2,4-Trichlorobenzene	180		21.081					ND	
104 Hexachlorobutadiene	225		21.241					ND	
105 Naphthalene	128		21.583					ND	
106 1,2,3-Trichlorobenzene	180	22.063	22.069	-0.005	91	2698		NC	
T 107 Methyl acetylene TIC	1		0.000					ND	
T 108 1,1,1,2-Tetrachloroethane	1		0.000					ND	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

ATTO15BISs_00006 Amount Added: 20.00 Units: mL Run Reagent

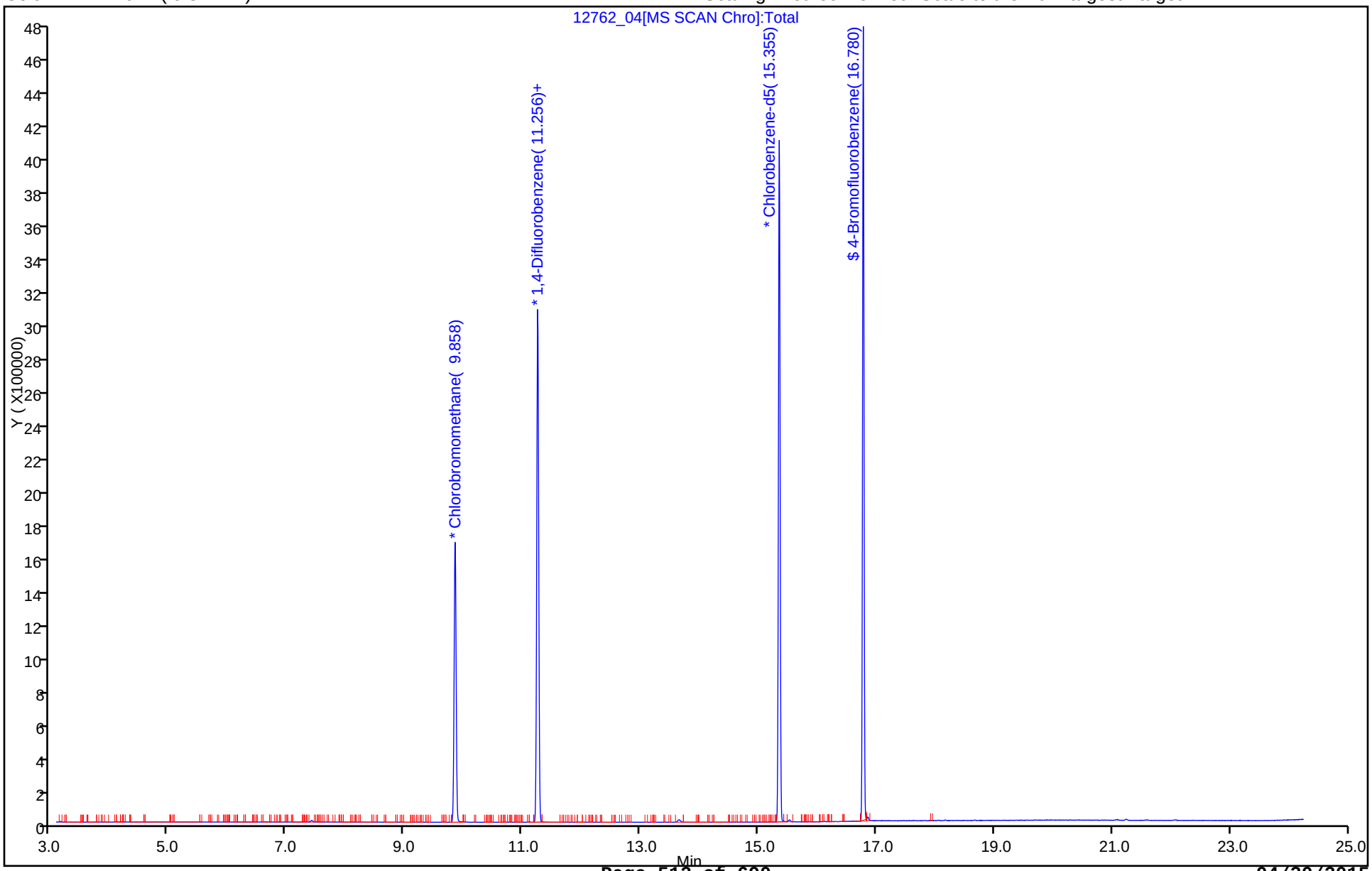
Report Date: 25-Mar-2015 10:49:04 Chrom Revision: 2.2 13-Mar-2015 11:20:44

TestAmerica Burlington

Data File: \\Btv-lims1\chromdata\CHB.i\20150324-12762.b\12762_04.D

Injection Date:	24-Mar-2015 15:40:30	Instrument ID:	CHB.i	Operator ID:	pad
Lims ID:	mb			Worklist Smp#:	4
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15LLNJ_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.: 200-27201-1

SDG No.:

Lab File ID: 12780_04.D Lab Sample ID: MB 200-86038/4

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

Instrument ID: CHC.i Date Analyzed: 03/25/2015 13:34

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 200-86038/3	12780_03.D	03/25/2015 12:47
4557	200-27201-9	12780_11.D	03/25/2015 20:26

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

Lab Name: TestAmerica Burlington Job No.: 200-27201-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-86038/4

Matrix: Air Lab File ID: 12780_04.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 03/25/2015 13:34

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 86038 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.: 200-27201-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-86038/4

Matrix: Air Lab File ID: 12780_04.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 03/25/2015 13:34

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 86038 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.: 200-27201-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-86038/4

Matrix: Air Lab File ID: 12780_04.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 03/25/2015 13:34

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 86038 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.20	U	0.20	0.20
104-51-8	n-Butylbenzene	0.20	U	0.20	0.20
95-50-1	1,2-Dichlorobenzene	0.20	U	0.20	0.20
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.50	0.50
87-68-3	Hexachlorobutadiene	0.20	U	0.20	0.20
91-20-3	Naphthalene	0.50	U	0.50	0.50

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHC.i\20150325-12780.b\12780_04.D
Lims ID: mb
Client ID:
Sample Type: MB
Inject. Date: 25-Mar-2015 13:34:30 ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0012780-004
Misc. Info.: mb
Operator ID: pad Instrument ID: CHC.i

Method: \\BTV-LIMS1\ChromData\CHC.i\20150325-12780.b\TO15_LLNJ_TO3_CHC.m
Limit Group: AI_TO15_ICAL
Last Update: 26-Mar-2015 09:49:14 Calib Date: 01-Dec-2014 23:37:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHC.i\20141201-10870.b\10870_10.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK048

First Level Reviewer: daiglep Date: 26-Mar-2015 09:22:14

	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		2.985					ND	
2	Dichlorodifluoromethane	85		3.060					ND	
3	Chlorodifluoromethane	51		3.113					ND	
4	1,2-Dichloro-1,1,2,2-tetra	85		3.332					ND	
5	Chloromethane	50		3.471					ND	
6	Butane	43		3.674					ND	
7	Vinyl chloride	62		3.722					ND	
8	Butadiene	54		3.802					ND	
9	Bromomethane	94		4.501					ND	
10	Chloroethane	64		4.746					ND	
11	2-Methylbutane	43		4.821					ND	
13	Vinyl bromide	106		5.152					ND	
14	Trichlorofluoromethane	101		5.259					ND	
15	Pentane	43		5.403					ND	
16	Ethanol	45		5.889					ND	
17	Ethyl ether	59		5.953					ND	
18	Acrolein	56		6.347					ND	
19	1,1,2-Trichloro-1,2,2-trif	101		6.374					ND	
20	1,1-Dichloroethene	96		6.412					ND	
21	Acetone	43		6.673					ND	
22	Carbon disulfide	76		6.790					ND	
23	Isopropyl alcohol	45		6.999					ND	
T 24	Methyl Acetate TIC	43		7.200					ND	
25	3-Chloro-1-propene	41		7.223					ND	
26	Acetonitrile	41		7.372					ND	
27	Methylene Chloride	49	7.538	7.532	0.006	91	3037		0.0819	
28	2-Methyl-2-propanol	59		7.788					ND	
29	Methyl tert-butyl ether	73		7.943					ND	
30	trans-1,2-Dichloroethene	61		7.975					ND	
31	Acrylonitrile	53		8.146					ND	
32	Hexane	57		8.370					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 1,1-Dichloroethane	63		8.872					ND	
34 Vinyl acetate	43		8.968					ND	
35 cis-1,2-Dichloroethene	96		10.009					ND	
36 2-Butanone (MEK)	72		10.073					ND	
37 Ethyl acetate	88		10.121					ND	
S 38 1,2-Dichloroethene, Total	61		10.200					ND	
* 40 Chlorobromomethane	128	10.478	10.484	-0.006	69	418374	10.0	10.0	
39 Tetrahydrofuran	42		10.484					ND	
41 Chloroform	83		10.622					ND	
42 Cyclohexane	84		10.852					ND	
43 1,1,1-Trichloroethane	97		10.889					ND	
44 Carbon tetrachloride	117		11.135					ND	
T 45 Methyl cyclohexane TIC	55		11.500					ND	
46 Isooctane	57		11.583					ND	
47 Benzene	78	11.615	11.615	0.000	1	360		0.003082	
48 1,2-Dichloroethane	62		11.812					ND	
49 n-Heptane	43		11.989					ND	
* 50 1,4-Difluorobenzene	114	12.485	12.485	0.000	93	2007514	10.0	10.0	
51 n-Butanol	56		12.907					ND	
52 Trichloroethene	95		12.949					ND	
A 53 GRO	1	13.120	(4.811-21.429)		0	330113		0	
54 1,2-Dichloropropane	63		13.520					ND	
55 Methyl methacrylate	69		13.707					ND	
56 1,4-Dioxane	88		13.760					ND	
57 Dibromomethane	174		13.787					ND	
58 Dichlorobromomethane	83		14.097					ND	
A 59 TVOC as Toluene	1	14.825	(2.975-26.675)		0	869166		7.54	
60 cis-1,3-Dichloropropene	75		15.041					ND	
61 4-Methyl-2-pentanone (MIBK	43		15.340					ND	
62 Toluene	92		15.628					ND	
A 63 Toluene Range	1	15.628	(15.588-15.668)		0	6310		NC	
64 n-Octane	43		15.698					ND	
A 65 C8 Range	1		(15.697-16.198)					ND	
66 trans-1,3-Dichloropropene	75		16.247					ND	
67 1,1,2-Trichloroethane	83		16.621					ND	
68 Tetrachloroethene	166		16.712					ND	
69 2-Hexanone	43		17.069					ND	
70 Chlorodibromomethane	129		17.379					ND	
71 Ethylene Dibromide	107		17.646					ND	
* 72 Chlorobenzene-d5	117	18.537	18.542	-0.005	85	1704586	10.0	10.0	
73 Chlorobenzene	112		18.601					ND	
T 74 1,2-Dibromo-3-Chloropropan	75		18.652					ND	
75 Ethylbenzene	91	18.745	18.750	-0.005	1	226		0.000866	
76 n-Nonane	57		18.879					ND	
77 m-Xylene & p-Xylene	106		19.001					ND	
78 o-Xylene	106		19.839					ND	
79 Styrene	104		19.893					ND	
S 80 Xylenes, Total	106		20.100					ND	
81 Bromoform	173		20.314					ND	
82 Isopropylbenzene	105		20.522					ND	
83 1,1,2,2-Tetrachloroethane	83		21.179					ND	
84 N-Propylbenzene	91		21.237					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 1,2,3-Trichloropropane	75		21.275					ND	
86 n-Decane	57		21.419					ND	
87 4-Ethyltoluene	105		21.430					ND	
88 2-Chlorotoluene	91		21.435					ND	
89 1,3,5-Trimethylbenzene	105		21.536					ND	
90 Alpha Methyl Styrene	118		21.899					ND	
91 tert-Butylbenzene	119		22.022					ND	
92 1,2,4-Trimethylbenzene	105		22.118					ND	
93 sec-Butylbenzene	105		22.342					ND	
94 4-Isopropyltoluene	119		22.545					ND	
95 1,3-Dichlorobenzene	146		22.572					ND	
96 1,4-Dichlorobenzene	146		22.710					ND	
97 Benzyl chloride	91		22.908					ND	
98 n-Butylbenzene	91		23.111					ND	
99 Undecane	57		23.132					ND	
100 1,2-Dichlorobenzene	146		23.239					ND	
101 Dodecane	57		24.701					ND	
102 1,2,4-Trichlorobenzene	180		25.715					ND	
103 Hexachlorobutadiene	225		25.897					ND	
104 Naphthalene	128		26.195					ND	
105 1,2,3-Trichlorobenzene	180		26.665					ND	
T 107 Methyl acetylene TIC	1		0.000					ND	
T 106 1,1,1,2-Tetrachloroethane	1		0.000					ND	
$ 108 4-Bromofluorobenzene	95	20.891	20.891	0.000	93	784262	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

NC - Not Calibrated

Reagents:

ATTO15CISs_00006 Amount Added: 20.00 Units: mL Run Reagent

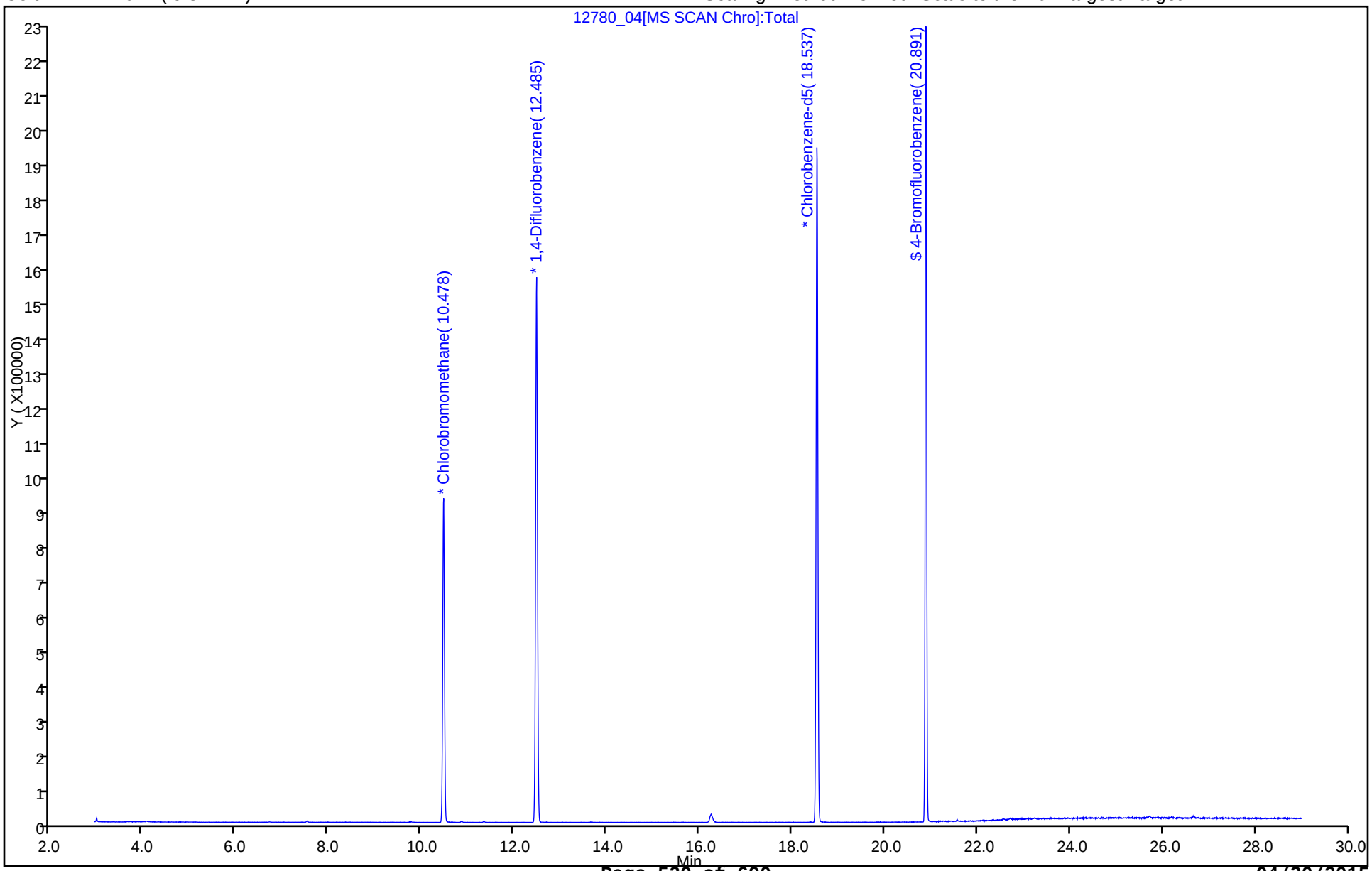
Report Date: 26-Mar-2015 09:49:15 Chrom Revision: 2.2 13-Mar-2015 11:20:44

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20150325-12780.b\12780_04.D

Injection Date:	25-Mar-2015 13:34:30	Instrument ID:	CHC.i	Operator ID:	pad
Lims ID:	mb			Worklist Smp#:	4
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-27310-1

SDG No.:

Lab File ID: 12884_04.D Lab Sample ID: MB 200-86252/4

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

Instrument ID: CHC.i Date Analyzed: 03/31/2015 12:27

GC Column: RTX-624 ID: 0.32(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 200-86252/3	12884_03.D	03/31/2015 11:40
4478	200-27310-11	12884_12.D	03/31/2015 19:10

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

Lab Name: TestAmerica Burlington Job No.: 200-27310-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-86252/4

Matrix: Air Lab File ID: 12884_04.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 03/31/2015 12:27

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.: 86252 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.: 200-27310-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-86252/4

Matrix: Air Lab File ID: 12884_04.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 03/31/2015 12:27

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.: 86252 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.: 200-27310-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-86252/4

Matrix: Air Lab File ID: 12884_04.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 03/31/2015 12:27

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.: 86252 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.20	U	0.20	0.20
104-51-8	n-Butylbenzene	0.20	U	0.20	0.20
95-50-1	1,2-Dichlorobenzene	0.20	U	0.20	0.20
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.50	0.50
87-68-3	Hexachlorobutadiene	0.20	U	0.20	0.20
91-20-3	Naphthalene	0.50	U	0.50	0.50

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHC.i\20150331-12884.b\12884_04.D
Lims ID: mb
Client ID:
Sample Type: MB
Inject. Date: 31-Mar-2015 12:27:30 ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0012884-004
Misc. Info.: mb
Operator ID: pad Instrument ID: CHC.i

Method: \\BTV-LIMS1\ChromData\CHC.i\20150331-12884.b\TO15_LLNJ_TO3_CHC.m
Limit Group: AI_TO15_ICAL
Last Update: 01-Apr-2015 15:42:39 Calib Date: 01-Dec-2014 23:37:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHC.i\20141201-10870.b\10870_10.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK031

First Level Reviewer: daiglep Date: 31-Mar-2015 13:52:34

	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		2.985					ND	
2	Dichlorodifluoromethane	85		3.055					ND	
3	Chlorodifluoromethane	51		3.108					ND	
4	1,2-Dichloro-1,1,2,2-tetra	85		3.327					ND	
5	Chloromethane	50		3.466					ND	
6	Butane	43		3.674					ND	
7	Vinyl chloride	62		3.716					ND	
8	Butadiene	54		3.797					ND	
9	Bromomethane	94		4.496					ND	
10	Chloroethane	64		4.747					ND	
11	2-Methylbutane	43		4.821					ND	
13	Vinyl bromide	106		5.147					ND	
14	Trichlorofluoromethane	101		5.254					ND	
15	Pentane	43		5.403					ND	
16	Ethanol	45		5.883					ND	
17	Ethyl ether	59		5.947					ND	
18	Acrolein	56		6.348					ND	
19	1,1,2-Trichloro-1,2,2-trif	101		6.369					ND	
20	1,1-Dichloroethene	96		6.406					ND	
21	Acetone	43		6.668					ND	
22	Carbon disulfide	76		6.785					ND	
23	Isopropyl alcohol	45		6.993					ND	
T 24	Methyl Acetate TIC	43		7.200					ND	
25	3-Chloro-1-propene	41		7.223					ND	
26	Acetonitrile	41		7.372					ND	
27	Methylene Chloride	49	7.532	7.527	0.005	55	2910		0.0762	
28	2-Methyl-2-propanol	59		7.783					ND	
29	Methyl tert-butyl ether	73		7.938					ND	
30	trans-1,2-Dichloroethene	61		7.975					ND	
31	Acrylonitrile	53		8.141					ND	
32	Hexane	57		8.365					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 1,1-Dichloroethane	63		8.867					ND	
34 Vinyl acetate	43		8.963					ND	
35 cis-1,2-Dichloroethene	96		10.009					ND	
36 2-Butanone (MEK)	72		10.067					ND	
37 Ethyl acetate	88		10.121					ND	
* 40 Chlorobromomethane	128	10.478	10.478	0.000	71	430885	10.0	10.0	
S 38 1,2-Dichloroethene, Total	61		10.200					ND	
39 Tetrahydrofuran	42		10.478					ND	
41 Chloroform	83		10.622					ND	
42 Cyclohexane	84		10.852					ND	
43 1,1,1-Trichloroethane	97		10.884					ND	
44 Carbon tetrachloride	117		11.135					ND	
T 45 Methyl cyclohexane TIC	55		11.500					ND	
46 Isooctane	57		11.588					ND	
47 Benzene	78	11.604	11.615	-0.011	1	436		0.003591	
48 1,2-Dichloroethane	62		11.813					ND	
49 n-Heptane	43		11.989					ND	
* 50 1,4-Difluorobenzene	114	12.485	12.485	0.000	93	2087116	10.0	10.0	
51 n-Butanol	56		12.907					ND	
52 Trichloroethene	95		12.949					ND	
A 53 GRO	1	13.120	(4.811-21.429)		0	304941		0	
54 1,2-Dichloropropane	63		13.526					ND	
55 Methyl methacrylate	69		13.707					ND	
56 1,4-Dioxane	88		13.761					ND	
57 Dibromomethane	174		13.787					ND	
58 Dichlorobromomethane	83		14.091					ND	
A 59 TVOC as Toluene	1	14.825	(2.975-26.675)		0	625276		5.22	
60 cis-1,3-Dichloropropene	75		15.041					ND	
61 4-Methyl-2-pentanone (MIBK	43		15.340					ND	
62 Toluene	92	15.634	15.628	0.006	8	65		0.000646	
A 63 Toluene Range	1	15.628	(15.588-15.668)		0	839		NC	
64 n-Octane	43		15.692					ND	
A 65 C8 Range	1	15.922	(15.691-16.192)		0	2437		NC	
66 trans-1,3-Dichloropropene	75		16.242					ND	
67 1,1,2-Trichloroethane	83		16.616					ND	
68 Tetrachloroethene	166		16.712					ND	
69 2-Hexanone	43		17.069					ND	
70 Chlorodibromomethane	129		17.379					ND	
71 Ethylene Dibromide	107		17.640					ND	
* 72 Chlorobenzene-d5	117	18.537	18.537	0.000	86	1753454	10.0	10.0	
73 Chlorobenzene	112		18.601					ND	
T 74 1,2-Dibromo-3-Chloropropan	75		18.652					ND	
75 Ethylbenzene	91	18.740	18.751	-0.011	1	321		0.001195	
76 n-Nonane	57		18.879					ND	
77 m-Xylene & p-Xylene	106		19.001					ND	
78 o-Xylene	106		19.839					ND	
79 Styrene	104		19.893					ND	
S 80 Xylenes, Total	106		20.100					ND	
81 Bromoform	173		20.314					ND	
82 Isopropylbenzene	105		20.522					ND	
83 1,1,2,2-Tetrachloroethane	83		21.179					ND	
84 N-Propylbenzene	91		21.238					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 1,2,3-Trichloropropane	75		21.275					ND	
86 n-Decane	57		21.419					ND	
87 4-Ethyltoluene	105		21.430					ND	
88 2-Chlorotoluene	91		21.435					ND	
89 1,3,5-Trimethylbenzene	105		21.536					ND	
90 Alpha Methyl Styrene	118		21.899					ND	
91 tert-Butylbenzene	119		22.022					ND	
92 1,2,4-Trimethylbenzene	105		22.118					ND	
93 sec-Butylbenzene	105		22.342					ND	
94 4-Isopropyltoluene	119		22.545					ND	
95 1,3-Dichlorobenzene	146		22.577					ND	
96 1,4-Dichlorobenzene	146	22.716	22.711	0.005	11	1775		0.007439	
97 Benzyl chloride	91		22.908					ND	
98 n-Butylbenzene	91		23.111					ND	
99 Undecane	57		23.137					ND	
100 1,2-Dichlorobenzene	146	23.234	23.239	-0.005	76	1941		0.008773	
101 Dodecane	57		24.707					ND	
102 1,2,4-Trichlorobenzene	180	25.721	25.715	0.006	88	3812		0.0186	
103 Hexachlorobutadiene	225		25.897					ND	
104 Naphthalene	128		26.196					ND	
105 1,2,3-Trichlorobenzene	180		26.665					ND	
T 107 Methyl acetylene TIC	1		0.000					ND	
T 106 1,1,1,2-Tetrachloroethane	1		0.000					ND	
$ 108 4-Bromofluorobenzene	95	20.891	20.891	0.000	93	858356	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

NC - Not Calibrated

Reagents:

ATTO15CISs_00006 Amount Added: 20.00 Units: mL Run Reagent

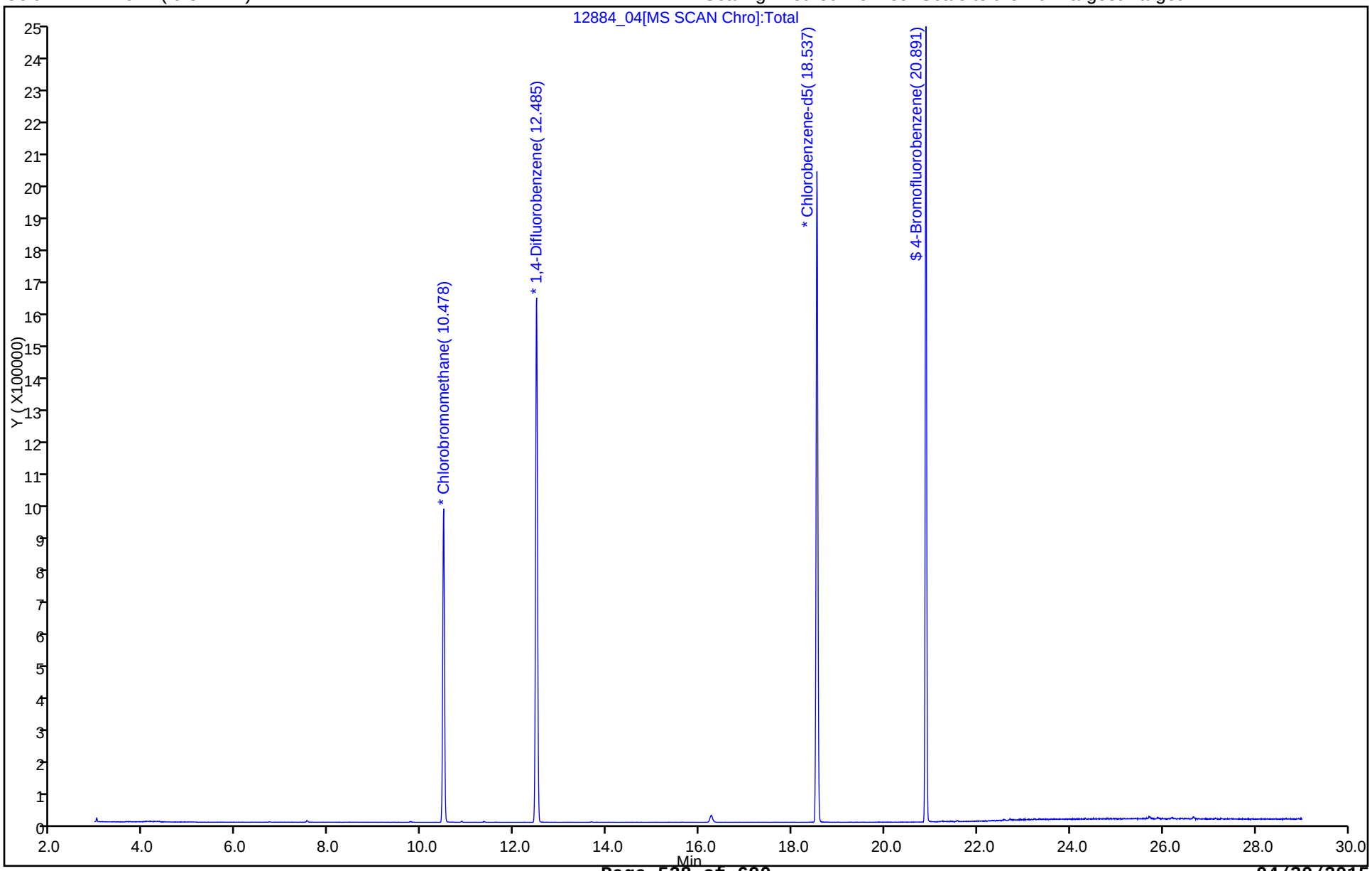
Report Date: 01-Apr-2015 15:42:42 Chrom Revision: 2.2 13-Mar-2015 11:20:44

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20150331-12884.b\12884_04.D

Injection Date:	31-Mar-2015 12:27:30	Instrument ID:	CHC.i	Operator ID:	pad
Lims ID:	mb			Worklist Smp#:	4
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-27311-1

SDG No.:

Lab File ID: 12884_04.D Lab Sample ID: MB 200-86252/4

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

Instrument ID: CHC.i Date Analyzed: 03/31/2015 12:27

GC Column: RTX-624 ID: 0.32(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 200-86252/3	12884_03.D	03/31/2015 11:40
3517	200-27311-7	12884_11.D	03/31/2015 18:11

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

Lab Name: TestAmerica Burlington Job No.: 200-27311-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-86252/4

Matrix: Air Lab File ID: 12884_04.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 03/31/2015 12:27

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.: 86252 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.: 200-27311-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-86252/4

Matrix: Air Lab File ID: 12884_04.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 03/31/2015 12:27

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.: 86252 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.: 200-27311-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-86252/4

Matrix: Air Lab File ID: 12884_04.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 03/31/2015 12:27

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.: 86252 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.20	U	0.20	0.20
104-51-8	n-Butylbenzene	0.20	U	0.20	0.20
95-50-1	1,2-Dichlorobenzene	0.20	U	0.20	0.20
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.50	0.50
87-68-3	Hexachlorobutadiene	0.20	U	0.20	0.20
91-20-3	Naphthalene	0.50	U	0.50	0.50

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHC.i\20150331-12884.b\12884_04.D
Lims ID: mb
Client ID:
Sample Type: MB
Inject. Date: 31-Mar-2015 12:27:30 ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-0012884-004
Misc. Info.: mb
Operator ID: pad Instrument ID: CHC.i

Method: \\BTV-LIMS1\ChromData\CHC.i\20150331-12884.b\TO15_LLNJ_TO3_CHC.m
Limit Group: AI_TO15_ICAL
Last Update: 01-Apr-2015 15:42:39 Calib Date: 01-Dec-2014 23:37:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHC.i\20141201-10870.b\10870_10.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK031

First Level Reviewer: daiglep Date: 31-Mar-2015 13:52:34

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		2.985					ND	
2 Dichlorodifluoromethane	85		3.055					ND	
3 Chlorodifluoromethane	51		3.108					ND	
4 1,2-Dichloro-1,1,2,2-tetra	85		3.327					ND	
5 Chloromethane	50		3.466					ND	
6 Butane	43		3.674					ND	
7 Vinyl chloride	62		3.716					ND	
8 Butadiene	54		3.797					ND	
9 Bromomethane	94		4.496					ND	
10 Chloroethane	64		4.747					ND	
11 2-Methylbutane	43		4.821					ND	
13 Vinyl bromide	106		5.147					ND	
14 Trichlorofluoromethane	101		5.254					ND	
15 Pentane	43		5.403					ND	
16 Ethanol	45		5.883					ND	
17 Ethyl ether	59		5.947					ND	
18 Acrolein	56		6.348					ND	
19 1,1,2-Trichloro-1,2,2-trif	101		6.369					ND	
20 1,1-Dichloroethene	96		6.406					ND	
21 Acetone	43		6.668					ND	
22 Carbon disulfide	76		6.785					ND	
23 Isopropyl alcohol	45		6.993					ND	
T 24 Methyl Acetate TIC	43		7.200					ND	
25 3-Chloro-1-propene	41		7.223					ND	
26 Acetonitrile	41		7.372					ND	
27 Methylene Chloride	49	7.532	7.527	0.005	55	2910		0.0762	
28 2-Methyl-2-propanol	59		7.783					ND	
29 Methyl tert-butyl ether	73		7.938					ND	
30 trans-1,2-Dichloroethene	61		7.975					ND	
31 Acrylonitrile	53		8.141					ND	
32 Hexane	57		8.365					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 1,1-Dichloroethane	63		8.867					ND	
34 Vinyl acetate	43		8.963					ND	
35 cis-1,2-Dichloroethene	96		10.009					ND	
36 2-Butanone (MEK)	72		10.067					ND	
37 Ethyl acetate	88		10.121					ND	
* 40 Chlorobromomethane	128	10.478	10.478	0.000	71	430885	10.0	10.0	
S 38 1,2-Dichloroethene, Total	61		10.200					ND	
39 Tetrahydrofuran	42		10.478					ND	
41 Chloroform	83		10.622					ND	
42 Cyclohexane	84		10.852					ND	
43 1,1,1-Trichloroethane	97		10.884					ND	
44 Carbon tetrachloride	117		11.135					ND	
T 45 Methyl cyclohexane TIC	55		11.500					ND	
46 Isooctane	57		11.588					ND	
47 Benzene	78	11.604	11.615	-0.011	1	436		0.003591	
48 1,2-Dichloroethane	62		11.813					ND	
49 n-Heptane	43		11.989					ND	
* 50 1,4-Difluorobenzene	114	12.485	12.485	0.000	93	2087116	10.0	10.0	
51 n-Butanol	56		12.907					ND	
52 Trichloroethene	95		12.949					ND	
A 53 GRO	1	13.120	(4.811-21.429)		0	304941		0	
54 1,2-Dichloropropane	63		13.526					ND	
55 Methyl methacrylate	69		13.707					ND	
56 1,4-Dioxane	88		13.761					ND	
57 Dibromomethane	174		13.787					ND	
58 Dichlorobromomethane	83		14.091					ND	
A 59 TVOC as Toluene	1	14.825	(2.975-26.675)		0	625276		5.22	
60 cis-1,3-Dichloropropene	75		15.041					ND	
61 4-Methyl-2-pentanone (MIBK	43		15.340					ND	
62 Toluene	92	15.634	15.628	0.006	8	65		0.000646	
A 63 Toluene Range	1	15.628	(15.588-15.668)		0	839		NC	
64 n-Octane	43		15.692					ND	
A 65 C8 Range	1	15.922	(15.691-16.192)		0	2437		NC	
66 trans-1,3-Dichloropropene	75		16.242					ND	
67 1,1,2-Trichloroethane	83		16.616					ND	
68 Tetrachloroethene	166		16.712					ND	
69 2-Hexanone	43		17.069					ND	
70 Chlorodibromomethane	129		17.379					ND	
71 Ethylene Dibromide	107		17.640					ND	
* 72 Chlorobenzene-d5	117	18.537	18.537	0.000	86	1753454	10.0	10.0	
73 Chlorobenzene	112		18.601					ND	
T 74 1,2-Dibromo-3-Chloropropan	75		18.652					ND	
75 Ethylbenzene	91	18.740	18.751	-0.011	1	321		0.001195	
76 n-Nonane	57		18.879					ND	
77 m-Xylene & p-Xylene	106		19.001					ND	
78 o-Xylene	106		19.839					ND	
79 Styrene	104		19.893					ND	
S 80 Xylenes, Total	106		20.100					ND	
81 Bromoform	173		20.314					ND	
82 Isopropylbenzene	105		20.522					ND	
83 1,1,2,2-Tetrachloroethane	83		21.179					ND	
84 N-Propylbenzene	91		21.238					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 1,2,3-Trichloropropane	75		21.275					ND	
86 n-Decane	57		21.419					ND	
87 4-Ethyltoluene	105		21.430					ND	
88 2-Chlorotoluene	91		21.435					ND	
89 1,3,5-Trimethylbenzene	105		21.536					ND	
90 Alpha Methyl Styrene	118		21.899					ND	
91 tert-Butylbenzene	119		22.022					ND	
92 1,2,4-Trimethylbenzene	105		22.118					ND	
93 sec-Butylbenzene	105		22.342					ND	
94 4-Isopropyltoluene	119		22.545					ND	
95 1,3-Dichlorobenzene	146		22.577					ND	
96 1,4-Dichlorobenzene	146	22.716	22.711	0.005	11	1775		0.007439	
97 Benzyl chloride	91		22.908					ND	
98 n-Butylbenzene	91		23.111					ND	
99 Undecane	57		23.137					ND	
100 1,2-Dichlorobenzene	146	23.234	23.239	-0.005	76	1941		0.008773	
101 Dodecane	57		24.707					ND	
102 1,2,4-Trichlorobenzene	180	25.721	25.715	0.006	88	3812		0.0186	
103 Hexachlorobutadiene	225		25.897					ND	
104 Naphthalene	128		26.196					ND	
105 1,2,3-Trichlorobenzene	180		26.665					ND	
T 107 Methyl acetylene TIC	1		0.000					ND	
T 106 1,1,1,2-Tetrachloroethane	1		0.000					ND	
$ 108 4-Bromofluorobenzene	95	20.891	20.891	0.000	93	858356	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

NC - Not Calibrated

Reagents:

ATTO15CISs_00006 Amount Added: 20.00 Units: mL Run Reagent

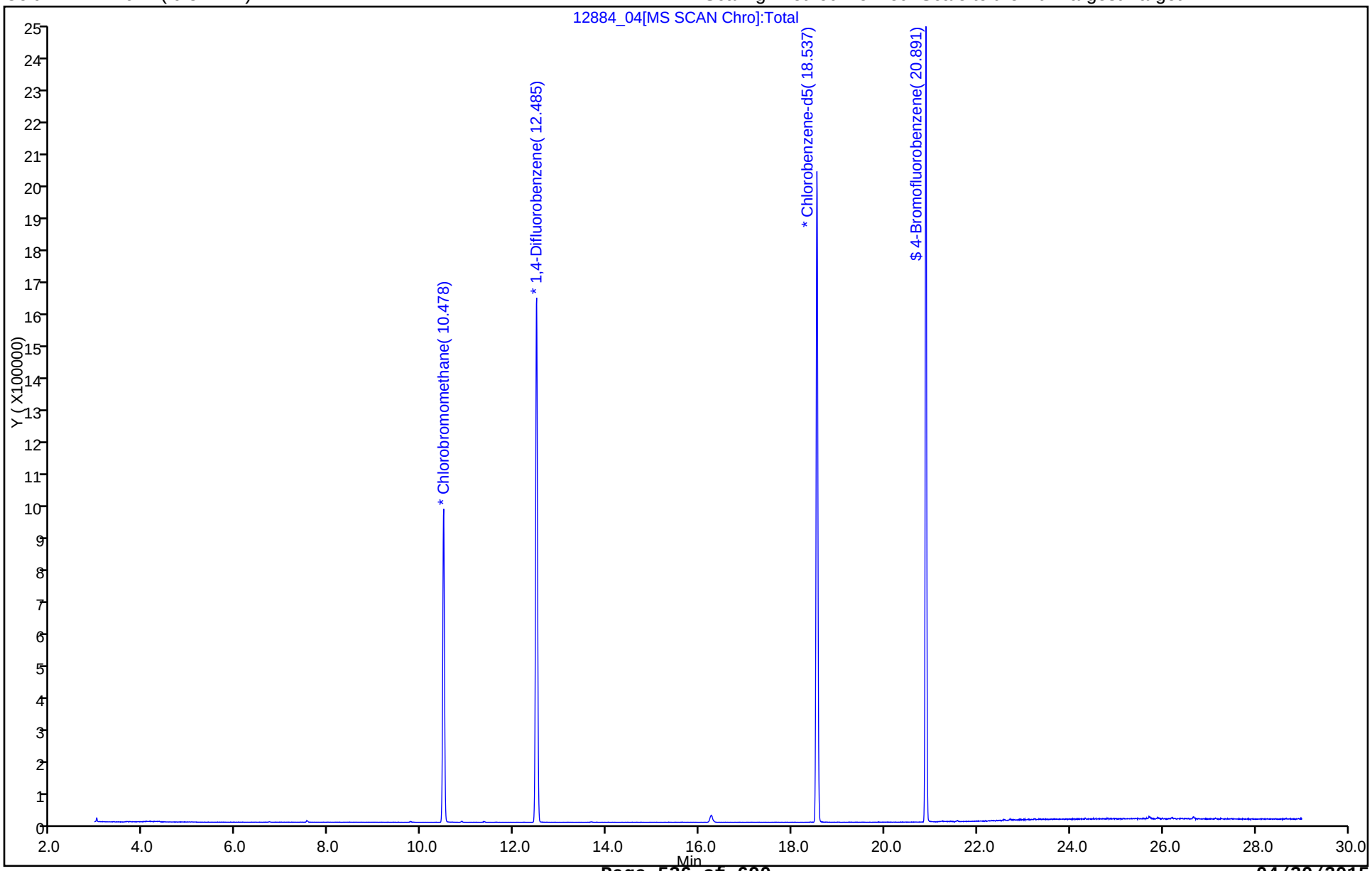
Report Date: 01-Apr-2015 15:42:42 Chrom Revision: 2.2 13-Mar-2015 11:20:44

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20150331-12884.b\12884_04.D

Injection Date:	31-Mar-2015 12:27:30	Instrument ID:	CHC.i	Operator ID:	pad
Lims ID:	mb			Worklist Smp#:	4
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	TO15_LLNJ_TO3_CHC	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-27312-1

SDG No.:

Lab File ID: 12883-004.D Lab Sample ID: MB 200-86250/4

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

Instrument ID: CHX.i Date Analyzed: 03/31/2015 12:49

GC Column: RTX-624 ID: 0.32(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 200-86250/3	12883-003.D	03/31/2015 11:59
3283	200-27312-6	12883-027.D	04/01/2015 07:54

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

Lab Name: TestAmerica Burlington Job No.: 200-27312-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-86250/4

Matrix: Air Lab File ID: 12883-004.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 03/31/2015 12:49

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 86250 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.: 200-27312-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-86250/4

Matrix: Air Lab File ID: 12883-004.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 03/31/2015 12:49

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 86250 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.: 200-27312-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-86250/4

Matrix: Air Lab File ID: 12883-004.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 03/31/2015 12:49

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 86250 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\CHX.i\20150331-12883.b\12883-004.D
Lims ID: mb
Client ID:
Sample Type: MB
Inject. Date: 31-Mar-2015 12:49:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 200-001283-004
Misc. Info.: mb
Operator ID: wrd Instrument ID: CHX.i

Method: \\BTV-LIMS1\ChromData\CHX.i\20150331-12883.b\TO15_LLNJ_TO3_CHX.i.m.m
Limit Group: AI_TO15_ICAL
Last Update: 31-Mar-2015 16:02:08 Calib Date: 20-Mar-2015 00:18:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHX.i\20150319-12677.b\12677-011.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK030

First Level Reviewer: desjardinsb Date: 31-Mar-2015 16:02:08

	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		3.044					ND	
2	Dichlorodifluoromethane	85		3.113					ND	
3	Chlorodifluoromethane	51		3.161					ND	
4	1,2-Dichloro-1,1,2,2-tetra	85		3.375					ND	
5	Chloromethane	50		3.514					ND	
6	Butane	43		3.712					ND	
7	Vinyl chloride	62		3.755					ND	
8	Butadiene	54		3.830					ND	
9	Bromomethane	94		4.509					ND	
10	Chloroethane	64		4.740					ND	
11	2-Methylbutane	43		4.798					ND	
12	Vinyl bromide	106		5.125					ND	
13	Trichlorofluoromethane	101		5.216					ND	
14	Pentane	43		5.349					ND	
15	Ethanol	45		5.788					ND	
16	Ethyl ether	59		5.863					ND	
17	Acrolein	56		6.270					ND	
18	1,1,2-Trichloro-1,2,2-trif	101		6.270					ND	
20	1,1-Dichloroethene	96		6.328					ND	
21	Acetone	43		6.574					ND	
22	Carbon disulfide	76		6.724					ND	
23	Isopropyl alcohol	45		6.847					ND	
24	3-Chloro-1-propene	41		7.115					ND	
25	Acetonitrile	41		7.270					ND	
26	Methylene Chloride	49		7.409					ND	
T 27	Methyl Acetate TIC	43		7.568					ND	
28	2-Methyl-2-propanol	59		7.612					ND	
29	Methyl tert-butyl ether	73		7.794					ND	
30	trans-1,2-Dichloroethene	61		7.842					ND	
31	Acrylonitrile	53		8.019					ND	
32	Hexane	57		8.206					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 1,1-Dichloroethane	63		8.725					ND	
34 Vinyl acetate	43		8.789					ND	
35 cis-1,2-Dichloroethene	96		9.838					ND	
36 2-Butanone (MEK)	72		9.886					ND	
37 Ethyl acetate	88		9.913					ND	
S 38 1,2-Dichloroethene, Total	61		10.000					ND	
39 Tetrahydrofuran	42		10.298					ND	
* 40 Chlorobromomethane	128	10.314	10.314	0.000	75	380282	10.0	10.0	
41 Chloroform	83		10.437					ND	
42 Cyclohexane	84		10.678					ND	
43 1,1,1-Trichloroethane	97		10.715					ND	
44 Carbon tetrachloride	117		10.967					ND	
45 Isooctane	57		11.395					ND	
46 Benzene	78		11.453					ND	
47 1,2-Dichloroethane	62		11.646					ND	
48 n-Heptane	43		11.785					ND	
T 49 Methyl cyclohexane TIC	55		11.965					ND	
* 50 1,4-Difluorobenzene	114	12.309	12.309	0.000	92	1980927	10.0	10.0	
51 n-Butanol	56		12.684					ND	
52 Trichloroethene	95		12.791					ND	
53 1,2-Dichloropropane	63		13.385					ND	
54 Methyl methacrylate	69		13.534					ND	
55 1,4-Dioxane	88		13.599					ND	
56 Dibromomethane	174		13.657					ND	
57 Dichlorobromomethane	83		13.957					ND	
58 cis-1,3-Dichloropropene	75		14.936					ND	
A 59 Total Hydrocarbons	1	14.957	(3.012-26.903)		0	549148		NC	
A 60 TVOC as Toluene	1	14.957	(3.012-26.903)		0	549148		5.49	
61 4-Methyl-2-pentanone (MIBK	43		15.225					ND	
A 63 Toluene Range	1	15.541	(15.531-15.551)		0	3811		NC	
62 Toluene	92		15.541					ND	
66 n-Octane	43		15.567					ND	
A 64 C8 Range	1		(15.593-15.577)					ND	
A 65 GRO	1	15.567	(15.567-15.567)		0	3811		0	
67 trans-1,3-Dichloropropene	75		16.161					ND	
68 1,1,2-Trichloroethane	83		16.552					ND	
69 Tetrachloroethene	166		16.643					ND	
70 2-Hexanone	43		16.996					ND	
71 Chlorodibromomethane	129		17.333					ND	
72 Ethylene Dibromide	107		17.616					ND	
* 73 Chlorobenzene-d5	117	18.520	18.520	0.000	83	1773092	10.0	10.0	
74 Chlorobenzene	112		18.585					ND	
75 Ethylbenzene	91		18.729					ND	
76 n-Nonane	57		18.825					ND	
77 m-Xylene & p-Xylene	106		18.980					ND	
78 o-Xylene	106		19.788					ND	
79 Styrene	104		19.836					ND	
S 80 Xylenes, Total	106		20.000					ND	
81 Bromoform	173		20.243					ND	
82 Isopropylbenzene	105		20.420					ND	
* 83 4-Bromofluorobenzene	95	20.778	20.778	0.000	97	1201807	10.0	10.0	
T 84 1,2-Dibromo-3-Chloropropan	75		20.846					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 1,1,2,2-Tetrachloroethane	83		21.045					ND	
86 N-Propylbenzene	91		21.099					ND	
87 1,2,3-Trichloropropane	75		21.142					ND	
88 n-Decane	57		21.243					ND	
89 4-Ethyltoluene	105		21.281					ND	
90 2-Chlorotoluene	91		21.297					ND	
91 1,3,5-Trimethylbenzene	105		21.377					ND	
92 Alpha Methyl Styrene	118		21.736					ND	
93 tert-Butylbenzene	119		21.853					ND	
94 1,2,4-Trimethylbenzene	105		21.944					ND	
95 sec-Butylbenzene	105		22.164					ND	
96 4-Isopropyltoluene	119		22.361					ND	
97 1,3-Dichlorobenzene	146		22.410					ND	
98 1,4-Dichlorobenzene	146		22.549					ND	
99 Benzyl chloride	91		22.752					ND	
100 Undecane	57		22.950					ND	
101 n-Butylbenzene	91		22.955					ND	
102 1,2-Dichlorobenzene	146		23.110					ND	
103 Dodecane	57		24.614					ND	
104 1,2,4-Trichlorobenzene	180		25.764					ND	
105 Hexachlorobutadiene	225		25.951					ND	
106 Naphthalene	128		26.299					ND	
107 1,2,3-Trichlorobenzene	180		26.812					ND	
T 117 1,3-Dichloropropane TIC	1		0.000					ND	
T 109 Methyl acetylene TIC	1		0.000					ND	
T 108 1,1,1,2-Tetrachloroethane	1		0.000					ND	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

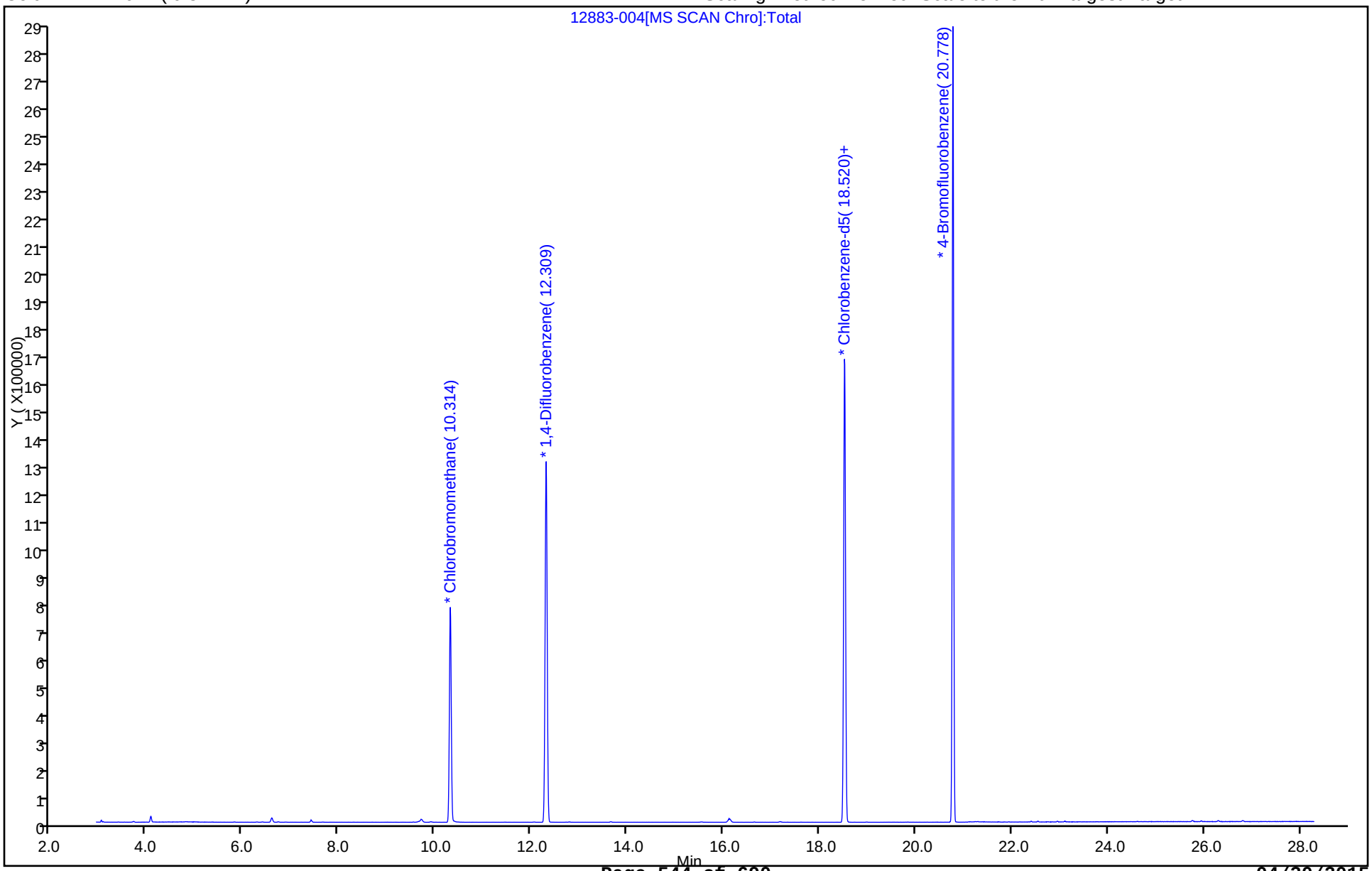
ATTO15GIS_00009 Amount Added: 20.00 Units: mL Run Reagent

Report Date: 31-Mar-2015 16:02:08 Chrom Revision: 2.2 13-Mar-2015 11:20:44

TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHX.i\20150331-12883.b\12883-004.D				
Injection Date:	31-Mar-2015 12:49:30	Instrument ID:	CHX.i	Operator ID:	wrd
Lims ID:	mb			Worklist Smp#:	4
Client ID:					
Purge Vol:	200.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	TO15_LLNJ_TO3_CHX.i.m	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.: 200-27201-1

SDG No.:

Lab File ID: 12475_01.D BFB Injection Date: 03/09/2015

Instrument ID: CHB.i BFB Injection Time: 21:41

Analysis Batch No.: 85319

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	10.2	
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	6.7	
173	Less than 2.0% of mass 174	0.0	(0.0)1
174	50.0 - 120.0% of mass 95	109.0	
175	4.0 - 9.0 % of mass 174	7.8	(7.1)1
176	93.0 - 101.0% of mass 174	106.5	(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
	IC 200-85319/4	12475_04.D	03/10/2015	00:15
	IC 200-85319/5	12475_05.D	03/10/2015	01:07
	ICIS 200-85319/8	12475_08.D	03/10/2015	03:44
	IC 200-85319/9	12475_09.D	03/10/2015	04:36
	IC 200-85319/10	12475_10.D	03/10/2015	05:28
	IC 200-85319/13	12475_13.D	03/10/2015	08:04
	IC 200-85319/15	12475_15.D	03/10/2015	09:49
	IC 200-85319/17	12475_17.D	03/10/2015	11:32
	ICV 200-85319/18	12475_18.D	03/10/2015	12:25

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-27201-1

SDG No.:

Lab File ID: 12762_01.D BFB Injection Date: 03/24/2015

Instrument ID: CHB.i BFB Injection Time: 13:07

Analysis Batch No.: 86009

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	10.1	
75	30.0 - 66.0% of mass 95	37.9	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	6.7	
173	Less than 2.0% of mass 174	0.0	(0.0)1
174	50.0 - 120.0% of mass 95	109.4	
175	4.0 - 9.0 % of mass 174	7.6	(6.9)1
176	93.0 - 101.0% of mass 174	106.2	(97.1)1
177	5.0 - 9.0% of mass 176	6.9	(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 200-86009/2	12762_02.D	03/24/2015	13:56
	MB 200-86009/4	12762_04.D	03/24/2015	15:40
	LCS 200-86009/5	12762_05.D	03/24/2015	16:32
	LCS 200-86009/6	12762_06.D	03/24/2015	17:24
	LCS 200-86009/7	12762_07.D	03/24/2015	18:16
4557	200-27201-9	12762_08.D	03/24/2015	19:08
	CCVC 200-86009/22	12762_22.D	03/25/2015	09:00

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-27201-1

SDG No.:

Lab File ID: 10870_01.D BFB Injection Date: 12/01/2014

Instrument ID: CHC.i BFB Injection Time: 16:37

Analysis Batch No.: 81448

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	18.0	
75	30.0 - 66.0% of mass 95	55.2	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	6.4	
173	Less than 2.0% of mass 174	0.0	(0.0)1
174	50.0 - 120.0% of mass 95	115.6	
175	4.0 - 9.0 % of mass 174	8.5	(7.3)1
176	93.0 - 101.0% of mass 174	113.6	(98.2)1
177	5.0 - 9.0% of mass 176	7.3	(6.4)2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 200-81448/3	10870_03.D	12/01/2014	18:06
	IC 200-81448/4	10870_04.D	12/01/2014	18:53
	IC 200-81448/5	10870_05.D	12/01/2014	19:40
	IC 200-81448/6	10870_06.D	12/01/2014	20:27
	ICIS 200-81448/7	10870_07.D	12/01/2014	21:15
	IC 200-81448/8	10870_08.D	12/01/2014	22:02
	IC 200-81448/9	10870_09.D	12/01/2014	22:49
	IC 200-81448/10	10870_10.D	12/01/2014	23:37
	ICV 200-81448/23	10870_23.D	12/02/2014	15:13

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-27201-1

SDG No.:

Lab File ID: 12780_01.D BFB Injection Date: 03/25/2015

Instrument ID: CHC.i BFB Injection Time: 11:14

Analysis Batch No.: 86038

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	16.7	
75	30.0 - 66.0% of mass 95	48.2	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	6.7	
173	Less than 2.0% of mass 174	0.0	(0.0)1
174	50.0 - 120.0% of mass 95	109.8	
175	4.0 - 9.0 % of mass 174	7.8	(7.1)1
176	93.0 - 101.0% of mass 174	106.9	(97.3)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
	CCVIS 200-86038/2	12780_02.D	03/25/2015	12:00
	LCS 200-86038/3	12780_03.D	03/25/2015	12:47
	MB 200-86038/4	12780_04.D	03/25/2015	13:34
4557	200-27201-9	12780_11.D	03/25/2015	20:26

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-27310-1

SDG No.:

Lab File ID: 10870_01.D BFB Injection Date: 12/01/2014

Instrument ID: CHC.i BFB Injection Time: 16:37

Analysis Batch No.: 81448

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	18.0	
75	30.0 - 66.0% of mass 95	55.2	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	6.4	
173	Less than 2.0% of mass 174	0.0	(0.0)1
174	50.0 - 120.0% of mass 95	115.6	
175	4.0 - 9.0 % of mass 174	8.5	(7.3)1
176	93.0 - 101.0% of mass 174	113.6	(98.2)1
177	5.0 - 9.0% of mass 176	7.3	(6.4)2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 200-81448/3	10870_03.D	12/01/2014	18:06
	IC 200-81448/4	10870_04.D	12/01/2014	18:53
	IC 200-81448/5	10870_05.D	12/01/2014	19:40
	IC 200-81448/6	10870_06.D	12/01/2014	20:27
	ICIS 200-81448/7	10870_07.D	12/01/2014	21:15
	IC 200-81448/8	10870_08.D	12/01/2014	22:02
	IC 200-81448/9	10870_09.D	12/01/2014	22:49
	IC 200-81448/10	10870_10.D	12/01/2014	23:37
	ICV 200-81448/23	10870_23.D	12/02/2014	15:13

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-27310-1

SDG No.:

Lab File ID: 12884_01.D BFB Injection Date: 03/31/2015

Instrument ID: CHC.i BFB Injection Time: 10:07

Analysis Batch No.: 86252

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	17.1	
75	30.0 - 66.0% of mass 95	47.7	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	6.6	
173	Less than 2.0% of mass 174	0.0	(0.0)1
174	50.0 - 120.0% of mass 95	106.6	
175	4.0 - 9.0 % of mass 174	7.5	(7.0)1
176	93.0 - 101.0% of mass 174	102.7	(96.4)1
177	5.0 - 9.0% of mass 176	6.8	(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 200-86252/2	12884_02.D	03/31/2015	10:52
	LCS 200-86252/3	12884_03.D	03/31/2015	11:40
	MB 200-86252/4	12884_04.D	03/31/2015	12:27
4478	200-27310-11	12884_12.D	03/31/2015	19:10

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-27311-1

SDG No.:

Lab File ID: 10870_01.D BFB Injection Date: 12/01/2014

Instrument ID: CHC.i BFB Injection Time: 16:37

Analysis Batch No.: 81448

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	18.0	
75	30.0 - 66.0% of mass 95	55.2	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	6.4	
173	Less than 2.0% of mass 174	0.0	(0.0)1
174	50.0 - 120.0% of mass 95	115.6	
175	4.0 - 9.0 % of mass 174	8.5	(7.3)1
176	93.0 - 101.0% of mass 174	113.6	(98.2)1
177	5.0 - 9.0% of mass 176	7.3	(6.4)2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 200-81448/3	10870_03.D	12/01/2014	18:06
	IC 200-81448/4	10870_04.D	12/01/2014	18:53
	IC 200-81448/5	10870_05.D	12/01/2014	19:40
	IC 200-81448/6	10870_06.D	12/01/2014	20:27
	ICIS 200-81448/7	10870_07.D	12/01/2014	21:15
	IC 200-81448/8	10870_08.D	12/01/2014	22:02
	IC 200-81448/9	10870_09.D	12/01/2014	22:49
	IC 200-81448/10	10870_10.D	12/01/2014	23:37
	ICV 200-81448/23	10870_23.D	12/02/2014	15:13

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-27311-1

SDG No.:

Lab File ID: 12884_01.D BFB Injection Date: 03/31/2015

Instrument ID: CHC.i BFB Injection Time: 10:07

Analysis Batch No.: 86252

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	17.1	
75	30.0 - 66.0% of mass 95	47.7	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	6.6	
173	Less than 2.0% of mass 174	0.0	(0.0)1
174	50.0 - 120.0% of mass 95	106.6	
175	4.0 - 9.0 % of mass 174	7.5	(7.0)1
176	93.0 - 101.0% of mass 174	102.7	(96.4)1
177	5.0 - 9.0% of mass 176	6.8	(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 200-86252/2	12884_02.D	03/31/2015	10:52
	LCS 200-86252/3	12884_03.D	03/31/2015	11:40
	MB 200-86252/4	12884_04.D	03/31/2015	12:27
3517	200-27311-7	12884_11.D	03/31/2015	18:11

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-27312-1

SDG No.:

Lab File ID: 12677-001.D BFB Injection Date: 03/19/2015

Instrument ID: CHX.i BFB Injection Time: 16:11

Analysis Batch No.: 85787

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	13.7	
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	6.4	
173	Less than 2.0% of mass 174	0.8	(0.8)1
174	50.0 - 120.0% of mass 95	102.6	
175	4.0 - 9.0 % of mass 174	7.4	(7.2)1
176	93.0 - 101.0% of mass 174	100.0	(97.4)1
177	5.0 - 9.0% of mass 176	6.5	(6.5)2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 200-85787/4	12677-004.D	03/19/2015	18:34
	IC 200-85787/5	12677-005.D	03/19/2015	19:23
	IC 200-85787/6	12677-006.D	03/19/2015	20:12
	IC 200-85787/7	12677-007.D	03/19/2015	21:01
	ICIS 200-85787/8	12677-008.D	03/19/2015	21:50
	IC 200-85787/9	12677-009.D	03/19/2015	22:39
	IC 200-85787/10	12677-010.D	03/19/2015	23:28
	IC 200-85787/11	12677-011.D	03/20/2015	00:18
	ICV 200-85787/19	12677-019.D	03/20/2015	09:46

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-27312-1

SDG No.:

Lab File ID: 12883-001.D BFB Injection Date: 03/31/2015

Instrument ID: CHX.i BFB Injection Time: 10:24

Analysis Batch No.: 86250

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	13.7	
75	30.0 - 66.0% of mass 95	43.8	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	6.5	
173	Less than 2.0% of mass 174	0.8	(0.8)1
174	50.0 - 120.0% of mass 95	107.0	
175	4.0 - 9.0 % of mass 174	7.5	(7.0)1
176	93.0 - 101.0% of mass 174	104.4	(97.6)1
177	5.0 - 9.0% of mass 176	6.6	(6.3)2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 200-86250/2	12883-002.D	03/31/2015	11:10
	LCS 200-86250/3	12883-003.D	03/31/2015	11:59
	MB 200-86250/4	12883-004.D	03/31/2015	12:49
3283	200-27312-6	12883-027.D	04/01/2015	07:54

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

Lab Name: TestAmerica Burlington Job No.: 200-27201-1

SDG No.:

Sample No.: ICIS 200-81448/7 Date Analyzed: 12/01/2014 21:15

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

Lab File ID (Standard): 10870_07.D Heated Purge: (Y/N) N

Calibration ID: 28956

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		371512	10.51	1584325	12.51	1314727	18.56
UPPER LIMIT		520117	10.84	2218055	12.84	1840618	18.89
LOWER LIMIT		222907	10.18	950595	12.18	788836	18.23
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 200-81448/23		423344	10.50	1876645	12.51	1629548	18.56

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.: 200-27201-1

SDG No.:

Sample No.: CCVIS 200-86038/2 Date Analyzed: 03/25/2015 12:00

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

Lab File ID (Standard): 12780_02.D Heated Purge: (Y/N) N

Calibration ID: 28956

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		431632	10.48	1948930	12.49	1704392	18.54
UPPER LIMIT		604285	10.81	2728502	12.82	2386149	18.87
LOWER LIMIT		258979	10.15	1169358	12.16	1022635	18.21
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 200-86038/3		410627	10.48	1826782	12.49	1653692	18.54
MB 200-86038/4		418374	10.48	2007514	12.49	1704586	18.54
200-27201-9	4557	404614	10.48	1912995	12.49	1624208	18.54

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.: 200-27201-1

SDG No.:

Sample No.: ICIS 200-85319/8 Date Analyzed: 03/10/2015 03:44

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

Lab File ID (Standard): 12475_08.D Heated Purge: (Y/N) N

Calibration ID: 30048

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		526641	9.87	2522267	11.27	2229975	15.36
UPPER LIMIT		737297	10.20	3531174	11.60	3121965	15.69
LOWER LIMIT		315985	9.54	1513360	10.94	1337985	15.03
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 200-85319/18		577126	9.87	2748991	11.27	2444601	15.36

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

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO15LL/NJ

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

Lab Name: TestAmerica Burlington Job No.: 200-27201-1

SDG No.:

Sample No.: CCVIS 200-86009/2 Date Analyzed: 03/24/2015 13:56

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

Lab File ID (Standard): 12762_02.D Heated Purge: (Y/N) N

Calibration ID: 30048

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		764118	9.86	3590738	11.26	3161731	15.36
UPPER LIMIT		1069765	10.19	5027033	11.59	4426423	15.69
LOWER LIMIT		458471	9.53	2154443	10.93	1897039	15.03
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 200-86009/4		780936	9.86	3790157	11.26	3231134	15.36
LCS 200-86009/5		754466	9.86	3608865	11.26	3119084	15.36
LCS 200-86009/6		705409	9.86	3410435	11.26	2999563	15.36
LCS 200-86009/7		687985	9.86	3325551	11.26	3032270	15.36
200-27201-9	4557	725862	9.85	3529073	11.26	2996125	15.36
CCVC 200-86009/22		748005	9.86	3569008	11.26	3193872	15.36

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

RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO15LL/NJ

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

Lab Name: TestAmerica Burlington Job No.: 200-27310-1

SDG No.:

Sample No.: ICIS 200-81448/7 Date Analyzed: 12/01/2014 21:15

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

Lab File ID (Standard): 10870_07.D Heated Purge: (Y/N) N

Calibration ID: 28956

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		371512	10.51	1584325	12.51	1314727	18.56
UPPER LIMIT		520117	10.84	2218055	12.84	1840618	18.89
LOWER LIMIT		222907	10.18	950595	12.18	788836	18.23
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 200-81448/23		423344	10.50	1876645	12.51	1629548	18.56

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.: 200-27310-1

SDG No.:

Sample No.: CCVIS 200-86252/2 Date Analyzed: 03/31/2015 10:52

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

Lab File ID (Standard): 12884_02.D Heated Purge: (Y/N) N

Calibration ID: 28956

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		466930	10.48	2168147	12.49	1872352	18.54
UPPER LIMIT		653702	10.81	3035406	12.82	2621293	18.87
LOWER LIMIT		280158	10.15	1300888	12.16	1123411	18.21
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 200-86252/3		436415	10.48	1961772	12.49	1763951	18.54
MB 200-86252/4		430885	10.48	2087116	12.49	1753454	18.54
200-27310-11	4478	464275	10.47	2292362	12.49	1940204	18.54

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.: 200-27311-1

SDG No.:

Sample No.: ICIS 200-81448/7 Date Analyzed: 12/01/2014 21:15

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

Lab File ID (Standard): 10870_07.D Heated Purge: (Y/N) N

Calibration ID: 28956

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		371512	10.51	1584325	12.51	1314727	18.56
UPPER LIMIT		520117	10.84	2218055	12.84	1840618	18.89
LOWER LIMIT		222907	10.18	950595	12.18	788836	18.23
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 200-81448/23		423344	10.50	1876645	12.51	1629548	18.56

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.: 200-27311-1

SDG No.:

Sample No.: CCVIS 200-86252/2 Date Analyzed: 03/31/2015 10:52

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

Lab File ID (Standard): 12884_02.D Heated Purge: (Y/N) N

Calibration ID: 28956

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		466930	10.48	2168147	12.49	1872352	18.54
UPPER LIMIT		653702	10.81	3035406	12.82	2621293	18.87
LOWER LIMIT		280158	10.15	1300888	12.16	1123411	18.21
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 200-86252/3		436415	10.48	1961772	12.49	1763951	18.54
MB 200-86252/4		430885	10.48	2087116	12.49	1753454	18.54
200-27311-7	3517	440673	10.47	2136183	12.48	1800959	18.54

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.: 200-27312-1

SDG No.:

Sample No.: ICIS 200-85787/8 Date Analyzed: 03/19/2015 21:50

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

Lab File ID (Standard): 12677-008.D Heated Purge: (Y/N) N

Calibration ID: 30154

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		290160	10.32	1575648	12.32	1464918	18.53
UPPER LIMIT		406224	10.65	2205907	12.65	2050885	18.86
LOWER LIMIT		174096	9.99	945389	11.99	878951	18.20
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 200-85787/19		303857	10.32	1629499	12.32	1513223	18.53

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.: 200-27312-1

SDG No.:

Sample No.: CCVIS 200-86250/2 Date Analyzed: 03/31/2015 11:10

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

Lab File ID (Standard): 12883-002.D Heated Purge: (Y/N) N

Calibration ID: 30154

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		387420	10.31	1998849	12.31	1797134	18.52
UPPER LIMIT		542388	10.64	2798389	12.64	2515988	18.85
LOWER LIMIT		232452	9.98	1199309	11.98	1078280	18.19
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 200-86250/3		384949	10.31	1989501	12.31	1788527	18.52
MB 200-86250/4		380282	10.31	1980927	12.31	1773092	18.52
200-27312-6	3283	349075	10.30	1827310	12.30	1611776	18.52

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

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO-15

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

Lab Name: TestAmerica Burlington Job No.: 200-27201-1

SDG No.:

Client Sample ID: 4557 Lab Sample ID: 200-27201-9

Matrix: Air Lab File ID: 12762_08.D

Analysis Method: TO15LL/NJ Date Collected: 03/21/2015 00:00

Sample wt/vol: 500(mL) Date Analyzed: 03/24/2015 19:08

Soil Aliquot Vol: Dilution Factor: 0.4

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 86009 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	0.50	U	0.50	0.022
76-14-2	1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.021
74-87-3	Chloromethane	0.50	U	0.50	0.024
75-01-4	Vinyl chloride	0.20	U	0.20	0.010
106-99-0	1,3-Butadiene	0.20	U	0.20	0.014
74-83-9	Bromomethane	0.20	U	0.20	0.018
75-00-3	Chloroethane	0.50	U	0.50	0.024
593-60-2	Vinyl bromide	0.20	U	0.20	0.0080
75-69-4	Trichlorofluoromethane	0.20	U	0.20	0.018
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.20	U	0.20	0.016
75-35-4	1,1-Dichloroethene	0.20	U	0.20	0.0040
67-64-1	Acetone	2.0	U	2.0	0.28
75-15-0	Carbon disulfide	0.50	U	0.50	0.012
67-63-0	Isopropanol	5.0	U	5.0	0.060
107-05-1	Allyl chloride	0.20	U	0.20	0.064
75-09-2	Methylene Chloride	0.50	U	0.50	0.048
75-65-0	tert-Butyl alcohol	2.0	U	2.0	0.048
1634-04-4	Methyl tert-butyl ether	0.20	U	0.20	0.0088
156-60-5	1,2-Dichloroethene, trans-	0.20	U	0.20	0.011
110-54-3	n-Hexane	0.20	U	0.20	0.011
75-34-3	1,1-Dichloroethane	0.20	U	0.20	0.011
156-59-2	1,2-Dichloroethene, cis-	0.20	U	0.20	0.012
78-93-3	Methyl Ethyl Ketone	0.50	U *	0.50	0.037
67-66-3	Chloroform	0.20	U	0.20	0.015
109-99-9	Tetrahydrofuran	2.0	U	2.0	0.072
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	0.012
110-82-7	Cyclohexane	0.20	U	0.20	0.0040
56-23-5	Carbon tetrachloride	0.20	U	0.20	0.0044
540-84-1	2,2,4-Trimethylpentane	0.20	U	0.20	0.0092
71-43-2	Benzene	0.20	U	0.20	0.012
107-06-2	1,2-Dichloroethane	0.20	U	0.20	0.021
142-82-5	n-Heptane	0.20	U	0.20	0.015
79-01-6	Trichloroethene	0.20	U	0.20	0.012
78-87-5	1,2-Dichloropropane	0.20	U	0.20	0.014
80-62-6	Methyl methacrylate	0.50	U	0.50	0.038

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

Lab Name: TestAmerica Burlington Job No.: 200-27201-1

SDG No.:

Client Sample ID: 4557 Lab Sample ID: 200-27201-9

Matrix: Air Lab File ID: 12762_08.D

Analysis Method: TO15LL/NJ Date Collected: 03/21/2015 00:00

Sample wt/vol: 500(mL) Date Analyzed: 03/24/2015 19:08

Soil Aliquot Vol: Dilution Factor: 0.4

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 86009 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
123-91-1	1,4-Dioxane	2.0	U	2.0	0.064
75-27-4	Bromodichloromethane	0.20	U	0.20	0.012
10061-01-5	1,3-Dichloropropene, cis-	0.20	U	0.20	0.012
108-10-1	methyl isobutyl ketone	0.50	U	0.50	0.072
108-88-3	Toluene	0.20	U	0.20	0.010
10061-02-6	1,3-Dichloropropene, trans-	0.20	U	0.20	0.010
79-00-5	1,1,2-Trichloroethane	0.20	U	0.20	0.015
127-18-4	Tetrachloroethene	0.20	U	0.20	0.012
124-48-1	Dibromochloromethane	0.20	U	0.20	0.0080
106-93-4	1,2-Dibromoethane	0.20	U	0.20	0.0072
108-90-7	Chlorobenzene	0.20	U	0.20	0.0072
100-41-4	Ethylbenzene	0.20	U	0.20	0.0080
179601-23-1	m-Xylene & p-Xylene	0.50	U	0.50	0.010
95-47-6	o-Xylene	0.20	U	0.20	0.0072
100-42-5	Styrene	0.20	U	0.20	0.0064
75-25-2	Bromoform	0.20	U	0.20	0.010
79-34-5	1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.014
622-96-8	4-Ethyltoluene	0.20	U	0.20	0.0080
108-67-8	1,3,5-Trimethylbenzene	0.20	U	0.20	0.0076
95-49-8	2-Chlorotoluene	0.20	U	0.20	0.012
95-63-6	1,2,4-Trimethylbenzene	0.20	U	0.20	0.0064
541-73-1	1,3-Dichlorobenzene	0.20	U	0.20	0.0080
106-46-7	1,4-Dichlorobenzene	0.20	U	0.20	0.0076
95-50-1	1,2-Dichlorobenzene	0.20	U	0.20	0.0072
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.50	0.014
87-68-3	Hexachlorobutadiene	0.20	U	0.20	0.014
91-20-3	Naphthalene	0.20	U	0.20	0.012

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\Btv-lims1\chromdata\CHB.i\20150324-12762.b\12762_08.D
Lims ID: 200-27201-A-9 Lab Sample ID: 200-27201-9
Client ID: 4557
Sample Type: Client
Inject. Date: 24-Mar-2015 19:08:30 ALS Bottle#: 9 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 0.4000
Sample Info: 200-0012762-008
Misc. Info.: 27201-09
Operator ID: pad Instrument ID: CHB.i

Method: \\Btv-lims1\chromdata\CHB.i\20150324-12762.b\TO15_LLNJ_TO3.m
Limit Group: AI_TO15LLNJ_ICAL
Last Update: 25-Mar-2015 10:49:02 Calib Date: 10-Mar-2015 11:32:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\Btv-lims1\chromdata\CHB.i\20150309-12475.b\12475_17.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK020

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85		3.219				ND	
4 1,2-Dichloro-1,1,2,2-tetra	85		3.448				ND	
5 Chloromethane	50		3.581				ND	
7 Vinyl chloride	62		3.800				ND	
8 Butadiene	54		3.870				ND	
10 Bromomethane	94		4.569				ND	
11 Chloroethane	64		4.809				ND	
13 Vinyl bromide	106		5.225				ND	
14 Trichlorofluoromethane	101		5.321				ND	
19 1,1,2-Trichloro-1,2,2-trif	101		6.362				ND	
20 1,1-Dichloroethene	96		6.442				ND	
21 Acetone	43		6.613				ND	
22 Isopropyl alcohol	45		6.816				ND	
23 Carbon disulfide	76		6.874				ND	
24 3-Chloro-1-propene	41		7.157				ND	
27 Methylene Chloride	49		7.424				ND	
28 2-Methyl-2-propanol	59		7.520				ND	
29 Methyl tert-butyl ether	73		7.750				ND	
30 trans-1,2-Dichloroethene	61		7.824				ND	
32 Hexane	57		8.139				ND	
33 1,1-Dichloroethane	63		8.577				ND	
* 39 Chlorobromomethane	128	9.852	9.858	-0.006	74	725862	10.0	
36 2-Butanone (MEK)	72		9.479				ND	
37 cis-1,2-Dichloroethene	96		9.484				ND	
38 Tetrahydrofuran	42		9.858				ND	
40 Chloroform	83		9.927				ND	
42 1,1,1-Trichloroethane	97		10.178				ND	
43 Cyclohexane	84		10.183				ND	
44 Carbon tetrachloride	117		10.381				ND	
45 Isooctane	57		10.653				ND	
46 Benzene	78		10.717				ND	
47 1,2-Dichloroethane	62		10.824				ND	

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
	48 n-Heptane	43		10.904				ND	
*	50 1,4-Difluorobenzene	114	11.256	11.256	0.000	92	3529073	10.0	
	53 Trichloroethene	95		11.619				ND	
	54 1,2-Dichloropropane	63		12.003				ND	
	55 Methyl methacrylate	69		12.030				ND	
	56 1,4-Dioxane	88		12.126				ND	
	58 Dichlorobromomethane	83		12.361				ND	
	60 cis-1,3-Dichloropropene	75		12.985				ND	
	61 4-Methyl-2-pentanone (MIBK	43		13.135				ND	
	64 Toluene	92		13.417				ND	
	66 trans-1,3-Dichloropropene	75		13.780				ND	
	67 1,1,2-Trichloroethane	83		14.058				ND	
	68 Tetrachloroethene	166		14.175				ND	
	70 Chlorodibromomethane	129		14.602				ND	
	71 Ethylene Dibromide	107		14.805				ND	
*	72 Chlorobenzene-d5	117	15.355	15.355	0.000	81	2996125	10.0	
	73 Chlorobenzene	112		15.392				ND	
	74 Ethylbenzene	91		15.456				ND	
	76 m-Xylene & p-Xylene	106		15.600				ND	
	78 o-Xylene	106		16.113				ND	
	79 Styrene	104		16.134				ND	
	80 Bromoform	173		16.433				ND	
$	82 4-Bromofluorobenzene	95	16.774	16.780	-0.006	98	1743987		NC
	83 1,1,2,2-Tetrachloroethane	83		16.929				ND	
	87 4-Ethyltoluene	105		17.116				ND	
	88 2-Chlorotoluene	91		17.164				ND	
	89 1,3,5-Trimethylbenzene	105		17.185				ND	
	92 1,2,4-Trimethylbenzene	105		17.634				ND	
	95 1,3-Dichlorobenzene	146		18.060				ND	
	96 1,4-Dichlorobenzene	146		18.173				ND	
	100 1,2-Dichlorobenzene	146		18.669				ND	
	103 1,2,4-Trichlorobenzene	180		21.081				ND	
	104 Hexachlorobutadiene	225		21.241				ND	
	105 Naphthalene	128		21.583				ND	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

ATTO15BISs_00006 Amount Added: 20.00 Units: mL Run Reagent

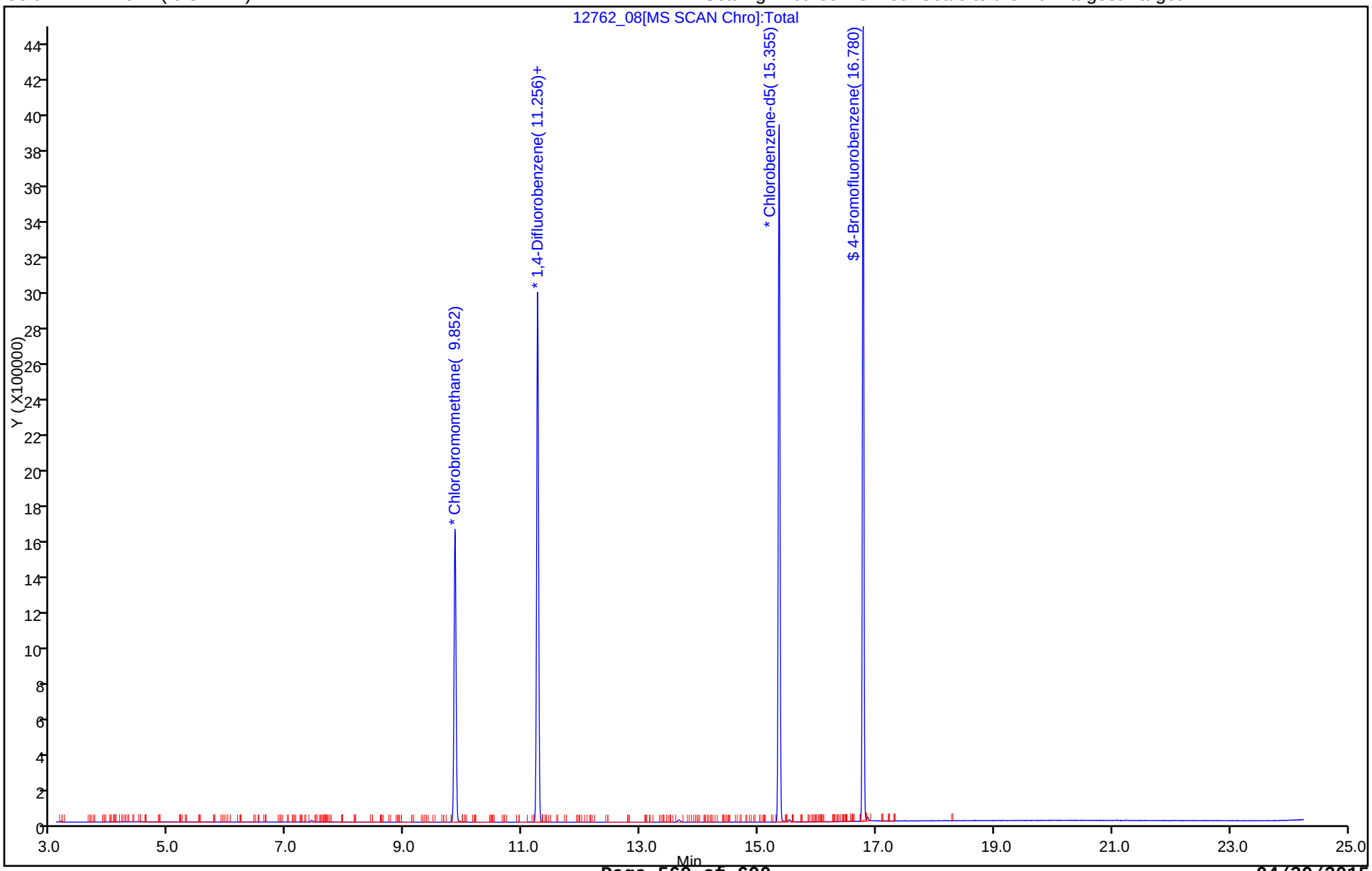
Report Date: 25-Mar-2015 10:49:08 Chrom Revision: 2.2 13-Mar-2015 11:20:44

TestAmerica Burlington

Data File: \\Btv-lims1\chromdata\CHB.i\20150324-12762.b\12762_08.D

Injection Date:	24-Mar-2015 19:08:30	Instrument ID:	CHB.i	Operator ID:	pad
Lims ID:	200-27201-A-9	Lab Sample ID:	200-27201-9	Worklist Smp#:	8
Client ID:	4557				
Purge Vol:	5.000 mL	Dil. Factor:	0.4000	ALS Bottle#:	9
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15LLNJ_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.: 200-27201-1

SDG No.:

Client Sample ID: 4557 Lab Sample ID: 200-27201-9

Matrix: Air Lab File ID: 12780_11.D

Analysis Method: TO-15 Date Collected: 03/21/2015 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 03/25/2015 20:26

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.: 86038 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.: 200-27201-1

SDG No.:

Client Sample ID: 4557 Lab Sample ID: 200-27201-9

Matrix: Air Lab File ID: 12780_11.D

Analysis Method: TO-15 Date Collected: 03/21/2015 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 03/25/2015 20:26

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.: 86038 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.: 200-27201-1

SDG No.:

Client Sample ID: 4557 Lab Sample ID: 200-27201-9

Matrix: Air Lab File ID: 12780_11.D

Analysis Method: TO-15 Date Collected: 03/21/2015 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 03/25/2015 20:26

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.: 86038 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.040	U	0.040	0.040
104-51-8	n-Butylbenzene	0.040	U	0.040	0.040
95-50-1	1,2-Dichlorobenzene	0.040	U	0.040	0.040
120-82-1	1,2,4-Trichlorobenzene	0.10	U	0.10	0.10
87-68-3	Hexachlorobutadiene	0.040	U	0.040	0.040
91-20-3	Naphthalene	0.10	U	0.10	0.10

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHC.i\20150325-12780.b\12780_11.D
Lims ID: 200-27201-A-9 Lab Sample ID: 200-27201-9
Client ID: 4557
Sample Type: Client
Inject. Date: 25-Mar-2015 20:26:30 ALS Bottle#: 11 Worklist Smp#: 11
Purge Vol: 200.000 mL Dil. Factor: 0.2000
Sample Info: 200-0012780-011
Misc. Info.: 27201-09
Operator ID: pad Instrument ID: CHC.i

Method: \\BTV-LIMS1\ChromData\CHC.i\20150325-12780.b\TO15_LLNJ_TO3_CHC.m
Limit Group: AI_TO15_ICAL
Last Update: 26-Mar-2015 09:49:14 Calib Date: 01-Dec-2014 23:37:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHC.i\20141201-10870.b\10870_10.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK048

First Level Reviewer: daiglep Date: 26-Mar-2015 09:30:46

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
1 Propene	41		2.985				ND	
2 Dichlorodifluoromethane	85		3.060				ND	
3 Chlorodifluoromethane	51		3.113				ND	
4 1,2-Dichloro-1,1,2,2-tetra	85		3.332				ND	
5 Chloromethane	50		3.471				ND	
6 Butane	43		3.674				ND	
7 Vinyl chloride	62		3.722				ND	
8 Butadiene	54		3.802				ND	
9 Bromomethane	94		4.501				ND	
10 Chloroethane	64		4.746				ND	
13 Vinyl bromide	106		5.152				ND	
14 Trichlorofluoromethane	101		5.259				ND	
16 Ethanol	45		5.889				ND	
19 1,1,2-Trichloro-1,2,2-trif	101		6.374				ND	
20 1,1-Dichloroethene	96		6.412				ND	
21 Acetone	43		6.673				ND	
22 Carbon disulfide	76		6.790				ND	
23 Isopropyl alcohol	45		6.999				ND	
25 3-Chloro-1-propene	41		7.223				ND	
27 Methylene Chloride	49	7.538	7.532	0.006	83	4620	0.1288	
28 2-Methyl-2-propanol	59		7.788				ND	
29 Methyl tert-butyl ether	73		7.943				ND	
30 trans-1,2-Dichloroethene	61		7.975				ND	
32 Hexane	57		8.370				ND	
33 1,1-Dichloroethane	63		8.872				ND	
34 Vinyl acetate	43		8.968				ND	
35 cis-1,2-Dichloroethene	96		10.009				ND	
36 2-Butanone (MEK)	72		10.073				ND	
37 Ethyl acetate	88		10.121				ND	
S 38 1,2-Dichloroethene, Total	61		10.200				ND	
* 40 Chlorobromomethane	128	10.478	10.484	-0.006	69	404614	10.0	

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
	39 Tetrahydrofuran	42		10.484				ND	
	41 Chloroform	83		10.622				ND	
	42 Cyclohexane	84		10.852				ND	
	43 1,1,1-Trichloroethane	97		10.889				ND	
	44 Carbon tetrachloride	117		11.135				ND	
	46 Isooctane	57		11.583				ND	
	47 Benzene	78	11.615	11.615	0.000	1	556	0.004996	
	48 1,2-Dichloroethane	62		11.812				ND	
	49 n-Heptane	43		11.989				ND	
*	50 1,4-Difluorobenzene	114	12.485	12.485	0.000	93	1912995	10.0	
	52 Trichloroethene	95		12.949				ND	
	54 1,2-Dichloropropane	63		13.520				ND	
	55 Methyl methacrylate	69		13.707				ND	
	56 1,4-Dioxane	88		13.760				ND	
	57 Dibromomethane	174		13.787				ND	
	58 Dichlorobromomethane	83		14.097				ND	
	60 cis-1,3-Dichloropropene	75		15.041				ND	
	61 4-Methyl-2-pentanone (MIBK	43		15.340				ND	
	62 Toluene	92	15.644	15.628	0.016	12	162	0.001738	
	66 trans-1,3-Dichloropropene	75		16.247				ND	
	67 1,1,2-Trichloroethane	83		16.621				ND	
	68 Tetrachloroethene	166		16.712				ND	
	69 2-Hexanone	43		17.069				ND	
	70 Chlorodibromomethane	129		17.379				ND	
	71 Ethylene Dibromide	107		17.646				ND	
*	72 Chlorobenzene-d5	117	18.537	18.542	-0.005	85	1624208	10.0	
	73 Chlorobenzene	112		18.601				ND	
	75 Ethylbenzene	91		18.750				ND	
	77 m-Xylene & p-Xylene	106		19.001				ND	
	78 o-Xylene	106		19.839				ND	
	79 Styrene	104		19.893				ND	
S	80 Xylenes, Total	106		20.100				ND	
	81 Bromoform	173		20.314				ND	
	82 Isopropylbenzene	105		20.522				ND	
	83 1,1,2,2-Tetrachloroethane	83		21.179				ND	
	84 N-Propylbenzene	91		21.237				ND	
	87 4-Ethyltoluene	105		21.430				ND	
	88 2-Chlorotoluene	91		21.435				ND	
	89 1,3,5-Trimethylbenzene	105		21.536				ND	
	91 tert-Butylbenzene	119		22.022				ND	
	92 1,2,4-Trimethylbenzene	105		22.118				ND	
	93 sec-Butylbenzene	105		22.342				ND	
	94 4-Isopropyltoluene	119		22.545				ND	
	95 1,3-Dichlorobenzene	146		22.572				ND	
	96 1,4-Dichlorobenzene	146		22.710				ND	
	97 Benzyl chloride	91		22.908				ND	
	98 n-Butylbenzene	91		23.111				ND	
	100 1,2-Dichlorobenzene	146		23.239				ND	
	102 1,2,4-Trichlorobenzene	180		25.715				ND	
	103 Hexachlorobutadiene	225		25.897				ND	
	104 Naphthalene	128		26.195				ND	
$	108 4-Bromofluorobenzene	95	20.891	20.891	0.000	93	951361	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

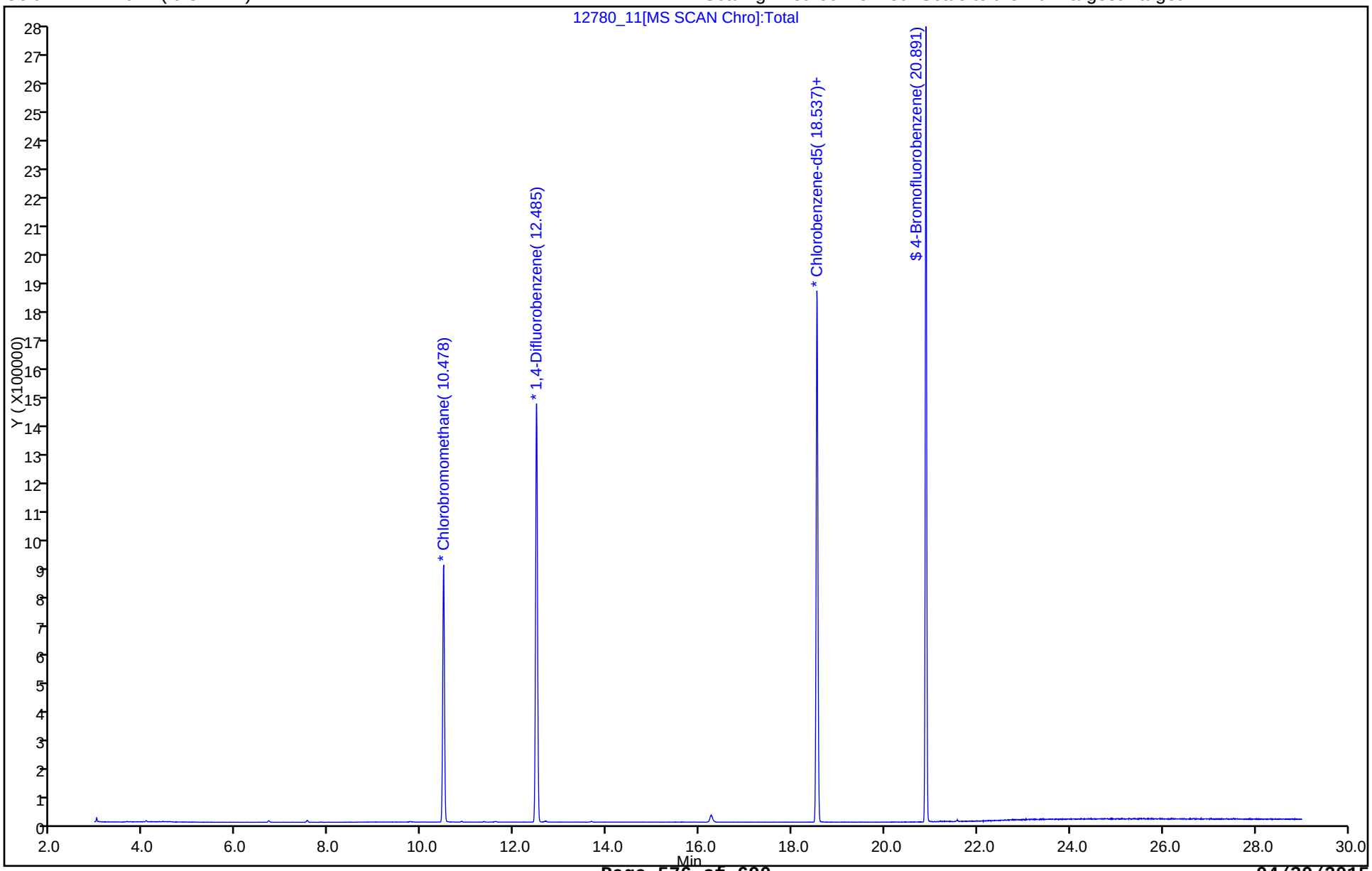
ATTO15CISs_00006 Amount Added: 20.00 Units: mL Run Reagent

Report Date: 26-Mar-2015 09:49:21 Chrom Revision: 2.2 13-Mar-2015 11:20:44

TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20150325-12780.b\12780_11.D				
Injection Date:	25-Mar-2015 20:26:30	Instrument ID:	CHC.i	Operator ID:	pad
Lims ID:	200-27201-A-9	Lab Sample ID:	200-27201-9	Worklist Smp#:	11
Client ID:	4557				
Purge Vol:	200.000 mL	Dil. Factor:	0.2000	ALS Bottle#:	11
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.: 200-27310-1

SDG No.:

Client Sample ID: 4478 Lab Sample ID: 200-27310-11

Matrix: Air Lab File ID: 12884_12.D

Analysis Method: TO-15 Date Collected: 03/30/2015 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 03/31/2015 19:10

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.: 86252 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.: 200-27310-1

SDG No.:

Client Sample ID: 4478 Lab Sample ID: 200-27310-11

Matrix: Air Lab File ID: 12884_12.D

Analysis Method: TO-15 Date Collected: 03/30/2015 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 03/31/2015 19:10

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.: 86252 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.: 200-27310-1

SDG No.:

Client Sample ID: 4478 Lab Sample ID: 200-27310-11

Matrix: Air Lab File ID: 12884_12.D

Analysis Method: TO-15 Date Collected: 03/30/2015 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 03/31/2015 19:10

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.: 86252 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.040	U	0.040	0.040
104-51-8	n-Butylbenzene	0.040	U	0.040	0.040
95-50-1	1,2-Dichlorobenzene	0.040	U	0.040	0.040
120-82-1	1,2,4-Trichlorobenzene	0.10	U	0.10	0.10
87-68-3	Hexachlorobutadiene	0.040	U	0.040	0.040
91-20-3	Naphthalene	0.10	U	0.10	0.10

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHC.i\20150331-12884.b\12884_12.D
Lims ID: 200-27310-A-11 Lab Sample ID: 200-27310-11
Client ID: 4478
Sample Type: Client
Inject. Date: 31-Mar-2015 19:10:30 ALS Bottle#: 12 Worklist Smp#: 12
Purge Vol: 200.000 mL Dil. Factor: 0.2000
Sample Info: 200-0012884-012
Misc. Info.: 27310-11
Operator ID: pad Instrument ID: CHC.i

Method: \\BTV-LIMS1\ChromData\CHC.i\20150331-12884.b\TO15_LLNJ_TO3_CHC.m
Limit Group: AI_TO15_ICAL
Last Update: 01-Apr-2015 15:42:39 Calib Date: 01-Dec-2014 23:37:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHC.i\20141201-10870.b\10870_10.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK031

First Level Reviewer: daiglep Date: 01-Apr-2015 15:24:02

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
1 Propene	41		2.985				ND	
2 Dichlorodifluoromethane	85		3.055				ND	
3 Chlorodifluoromethane	51		3.108				ND	
4 1,2-Dichloro-1,1,2,2-tetra	85		3.327				ND	
5 Chloromethane	50		3.466				ND	
6 Butane	43		3.674				ND	
7 Vinyl chloride	62		3.716				ND	
8 Butadiene	54		3.797				ND	
9 Bromomethane	94		4.496				ND	
10 Chloroethane	64		4.747				ND	
13 Vinyl bromide	106		5.147				ND	
14 Trichlorofluoromethane	101		5.254				ND	
16 Ethanol	45		5.883				ND	
19 1,1,2-Trichloro-1,2,2-trif	101		6.369				ND	
20 1,1-Dichloroethene	96		6.406				ND	
21 Acetone	43		6.668				ND	
22 Carbon disulfide	76	6.796	6.785	0.011	99	6884	0.0654	
23 Isopropyl alcohol	45		6.993				ND	
25 3-Chloro-1-propene	41		7.223				ND	
27 Methylene Chloride	49	7.532	7.527	0.005	86	3259	0.0792	
28 2-Methyl-2-propanol	59		7.783				ND	
29 Methyl tert-butyl ether	73		7.938				ND	
30 trans-1,2-Dichloroethene	61		7.975				ND	
32 Hexane	57		8.365				ND	
33 1,1-Dichloroethane	63		8.867				ND	
34 Vinyl acetate	43		8.963				ND	
35 cis-1,2-Dichloroethene	96		10.009				ND	
36 2-Butanone (MEK)	72		10.067				ND	
37 Ethyl acetate	88		10.121				ND	
* 40 Chlorobromomethane	128	10.473	10.478	-0.005	71	464275	10.0	
S 38 1,2-Dichloroethene, Total	61		10.200				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
39 Tetrahydrofuran	42		10.478				ND	
41 Chloroform	83		10.622				ND	
42 Cyclohexane	84		10.852				ND	
43 1,1,1-Trichloroethane	97		10.884				ND	
44 Carbon tetrachloride	117		11.135				ND	
46 Isooctane	57		11.588				ND	
47 Benzene	78	11.615	11.615	0.000	1	497	0.003727	
48 1,2-Dichloroethane	62		11.813				ND	
49 n-Heptane	43		11.989				ND	
* 50 1,4-Difluorobenzene	114	12.485	12.485	0.000	93	2292362	10.0	
52 Trichloroethene	95		12.949				ND	
54 1,2-Dichloropropane	63		13.526				ND	
55 Methyl methacrylate	69		13.707				ND	
56 1,4-Dioxane	88		13.761				ND	
57 Dibromomethane	174		13.787				ND	
58 Dichlorobromomethane	83		14.091				ND	
60 cis-1,3-Dichloropropene	75		15.041				ND	
61 4-Methyl-2-pentanone (MIBK	43		15.340				ND	
62 Toluene	92	15.623	15.628	-0.005	1	160	0.001437	
66 trans-1,3-Dichloropropene	75		16.242				ND	
67 1,1,2-Trichloroethane	83		16.616				ND	
68 Tetrachloroethene	166		16.712				ND	
69 2-Hexanone	43		17.069				ND	
70 Chlorodibromomethane	129		17.379				ND	
71 Ethylene Dibromide	107		17.640				ND	
* 72 Chlorobenzene-d5	117	18.537	18.537	0.000	85	1940204	10.0	
73 Chlorobenzene	112		18.601				ND	
75 Ethylbenzene	91		18.751				ND	
77 m-Xylene & p-Xylene	106		19.001				ND	
78 o-Xylene	106		19.839				ND	
79 Styrene	104		19.893				ND	
S 80 Xylenes, Total	106		20.100				ND	
81 Bromoform	173		20.314				ND	
82 Isopropylbenzene	105		20.522				ND	
83 1,1,2,2-Tetrachloroethane	83		21.179				ND	
84 N-Propylbenzene	91		21.238				ND	
87 4-Ethyltoluene	105		21.430				ND	
88 2-Chlorotoluene	91		21.435				ND	
89 1,3,5-Trimethylbenzene	105		21.536				ND	
91 tert-Butylbenzene	119		22.022				ND	
92 1,2,4-Trimethylbenzene	105		22.118				ND	
93 sec-Butylbenzene	105		22.342				ND	
94 4-Isopropyltoluene	119		22.545				ND	
95 1,3-Dichlorobenzene	146		22.577				ND	
96 1,4-Dichlorobenzene	146		22.711				ND	
97 Benzyl chloride	91		22.908				ND	
98 n-Butylbenzene	91		23.111				ND	
100 1,2-Dichlorobenzene	146		23.239				ND	
102 1,2,4-Trichlorobenzene	180		25.715				ND	
103 Hexachlorobutadiene	225		25.897				ND	
104 Naphthalene	128		26.196				ND	
$ 108 4-Bromofluorobenzene	95	20.891	20.891	0.000	93	955125	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

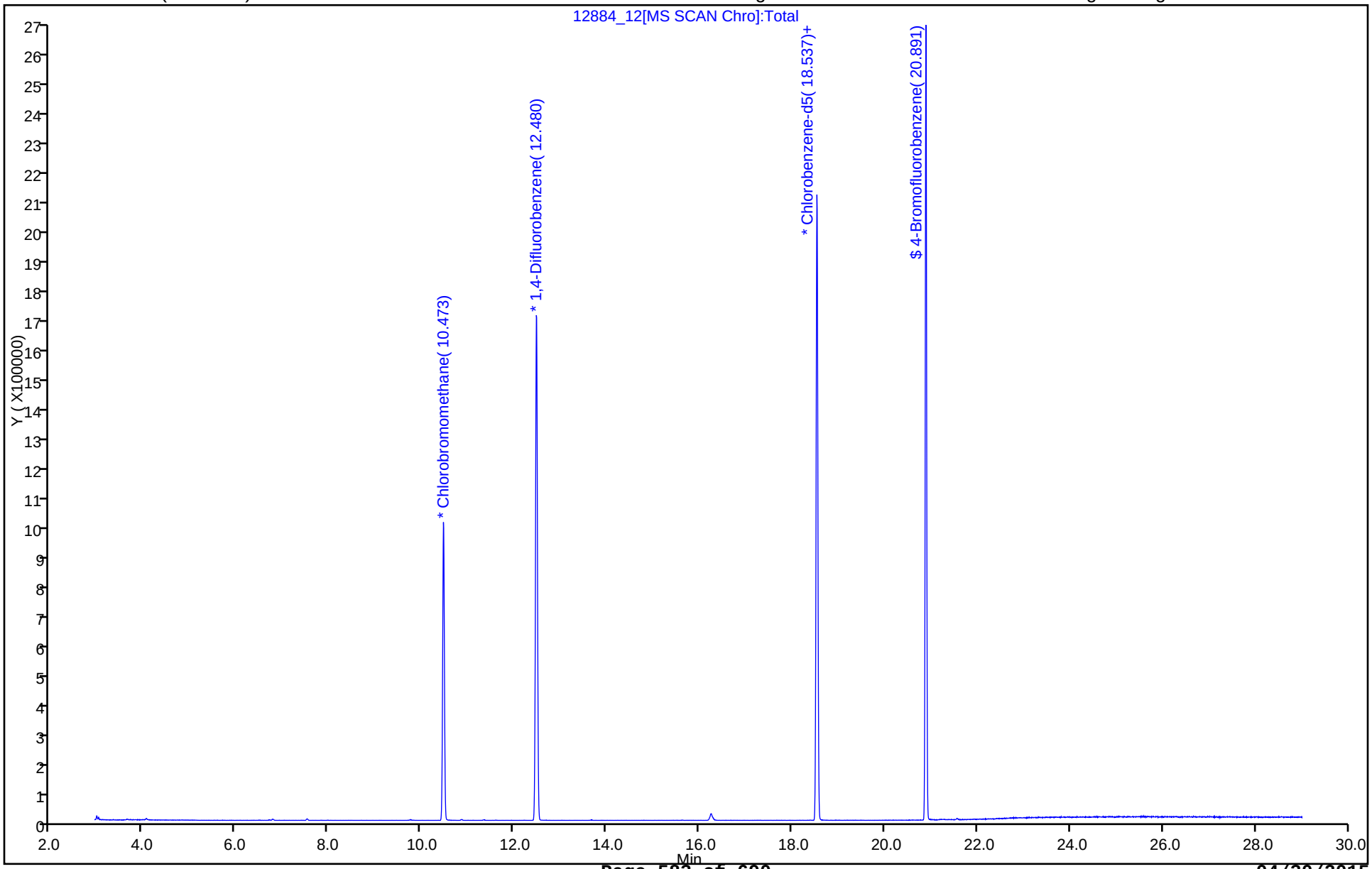
Reagents:

ATTO15CISs_00006	Amount Added:	20.00	Units: mL	Run Reagent

TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHC.i\20150331-12884.b\12884_12.D				
Injection Date:	31-Mar-2015 19:10:30	Instrument ID:	CHC.i	Operator ID:	pad
Lims ID:	200-27310-A-11	Lab Sample ID:	200-27310-11	Worklist Smp#:	12
Client ID:	4478				
Purge Vol:	200.000 mL	Dil. Factor:	0.2000	ALS Bottle#:	12
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.: 200-27311-1

SDG No.:

Client Sample ID: 3517 Lab Sample ID: 200-27311-7

Matrix: Air Lab File ID: 12884_11.D

Analysis Method: TO-15 Date Collected: 03/30/2015 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 03/31/2015 18:11

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.: 86252 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.: 200-27311-1

SDG No.:

Client Sample ID: 3517 Lab Sample ID: 200-27311-7

Matrix: Air Lab File ID: 12884_11.D

Analysis Method: TO-15 Date Collected: 03/30/2015 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 03/31/2015 18:11

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.: 86252 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.: 200-27311-1

SDG No.:

Client Sample ID: 3517 Lab Sample ID: 200-27311-7

Matrix: Air Lab File ID: 12884_11.D

Analysis Method: TO-15 Date Collected: 03/30/2015 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 03/31/2015 18:11

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.: 86252 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.040	U	0.040	0.040
104-51-8	n-Butylbenzene	0.040	U	0.040	0.040
95-50-1	1,2-Dichlorobenzene	0.040	U	0.040	0.040
120-82-1	1,2,4-Trichlorobenzene	0.10	U	0.10	0.10
87-68-3	Hexachlorobutadiene	0.040	U	0.040	0.040
91-20-3	Naphthalene	0.10	U	0.10	0.10

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHC.i\20150331-12884.b\12884_11.D
Lims ID: 200-27311-A-7 Lab Sample ID: 200-27311-7
Client ID: 3517
Sample Type: Client
Inject. Date: 31-Mar-2015 18:11:30 ALS Bottle#: 11 Worklist Smp#: 11
Purge Vol: 200.000 mL Dil. Factor: 0.2000
Sample Info: 200-0012884-011
Misc. Info.: 27311-07
Operator ID: pad Instrument ID: CHC.i

Method: \\BTV-LIMS1\ChromData\CHC.i\20150331-12884.b\TO15_LLNJ_TO3_CHC.m
Limit Group: AI_TO15_ICAL
Last Update: 01-Apr-2015 15:42:39 Calib Date: 01-Dec-2014 23:37:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHC.i\20141201-10870.b\10870_10.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK031

First Level Reviewer: daiglep Date: 01-Apr-2015 15:23:27

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
1 Propene	41		2.985				ND	
2 Dichlorodifluoromethane	85		3.055				ND	
3 Chlorodifluoromethane	51		3.108				ND	
4 1,2-Dichloro-1,1,2,2-tetra	85		3.327				ND	
5 Chloromethane	50		3.466				ND	
6 Butane	43		3.674				ND	
7 Vinyl chloride	62		3.716				ND	
8 Butadiene	54		3.797				ND	
9 Bromomethane	94		4.496				ND	
10 Chloroethane	64		4.747				ND	
13 Vinyl bromide	106		5.147				ND	
14 Trichlorofluoromethane	101		5.254				ND	
16 Ethanol	45		5.883				ND	
19 1,1,2-Trichloro-1,2,2-trif	101		6.369				ND	
20 1,1-Dichloroethene	96		6.406				ND	
21 Acetone	43		6.668				ND	
22 Carbon disulfide	76		6.785				ND	
23 Isopropyl alcohol	45		6.993				ND	
25 3-Chloro-1-propene	41		7.223				ND	
27 Methylene Chloride	49	7.527	7.527	0.000	73	3123	0.0799	
28 2-Methyl-2-propanol	59		7.783				ND	
29 Methyl tert-butyl ether	73		7.938				ND	
30 trans-1,2-Dichloroethene	61		7.975				ND	
32 Hexane	57		8.365				ND	
33 1,1-Dichloroethane	63		8.867				ND	
34 Vinyl acetate	43		8.963				ND	
35 cis-1,2-Dichloroethene	96		10.009				ND	
36 2-Butanone (MEK)	72		10.067				ND	
37 Ethyl acetate	88		10.121				ND	
* 40 Chlorobromomethane	128	10.473	10.478	-0.005	70	440673	10.0	
S 38 1,2-Dichloroethene, Total	61		10.200				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
39 Tetrahydrofuran	42		10.478				ND	
41 Chloroform	83		10.622				ND	
42 Cyclohexane	84		10.852				ND	
43 1,1,1-Trichloroethane	97		10.884				ND	
44 Carbon tetrachloride	117		11.135				ND	
46 Isooctane	57		11.588				ND	
47 Benzene	78		11.615				ND	
48 1,2-Dichloroethane	62		11.813				ND	
49 n-Heptane	43		11.989				ND	
* 50 1,4-Difluorobenzene	114	12.480	12.485	-0.005	93	2136183	10.0	
52 Trichloroethene	95		12.949				ND	
54 1,2-Dichloropropane	63		13.526				ND	
55 Methyl methacrylate	69		13.707				ND	
56 1,4-Dioxane	88		13.761				ND	
57 Dibromomethane	174		13.787				ND	
58 Dichlorobromomethane	83		14.091				ND	
60 cis-1,3-Dichloropropene	75		15.041				ND	
61 4-Methyl-2-pentanone (MIBK	43		15.340				ND	
62 Toluene	92	15.628	15.628	0.000	1	267	0.002583	
66 trans-1,3-Dichloropropene	75		16.242				ND	
67 1,1,2-Trichloroethane	83		16.616				ND	
68 Tetrachloroethene	166		16.712				ND	
69 2-Hexanone	43		17.069				ND	
70 Chlorodibromomethane	129		17.379				ND	
71 Ethylene Dibromide	107		17.640				ND	
* 72 Chlorobenzene-d5	117	18.537	18.537	0.000	85	1800959	10.0	
73 Chlorobenzene	112		18.601				ND	
75 Ethylbenzene	91		18.751				ND	
77 m-Xylene & p-Xylene	106		19.001				ND	
78 o-Xylene	106		19.839				ND	
79 Styrene	104		19.893				ND	
S 80 Xylenes, Total	106		20.100				ND	
81 Bromoform	173		20.314				ND	
82 Isopropylbenzene	105		20.522				ND	
83 1,1,2,2-Tetrachloroethane	83		21.179				ND	
84 N-Propylbenzene	91		21.238				ND	
87 4-Ethyltoluene	105		21.430				ND	
88 2-Chlorotoluene	91		21.435				ND	
89 1,3,5-Trimethylbenzene	105		21.536				ND	
91 tert-Butylbenzene	119		22.022				ND	
92 1,2,4-Trimethylbenzene	105		22.118				ND	
93 sec-Butylbenzene	105		22.342				ND	
94 4-Isopropyltoluene	119		22.545				ND	
95 1,3-Dichlorobenzene	146		22.577				ND	
96 1,4-Dichlorobenzene	146		22.711				ND	
97 Benzyl chloride	91		22.908				ND	
98 n-Butylbenzene	91		23.111				ND	
100 1,2-Dichlorobenzene	146		23.239				ND	
102 1,2,4-Trichlorobenzene	180		25.715				ND	
103 Hexachlorobutadiene	225		25.897				ND	
104 Naphthalene	128		26.196				ND	
$ 108 4-Bromofluorobenzene	95	20.891	20.891	0.000	93	934893	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

ATTO15CISs_00006 Amount Added: 20.00 Units: mL Run Reagent

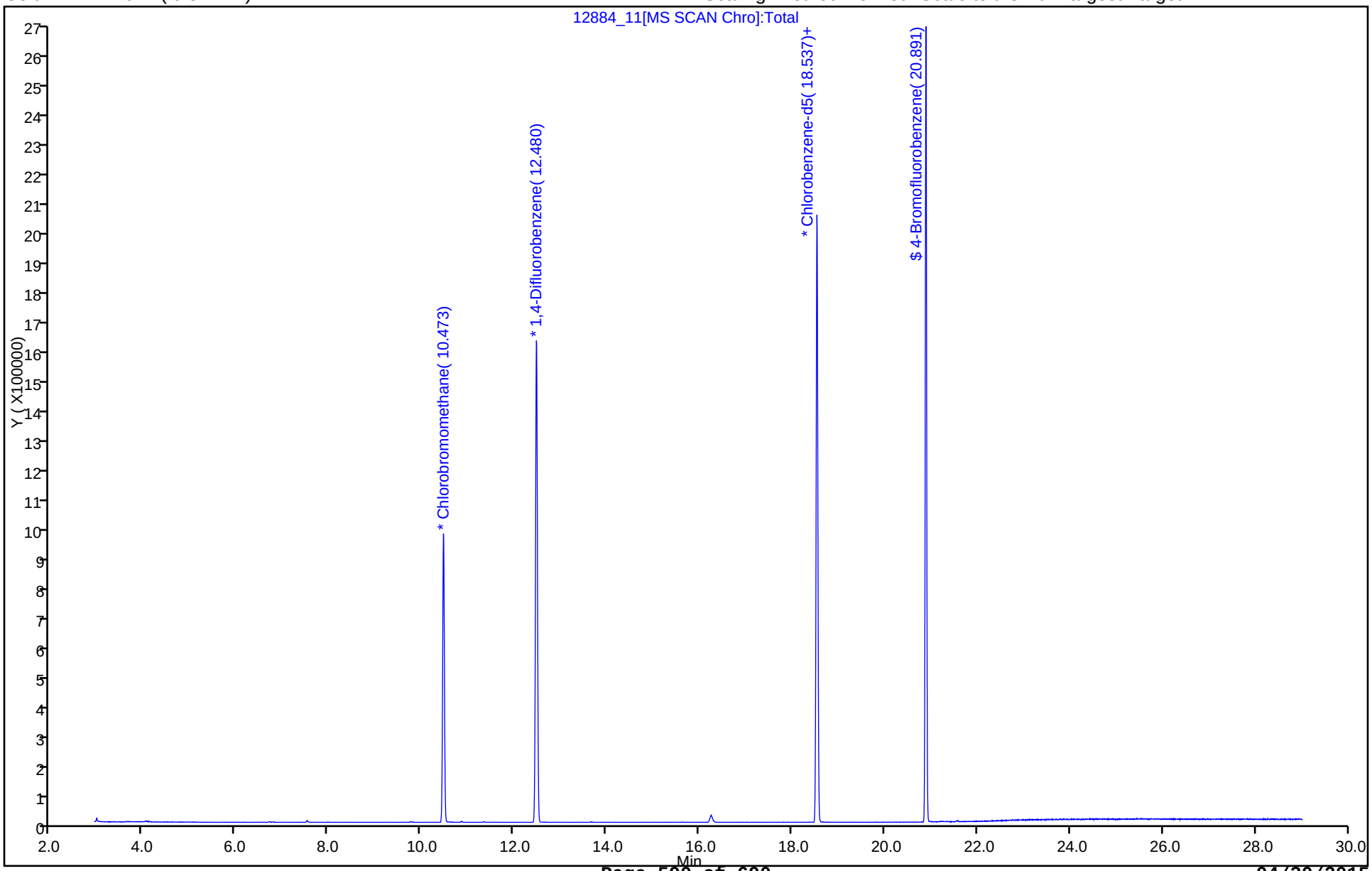
Report Date: 01-Apr-2015 15:42:53 Chrom Revision: 2.2 13-Mar-2015 11:20:44

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20150331-12884.b\12884_11.D

Injection Date:	31-Mar-2015 18:11:30	Instrument ID:	CHC.i	Operator ID:	pad
Lims ID:	200-27311-A-7	Lab Sample ID:	200-27311-7	Worklist Smp#:	11
Client ID:	3517				
Purge Vol:	200.000 mL	Dil. Factor:	0.2000	ALS Bottle#:	11
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.: 200-27312-1

SDG No.:

Client Sample ID: 3283 Lab Sample ID: 200-27312-6

Matrix: Air Lab File ID: 12883-027.D

Analysis Method: TO-15 Date Collected: 03/30/2015 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 04/01/2015 07:54

Soil Aliquot Vol: Dilution Factor: 0.2

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 86250 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.: 200-27312-1

SDG No.:

Client Sample ID: 3283 Lab Sample ID: 200-27312-6

Matrix: Air Lab File ID: 12883-027.D

Analysis Method: TO-15 Date Collected: 03/30/2015 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 04/01/2015 07:54

Soil Aliquot Vol: Dilution Factor: 0.2

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 86250 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.: 200-27312-1

SDG No.:

Client Sample ID: 3283 Lab Sample ID: 200-27312-6

Matrix: Air Lab File ID: 12883-027.D

Analysis Method: TO-15 Date Collected: 03/30/2015 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 04/01/2015 07:54

Soil Aliquot Vol: Dilution Factor: 0.2

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 86250 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\CHX.i\20150331-12883.b\12883-027.D
Lims ID: 200-27312-A-6 Lab Sample ID: 200-27312-6
Client ID: 3283
Sample Type: Client
Inject. Date: 01-Apr-2015 07:54:30 ALS Bottle#: 4 Worklist Smp#: 27
Purge Vol: 200.000 mL Dil. Factor: 0.2000
Sample Info: 200-0012883-027
Misc. Info.: 27312-6
Operator ID: wrd Instrument ID: CHX.i

Method: \\BTV-LIMS1\ChromData\CHX.i\20150331-12883.b\TO15_LLNJ_TO3_CHX.i.m.m
Limit Group: AI_TO15_ICAL
Last Update: 01-Apr-2015 07:25:48 Calib Date: 20-Mar-2015 00:18:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CHX.i\20150319-12677.b\12677-011.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK010

First Level Reviewer: desjardinsb Date: 01-Apr-2015 09:33:20

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
1 Propene	41		3.044				ND	
2 Dichlorodifluoromethane	85		3.113				ND	
3 Chlorodifluoromethane	51		3.161				ND	
4 1,2-Dichloro-1,1,2,2-tetra	85		3.375				ND	
5 Chloromethane	50		3.514				ND	
6 Butane	43		3.712				ND	
7 Vinyl chloride	62		3.755				ND	
8 Butadiene	54		3.830				ND	
9 Bromomethane	94		4.509				ND	
10 Chloroethane	64		4.740				ND	
12 Vinyl bromide	106		5.125				ND	
13 Trichlorofluoromethane	101		5.216				ND	
15 Ethanol	45		5.788				ND	
18 1,1,2-Trichloro-1,2,2-trif	101		6.270				ND	
20 1,1-Dichloroethene	96		6.328				ND	
21 Acetone	43		6.574				ND	
22 Carbon disulfide	76		6.724				ND	
23 Isopropyl alcohol	45		6.847				ND	
24 3-Chloro-1-propene	41		7.115				ND	
26 Methylene Chloride	49		7.409				ND	
28 2-Methyl-2-propanol	59		7.612				ND	
29 Methyl tert-butyl ether	73		7.794				ND	
30 trans-1,2-Dichloroethene	61		7.842				ND	
32 Hexane	57		8.206				ND	
33 1,1-Dichloroethane	63		8.725				ND	
34 Vinyl acetate	43		8.789				ND	
35 cis-1,2-Dichloroethene	96		9.838				ND	
36 2-Butanone (MEK)	72		9.886				ND	
37 Ethyl acetate	88		9.913				ND	
S 38 1,2-Dichloroethene, Total	61		10.000				ND	
39 Tetrahydrofuran	42		10.298				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
* 40 Chlorobromomethane	128	10.303	10.314	-0.011	76	349075	10.0	
41 Chloroform	83		10.437				ND	
42 Cyclohexane	84		10.678				ND	
43 1,1,1-Trichloroethane	97		10.715				ND	
44 Carbon tetrachloride	117		10.967				ND	
45 Isooctane	57		11.395				ND	
46 Benzene	78		11.453				ND	
47 1,2-Dichloroethane	62		11.646				ND	
48 n-Heptane	43		11.785				ND	
* 50 1,4-Difluorobenzene	114	12.304	12.309	-0.005	92	1827310	10.0	
52 Trichloroethene	95		12.791				ND	
53 1,2-Dichloropropane	63		13.385				ND	
54 Methyl methacrylate	69		13.534				ND	
55 1,4-Dioxane	88		13.599				ND	
56 Dibromomethane	174		13.657				ND	
57 Dichlorobromomethane	83		13.957				ND	
58 cis-1,3-Dichloropropene	75		14.936				ND	
61 4-Methyl-2-pentanone (MIBK	43		15.225				ND	
62 Toluene	92		15.541				ND	
67 trans-1,3-Dichloropropene	75		16.161				ND	
68 1,1,2-Trichloroethane	83		16.552				ND	
69 Tetrachloroethene	166		16.643				ND	
70 2-Hexanone	43		16.996				ND	
71 Chlorodibromomethane	129		17.333				ND	
72 Ethylene Dibromide	107		17.616				ND	
* 73 Chlorobenzene-d5	117	18.520	18.520	0.000	83	1611776	10.0	
74 Chlorobenzene	112		18.585				ND	
75 Ethylbenzene	91		18.729				ND	
77 m-Xylene & p-Xylene	106		18.980				ND	
78 o-Xylene	106		19.788				ND	
79 Styrene	104		19.836				ND	
S 80 Xylenes, Total	106		20.000				ND	
81 Bromoform	173		20.243				ND	
82 Isopropylbenzene	105		20.420				ND	
* 83 4-Bromofluorobenzene	95	20.778	20.778	0.000	98	1036623	10.0	
85 1,1,2,2-Tetrachloroethane	83		21.045				ND	
86 N-Propylbenzene	91		21.099				ND	
89 4-Ethyltoluene	105		21.281				ND	
90 2-Chlorotoluene	91		21.297				ND	
91 1,3,5-Trimethylbenzene	105		21.377				ND	
93 tert-Butylbenzene	119		21.853				ND	
94 1,2,4-Trimethylbenzene	105		21.944				ND	
95 sec-Butylbenzene	105		22.164				ND	
96 4-Isopropyltoluene	119		22.361				ND	
97 1,3-Dichlorobenzene	146		22.410				ND	
98 1,4-Dichlorobenzene	146		22.549				ND	
99 Benzyl chloride	91		22.752				ND	
101 n-Butylbenzene	91		22.955				ND	
102 1,2-Dichlorobenzene	146		23.110				ND	
104 1,2,4-Trichlorobenzene	180		25.764				ND	
105 Hexachlorobutadiene	225		25.951				ND	
106 Naphthalene	128		26.299				ND	

Reagents:

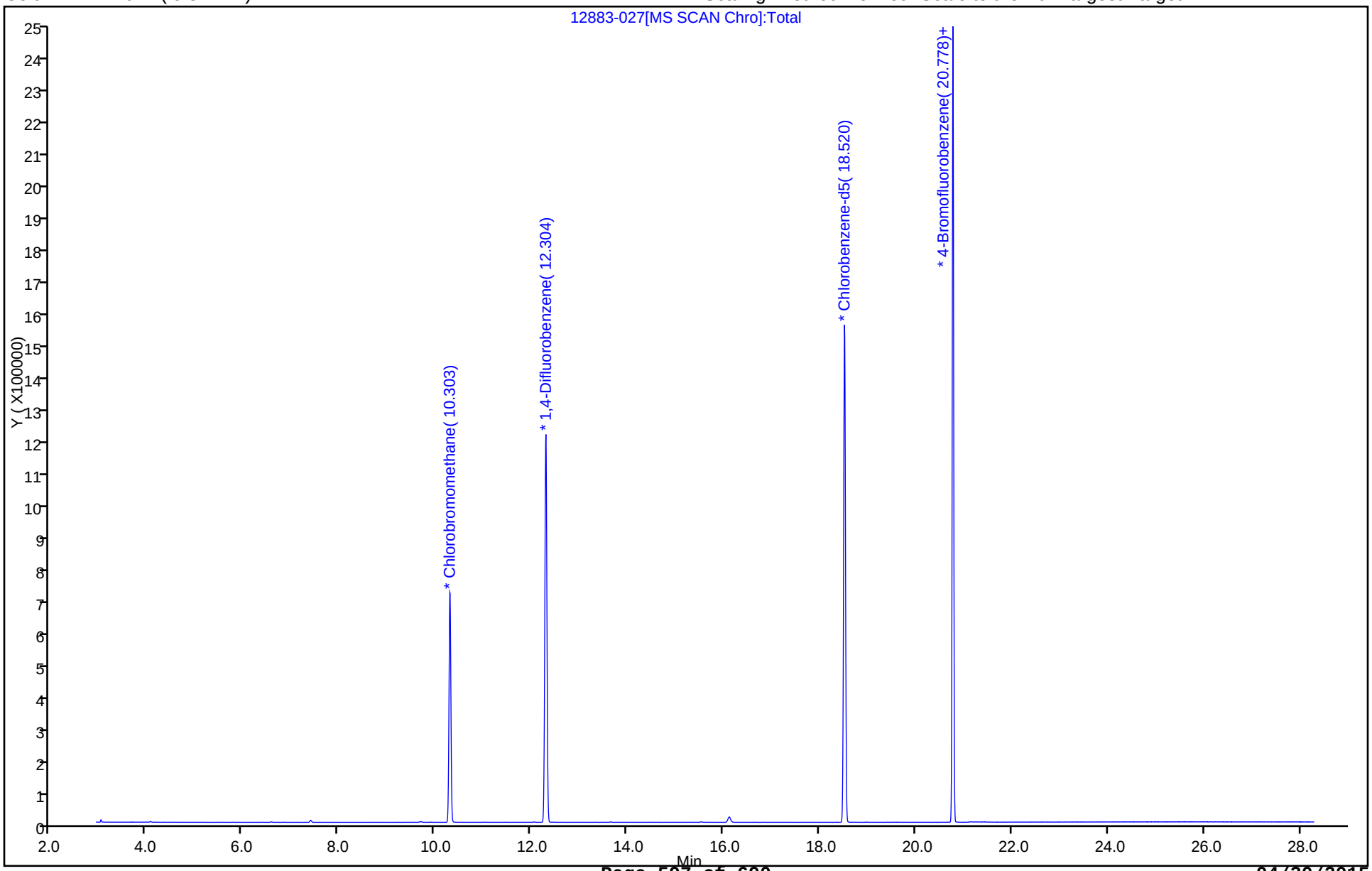
ATTO15GIS_00009 Amount Added: 20.00 Units: mL Run Reagent

Report Date: 01-Apr-2015 09:33:20 Chrom Revision: 2.2 13-Mar-2015 11:20:44

TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHX.i\20150331-12883.b\12883-027.D				
Injection Date:	01-Apr-2015 07:54:30	Instrument ID:	CHX.i	Operator ID:	wrd
Lims ID:	200-27312-A-6	Lab Sample ID:	200-27312-6	Worklist Smp#:	27
Client ID:	3283				
Purge Vol:	200.000 mL	Dil. Factor:	0.2000	ALS Bottle#:	4
Method:	TO15_LLNJ_TO3_CHX.i.m	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.: 200-27201-1 Analy Batch No.: 85319

SDG No.:

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

Calibration Start Date: 03/10/2015 00:15 Calibration End Date: 03/10/2015 11:32 Calibration ID: 30048

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-85319/4	12475_04.D
Level 2	IC 200-85319/5	12475_05.D
Level 3	IC 200-85319/15	12475_15.D
Level 4	IC 200-85319/17	12475_17.D
Level 5	ICIS 200-85319/8	12475_08.D
Level 6	IC 200-85319/9	12475_09.D
Level 7	IC 200-85319/10	12475_10.D
Level 8	IC 200-85319/13	12475_13.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	+++++ 1.5332	+++++ 1.3873	1.5174 1.3186	1.5314	1.5951	Ave		1.4805				7.1		30.0			
1,2-Dichlorotetrafluoroethane	+++++ 1.3463	1.6267 1.2095	1.3524 1.1435	1.3549	1.4273	Ave		1.3515				11.5		30.0			
Chloromethane	+++++ 0.2920	+++++ 0.2621	0.2859 0.2562	0.2809	0.3164	Ave		0.2822				7.7		30.0			
Vinyl chloride	+++++ 0.4917	0.5691 0.4358	0.4558 0.4254	0.4849	0.5298	Ave		0.4846				10.6		30.0			
1,3-Butadiene	+++++ 0.3498	0.4201 0.3050	0.3147 0.3015	0.3415	0.3736	Ave		0.3437				12.4		30.0			
Bromomethane	+++++ 0.9142	0.9550 0.8488	0.9077 0.8340	0.9085	0.8846	Ave		0.8933				4.6		30.0			
Chloroethane	+++++ 0.4186	+++++ 0.3844	0.3980 0.3769	0.3991	0.4265	Ave		0.4006				4.8		30.0			
Vinyl bromide	+++++ 1.0420	1.0607 0.9994	1.0343 0.9761	1.0303	1.0245	Ave		1.0239				2.7		30.0			
Trichlorofluoromethane	+++++ 2.3817	2.5362 2.2858	2.3908 2.2028	2.3789	2.3648	Ave		2.3630				4.3		30.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	+++++ 1.9519	1.9493 1.8980	2.0036 1.8269	1.9438	1.8797	Ave		1.9219				3.0		30.0			
1,1-Dichloroethene	+++++ 0.9774	0.9806 0.9558	1.0043 0.9295	0.9674	0.9395	Ave		0.9649				2.7		30.0			
Acetone	+++++ 0.9313	+++++ 0.7943	+++++ 0.7592	0.9847	1.0526	Ave		0.9044				13.8		30.0			
Isopropanol	+++++ 0.8783	+++++ 0.7907	+++++ 0.7326	0.9134	0.9320	Ave		0.8494				10.0		30.0			
Carbon disulfide	+++++ 2.3470	+++++ 2.2466	2.3636 2.1291	2.3339	2.3527	Ave		2.2955				4.0		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

Lab Name: TestAmerica Burlington Job No.: 200-27201-1 Analy Batch No.: 85319

SDG No.:

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

Calibration Start Date: 03/10/2015 00:15 Calibration End Date: 03/10/2015 11:32 Calibration ID: 30048

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								
Allyl chloride	+++++ 0.7484	0.8706 0.7357	0.7719 0.6858	0.7953	0.8748	Ave		0.7832				8.9		30.0			
Methylene Chloride	+++++ 0.7280	+++++ 0.6781	0.8973 0.6377	0.7503	0.7821	Ave		0.7456				12.1		30.0			
tert-Butyl alcohol	+++++ 1.4697	+++++ 1.3725	+++++ 1.2970	1.5064	1.4928	Ave		1.4277				6.3		30.0			
Methyl tert-butyl ether	+++++ 2.5872	2.5960 2.4942	2.5233 2.3829	2.5606	2.5597	Ave		2.5291				2.9		30.0			
1,2-Dichloroethene, trans-	+++++ 1.1166	1.1640 1.0594	1.1047 1.0042	1.1292	1.1564	Ave		1.1049				5.1		30.0			
n-Hexane	+++++ 1.1931	1.3689 1.1298	1.1827 1.0640	1.1984	1.2725	Ave		1.2013				8.2		30.0			
1,1-Dichloroethane	+++++ 1.4535	1.6052 1.3769	1.4802 1.2923	1.4795	1.5156	Ave		1.4576				6.9		30.0			
Methyl Ethyl Ketone	+++++ 0.4660	+++++ 0.4325	0.6616 0.4019	0.4743	0.4894	Ave		0.4876				18.6		30.0			
1,2-Dichloroethene, cis-	+++++ 1.1095	1.0768 1.0626	1.1354 1.0073	1.1064	1.0762	Ave		1.0820				3.8		30.0			
Tetrahydrofuran	+++++ 0.1484	+++++ 0.1347	+++++ 0.1306	0.1467	0.1588	Ave		0.1439				7.9		30.0			
Chloroform	+++++ 1.8878	1.8619 1.8269	1.8898 1.7682	1.8841	1.8694	Ave		1.8555				2.4		30.0			
1,1,1-Trichloroethane	+++++ 0.4329	0.3988 0.4205	0.4191 0.4132	0.4189	0.4148	Ave		0.4169				2.4		30.0			
Cyclohexane	+++++ 0.3017	0.2761 0.2882	0.2979 0.2746	0.2951	0.2922	Ave		0.2894				3.6		30.0			
Carbon tetrachloride	+++++ 0.4683	0.4036 0.4659	0.4425 0.4679	0.4553	0.4477	Ave		0.4502				5.1		30.0			
2,2,4-Trimethylpentane	+++++ 0.8449	0.8537 0.7957	0.8278 0.7545	0.8428	0.8787	Ave		0.8283				5.0		30.0			
Benzene	+++++ 0.6258	0.6301 0.6040	0.6388 0.5914	0.6235	0.6164	Ave		0.6186				2.6		30.0			
1,2-Dichloroethane	+++++ 0.2184	0.2146 0.2107	0.2157 0.2072	0.2164	0.2203	Ave		0.2148				2.1		30.0			
n-Heptane	+++++ 0.2547	0.3022 0.2340	0.2533 0.2179	0.2590	0.2785	Ave		0.2571				10.8		30.0			
Trichloroethene	+++++ 0.2948	0.2787 0.2853	0.3013 0.2818	0.2861	0.2822	Ave		0.2872				2.8		30.0			
1,2-Dichloropropane	+++++ 0.2085	0.2075 0.1966	0.2068 0.1870	0.2043	0.2116	Ave		0.2032				4.2		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

Lab Name: TestAmerica Burlington Job No.: 200-27201-1 Analy Batch No.: 85319

SDG No.:

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

Calibration Start Date: 03/10/2015 00:15 Calibration End Date: 03/10/2015 11:32 Calibration ID: 30048

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Methyl methacrylate	+++++ 0.2149	+++++ 0.2047	0.1971 0.1976	0.2070	0.2137	Ave		0.2058				3.7		30.0			
1,4-Dioxane	+++++ 0.1141	+++++ 0.1002	+++++ 0.0961	0.1128	0.1022	Ave		0.1051				7.5		30.0			
Bromodichloromethane	+++++ 0.4489	0.4033 0.4374	0.4149 0.4296	0.4310	0.4365	Ave		0.4288				3.5		30.0			
1,3-Dichloropropene, cis-	+++++ 0.3549	0.3142 0.3406	0.3279 0.3379	0.3363	0.3442	Ave		0.3366				3.8		30.0			
methyl isobutyl ketone	+++++ 0.3229	+++++ 0.2973	0.3454 0.2826	0.3159	0.3451	Ave		0.3182				7.9		30.0			
Toluene	+++++ 0.5743	0.5549 0.5577	0.5900 0.5343	0.5573	0.5504	Ave		0.5599				3.2		30.0			
1,3-Dichloropropene, trans-	+++++ 0.3568	0.3070 0.3447	0.3349 0.3418	0.3398	0.3483	Ave		0.3390				4.6		30.0			
1,1,2-Trichloroethane	+++++ 0.2630	0.2433 0.2538	0.2617 0.2451	0.2547	0.2554	Ave		0.2539				2.9		30.0			
Tetrachloroethene	+++++ 0.5768	0.4740 0.5665	0.5573 0.5497	0.5479	0.5245	Ave		0.5424				6.3		30.0			
Dibromochloromethane	+++++ 0.6530	0.4926 0.6399	0.5793 0.6163	0.6140	0.6134	Ave		0.6012				8.9		30.0			
1,2-Dibromoethane	+++++ 0.5478	0.4570 0.5305	0.5314 0.5196	0.5235	0.5152	Ave		0.5178				5.6		30.0			
Chlorobenzene	+++++ 0.8528	0.7585 0.8275	0.8676 0.8038	0.8139	0.8029	Ave		0.8181				4.4		30.0			
Ethylbenzene	+++++ 1.2031	1.1515 1.0972	1.2428 0.9144	1.1946	1.1798	Ave		1.1405				9.6		30.0			
m-Xylene & p-Xylene	+++++ 0.5409	0.4785 0.5009	0.5488 0.4303	0.5278	0.5226	Ave		0.5071				8.2		30.0			
o-Xylene	+++++ 0.5435	0.4675 0.5213	0.5392 0.4808	0.5201	0.5174	Ave		0.5128				5.6		30.0			
Styrene	+++++ 0.8372	0.6430 0.7965	0.7810 0.7439	0.7844	0.7914	Ave		0.7682				8.0		30.0			
Bromoform	+++++ 0.6798	0.4592 0.6625	0.5923 0.6167	0.6466	0.6587	Ave		0.6165				12.2		30.0			
1,1,2,2-Tetrachloroethane	+++++ 0.6931	0.6361 0.6526	0.7179 0.5823	0.6723	0.6768	Ave		0.6616				6.6		30.0			
4-Ethyltoluene	+++++ 1.5173	1.3135 1.4221	1.4873 1.2394	1.4634	1.4597	Ave		1.4147				7.1		30.0			
2-Chlorotoluene	+++++ 1.1605	1.0491 1.0888	1.1904 0.9407	1.1223	1.1339	Ave		1.0980				7.6		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Burlington Job No.: 200-27201-1 Analy Batch No.: 85319

SDG No.:

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

Calibration Start Date: 03/10/2015 00:15 Calibration End Date: 03/10/2015 11:32 Calibration ID: 30048

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,3,5-Trimethylbenzene	+++++ 1.2446	1.1058 1.1443	1.2760 1.0228	1.2229	1.2258	Ave		1.1775				7.7		30.0			
1,2,4-Trimethylbenzene	+++++ 1.2139	1.0876 1.1297	1.2631 1.0802	1.2170	1.2223	Ave		1.1734				6.2		30.0			
1,3-Dichlorobenzene	+++++ 0.9549	0.7614 0.8730	0.9985 0.8763	0.9056	0.9171	Ave		0.8981				8.3		30.0			
1,4-Dichlorobenzene	+++++ 0.9474	0.7462 0.8594	1.0219 0.8849	0.8973	0.9237	Ave		0.8973				9.5		30.0			
1,2-Dichlorobenzene	+++++ 0.8618	0.7247 0.8139	0.9579 0.8542	0.8578	0.8705	Ave		0.8487				8.2		30.0			
1,2,4-Trichlorobenzene	+++++ 0.8352	+++++ 0.6453	0.7542 0.7431	0.5502	0.6657	Ave		0.6990				14.3		30.0			
Hexachlorobutadiene	+++++ 0.6550	0.4492 0.5873	0.5919 0.5108	0.5345	0.5775	Ave		0.5580				11.9		30.0			
Naphthalene	+++++ 1.8032	+++++ 1.2188	1.9739 1.6254	1.0503	1.2882	Ave		1.4933				24.3		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Burlington Job No.: 200-27201-1 Analy Batch No.: 85319

SDG No.:

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

Calibration Start Date: 03/10/2015 00:15 Calibration End Date: 03/10/2015 11:32 Calibration ID: 30048

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-85319/4	12475_04.D
Level 2	IC 200-85319/5	12475_05.D
Level 3	IC 200-85319/15	12475_15.D
Level 4	IC 200-85319/17	12475_17.D
Level 5	ICIS 200-85319/8	12475_08.D
Level 6	IC 200-85319/9	12475_09.D
Level 7	IC 200-85319/10	12475_10.D
Level 8	IC 200-85319/13	12475_13.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Dichlorodifluoromethane	BCM	Ave	+++++ 1317762	+++++ 1640386	43861 3238857	430474	839894	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,2-Dichlorotetrafluoroethane	BCM	Ave	+++++ 1157126	16336 1430172	39094 2808957	380855	751514	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chloromethane	BCM	Ave	+++++ 250939	+++++ 309916	8265 629227	78946	166611	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Vinyl chloride	BCM	Ave	+++++ 422609	5715 515308	13175 1044921	136296	278980	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Butadiene	BCM	Ave	+++++ 300648	4219 360652	9096 740546	95980	196707	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromomethane	BCM	Ave	+++++ 785795	9591 1003587	26239 2048707	255365	465756	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chloroethane	BCM	Ave	+++++ 359801	+++++ 454494	11504 925820	112189	224560	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Vinyl bromide	BCM	Ave	+++++ 895631	10652 1181683	29898 2397678	289596	539455	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Trichlorofluoromethane	BCM	Ave	+++++ 2047067	25470 2702786	69110 5410953	668672	1245144	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2-Trichloro-1,2,2-trifluoroetha ne	BCM	Ave	+++++ 1677639	19576 2244227	57917 4487424	546395	989738	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1-Dichloroethene	BCM	Ave	+++++ 840094	9848 1130121	29031 2283115	271913	494681	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acetone	BCM	Ave	+++++ 800431	+++++ 939215	+++++ 1864989	276795	554211	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Isopropanol	BCM	Ave	+++++ 754886	+++++ 934891	+++++ 1799457	256743	490748	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Carbon disulfide	BCM	Ave	+++++ 2017214	+++++ 2656435	68323 5229807	656045	1238786	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Allyl chloride	BCM	Ave	+++++ 643285	8743 869873	22313 1684697	223547	460607	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

Lab Name: TestAmerica Burlington Job No.: 200-27201-1 Analy Batch No.: 85319

SDG No.:

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

Calibration Start Date: 03/10/2015 00:15 Calibration End Date: 03/10/2015 11:32 Calibration ID: 30048

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
Methylene Chloride	BCM	Ave	+++++ 625746	+++++ 801826	25938 1566378	210905	411801	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
tert-Butyl alcohol	BCM	Ave	+++++ 1263228	+++++ 1622903	+++++ 3185791	423422	786028	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Methyl tert-butyl ether	BCM	Ave	+++++ 2223710	26071 2949191	72940 5853264	719761	1347769	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloroethene, trans-	BCM	Ave	+++++ 959681	11690 1252629	31934 2466634	317398	608871	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Hexane	BCM	Ave	+++++ 1025500	13747 1335905	34188 2613457	336855	670029	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1-Dichloroethane	BCM	Ave	+++++ 1249249	16120 1628012	42787 3174268	415874	798010	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl Ethyl Ketone	BCM	Ave	+++++ 400506	+++++ 511392	19124 987231	133321	257669	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,2-Dichloroethene, cis-	BCM	Ave	+++++ 953658	10814 1256416	32819 2474231	311010	566641	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Tetrahydrofuran	DFB	Ave	+++++ 607751	+++++ 754718	+++++ 1495965	197774	400584	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Chloroform	BCM	Ave	+++++ 1622590	18698 2160175	54626 4343473	529614	984338	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,1-Trichloroethane	DFB	Ave	+++++ 1772827	19761 2355146	58087 4732991	564835	1045931	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Cyclohexane	DFB	Ave	+++++ 1235308	13683 1614059	41286 3145169	397854	736777	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Carbon tetrachloride	DFB	Ave	+++++ 1917541	19997 2609275	61330 5359287	613955	1128957	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2,2,4-Trimethylpentane	DFB	Ave	+++++ 3459888	42305 4456550	114745 8641067	1136455	2215815	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Benzene	DFB	Ave	+++++ 2562557	31224 3382909	88551 6773152	840704	1554534	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloroethane	DFB	Ave	+++++ 894103	10636 1180343	29905 2372602	291791	555621	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Heptane	DFB	Ave	+++++ 1042801	14974 1310820	35104 2495665	349187	702260	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Trichloroethene	DFB	Ave	+++++ 1207106	13811 1597743	41767 3227779	385783	711692	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloropropane	DFB	Ave	+++++ 853850	10283 1100911	28659 2142319	275524	533640	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl methacrylate	DFB	Ave	+++++ 879918	+++++ 1146569	27318 2262773	279084	538806	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,4-Dioxane	DFB	Ave	+++++ 467024	+++++ 561313	+++++ 1101058	152058	257747	+++++ 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.: 200-27201-1 Analy Batch No.: 85319

SDG No.:

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

Calibration Start Date: 03/10/2015 00:15 Calibration End Date: 03/10/2015 11:32 Calibration ID: 30048

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
Bromodichloromethane	DFB	Ave	+++++ 1838210	19982 2449923	57516 4920001	581199	1100779	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Dichloropropene, cis-	DFB	Ave	+++++ 1453423	15571 1907972	45451 3870404	453512	868065	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
methyl isobutyl ketone	DFB	Ave	+++++ 1322152	+++++ 1665252	47879 3236381	425900	870299	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Toluene	CBZ	Ave	+++++ 2071533	24040 2739129	70890 5415521	660648	1227232	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Dichloropropene, trans-	DFB	Ave	+++++ 1460950	15214 1930537	46419 3915123	458190	878365	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2-Trichloroethane	CBZ	Ave	+++++ 948713	10541 1246705	31446 2484501	301878	569480	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Tetrachloroethene	CBZ	Ave	+++++ 2080422	20536 2782227	66971 5570907	649464	1169478	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Dibromochloromethane	CBZ	Ave	+++++ 2355421	21340 3142753	69612 6246686	727866	1367563	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dibromoethane	CBZ	Ave	+++++ 1975680	19798 2605717	63857 5265754	620569	1148565	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chlorobenzene	CBZ	Ave	+++++ 3075775	32861 4064194	104249 8146532	964785	1790021	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Ethylbenzene	CBZ	Ave	+++++ 4339399	49891 5389118	149335 9267058	1416101	2630333	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
m-Xylene & p-Xylene	CBZ	Ave	+++++ 3902154	41463 4920137	131892 8721304	1251378	2330305	+++++ 30.0	0.401 40.0	1.00 80.0	9.99	20.0
o-Xylene	CBZ	Ave	+++++ 1960239	20253 2560462	64791 4873298	616527	1153664	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Styrene	CBZ	Ave	+++++ 3019661	27859 3912103	93844 7539428	929824	1764411	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromoform	CBZ	Ave	+++++ 2451830	19895 3253797	71170 6250769	766490	1468563	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2,2-Tetrachloroethane	CBZ	Ave	+++++ 2499918	27560 3205555	86266 5902036	796887	1509041	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
4-Ethyltoluene	CBZ	Ave	+++++ 5472643	56906 6985040	178721 12561817	1734735	3254506	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2-Chlorotoluene	CBZ	Ave	+++++ 4185726	45451 5348004	143035 9534395	1330365	2528122	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3,5-Trimethylbenzene	CBZ	Ave	+++++ 4489202	47911 5620271	153323 10366048	1449652	2733000	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2,4-Trimethylbenzene	CBZ	Ave	+++++ 4378158	47119 5548458	151773 10947712	1442555	2725227	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Dichlorobenzene	CBZ	Ave	+++++ 3444189	32987 4287818	119978 8881463	1073483	2044797	+++++ 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.: 200-27201-1 Analy Batch No.: 85319

SDG No.:

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

Calibration Start Date: 03/10/2015 00:15 Calibration End Date: 03/10/2015 11:32 Calibration ID: 30048

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,4-Dichlorobenzene	CBZ	Ave	+++++ 3417238	32330 4221095	122790 8968768	1063681	2059328	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichlorobenzene	CBZ	Ave	+++++ 3108328	31396 3997634	115106 8657246	1016810	1940897	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2,4-Trichlorobenzene	CBZ	Ave	+++++ 3012581	+++++ 3169446	90629 7531695	652159	1484286	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Hexachlorobutadiene	CBZ	Ave	+++++ 2362377	19463 2884546	71121 5177142	633541	1287512	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Naphthalene	CBZ	Ave	+++++ 6503952	+++++ 5986353	237193 16473319	1244972	2872037	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00

Curve Type Legend:
Ave = Average ISTD

Lab Name: TestAmerica Burlington Job No.: 200-27201-1 Analy Batch No.: 81448

SDG No.:

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

Calibration Start Date: 12/01/2014 18:06 Calibration End Date: 12/01/2014 23:37 Calibration ID: 28956

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-81448/3	10870_03.D
Level 2	IC 200-81448/4	10870_04.D
Level 3	IC 200-81448/5	10870_05.D
Level 4	IC 200-81448/6	10870_06.D
Level 5	ICIS 200-81448/7	10870_07.D
Level 6	IC 200-81448/8	10870_08.D
Level 7	IC 200-81448/9	10870_09.D
Level 8	IC 200-81448/10	10870_10.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	+++++ 0.5019	+++++ 0.4790	0.6341 0.4474	0.5105	0.4698	Ave		0.5071				13.0		30.0			
Dichlorodifluoromethane	+++++ 4.3243	+++++ 4.0064	4.7138 4.1088	4.2259	4.2419	Ave		4.2702				5.7		30.0			
Freon 22	+++++ 1.6303	+++++ 1.5671	1.8476 1.4934	1.6436	1.6057	Ave		1.6313				7.3		30.0			
1,2-Dichlorotetrafluoroethane	+++++ 3.2665	3.0582 3.1722	3.3964 3.1590	3.2103	3.5479	Ave		3.2587				5.1		30.0			
Chloromethane	+++++ 0.6347	+++++ 0.6100	0.7587 0.5766	0.6256	0.6021	Ave		0.6346				10.0		30.0			
n-Butane	+++++ 1.0642	+++++ 1.0219	1.2799 0.9890	1.0705	1.0792	Ave		1.0841				9.4		30.0			
Vinyl chloride	1.0165 0.8550	0.8544 0.8373	0.9388 0.8053	0.8821	0.8772	Ave		0.8833				7.5		30.0			
1,3-Butadiene	+++++ 0.5920	0.6023 0.5728	0.5982 0.5542	0.6016	0.5883	Ave		0.5871				3.0		30.0			
Bromomethane	+++++ 1.1458	1.1307 1.1084	1.3004 1.0240	1.1435	1.1246	Ave		1.1396				7.2		30.0			
Chloroethane	+++++ 0.4443	+++++ 0.4356	0.5216 0.4011	0.4474	0.4394	Ave		0.4482				8.8		30.0			
Isopentane	+++++ 0.7589	0.8058 0.7378	0.9590 0.6851	0.7836	0.8195	Ave		0.7928				11.0		30.0			
Bromoethene(Vinyl Bromide)	+++++ 1.0705	1.0044 1.0497	1.1424 1.0181	1.0422	1.0277	Ave		1.0507				4.4		30.0			
Trichlorofluoromethane	+++++ 4.3981	4.4035 4.2989	5.0228 4.1397	4.5132	4.3313	Ave		4.4439				6.3		30.0			
n-Pentane	+++++ 0.9756	+++++ 0.9677	1.0666 0.9255	0.9552	1.0432	Ave		0.9890				5.5		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

Lab Name: TestAmerica Burlington Job No.: 200-27201-1 Analy Batch No.: 81448

SDG No.:

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

Calibration Start Date: 12/01/2014 18:06 Calibration End Date: 12/01/2014 23:37 Calibration ID: 28956

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	+++++ 0.2426	+++++ 0.2463	0.2688 0.2381	0.3947	0.2021	Ave		0.2654				25.0		30.0			
Ethyl ether	+++++ 0.4951	0.4158 0.4875	0.4975 0.4627	0.4828	0.5268	Ave		0.4812				7.2		30.0			
Acrolein	+++++ 0.1921	+++++ 0.1826	+++++ 0.1785	0.1785	0.2086	Ave		0.1881				6.8		30.0			
Freon TF	+++++ 2.2662	2.2470 2.2287	2.4342 2.1926	2.2556	2.2324	Ave		2.2653				3.5		30.0			
1,1-Dichloroethene	+++++ 0.9427	0.8885 0.9339	0.9917 0.9278	0.9158	0.9020	Ave		0.9289				3.6		30.0			
Acetone	+++++ 1.3701	+++++ 1.1563	+++++ 1.0780	1.5710	1.3472	Ave		1.3045				15.0		30.0			
Carbon disulfide	+++++ 2.4746	+++++ 2.1658	2.2813 2.1485	2.1108	2.4232	Ave		2.2674				6.7		30.0			
Isopropyl alcohol	+++++ 0.8439	+++++ 0.8357	+++++ 0.7697	0.8906	0.7521	Ave		0.8184				6.9		30.0			
3-Chloropropene	+++++ 0.7853	0.6345 0.7752	0.7734 0.7561	0.7627	0.7074	Ave		0.7421				7.2		30.0			
Acetonitrile	+++++ 0.3736	+++++ 0.3577	+++++ 0.3424	0.3939	0.3863	Ave		0.3708				5.7		30.0			
Methylene Chloride	+++++ 0.8507	+++++ 0.8361	1.0782 0.7986	0.8939	0.8617	Ave		0.8865				11.0		30.0			
tert-Butyl alcohol	+++++ 1.6795	+++++ 1.6735	+++++ 1.5981	1.6757	1.6093	Ave		1.6472				2.4		30.0			
Methyl tert-butyl ether	+++++ 3.1014	2.6672 3.0622	2.8950 3.0591	2.9601	3.0023	Ave		2.9639				5.0		30.0			
trans-1,2-Dichloroethene	+++++ 1.2933	1.2397 1.2686	1.3992 1.2607	1.2933	1.3314	Ave		1.2980				4.1		30.0			
Acrylonitrile	+++++ 0.4342	+++++ 0.4279	0.3682 0.4205	0.4133	0.4383	Ave		0.4171				6.1		30.0			
n-Hexane	+++++ 1.0270	1.1412 1.0096	0.9493 1.0012	0.9764	1.0761	Ave		1.0258				6.3		30.0			
1,1-Dichloroethane	1.5504 1.5360	1.3962 1.5067	1.5965 1.4893	1.4913	1.5020	Ave		1.5086				3.8		30.0			
Vinyl acetate	+++++ 1.7883	+++++ 1.7854	+++++ 1.7527	1.6459	1.6506	Ave		1.7246				4.1		30.0			
cis-1,2-Dichloroethene	+++++ 1.0083	0.9667 0.9990	0.9933 1.0077	0.9649	0.9553	Ave		0.9850				2.2		30.0			
Methyl Ethyl Ketone	+++++ 0.3928	+++++ 0.3720	0.5149 0.3697	0.3615	0.3711	Ave		0.3970				15.0		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

Lab Name: TestAmerica Burlington Job No.: 200-27201-1 Analy Batch No.: 81448

SDG No.:

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

Calibration Start Date: 12/01/2014 18:06 Calibration End Date: 12/01/2014 23:37 Calibration ID: 28956

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	+++++ 0.0723	+++++ 0.0724	+++++ 0.0714	0.0671	0.0722	Ave		0.0711				3.2		30.0			
Tetrahydrofuran	+++++ 0.1489	+++++ 0.1424	+++++ 0.1402	0.1496	0.1494	Ave		0.1461				3.1		30.0			
Chloroform	+++++ 2.5085	2.3943 2.4774	2.5519 2.4721	2.4207	2.4498	Ave		2.4678				2.1		30.0			
Cyclohexane	+++++ 0.2796	0.2490 0.2751	0.2770 0.2782	0.2677	0.2783	Ave		0.2721				4.0		30.0			
1,1,1-Trichloroethane	+++++ 0.8103	0.7607 0.7836	0.8273 0.7844	0.8127	0.8109	Ave		0.7986				2.9		30.0			
Carbon tetrachloride	0.8128 0.9741	0.8779 0.9455	0.9906 0.9423	0.9963	0.9959	Ave		0.9419				7.0		30.0			
2,2,4-Trimethylpentane	+++++ 0.7819	0.6714 0.7785	0.7268 0.8032	0.7325	0.7521	Ave		0.7495				5.9		30.0			
Benzene	+++++ 0.5798	0.5852 0.5747	0.6121 0.6006	0.5532	0.5670	Ave		0.5818				3.4		30.0			
1,2-Dichloroethane	+++++ 0.4522	0.4512 0.4363	0.5103 0.4248	0.4570	0.4614	Ave		0.4562				5.9		30.0			
n-Heptane	+++++ 0.2591	0.2605 0.2539	0.2555 0.2583	0.2473	0.2494	Ave		0.2548				2.0		30.0			
n-Butanol	+++++ 0.0722	+++++ 0.0757	+++++ 0.0749	0.0760	0.0687	Ave		0.0735				4.2		30.0			
Trichloroethene	0.3365 0.3477	0.2993 0.3418	0.3396 0.3510	0.3277	0.3433	Ave		0.3359				4.9		30.0			
1,2-Dichloropropane	+++++ 0.1768	0.1453 0.1762	0.1710 0.1801	0.1676	0.1697	Ave		0.1695				6.8		30.0			
Methyl methacrylate	+++++ 0.1987	+++++ 0.1976	0.1498 0.2037	0.1723	0.1899	Ave		0.1853				11.0		30.0			
1,4-Dioxane	+++++ 0.0908	+++++ 0.0922	+++++ 0.0866	0.0973	0.0860	Ave		0.0906				5.1		30.0			
Dibromomethane	+++++ 0.4505	0.3829 0.4517	0.4256 0.4702	0.4088	0.4318	Ave		0.4317				6.8		30.0			
Bromodichloromethane	+++++ 0.7178	0.5308 0.7074	0.6261 0.7243	0.6766	0.6952	Ave		0.6683				10.0		30.0			
cis-1,3-Dichloropropene	+++++ 0.3779	0.2759 0.3790	0.3178 0.3944	0.3415	0.3648	Ave		0.3502				12.0		30.0			
methyl isobutyl ketone	+++++ 0.4032	+++++ 0.3955	0.3404 0.3990	0.3786	0.3859	Ave		0.3838				6.0		30.0			
Toluene	+++++ 0.5822	0.5879 0.5658	0.5874 0.5784	0.5550	0.5607	Ave		0.5739				2.3		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.: 200-27201-1 Analy Batch No.: 81448

SDG No.:

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

Calibration Start Date: 12/01/2014 18:06 Calibration End Date: 12/01/2014 23:37 Calibration ID: 28956

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	+++++ 0.3762	0.3284 0.3725	0.3517 0.3838	0.3559	0.3605	Ave		0.3613				5.1		30.0			
trans-1,3-Dichloropropene	+++++ 0.4807	0.6429 0.4738	0.4602 0.4900	0.4377	0.4539	Ave		0.4913				14.0		30.0			
1,1,2-Trichloroethane	+++++ 0.2747	0.2715 0.2687	0.2913 0.2690	0.2650	0.2722	Ave		0.2732				3.1		30.0			
Tetrachloroethene	1.1457 0.8481	0.8638 0.8277	0.8451 0.8567	0.8099	0.8271	Ave		0.8780				12.0		30.0			
Methyl Butyl Ketone (2-Hexanone)	+++++ 0.4981	+++++ 0.4748	0.4784 0.4645	0.4801	0.4779	Ave		0.4790				2.3		30.0			
Dibromochloromethane	+++++ 1.0638	0.8111 1.0313	0.8835 1.0603	0.9973	0.9931	Ave		0.9772				9.7		30.0			
1,2-Dibromoethane	+++++ 0.6689	0.6296 0.6527	0.6429 0.6752	0.6346	0.6540	Ave		0.6511				2.6		30.0			
Chlorobenzene	+++++ 0.9329	0.9547 0.9132	0.9669 0.9687	0.8832	0.9038	Ave		0.9319				3.6		30.0			
Ethylbenzene	+++++ 1.5624	1.4586 1.5320	1.5670 1.6321	1.4697	1.4976	Ave		1.5314				4.0		30.0			
n-Nonane	+++++ 0.4870	0.4956 0.4760	0.4751 0.4939	0.4681	0.4644	Ave		0.4800				2.6		30.0			
m,p-Xylene	+++++ 0.6214	0.5960 0.6121	0.5866 0.6757	0.5791	0.5863	Ave		0.6082				5.5		30.0			
Xylene, o-	+++++ 0.5864	0.5526 0.5788	0.5382 0.6076	0.5614	0.5520	Ave		0.5681				4.2		30.0			
Styrene	+++++ 0.9030	0.5509 0.8948	0.6828 0.9714	0.8287	0.8507	Ave		0.8118				18.0		30.0			
Bromoform	+++++ 1.2792	0.8478 1.2559	0.9652 1.3530	1.1701	1.1787	Ave		1.1500				16.0		30.0			
Cumene	+++++ 2.0488	1.7683 2.0280	1.9103 2.1362	1.9056	1.9216	Ave		1.9598				6.2		30.0			
1,1,2,2-Tetrachloroethane	+++++ 0.7554	0.6786 0.7395	0.7009 0.7917	0.7193	0.7339	Ave		0.7313				5.0		30.0			
n-Propylbenzene	+++++ 2.3608	2.0242 2.3516	2.2033 2.2995	2.2203	2.2218	Ave		2.2402				5.1		30.0			
1,2,3-Trichloropropane	+++++ 0.7099	+++++ 0.6889	0.7569 0.7115	0.7135	0.6848	Ave		0.7109				3.6		30.0			
n-Decane	+++++ 0.7144	+++++ 0.7088	0.6252 0.7777	0.6593	0.6723	Ave		0.6930				7.6		30.0			
4-Ethyltoluene	+++++ 2.2626	1.7620 2.2730	1.9123 2.2450	2.0279	2.1223	Ave		2.0864				9.4		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Burlington Job No.: 200-27201-1 Analy Batch No.: 81448

SDG No.:

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

Calibration Start Date: 12/01/2014 18:06 Calibration End Date: 12/01/2014 23:37 Calibration ID: 28956

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	+++++ 1.8564	1.5959 1.8406	1.7574 1.9747	1.7204	1.7366	Ave		1.7831				6.8		30.0			
1,3,5-Trimethylbenzene	+++++ 1.8379	1.5522 1.8271	1.6986 1.8288	1.7509	1.7329	Ave		1.7469				5.8		30.0			
Alpha Methyl Styrene	+++++ 0.7673	0.4790 0.8137	0.6184 0.8617	0.7524	0.7895	Ave		0.7260				18.0		30.0			
tert-Butylbenzene	+++++ 1.8384	1.6102 1.8171	1.7776 1.8193	1.7741	1.7327	Ave		1.7671				4.4		30.0			
1,2,4-Trimethylbenzene	+++++ 1.8550	1.4968 1.8404	1.6973 1.7998	1.7778	1.7369	Ave		1.7434				7.0		30.0			
sec-Butylbenzene	+++++ 2.4974	2.1592 2.4810	2.3130 2.2248	2.3921	2.3385	Ave		2.3437				5.3		30.0			
4-Isopropyltoluene	+++++ 2.4477	2.0493 2.4163	2.1803 2.1864	2.2915	2.2744	Ave		2.2637				6.2		30.0			
1,3-Dichlorobenzene	+++++ 1.4243	1.2270 1.4094	1.2826 1.4771	1.3270	1.3460	Ave		1.3562				6.4		30.0			
1,4-Dichlorobenzene	+++++ 1.4359	1.2001 1.4206	1.2976 1.4722	1.3383	1.3610	Ave		1.3608				6.8		30.0			
Benzyl chloride	+++++ 1.5471	1.1429 1.5004	1.3208 1.5283	1.4536	1.0844	Ave		1.3682				14.0		30.0			
n-Butylbenzene	+++++ 1.9894	1.6163 1.8762	1.8126 1.9480	1.9151	1.8992	Ave		1.8653				6.6		30.0			
n-Undecane	+++++ 0.7369	+++++ 0.7376	+++++ 0.8541	0.7678	0.7352	Ave		0.7663				6.6		30.0			
1,2-Dichlorobenzene	+++++ 1.3066	1.1655 1.2913	1.2191 1.3474	1.2464	1.2559	Ave		1.2617				4.8		30.0			
n-Dodecane	+++++ 0.7219	+++++ 0.6854	+++++ 0.7233	0.6386	0.7085	Ave		0.6955				5.1		30.0			
1,2,4-Trichlorobenzene	+++++ 1.3076	+++++ 1.2727	0.6887 1.4497	1.1347	1.1755	Ave		1.1715				22.0		30.0			
Hexachlorobutadiene	+++++ 1.5721	1.2857 1.5474	1.4804 1.5421	1.4614	1.4939	Ave		1.4833				6.5		30.0			
Naphthalene	+++++ 2.2336	+++++ 1.9794	0.5752 2.2824	1.6779	1.8063	Ave		1.7591				36.0	*	30.0			
1,2,3-Trichlorobenzene	+++++ 1.1786	0.6015 1.1360	0.5800 1.2686	0.9354	1.0427	Ave		0.9633				29.0		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Burlington Job No.: 200-27201-1 Analy Batch No.: 81448

SDG No.:

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

Calibration Start Date: 12/01/2014 18:06 Calibration End Date: 12/01/2014 23:37 Calibration ID: 28956

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-81448/3	10870_03.D
Level 2	IC 200-81448/4	10870_04.D
Level 3	IC 200-81448/5	10870_05.D
Level 4	IC 200-81448/6	10870_06.D
Level 5	ICIS 200-81448/7	10870_07.D
Level 6	IC 200-81448/8	10870_08.D
Level 7	IC 200-81448/9	10870_09.D
Level 8	IC 200-81448/10	10870_10.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	+++++ 313616	+++++ 424764	10319 897965	83072	174499	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Dichlorodifluoromethane	BCM	Ave	+++++ 2702288	+++++ 3552687	76715 8246826	687675	1575617	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Freon 22	BCM	Ave	+++++ 1018778	+++++ 1389603	30069 2997325	267468	596435	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,2-Dichlorotetrafluoroethane	BCM	Ave	+++++ 2041248	20756 2812970	55274 6340426	522416	1317846	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chloromethane	BCM	Ave	+++++ 396652	+++++ 540914	12347 1157365	101802	223639	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Butane	BCM	Ave	+++++ 665011	+++++ 906160	20830 1985069	174197	400851	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Vinyl chloride	BCM	Ave	1601 534291	5799 742444	15278 1616236	143539	325816	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Butadiene	BCM	Ave	+++++ 369943	4088 507921	9736 1112325	97899	218504	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromomethane	BCM	Ave	+++++ 716034	7674 982854	21164 2055169	186087	417721	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chloroethane	BCM	Ave	+++++ 277654	+++++ 386299	8488 805099	72803	163214	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Isopentane	BCM	Ave	+++++ 474211	5469 654239	15607 1375134	127510	304385	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromoethene(Vinyl Bromide)	BCM	Ave	+++++ 668940	6817 930821	18592 2043327	169598	381713	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Trichlorofluoromethane	BCM	Ave	+++++ 2748387	29886 3812108	81744 8308803	734432	1608807	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Pentane	BCM	Ave	+++++ 609632	+++++ 858128	17359 1857519	155446	387472	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Ethanol	BCM	Ave	+++++ 202550	+++++ 436956	43795 1194691	128544	112672	+++++ 20.0	+++++ 40.0	5.01 100.0	9.99	15.0

Lab Name: TestAmerica Burlington Job No.: 200-27201-1 Analy Batch No.: 81448

SDG No.:

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

Calibration Start Date: 12/01/2014 18:06 Calibration End Date: 12/01/2014 23:37 Calibration ID: 28956

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	+++++ 309385	2822 432252	8097 928612	78559	195685	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acrolein	BCM	Ave	+++++ 120045	+++++ 161904	+++++ 358295	29049	77492	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Freon TF	BCM	Ave	+++++ 1416162	15250 1976336	39616 4400768	367055	829218	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1-Dichloroethene	BCM	Ave	+++++ 589076	6030 828133	16139 1862236	149028	335057	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acetone	BCM	Ave	+++++ 856168	+++++ 1025392	+++++ 2163577	255652	500404	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Carbon disulfide	BCM	Ave	+++++ 1546386	+++++ 1920539	37127 4312181	343494	900057	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Isopropyl alcohol	BCM	Ave	+++++ 527374	+++++ 741103	+++++ 1544919	144927	279375	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
3-Chloropropene	BCM	Ave	+++++ 490727	4306 687380	12586 1517563	124116	262750	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acetonitrile	BCM	Ave	+++++ 233484	+++++ 317229	+++++ 687235	64100	143469	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Methylene Chloride	BCM	Ave	+++++ 531590	+++++ 741389	17547 1602967	145459	320081	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
tert-Butyl alcohol	BCM	Ave	+++++ 1049529	+++++ 1483978	+++++ 3207524	272690	597741	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Methyl tert-butyl ether	BCM	Ave	+++++ 1938068	18102 2715415	47115 6139986	481701	1115168	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
trans-1,2-Dichloroethene	BCM	Ave	+++++ 808208	8414 1124935	22771 2530331	210450	494532	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acrylonitrile	BCM	Ave	+++++ 271315	+++++ 379406	5992 843992	67260	162813	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Hexane	BCM	Ave	+++++ 641755	7745 895239	15450 2009594	158896	399693	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1-Dichloroethane	BCM	Ave	2442 959841	9476 1336095	25983 2989094	242678	557900	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Vinyl acetate	BCM	Ave	+++++ 1117489	+++++ 1583181	+++++ 3517813	267835	613089	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
cis-1,2-Dichloroethene	BCM	Ave	+++++ 630092	6561 885831	16165 2022507	157025	354822	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl Ethyl Ketone	BCM	Ave	+++++ 245489	+++++ 329900	8380 741985	58823	137842	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Ethyl acetate	BCM	Ave	+++++ 45174	+++++ 64163	+++++ 143290	10915	26809	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Tetrahydrofuran	DFB	Ave	+++++ 408393	+++++ 559489	+++++ 1246007	101881	236674	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00

Lab Name: TestAmerica Burlington Job No.: 200-27201-1 Analy Batch No.: 81448

SDG No.:

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

Calibration Start Date: 12/01/2014 18:06 Calibration End Date: 12/01/2014 23:37 Calibration ID: 28956

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	+++++ 1567554	16250 2196846	41531 4961707	393915	909936	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Cyclohexane	DFB	Ave	+++++ 767094	7206 1081172	18832 2472093	182256	440781	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,1-Trichloroethane	DFB	Ave	+++++ 2222775	22014 3079671	56246 6969777	553306	1284460	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Carbon tetrachloride	DFB	Ave	5621 2672292	25404 3715731	67351 8372879	678322	1577575	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2,2,4-Trimethylpentane	DFB	Ave	+++++ 2144914	19429 3059583	49413 7136988	498725	1191410	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Benzene	DFB	Ave	+++++ 1590413	16934 2258686	41617 5336141	376625	898138	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloroethane	DFB	Ave	+++++ 1240495	13057 1714825	34697 3774221	311170	730853	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Heptane	DFB	Ave	+++++ 710692	7537 997748	17370 2295018	168398	394982	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Butanol	DFB	Ave	+++++ 198080	+++++ 297511	+++++ 665633	51733	108743	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Trichloroethene	DFB	Ave	2327 953740	8662 1343459	23092 3118702	223074	543809	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloropropane	DFB	Ave	+++++ 484937	4204 692495	11629 1600073	114088	268868	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl methacrylate	DFB	Ave	+++++ 544972	+++++ 776721	10185 1809687	117285	300728	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,4-Dioxane	DFB	Ave	+++++ 249156	+++++ 362230	+++++ 769863	66275	136279	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Dibromomethane	DFB	Ave	+++++ 1235924	11080 1775194	28939 4177458	278343	683988	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromodichloromethane	DFB	Ave	+++++ 1969227	15361 2779951	42568 6435467	460639	1101235	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
cis-1,3-Dichloropropene	DFB	Ave	+++++ 1036659	7983 1489412	21604 3504767	232499	577841	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
methyl isobutyl ketone	DFB	Ave	+++++ 1106215	+++++ 1554371	23144 3545435	257750	611295	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Toluene	CBZ	Ave	+++++ 1321600	12152 1893979	30220 4550661	301212	736988	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Octane	DFB	Ave	+++++ 1031988	9502 1463862	23910 3410053	242284	571005	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
trans-1,3-Dichloropropene	DFB	Ave	+++++ 1318581	18605 1862153	31286 4353917	298008	719052	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2-Trichloroethane	CBZ	Ave	+++++ 623556	5612 899471	14986 2116598	143795	357828	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

Lab Name: TestAmerica Burlington Job No.: 200-27201-1 Analy Batch No.: 81448

SDG No.:

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

Calibration Start Date: 12/01/2014 18:06 Calibration End Date: 12/01/2014 23:37 Calibration ID: 28956

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	5617 1925373	17856 2770693	43476 6740259	439530	1087244	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl Butyl Ketone (2-Hexanone)	CBZ	Ave	+++++ 1130852	+++++ 1589571	24611 3654704	260574	628247	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Dibromochloromethane	CBZ	Ave	+++++ 2415034	16768 3452346	45449 8342023	541264	1305347	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dibromoethane	CBZ	Ave	+++++ 1518544	13015 2185099	33072 5312419	344421	859639	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chlorobenzene	CBZ	Ave	+++++ 2117838	19736 3056980	49741 7621175	479297	1188045	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Ethylbenzene	CBZ	Ave	+++++ 3546833	30152 5128718	80612 12840586	797632	1968543	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Nonane	CBZ	Ave	+++++ 1105506	10246 1593444	24439 3885397	254053	610421	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
m,p-Xylene	CBZ	Ave	+++++ 2821533	24643 4098247	60353 10632396	628533	1541309	+++++ 30.0	0.401 40.0	1.00 80.0	9.99	20.0
Xylene, o-	CBZ	Ave	+++++ 1331210	11423 1937768	27689 4780605	304656	725546	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Styrene	CBZ	Ave	+++++ 2049902	11388 2995430	35123 7642479	449762	1118246	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromoform	CBZ	Ave	+++++ 2903954	17526 4204416	49654 10644477	635011	1549312	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Cumene	CBZ	Ave	+++++ 4651141	36555 6788885	98272 16806149	1034199	2525945	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2,2-Tetrachloroethane	CBZ	Ave	+++++ 1714904	14028 2475666	36057 6228627	390349	964672	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Propylbenzene	CBZ	Ave	+++++ 5359264	41845 7872400	113343 18090913	1204998	2920504	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2,3-Trichloropropane	CBZ	Ave	+++++ 1611658	+++++ 2306103	38938 5597437	387237	900194	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Decane	CBZ	Ave	+++++ 1621828	+++++ 2372980	32162 6118310	357807	883774	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
4-Ethyltoluene	CBZ	Ave	+++++ 5136372	36424 7609264	98374 17662176	1100545	2789698	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2-Chlorotoluene	CBZ	Ave	+++++ 4214165	32991 6161806	90407 15535774	933673	2282691	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3,5-Trimethylbenzene	CBZ	Ave	+++++ 4172176	32086 6116568	87381 14387754	950251	2277845	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Alpha Methyl Styrene	CBZ	Ave	+++++ 1741789	9901 2723998	31813 6779515	408344	1037834	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
tert-Butylbenzene	CBZ	Ave	+++++ 4173442	33286 6083098	91446 14313391	962819	2277620	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

Lab Name: TestAmerica Burlington Job No.: 200-27201-1 Analy Batch No.: 81448

SDG No.:

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

Calibration Start Date: 12/01/2014 18:06 Calibration End Date: 12/01/2014 23:37 Calibration ID: 28956

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	+++++ 4211172	30941 6160903	87316 14159714	964826	2283109	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
sec-Butylbenzene	CBZ	Ave	+++++ 5669511	44635 8305518	118986 17503372	1298199	3073861	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
4-Isopropyltoluene	CBZ	Ave	+++++ 5556678	42364 8089108	112163 17201117	1243624	2989581	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Dichlorobenzene	CBZ	Ave	+++++ 3233402	25365 4718118	65980 11621178	720196	1769220	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,4-Dichlorobenzene	CBZ	Ave	+++++ 3259580	24808 4755705	66750 11582592	726312	1789009	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Benzyl chloride	CBZ	Ave	+++++ 3512122	23625 5022859	67945 12024099	788905	1425422	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Butylbenzene	CBZ	Ave	+++++ 4516123	33413 6280722	93245 15325792	1039358	2496429	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Undecane	CBZ	Ave	+++++ 1672944	+++++ 2469185	+++++ 6719631	416715	966419	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
1,2-Dichlorobenzene	CBZ	Ave	+++++ 2966210	24093 4322984	62713 10600533	676429	1650870	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Dodecane	CBZ	Ave	+++++ 1638710	+++++ 2294578	+++++ 5690428	346557	931295	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
1,2,4-Trichlorobenzene	CBZ	Ave	+++++ 2968422	+++++ 4260421	35428 11405650	615799	1545207	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Hexachlorobutadiene	CBZ	Ave	+++++ 3568820	26578 5180232	76155 12132145	793140	1963686	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Naphthalene	CBZ	Ave	+++++ 5070472	+++++ 6626343	29591 17956771	910624	2374301	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,2,3-Trichlorobenzene	CBZ	Ave	+++++ 2675506	12435 3802921	29838 9980826	507628	1370624	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

Curve Type Legend:
Ave = Average ISTD

Lab Name: TestAmerica Burlington Job No.: 200-27310-1 Analy Batch No.: 81448

SDG No.:

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

Calibration Start Date: 12/01/2014 18:06 Calibration End Date: 12/01/2014 23:37 Calibration ID: 28956

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-81448/3	10870_03.D
Level 2	IC 200-81448/4	10870_04.D
Level 3	IC 200-81448/5	10870_05.D
Level 4	IC 200-81448/6	10870_06.D
Level 5	ICIS 200-81448/7	10870_07.D
Level 6	IC 200-81448/8	10870_08.D
Level 7	IC 200-81448/9	10870_09.D
Level 8	IC 200-81448/10	10870_10.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	+++++ 0.5019	+++++ 0.4790	0.6341 0.4474	0.5105	0.4698	Ave		0.5071				13.0		30.0			
Dichlorodifluoromethane	+++++ 4.3243	+++++ 4.0064	4.7138 4.1088	4.2259	4.2419	Ave		4.2702				5.7		30.0			
Freon 22	+++++ 1.6303	+++++ 1.5671	1.8476 1.4934	1.6436	1.6057	Ave		1.6313				7.3		30.0			
1,2-Dichlorotetrafluoroethane	+++++ 3.2665	3.0582 3.1722	3.3964 3.1590	3.2103	3.5479	Ave		3.2587				5.1		30.0			
Chloromethane	+++++ 0.6347	+++++ 0.6100	0.7587 0.5766	0.6256	0.6021	Ave		0.6346				10.0		30.0			
n-Butane	+++++ 1.0642	+++++ 1.0219	1.2799 0.9890	1.0705	1.0792	Ave		1.0841				9.4		30.0			
Vinyl chloride	1.0165 0.8550	0.8544 0.8373	0.9388 0.8053	0.8821	0.8772	Ave		0.8833				7.5		30.0			
1,3-Butadiene	+++++ 0.5920	0.6023 0.5728	0.5982 0.5542	0.6016	0.5883	Ave		0.5871				3.0		30.0			
Bromomethane	+++++ 1.1458	1.1307 1.1084	1.3004 1.0240	1.1435	1.1246	Ave		1.1396				7.2		30.0			
Chloroethane	+++++ 0.4443	+++++ 0.4356	0.5216 0.4011	0.4474	0.4394	Ave		0.4482				8.8		30.0			
Isopentane	+++++ 0.7589	0.8058 0.7378	0.9590 0.6851	0.7836	0.8195	Ave		0.7928				11.0		30.0			
Bromoethene(Vinyl Bromide)	+++++ 1.0705	1.0044 1.0497	1.1424 1.0181	1.0422	1.0277	Ave		1.0507				4.4		30.0			
Trichlorofluoromethane	+++++ 4.3981	4.4035 4.2989	5.0228 4.1397	4.5132	4.3313	Ave		4.4439				6.3		30.0			
n-Pentane	+++++ 0.9756	+++++ 0.9677	1.0666 0.9255	0.9552	1.0432	Ave		0.9890				5.5		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

Lab Name: TestAmerica Burlington Job No.: 200-27310-1 Analy Batch No.: 81448

SDG No.:

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

Calibration Start Date: 12/01/2014 18:06 Calibration End Date: 12/01/2014 23:37 Calibration ID: 28956

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	+++++ 0.2426	+++++ 0.2463	0.2688 0.2381	0.3947	0.2021	Ave		0.2654				25.0		30.0			
Ethyl ether	+++++ 0.4951	0.4158 0.4875	0.4975 0.4627	0.4828	0.5268	Ave		0.4812				7.2		30.0			
Acrolein	+++++ 0.1921	+++++ 0.1826	+++++ 0.1785	0.1785	0.2086	Ave		0.1881				6.8		30.0			
Freon TF	+++++ 2.2662	2.2470 2.2287	2.4342 2.1926	2.2556	2.2324	Ave		2.2653				3.5		30.0			
1,1-Dichloroethene	+++++ 0.9427	0.8885 0.9339	0.9917 0.9278	0.9158	0.9020	Ave		0.9289				3.6		30.0			
Acetone	+++++ 1.3701	+++++ 1.1563	+++++ 1.0780	1.5710	1.3472	Ave		1.3045				15.0		30.0			
Carbon disulfide	+++++ 2.4746	+++++ 2.1658	2.2813 2.1485	2.1108	2.4232	Ave		2.2674				6.7		30.0			
Isopropyl alcohol	+++++ 0.8439	+++++ 0.8357	+++++ 0.7697	0.8906	0.7521	Ave		0.8184				6.9		30.0			
3-Chloropropene	+++++ 0.7853	0.6345 0.7752	0.7734 0.7561	0.7627	0.7074	Ave		0.7421				7.2		30.0			
Acetonitrile	+++++ 0.3736	+++++ 0.3577	+++++ 0.3424	0.3939	0.3863	Ave		0.3708				5.7		30.0			
Methylene Chloride	+++++ 0.8507	+++++ 0.8361	1.0782 0.7986	0.8939	0.8617	Ave		0.8865				11.0		30.0			
tert-Butyl alcohol	+++++ 1.6795	+++++ 1.6735	+++++ 1.5981	1.6757	1.6093	Ave		1.6472				2.4		30.0			
Methyl tert-butyl ether	+++++ 3.1014	2.6672 3.0622	2.8950 3.0591	2.9601	3.0023	Ave		2.9639				5.0		30.0			
trans-1,2-Dichloroethene	+++++ 1.2933	1.2397 1.2686	1.3992 1.2607	1.2933	1.3314	Ave		1.2980				4.1		30.0			
Acrylonitrile	+++++ 0.4342	+++++ 0.4279	0.3682 0.4205	0.4133	0.4383	Ave		0.4171				6.1		30.0			
n-Hexane	+++++ 1.0270	1.1412 1.0096	0.9493 1.0012	0.9764	1.0761	Ave		1.0258				6.3		30.0			
1,1-Dichloroethane	1.5504 1.5360	1.3962 1.5067	1.5965 1.4893	1.4913	1.5020	Ave		1.5086				3.8		30.0			
Vinyl acetate	+++++ 1.7883	+++++ 1.7854	+++++ 1.7527	1.6459	1.6506	Ave		1.7246				4.1		30.0			
cis-1,2-Dichloroethene	+++++ 1.0083	0.9667 0.9990	0.9933 1.0077	0.9649	0.9553	Ave		0.9850				2.2		30.0			
Methyl Ethyl Ketone	+++++ 0.3928	+++++ 0.3720	0.5149 0.3697	0.3615	0.3711	Ave		0.3970				15.0		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

Lab Name: TestAmerica Burlington Job No.: 200-27310-1 Analy Batch No.: 81448

SDG No.:

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

Calibration Start Date: 12/01/2014 18:06 Calibration End Date: 12/01/2014 23:37 Calibration ID: 28956

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	+++++ 0.0723	+++++ 0.0724	+++++ 0.0714	0.0671	0.0722	Ave		0.0711				3.2		30.0			
Tetrahydrofuran	+++++ 0.1489	+++++ 0.1424	+++++ 0.1402	0.1496	0.1494	Ave		0.1461				3.1		30.0			
Chloroform	+++++ 2.5085	2.3943 2.4774	2.5519 2.4721	2.4207	2.4498	Ave		2.4678				2.1		30.0			
Cyclohexane	+++++ 0.2796	0.2490 0.2751	0.2770 0.2782	0.2677	0.2783	Ave		0.2721				4.0		30.0			
1,1,1-Trichloroethane	+++++ 0.8103	0.7607 0.7836	0.8273 0.7844	0.8127	0.8109	Ave		0.7986				2.9		30.0			
Carbon tetrachloride	0.8128 0.9741	0.8779 0.9455	0.9906 0.9423	0.9963	0.9959	Ave		0.9419				7.0		30.0			
2,2,4-Trimethylpentane	+++++ 0.7819	0.6714 0.7785	0.7268 0.8032	0.7325	0.7521	Ave		0.7495				5.9		30.0			
Benzene	+++++ 0.5798	0.5852 0.5747	0.6121 0.6006	0.5532	0.5670	Ave		0.5818				3.4		30.0			
1,2-Dichloroethane	+++++ 0.4522	0.4512 0.4363	0.5103 0.4248	0.4570	0.4614	Ave		0.4562				5.9		30.0			
n-Heptane	+++++ 0.2591	0.2605 0.2539	0.2555 0.2583	0.2473	0.2494	Ave		0.2548				2.0		30.0			
n-Butanol	+++++ 0.0722	+++++ 0.0757	+++++ 0.0749	0.0760	0.0687	Ave		0.0735				4.2		30.0			
Trichloroethene	0.3365 0.3477	0.2993 0.3418	0.3396 0.3510	0.3277	0.3433	Ave		0.3359				4.9		30.0			
1,2-Dichloropropane	+++++ 0.1768	0.1453 0.1762	0.1710 0.1801	0.1676	0.1697	Ave		0.1695				6.8		30.0			
Methyl methacrylate	+++++ 0.1987	+++++ 0.1976	0.1498 0.2037	0.1723	0.1899	Ave		0.1853				11.0		30.0			
1,4-Dioxane	+++++ 0.0908	+++++ 0.0922	+++++ 0.0866	0.0973	0.0860	Ave		0.0906				5.1		30.0			
Dibromomethane	+++++ 0.4505	0.3829 0.4517	0.4256 0.4702	0.4088	0.4318	Ave		0.4317				6.8		30.0			
Bromodichloromethane	+++++ 0.7178	0.5308 0.7074	0.6261 0.7243	0.6766	0.6952	Ave		0.6683				10.0		30.0			
cis-1,3-Dichloropropene	+++++ 0.3779	0.2759 0.3790	0.3178 0.3944	0.3415	0.3648	Ave		0.3502				12.0		30.0			
methyl isobutyl ketone	+++++ 0.4032	+++++ 0.3955	0.3404 0.3990	0.3786	0.3859	Ave		0.3838				6.0		30.0			
Toluene	+++++ 0.5822	0.5879 0.5658	0.5874 0.5784	0.5550	0.5607	Ave		0.5739				2.3		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.: 200-27310-1 Analy Batch No.: 81448

SDG No.:

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

Calibration Start Date: 12/01/2014 18:06 Calibration End Date: 12/01/2014 23:37 Calibration ID: 28956

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	+++++ 0.3762	0.3284 0.3725	0.3517 0.3838	0.3559	0.3605	Ave		0.3613				5.1		30.0			
trans-1,3-Dichloropropene	+++++ 0.4807	0.6429 0.4738	0.4602 0.4900	0.4377	0.4539	Ave		0.4913				14.0		30.0			
1,1,2-Trichloroethane	+++++ 0.2747	0.2715 0.2687	0.2913 0.2690	0.2650	0.2722	Ave		0.2732				3.1		30.0			
Tetrachloroethene	1.1457 0.8481	0.8638 0.8277	0.8451 0.8567	0.8099	0.8271	Ave		0.8780				12.0		30.0			
Methyl Butyl Ketone (2-Hexanone)	+++++ 0.4981	+++++ 0.4748	0.4784 0.4645	0.4801	0.4779	Ave		0.4790				2.3		30.0			
Dibromochloromethane	+++++ 1.0638	0.8111 1.0313	0.8835 1.0603	0.9973	0.9931	Ave		0.9772				9.7		30.0			
1,2-Dibromoethane	+++++ 0.6689	0.6296 0.6527	0.6429 0.6752	0.6346	0.6540	Ave		0.6511				2.6		30.0			
Chlorobenzene	+++++ 0.9329	0.9547 0.9132	0.9669 0.9687	0.8832	0.9038	Ave		0.9319				3.6		30.0			
Ethylbenzene	+++++ 1.5624	1.4586 1.5320	1.5670 1.6321	1.4697	1.4976	Ave		1.5314				4.0		30.0			
n-Nonane	+++++ 0.4870	0.4956 0.4760	0.4751 0.4939	0.4681	0.4644	Ave		0.4800				2.6		30.0			
m,p-Xylene	+++++ 0.6214	0.5960 0.6121	0.5866 0.6757	0.5791	0.5863	Ave		0.6082				5.5		30.0			
Xylene, o-	+++++ 0.5864	0.5526 0.5788	0.5382 0.6076	0.5614	0.5520	Ave		0.5681				4.2		30.0			
Styrene	+++++ 0.9030	0.5509 0.8948	0.6828 0.9714	0.8287	0.8507	Ave		0.8118				18.0		30.0			
Bromoform	+++++ 1.2792	0.8478 1.2559	0.9652 1.3530	1.1701	1.1787	Ave		1.1500				16.0		30.0			
Cumene	+++++ 2.0488	1.7683 2.0280	1.9103 2.1362	1.9056	1.9216	Ave		1.9598				6.2		30.0			
1,1,2,2-Tetrachloroethane	+++++ 0.7554	0.6786 0.7395	0.7009 0.7917	0.7193	0.7339	Ave		0.7313				5.0		30.0			
n-Propylbenzene	+++++ 2.3608	2.0242 2.3516	2.2033 2.2995	2.2203	2.2218	Ave		2.2402				5.1		30.0			
1,2,3-Trichloropropane	+++++ 0.7099	+++++ 0.6889	0.7569 0.7115	0.7135	0.6848	Ave		0.7109				3.6		30.0			
n-Decane	+++++ 0.7144	+++++ 0.7088	0.6252 0.7777	0.6593	0.6723	Ave		0.6930				7.6		30.0			
4-Ethyltoluene	+++++ 2.2626	1.7620 2.2730	1.9123 2.2450	2.0279	2.1223	Ave		2.0864				9.4		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

Lab Name: TestAmerica Burlington Job No.: 200-27310-1 Analy Batch No.: 81448

SDG No.:

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

Calibration Start Date: 12/01/2014 18:06 Calibration End Date: 12/01/2014 23:37 Calibration ID: 28956

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	+++++ 1.8564	1.5959 1.8406	1.7574 1.9747	1.7204	1.7366	Ave		1.7831				6.8		30.0			
1,3,5-Trimethylbenzene	+++++ 1.8379	1.5522 1.8271	1.6986 1.8288	1.7509	1.7329	Ave		1.7469				5.8		30.0			
Alpha Methyl Styrene	+++++ 0.7673	0.4790 0.8137	0.6184 0.8617	0.7524	0.7895	Ave		0.7260				18.0		30.0			
tert-Butylbenzene	+++++ 1.8384	1.6102 1.8171	1.7776 1.8193	1.7741	1.7327	Ave		1.7671				4.4		30.0			
1,2,4-Trimethylbenzene	+++++ 1.8550	1.4968 1.8404	1.6973 1.7998	1.7778	1.7369	Ave		1.7434				7.0		30.0			
sec-Butylbenzene	+++++ 2.4974	2.1592 2.4810	2.3130 2.2248	2.3921	2.3385	Ave		2.3437				5.3		30.0			
4-Isopropyltoluene	+++++ 2.4477	2.0493 2.4163	2.1803 2.1864	2.2915	2.2744	Ave		2.2637				6.2		30.0			
1,3-Dichlorobenzene	+++++ 1.4243	1.2270 1.4094	1.2826 1.4771	1.3270	1.3460	Ave		1.3562				6.4		30.0			
1,4-Dichlorobenzene	+++++ 1.4359	1.2001 1.4206	1.2976 1.4722	1.3383	1.3610	Ave		1.3608				6.8		30.0			
Benzyl chloride	+++++ 1.5471	1.1429 1.5004	1.3208 1.5283	1.4536	1.0844	Ave		1.3682				14.0		30.0			
n-Butylbenzene	+++++ 1.9894	1.6163 1.8762	1.8126 1.9480	1.9151	1.8992	Ave		1.8653				6.6		30.0			
n-Undecane	+++++ 0.7369	+++++ 0.7376	+++++ 0.8541	0.7678	0.7352	Ave		0.7663				6.6		30.0			
1,2-Dichlorobenzene	+++++ 1.3066	1.1655 1.2913	1.2191 1.3474	1.2464	1.2559	Ave		1.2617				4.8		30.0			
n-Dodecane	+++++ 0.7219	+++++ 0.6854	+++++ 0.7233	0.6386	0.7085	Ave		0.6955				5.1		30.0			
1,2,4-Trichlorobenzene	+++++ 1.3076	+++++ 1.2727	0.6887 1.4497	1.1347	1.1755	Ave		1.1715				22.0		30.0			
Hexachlorobutadiene	+++++ 1.5721	1.2857 1.5474	1.4804 1.5421	1.4614	1.4939	Ave		1.4833				6.5		30.0			
Naphthalene	+++++ 2.2336	+++++ 1.9794	0.5752 2.2824	1.6779	1.8063	Ave		1.7591				36.0	*	30.0			
1,2,3-Trichlorobenzene	+++++ 1.1786	0.6015 1.1360	0.5800 1.2686	0.9354	1.0427	Ave		0.9633				29.0		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Burlington Job No.: 200-27310-1 Analy Batch No.: 81448

SDG No.:

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

Calibration Start Date: 12/01/2014 18:06 Calibration End Date: 12/01/2014 23:37 Calibration ID: 28956

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-81448/3	10870_03.D
Level 2	IC 200-81448/4	10870_04.D
Level 3	IC 200-81448/5	10870_05.D
Level 4	IC 200-81448/6	10870_06.D
Level 5	ICIS 200-81448/7	10870_07.D
Level 6	IC 200-81448/8	10870_08.D
Level 7	IC 200-81448/9	10870_09.D
Level 8	IC 200-81448/10	10870_10.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	+++++ 313616	+++++ 424764	10319 897965	83072	174499	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Dichlorodifluoromethane	BCM	Ave	+++++ 2702288	+++++ 3552687	76715 8246826	687675	1575617	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Freon 22	BCM	Ave	+++++ 1018778	+++++ 1389603	30069 2997325	267468	596435	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,2-Dichlorotetrafluoroethane	BCM	Ave	+++++ 2041248	20756 2812970	55274 6340426	522416	1317846	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chloromethane	BCM	Ave	+++++ 396652	+++++ 540914	12347 1157365	101802	223639	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Butane	BCM	Ave	+++++ 665011	+++++ 906160	20830 1985069	174197	400851	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Vinyl chloride	BCM	Ave	1601 534291	5799 742444	15278 1616236	143539	325816	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Butadiene	BCM	Ave	+++++ 369943	4088 507921	9736 1112325	97899	218504	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromomethane	BCM	Ave	+++++ 716034	7674 982854	21164 2055169	186087	417721	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chloroethane	BCM	Ave	+++++ 277654	+++++ 386299	8488 805099	72803	163214	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Isopentane	BCM	Ave	+++++ 474211	5469 654239	15607 1375134	127510	304385	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromoethene(Vinyl Bromide)	BCM	Ave	+++++ 668940	6817 930821	18592 2043327	169598	381713	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Trichlorofluoromethane	BCM	Ave	+++++ 2748387	29886 3812108	81744 8308803	734432	1608807	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Pentane	BCM	Ave	+++++ 609632	+++++ 858128	17359 1857519	155446	387472	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Ethanol	BCM	Ave	+++++ 202550	+++++ 436956	43795 1194691	128544	112672	+++++ 20.0	+++++ 40.0	5.01 100.0	9.99	15.0

Lab Name: TestAmerica Burlington Job No.: 200-27310-1 Analy Batch No.: 81448

SDG No.:

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

Calibration Start Date: 12/01/2014 18:06 Calibration End Date: 12/01/2014 23:37 Calibration ID: 28956

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	+++++ 309385	2822 432252	8097 928612	78559	195685	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acrolein	BCM	Ave	+++++ 120045	+++++ 161904	+++++ 358295	29049	77492	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Freon TF	BCM	Ave	+++++ 1416162	15250 1976336	39616 4400768	367055	829218	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1-Dichloroethene	BCM	Ave	+++++ 589076	6030 828133	16139 1862236	149028	335057	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acetone	BCM	Ave	+++++ 856168	+++++ 1025392	+++++ 2163577	255652	500404	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Carbon disulfide	BCM	Ave	+++++ 1546386	+++++ 1920539	37127 4312181	343494	900057	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Isopropyl alcohol	BCM	Ave	+++++ 527374	+++++ 741103	+++++ 1544919	144927	279375	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
3-Chloropropene	BCM	Ave	+++++ 490727	4306 687380	12586 1517563	124116	262750	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acetonitrile	BCM	Ave	+++++ 233484	+++++ 317229	+++++ 687235	64100	143469	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Methylene Chloride	BCM	Ave	+++++ 531590	+++++ 741389	17547 1602967	145459	320081	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
tert-Butyl alcohol	BCM	Ave	+++++ 1049529	+++++ 1483978	+++++ 3207524	272690	597741	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Methyl tert-butyl ether	BCM	Ave	+++++ 1938068	18102 2715415	47115 6139986	481701	1115168	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
trans-1,2-Dichloroethene	BCM	Ave	+++++ 808208	8414 1124935	22771 2530331	210450	494532	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acrylonitrile	BCM	Ave	+++++ 271315	+++++ 379406	5992 843992	67260	162813	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Hexane	BCM	Ave	+++++ 641755	7745 895239	15450 2009594	158896	399693	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1-Dichloroethane	BCM	Ave	2442 959841	9476 1336095	25983 2989094	242678	557900	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Vinyl acetate	BCM	Ave	+++++ 1117489	+++++ 1583181	+++++ 3517813	267835	613089	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
cis-1,2-Dichloroethene	BCM	Ave	+++++ 630092	6561 885831	16165 2022507	157025	354822	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl Ethyl Ketone	BCM	Ave	+++++ 245489	+++++ 329900	8380 741985	58823	137842	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Ethyl acetate	BCM	Ave	+++++ 45174	+++++ 64163	+++++ 143290	10915	26809	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Tetrahydrofuran	DFB	Ave	+++++ 408393	+++++ 559489	+++++ 1246007	101881	236674	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00

Lab Name: TestAmerica Burlington Job No.: 200-27310-1 Analy Batch No.: 81448

SDG No.:

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

Calibration Start Date: 12/01/2014 18:06 Calibration End Date: 12/01/2014 23:37 Calibration ID: 28956

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	+++++ 1567554	16250 2196846	41531 4961707	393915	909936	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Cyclohexane	DFB	Ave	+++++ 767094	7206 1081172	18832 2472093	182256	440781	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,1-Trichloroethane	DFB	Ave	+++++ 2222775	22014 3079671	56246 6969777	553306	1284460	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Carbon tetrachloride	DFB	Ave	5621 2672292	25404 3715731	67351 8372879	678322	1577575	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2,2,4-Trimethylpentane	DFB	Ave	+++++ 2144914	19429 3059583	49413 7136988	498725	1191410	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Benzene	DFB	Ave	+++++ 1590413	16934 2258686	41617 5336141	376625	898138	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloroethane	DFB	Ave	+++++ 1240495	13057 1714825	34697 3774221	311170	730853	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Heptane	DFB	Ave	+++++ 710692	7537 997748	17370 2295018	168398	394982	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Butanol	DFB	Ave	+++++ 198080	+++++ 297511	+++++ 665633	51733	108743	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Trichloroethene	DFB	Ave	2327 953740	8662 1343459	23092 3118702	223074	543809	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloropropane	DFB	Ave	+++++ 484937	4204 692495	11629 1600073	114088	268868	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl methacrylate	DFB	Ave	+++++ 544972	+++++ 776721	10185 1809687	117285	300728	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,4-Dioxane	DFB	Ave	+++++ 249156	+++++ 362230	+++++ 769863	66275	136279	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Dibromomethane	DFB	Ave	+++++ 1235924	11080 1775194	28939 4177458	278343	683988	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromodichloromethane	DFB	Ave	+++++ 1969227	15361 2779951	42568 6435467	460639	1101235	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
cis-1,3-Dichloropropene	DFB	Ave	+++++ 1036659	7983 1489412	21604 3504767	232499	577841	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
methyl isobutyl ketone	DFB	Ave	+++++ 1106215	+++++ 1554371	23144 3545435	257750	611295	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Toluene	CBZ	Ave	+++++ 1321600	12152 1893979	30220 4550661	301212	736988	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Octane	DFB	Ave	+++++ 1031988	9502 1463862	23910 3410053	242284	571005	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
trans-1,3-Dichloropropene	DFB	Ave	+++++ 1318581	18605 1862153	31286 4353917	298008	719052	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2-Trichloroethane	CBZ	Ave	+++++ 623556	5612 899471	14986 2116598	143795	357828	+++++ 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.: 200-27310-1 Analy Batch No.: 81448

SDG No.:

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

Calibration Start Date: 12/01/2014 18:06 Calibration End Date: 12/01/2014 23:37 Calibration ID: 28956

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	5617 1925373	17856 2770693	43476 6740259	439530	1087244	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl Butyl Ketone (2-Hexanone)	CBZ	Ave	+++++ 1130852	+++++ 1589571	24611 3654704	260574	628247	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Dibromochloromethane	CBZ	Ave	+++++ 2415034	16768 3452346	45449 8342023	541264	1305347	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dibromoethane	CBZ	Ave	+++++ 1518544	13015 2185099	33072 5312419	344421	859639	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chlorobenzene	CBZ	Ave	+++++ 2117838	19736 3056980	49741 7621175	479297	1188045	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Ethylbenzene	CBZ	Ave	+++++ 3546833	30152 5128718	80612 12840586	797632	1968543	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Nonane	CBZ	Ave	+++++ 1105506	10246 1593444	24439 3885397	254053	610421	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
m,p-Xylene	CBZ	Ave	+++++ 2821533	24643 4098247	60353 10632396	628533	1541309	+++++ 30.0	0.401 40.0	1.00 80.0	9.99	20.0
Xylene, o-	CBZ	Ave	+++++ 1331210	11423 1937768	27689 4780605	304656	725546	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Styrene	CBZ	Ave	+++++ 2049902	11388 2995430	35123 7642479	449762	1118246	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromoform	CBZ	Ave	+++++ 2903954	17526 4204416	49654 10644477	635011	1549312	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Cumene	CBZ	Ave	+++++ 4651141	36555 6788885	98272 16806149	1034199	2525945	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2,2-Tetrachloroethane	CBZ	Ave	+++++ 1714904	14028 2475666	36057 6228627	390349	964672	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Propylbenzene	CBZ	Ave	+++++ 5359264	41845 7872400	113343 18090913	1204998	2920504	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2,3-Trichloropropane	CBZ	Ave	+++++ 1611658	+++++ 2306103	38938 5597437	387237	900194	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Decane	CBZ	Ave	+++++ 1621828	+++++ 2372980	32162 6118310	357807	883774	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
4-Ethyltoluene	CBZ	Ave	+++++ 5136372	36424 7609264	98374 17662176	1100545	2789698	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2-Chlorotoluene	CBZ	Ave	+++++ 4214165	32991 6161806	90407 15535774	933673	2282691	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3,5-Trimethylbenzene	CBZ	Ave	+++++ 4172176	32086 6116568	87381 14387754	950251	2277845	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Alpha Methyl Styrene	CBZ	Ave	+++++ 1741789	9901 2723998	31813 6779515	408344	1037834	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
tert-Butylbenzene	CBZ	Ave	+++++ 4173442	33286 6083098	91446 14313391	962819	2277620	+++++ 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.: 200-27310-1 Analy Batch No.: 81448

SDG No.:

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

Calibration Start Date: 12/01/2014 18:06 Calibration End Date: 12/01/2014 23:37 Calibration ID: 28956

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	+++++ 4211172	30941 6160903	87316 14159714	964826	2283109	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
sec-Butylbenzene	CBZ	Ave	+++++ 5669511	44635 8305518	118986 17503372	1298199	3073861	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
4-Isopropyltoluene	CBZ	Ave	+++++ 5556678	42364 8089108	112163 17201117	1243624	2989581	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Dichlorobenzene	CBZ	Ave	+++++ 3233402	25365 4718118	65980 11621178	720196	1769220	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,4-Dichlorobenzene	CBZ	Ave	+++++ 3259580	24808 4755705	66750 11582592	726312	1789009	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Benzyl chloride	CBZ	Ave	+++++ 3512122	23625 5022859	67945 12024099	788905	1425422	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Butylbenzene	CBZ	Ave	+++++ 4516123	33413 6280722	93245 15325792	1039358	2496429	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Undecane	CBZ	Ave	+++++ 1672944	+++++ 2469185	+++++ 6719631	416715	966419	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
1,2-Dichlorobenzene	CBZ	Ave	+++++ 2966210	24093 4322984	62713 10600533	676429	1650870	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Dodecane	CBZ	Ave	+++++ 1638710	+++++ 2294578	+++++ 5690428	346557	931295	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
1,2,4-Trichlorobenzene	CBZ	Ave	+++++ 2968422	+++++ 4260421	35428 11405650	615799	1545207	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Hexachlorobutadiene	CBZ	Ave	+++++ 3568820	26578 5180232	76155 12132145	793140	1963686	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Naphthalene	CBZ	Ave	+++++ 5070472	+++++ 6626343	29591 17956771	910624	2374301	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,2,3-Trichlorobenzene	CBZ	Ave	+++++ 2675506	12435 3802921	29838 9980826	507628	1370624	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

Curve Type Legend:
Ave = Average ISTD

Lab Name: TestAmerica Burlington Job No.: 200-27311-1 Analy Batch No.: 81448

SDG No.:

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

Calibration Start Date: 12/01/2014 18:06 Calibration End Date: 12/01/2014 23:37 Calibration ID: 28956

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-81448/3	10870_03.D
Level 2	IC 200-81448/4	10870_04.D
Level 3	IC 200-81448/5	10870_05.D
Level 4	IC 200-81448/6	10870_06.D
Level 5	ICIS 200-81448/7	10870_07.D
Level 6	IC 200-81448/8	10870_08.D
Level 7	IC 200-81448/9	10870_09.D
Level 8	IC 200-81448/10	10870_10.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	+++++ 0.5019	+++++ 0.4790	0.6341 0.4474	0.5105	0.4698	Ave		0.5071				13.0		30.0			
Dichlorodifluoromethane	+++++ 4.3243	+++++ 4.0064	4.7138 4.1088	4.2259	4.2419	Ave		4.2702				5.7		30.0			
Freon 22	+++++ 1.6303	+++++ 1.5671	1.8476 1.4934	1.6436	1.6057	Ave		1.6313				7.3		30.0			
1,2-Dichlorotetrafluoroethane	+++++ 3.2665	3.0582 3.1722	3.3964 3.1590	3.2103	3.5479	Ave		3.2587				5.1		30.0			
Chloromethane	+++++ 0.6347	+++++ 0.6100	0.7587 0.5766	0.6256	0.6021	Ave		0.6346				10.0		30.0			
n-Butane	+++++ 1.0642	+++++ 1.0219	1.2799 0.9890	1.0705	1.0792	Ave		1.0841				9.4		30.0			
Vinyl chloride	1.0165 0.8550	0.8544 0.8373	0.9388 0.8053	0.8821	0.8772	Ave		0.8833				7.5		30.0			
1,3-Butadiene	+++++ 0.5920	0.6023 0.5728	0.5982 0.5542	0.6016	0.5883	Ave		0.5871				3.0		30.0			
Bromomethane	+++++ 1.1458	1.1307 1.1084	1.3004 1.0240	1.1435	1.1246	Ave		1.1396				7.2		30.0			
Chloroethane	+++++ 0.4443	+++++ 0.4356	0.5216 0.4011	0.4474	0.4394	Ave		0.4482				8.8		30.0			
Isopentane	+++++ 0.7589	0.8058 0.7378	0.9590 0.6851	0.7836	0.8195	Ave		0.7928				11.0		30.0			
Bromoethene(Vinyl Bromide)	+++++ 1.0705	1.0044 1.0497	1.1424 1.0181	1.0422	1.0277	Ave		1.0507				4.4		30.0			
Trichlorofluoromethane	+++++ 4.3981	4.4035 4.2989	5.0228 4.1397	4.5132	4.3313	Ave		4.4439				6.3		30.0			
n-Pentane	+++++ 0.9756	+++++ 0.9677	1.0666 0.9255	0.9552	1.0432	Ave		0.9890				5.5		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Burlington Job No.: 200-27311-1 Analy Batch No.: 81448

SDG No.:

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

Calibration Start Date: 12/01/2014 18:06 Calibration End Date: 12/01/2014 23:37 Calibration ID: 28956

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	+++++ 0.2426	+++++ 0.2463	0.2688 0.2381	0.3947	0.2021	Ave		0.2654				25.0		30.0			
Ethyl ether	+++++ 0.4951	0.4158 0.4875	0.4975 0.4627	0.4828	0.5268	Ave		0.4812				7.2		30.0			
Acrolein	+++++ 0.1921	+++++ 0.1826	+++++ 0.1785	0.1785	0.2086	Ave		0.1881				6.8		30.0			
Freon TF	+++++ 2.2662	2.2470 2.2287	2.4342 2.1926	2.2556	2.2324	Ave		2.2653				3.5		30.0			
1,1-Dichloroethene	+++++ 0.9427	0.8885 0.9339	0.9917 0.9278	0.9158	0.9020	Ave		0.9289				3.6		30.0			
Acetone	+++++ 1.3701	+++++ 1.1563	+++++ 1.0780	1.5710	1.3472	Ave		1.3045				15.0		30.0			
Carbon disulfide	+++++ 2.4746	+++++ 2.1658	2.2813 2.1485	2.1108	2.4232	Ave		2.2674				6.7		30.0			
Isopropyl alcohol	+++++ 0.8439	+++++ 0.8357	+++++ 0.7697	0.8906	0.7521	Ave		0.8184				6.9		30.0			
3-Chloropropene	+++++ 0.7853	0.6345 0.7752	0.7734 0.7561	0.7627	0.7074	Ave		0.7421				7.2		30.0			
Acetonitrile	+++++ 0.3736	+++++ 0.3577	+++++ 0.3424	0.3939	0.3863	Ave		0.3708				5.7		30.0			
Methylene Chloride	+++++ 0.8507	+++++ 0.8361	1.0782 0.7986	0.8939	0.8617	Ave		0.8865				11.0		30.0			
tert-Butyl alcohol	+++++ 1.6795	+++++ 1.6735	+++++ 1.5981	1.6757	1.6093	Ave		1.6472				2.4		30.0			
Methyl tert-butyl ether	+++++ 3.1014	2.6672 3.0622	2.8950 3.0591	2.9601	3.0023	Ave		2.9639				5.0		30.0			
trans-1,2-Dichloroethene	+++++ 1.2933	1.2397 1.2686	1.3992 1.2607	1.2933	1.3314	Ave		1.2980				4.1		30.0			
Acrylonitrile	+++++ 0.4342	+++++ 0.4279	0.3682 0.4205	0.4133	0.4383	Ave		0.4171				6.1		30.0			
n-Hexane	+++++ 1.0270	1.1412 1.0096	0.9493 1.0012	0.9764	1.0761	Ave		1.0258				6.3		30.0			
1,1-Dichloroethane	1.5504 1.5360	1.3962 1.5067	1.5965 1.4893	1.4913	1.5020	Ave		1.5086				3.8		30.0			
Vinyl acetate	+++++ 1.7883	+++++ 1.7854	+++++ 1.7527	1.6459	1.6506	Ave		1.7246				4.1		30.0			
cis-1,2-Dichloroethene	+++++ 1.0083	0.9667 0.9990	0.9933 1.0077	0.9649	0.9553	Ave		0.9850				2.2		30.0			
Methyl Ethyl Ketone	+++++ 0.3928	+++++ 0.3720	0.5149 0.3697	0.3615	0.3711	Ave		0.3970				15.0		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

Lab Name: TestAmerica Burlington Job No.: 200-27311-1 Analy Batch No.: 81448

SDG No.:

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

Calibration Start Date: 12/01/2014 18:06 Calibration End Date: 12/01/2014 23:37 Calibration ID: 28956

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	+++++ 0.0723	+++++ 0.0724	+++++ 0.0714	0.0671	0.0722	Ave		0.0711				3.2		30.0			
Tetrahydrofuran	+++++ 0.1489	+++++ 0.1424	+++++ 0.1402	0.1496	0.1494	Ave		0.1461				3.1		30.0			
Chloroform	+++++ 2.5085	2.3943 2.4774	2.5519 2.4721	2.4207	2.4498	Ave		2.4678				2.1		30.0			
Cyclohexane	+++++ 0.2796	0.2490 0.2751	0.2770 0.2782	0.2677	0.2783	Ave		0.2721				4.0		30.0			
1,1,1-Trichloroethane	+++++ 0.8103	0.7607 0.7836	0.8273 0.7844	0.8127	0.8109	Ave		0.7986				2.9		30.0			
Carbon tetrachloride	0.8128 0.9741	0.8779 0.9455	0.9906 0.9423	0.9963	0.9959	Ave		0.9419				7.0		30.0			
2,2,4-Trimethylpentane	+++++ 0.7819	0.6714 0.7785	0.7268 0.8032	0.7325	0.7521	Ave		0.7495				5.9		30.0			
Benzene	+++++ 0.5798	0.5852 0.5747	0.6121 0.6006	0.5532	0.5670	Ave		0.5818				3.4		30.0			
1,2-Dichloroethane	+++++ 0.4522	0.4512 0.4363	0.5103 0.4248	0.4570	0.4614	Ave		0.4562				5.9		30.0			
n-Heptane	+++++ 0.2591	0.2605 0.2539	0.2555 0.2583	0.2473	0.2494	Ave		0.2548				2.0		30.0			
n-Butanol	+++++ 0.0722	+++++ 0.0757	+++++ 0.0749	0.0760	0.0687	Ave		0.0735				4.2		30.0			
Trichloroethene	0.3365 0.3477	0.2993 0.3418	0.3396 0.3510	0.3277	0.3433	Ave		0.3359				4.9		30.0			
1,2-Dichloropropane	+++++ 0.1768	0.1453 0.1762	0.1710 0.1801	0.1676	0.1697	Ave		0.1695				6.8		30.0			
Methyl methacrylate	+++++ 0.1987	+++++ 0.1976	0.1498 0.2037	0.1723	0.1899	Ave		0.1853				11.0		30.0			
1,4-Dioxane	+++++ 0.0908	+++++ 0.0922	+++++ 0.0866	0.0973	0.0860	Ave		0.0906				5.1		30.0			
Dibromomethane	+++++ 0.4505	0.3829 0.4517	0.4256 0.4702	0.4088	0.4318	Ave		0.4317				6.8		30.0			
Bromodichloromethane	+++++ 0.7178	0.5308 0.7074	0.6261 0.7243	0.6766	0.6952	Ave		0.6683				10.0		30.0			
cis-1,3-Dichloropropene	+++++ 0.3779	0.2759 0.3790	0.3178 0.3944	0.3415	0.3648	Ave		0.3502				12.0		30.0			
methyl isobutyl ketone	+++++ 0.4032	+++++ 0.3955	0.3404 0.3990	0.3786	0.3859	Ave		0.3838				6.0		30.0			
Toluene	+++++ 0.5822	0.5879 0.5658	0.5874 0.5784	0.5550	0.5607	Ave		0.5739				2.3		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

Lab Name: TestAmerica Burlington Job No.: 200-27311-1 Analy Batch No.: 81448

SDG No.:

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

Calibration Start Date: 12/01/2014 18:06 Calibration End Date: 12/01/2014 23:37 Calibration ID: 28956

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	+++++ 0.3762	0.3284 0.3725	0.3517 0.3838	0.3559	0.3605	Ave		0.3613				5.1		30.0			
trans-1,3-Dichloropropene	+++++ 0.4807	0.6429 0.4738	0.4602 0.4900	0.4377	0.4539	Ave		0.4913				14.0		30.0			
1,1,2-Trichloroethane	+++++ 0.2747	0.2715 0.2687	0.2913 0.2690	0.2650	0.2722	Ave		0.2732				3.1		30.0			
Tetrachloroethene	1.1457 0.8481	0.8638 0.8277	0.8451 0.8567	0.8099	0.8271	Ave		0.8780				12.0		30.0			
Methyl Butyl Ketone (2-Hexanone)	+++++ 0.4981	+++++ 0.4748	0.4784 0.4645	0.4801	0.4779	Ave		0.4790				2.3		30.0			
Dibromochloromethane	+++++ 1.0638	0.8111 1.0313	0.8835 1.0603	0.9973	0.9931	Ave		0.9772				9.7		30.0			
1,2-Dibromoethane	+++++ 0.6689	0.6296 0.6527	0.6429 0.6752	0.6346	0.6540	Ave		0.6511				2.6		30.0			
Chlorobenzene	+++++ 0.9329	0.9547 0.9132	0.9669 0.9687	0.8832	0.9038	Ave		0.9319				3.6		30.0			
Ethylbenzene	+++++ 1.5624	1.4586 1.5320	1.5670 1.6321	1.4697	1.4976	Ave		1.5314				4.0		30.0			
n-Nonane	+++++ 0.4870	0.4956 0.4760	0.4751 0.4939	0.4681	0.4644	Ave		0.4800				2.6		30.0			
m,p-Xylene	+++++ 0.6214	0.5960 0.6121	0.5866 0.6757	0.5791	0.5863	Ave		0.6082				5.5		30.0			
Xylene, o-	+++++ 0.5864	0.5526 0.5788	0.5382 0.6076	0.5614	0.5520	Ave		0.5681				4.2		30.0			
Styrene	+++++ 0.9030	0.5509 0.8948	0.6828 0.9714	0.8287	0.8507	Ave		0.8118				18.0		30.0			
Bromoform	+++++ 1.2792	0.8478 1.2559	0.9652 1.3530	1.1701	1.1787	Ave		1.1500				16.0		30.0			
Cumene	+++++ 2.0488	1.7683 2.0280	1.9103 2.1362	1.9056	1.9216	Ave		1.9598				6.2		30.0			
1,1,2,2-Tetrachloroethane	+++++ 0.7554	0.6786 0.7395	0.7009 0.7917	0.7193	0.7339	Ave		0.7313				5.0		30.0			
n-Propylbenzene	+++++ 2.3608	2.0242 2.3516	2.2033 2.2995	2.2203	2.2218	Ave		2.2402				5.1		30.0			
1,2,3-Trichloropropane	+++++ 0.7099	+++++ 0.6889	0.7569 0.7115	0.7135	0.6848	Ave		0.7109				3.6		30.0			
n-Decane	+++++ 0.7144	+++++ 0.7088	0.6252 0.7777	0.6593	0.6723	Ave		0.6930				7.6		30.0			
4-Ethyltoluene	+++++ 2.2626	1.7620 2.2730	1.9123 2.2450	2.0279	2.1223	Ave		2.0864				9.4		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

Lab Name: TestAmerica Burlington Job No.: 200-27311-1 Analy Batch No.: 81448

SDG No.:

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

Calibration Start Date: 12/01/2014 18:06 Calibration End Date: 12/01/2014 23:37 Calibration ID: 28956

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	+++++ 1.8564	1.5959 1.8406	1.7574 1.9747	1.7204	1.7366	Ave		1.7831				6.8		30.0			
1,3,5-Trimethylbenzene	+++++ 1.8379	1.5522 1.8271	1.6986 1.8288	1.7509	1.7329	Ave		1.7469				5.8		30.0			
Alpha Methyl Styrene	+++++ 0.7673	0.4790 0.8137	0.6184 0.8617	0.7524	0.7895	Ave		0.7260				18.0		30.0			
tert-Butylbenzene	+++++ 1.8384	1.6102 1.8171	1.7776 1.8193	1.7741	1.7327	Ave		1.7671				4.4		30.0			
1,2,4-Trimethylbenzene	+++++ 1.8550	1.4968 1.8404	1.6973 1.7998	1.7778	1.7369	Ave		1.7434				7.0		30.0			
sec-Butylbenzene	+++++ 2.4974	2.1592 2.4810	2.3130 2.2248	2.3921	2.3385	Ave		2.3437				5.3		30.0			
4-Isopropyltoluene	+++++ 2.4477	2.0493 2.4163	2.1803 2.1864	2.2915	2.2744	Ave		2.2637				6.2		30.0			
1,3-Dichlorobenzene	+++++ 1.4243	1.2270 1.4094	1.2826 1.4771	1.3270	1.3460	Ave		1.3562				6.4		30.0			
1,4-Dichlorobenzene	+++++ 1.4359	1.2001 1.4206	1.2976 1.4722	1.3383	1.3610	Ave		1.3608				6.8		30.0			
Benzyl chloride	+++++ 1.5471	1.1429 1.5004	1.3208 1.5283	1.4536	1.0844	Ave		1.3682				14.0		30.0			
n-Butylbenzene	+++++ 1.9894	1.6163 1.8762	1.8126 1.9480	1.9151	1.8992	Ave		1.8653				6.6		30.0			
n-Undecane	+++++ 0.7369	+++++ 0.7376	+++++ 0.8541	0.7678	0.7352	Ave		0.7663				6.6		30.0			
1,2-Dichlorobenzene	+++++ 1.3066	1.1655 1.2913	1.2191 1.3474	1.2464	1.2559	Ave		1.2617				4.8		30.0			
n-Dodecane	+++++ 0.7219	+++++ 0.6854	+++++ 0.7233	0.6386	0.7085	Ave		0.6955				5.1		30.0			
1,2,4-Trichlorobenzene	+++++ 1.3076	+++++ 1.2727	0.6887 1.4497	1.1347	1.1755	Ave		1.1715				22.0		30.0			
Hexachlorobutadiene	+++++ 1.5721	1.2857 1.5474	1.4804 1.5421	1.4614	1.4939	Ave		1.4833				6.5		30.0			
Naphthalene	+++++ 2.2336	+++++ 1.9794	0.5752 2.2824	1.6779	1.8063	Ave		1.7591				36.0	*	30.0			
1,2,3-Trichlorobenzene	+++++ 1.1786	0.6015 1.1360	0.5800 1.2686	0.9354	1.0427	Ave		0.9633				29.0		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

Lab Name: TestAmerica Burlington Job No.: 200-27311-1 Analy Batch No.: 81448

SDG No.:

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

Calibration Start Date: 12/01/2014 18:06 Calibration End Date: 12/01/2014 23:37 Calibration ID: 28956

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-81448/3	10870_03.D
Level 2	IC 200-81448/4	10870_04.D
Level 3	IC 200-81448/5	10870_05.D
Level 4	IC 200-81448/6	10870_06.D
Level 5	ICIS 200-81448/7	10870_07.D
Level 6	IC 200-81448/8	10870_08.D
Level 7	IC 200-81448/9	10870_09.D
Level 8	IC 200-81448/10	10870_10.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	+++++ 313616	+++++ 424764	10319 897965	83072	174499	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Dichlorodifluoromethane	BCM	Ave	+++++ 2702288	+++++ 3552687	76715 8246826	687675	1575617	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Freon 22	BCM	Ave	+++++ 1018778	+++++ 1389603	30069 2997325	267468	596435	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,2-Dichlorotetrafluoroethane	BCM	Ave	+++++ 2041248	20756 2812970	55274 6340426	522416	1317846	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chloromethane	BCM	Ave	+++++ 396652	+++++ 540914	12347 1157365	101802	223639	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Butane	BCM	Ave	+++++ 665011	+++++ 906160	20830 1985069	174197	400851	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Vinyl chloride	BCM	Ave	1601 534291	5799 742444	15278 1616236	143539	325816	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Butadiene	BCM	Ave	+++++ 369943	4088 507921	9736 1112325	97899	218504	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromomethane	BCM	Ave	+++++ 716034	7674 982854	21164 2055169	186087	417721	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chloroethane	BCM	Ave	+++++ 277654	+++++ 386299	8488 805099	72803	163214	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Isopentane	BCM	Ave	+++++ 474211	5469 654239	15607 1375134	127510	304385	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromoethene(Vinyl Bromide)	BCM	Ave	+++++ 668940	6817 930821	18592 2043327	169598	381713	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Trichlorofluoromethane	BCM	Ave	+++++ 2748387	29886 3812108	81744 8308803	734432	1608807	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Pentane	BCM	Ave	+++++ 609632	+++++ 858128	17359 1857519	155446	387472	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Ethanol	BCM	Ave	+++++ 202550	+++++ 436956	43795 1194691	128544	112672	+++++ 20.0	+++++ 40.0	5.01 100.0	9.99	15.0

Lab Name: TestAmerica Burlington Job No.: 200-27311-1 Analy Batch No.: 81448

SDG No.:

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

Calibration Start Date: 12/01/2014 18:06 Calibration End Date: 12/01/2014 23:37 Calibration ID: 28956

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	+++++ 309385	2822 432252	8097 928612	78559	195685	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acrolein	BCM	Ave	+++++ 120045	+++++ 161904	+++++ 358295	29049	77492	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Freon TF	BCM	Ave	+++++ 1416162	15250 1976336	39616 4400768	367055	829218	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1-Dichloroethene	BCM	Ave	+++++ 589076	6030 828133	16139 1862236	149028	335057	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acetone	BCM	Ave	+++++ 856168	+++++ 1025392	+++++ 2163577	255652	500404	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Carbon disulfide	BCM	Ave	+++++ 1546386	+++++ 1920539	37127 4312181	343494	900057	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Isopropyl alcohol	BCM	Ave	+++++ 527374	+++++ 741103	+++++ 1544919	144927	279375	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
3-Chloropropene	BCM	Ave	+++++ 490727	4306 687380	12586 1517563	124116	262750	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acetonitrile	BCM	Ave	+++++ 233484	+++++ 317229	+++++ 687235	64100	143469	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Methylene Chloride	BCM	Ave	+++++ 531590	+++++ 741389	17547 1602967	145459	320081	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
tert-Butyl alcohol	BCM	Ave	+++++ 1049529	+++++ 1483978	+++++ 3207524	272690	597741	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Methyl tert-butyl ether	BCM	Ave	+++++ 1938068	18102 2715415	47115 6139986	481701	1115168	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
trans-1,2-Dichloroethene	BCM	Ave	+++++ 808208	8414 1124935	22771 2530331	210450	494532	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acrylonitrile	BCM	Ave	+++++ 271315	+++++ 379406	5992 843992	67260	162813	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Hexane	BCM	Ave	+++++ 641755	7745 895239	15450 2009594	158896	399693	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1-Dichloroethane	BCM	Ave	2442 959841	9476 1336095	25983 2989094	242678	557900	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Vinyl acetate	BCM	Ave	+++++ 1117489	+++++ 1583181	+++++ 3517813	267835	613089	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
cis-1,2-Dichloroethene	BCM	Ave	+++++ 630092	6561 885831	16165 2022507	157025	354822	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl Ethyl Ketone	BCM	Ave	+++++ 245489	+++++ 329900	8380 741985	58823	137842	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Ethyl acetate	BCM	Ave	+++++ 45174	+++++ 64163	+++++ 143290	10915	26809	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Tetrahydrofuran	DFB	Ave	+++++ 408393	+++++ 559489	+++++ 1246007	101881	236674	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00

Lab Name: TestAmerica Burlington Job No.: 200-27311-1 Analy Batch No.: 81448

SDG No.:

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

Calibration Start Date: 12/01/2014 18:06 Calibration End Date: 12/01/2014 23:37 Calibration ID: 28956

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	+++++ 1567554	16250 2196846	41531 4961707	393915	909936	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Cyclohexane	DFB	Ave	+++++ 767094	7206 1081172	18832 2472093	182256	440781	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,1-Trichloroethane	DFB	Ave	+++++ 2222775	22014 3079671	56246 6969777	553306	1284460	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Carbon tetrachloride	DFB	Ave	5621 2672292	25404 3715731	67351 8372879	678322	1577575	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2,2,4-Trimethylpentane	DFB	Ave	+++++ 2144914	19429 3059583	49413 7136988	498725	1191410	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Benzene	DFB	Ave	+++++ 1590413	16934 2258686	41617 5336141	376625	898138	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloroethane	DFB	Ave	+++++ 1240495	13057 1714825	34697 3774221	311170	730853	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Heptane	DFB	Ave	+++++ 710692	7537 997748	17370 2295018	168398	394982	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Butanol	DFB	Ave	+++++ 198080	+++++ 297511	+++++ 665633	51733	108743	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Trichloroethene	DFB	Ave	2327 953740	8662 1343459	23092 3118702	223074	543809	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloropropane	DFB	Ave	+++++ 484937	4204 692495	11629 1600073	114088	268868	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl methacrylate	DFB	Ave	+++++ 544972	+++++ 776721	10185 1809687	117285	300728	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,4-Dioxane	DFB	Ave	+++++ 249156	+++++ 362230	+++++ 769863	66275	136279	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Dibromomethane	DFB	Ave	+++++ 1235924	11080 1775194	28939 4177458	278343	683988	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromodichloromethane	DFB	Ave	+++++ 1969227	15361 2779951	42568 6435467	460639	1101235	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
cis-1,3-Dichloropropene	DFB	Ave	+++++ 1036659	7983 1489412	21604 3504767	232499	577841	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
methyl isobutyl ketone	DFB	Ave	+++++ 1106215	+++++ 1554371	23144 3545435	257750	611295	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Toluene	CBZ	Ave	+++++ 1321600	12152 1893979	30220 4550661	301212	736988	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Octane	DFB	Ave	+++++ 1031988	9502 1463862	23910 3410053	242284	571005	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
trans-1,3-Dichloropropene	DFB	Ave	+++++ 1318581	18605 1862153	31286 4353917	298008	719052	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2-Trichloroethane	CBZ	Ave	+++++ 623556	5612 899471	14986 2116598	143795	357828	+++++ 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.: 200-27311-1 Analy Batch No.: 81448

SDG No.:

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

Calibration Start Date: 12/01/2014 18:06 Calibration End Date: 12/01/2014 23:37 Calibration ID: 28956

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	5617 1925373	17856 2770693	43476 6740259	439530	1087244	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl Butyl Ketone (2-Hexanone)	CBZ	Ave	+++++ 1130852	+++++ 1589571	24611 3654704	260574	628247	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Dibromochloromethane	CBZ	Ave	+++++ 2415034	16768 3452346	45449 8342023	541264	1305347	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dibromoethane	CBZ	Ave	+++++ 1518544	13015 2185099	33072 5312419	344421	859639	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chlorobenzene	CBZ	Ave	+++++ 2117838	19736 3056980	49741 7621175	479297	1188045	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Ethylbenzene	CBZ	Ave	+++++ 3546833	30152 5128718	80612 12840586	797632	1968543	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Nonane	CBZ	Ave	+++++ 1105506	10246 1593444	24439 3885397	254053	610421	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
m,p-Xylene	CBZ	Ave	+++++ 2821533	24643 4098247	60353 10632396	628533	1541309	+++++ 30.0	0.401 40.0	1.00 80.0	9.99	20.0
Xylene, o-	CBZ	Ave	+++++ 1331210	11423 1937768	27689 4780605	304656	725546	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Styrene	CBZ	Ave	+++++ 2049902	11388 2995430	35123 7642479	449762	1118246	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromoform	CBZ	Ave	+++++ 2903954	17526 4204416	49654 10644477	635011	1549312	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Cumene	CBZ	Ave	+++++ 4651141	36555 6788885	98272 16806149	1034199	2525945	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2,2-Tetrachloroethane	CBZ	Ave	+++++ 1714904	14028 2475666	36057 6228627	390349	964672	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Propylbenzene	CBZ	Ave	+++++ 5359264	41845 7872400	113343 18090913	1204998	2920504	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2,3-Trichloropropane	CBZ	Ave	+++++ 1611658	+++++ 2306103	38938 5597437	387237	900194	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Decane	CBZ	Ave	+++++ 1621828	+++++ 2372980	32162 6118310	357807	883774	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
4-Ethyltoluene	CBZ	Ave	+++++ 5136372	36424 7609264	98374 17662176	1100545	2789698	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2-Chlorotoluene	CBZ	Ave	+++++ 4214165	32991 6161806	90407 15535774	933673	2282691	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3,5-Trimethylbenzene	CBZ	Ave	+++++ 4172176	32086 6116568	87381 14387754	950251	2277845	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Alpha Methyl Styrene	CBZ	Ave	+++++ 1741789	9901 2723998	31813 6779515	408344	1037834	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
tert-Butylbenzene	CBZ	Ave	+++++ 4173442	33286 6083098	91446 14313391	962819	2277620	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

Lab Name: TestAmerica Burlington Job No.: 200-27311-1 Analy Batch No.: 81448

SDG No.:

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

Calibration Start Date: 12/01/2014 18:06 Calibration End Date: 12/01/2014 23:37 Calibration ID: 28956

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	+++++ 4211172	30941 6160903	87316 14159714	964826	2283109	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
sec-Butylbenzene	CBZ	Ave	+++++ 5669511	44635 8305518	118986 17503372	1298199	3073861	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
4-Isopropyltoluene	CBZ	Ave	+++++ 5556678	42364 8089108	112163 17201117	1243624	2989581	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Dichlorobenzene	CBZ	Ave	+++++ 3233402	25365 4718118	65980 11621178	720196	1769220	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,4-Dichlorobenzene	CBZ	Ave	+++++ 3259580	24808 4755705	66750 11582592	726312	1789009	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Benzyl chloride	CBZ	Ave	+++++ 3512122	23625 5022859	67945 12024099	788905	1425422	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Butylbenzene	CBZ	Ave	+++++ 4516123	33413 6280722	93245 15325792	1039358	2496429	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Undecane	CBZ	Ave	+++++ 1672944	+++++ 2469185	+++++ 6719631	416715	966419	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
1,2-Dichlorobenzene	CBZ	Ave	+++++ 2966210	24093 4322984	62713 10600533	676429	1650870	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Dodecane	CBZ	Ave	+++++ 1638710	+++++ 2294578	+++++ 5690428	346557	931295	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
1,2,4-Trichlorobenzene	CBZ	Ave	+++++ 2968422	+++++ 4260421	35428 11405650	615799	1545207	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Hexachlorobutadiene	CBZ	Ave	+++++ 3568820	26578 5180232	76155 12132145	793140	1963686	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Naphthalene	CBZ	Ave	+++++ 5070472	+++++ 6626343	29591 17956771	910624	2374301	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,2,3-Trichlorobenzene	CBZ	Ave	+++++ 2675506	12435 3802921	29838 9980826	507628	1370624	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

Curve Type Legend:
Ave = Average ISTD

Lab Name: TestAmerica Burlington Job No.: 200-27312-1 Analy Batch No.: 85787

SDG No.:

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

Calibration Start Date: 03/19/2015 18:34 Calibration End Date: 03/20/2015 00:18 Calibration ID: 30154

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-85787/4	12677-004.D
Level 2	IC 200-85787/5	12677-005.D
Level 3	IC 200-85787/6	12677-006.D
Level 4	IC 200-85787/7	12677-007.D
Level 5	ICIS 200-85787/8	12677-008.D
Level 6	IC 200-85787/9	12677-009.D
Level 7	IC 200-85787/10	12677-010.D
Level 8	IC 200-85787/11	12677-011.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	+++++ 0.4213	+++++ 0.4118	0.5612 0.3973	0.4465	0.4280	Ave		0.4444				13.4		30.0			
Dichlorodifluoromethane	+++++ 2.0840	+++++ 2.0430	2.1886 1.9756	2.1239	2.1107	Ave		2.0876				3.5		30.0			
Freon 22	+++++ 1.0029	+++++ 0.9900	1.0685 0.9623	1.0307	1.0197	Ave		1.0124				3.6		30.0			
1,2-Dichlorotetrafluoroethane	+++++ 2.0493	2.0253 2.0066	2.1019 1.9292	2.0870	2.0780	Ave		2.0396				2.9		30.0			
Chloromethane	+++++ 0.5493	+++++ 0.5394	0.5942 0.5316	0.5579	0.5539	Ave		0.5544				3.9		30.0			
n-Butane	+++++ 0.8363	+++++ 0.8346	0.9170 0.8179	0.8501	0.8491	Ave		0.8508				4.1		30.0			
Vinyl chloride	0.6710 0.6413	0.6204 0.6678	0.6906 0.6646	0.6577	0.6790	Ave		0.6616				3.3		30.0			
1,3-Butadiene	+++++ 0.4198	0.4364 0.4314	0.4704 0.4369	0.4358	0.4497	Ave		0.4400				3.6		30.0			
Bromomethane	+++++ 0.5837	0.5999 0.5761	0.6415 0.5430	0.5980	0.6046	Ave		0.5924				5.1		30.0			
Chloroethane	+++++ 0.2608	+++++ 0.2720	0.2883 0.2453	0.2693	0.2812	Ave		0.2695				5.6		30.0			
Isopentane	+++++ 0.4567	0.6331 0.4719	0.5619 0.4384	0.4826	0.4929	Ave		0.5053				13.6		30.0			
Bromoethene(Vinyl Bromide)	+++++ 0.9126	0.8594 0.8508	0.9048 0.8641	0.9147	0.8637	Ave		0.8814				3.2		30.0			
Trichlorofluoromethane	+++++ 2.2756	2.2125 2.2267	2.3610 2.1736	2.2996	2.2234	Ave		2.2532				2.8		30.0			
n-Pentane	+++++ 1.0179	+++++ 0.9920	1.1314 0.9609	1.0397	1.0065	Ave		1.0248				5.7		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

Lab Name: TestAmerica Burlington Job No.: 200-27312-1 Analy Batch No.: 85787

SDG No.:

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

Calibration Start Date: 03/19/2015 18:34 Calibration End Date: 03/20/2015 00:18 Calibration ID: 30154

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	+++++ 0.2870	+++++ 0.2777	0.2882 0.2695	0.2873	0.2880	Ave		0.2829				2.7		30.0			
Ethyl ether	+++++ 0.4879	0.4972 0.4767	0.4934 0.4631	0.4876	0.4896	Ave		0.4851				2.4		30.0			
Acrolein	+++++ 0.2325	+++++ 0.2168	+++++ 0.2065	0.2292	0.2325	Ave		0.2235				5.1		30.0			
Freon TF	+++++ 1.7456	1.7015 1.7002	1.8180 1.6335	1.7602	1.7547	Ave		1.7305				3.4		30.0			
1,1-Dichloroethene	+++++ 0.8219	0.8103 0.8037	0.8422 0.7817	0.8234	0.8206	Ave		0.8148				2.3		30.0			
Acetone	+++++ 0.9646	+++++ 0.8527	+++++ 0.8286	1.0247	0.9152	Ave		0.9172				8.8		30.0			
Carbon disulfide	+++++ 2.0818	+++++ 2.0289	2.1378 1.9871	2.0958	2.0880	Ave		2.0699				2.6		30.0			
Isopropyl alcohol	+++++ 0.8420	+++++ 0.8003	+++++ 0.7648	0.8897	1.0072	Ave		0.8608				10.9		30.0			
3-Chloropropene	+++++ 0.6723	0.8338 0.7318	0.7950 0.6892	0.7502	0.6773	Ave		0.7357				8.4		30.0			
Acetonitrile	+++++ 0.4069	+++++ 0.3881	+++++ 0.3773	0.4240	0.4322	Ave		0.4057				5.7		30.0			
Methylene Chloride	+++++ 0.7134	+++++ 0.6937	0.9983 0.6749	0.7431	0.7219	Ave		0.7576				15.9		30.0			
tert-Butyl alcohol	+++++ 1.3842	+++++ 1.3262	+++++ 1.2860	1.4383	1.5861	Ave		1.4042				8.3		30.0			
Methyl tert-butyl ether	+++++ 2.3366	2.2150 2.2854	2.3766 2.2380	2.3522	2.3430	Ave		2.3067				2.7		30.0			
trans-1,2-Dichloroethene	+++++ 1.0774	1.0451 1.0489	1.1129 1.0197	1.0885	1.0848	Ave		1.0682				3.0		30.0			
Acrylonitrile	+++++ 0.4894	+++++ 0.4752	0.5207 0.4689	0.4895	0.4939	Ave		0.4896				3.7		30.0			
n-Hexane	+++++ 1.0735	1.3713 1.0495	1.1531 1.0188	1.0922	1.0876	Ave		1.1209				10.5		30.0			
1,1-Dichloroethane	1.4308 1.4247	1.3436 1.3911	1.4716 1.3656	1.4306	1.4192	Ave		1.4096				2.9		30.0			
Vinyl acetate	+++++ 1.7127	+++++ 1.6630	+++++ 1.6254	1.7185	1.7225	Ave		1.6884				2.5		30.0			
cis-1,2-Dichloroethene	+++++ 1.0344	0.9943 1.0143	1.0736 0.9997	1.0346	1.0360	Ave		1.0267				2.6		30.0			
Methyl Ethyl Ketone	+++++ 0.4525	+++++ 0.4342	0.7100 0.4279	0.4577	0.4611	Ave		0.4906				22.1		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

Lab Name: TestAmerica Burlington Job No.: 200-27312-1 Analy Batch No.: 85787

SDG No.:

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

Calibration Start Date: 03/19/2015 18:34 Calibration End Date: 03/20/2015 00:18 Calibration ID: 30154

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	+++++ 0.0786	+++++ 0.0752	+++++ 0.0746	0.0769	0.0787	Ave		0.0768				2.5		30.0			
Tetrahydrofuran	+++++ 0.1443	+++++ 0.1385	+++++ 0.1363	0.1439	0.1460	Ave		0.1418				2.9		30.0			
Chloroform	+++++ 1.9469	1.8968 1.9169	2.0187 1.8885	1.9545	1.9472	Ave		1.9385				2.3		30.0			
Cyclohexane	+++++ 0.2561	0.2504 0.2531	0.2609 0.2498	0.2569	0.2554	Ave		0.2547				1.5		30.0			
1,1,1-Trichloroethane	+++++ 0.3907	0.3614 0.3856	0.3938 0.3835	0.3891	0.3856	Ave		0.3842				2.8		30.0			
Carbon tetrachloride	0.4335 0.4130	0.3867 0.4304	0.4153 0.4321	0.4233	0.4317	Ave		0.4208				3.8		30.0			
2,2,4-Trimethylpentane	+++++ 0.8491	0.8340 0.8350	0.8718 0.8178	0.8625	0.8487	Ave		0.8455				2.2		30.0			
Benzene	+++++ 0.5884	0.5736 0.5785	0.6074 0.5699	0.5932	0.5862	Ave		0.5853				2.2		30.0			
1,2-Dichloroethane	+++++ 0.2232	0.2132 0.2196	0.2203 0.2190	0.2220	0.2223	Ave		0.2200				1.5		30.0			
n-Heptane	+++++ 0.2739	0.3172 0.2663	0.2863 0.2605	0.2785	0.2733	Ave		0.2794				6.7		30.0			
n-Butanol	+++++ 0.0995	+++++ 0.0948	+++++ 0.0974	0.1009	0.1159	Ave		0.1017				8.1		30.0			
Trichloroethene	0.3033 0.2826	0.2554 0.2774	0.2819 0.2771	0.2762	0.2785	Ave		0.2791				4.7		30.0			
1,2-Dichloropropane	+++++ 0.2111	0.2079 0.2084	0.2101 0.2089	0.2084	0.2100	Ave		0.2093				0.6		30.0			
Methyl methacrylate	+++++ 0.2168	+++++ 0.2131	0.2176 0.2144	0.2126	0.2137	Ave		0.2147				1.0		30.0			
1,4-Dioxane	+++++ 0.1055	+++++ 0.0937	+++++ 0.0903	0.1049	0.1222	Ave		0.1033				12.1		30.0			
Dibromomethane	+++++ 0.3251	0.3155 0.3228	0.3207 0.3266	0.3159	0.3208	Ave		0.3211				1.3		30.0			
Bromodichloromethane	+++++ 0.4385	0.3859 0.4340	0.4225 0.4369	0.4310	0.4346	Ave		0.4262				4.3		30.0			
cis-1,3-Dichloropropene	+++++ 0.3464	0.3005 0.3403	0.3309 0.3451	0.3369	0.3419	Ave		0.3346				4.8		30.0			
methyl isobutyl ketone	+++++ 0.3746	+++++ 0.3591	0.4490 0.3568	0.3711	0.3731	Ave		0.3806				9.0		30.0			
Toluene	+++++ 0.5087	0.5008 0.5067	0.5016 0.5051	0.5075	0.5066	Ave		0.5053				0.6		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Burlington Job No.: 200-27312-1 Analy Batch No.: 85787

SDG No.:

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

Calibration Start Date: 03/19/2015 18:34 Calibration End Date: 03/20/2015 00:18 Calibration ID: 30154

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	+++++ 0.3964	0.4421 0.3868	0.4257 0.3744	0.4046	0.4002	Ave		0.4043				5.7		30.0			
trans-1,3-Dichloropropene	+++++ 0.3544	0.3260 0.3482	0.4271 0.3576	0.3550	0.3508	Ave		0.3599				8.8		30.0			
1,1,2-Trichloroethane	+++++ 0.2350	0.2165 0.2355	0.2334 0.2358	0.2344	0.2365	Ave		0.2325				3.1		30.0			
Tetrachloroethene	0.5178 0.5145	0.4791 0.5164	0.4956 0.5204	0.5070	0.5128	Ave		0.5079				2.8		30.0			
Methyl Butyl Ketone (2-Hexanone)	+++++ 0.3833	+++++ 0.3742	0.5463 0.3737	0.3831	0.3924	Ave		0.4089				16.6		30.0			
Dibromochloromethane	+++++ 0.5590	0.4699 0.5711	0.5096 0.5761	0.5527	0.5582	Ave		0.5424				7.1		30.0			
1,2-Dibromoethane	+++++ 0.4761	0.4272 0.4724	0.4597 0.4791	0.4711	0.4752	Ave		0.4658				3.9		30.0			
Chlorobenzene	+++++ 0.7349	0.6811 0.7309	0.7444 0.7364	0.7297	0.7362	Ave		0.7276				2.9		30.0			
Ethylbenzene	+++++ 1.1288	1.0790 1.1255	1.1110 1.1312	1.1258	1.1297	Ave		1.1187				1.7		30.0			
n-Nonane	+++++ 0.4582	0.4842 0.4562	0.4539 0.4522	0.4615	0.4633	Ave		0.4613				2.3		30.0			
m,p-Xylene	+++++ 0.4716	0.4332 0.4680	0.4628 0.4611	0.4702	0.4707	Ave		0.4625				2.9		30.0			
Xylene, o-	+++++ 0.4653	0.4227 0.4678	0.4543 0.4636	0.4600	0.4686	Ave		0.4575				3.5		30.0			
Styrene	+++++ 0.7502	0.6051 0.7403	0.7048 0.7472	0.7187	0.7515	Ave		0.7168				7.3		30.0			
Bromoform	+++++ 0.6087	0.4468 0.6284	0.5444 0.6255	0.6069	0.6070	Ave		0.5811				11.3		30.0			
Cumene	+++++ 1.3813	1.2630 1.3725	1.3373 1.3701	1.3678	1.3747	Ave		1.3524				3.1		30.0			
1,1,2,2-Tetrachloroethane	+++++ 0.6256	0.5742 0.6197	0.6298 0.6209	0.6211	0.6263	Ave		0.6168				3.1		30.0			
n-Propylbenzene	+++++ 1.5901	1.4365 1.5750	1.5605 1.5725	1.5582	1.5931	Ave		1.5551				3.5		30.0			
1,2,3-Trichloropropane	+++++ 0.4877	+++++ 0.4838	0.5028 0.4842	0.4842	0.4928	Ave		0.4892				1.5		30.0			
n-Decane	+++++ 0.6051	+++++ 0.5961	0.5855 0.5926	0.5941	0.6126	Ave		0.5977				1.6		30.0			
4-Ethyltoluene	+++++ 1.3940	1.2304 1.3740	1.3500 1.3461	1.3706	1.4004	Ave		1.3522				4.2		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Burlington Job No.: 200-27312-1 Analy Batch No.: 85787

SDG No.:

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

Calibration Start Date: 03/19/2015 18:34 Calibration End Date: 03/20/2015 00:18 Calibration ID: 30154

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	+++++ 1.1007	1.0071 1.0884	1.0886 1.0752	1.0810	1.1019	Ave		1.0776				3.0		30.0			
1,3,5-Trimethylbenzene	+++++ 1.1801	1.0251 1.1649	1.1294 1.1733	1.1510	1.1809	Ave		1.1435				4.8		30.0			
Alpha Methyl Styrene	+++++ 0.6273	0.4924 0.6124	0.5609 0.6243	0.5892	0.6243	Ave		0.5901				8.4		30.0			
tert-Butylbenzene	+++++ 1.1611	1.0460 1.1517	1.1229 1.1365	1.1440	1.1622	Ave		1.1321				3.6		30.0			
1,2,4-Trimethylbenzene	+++++ 1.1868	1.0248 1.1636	1.1397 1.1717	1.1515	1.1922	Ave		1.1472				5.0		30.0			
sec-Butylbenzene	+++++ 1.6921	1.5159 1.6690	1.6168 1.6426	1.6712	1.6965	Ave		1.6434				3.8		30.0			
4-Isopropyltoluene	+++++ 1.5045	1.3032 1.4839	1.4314 1.4594	1.4652	1.5138	Ave		1.4516				4.9		30.0			
1,3-Dichlorobenzene	+++++ 0.8996	0.7284 0.8594	0.8756 0.8920	0.8399	0.8973	Ave		0.8560				7.0		30.0			
1,4-Dichlorobenzene	+++++ 0.9077	0.7184 0.8567	0.8898 0.9008	0.8284	0.9028	Ave		0.8578				7.9		30.0			
Benzyl chloride	+++++ 1.0258	0.7941 0.9937	0.9243 1.0796	0.9490	0.9903	Ave		0.9652				9.4		30.0			
n-Undecane	+++++ 0.6568	+++++ 0.6079	+++++ 0.5917	0.6132	0.6733	Ave		0.6286				5.5		30.0			
n-Butylbenzene	+++++ 1.2545	1.0798 1.2026	1.2172 1.1328	1.2056	1.2745	Ave		1.1953				5.7		30.0			
1,2-Dichlorobenzene	+++++ 0.8500	0.6911 0.8208	0.8312 0.8473	0.7992	0.8472	Ave		0.8124				7.0		30.0			
n-Dodecane	+++++ 0.5971	+++++ 0.4426	+++++ 0.5501	0.4099	0.6021	Ave		0.5203				17.1		30.0			
1,2,4-Trichlorobenzene	+++++ 0.7896	+++++ 0.6080	0.7103 0.8126	0.5673	0.7803	Ave		0.7114				14.4		30.0			
Hexachlorobutadiene	+++++ 0.7767	0.6499 0.7256	0.7046 0.7756	0.7044	0.7664	Ave		0.7290				6.5		30.0			
Naphthalene	+++++ 1.5484	+++++ 1.0192	1.4816 1.6229	0.9436	1.5197	Ave		1.3559				21.7		30.0			
1,2,3-Trichlorobenzene	+++++ 0.7178	0.2415 0.5357	0.6258 0.7276	0.5143	0.7031	Ave		0.5808				29.7		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

Lab Name: TestAmerica Burlington Job No.: 200-27312-1 Analy Batch No.: 85787

SDG No.:

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

Calibration Start Date: 03/19/2015 18:34 Calibration End Date: 03/20/2015 00:18 Calibration ID: 30154

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-85787/4	12677-004.D
Level 2	IC 200-85787/5	12677-005.D
Level 3	IC 200-85787/6	12677-006.D
Level 4	IC 200-85787/7	12677-007.D
Level 5	ICIS 200-85787/8	12677-008.D
Level 6	IC 200-85787/9	12677-009.D
Level 7	IC 200-85787/10	12677-010.D
Level 8	IC 200-85787/11	12677-011.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	+++++ 186724	+++++ 244359	8076 480159	64413	124174	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Dichlorodifluoromethane	BCM	Ave	+++++ 923597	+++++ 1212252	31493 2387594	306424	612313	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Freon 22	BCM	Ave	+++++ 444459	+++++ 587433	15375 1163054	148709	295815	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,2-Dichlorotetrafluoroethane	BCM	Ave	+++++ 908233	11533 1190635	30245 2331531	301094	602829	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chloromethane	BCM	Ave	+++++ 243444	+++++ 320057	8550 642466	80491	160675	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Butane	BCM	Ave	+++++ 370659	+++++ 495230	13195 988434	122644	246331	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Vinyl chloride	BCM	Ave	764 284238	3533 396247	9937 803222	94889	196966	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Butadiene	BCM	Ave	+++++ 186040	2485 255960	6769 527966	62874	130454	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromomethane	BCM	Ave	+++++ 258702	3416 341830	9231 656190	86278	175391	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chloroethane	BCM	Ave	+++++ 115601	+++++ 161375	4148 296513	38847	81588	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Isopentane	BCM	Ave	+++++ 202408	3605 280031	8085 529849	69619	142988	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromoethene(Vinyl Bromide)	BCM	Ave	+++++ 404450	4894 504864	13019 1044263	131972	250562	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Trichlorofluoromethane	BCM	Ave	+++++ 1008496	12599 1321263	33973 2626974	331765	645028	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Pentane	BCM	Ave	+++++ 451118	+++++ 588639	16280 1161359	150007	291996	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Ethanol	BCM	Ave	+++++ 169937	+++++ 329609	41518 814172	82962	125383	+++++ 20.0	+++++ 40.0	5.01 100.0	9.99	15.0

Lab Name: TestAmerica Burlington Job No.: 200-27312-1 Analy Batch No.: 85787

SDG No.:

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

Calibration Start Date: 03/19/2015 18:34 Calibration End Date: 03/20/2015 00:18 Calibration ID: 30154

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	+++++ 216247	2831 282858	7099 559702	70347	142035	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acrolein	BCM	Ave	+++++ 103040	+++++ 128615	+++++ 249624	33061	67448	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Freon TF	BCM	Ave	+++++ 773615	9689 1008824	26160 1974161	253943	509040	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1-Dichloroethene	BCM	Ave	+++++ 364270	4614 476907	12119 944778	118793	238059	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acetone	BCM	Ave	+++++ 427501	+++++ 505988	+++++ 1001431	147834	265505	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Carbon disulfide	BCM	Ave	+++++ 922621	+++++ 1203879	30762 2401517	302373	605729	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Isopropyl alcohol	BCM	Ave	+++++ 373168	+++++ 474878	+++++ 924277	128353	292201	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
3-Chloropropene	BCM	Ave	+++++ 297973	4748 434256	11439 832956	108238	196482	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acetonitrile	BCM	Ave	+++++ 180321	+++++ 230292	+++++ 456037	61179	125370	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Methylene Chloride	BCM	Ave	+++++ 316179	+++++ 411633	14365 815696	107212	209413	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
tert-Butyl alcohol	BCM	Ave	+++++ 613468	+++++ 786925	+++++ 1554229	207512	460133	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Methyl tert-butyl ether	BCM	Ave	+++++ 1035559	12613 1356109	34198 2704747	339352	679726	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
trans-1,2-Dichloroethene	BCM	Ave	+++++ 477505	5951 622397	16014 1232386	157037	314701	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acrylonitrile	BCM	Ave	+++++ 216890	+++++ 281964	7493 566645	70620	143269	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Hexane	BCM	Ave	+++++ 475775	7809 622772	16592 1231288	157574	315507	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1-Dichloroethane	BCM	Ave	1629 631393	7651 825430	21176 1650448	206393	411711	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Vinyl acetate	BCM	Ave	+++++ 759041	+++++ 986788	+++++ 1964381	247928	499705	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
cis-1,2-Dichloroethene	BCM	Ave	+++++ 458443	5662 601879	15449 1208227	149262	300533	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl Ethyl Ketone	BCM	Ave	+++++ 200531	+++++ 257630	10217 517171	66035	133778	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Ethyl acetate	BCM	Ave	+++++ 34825	+++++ 44621	+++++ 90128	11099	22839	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Tetrahydrofuran	DFB	Ave	+++++ 345691	+++++ 442199	+++++ 881534	112389	230031	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00

Lab Name: TestAmerica Burlington Job No.: 200-27312-1 Analy Batch No.: 85787

SDG No.:

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

Calibration Start Date: 03/19/2015 18:34 Calibration End Date: 03/20/2015 00:18 Calibration ID: 30154

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	+++++ 862822	10801 1137434	29048 2282411	281981	564888	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Cyclohexane	DFB	Ave	+++++ 613437	7815 808115	20540 1615592	200720	402380	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,1-Trichloroethane	DFB	Ave	+++++ 935942	11280 1231314	31004 2480154	303973	607423	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Carbon tetrachloride	DFB	Ave	2698 989379	12069 1374534	32689 2794651	330724	680125	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2,2,4-Trimethylpentane	DFB	Ave	+++++ 2034127	26029 2666347	68626 5288728	673818	1337033	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Benzene	DFB	Ave	+++++ 1409701	17902 1847441	47813 3685935	463438	923455	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloroethane	DFB	Ave	+++++ 534668	6653 701279	17346 1416384	173448	350224	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Heptane	DFB	Ave	+++++ 656217	9901 850334	22534 1684854	217546	430615	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Butanol	DFB	Ave	+++++ 238324	+++++ 302848	+++++ 630200	78818	182641	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Trichloroethene	DFB	Ave	1888 676921	7971 885978	22194 1792221	215767	438771	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloropropane	DFB	Ave	+++++ 505747	6487 665446	16542 1351009	162834	330802	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl methacrylate	DFB	Ave	+++++ 519433	+++++ 680611	17131 1386801	166112	336602	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,4-Dioxane	DFB	Ave	+++++ 252772	+++++ 299144	+++++ 583960	81968	192476	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Dibromomethane	DFB	Ave	+++++ 778789	9846 1030670	25248 2112250	246818	505441	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromodichloromethane	DFB	Ave	+++++ 1050573	12045 1385983	33260 2825786	336704	684614	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
cis-1,3-Dichloropropene	DFB	Ave	+++++ 829869	9378 1086794	26049 2231496	263196	538565	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
methyl isobutyl ketone	DFB	Ave	+++++ 897510	+++++ 1146722	35343 2307226	289883	587778	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Toluene	CBZ	Ave	+++++ 1146575	14309 1501373	36667 3047586	367644	742044	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Octane	DFB	Ave	+++++ 949660	13797 1235286	33515 2421040	316120	630416	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
trans-1,3-Dichloropropene	DFB	Ave	+++++ 849098	10173 1111959	33624 2312607	277373	552669	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2-Trichloroethane	CBZ	Ave	+++++ 529749	6186 697828	17064 1422778	169837	346455	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

Lab Name: TestAmerica Burlington Job No.: 200-27312-1 Analy Batch No.: 85787

SDG No.:

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

Calibration Start Date: 03/19/2015 18:34 Calibration End Date: 03/20/2015 00:18 Calibration ID: 30154

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	2950 1159750	13689 1530093	36231 3139646	367280	751117	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl Butyl Ketone (2-Hexanone)	CBZ	Ave	+++++ 864103	+++++ 1108921	39937 2254683	277543	574782	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Dibromochloromethane	CBZ	Ave	+++++ 1260098	13428 1692324	37256 3475728	400386	817624	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dibromoethane	CBZ	Ave	+++++ 1073294	12206 1399923	33608 2890160	341309	695924	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chlorobenzene	CBZ	Ave	+++++ 1656478	19461 2165773	54417 4442720	528658	1078278	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Ethylbenzene	CBZ	Ave	+++++ 2544560	30830 3335238	81221 6824533	815571	1654595	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Nonane	CBZ	Ave	+++++ 1032850	13834 1351817	33184 2728152	334323	678561	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
m,p-Xylene	CBZ	Ave	+++++ 2126061	24755 2773863	67673 5563826	681261	1378942	+++++ 30.0	0.401 40.0	1.00 80.0	9.99	20.0
Xylene, o-	CBZ	Ave	+++++ 1048906	12078 1386147	33214 2797197	333229	686273	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Styrene	CBZ	Ave	+++++ 1691111	17289 2193731	51527 4507647	520646	1100734	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromoform	CBZ	Ave	+++++ 1372115	12768 1862021	39800 3773926	439648	889103	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Cumene	CBZ	Ave	+++++ 3113704	36089 4067163	97764 8265890	990941	2013481	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2,2-Tetrachloroethane	CBZ	Ave	+++++ 1410176	16406 1836257	46042 3745851	449977	917297	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Propylbenzene	CBZ	Ave	+++++ 3584338	41047 4667240	114083 9486739	1128825	2333292	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2,3-Trichloropropane	CBZ	Ave	+++++ 1099412	+++++ 1433629	36755 2921031	350760	721738	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Decane	CBZ	Ave	+++++ 1363965	+++++ 1766286	42807 3575287	430380	897187	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
4-Ethyltoluene	CBZ	Ave	+++++ 3142190	35158 4071492	98692 8121243	992941	2051099	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2-Chlorotoluene	CBZ	Ave	+++++ 2481134	28777 3225235	79581 6486611	783148	1613928	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3,5-Trimethylbenzene	CBZ	Ave	+++++ 2660182	29290 3451841	82569 7078855	833868	1729549	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Alpha Methyl Styrene	CBZ	Ave	+++++ 1414098	14071 1814622	41006 3766298	426843	914367	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
tert-Butylbenzene	CBZ	Ave	+++++ 2617308	29888 3412729	82092 6856701	828798	1702139	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

Lab Name: TestAmerica Burlington Job No.: 200-27312-1 Analy Batch No.: 85787

SDG No.:

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

Calibration Start Date: 03/19/2015 18:34 Calibration End Date: 03/20/2015 00:18 Calibration ID: 30154

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	+++++ 2675255	29281 3448129	83315 7069045	834236	1746182	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
sec-Butylbenzene	CBZ	Ave	+++++ 3814170	43314 4945685	118195 9909797	1210737	2484701	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
4-Isopropyltoluene	CBZ	Ave	+++++ 3391379	37237 4397328	104644 8804568	1061455	2217218	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Dichlorobenzene	CBZ	Ave	+++++ 2027836	20812 2546571	64008 5381604	608499	1314210	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,4-Dichlorobenzene	CBZ	Ave	+++++ 2046075	20528 2538495	65047 5434481	600161	1322275	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Benzyl chloride	CBZ	Ave	+++++ 2312264	22689 2944520	67572 6513217	687470	1450451	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Undecane	CBZ	Ave	+++++ 1480435	+++++ 1801489	+++++ 3569899	444257	986126	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
n-Butylbenzene	CBZ	Ave	+++++ 2827790	30855 3563561	88983 6833974	873405	1866606	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichlorobenzene	CBZ	Ave	+++++ 1915999	19747 2432101	60766 5111760	579014	1240887	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Dodecane	CBZ	Ave	+++++ 1345841	+++++ 1311440	+++++ 3318604	296931	881851	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
1,2,4-Trichlorobenzene	CBZ	Ave	+++++ 1779891	+++++ 1801598	51930 4902671	410962	1142888	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Hexachlorobutadiene	CBZ	Ave	+++++ 1750679	18570 2150110	51510 4679447	510337	1122447	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Naphthalene	CBZ	Ave	+++++ 3490319	+++++ 3020152	108312 9791100	683561	2225745	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,2,3-Trichlorobenzene	CBZ	Ave	+++++ 1618016	6900 1587276	45750 4389851	372560	1029750	+++++ 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.: 200-27201-1

SDG No.:

Lab Sample ID: ICV 200-85319/18 Calibration Date: 03/10/2015 12:25

Instrument ID: CHB.i Calib Start Date: 03/10/2015 00:15

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 03/10/2015 11:32

Lab File ID: 12475_18.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	1.480	1.440		9.73	10.0	-2.7	
1,2-Dichlorotetrafluoroethane	Ave	1.352	1.436		10.6	10.0	6.2	
Chloromethane	Ave	0.2822	0.2644		9.36	10.0	-6.3	
Vinyl chloride	Ave	0.4846	0.4527		9.34	10.0	-6.6	
1,3-Butadiene	Ave	0.3437	0.3189		9.28	10.0	-7.2	
Bromomethane	Ave	0.8933	0.8689		9.72	10.0	-2.7	
Chloroethane	Ave	0.4006	0.3788		9.45	10.0	-5.4	
Vinyl bromide	Ave	1.024	0.9715		9.49	10.0	-5.1	
Trichlorofluoromethane	Ave	2.363	2.233		9.45	10.0	-5.5	
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.922	1.890		9.83	10.0	-1.7	
1,1-Dichloroethene	Ave	0.9649	0.9269		9.60	10.0	-3.9	
Acetone	Ave	0.9044	0.8655		9.57	10.0	-4.3	
Isopropanol	Ave	0.8494	0.7523		8.86	10.0	-11.4	
Carbon disulfide	Ave	2.295	2.584		11.3	10.0	12.6	
Allyl chloride	Ave	0.7832	0.7156		9.13	10.0	-8.6	
Methylene Chloride	Ave	0.7456	0.7028		9.42	10.0	-5.7	
tert-Butyl alcohol	Ave	1.428	1.311		9.18	10.0	-8.1	
Methyl tert-butyl ether	Ave	2.529	2.470		9.76	10.0	-2.3	
1,2-Dichloroethene, trans-	Ave	1.105	1.135		10.3	10.0	2.8	
n-Hexane	Ave	1.201	1.220		10.2	10.0	1.6	
1,1-Dichloroethane	Ave	1.458	1.412		9.68	10.0	-3.1	
Methyl Ethyl Ketone	Ave	0.4876	0.4472		9.17	10.0	-8.3	
1,2-Dichloroethene, cis-	Ave	1.082	1.054		9.74	10.0	-2.6	
Tetrahydrofuran	Ave	0.1439	0.1414		9.83	10.0	-1.7	
Chloroform	Ave	1.855	1.820		9.81	10.0	-1.9	
1,1,1-Trichloroethane	Ave	0.4169	0.4111		9.86	10.0	-1.4	
Cyclohexane	Ave	0.2894	0.2907		10.0	10.0	0.5	
Carbon tetrachloride	Ave	0.4502	0.4519		10.0	10.0	0.4	
2,2,4-Trimethylpentane	Ave	0.8283	0.7996		9.65	10.0	-3.5	
Benzene	Ave	0.6186	0.6042		9.77	10.0	-2.3	
1,2-Dichloroethane	Ave	0.2148	0.2103		9.79	10.0	-2.1	
n-Heptane	Ave	0.2571	0.2431		9.46	10.0	-5.4	
Trichloroethene	Ave	0.2872	0.2940		10.2	10.0	2.4	
1,2-Dichloropropane	Ave	0.2032	0.1974		9.71	10.0	-2.9	
Methyl methacrylate	Ave	0.2058	0.2087		10.1	10.0	1.4	
1,4-Dioxane	Ave	0.1051	0.0996		9.47	10.0	-5.2	
Bromodichloromethane	Ave	0.4288	0.4208		9.81	10.0	-1.9	
1,3-Dichloropropene, cis-	Ave	0.3366	0.3379		10.0	10.0	0.4	
methyl isobutyl ketone	Ave	0.3182	0.3007		9.45	10.0	-5.5	
Toluene	Ave	0.5599	0.5467		9.76	10.0	-2.4	

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-27201-1

SDG No.:

Lab Sample ID: ICV 200-85319/18 Calibration Date: 03/10/2015 12:25

Instrument ID: CHB.i Calib Start Date: 03/10/2015 00:15

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 03/10/2015 11:32

Lab File ID: 12475_18.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,3-Dichloropropene, trans-	Ave	0.3390	0.3440		10.1	10.0	1.5	
1,1,2-Trichloroethane	Ave	0.2539	0.2531		9.97	10.0	-0.3	
Tetrachloroethene	Ave	0.5424	0.5511		10.2	10.0	1.6	
Dibromochloromethane	Ave	0.6012	0.5906		9.82	10.0	-1.8	
1,2-Dibromoethane	Ave	0.5178	0.5242		10.1	10.0	1.2	
Chlorobenzene	Ave	0.8181	0.8127		9.93	10.0	-0.7	
Ethylbenzene	Ave	1.140	1.161		10.2	10.0	1.8	
m-Xylene & p-Xylene	Ave	0.5071	0.5165		20.4	20.0	1.8	
o-Xylene	Ave	0.5128	0.5060		9.86	10.0	-1.3	
Styrene	Ave	0.7682	0.7827		10.2	10.0	1.9	
Bromoform	Ave	0.6165	0.6130		9.94	10.0	-0.6	
1,1,2,2-Tetrachloroethane	Ave	0.6616	0.6471		9.78	10.0	-2.2	
4-Ethyltoluene	Ave	1.415	1.467		10.4	10.0	3.7	
2-Chlorotoluene	Ave	1.098	1.089		9.91	10.0	-0.8	
1,3,5-Trimethylbenzene	Ave	1.177	1.192		10.1	10.0	1.2	
1,2,4-Trimethylbenzene	Ave	1.173	1.189		10.1	10.0	1.4	
1,3-Dichlorobenzene	Ave	0.8981	0.9328		10.4	10.0	3.9	
1,4-Dichlorobenzene	Ave	0.8973	0.9451		10.5	10.0	5.3	
1,2-Dichlorobenzene	Ave	0.8487	0.8835		10.4	10.0	4.1	
1,2,4-Trichlorobenzene	Ave	0.6990	0.7210		10.3	10.0	3.2	
Hexachlorobutadiene	Ave	0.5580	0.6039		10.8	10.0	8.2	
Naphthalene	Ave	1.493	1.480		9.91	10.0	-0.9	

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-27201-1

SDG No.:

Lab Sample ID: CCVIS 200-86009/2 Calibration Date: 03/24/2015 13:56

Instrument ID: CHB.i Calib Start Date: 03/10/2015 00:15

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 03/10/2015 11:32

Lab File ID: 12762_02.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	1.480	1.491		10.1	10.0	0.7	30.0
1,2-Dichlorotetrafluoroethane	Ave	1.352	1.301		9.63	10.0	-3.7	30.0
Chloromethane	Ave	0.2822	0.2593		9.18	10.0	-8.1	30.0
Vinyl chloride	Ave	0.4846	0.4526		9.34	10.0	-6.6	30.0
1,3-Butadiene	Ave	0.3437	0.3200		9.31	10.0	-6.9	30.0
Bromomethane	Ave	0.8933	0.9282		10.4	10.0	3.9	30.0
Chloroethane	Ave	0.4006	0.4156		10.4	10.0	3.8	30.0
Vinyl bromide	Ave	1.024	1.073		10.5	10.0	4.8	30.0
Trichlorofluoromethane	Ave	2.363	2.443		10.3	10.0	3.4	30.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.922	1.974		10.3	10.0	2.7	30.0
1,1-Dichloroethene	Ave	0.9649	0.9784		10.1	10.0	1.4	30.0
Acetone	Ave	0.9044	0.8752		9.67	10.0	-3.2	30.0
Isopropanol	Ave	0.8494	0.9729		11.5	10.0	14.5	30.0
Carbon disulfide	Ave	2.295	2.382		10.4	10.0	3.8	30.0
Allyl chloride	Ave	0.7832	0.6804		8.69	10.0	-13.1	30.0
Methylene Chloride	Ave	0.7456	0.7314		9.81	10.0	-1.9	30.0
tert-Butyl alcohol	Ave	1.428	1.589		11.1	10.0	11.3	30.0
Methyl tert-butyl ether	Ave	2.529	2.506		9.91	10.0	-0.9	30.0
1,2-Dichloroethene, trans-	Ave	1.105	1.115		10.1	10.0	0.9	30.0
n-Hexane	Ave	1.201	1.175		9.78	10.0	-2.2	30.0
1,1-Dichloroethane	Ave	1.458	1.472		10.1	10.0	1.0	30.0
Methyl Ethyl Ketone	Ave	0.4876	0.4721		9.68	10.0	-3.2	30.0
1,2-Dichloroethene, cis-	Ave	1.082	1.117		10.3	10.0	3.2	30.0
Tetrahydrofuran	Ave	0.1439	0.1482		10.3	10.0	3.0	30.0
Chloroform	Ave	1.855	1.895		10.2	10.0	2.2	30.0
1,1,1-Trichloroethane	Ave	0.4169	0.4289		10.3	10.0	2.9	30.0
Cyclohexane	Ave	0.2894	0.2985		10.3	10.0	3.2	30.0
Carbon tetrachloride	Ave	0.4502	0.4690		10.4	10.0	4.2	30.0
2,2,4-Trimethylpentane	Ave	0.8283	0.8378		10.1	10.0	1.1	30.0
Benzene	Ave	0.6186	0.6322		10.2	10.0	2.2	30.0
1,2-Dichloroethane	Ave	0.2148	0.2183		10.2	10.0	1.6	30.0
n-Heptane	Ave	0.2571	0.2529		9.84	10.0	-1.6	30.0
Trichloroethene	Ave	0.2872	0.2956		10.3	10.0	2.9	30.0
1,2-Dichloropropane	Ave	0.2032	0.2110		10.4	10.0	3.9	30.0
Methyl methacrylate	Ave	0.2058	0.2175		10.6	10.0	5.7	30.0
1,4-Dioxane	Ave	0.1051	0.1299		12.4	10.0	23.6	30.0
Bromodichloromethane	Ave	0.4288	0.4485		10.5	10.0	4.6	30.0
1,3-Dichloropropene, cis-	Ave	0.3366	0.3460		10.3	10.0	2.8	30.0
methyl isobutyl ketone	Ave	0.3182	0.3279		10.3	10.0	3.0	30.0
Toluene	Ave	0.5599	0.5658		10.1	10.0	1.1	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-27201-1

SDG No.:

Lab Sample ID: CCVIS 200-86009/2 Calibration Date: 03/24/2015 13:56

Instrument ID: CHB.i Calib Start Date: 03/10/2015 00:15

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 03/10/2015 11:32

Lab File ID: 12762_02.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,3-Dichloropropene, trans-	Ave	0.3390	0.3496		10.3	10.0	3.1	30.0
1,1,2-Trichloroethane	Ave	0.2539	0.2658		10.5	10.0	4.7	30.0
Tetrachloroethene	Ave	0.5424	0.5558		10.2	10.0	2.5	30.0
Dibromochloromethane	Ave	0.6012	0.6409		10.7	10.0	6.6	30.0
1,2-Dibromoethane	Ave	0.5178	0.5496		10.6	10.0	6.1	30.0
Chlorobenzene	Ave	0.8181	0.8407		10.3	10.0	2.8	30.0
Ethylbenzene	Ave	1.140	1.235		10.8	10.0	8.3	30.0
m-Xylene & p-Xylene	Ave	0.5071	0.5459		21.5	20.0	7.6	30.0
o-Xylene	Ave	0.5128	0.5324		10.4	10.0	3.8	30.0
Styrene	Ave	0.7682	0.8215		10.7	10.0	6.9	30.0
Bromoform	Ave	0.6165	0.6644		10.8	10.0	7.8	30.0
1,1,2,2-Tetrachloroethane	Ave	0.6616	0.7058		10.7	10.0	6.7	30.0
4-Ethyltoluene	Ave	1.415	1.517		10.7	10.0	7.2	30.0
2-Chlorotoluene	Ave	1.098	1.164		10.6	10.0	6.0	30.0
1,3,5-Trimethylbenzene	Ave	1.177	1.276		10.8	10.0	8.3	30.0
1,2,4-Trimethylbenzene	Ave	1.173	1.263		10.8	10.0	7.6	30.0
1,3-Dichlorobenzene	Ave	0.8981	0.9714		10.8	10.0	8.2	30.0
1,4-Dichlorobenzene	Ave	0.8973	0.9800		10.9	10.0	9.2	30.0
1,2-Dichlorobenzene	Ave	0.8487	0.9105		10.7	10.0	7.3	30.0
1,2,4-Trichlorobenzene	Ave	0.6990	0.7354		10.5	10.0	5.2	30.0
Hexachlorobutadiene	Ave	0.5580	0.5781		10.4	10.0	3.6	30.0
Naphthalene	Ave	1.493	1.636		11.0	10.0	9.5	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-27201-1

SDG No.:

Lab Sample ID: CCVC 200-86009/22 Calibration Date: 03/25/2015 09:00

Instrument ID: CHB.i Calib Start Date: 03/10/2015 00:15

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 03/10/2015 11:32

Lab File ID: 12762_22.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	1.480	1.583		10.7	10.0	6.9	30.0
1,2-Dichlorotetrafluoroethane	Ave	1.352	1.405		10.4	10.0	4.0	30.0
Chloromethane	Ave	0.2822	0.2941		10.4	10.0	4.2	30.0
Vinyl chloride	Ave	0.4846	0.5078		10.5	10.0	4.8	30.0
1,3-Butadiene	Ave	0.3437	0.3605		10.5	10.0	4.9	30.0
Bromomethane	Ave	0.8933	0.9390		10.5	10.0	5.1	30.0
Chloroethane	Ave	0.4006	0.4237		10.6	10.0	5.8	30.0
Vinyl bromide	Ave	1.024	1.089		10.6	10.0	6.4	30.0
Trichlorofluoromethane	Ave	2.363	2.477		10.5	10.0	4.8	30.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.922	1.984		10.3	10.0	3.2	30.0
1,1-Dichloroethene	Ave	0.9649	0.9875		10.2	10.0	2.3	30.0
Acetone	Ave	0.9044	0.9239		10.2	10.0	2.2	30.0
Isopropanol	Ave	0.8494	1.029		12.1	10.0	21.2	30.0
Carbon disulfide	Ave	2.295	2.443		10.6	10.0	6.4	30.0
Allyl chloride	Ave	0.7832	0.7245		9.25	10.0	-7.5	30.0
Methylene Chloride	Ave	0.7456	0.7802		10.5	10.0	4.6	30.0
tert-Butyl alcohol	Ave	1.428	1.651		11.6	10.0	15.6	30.0
Methyl tert-butyl ether	Ave	2.529	2.570		10.2	10.0	1.6	30.0
1,2-Dichloroethene, trans-	Ave	1.105	1.161		10.5	10.0	5.0	30.0
n-Hexane	Ave	1.201	1.242		10.3	10.0	3.4	30.0
1,1-Dichloroethane	Ave	1.458	1.541		10.6	10.0	5.8	30.0
Methyl Ethyl Ketone	Ave	0.4876	0.4944		10.1	10.0	1.4	30.0
1,2-Dichloroethene, cis-	Ave	1.082	1.145		10.6	10.0	5.8	30.0
Tetrahydrofuran	Ave	0.1439	0.1572		10.9	10.0	9.3	30.0
Chloroform	Ave	1.855	1.936		10.4	10.0	4.3	30.0
1,1,1-Trichloroethane	Ave	0.4169	0.4294		10.3	10.0	3.0	30.0
Cyclohexane	Ave	0.2894	0.3043		10.5	10.0	5.2	30.0
Carbon tetrachloride	Ave	0.4502	0.4653		10.3	10.0	3.4	30.0
2,2,4-Trimethylpentane	Ave	0.8283	0.8837		10.7	10.0	6.7	30.0
Benzene	Ave	0.6186	0.6437		10.4	10.0	4.1	30.0
1,2-Dichloroethane	Ave	0.2148	0.2214		10.3	10.0	3.1	30.0
n-Heptane	Ave	0.2571	0.2689		10.5	10.0	4.6	30.0
Trichloroethene	Ave	0.2872	0.2999		10.4	10.0	4.4	30.0
1,2-Dichloropropane	Ave	0.2032	0.2207		10.9	10.0	8.6	30.0
Methyl methacrylate	Ave	0.2058	0.2243		10.9	10.0	9.0	30.0
1,4-Dioxane	Ave	0.1051	0.1320		12.6	10.0	25.7	30.0
Bromodichloromethane	Ave	0.4288	0.4583		10.7	10.0	6.9	30.0
1,3-Dichloropropene, cis-	Ave	0.3366	0.3562		10.6	10.0	5.8	30.0
methyl isobutyl ketone	Ave	0.3182	0.3483		10.9	10.0	9.5	30.0
Toluene	Ave	0.5599	0.5692		10.2	10.0	1.7	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-27201-1

SDG No.:

Lab Sample ID: CCVC 200-86009/22 Calibration Date: 03/25/2015 09:00

Instrument ID: CHB.i Calib Start Date: 03/10/2015 00:15

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 03/10/2015 11:32

Lab File ID: 12762_22.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,3-Dichloropropene, trans-	Ave	0.3390	0.3592		10.6	10.0	5.9	30.0
1,1,2-Trichloroethane	Ave	0.2539	0.2704		10.7	10.0	6.5	30.0
Tetrachloroethene	Ave	0.5424	0.5435		10.0	10.0	0.2	30.0
Dibromochloromethane	Ave	0.6012	0.6323		10.5	10.0	5.2	30.0
1,2-Dibromoethane	Ave	0.5178	0.5500		10.6	10.0	6.2	30.0
Chlorobenzene	Ave	0.8181	0.8408		10.3	10.0	2.8	30.0
Ethylbenzene	Ave	1.140	1.245		10.9	10.0	9.1	30.0
m-Xylene & p-Xylene	Ave	0.5071	0.5497		21.7	20.0	8.4	30.0
o-Xylene	Ave	0.5128	0.5421		10.6	10.0	5.7	30.0
Styrene	Ave	0.7682	0.8326		10.8	10.0	8.4	30.0
Bromoform	Ave	0.6165	0.6573		10.7	10.0	6.6	30.0
1,1,2,2-Tetrachloroethane	Ave	0.6616	0.7325		11.1	10.0	10.7	30.0
4-Ethyltoluene	Ave	1.415	1.530		10.8	10.0	8.2	30.0
2-Chlorotoluene	Ave	1.098	1.189		10.8	10.0	8.3	30.0
1,3,5-Trimethylbenzene	Ave	1.177	1.289		10.9	10.0	9.5	30.0
1,2,4-Trimethylbenzene	Ave	1.173	1.283		10.9	10.0	9.3	30.0
1,3-Dichlorobenzene	Ave	0.8981	0.9750		10.9	10.0	8.6	30.0
1,4-Dichlorobenzene	Ave	0.8973	0.9893		11.0	10.0	10.3	30.0
1,2-Dichlorobenzene	Ave	0.8487	0.9191		10.8	10.0	8.3	30.0
1,2,4-Trichlorobenzene	Ave	0.6990	0.7429		10.6	10.0	6.3	30.0
Hexachlorobutadiene	Ave	0.5580	0.5757		10.3	10.0	3.2	30.0
Naphthalene	Ave	1.493	1.683		11.3	10.0	12.7	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-27201-1

SDG No.:

Lab Sample ID: ICV 200-81448/23 Calibration Date: 12/02/2014 15:13

Instrument ID: CHC.i Calib Start Date: 12/01/2014 18:06

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 12/01/2014 23:37

Lab File ID: 10870_23.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	0.5071	0.4202		8.28	10.0	-17.1	30.0
Dichlorodifluoromethane	Ave	4.270	3.610		8.45	10.0	-15.5	30.0
Freon 22	Ave	1.631	1.422		8.72	10.0	-12.8	30.0
1,2-Dichlorotetrafluoroethane	Ave	3.259	3.230		9.91	10.0	-0.9	30.0
Chloromethane	Ave	0.6346	0.5640		8.89	10.0	-11.1	30.0
n-Butane	Ave	1.084	0.9841		9.08	10.0	-9.2	30.0
Vinyl chloride	Ave	0.8833	0.8024		9.08	10.0	-9.2	30.0
1,3-Butadiene	Ave	0.5871	0.5422		9.23	10.0	-7.6	30.0
Bromomethane	Ave	1.140	1.022		8.97	10.0	-10.3	30.0
Chloroethane	Ave	0.4482	0.4032		8.99	10.0	-10.0	30.0
Isopentane	Ave	0.7928	0.7401		9.33	10.0	-6.7	30.0
Bromoethene(Vinyl Bromide)	Ave	1.051	0.9531		9.07	10.0	-9.3	30.0
Trichlorofluoromethane	Ave	4.444	3.855		8.67	10.0	-13.2	30.0
n-Pentane	Ave	0.9890	0.9819		9.93	10.0	-0.7	30.0
Ethanol	Ave	0.2654	0.1908		10.8	15.0	-28.1	30.0
Ethyl ether	Ave	0.4812	0.4987		10.4	10.0	3.6	30.0
Acrolein	Ave	0.1881	0.1993		10.6	10.0	5.9	30.0
Freon TF	Ave	2.265	2.081		9.19	10.0	-8.1	30.0
1,1-Dichloroethene	Ave	0.9289	0.8588		9.24	10.0	-7.6	30.0
Acetone	Ave	1.305	1.129		8.65	10.0	-13.5	30.0
Carbon disulfide	Ave	2.267	2.342		10.3	10.0	3.3	30.0
Isopropyl alcohol	Ave	0.8184	0.6303		7.70	10.0	-23.0	30.0
3-Chloropropene	Ave	0.7421	0.6700		9.03	10.0	-9.7	30.0
Acetonitrile	Ave	0.3708	0.3587		9.67	10.0	-3.3	30.0
Methylene Chloride	Ave	0.8865	0.7913		8.92	10.0	-10.7	30.0
tert-Butyl alcohol	Ave	1.647	1.381		8.38	10.0	-16.1	30.0
Methyl tert-butyl ether	Ave	2.964	2.827		9.53	10.0	-4.6	30.0
trans-1,2-Dichloroethene	Ave	1.298	1.264		9.74	10.0	-2.6	30.0
Acrylonitrile	Ave	0.4171	0.4213		10.1	10.0	1.0	30.0
n-Hexane	Ave	1.026	1.031		10.0	10.0	0.5	30.0
1,1-Dichloroethane	Ave	1.509	1.448		9.60	10.0	-4.0	30.0
Vinyl acetate	Ave	1.725	1.570		9.10	10.0	-8.9	30.0
cis-1,2-Dichloroethene	Ave	0.9850	0.9316		9.46	10.0	-5.4	30.0
Methyl Ethyl Ketone	Ave	0.3970	0.3595		9.05	10.0	-9.4	30.0
Ethyl acetate	Ave	0.0711	0.0750		10.6	10.0	5.6	30.0
Tetrahydrofuran	Ave	0.1461	0.1368		9.36	10.0	-6.4	30.0
Chloroform	Ave	2.468	2.344		9.50	10.0	-5.0	30.0
Cyclohexane	Ave	0.2721	0.2634		9.68	10.0	-3.2	30.0
1,1,1-Trichloroethane	Ave	0.7986	0.7301		9.14	10.0	-8.6	30.0
Carbon tetrachloride	Ave	0.9419	0.8885		9.43	10.0	-5.7	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-27201-1

SDG No.:

Lab Sample ID: ICV 200-81448/23 Calibration Date: 12/02/2014 15:13

Instrument ID: CHC.i Calib Start Date: 12/01/2014 18:06

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 12/01/2014 23:37

Lab File ID: 10870_23.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	0.7495	0.7199		9.60	10.0	-4.0	30.0
Benzene	Ave	0.5818	0.5440		9.35	10.0	-6.5	30.0
1,2-Dichloroethane	Ave	0.4562	0.4095		8.97	10.0	-10.2	30.0
n-Heptane	Ave	0.2548	0.2339		9.17	10.0	-8.2	30.0
n-Butanol	Ave	0.0735	0.0622		8.46	10.0	-15.4	30.0
Trichloroethene	Ave	0.3359	0.3249		9.67	10.0	-3.3	30.0
1,2-Dichloropropane	Ave	0.1695	0.1628		9.60	10.0	-4.0	30.0
Methyl methacrylate	Ave	0.1853	0.1816		9.80	10.0	-2.0	30.0
1,4-Dioxane	Ave	0.0906	0.0755		8.33	10.0	-16.6	30.0
Dibromomethane	Ave	0.4317	0.4171		9.66	10.0	-3.4	30.0
Bromodichloromethane	Ave	0.6683	0.6390		9.56	10.0	-4.4	30.0
cis-1,3-Dichloropropene	Ave	0.3502	0.3488		9.96	10.0	-0.4	30.0
methyl isobutyl ketone	Ave	0.3838	0.3525		9.18	10.0	-8.1	30.0
Toluene	Ave	0.5739	0.5230		9.11	10.0	-8.9	30.0
n-Octane	Ave	0.3613	0.3397		9.40	10.0	-6.0	30.0
trans-1,3-Dichloropropene	Ave	0.4913	0.4349		8.85	10.0	-11.5	30.0
1,1,2-Trichloroethane	Ave	0.2732	0.2490		9.11	10.0	-8.9	30.0
Tetrachloroethene	Ave	0.8780	0.7536		8.58	10.0	-14.2	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.4790	0.4130		8.62	10.0	-13.8	30.0
Dibromochloromethane	Ave	0.9772	0.8883		9.09	10.0	-9.1	30.0
1,2-Dibromoethane	Ave	0.6511	0.5965		9.16	10.0	-8.4	30.0
Chlorobenzene	Ave	0.9319	0.8410		9.02	10.0	-9.8	30.0
Ethylbenzene	Ave	1.531	1.364		8.91	10.0	-10.9	30.0
n-Nonane	Ave	0.4800	0.4229		8.81	10.0	-11.9	30.0
m,p-Xylene	Ave	0.6082	0.5446		17.9	20.0	-10.5	30.0
Xylene, o-	Ave	0.5681	0.5171		9.10	10.0	-9.0	30.0
Styrene	Ave	0.8118	0.7915		9.75	10.0	-2.5	30.0
Bromoform	Ave	1.150	1.044		9.08	10.0	-9.2	30.0
Cumene	Ave	1.960	1.752		8.94	10.0	-10.6	30.0
1,1,2,2-Tetrachloroethane	Ave	0.7313	0.6598		9.02	10.0	-9.8	30.0
n-Propylbenzene	Ave	2.240	2.003		8.94	10.0	-10.6	30.0
1,2,3-Trichloropropane	Ave	0.7109	0.6046		8.50	10.0	-15.0	30.0
n-Decane	Ave	0.6930	0.6012		8.67	10.0	-13.2	30.0
4-Ethyltoluene	Ave	2.086	1.919		9.20	10.0	-8.0	30.0
2-Chlorotoluene	Ave	1.783	1.541		8.64	10.0	-13.6	30.0
1,3,5-Trimethylbenzene	Ave	1.747	1.578		9.03	10.0	-9.7	30.0
Alpha Methyl Styrene	Ave	0.7260	0.7281		10.0	10.0	0.3	30.0
tert-Butylbenzene	Ave	1.767	1.583		8.96	10.0	-10.4	30.0
1,2,4-Trimethylbenzene	Ave	1.743	1.587		9.10	10.0	-9.0	30.0
sec-Butylbenzene	Ave	2.344	2.124		9.06	10.0	-9.4	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-27201-1

SDG No.:

Lab Sample ID: ICV 200-81448/23 Calibration Date: 12/02/2014 15:13

Instrument ID: CHC.i Calib Start Date: 12/01/2014 18:06

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 12/01/2014 23:37

Lab File ID: 10870_23.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Isopropyltoluene	Ave	2.264	2.074		9.16	10.0	-8.4	30.0
1,3-Dichlorobenzene	Ave	1.356	1.223		9.02	10.0	-9.8	30.0
1,4-Dichlorobenzene	Ave	1.361	1.246		9.16	10.0	-8.4	30.0
Benzyl chloride	Ave	1.368	1.097		8.01	10.0	-19.9	30.0
n-Butylbenzene	Ave	1.865	1.679		9.00	10.0	-10.0	30.0
n-Undecane	Ave	0.7663	0.6586		8.59	10.0	-14.1	30.0
1,2-Dichlorobenzene	Ave	1.262	1.150		9.12	10.0	-8.8	30.0
n-Dodecane	Ave	0.6955	0.6436		9.25	10.0	-7.5	30.0
1,2,4-Trichlorobenzene	Ave	1.171	1.066		9.10	10.0	-9.0	30.0
Hexachlorobutadiene	Ave	1.483	1.318		8.88	10.0	-11.1	30.0
Naphthalene	Ave	1.759	1.688		9.59	10.0	-4.1	30.0
1,2,3-Trichlorobenzene	Ave	0.9633	0.9632		10.0	10.0	0.0	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-27201-1

SDG No.:

Lab Sample ID: CCVIS 200-86038/2 Calibration Date: 03/25/2015 12:00

Instrument ID: CHC.i Calib Start Date: 12/01/2014 18:06

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 12/01/2014 23:37

Lab File ID: 12780_02.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	0.5071	0.4678		9.22	10.0	-7.8	30.0
Dichlorodifluoromethane	Ave	4.270	3.251		7.61	10.0	-23.9	30.0
Freon 22	Ave	1.631	1.388		8.51	10.0	-14.9	30.0
1,2-Dichlorotetrafluoroethane	Ave	3.259	2.702		8.29	10.0	-17.1	30.0
Chloromethane	Ave	0.6346	0.6054		9.54	10.0	-4.6	30.0
n-Butane	Ave	1.084	0.997		9.20	10.0	-8.0	30.0
Vinyl chloride	Ave	0.8833	0.8011		9.07	10.0	-9.3	30.0
1,3-Butadiene	Ave	0.5871	0.5556		9.46	10.0	-5.4	30.0
Bromomethane	Ave	1.140	0.9426		8.27	10.0	-17.3	30.0
Chloroethane	Ave	0.4482	0.3756		8.38	10.0	-16.2	30.0
Isopentane	Ave	0.7928	0.6388		8.06	10.0	-19.4	30.0
Bromoethene(Vinyl Bromide)	Ave	1.051	0.9746		9.27	10.0	-7.2	30.0
Trichlorofluoromethane	Ave	4.444	3.335		7.50	10.0	-25.0	30.0
n-Pentane	Ave	0.9890	0.9303		9.41	10.0	-5.9	30.0
Ethanol	Ave	0.2654	0.2415		13.7	15.0	-9.0	30.0
Ethyl ether	Ave	0.4812	0.4490		9.33	10.0	-6.7	30.0
Acrolein	Ave	0.1881	0.1870		9.94	10.0	-0.6	30.0
Freon TF	Ave	2.265	1.958		8.64	10.0	-13.6	30.0
1,1-Dichloroethene	Ave	0.9289	0.8480		9.13	10.0	-8.7	30.0
Acetone	Ave	1.305	1.039		7.96	10.0	-20.4	30.0
Carbon disulfide	Ave	2.267	1.959		8.64	10.0	-13.6	30.0
Isopropyl alcohol	Ave	0.8184	0.8822		10.8	10.0	7.8	30.0
3-Chloropropene	Ave	0.7421	0.6434		8.67	10.0	-13.3	30.0
Acetonitrile	Ave	0.3708	0.3635		9.80	10.0	-2.0	30.0
Methylene Chloride	Ave	0.8865	0.7597		8.57	10.0	-14.3	30.0
tert-Butyl alcohol	Ave	1.647	1.631		9.90	10.0	-1.0	30.0
Methyl tert-butyl ether	Ave	2.964	2.660		8.97	10.0	-10.2	30.0
trans-1,2-Dichloroethene	Ave	1.298	1.149		8.85	10.0	-11.5	30.0
Acrylonitrile	Ave	0.4171	0.4122		9.88	10.0	-1.2	30.0
n-Hexane	Ave	1.026	0.9609		9.37	10.0	-6.3	30.0
1,1-Dichloroethane	Ave	1.509	1.408		9.33	10.0	-6.7	30.0
Vinyl acetate	Ave	1.725	1.601		9.28	10.0	-7.2	30.0
cis-1,2-Dichloroethene	Ave	0.9850	0.9445		9.59	10.0	-4.1	30.0
Methyl Ethyl Ketone	Ave	0.3970	0.3525		8.88	10.0	-11.2	30.0
Ethyl acetate	Ave	0.0711	0.0694		9.77	10.0	-2.3	30.0
Tetrahydrofuran	Ave	0.1461	0.1372		9.39	10.0	-6.1	30.0
Chloroform	Ave	2.468	2.175		8.81	10.0	-11.9	30.0
Cyclohexane	Ave	0.2721	0.2549		9.36	10.0	-6.3	30.0
1,1,1-Trichloroethane	Ave	0.7986	0.6368		7.97	10.0	-20.3	30.0
Carbon tetrachloride	Ave	0.9419	0.7419		7.87	10.0	-21.2	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-27201-1

SDG No.:

Lab Sample ID: CCVIS 200-86038/2 Calibration Date: 03/25/2015 12:00

Instrument ID: CHC.i Calib Start Date: 12/01/2014 18:06

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 12/01/2014 23:37

Lab File ID: 12780_02.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	0.7495	0.7130		9.51	10.0	-4.9	30.0
Benzene	Ave	0.5818	0.5242		9.01	10.0	-9.9	30.0
1,2-Dichloroethane	Ave	0.4562	0.3677		8.06	10.0	-19.4	30.0
n-Heptane	Ave	0.2548	0.2342		9.19	10.0	-8.1	30.0
n-Butanol	Ave	0.0735	0.0788		10.7	10.0	7.2	30.0
Trichloroethene	Ave	0.3359	0.3001		8.93	10.0	-10.6	30.0
1,2-Dichloropropane	Ave	0.1695	0.1655		9.76	10.0	-2.4	30.0
Methyl methacrylate	Ave	0.1853	0.1746		9.42	10.0	-5.8	30.0
1,4-Dioxane	Ave	0.0906	0.1013		11.2	10.0	11.8	30.0
Dibromomethane	Ave	0.4317	0.4538		10.5	10.0	5.1	30.0
Bromodichloromethane	Ave	0.6683	0.5827		8.72	10.0	-12.8	30.0
cis-1,3-Dichloropropene	Ave	0.3502	0.3404		9.72	10.0	-2.8	30.0
methyl isobutyl ketone	Ave	0.3838	0.3389		8.83	10.0	-11.7	30.0
Toluene	Ave	0.5739	0.5105		8.89	10.0	-11.0	30.0
n-Octane	Ave	0.3613	0.3339		9.24	10.0	-7.6	30.0
trans-1,3-Dichloropropene	Ave	0.4913	0.4063		8.27	10.0	-17.3	30.0
1,1,2-Trichloroethane	Ave	0.2732	0.2326		8.51	10.0	-14.9	30.0
Tetrachloroethene	Ave	0.8780	0.7691		8.76	10.0	-12.4	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.4790	0.3860		8.06	10.0	-19.4	30.0
Dibromochloromethane	Ave	0.9772	0.8469		8.66	10.0	-13.3	30.0
1,2-Dibromoethane	Ave	0.6511	0.5614		8.62	10.0	-13.8	30.0
Chlorobenzene	Ave	0.9319	0.8324		8.93	10.0	-10.7	30.0
Ethylbenzene	Ave	1.531	1.275		8.33	10.0	-16.7	30.0
n-Nonane	Ave	0.4800	0.4028		8.39	10.0	-16.1	30.0
m,p-Xylene	Ave	0.6082	0.5354		17.6	20.0	-12.0	30.0
Xylene, o-	Ave	0.5681	0.5159		9.08	10.0	-9.2	30.0
Styrene	Ave	0.8118	0.7922		9.76	10.0	-2.4	30.0
Bromoform	Ave	1.150	0.997		8.66	10.0	-13.3	30.0
Cumene	Ave	1.960	1.677		8.56	10.0	-14.4	30.0
1,1,2,2-Tetrachloroethane	Ave	0.7313	0.6093		8.33	10.0	-16.7	30.0
n-Propylbenzene	Ave	2.240	1.826		8.15	10.0	-18.5	30.0
1,2,3-Trichloropropane	Ave	0.7109	0.5647		7.94	10.0	-20.6	30.0
n-Decane	Ave	0.6930	0.5712		8.24	10.0	-17.6	30.0
4-Ethyltoluene	Ave	2.086	1.753		8.40	10.0	-16.0	30.0
2-Chlorotoluene	Ave	1.783	1.384		7.76	10.0	-22.4	30.0
1,3,5-Trimethylbenzene	Ave	1.747	1.447		8.28	10.0	-17.2	30.0
Alpha Methyl Styrene	Ave	0.7260	0.7043		9.70	10.0	-3.0	30.0
tert-Butylbenzene	Ave	1.767	1.511		8.55	10.0	-14.5	30.0
1,2,4-Trimethylbenzene	Ave	1.743	1.472		8.44	10.0	-15.6	30.0
sec-Butylbenzene	Ave	2.344	2.004		8.55	10.0	-14.5	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-27201-1

SDG No.:

Lab Sample ID: CCVIS 200-86038/2 Calibration Date: 03/25/2015 12:00

Instrument ID: CHC.i Calib Start Date: 12/01/2014 18:06

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 12/01/2014 23:37

Lab File ID: 12780_02.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Isopropyltoluene	Ave	2.264	1.980		8.74	10.0	-12.5	30.0
1,3-Dichlorobenzene	Ave	1.356	1.207		8.90	10.0	-11.0	30.0
1,4-Dichlorobenzene	Ave	1.361	1.194		8.77	10.0	-12.3	30.0
Benzyl chloride	Ave	1.368	1.160		8.48	10.0	-15.2	30.0
n-Butylbenzene	Ave	1.865	1.501		8.05	10.0	-19.5	30.0
n-Undecane	Ave	0.7663	0.6034		7.87	10.0	-21.3	30.0
1,2-Dichlorobenzene	Ave	1.262	1.107		8.77	10.0	-12.3	30.0
n-Dodecane	Ave	0.6955	0.4844		6.96	10.0	-30.4*	30.0
1,2,4-Trichlorobenzene	Ave	1.171	0.9761		8.33	10.0	-16.7	30.0
Hexachlorobutadiene	Ave	1.483	1.203		8.11	10.0	-18.9	30.0
Naphthalene	Ave	1.759	1.464		8.32	10.0	-16.8	30.0
1,2,3-Trichlorobenzene	Ave	0.9633	0.8323		8.64	10.0	-13.6	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-27310-1

SDG No.:

Lab Sample ID: ICV 200-81448/23 Calibration Date: 12/02/2014 15:13

Instrument ID: CHC.i Calib Start Date: 12/01/2014 18:06

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 12/01/2014 23:37

Lab File ID: 10870_23.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	0.5071	0.4202		8.28	10.0	-17.1	30.0
Dichlorodifluoromethane	Ave	4.270	3.610		8.45	10.0	-15.5	30.0
Freon 22	Ave	1.631	1.422		8.72	10.0	-12.8	30.0
1,2-Dichlorotetrafluoroethane	Ave	3.259	3.230		9.91	10.0	-0.9	30.0
Chloromethane	Ave	0.6346	0.5640		8.89	10.0	-11.1	30.0
n-Butane	Ave	1.084	0.9841		9.08	10.0	-9.2	30.0
Vinyl chloride	Ave	0.8833	0.8024		9.08	10.0	-9.2	30.0
1,3-Butadiene	Ave	0.5871	0.5422		9.23	10.0	-7.6	30.0
Bromomethane	Ave	1.140	1.022		8.97	10.0	-10.3	30.0
Chloroethane	Ave	0.4482	0.4032		8.99	10.0	-10.0	30.0
Isopentane	Ave	0.7928	0.7401		9.33	10.0	-6.7	30.0
Bromoethene(Vinyl Bromide)	Ave	1.051	0.9531		9.07	10.0	-9.3	30.0
Trichlorofluoromethane	Ave	4.444	3.855		8.67	10.0	-13.2	30.0
n-Pentane	Ave	0.9890	0.9819		9.93	10.0	-0.7	30.0
Ethanol	Ave	0.2654	0.1908		10.8	15.0	-28.1	30.0
Ethyl ether	Ave	0.4812	0.4987		10.4	10.0	3.6	30.0
Acrolein	Ave	0.1881	0.1993		10.6	10.0	5.9	30.0
Freon TF	Ave	2.265	2.081		9.19	10.0	-8.1	30.0
1,1-Dichloroethene	Ave	0.9289	0.8588		9.24	10.0	-7.6	30.0
Acetone	Ave	1.305	1.129		8.65	10.0	-13.5	30.0
Carbon disulfide	Ave	2.267	2.342		10.3	10.0	3.3	30.0
Isopropyl alcohol	Ave	0.8184	0.6303		7.70	10.0	-23.0	30.0
3-Chloropropene	Ave	0.7421	0.6700		9.03	10.0	-9.7	30.0
Acetonitrile	Ave	0.3708	0.3587		9.67	10.0	-3.3	30.0
Methylene Chloride	Ave	0.8865	0.7913		8.92	10.0	-10.7	30.0
tert-Butyl alcohol	Ave	1.647	1.381		8.38	10.0	-16.1	30.0
Methyl tert-butyl ether	Ave	2.964	2.827		9.53	10.0	-4.6	30.0
trans-1,2-Dichloroethene	Ave	1.298	1.264		9.74	10.0	-2.6	30.0
Acrylonitrile	Ave	0.4171	0.4213		10.1	10.0	1.0	30.0
n-Hexane	Ave	1.026	1.031		10.0	10.0	0.5	30.0
1,1-Dichloroethane	Ave	1.509	1.448		9.60	10.0	-4.0	30.0
Vinyl acetate	Ave	1.725	1.570		9.10	10.0	-8.9	30.0
cis-1,2-Dichloroethene	Ave	0.9850	0.9316		9.46	10.0	-5.4	30.0
Methyl Ethyl Ketone	Ave	0.3970	0.3595		9.05	10.0	-9.4	30.0
Ethyl acetate	Ave	0.0711	0.0750		10.6	10.0	5.6	30.0
Tetrahydrofuran	Ave	0.1461	0.1368		9.36	10.0	-6.4	30.0
Chloroform	Ave	2.468	2.344		9.50	10.0	-5.0	30.0
Cyclohexane	Ave	0.2721	0.2634		9.68	10.0	-3.2	30.0
1,1,1-Trichloroethane	Ave	0.7986	0.7301		9.14	10.0	-8.6	30.0
Carbon tetrachloride	Ave	0.9419	0.8885		9.43	10.0	-5.7	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-27310-1

SDG No.:

Lab Sample ID: ICV 200-81448/23 Calibration Date: 12/02/2014 15:13

Instrument ID: CHC.i Calib Start Date: 12/01/2014 18:06

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 12/01/2014 23:37

Lab File ID: 10870_23.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	0.7495	0.7199		9.60	10.0	-4.0	30.0
Benzene	Ave	0.5818	0.5440		9.35	10.0	-6.5	30.0
1,2-Dichloroethane	Ave	0.4562	0.4095		8.97	10.0	-10.2	30.0
n-Heptane	Ave	0.2548	0.2339		9.17	10.0	-8.2	30.0
n-Butanol	Ave	0.0735	0.0622		8.46	10.0	-15.4	30.0
Trichloroethene	Ave	0.3359	0.3249		9.67	10.0	-3.3	30.0
1,2-Dichloropropane	Ave	0.1695	0.1628		9.60	10.0	-4.0	30.0
Methyl methacrylate	Ave	0.1853	0.1816		9.80	10.0	-2.0	30.0
1,4-Dioxane	Ave	0.0906	0.0755		8.33	10.0	-16.6	30.0
Dibromomethane	Ave	0.4317	0.4171		9.66	10.0	-3.4	30.0
Bromodichloromethane	Ave	0.6683	0.6390		9.56	10.0	-4.4	30.0
cis-1,3-Dichloropropene	Ave	0.3502	0.3488		9.96	10.0	-0.4	30.0
methyl isobutyl ketone	Ave	0.3838	0.3525		9.18	10.0	-8.1	30.0
Toluene	Ave	0.5739	0.5230		9.11	10.0	-8.9	30.0
n-Octane	Ave	0.3613	0.3397		9.40	10.0	-6.0	30.0
trans-1,3-Dichloropropene	Ave	0.4913	0.4349		8.85	10.0	-11.5	30.0
1,1,2-Trichloroethane	Ave	0.2732	0.2490		9.11	10.0	-8.9	30.0
Tetrachloroethene	Ave	0.8780	0.7536		8.58	10.0	-14.2	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.4790	0.4130		8.62	10.0	-13.8	30.0
Dibromochloromethane	Ave	0.9772	0.8883		9.09	10.0	-9.1	30.0
1,2-Dibromoethane	Ave	0.6511	0.5965		9.16	10.0	-8.4	30.0
Chlorobenzene	Ave	0.9319	0.8410		9.02	10.0	-9.8	30.0
Ethylbenzene	Ave	1.531	1.364		8.91	10.0	-10.9	30.0
n-Nonane	Ave	0.4800	0.4229		8.81	10.0	-11.9	30.0
m,p-Xylene	Ave	0.6082	0.5446		17.9	20.0	-10.5	30.0
Xylene, o-	Ave	0.5681	0.5171		9.10	10.0	-9.0	30.0
Styrene	Ave	0.8118	0.7915		9.75	10.0	-2.5	30.0
Bromoform	Ave	1.150	1.044		9.08	10.0	-9.2	30.0
Cumene	Ave	1.960	1.752		8.94	10.0	-10.6	30.0
1,1,2,2-Tetrachloroethane	Ave	0.7313	0.6598		9.02	10.0	-9.8	30.0
n-Propylbenzene	Ave	2.240	2.003		8.94	10.0	-10.6	30.0
1,2,3-Trichloropropane	Ave	0.7109	0.6046		8.50	10.0	-15.0	30.0
n-Decane	Ave	0.6930	0.6012		8.67	10.0	-13.2	30.0
4-Ethyltoluene	Ave	2.086	1.919		9.20	10.0	-8.0	30.0
2-Chlorotoluene	Ave	1.783	1.541		8.64	10.0	-13.6	30.0
1,3,5-Trimethylbenzene	Ave	1.747	1.578		9.03	10.0	-9.7	30.0
Alpha Methyl Styrene	Ave	0.7260	0.7281		10.0	10.0	0.3	30.0
tert-Butylbenzene	Ave	1.767	1.583		8.96	10.0	-10.4	30.0
1,2,4-Trimethylbenzene	Ave	1.743	1.587		9.10	10.0	-9.0	30.0
sec-Butylbenzene	Ave	2.344	2.124		9.06	10.0	-9.4	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-27310-1

SDG No.:

Lab Sample ID: ICV 200-81448/23 Calibration Date: 12/02/2014 15:13

Instrument ID: CHC.i Calib Start Date: 12/01/2014 18:06

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 12/01/2014 23:37

Lab File ID: 10870_23.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Isopropyltoluene	Ave	2.264	2.074		9.16	10.0	-8.4	30.0
1,3-Dichlorobenzene	Ave	1.356	1.223		9.02	10.0	-9.8	30.0
1,4-Dichlorobenzene	Ave	1.361	1.246		9.16	10.0	-8.4	30.0
Benzyl chloride	Ave	1.368	1.097		8.01	10.0	-19.9	30.0
n-Butylbenzene	Ave	1.865	1.679		9.00	10.0	-10.0	30.0
n-Undecane	Ave	0.7663	0.6586		8.59	10.0	-14.1	30.0
1,2-Dichlorobenzene	Ave	1.262	1.150		9.12	10.0	-8.8	30.0
n-Dodecane	Ave	0.6955	0.6436		9.25	10.0	-7.5	30.0
1,2,4-Trichlorobenzene	Ave	1.171	1.066		9.10	10.0	-9.0	30.0
Hexachlorobutadiene	Ave	1.483	1.318		8.88	10.0	-11.1	30.0
Naphthalene	Ave	1.759	1.688		9.59	10.0	-4.1	30.0
1,2,3-Trichlorobenzene	Ave	0.9633	0.9632		10.0	10.0	0.0	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-27310-1

SDG No.:

Lab Sample ID: CCVIS 200-86252/2 Calibration Date: 03/31/2015 10:52

Instrument ID: CHC.i Calib Start Date: 12/01/2014 18:06

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 12/01/2014 23:37

Lab File ID: 12884_02.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	0.5071	0.4897		9.65	10.0	-3.4	30.0
Dichlorodifluoromethane	Ave	4.270	3.147		7.37	10.0	-26.3	30.0
Freon 22	Ave	1.631	1.419		8.70	10.0	-13.0	30.0
1,2-Dichlorotetrafluoroethane	Ave	3.259	2.723		8.36	10.0	-16.4	30.0
Chloromethane	Ave	0.6346	0.6235		9.82	10.0	-1.7	30.0
n-Butane	Ave	1.084	1.019		9.40	10.0	-6.0	30.0
Vinyl chloride	Ave	0.8833	0.8226		9.31	10.0	-6.9	30.0
1,3-Butadiene	Ave	0.5871	0.5612		9.56	10.0	-4.4	30.0
Bromomethane	Ave	1.140	0.9570		8.40	10.0	-16.0	30.0
Chloroethane	Ave	0.4482	0.3854		8.60	10.0	-14.0	30.0
Isopentane	Ave	0.7928	0.6760		8.53	10.0	-14.7	30.0
Bromoethene(Vinyl Bromide)	Ave	1.051	0.9899		9.42	10.0	-5.8	30.0
Trichlorofluoromethane	Ave	4.444	3.232		7.27	10.0	-27.3	30.0
n-Pentane	Ave	0.9890	0.9655		9.76	10.0	-2.4	30.0
Ethanol	Ave	0.2654	0.2316		13.1	15.0	-12.8	30.0
Ethyl ether	Ave	0.4812	0.4705		9.78	10.0	-2.2	30.0
Acrolein	Ave	0.1881	0.1925		10.2	10.0	2.4	30.0
Freon TF	Ave	2.265	1.950		8.61	10.0	-13.9	30.0
1,1-Dichloroethene	Ave	0.9289	0.8599		9.26	10.0	-7.4	30.0
Acetone	Ave	1.305	1.099		8.42	10.0	-15.7	30.0
Carbon disulfide	Ave	2.267	2.013		8.88	10.0	-11.2	30.0
Isopropyl alcohol	Ave	0.8184	0.8749		10.7	10.0	6.9	30.0
3-Chloropropene	Ave	0.7421	0.6725		9.06	10.0	-9.4	30.0
Acetonitrile	Ave	0.3708	0.3832		10.3	10.0	3.3	30.0
Methylene Chloride	Ave	0.8865	0.7784		8.78	10.0	-12.2	30.0
tert-Butyl alcohol	Ave	1.647	1.640		9.96	10.0	-0.4	30.0
Methyl tert-butyl ether	Ave	2.964	2.730		9.21	10.0	-7.9	30.0
trans-1,2-Dichloroethene	Ave	1.298	1.181		9.10	10.0	-9.0	30.0
Acrylonitrile	Ave	0.4171	0.4257		10.2	10.0	2.1	30.0
n-Hexane	Ave	1.026	0.9853		9.60	10.0	-3.9	30.0
1,1-Dichloroethane	Ave	1.509	1.451		9.62	10.0	-3.8	30.0
Vinyl acetate	Ave	1.725	1.683		9.75	10.0	-2.4	30.0
cis-1,2-Dichloroethene	Ave	0.9850	0.9710		9.86	10.0	-1.4	30.0
Methyl Ethyl Ketone	Ave	0.3970	0.3776		9.51	10.0	-4.9	30.0
Ethyl acetate	Ave	0.0711	0.0713		10.0	10.0	0.3	30.0
Tetrahydrofuran	Ave	0.1461	0.1401		9.59	10.0	-4.1	30.0
Chloroform	Ave	2.468	2.239		9.07	10.0	-9.3	30.0
Cyclohexane	Ave	0.2721	0.2542		9.34	10.0	-6.6	30.0
1,1,1-Trichloroethane	Ave	0.7986	0.6190		7.75	10.0	-22.5	30.0
Carbon tetrachloride	Ave	0.9419	0.6926		7.35	10.0	-26.5	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-27310-1

SDG No.:

Lab Sample ID: CCVIS 200-86252/2 Calibration Date: 03/31/2015 10:52

Instrument ID: CHC.i Calib Start Date: 12/01/2014 18:06

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 12/01/2014 23:37

Lab File ID: 12884_02.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	0.7495	0.7347		9.80	10.0	-2.0	30.0
Benzene	Ave	0.5818	0.5389		9.26	10.0	-7.4	30.0
1,2-Dichloroethane	Ave	0.4562	0.3698		8.10	10.0	-18.9	30.0
n-Heptane	Ave	0.2548	0.2433		9.55	10.0	-4.5	30.0
n-Butanol	Ave	0.0735	0.0771		10.5	10.0	4.9	30.0
Trichloroethene	Ave	0.3359	0.3053		9.09	10.0	-9.1	30.0
1,2-Dichloropropane	Ave	0.1695	0.1712		10.1	10.0	1.0	30.0
Methyl methacrylate	Ave	0.1853	0.1836		9.90	10.0	-0.9	30.0
1,4-Dioxane	Ave	0.0906	0.0970		10.7	10.0	7.0	30.0
Dibromomethane	Ave	0.4317	0.4503		10.4	10.0	4.3	30.0
Bromodichloromethane	Ave	0.6683	0.5874		8.79	10.0	-12.1	30.0
cis-1,3-Dichloropropene	Ave	0.3502	0.3479		9.93	10.0	-0.7	30.0
methyl isobutyl ketone	Ave	0.3838	0.3547		9.24	10.0	-7.6	30.0
Toluene	Ave	0.5739	0.5317		9.26	10.0	-7.4	30.0
n-Octane	Ave	0.3613	0.3508		9.71	10.0	-2.9	30.0
trans-1,3-Dichloropropene	Ave	0.4913	0.4138		8.42	10.0	-15.8	30.0
1,1,2-Trichloroethane	Ave	0.2732	0.2420		8.86	10.0	-11.4	30.0
Tetrachloroethene	Ave	0.8780	0.7631		8.69	10.0	-13.1	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.4790	0.4091		8.54	10.0	-14.6	30.0
Dibromochloromethane	Ave	0.9772	0.8364		8.56	10.0	-14.4	30.0
1,2-Dibromoethane	Ave	0.6511	0.5729		8.80	10.0	-12.0	30.0
Chlorobenzene	Ave	0.9319	0.8432		9.05	10.0	-9.5	30.0
Ethylbenzene	Ave	1.531	1.306		8.53	10.0	-14.7	30.0
n-Nonane	Ave	0.4800	0.4292		8.94	10.0	-10.6	30.0
m,p-Xylene	Ave	0.6082	0.5413		17.8	20.0	-11.0	30.0
Xylene, o-	Ave	0.5681	0.5176		9.11	10.0	-8.9	30.0
Styrene	Ave	0.8118	0.8045		9.91	10.0	-0.9	30.0
Bromoform	Ave	1.150	0.9372		8.15	10.0	-18.5	30.0
Cumene	Ave	1.960	1.672		8.53	10.0	-14.7	30.0
1,1,2,2-Tetrachloroethane	Ave	0.7313	0.6165		8.43	10.0	-15.7	30.0
n-Propylbenzene	Ave	2.240	1.824		8.14	10.0	-18.6	30.0
1,2,3-Trichloropropane	Ave	0.7109	0.5631		7.92	10.0	-20.8	30.0
n-Decane	Ave	0.6930	0.5830		8.41	10.0	-15.9	30.0
4-Ethyltoluene	Ave	2.086	1.745		8.36	10.0	-16.4	30.0
2-Chlorotoluene	Ave	1.783	1.378		7.73	10.0	-22.7	30.0
1,3,5-Trimethylbenzene	Ave	1.747	1.444		8.26	10.0	-17.3	30.0
Alpha Methyl Styrene	Ave	0.7260	0.6903		9.51	10.0	-4.9	30.0
tert-Butylbenzene	Ave	1.767	1.476		8.35	10.0	-16.5	30.0
1,2,4-Trimethylbenzene	Ave	1.743	1.447		8.30	10.0	-17.0	30.0
sec-Butylbenzene	Ave	2.344	1.975		8.43	10.0	-15.7	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-27310-1

SDG No.:

Lab Sample ID: CCVIS 200-86252/2 Calibration Date: 03/31/2015 10:52

Instrument ID: CHC.i Calib Start Date: 12/01/2014 18:06

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 12/01/2014 23:37

Lab File ID: 12884_02.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Isopropyltoluene	Ave	2.264	1.923		8.49	10.0	-15.0	30.0
1,3-Dichlorobenzene	Ave	1.356	1.155		8.52	10.0	-14.8	30.0
1,4-Dichlorobenzene	Ave	1.361	1.157		8.50	10.0	-14.9	30.0
Benzyl chloride	Ave	1.368	1.135		8.29	10.0	-17.1	30.0
n-Butylbenzene	Ave	1.865	1.480		7.93	10.0	-20.7	30.0
n-Undecane	Ave	0.7663	0.6114		7.98	10.0	-20.2	30.0
1,2-Dichlorobenzene	Ave	1.262	1.071		8.49	10.0	-15.1	30.0
n-Dodecane	Ave	0.6955	0.4967		7.14	10.0	-28.6	30.0
1,2,4-Trichlorobenzene	Ave	1.171	0.9150		7.81	10.0	-21.9	30.0
Hexachlorobutadiene	Ave	1.483	1.114		7.51	10.0	-24.9	30.0
Naphthalene	Ave	1.759	1.391		7.91	10.0	-20.9	30.0
1,2,3-Trichlorobenzene	Ave	0.9633	0.7891		8.19	10.0	-18.1	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-27311-1

SDG No.:

Lab Sample ID: ICV 200-81448/23 Calibration Date: 12/02/2014 15:13

Instrument ID: CHC.i Calib Start Date: 12/01/2014 18:06

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 12/01/2014 23:37

Lab File ID: 10870_23.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	0.5071	0.4202		8.28	10.0	-17.1	30.0
Dichlorodifluoromethane	Ave	4.270	3.610		8.45	10.0	-15.5	30.0
Freon 22	Ave	1.631	1.422		8.72	10.0	-12.8	30.0
1,2-Dichlorotetrafluoroethane	Ave	3.259	3.230		9.91	10.0	-0.9	30.0
Chloromethane	Ave	0.6346	0.5640		8.89	10.0	-11.1	30.0
n-Butane	Ave	1.084	0.9841		9.08	10.0	-9.2	30.0
Vinyl chloride	Ave	0.8833	0.8024		9.08	10.0	-9.2	30.0
1,3-Butadiene	Ave	0.5871	0.5422		9.23	10.0	-7.6	30.0
Bromomethane	Ave	1.140	1.022		8.97	10.0	-10.3	30.0
Chloroethane	Ave	0.4482	0.4032		8.99	10.0	-10.0	30.0
Isopentane	Ave	0.7928	0.7401		9.33	10.0	-6.7	30.0
Bromoethene(Vinyl Bromide)	Ave	1.051	0.9531		9.07	10.0	-9.3	30.0
Trichlorofluoromethane	Ave	4.444	3.855		8.67	10.0	-13.2	30.0
n-Pentane	Ave	0.9890	0.9819		9.93	10.0	-0.7	30.0
Ethanol	Ave	0.2654	0.1908		10.8	15.0	-28.1	30.0
Ethyl ether	Ave	0.4812	0.4987		10.4	10.0	3.6	30.0
Acrolein	Ave	0.1881	0.1993		10.6	10.0	5.9	30.0
Freon TF	Ave	2.265	2.081		9.19	10.0	-8.1	30.0
1,1-Dichloroethene	Ave	0.9289	0.8588		9.24	10.0	-7.6	30.0
Acetone	Ave	1.305	1.129		8.65	10.0	-13.5	30.0
Carbon disulfide	Ave	2.267	2.342		10.3	10.0	3.3	30.0
Isopropyl alcohol	Ave	0.8184	0.6303		7.70	10.0	-23.0	30.0
3-Chloropropene	Ave	0.7421	0.6700		9.03	10.0	-9.7	30.0
Acetonitrile	Ave	0.3708	0.3587		9.67	10.0	-3.3	30.0
Methylene Chloride	Ave	0.8865	0.7913		8.92	10.0	-10.7	30.0
tert-Butyl alcohol	Ave	1.647	1.381		8.38	10.0	-16.1	30.0
Methyl tert-butyl ether	Ave	2.964	2.827		9.53	10.0	-4.6	30.0
trans-1,2-Dichloroethene	Ave	1.298	1.264		9.74	10.0	-2.6	30.0
Acrylonitrile	Ave	0.4171	0.4213		10.1	10.0	1.0	30.0
n-Hexane	Ave	1.026	1.031		10.0	10.0	0.5	30.0
1,1-Dichloroethane	Ave	1.509	1.448		9.60	10.0	-4.0	30.0
Vinyl acetate	Ave	1.725	1.570		9.10	10.0	-8.9	30.0
cis-1,2-Dichloroethene	Ave	0.9850	0.9316		9.46	10.0	-5.4	30.0
Methyl Ethyl Ketone	Ave	0.3970	0.3595		9.05	10.0	-9.4	30.0
Ethyl acetate	Ave	0.0711	0.0750		10.6	10.0	5.6	30.0
Tetrahydrofuran	Ave	0.1461	0.1368		9.36	10.0	-6.4	30.0
Chloroform	Ave	2.468	2.344		9.50	10.0	-5.0	30.0
Cyclohexane	Ave	0.2721	0.2634		9.68	10.0	-3.2	30.0
1,1,1-Trichloroethane	Ave	0.7986	0.7301		9.14	10.0	-8.6	30.0
Carbon tetrachloride	Ave	0.9419	0.8885		9.43	10.0	-5.7	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-27311-1

SDG No.:

Lab Sample ID: ICV 200-81448/23 Calibration Date: 12/02/2014 15:13

Instrument ID: CHC.i Calib Start Date: 12/01/2014 18:06

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 12/01/2014 23:37

Lab File ID: 10870_23.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	0.7495	0.7199		9.60	10.0	-4.0	30.0
Benzene	Ave	0.5818	0.5440		9.35	10.0	-6.5	30.0
1,2-Dichloroethane	Ave	0.4562	0.4095		8.97	10.0	-10.2	30.0
n-Heptane	Ave	0.2548	0.2339		9.17	10.0	-8.2	30.0
n-Butanol	Ave	0.0735	0.0622		8.46	10.0	-15.4	30.0
Trichloroethene	Ave	0.3359	0.3249		9.67	10.0	-3.3	30.0
1,2-Dichloropropane	Ave	0.1695	0.1628		9.60	10.0	-4.0	30.0
Methyl methacrylate	Ave	0.1853	0.1816		9.80	10.0	-2.0	30.0
1,4-Dioxane	Ave	0.0906	0.0755		8.33	10.0	-16.6	30.0
Dibromomethane	Ave	0.4317	0.4171		9.66	10.0	-3.4	30.0
Bromodichloromethane	Ave	0.6683	0.6390		9.56	10.0	-4.4	30.0
cis-1,3-Dichloropropene	Ave	0.3502	0.3488		9.96	10.0	-0.4	30.0
methyl isobutyl ketone	Ave	0.3838	0.3525		9.18	10.0	-8.1	30.0
Toluene	Ave	0.5739	0.5230		9.11	10.0	-8.9	30.0
n-Octane	Ave	0.3613	0.3397		9.40	10.0	-6.0	30.0
trans-1,3-Dichloropropene	Ave	0.4913	0.4349		8.85	10.0	-11.5	30.0
1,1,2-Trichloroethane	Ave	0.2732	0.2490		9.11	10.0	-8.9	30.0
Tetrachloroethene	Ave	0.8780	0.7536		8.58	10.0	-14.2	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.4790	0.4130		8.62	10.0	-13.8	30.0
Dibromochloromethane	Ave	0.9772	0.8883		9.09	10.0	-9.1	30.0
1,2-Dibromoethane	Ave	0.6511	0.5965		9.16	10.0	-8.4	30.0
Chlorobenzene	Ave	0.9319	0.8410		9.02	10.0	-9.8	30.0
Ethylbenzene	Ave	1.531	1.364		8.91	10.0	-10.9	30.0
n-Nonane	Ave	0.4800	0.4229		8.81	10.0	-11.9	30.0
m,p-Xylene	Ave	0.6082	0.5446		17.9	20.0	-10.5	30.0
Xylene, o-	Ave	0.5681	0.5171		9.10	10.0	-9.0	30.0
Styrene	Ave	0.8118	0.7915		9.75	10.0	-2.5	30.0
Bromoform	Ave	1.150	1.044		9.08	10.0	-9.2	30.0
Cumene	Ave	1.960	1.752		8.94	10.0	-10.6	30.0
1,1,2,2-Tetrachloroethane	Ave	0.7313	0.6598		9.02	10.0	-9.8	30.0
n-Propylbenzene	Ave	2.240	2.003		8.94	10.0	-10.6	30.0
1,2,3-Trichloropropane	Ave	0.7109	0.6046		8.50	10.0	-15.0	30.0
n-Decane	Ave	0.6930	0.6012		8.67	10.0	-13.2	30.0
4-Ethyltoluene	Ave	2.086	1.919		9.20	10.0	-8.0	30.0
2-Chlorotoluene	Ave	1.783	1.541		8.64	10.0	-13.6	30.0
1,3,5-Trimethylbenzene	Ave	1.747	1.578		9.03	10.0	-9.7	30.0
Alpha Methyl Styrene	Ave	0.7260	0.7281		10.0	10.0	0.3	30.0
tert-Butylbenzene	Ave	1.767	1.583		8.96	10.0	-10.4	30.0
1,2,4-Trimethylbenzene	Ave	1.743	1.587		9.10	10.0	-9.0	30.0
sec-Butylbenzene	Ave	2.344	2.124		9.06	10.0	-9.4	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-27311-1

SDG No.:

Lab Sample ID: ICV 200-81448/23 Calibration Date: 12/02/2014 15:13

Instrument ID: CHC.i Calib Start Date: 12/01/2014 18:06

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 12/01/2014 23:37

Lab File ID: 10870_23.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Isopropyltoluene	Ave	2.264	2.074		9.16	10.0	-8.4	30.0
1,3-Dichlorobenzene	Ave	1.356	1.223		9.02	10.0	-9.8	30.0
1,4-Dichlorobenzene	Ave	1.361	1.246		9.16	10.0	-8.4	30.0
Benzyl chloride	Ave	1.368	1.097		8.01	10.0	-19.9	30.0
n-Butylbenzene	Ave	1.865	1.679		9.00	10.0	-10.0	30.0
n-Undecane	Ave	0.7663	0.6586		8.59	10.0	-14.1	30.0
1,2-Dichlorobenzene	Ave	1.262	1.150		9.12	10.0	-8.8	30.0
n-Dodecane	Ave	0.6955	0.6436		9.25	10.0	-7.5	30.0
1,2,4-Trichlorobenzene	Ave	1.171	1.066		9.10	10.0	-9.0	30.0
Hexachlorobutadiene	Ave	1.483	1.318		8.88	10.0	-11.1	30.0
Naphthalene	Ave	1.759	1.688		9.59	10.0	-4.1	30.0
1,2,3-Trichlorobenzene	Ave	0.9633	0.9632		10.0	10.0	0.0	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-27311-1

SDG No.:

Lab Sample ID: CCVIS 200-86252/2 Calibration Date: 03/31/2015 10:52

Instrument ID: CHC.i Calib Start Date: 12/01/2014 18:06

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 12/01/2014 23:37

Lab File ID: 12884_02.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	0.5071	0.4897		9.65	10.0	-3.4	30.0
Dichlorodifluoromethane	Ave	4.270	3.147		7.37	10.0	-26.3	30.0
Freon 22	Ave	1.631	1.419		8.70	10.0	-13.0	30.0
1,2-Dichlorotetrafluoroethane	Ave	3.259	2.723		8.36	10.0	-16.4	30.0
Chloromethane	Ave	0.6346	0.6235		9.82	10.0	-1.7	30.0
n-Butane	Ave	1.084	1.019		9.40	10.0	-6.0	30.0
Vinyl chloride	Ave	0.8833	0.8226		9.31	10.0	-6.9	30.0
1,3-Butadiene	Ave	0.5871	0.5612		9.56	10.0	-4.4	30.0
Bromomethane	Ave	1.140	0.9570		8.40	10.0	-16.0	30.0
Chloroethane	Ave	0.4482	0.3854		8.60	10.0	-14.0	30.0
Isopentane	Ave	0.7928	0.6760		8.53	10.0	-14.7	30.0
Bromoethene(Vinyl Bromide)	Ave	1.051	0.9899		9.42	10.0	-5.8	30.0
Trichlorofluoromethane	Ave	4.444	3.232		7.27	10.0	-27.3	30.0
n-Pentane	Ave	0.9890	0.9655		9.76	10.0	-2.4	30.0
Ethanol	Ave	0.2654	0.2316		13.1	15.0	-12.8	30.0
Ethyl ether	Ave	0.4812	0.4705		9.78	10.0	-2.2	30.0
Acrolein	Ave	0.1881	0.1925		10.2	10.0	2.4	30.0
Freon TF	Ave	2.265	1.950		8.61	10.0	-13.9	30.0
1,1-Dichloroethene	Ave	0.9289	0.8599		9.26	10.0	-7.4	30.0
Acetone	Ave	1.305	1.099		8.42	10.0	-15.7	30.0
Carbon disulfide	Ave	2.267	2.013		8.88	10.0	-11.2	30.0
Isopropyl alcohol	Ave	0.8184	0.8749		10.7	10.0	6.9	30.0
3-Chloropropene	Ave	0.7421	0.6725		9.06	10.0	-9.4	30.0
Acetonitrile	Ave	0.3708	0.3832		10.3	10.0	3.3	30.0
Methylene Chloride	Ave	0.8865	0.7784		8.78	10.0	-12.2	30.0
tert-Butyl alcohol	Ave	1.647	1.640		9.96	10.0	-0.4	30.0
Methyl tert-butyl ether	Ave	2.964	2.730		9.21	10.0	-7.9	30.0
trans-1,2-Dichloroethene	Ave	1.298	1.181		9.10	10.0	-9.0	30.0
Acrylonitrile	Ave	0.4171	0.4257		10.2	10.0	2.1	30.0
n-Hexane	Ave	1.026	0.9853		9.60	10.0	-3.9	30.0
1,1-Dichloroethane	Ave	1.509	1.451		9.62	10.0	-3.8	30.0
Vinyl acetate	Ave	1.725	1.683		9.75	10.0	-2.4	30.0
cis-1,2-Dichloroethene	Ave	0.9850	0.9710		9.86	10.0	-1.4	30.0
Methyl Ethyl Ketone	Ave	0.3970	0.3776		9.51	10.0	-4.9	30.0
Ethyl acetate	Ave	0.0711	0.0713		10.0	10.0	0.3	30.0
Tetrahydrofuran	Ave	0.1461	0.1401		9.59	10.0	-4.1	30.0
Chloroform	Ave	2.468	2.239		9.07	10.0	-9.3	30.0
Cyclohexane	Ave	0.2721	0.2542		9.34	10.0	-6.6	30.0
1,1,1-Trichloroethane	Ave	0.7986	0.6190		7.75	10.0	-22.5	30.0
Carbon tetrachloride	Ave	0.9419	0.6926		7.35	10.0	-26.5	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-27311-1

SDG No.:

Lab Sample ID: CCVIS 200-86252/2 Calibration Date: 03/31/2015 10:52

Instrument ID: CHC.i Calib Start Date: 12/01/2014 18:06

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 12/01/2014 23:37

Lab File ID: 12884_02.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	0.7495	0.7347		9.80	10.0	-2.0	30.0
Benzene	Ave	0.5818	0.5389		9.26	10.0	-7.4	30.0
1,2-Dichloroethane	Ave	0.4562	0.3698		8.10	10.0	-18.9	30.0
n-Heptane	Ave	0.2548	0.2433		9.55	10.0	-4.5	30.0
n-Butanol	Ave	0.0735	0.0771		10.5	10.0	4.9	30.0
Trichloroethene	Ave	0.3359	0.3053		9.09	10.0	-9.1	30.0
1,2-Dichloropropane	Ave	0.1695	0.1712		10.1	10.0	1.0	30.0
Methyl methacrylate	Ave	0.1853	0.1836		9.90	10.0	-0.9	30.0
1,4-Dioxane	Ave	0.0906	0.0970		10.7	10.0	7.0	30.0
Dibromomethane	Ave	0.4317	0.4503		10.4	10.0	4.3	30.0
Bromodichloromethane	Ave	0.6683	0.5874		8.79	10.0	-12.1	30.0
cis-1,3-Dichloropropene	Ave	0.3502	0.3479		9.93	10.0	-0.7	30.0
methyl isobutyl ketone	Ave	0.3838	0.3547		9.24	10.0	-7.6	30.0
Toluene	Ave	0.5739	0.5317		9.26	10.0	-7.4	30.0
n-Octane	Ave	0.3613	0.3508		9.71	10.0	-2.9	30.0
trans-1,3-Dichloropropene	Ave	0.4913	0.4138		8.42	10.0	-15.8	30.0
1,1,2-Trichloroethane	Ave	0.2732	0.2420		8.86	10.0	-11.4	30.0
Tetrachloroethene	Ave	0.8780	0.7631		8.69	10.0	-13.1	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.4790	0.4091		8.54	10.0	-14.6	30.0
Dibromochloromethane	Ave	0.9772	0.8364		8.56	10.0	-14.4	30.0
1,2-Dibromoethane	Ave	0.6511	0.5729		8.80	10.0	-12.0	30.0
Chlorobenzene	Ave	0.9319	0.8432		9.05	10.0	-9.5	30.0
Ethylbenzene	Ave	1.531	1.306		8.53	10.0	-14.7	30.0
n-Nonane	Ave	0.4800	0.4292		8.94	10.0	-10.6	30.0
m,p-Xylene	Ave	0.6082	0.5413		17.8	20.0	-11.0	30.0
Xylene, o-	Ave	0.5681	0.5176		9.11	10.0	-8.9	30.0
Styrene	Ave	0.8118	0.8045		9.91	10.0	-0.9	30.0
Bromoform	Ave	1.150	0.9372		8.15	10.0	-18.5	30.0
Cumene	Ave	1.960	1.672		8.53	10.0	-14.7	30.0
1,1,2,2-Tetrachloroethane	Ave	0.7313	0.6165		8.43	10.0	-15.7	30.0
n-Propylbenzene	Ave	2.240	1.824		8.14	10.0	-18.6	30.0
1,2,3-Trichloropropane	Ave	0.7109	0.5631		7.92	10.0	-20.8	30.0
n-Decane	Ave	0.6930	0.5830		8.41	10.0	-15.9	30.0
4-Ethyltoluene	Ave	2.086	1.745		8.36	10.0	-16.4	30.0
2-Chlorotoluene	Ave	1.783	1.378		7.73	10.0	-22.7	30.0
1,3,5-Trimethylbenzene	Ave	1.747	1.444		8.26	10.0	-17.3	30.0
Alpha Methyl Styrene	Ave	0.7260	0.6903		9.51	10.0	-4.9	30.0
tert-Butylbenzene	Ave	1.767	1.476		8.35	10.0	-16.5	30.0
1,2,4-Trimethylbenzene	Ave	1.743	1.447		8.30	10.0	-17.0	30.0
sec-Butylbenzene	Ave	2.344	1.975		8.43	10.0	-15.7	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-27311-1

SDG No.:

Lab Sample ID: CCVIS 200-86252/2 Calibration Date: 03/31/2015 10:52

Instrument ID: CHC.i Calib Start Date: 12/01/2014 18:06

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 12/01/2014 23:37

Lab File ID: 12884_02.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Isopropyltoluene	Ave	2.264	1.923		8.49	10.0	-15.0	30.0
1,3-Dichlorobenzene	Ave	1.356	1.155		8.52	10.0	-14.8	30.0
1,4-Dichlorobenzene	Ave	1.361	1.157		8.50	10.0	-14.9	30.0
Benzyl chloride	Ave	1.368	1.135		8.29	10.0	-17.1	30.0
n-Butylbenzene	Ave	1.865	1.480		7.93	10.0	-20.7	30.0
n-Undecane	Ave	0.7663	0.6114		7.98	10.0	-20.2	30.0
1,2-Dichlorobenzene	Ave	1.262	1.071		8.49	10.0	-15.1	30.0
n-Dodecane	Ave	0.6955	0.4967		7.14	10.0	-28.6	30.0
1,2,4-Trichlorobenzene	Ave	1.171	0.9150		7.81	10.0	-21.9	30.0
Hexachlorobutadiene	Ave	1.483	1.114		7.51	10.0	-24.9	30.0
Naphthalene	Ave	1.759	1.391		7.91	10.0	-20.9	30.0
1,2,3-Trichlorobenzene	Ave	0.9633	0.7891		8.19	10.0	-18.1	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-27312-1

SDG No.:

Lab Sample ID: ICV 200-85787/19 Calibration Date: 03/20/2015 09:46

Instrument ID: CHX.i Calib Start Date: 03/19/2015 18:34

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 03/20/2015 00:18

Lab File ID: 12677-019.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	0.4444	0.3780		8.50	10.0	-14.9	30.0
Dichlorodifluoromethane	Ave	2.088	1.973		9.45	10.0	-5.5	30.0
Freon 22	Ave	1.012	0.9567		9.45	10.0	-5.5	30.0
1,2-Dichlorotetrafluoroethane	Ave	2.040	2.215		10.9	10.0	8.6	30.0
Chloromethane	Ave	0.5544	0.5121		9.24	10.0	-7.6	30.0
n-Butane	Ave	0.8508	0.7928		9.32	10.0	-6.8	30.0
Vinyl chloride	Ave	0.6616	0.6308		9.53	10.0	-4.6	30.0
1,3-Butadiene	Ave	0.4400	0.4088		9.29	10.0	-7.1	30.0
Bromomethane	Ave	0.5924	0.5903		9.96	10.0	-0.4	30.0
Chloroethane	Ave	0.2695	0.2704		10.0	10.0	0.3	30.0
Isopentane	Ave	0.5053	0.5125		10.1	10.0	1.4	30.0
Bromoethene(Vinyl Bromide)	Ave	0.8814	0.8810		9.99	10.0	-0.0	30.0
Trichlorofluoromethane	Ave	2.253	2.185		9.70	10.0	-3.0	30.0
n-Pentane	Ave	1.025	1.091		10.6	10.0	6.4	30.0
Ethanol	Ave	0.2829	0.2770		14.7	15.0	-2.1	30.0
Ethyl ether	Ave	0.4851	0.5232		10.8	10.0	7.9	30.0
Acrolein	Ave	0.2235	0.2582		11.6	10.0	15.5	30.0
Freon TF	Ave	1.731	1.727		9.98	10.0	-0.2	30.0
1,1-Dichloroethene	Ave	0.8148	0.7949		9.75	10.0	-2.4	30.0
Acetone	Ave	0.9172	1.019		11.1	10.0	11.0	30.0
Carbon disulfide	Ave	2.070	2.348		11.3	10.0	13.4	30.0
Isopropyl alcohol	Ave	0.8608	0.7157		8.31	10.0	-16.9	30.0
3-Chloropropene	Ave	0.7357	0.6776		9.21	10.0	-7.9	30.0
Acetonitrile	Ave	0.4057	0.4209		10.4	10.0	3.7	30.0
Methylene Chloride	Ave	0.7576	0.6982		9.21	10.0	-7.8	30.0
tert-Butyl alcohol	Ave	1.404	1.245		8.87	10.0	-11.3	30.0
Methyl tert-butyl ether	Ave	2.307	2.266		9.82	10.0	-1.8	30.0
trans-1,2-Dichloroethene	Ave	1.068	1.119		10.5	10.0	4.8	30.0
Acrylonitrile	Ave	0.4896	0.5037		10.3	10.0	2.9	30.0
n-Hexane	Ave	1.121	1.137		10.1	10.0	1.4	30.0
1,1-Dichloroethane	Ave	1.410	1.393		9.88	10.0	-1.2	30.0
Vinyl acetate	Ave	1.688	1.645		9.74	10.0	-2.6	30.0
cis-1,2-Dichloroethene	Ave	1.027	1.001		9.74	10.0	-2.5	30.0
Methyl Ethyl Ketone	Ave	0.4906	0.4437		9.04	10.0	-9.5	30.0
Ethyl acetate	Ave	0.0768	0.0829		10.8	10.0	7.9	30.0
Tetrahydrofuran	Ave	0.1418	0.1399		9.87	10.0	-1.3	30.0
Chloroform	Ave	1.938	1.911		9.86	10.0	-1.4	30.0
Cyclohexane	Ave	0.2547	0.2556		10.0	10.0	0.4	30.0
1,1,1-Trichloroethane	Ave	0.3842	0.3828		9.96	10.0	-0.4	30.0
Carbon tetrachloride	Ave	0.4208	0.3949		9.38	10.0	-6.1	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-27312-1

SDG No.:

Lab Sample ID: ICV 200-85787/19 Calibration Date: 03/20/2015 09:46

Instrument ID: CHX.i Calib Start Date: 03/19/2015 18:34

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 03/20/2015 00:18

Lab File ID: 12677-019.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	0.8455	0.8242		9.75	10.0	-2.5	30.0
Benzene	Ave	0.5853	0.5827		9.95	10.0	-0.4	30.0
1,2-Dichloroethane	Ave	0.2200	0.2180		9.91	10.0	-0.9	30.0
n-Heptane	Ave	0.2794	0.2629		9.41	10.0	-5.9	30.0
n-Butanol	Ave	0.1017	0.0941		9.25	10.0	-7.5	30.0
Trichloroethene	Ave	0.2791	0.2773		9.93	10.0	-0.6	30.0
1,2-Dichloropropane	Ave	0.2093	0.2018		9.64	10.0	-3.5	30.0
Methyl methacrylate	Ave	0.2147	0.2129		9.91	10.0	-0.8	30.0
1,4-Dioxane	Ave	0.1033	0.0890		8.61	10.0	-13.9	30.0
Dibromomethane	Ave	0.3211	0.3127		9.74	10.0	-2.6	30.0
Bromodichloromethane	Ave	0.4262	0.4192		9.83	10.0	-1.7	30.0
cis-1,3-Dichloropropene	Ave	0.3346	0.3352		10.0	10.0	0.2	30.0
methyl isobutyl ketone	Ave	0.3806	0.3471		9.12	10.0	-8.8	30.0
Toluene	Ave	0.5053	0.5004		9.90	10.0	-1.0	30.0
n-Octane	Ave	0.4043	0.3845		9.51	10.0	-4.9	30.0
trans-1,3-Dichloropropene	Ave	0.3599	0.3484		9.68	10.0	-3.2	30.0
1,1,2-Trichloroethane	Ave	0.2325	0.2339		10.1	10.0	0.6	30.0
Tetrachloroethene	Ave	0.5079	0.5051		9.94	10.0	-0.6	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.4089	0.3625		8.86	10.0	-11.3	30.0
Dibromochloromethane	Ave	0.5424	0.5383		9.92	10.0	-0.8	30.0
1,2-Dibromoethane	Ave	0.4658	0.4697		10.1	10.0	0.8	30.0
Chlorobenzene	Ave	0.7276	0.7252		9.96	10.0	-0.3	30.0
Ethylbenzene	Ave	1.119	1.098		9.81	10.0	-1.9	30.0
n-Nonane	Ave	0.4613	0.4430		9.60	10.0	-4.0	30.0
m,p-Xylene	Ave	0.4625	0.4585		19.8	20.0	-0.9	30.0
Xylene, o-	Ave	0.4575	0.4471		9.77	10.0	-2.3	30.0
Styrene	Ave	0.7168	0.7171		10.0	10.0	0.0	30.0
Bromoform	Ave	0.5811	0.6064		10.4	10.0	4.3	30.0
Cumene	Ave	1.352	1.315		9.72	10.0	-2.7	30.0
1,1,2,2-Tetrachloroethane	Ave	0.6168	0.6123		9.93	10.0	-0.7	30.0
n-Propylbenzene	Ave	1.555	1.519		9.76	10.0	-2.3	30.0
1,2,3-Trichloropropane	Ave	0.4892	0.4640		9.48	10.0	-5.2	30.0
n-Decane	Ave	0.5977	0.5749		9.62	10.0	-3.8	30.0
4-Ethyltoluene	Ave	1.352	1.371		10.1	10.0	1.4	30.0
2-Chlorotoluene	Ave	1.078	1.056		9.79	10.0	-2.0	30.0
1,3,5-Trimethylbenzene	Ave	1.144	1.126		9.85	10.0	-1.5	30.0
Alpha Methyl Styrene	Ave	0.5901	0.5969		10.1	10.0	1.2	30.0
tert-Butylbenzene	Ave	1.132	1.106		9.77	10.0	-2.3	30.0
1,2,4-Trimethylbenzene	Ave	1.147	1.130		9.85	10.0	-1.5	30.0
sec-Butylbenzene	Ave	1.643	1.604		9.76	10.0	-2.4	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-27312-1

SDG No.:

Lab Sample ID: ICV 200-85787/19 Calibration Date: 03/20/2015 09:46

Instrument ID: CHX.i Calib Start Date: 03/19/2015 18:34

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 03/20/2015 00:18

Lab File ID: 12677-019.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	1.452	1.435		9.88	10.0	-1.2	30.0
1,3-Dichlorobenzene	Ave	0.8560	0.8725		10.2	10.0	1.9	30.0
1,4-Dichlorobenzene	Ave	0.8578	0.8709		10.2	10.0	1.5	30.0
Benzyl chloride	Ave	0.9652	0.9621		9.97	10.0	-0.3	30.0
n-Butylbenzene	Ave	1.195	1.210		10.1	10.0	1.3	30.0
n-Undecane	Ave	0.6286	0.6424		10.2	10.0	2.2	30.0
1,2-Dichlorobenzene	Ave	0.8124	0.8215		10.1	10.0	1.1	30.0
n-Dodecane	Ave	0.5203	0.5662		10.9	10.0	8.8	30.0
1,2,4-Trichlorobenzene	Ave	0.7114	0.7297		10.3	10.0	2.6	30.0
Hexachlorobutadiene	Ave	0.7290	0.7368		10.1	10.0	1.1	30.0
Naphthalene	Ave	1.356	1.300		9.58	10.0	-4.2	30.0
1,2,3-Trichlorobenzene	Ave	0.5808	0.6344		10.9	10.0	9.2	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-27312-1

SDG No.:

Lab Sample ID: CCVIS 200-86250/2 Calibration Date: 03/31/2015 11:10

Instrument ID: CHX.i Calib Start Date: 03/19/2015 18:34

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 03/20/2015 00:18

Lab File ID: 12883-002.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	0.4444	0.4191		9.43	10.0	-5.7	30.0
Dichlorodifluoromethane	Ave	2.088	2.122		10.2	10.0	1.6	30.0
Freon 22	Ave	1.012	1.001		9.89	10.0	-1.1	30.0
1,2-Dichlorotetrafluoroethane	Ave	2.040	2.112		10.4	10.0	3.5	30.0
Chloromethane	Ave	0.5544	0.5418		9.77	10.0	-2.3	30.0
n-Butane	Ave	0.8508	0.7965		9.36	10.0	-6.4	30.0
Vinyl chloride	Ave	0.6616	0.6575		9.94	10.0	-0.6	30.0
1,3-Butadiene	Ave	0.4400	0.4297		9.76	10.0	-2.4	30.0
Bromomethane	Ave	0.5924	0.6170		10.4	10.0	4.2	30.0
Chloroethane	Ave	0.2695	0.2651		9.83	10.0	-1.6	30.0
Isopentane	Ave	0.5053	0.4436		8.78	10.0	-12.2	30.0
Bromoethene(Vinyl Bromide)	Ave	0.8814	0.9331		10.6	10.0	5.9	30.0
Trichlorofluoromethane	Ave	2.253	2.294		10.2	10.0	1.8	30.0
n-Pentane	Ave	1.025	0.9651		9.42	10.0	-5.8	30.0
Ethanol	Ave	0.2829	0.2755		14.6	15.0	-2.6	30.0
Ethyl ether	Ave	0.4851	0.4830		9.96	10.0	-0.4	30.0
Acrolein	Ave	0.2235	0.2184		9.77	10.0	-2.3	30.0
Freon TF	Ave	1.731	1.773		10.2	10.0	2.5	30.0
1,1-Dichloroethene	Ave	0.8148	0.8328		10.2	10.0	2.2	30.0
Acetone	Ave	0.9172	0.8453		9.21	10.0	-7.8	30.0
Carbon disulfide	Ave	2.070	2.093		10.1	10.0	1.1	30.0
Isopropyl alcohol	Ave	0.8608	0.9334		10.8	10.0	8.4	30.0
3-Chloropropene	Ave	0.7357	0.6215		8.45	10.0	-15.5	30.0
Acetonitrile	Ave	0.4057	0.3938		9.70	10.0	-2.9	30.0
Methylene Chloride	Ave	0.7576	0.6805		8.98	10.0	-10.2	30.0
tert-Butyl alcohol	Ave	1.404	1.488		10.6	10.0	6.0	30.0
Methyl tert-butyl ether	Ave	2.307	2.257		9.78	10.0	-2.1	30.0
trans-1,2-Dichloroethene	Ave	1.068	1.035		9.69	10.0	-3.1	30.0
Acrylonitrile	Ave	0.4896	0.4788		9.78	10.0	-2.2	30.0
n-Hexane	Ave	1.121	1.034		9.22	10.0	-7.8	30.0
1,1-Dichloroethane	Ave	1.410	1.365		9.68	10.0	-3.1	30.0
Vinyl acetate	Ave	1.688	1.584		9.38	10.0	-6.2	30.0
cis-1,2-Dichloroethene	Ave	1.027	1.031		10.0	10.0	0.4	30.0
Methyl Ethyl Ketone	Ave	0.4906	0.4382		8.93	10.0	-10.7	30.0
Ethyl acetate	Ave	0.0768	0.0768		10.0	10.0	-0.0	30.0
Tetrahydrofuran	Ave	0.1418	0.1395		9.84	10.0	-1.6	30.0
Chloroform	Ave	1.938	1.892		9.76	10.0	-2.4	30.0
Cyclohexane	Ave	0.2547	0.2543		9.98	10.0	-0.2	30.0
1,1,1-Trichloroethane	Ave	0.3842	0.3914		10.2	10.0	1.9	30.0
Carbon tetrachloride	Ave	0.4208	0.4345		10.3	10.0	3.3	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-27312-1

SDG No.:

Lab Sample ID: CCVIS 200-86250/2 Calibration Date: 03/31/2015 11:10

Instrument ID: CHX.i Calib Start Date: 03/19/2015 18:34

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 03/20/2015 00:18

Lab File ID: 12883-002.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	0.8455	0.8010		9.47	10.0	-5.3	30.0
Benzene	Ave	0.5853	0.5827		9.95	10.0	-0.5	30.0
1,2-Dichloroethane	Ave	0.2200	0.2127		9.67	10.0	-3.3	30.0
n-Heptane	Ave	0.2794	0.2483		8.88	10.0	-11.1	30.0
n-Butanol	Ave	0.1017	0.1022		10.0	10.0	0.4	30.0
Trichloroethene	Ave	0.2791	0.2735		9.80	10.0	-2.0	30.0
1,2-Dichloropropane	Ave	0.2093	0.1896		9.06	10.0	-9.4	30.0
Methyl methacrylate	Ave	0.2147	0.1934		9.01	10.0	-9.9	30.0
1,4-Dioxane	Ave	0.1033	0.1148		11.1	10.0	11.1	30.0
Dibromomethane	Ave	0.3211	0.3199		9.96	10.0	-0.4	30.0
Bromodichloromethane	Ave	0.4262	0.4110		9.64	10.0	-3.6	30.0
cis-1,3-Dichloropropene	Ave	0.3346	0.3111		9.30	10.0	-7.0	30.0
methyl isobutyl ketone	Ave	0.3806	0.3323		8.73	10.0	-12.7	30.0
Toluene	Ave	0.5053	0.4926		9.75	10.0	-2.5	30.0
n-Octane	Ave	0.4043	0.3526		8.72	10.0	-12.8	30.0
trans-1,3-Dichloropropene	Ave	0.3599	0.3215		8.93	10.0	-10.7	30.0
1,1,2-Trichloroethane	Ave	0.2325	0.2286		9.83	10.0	-1.7	30.0
Tetrachloroethene	Ave	0.5079	0.5085		10.0	10.0	0.1	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.4089	0.3604		8.81	10.0	-11.8	30.0
Dibromochloromethane	Ave	0.5424	0.5459		10.1	10.0	0.6	30.0
1,2-Dibromoethane	Ave	0.4658	0.4704		10.1	10.0	1.0	30.0
Chlorobenzene	Ave	0.7276	0.7131		9.80	10.0	-2.0	30.0
Ethylbenzene	Ave	1.119	1.098		9.81	10.0	-1.8	30.0
n-Nonane	Ave	0.4613	0.4197		9.09	10.0	-9.0	30.0
m,p-Xylene	Ave	0.4625	0.4611		19.9	20.0	-0.3	30.0
Xylene, o-	Ave	0.4575	0.4494		9.82	10.0	-1.8	30.0
Styrene	Ave	0.7168	0.7161		9.99	10.0	-0.1	30.0
Bromoform	Ave	0.5811	0.5950		10.2	10.0	2.4	30.0
Cumene	Ave	1.352	1.328		9.81	10.0	-1.8	30.0
1,1,2,2-Tetrachloroethane	Ave	0.6168	0.6021		9.76	10.0	-2.4	30.0
n-Propylbenzene	Ave	1.555	1.551		9.97	10.0	-0.3	30.0
1,2,3-Trichloropropane	Ave	0.4892	0.4647		9.50	10.0	-5.0	30.0
n-Decane	Ave	0.5977	0.5606		9.38	10.0	-6.2	30.0
4-Ethyltoluene	Ave	1.352	1.374		10.2	10.0	1.6	30.0
2-Chlorotoluene	Ave	1.078	1.084		10.1	10.0	0.6	30.0
1,3,5-Trimethylbenzene	Ave	1.144	1.145		10.0	10.0	0.1	30.0
Alpha Methyl Styrene	Ave	0.5901	0.5951		10.1	10.0	0.8	30.0
tert-Butylbenzene	Ave	1.132	1.126		9.95	10.0	-0.5	30.0
1,2,4-Trimethylbenzene	Ave	1.147	1.162		10.1	10.0	1.3	30.0
sec-Butylbenzene	Ave	1.643	1.659		10.1	10.0	0.9	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-27312-1

SDG No.:

Lab Sample ID: CCVIS 200-86250/2 Calibration Date: 03/31/2015 11:10

Instrument ID: CHX.i Calib Start Date: 03/19/2015 18:34

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 03/20/2015 00:18

Lab File ID: 12883-002.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	1.452	1.472		10.1	10.0	1.4	30.0
1,3-Dichlorobenzene	Ave	0.8560	0.8970		10.5	10.0	4.8	30.0
1,4-Dichlorobenzene	Ave	0.8578	0.8992		10.5	10.0	4.8	30.0
Benzyl chloride	Ave	0.9652	0.9552		9.89	10.0	-1.0	30.0
n-Undecane	Ave	0.6286	0.6289		10.0	10.0	0.0	30.0
n-Butylbenzene	Ave	1.195	1.268		10.6	10.0	6.1	30.0
1,2-Dichlorobenzene	Ave	0.8124	0.8424		10.4	10.0	3.7	30.0
n-Dodecane	Ave	0.5203	0.5535		10.6	10.0	6.4	30.0
1,2,4-Trichlorobenzene	Ave	0.7114	0.7828		11.0	10.0	10.0	30.0
Hexachlorobutadiene	Ave	0.7290	0.7668		10.5	10.0	5.2	30.0
Naphthalene	Ave	1.356	1.492		11.0	10.0	10.0	30.0
1,2,3-Trichlorobenzene	Ave	0.5808	0.7022		12.1	10.0	20.9	30.0

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-27201-1

SDG No.:

Instrument ID: CHC.i Start Date: 12/01/2014 16:37

Analysis Batch Number: 81448 End Date: 12/02/2014 15:59

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-81448/1		12/01/2014 16:37	1	10870_01.D	RTX-624 0.32(mm)
VIBLK 200-81448/2		12/01/2014 17:19	1		RTX-624 0.32(mm)
IC 200-81448/3		12/01/2014 18:06	1	10870_03.D	RTX-624 0.32(mm)
IC 200-81448/4		12/01/2014 18:53	1	10870_04.D	RTX-624 0.32(mm)
IC 200-81448/5		12/01/2014 19:40	1	10870_05.D	RTX-624 0.32(mm)
IC 200-81448/6		12/01/2014 20:27	1	10870_06.D	RTX-624 0.32(mm)
ICIS 200-81448/7		12/01/2014 21:15	1	10870_07.D	RTX-624 0.32(mm)
IC 200-81448/8		12/01/2014 22:02	1	10870_08.D	RTX-624 0.32(mm)
IC 200-81448/9		12/01/2014 22:49	1	10870_09.D	RTX-624 0.32(mm)
IC 200-81448/10		12/01/2014 23:37	1	10870_10.D	RTX-624 0.32(mm)
VIBLK 200-81448/11		12/02/2014 00:24	1		RTX-624 0.32(mm)
VIBLK 200-81448/12		12/02/2014 01:11	1		RTX-624 0.32(mm)
ICV 200-81448/13		12/02/2014 01:58	1		RTX-624 0.32(mm)
ZZZZZ		12/02/2014 02:45	1		RTX-624 0.32(mm)
ZZZZZ		12/02/2014 03:32	1		RTX-624 0.32(mm)
VIBLK 200-81448/16		12/02/2014 09:49	1		RTX-624 0.32(mm)
VIBLK 200-81448/17		12/02/2014 10:36	1		RTX-624 0.32(mm)
VIBLK 200-81448/18		12/02/2014 11:19	1		RTX-624 0.32(mm)
VIBLK 200-81448/19		12/02/2014 12:06	1		RTX-624 0.32(mm)
VIBLK 200-81448/20		12/02/2014 12:51	1		RTX-624 0.32(mm)
VIBLK 200-81448/21		12/02/2014 13:38	1		RTX-624 0.32(mm)
VIBLK 200-81448/22		12/02/2014 14:25	1		RTX-624 0.32(mm)
ICV 200-81448/23		12/02/2014 15:13	1	10870_23.D	RTX-624 0.32(mm)
ZZZZZ		12/02/2014 15:59	1		RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-27201-1

SDG No.:

Instrument ID: CHC.i Start Date: 03/25/2015 11:14

Analysis Batch Number: 86038 End Date: 03/26/2015 07:14

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-86038/1		03/25/2015 11:14	1	12780_01.D	RTX-624 0.32(mm)
CCVIS 200-86038/2		03/25/2015 12:00	1	12780_02.D	RTX-624 0.32(mm)
LCS 200-86038/3		03/25/2015 12:47	1	12780_03.D	RTX-624 0.32(mm)
MB 200-86038/4		03/25/2015 13:34	1	12780_04.D	RTX-624 0.32(mm)
ZZZZZ		03/25/2015 14:33	0.2		RTX-624 0.32(mm)
ZZZZZ		03/25/2015 15:32	0.2		RTX-624 0.32(mm)
ZZZZZ		03/25/2015 16:31	0.2		RTX-624 0.32(mm)
ZZZZZ		03/25/2015 17:30	0.2		RTX-624 0.32(mm)
ZZZZZ		03/25/2015 18:29	0.2		RTX-624 0.32(mm)
ZZZZZ		03/25/2015 19:27	0.2		RTX-624 0.32(mm)
200-27201-9	4557	03/25/2015 20:26	0.2	12780_11.D	RTX-624 0.32(mm)
ZZZZZ		03/25/2015 21:25	0.2		RTX-624 0.32(mm)
ZZZZZ		03/25/2015 22:24	0.2		RTX-624 0.32(mm)
ZZZZZ		03/25/2015 23:23	0.2		RTX-624 0.32(mm)
ZZZZZ		03/26/2015 00:22	0.2		RTX-624 0.32(mm)
ZZZZZ		03/26/2015 01:21	0.2		RTX-624 0.32(mm)
ZZZZZ		03/26/2015 02:19	0.2		RTX-624 0.32(mm)
ZZZZZ		03/26/2015 03:18	0.2		RTX-624 0.32(mm)
ZZZZZ		03/26/2015 04:17	0.2		RTX-624 0.32(mm)
ZZZZZ		03/26/2015 05:16	0.2		RTX-624 0.32(mm)
ZZZZZ		03/26/2015 06:15	0.2		RTX-624 0.32(mm)
ZZZZZ		03/26/2015 07:14	0.2		RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-27201-1

SDG No.:

Instrument ID: CHB.i Start Date: 03/09/2015 21:41

Analysis Batch Number: 85319 End Date: 03/10/2015 12:25

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-85319/1		03/09/2015 21:41	1	12475_01.D	RTX-624 0.32(mm)
VIBLK 200-85319/2		03/09/2015 22:30	1		RTX-624 0.32(mm)
VIBLK 200-85319/3		03/09/2015 23:23	1		RTX-624 0.32(mm)
IC 200-85319/4		03/10/2015 00:15	1	12475_04.D	RTX-624 0.32(mm)
IC 200-85319/5		03/10/2015 01:07	1	12475_05.D	RTX-624 0.32(mm)
ZZZZZ		03/10/2015 01:59	1		RTX-624 0.32(mm)
ZZZZZ		03/10/2015 02:51	1		RTX-624 0.32(mm)
ICIS 200-85319/8		03/10/2015 03:44	1	12475_08.D	RTX-624 0.32(mm)
IC 200-85319/9		03/10/2015 04:36	1	12475_09.D	RTX-624 0.32(mm)
IC 200-85319/10		03/10/2015 05:28	1	12475_10.D	RTX-624 0.32(mm)
VIBLK 200-85319/11		03/10/2015 06:20	1		RTX-624 0.32(mm)
VIBLK 200-85319/12		03/10/2015 07:12	1		RTX-624 0.32(mm)
IC 200-85319/13		03/10/2015 08:04	1	12475_13.D	RTX-624 0.32(mm)
VIBLK 200-85319/14		03/10/2015 08:56	1		RTX-624 0.32(mm)
IC 200-85319/15		03/10/2015 09:49	1	12475_15.D	RTX-624 0.32(mm)
ZZZZZ		03/10/2015 10:42	1		RTX-624 0.32(mm)
IC 200-85319/17		03/10/2015 11:32	1	12475_17.D	RTX-624 0.32(mm)
ICV 200-85319/18		03/10/2015 12:25	1	12475_18.D	RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-27201-1

SDG No.:

Instrument ID: CHB.i Start Date: 03/24/2015 13:07

Analysis Batch Number: 86009 End Date: 03/25/2015 09:00

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-86009/1		03/24/2015 13:07	1	12762_01.D	RTX-624 0.32(mm)
CCVIS 200-86009/2		03/24/2015 13:56	1	12762_02.D	RTX-624 0.32(mm)
MB 200-86009/4		03/24/2015 15:40	1	12762_04.D	RTX-624 0.32(mm)
LCS 200-86009/5		03/24/2015 16:32	1	12762_05.D	RTX-624 0.32(mm)
LCS 200-86009/6		03/24/2015 17:24	1	12762_06.D	RTX-624 0.32(mm)
LCS 200-86009/7		03/24/2015 18:16	1	12762_07.D	RTX-624 0.32(mm)
200-27201-9	4557	03/24/2015 19:08	0.4	12762_08.D	RTX-624 0.32(mm)
ZZZZZ		03/24/2015 20:00	1		RTX-624 0.32(mm)
ZZZZZ		03/24/2015 20:52	1		RTX-624 0.32(mm)
ZZZZZ		03/24/2015 21:43	1		RTX-624 0.32(mm)
ZZZZZ		03/24/2015 22:35	2		RTX-624 0.32(mm)
ZZZZZ		03/24/2015 23:27	1		RTX-624 0.32(mm)
ZZZZZ		03/25/2015 00:19	1		RTX-624 0.32(mm)
ZZZZZ		03/25/2015 01:12	1		RTX-624 0.32(mm)
ZZZZZ		03/25/2015 02:03	1		RTX-624 0.32(mm)
ZZZZZ		03/25/2015 02:55	1		RTX-624 0.32(mm)
ZZZZZ		03/25/2015 03:47	1		RTX-624 0.32(mm)
ZZZZZ		03/25/2015 04:39	1		RTX-624 0.32(mm)
VIBLK 200-86009/20		03/25/2015 05:31	1		RTX-624 0.32(mm)
CCVC 200-86009/21		03/25/2015 08:07	1		RTX-624 0.32(mm)
CCVC 200-86009/22		03/25/2015 09:00	1	12762_22.D	RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-27310-1

SDG No.:

Instrument ID: CHC.i Start Date: 12/01/2014 16:37

Analysis Batch Number: 81448 End Date: 12/02/2014 15:59

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-81448/1		12/01/2014 16:37	1	10870_01.D	RTX-624 0.32(mm)
VIBLK 200-81448/2		12/01/2014 17:19	1		RTX-624 0.32(mm)
IC 200-81448/3		12/01/2014 18:06	1	10870_03.D	RTX-624 0.32(mm)
IC 200-81448/4		12/01/2014 18:53	1	10870_04.D	RTX-624 0.32(mm)
IC 200-81448/5		12/01/2014 19:40	1	10870_05.D	RTX-624 0.32(mm)
IC 200-81448/6		12/01/2014 20:27	1	10870_06.D	RTX-624 0.32(mm)
ICIS 200-81448/7		12/01/2014 21:15	1	10870_07.D	RTX-624 0.32(mm)
IC 200-81448/8		12/01/2014 22:02	1	10870_08.D	RTX-624 0.32(mm)
IC 200-81448/9		12/01/2014 22:49	1	10870_09.D	RTX-624 0.32(mm)
IC 200-81448/10		12/01/2014 23:37	1	10870_10.D	RTX-624 0.32(mm)
VIBLK 200-81448/11		12/02/2014 00:24	1		RTX-624 0.32(mm)
VIBLK 200-81448/12		12/02/2014 01:11	1		RTX-624 0.32(mm)
ICV 200-81448/13		12/02/2014 01:58	1		RTX-624 0.32(mm)
ZZZZZ		12/02/2014 02:45	1		RTX-624 0.32(mm)
ZZZZZ		12/02/2014 03:32	1		RTX-624 0.32(mm)
VIBLK 200-81448/16		12/02/2014 09:49	1		RTX-624 0.32(mm)
VIBLK 200-81448/17		12/02/2014 10:36	1		RTX-624 0.32(mm)
VIBLK 200-81448/18		12/02/2014 11:19	1		RTX-624 0.32(mm)
VIBLK 200-81448/19		12/02/2014 12:06	1		RTX-624 0.32(mm)
VIBLK 200-81448/20		12/02/2014 12:51	1		RTX-624 0.32(mm)
VIBLK 200-81448/21		12/02/2014 13:38	1		RTX-624 0.32(mm)
VIBLK 200-81448/22		12/02/2014 14:25	1		RTX-624 0.32(mm)
ICV 200-81448/23		12/02/2014 15:13	1	10870_23.D	RTX-624 0.32(mm)
ZZZZZ		12/02/2014 15:59	1		RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-27310-1

SDG No.:

Instrument ID: CHC.i Start Date: 03/31/2015 10:07

Analysis Batch Number: 86252 End Date: 03/31/2015 22:20

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-86252/1		03/31/2015 10:07	1	12884_01.D	RTX-624 0.32(mm)
CCVIS 200-86252/2		03/31/2015 10:52	1	12884_02.D	RTX-624 0.32(mm)
LCS 200-86252/3		03/31/2015 11:40	1	12884_03.D	RTX-624 0.32(mm)
MB 200-86252/4		03/31/2015 12:27	1	12884_04.D	RTX-624 0.32(mm)
ZZZZZ		03/31/2015 13:14	15		RTX-624 0.32(mm)
ZZZZZ		03/31/2015 14:02	15.1		RTX-624 0.32(mm)
ZZZZZ		03/31/2015 14:49	15		RTX-624 0.32(mm)
ZZZZZ		03/31/2015 15:36	14.9		RTX-624 0.32(mm)
ZZZZZ		03/31/2015 16:24	5		RTX-624 0.32(mm)
ZZZZZ		03/31/2015 17:12	1		RTX-624 0.32(mm)
ZZZZZ		03/31/2015 18:11	0.2		RTX-624 0.32(mm)
200-27310-11	4478	03/31/2015 19:10	0.2	12884_12.D	RTX-624 0.32(mm)
ZZZZZ		03/31/2015 19:57	1		RTX-624 0.32(mm)
ZZZZZ		03/31/2015 20:45	1		RTX-624 0.32(mm)
ZZZZZ		03/31/2015 21:32	1		RTX-624 0.32(mm)
ZZZZZ		03/31/2015 22:20	1		RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-27311-1

SDG No.:

Instrument ID: CHC.i Start Date: 12/01/2014 16:37

Analysis Batch Number: 81448 End Date: 12/02/2014 15:59

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-81448/1		12/01/2014 16:37	1	10870_01.D	RTX-624 0.32(mm)
VIBLK 200-81448/2		12/01/2014 17:19	1		RTX-624 0.32(mm)
IC 200-81448/3		12/01/2014 18:06	1	10870_03.D	RTX-624 0.32(mm)
IC 200-81448/4		12/01/2014 18:53	1	10870_04.D	RTX-624 0.32(mm)
IC 200-81448/5		12/01/2014 19:40	1	10870_05.D	RTX-624 0.32(mm)
IC 200-81448/6		12/01/2014 20:27	1	10870_06.D	RTX-624 0.32(mm)
ICIS 200-81448/7		12/01/2014 21:15	1	10870_07.D	RTX-624 0.32(mm)
IC 200-81448/8		12/01/2014 22:02	1	10870_08.D	RTX-624 0.32(mm)
IC 200-81448/9		12/01/2014 22:49	1	10870_09.D	RTX-624 0.32(mm)
IC 200-81448/10		12/01/2014 23:37	1	10870_10.D	RTX-624 0.32(mm)
VIBLK 200-81448/11		12/02/2014 00:24	1		RTX-624 0.32(mm)
VIBLK 200-81448/12		12/02/2014 01:11	1		RTX-624 0.32(mm)
ICV 200-81448/13		12/02/2014 01:58	1		RTX-624 0.32(mm)
ZZZZZ		12/02/2014 02:45	1		RTX-624 0.32(mm)
ZZZZZ		12/02/2014 03:32	1		RTX-624 0.32(mm)
VIBLK 200-81448/16		12/02/2014 09:49	1		RTX-624 0.32(mm)
VIBLK 200-81448/17		12/02/2014 10:36	1		RTX-624 0.32(mm)
VIBLK 200-81448/18		12/02/2014 11:19	1		RTX-624 0.32(mm)
VIBLK 200-81448/19		12/02/2014 12:06	1		RTX-624 0.32(mm)
VIBLK 200-81448/20		12/02/2014 12:51	1		RTX-624 0.32(mm)
VIBLK 200-81448/21		12/02/2014 13:38	1		RTX-624 0.32(mm)
VIBLK 200-81448/22		12/02/2014 14:25	1		RTX-624 0.32(mm)
ICV 200-81448/23		12/02/2014 15:13	1	10870_23.D	RTX-624 0.32(mm)
ZZZZZ		12/02/2014 15:59	1		RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-27311-1

SDG No.:

Instrument ID: CHC.i Start Date: 03/31/2015 10:07

Analysis Batch Number: 86252 End Date: 03/31/2015 22:20

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-86252/1		03/31/2015 10:07	1	12884_01.D	RTX-624 0.32(mm)
CCVIS 200-86252/2		03/31/2015 10:52	1	12884_02.D	RTX-624 0.32(mm)
LCS 200-86252/3		03/31/2015 11:40	1	12884_03.D	RTX-624 0.32(mm)
MB 200-86252/4		03/31/2015 12:27	1	12884_04.D	RTX-624 0.32(mm)
ZZZZZ		03/31/2015 13:14	15		RTX-624 0.32(mm)
ZZZZZ		03/31/2015 14:02	15.1		RTX-624 0.32(mm)
ZZZZZ		03/31/2015 14:49	15		RTX-624 0.32(mm)
ZZZZZ		03/31/2015 15:36	14.9		RTX-624 0.32(mm)
ZZZZZ		03/31/2015 16:24	5		RTX-624 0.32(mm)
ZZZZZ		03/31/2015 17:12	1		RTX-624 0.32(mm)
200-27311-7	3517	03/31/2015 18:11	0.2	12884_11.D	RTX-624 0.32(mm)
ZZZZZ		03/31/2015 19:10	0.2		RTX-624 0.32(mm)
ZZZZZ		03/31/2015 19:57	1		RTX-624 0.32(mm)
ZZZZZ		03/31/2015 20:45	1		RTX-624 0.32(mm)
ZZZZZ		03/31/2015 21:32	1		RTX-624 0.32(mm)
ZZZZZ		03/31/2015 22:20	1		RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-27312-1

SDG No.:

Instrument ID: CHX.i Start Date: 03/19/2015 16:11

Analysis Batch Number: 85787 End Date: 03/20/2015 10:29

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-85787/1		03/19/2015 16:11	1	12677-001.D	RTX-624 0.32(mm)
VIBLK 200-85787/2		03/19/2015 16:56	1		RTX-624 0.32(mm)
VIBLK 200-85787/3		03/19/2015 17:45	1		RTX-624 0.32(mm)
IC 200-85787/4		03/19/2015 18:34	1	12677-004.D	RTX-624 0.32(mm)
IC 200-85787/5		03/19/2015 19:23	1	12677-005.D	RTX-624 0.32(mm)
IC 200-85787/6		03/19/2015 20:12	1	12677-006.D	RTX-624 0.32(mm)
IC 200-85787/7		03/19/2015 21:01	1	12677-007.D	RTX-624 0.32(mm)
ICIS 200-85787/8		03/19/2015 21:50	1	12677-008.D	RTX-624 0.32(mm)
IC 200-85787/9		03/19/2015 22:39	1	12677-009.D	RTX-624 0.32(mm)
IC 200-85787/10		03/19/2015 23:28	1	12677-010.D	RTX-624 0.32(mm)
IC 200-85787/11		03/20/2015 00:18	1	12677-011.D	RTX-624 0.32(mm)
VIBLK 200-85787/12		03/20/2015 01:07	1		RTX-624 0.32(mm)
VIBLK 200-85787/13		03/20/2015 01:57	1		RTX-624 0.32(mm)
VIBLK 200-85787/14		03/20/2015 02:45	1		RTX-624 0.32(mm)
ZZZZZ		03/20/2015 03:34	1		RTX-624 0.32(mm)
VIBLK 200-85787/16		03/20/2015 04:24	1		RTX-624 0.32(mm)
ZZZZZ		03/20/2015 05:13	1		RTX-624 0.32(mm)
ZZZZZ		03/20/2015 06:02	1		RTX-624 0.32(mm)
ICV 200-85787/19		03/20/2015 09:46	1	12677-019.D	RTX-624 0.32(mm)
ZZZZZ		03/20/2015 10:29	1		RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-27312-1

SDG No.:

Instrument ID: CHX.i Start Date: 03/31/2015 10:24

Analysis Batch Number: 86250 End Date: 04/01/2015 09:32

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-86250/1		03/31/2015 10:24	1	12883-001.D	RTX-624 0.32(mm)
CCVIS 200-86250/2		03/31/2015 11:10	1	12883-002.D	RTX-624 0.32(mm)
LCS 200-86250/3		03/31/2015 11:59	1	12883-003.D	RTX-624 0.32(mm)
MB 200-86250/4		03/31/2015 12:49	1	12883-004.D	RTX-624 0.32(mm)
ZZZZZ		03/31/2015 13:41	1		RTX-624 0.32(mm)
ZZZZZ		03/31/2015 14:30	280		RTX-624 0.32(mm)
ZZZZZ		03/31/2015 15:18	1400		RTX-624 0.32(mm)
ZZZZZ		03/31/2015 16:07	9.89		RTX-624 0.32(mm)
ZZZZZ		03/31/2015 16:56	20.2		RTX-624 0.32(mm)
ZZZZZ		03/31/2015 17:45	195		RTX-624 0.32(mm)
ZZZZZ		03/31/2015 18:34	974		RTX-624 0.32(mm)
ZZZZZ		03/31/2015 19:23	10		RTX-624 0.32(mm)
ZZZZZ		03/31/2015 20:12	367		RTX-624 0.32(mm)
ZZZZZ		03/31/2015 21:01	1840		RTX-624 0.32(mm)
ZZZZZ		03/31/2015 21:50	320		RTX-624 0.32(mm)
ZZZZZ		03/31/2015 22:39	1600		RTX-624 0.32(mm)
ZZZZZ		03/31/2015 23:28	1		RTX-624 0.32(mm)
ZZZZZ		04/01/2015 00:17	1		RTX-624 0.32(mm)
ZZZZZ		04/01/2015 01:06	1		RTX-624 0.32(mm)
ZZZZZ		04/01/2015 01:55	1		RTX-624 0.32(mm)
ZZZZZ		04/01/2015 02:44	1		RTX-624 0.32(mm)
ZZZZZ		04/01/2015 03:33	10		RTX-624 0.32(mm)
ZZZZZ		04/01/2015 04:22	10		RTX-624 0.32(mm)
ZZZZZ		04/01/2015 05:11	10		RTX-624 0.32(mm)
ZZZZZ		04/01/2015 05:59	10		RTX-624 0.32(mm)
ZZZZZ		04/01/2015 06:56	0.2		RTX-624 0.32(mm)
200-27312-6	3283	04/01/2015 07:54	0.2	12883-027.D	RTX-624 0.32(mm)
ZZZZZ		04/01/2015 08:43	1		RTX-624 0.32(mm)
ZZZZZ		04/01/2015 09:32	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 B101 Sampler Name: Daniel Baldyga	Send Results to: Daniel Baldyga FPM Remediations Inc 584 Phoenix Dr Rome, NY 13441 Phone: (315) 336-7721 Ext 207
Carrier: Fedex	Sampler Signature:	

Analyses Requested

Field Sample ID	Location ID (LOCID)	Date 2015	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
101VMP0101GA	101VMP-1	4/23	1135	GS	AC	0/0	N	-28	-4	1	1	1	Can#~~5039~~ 5132 reg#~~5371~~ 4630
101VMP0201GA	101VMP-2	4/23	1150	GS	AC	0/0	N	-26	-3	1	1	1	Can#3639 reg#4626
101VMP0301GA	101VMP-3	4/23	1130	GS	AC	0/0	N	-28	-5	1	1	1	Can#4800 reg#4978
101VMP0101GC	101VMP-1	4/23	1135	GS	AC	0/0	FD	-30	-4	1	1	1	Can#~~4630~~ 5031 reg#~~5132~~ 5371
101IA0305GA	101IA-03(BADrP)	4/23	1115	GS	AC	0/0	N	-27	-3	1	1	1	Can#3589 reg#4768
101IA0405GA	101IA-04(BADP)	4/23	1110	GS	AC	0/0	N	-29	-4	1	1	1	Can#4866 reg#4048
101OA0305GA	101OA-03	4/23	1120	GS	AC	0/0	N	-30	0	1	1	1	Can#4455 reg#4758
101CA01GA	101 SVE Influent	4/22	0930	GS	AC	0/0	N	NA	NA	1	1	1	Can#4075
042215TB	Trip Blank	4/22	0900	GS	AC	0/0	TB	NA	NA	1	1	1	Can#5896

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.

200-27725 Chain of Custody

4/27/2015 DB

#1 Released by: (Sig)	Date:	#2 Released by: (Sig)	Date: ~~4/24/2015~~	#3 Released by: (Sig)	Date:
Company Name:	Time:	Company Name: FPM Remediations Inc	Time: 1700	Company Name:	Time:
#1 Received by: (Sig)	Date: 4/20/2015	#2 Received by: (Sig)	Date: 4/28/15	#3 Received by: (Sig)	Date:
Company Name: FPM Remediations Inc	Time: 1030	Company Name: TABTV	Time: 1015	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

SACODE
N = Normal Sample
AB = Ambient Blank
TB = Trip Blank
EB = Equipment Blank
FD = Field Duplicate

From: (315) 336-7721
FPM Remediations, Inc.
584 Phoenix Dr
Rome, NY 13441

Origin ID: UCAA

FedEx Express

J151215022303uv

Ship Date: 27APR15
ActWgt: 1.0 LB
CAD: 102601606/INET3610

Delivery Address Bar Code

Ref # Griffiss AFB
Invoice #
PO #
Dept #

SHIP TO: (802) 923-1027
BILL RECIPIENT
Kathryn Kelly
TEST AMERICA BURLINGTON
30 COMMUNITY DR STE 11

SOUTH BURLINGTON, VT 05403

1 of 3

TRK# 7734 6550 4929
0201

TUE - 28 APR AA
STANDARD OVERNIGHT

MASTER

EK BTVA

05403
VT-US
BTV

537J1/25E2/EE4B

After printing this label:

From: (315) 336-7721
FPM Remediations, Inc.
584 Phoenix Dr
Rome, NY 13441

Origin ID: UCAA

FedEx Express

J151215022303uv

Ship Date: 27APR15
ActWgt: 1.0 LB
CAD: 102601606/INET3610

Delivery Address Bar Code

Ref # Griffiss AFB
Invoice #
PO #
Dept #

SHIP TO: (802) 923-1027
BILL RECIPIENT
Kathryn Kelly
TEST AMERICA BURLINGTON
30 COMMUNITY DR STE 11

SOUTH BURLINGTON, VT 05403

2 of 3

MPS# 7734 6550 5281
0263

TUE - 28 APR AA
STANDARD OVERNIGHT

Mstr# 7734 6550 4929
0201

EK BTVA

05403
VT-US
BTV

From: (315) 336-7721
FPM Remediations, Inc.

584 Phoenix Dr

Rome, NY 13441

Origin ID: UCAA

FedEx Express

J151215022303uv

Ship Date: 27APR15
ActWgt: 1.0 LB
CAD: 102601606/INET3610

Delivery Address Bar Code

SHIP TO: (802) 923-1027 BILL RECIPIENT

Kathryn Kelly
TEST AMERICA BURLINGTON
30 COMMUNITY DR STE 11

SOUTH BURLINGTON, VT 05403

Ref # Griffiss AFB
Invoice #
PO #
Dept #

3 of 3

TUE - 28 APR AA
STANDARD OVERNIGHT

MPS# 7734 6550 5031
0263

Mstr# 7734 6550 4929 0201

EK BTVA

05403
VT-US
BTV

Login Sample Receipt Checklist

Client: FPM Remediations Inc

Job Number: 200-27725-1

Login Number: 27725

List Source: TestAmerica Burlington

List Number: 1

Creator: Goodrich, Kenneth L

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	True	721585, 586, 587
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.	N/A	Thermal preservation not required.
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	False	Refer to Job Narrative for details.
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Appendix E
Validated Laboratory Data

FPM GROUP, LTD.
Data Verification and Usability Report
GRIFFISS AIR FORCE BASE
GRIFFISS LTM SAMPLING
Site Griffiss AFB Building 101 Sampling
Soil Vapor Sampling

Contract No. FA8903-10-D-8595
FPM Project No. 1015-11-01

TestAmerica Job # 200-27725-1

Laboratory:	TestAmerica, Inc.
Sample Matrix:	Soil Vapor
Number of Samples:	9
Analytical Protocol:	DOD QSM, version 4.2, as per project-specific UFP QAPP
Data Reviewer:	Connie van Hoesel
Sample Date:	April 23, 2015

LIST OF DATA VERIFICATION SAMPLES

This verification report pertains to the following environmental samples and corresponding QC samples:

Sample ID	Date	Sample ID	Date
101VMP0101GA	4/23/15	101VMP0101GC	4/23/15
101VMP0201GA	4/23/15		
101VMP0301GA	4/23/15		
101IA0305GA	4/23/15		
101IA0405GA	4/23/15		
101OA0305GA	4/23/15		
101CA01GA	4/22/15	042215TB	4/22/15

Notes:

Refer to attached chain-of-custody for detailed sampling information and sample specific analyses requested.
GA – Primary environmental samples
GC – Field duplicate sample
TB – Trip blank

DELIVERABLES

The data deliverable report was per requirements of the DOD QSM, version 4.2, as specified in the project-specific QAPP. The report consisted of the following major sections: lab attachment letter, case narrative, chain-of-custody, lab qualifier definitions, analytical results (sheet 2) based on analytical batch, calibration summaries, method blank summaries, laboratory control sample summaries, matrix spike/matrix spike duplicate summaries, holding time forms, performance checks, surrogate and internal standard recoveries, as applicable.

ANALYTICAL METHODS

The analytical test methods and QA/QC requirements used for the sample analyses were per methods as specified in the DOD QSM, version 4.2, with project-specific modifications as listed in the project-specific QAPP. The analytical methods employed included the EPA Compendium Methods for toxic organics: Volatile Organic Compounds (VOC) by EPA method TO-15.

VERIFICATION GUIDANCE

The analytical work was performed by TestAmerica Laboratories, Inc. in accordance with the DOD QSM, version 4.2, and QC requirements of the respective analytical methods and of the project-specific QAPP. The data usability analysis was based on the reviewer's professional judgment and on an assessment of how this data would fare with respect to the DOD QSM, and the criteria as listed in the project-specific QAPP.

QA/QC CRITERIA

The following QA/QC criteria were reviewed, as applicable and available:

- Method detection limits and limits of quantitation (DL, LOQ)
- Holding times
- GC/MS tune performance
- Initial and Continuing calibration summaries
- Method blanks
- Field duplicate results
- Matrix spike/matrix spike duplicate (MS/MSD) analysis
- Surrogate spike recoveries
- Internal standard areas counts and retention times
- Laboratory control samples (LCS)
- Results reported between DL and LOQ (J-flag)
- Sample storage and preservation
- Data system printouts
- Qualitative and quantitative compound identification
- Chain-of-custody (COC)
- Case narrative and deliverables compliance

The items listed above were in compliance with DOD QSM, version 4.2, and project-specific QAPP criteria and protocols with exceptions discussed in the text below. The data have been verified according to the procedures outlined above and qualified accordingly.

GENERAL NOTES:

BLANKS

Whenever blanks, including method, ambient, equipment, and trip, contained low levels of contaminants (between DL and LOQ), the laboratory qualified the subject results with a "J" flag. Since no qualification of associated field samples are required for blank concentrations less than half the LOQ, no further action was taken in such instances.

VOLATILE ORGANIC COMPOUNDS (VOCs)

- According to the case narrative, the following samples were analyzed at initial dilutions:

Sample	Dilution
101VMP0101GA	1:1.6
101VMP0201GA	1:5
101VMP0301GA	1:24.6
101IA0305GA	1:8
101IA0405GA	1:5

The dilution results only are reported and are used in data verification as representing original results.

- The following blank sample analyses indicated blank contaminants present at concentrations equal to or greater than half the reporting limit (RL) (for the purposes of this data review, the RL is assumed to be equal to the LOQ). The Blank ID, detected contaminant, and concentration are listed.

Blank ID	Analyte	Concentration (µg/m^3)	Reporting Limit (µg/m^3)	Samples Affected
042215TB	Methyl ethyl ketone	1.8	1.5	101IA0405GA, 101CA01GA

The purpose of laboratory, equipment or trip blank analysis is to determine the existence and magnitude of contamination resulting from lab or field activities. If contamination is found in blanks the associated sample results for these analytes may be considered suspect. As per the QAPP, based on the blank contaminants present above half the RL, results for the specific analytes in the associated environmental samples are qualified with a "B" flag. However, in accordance with the DOD QSM and consistent the project-specific QAPP, the "B" flag is **not** applied for sample results that are greater than five times (5x) the blank concentration. Thus the "B" flag is only applied to those samples for which the sample result is positive and less than five times (5x) the blank concentration.

Corrective Action: "B" flags were applied to the results for the analytes detected in the trip blank for the field samples as shown in the table above.

- 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 sample sets 101VMP0101GA/GC.

Sample ID, Normal	Sample ID, Field Duplicate	Analyte	Normal Result (µg/m3)	Field Dup Result (µg/m3)	LOQ (µg/m3)	RPD	Flag Applied	Rationale

Sample ID, Normal	Sample ID, Field Duplicate	Analyte	Normal Result (µg/m3)	Field Dup Result (µg/m3)	LOQ (µg/m3)	RPD	Flag Applied	Rationale
101VMP0101GA	101VMP0101GC	Dichlorodifluoromethane	2.5 J	2.3 J	4.0, 2.5	0.2	None	Total difference < 2xLOQ
101VMP0101GA	101VMP0101GC	Freon 22	1.6 J	1.6 J	2.8, 1.8	0	None	Total diff. < 2xLOQ
101VMP0101GA	101VMP0101GC	n-Butane	20	21	1.9, 1.2	4.9	None	RPD < 25%
101VMP0101GA	101VMP0101GC	Trichlorofluoromethane	4.6	4.5	1.8, 1.1	0.1	None	Total diff. < 2xLOQ
101VMP0101GA	101VMP0101GC	Freon TF	0.68 J	0.72 J	2.5, 1.5	0.04	None	Total diff. < 2xLOQ
101VMP0101GA	101VMP0101GC	Acetone	41	49	19, 12	8	None	Total diff. < 2xLOQ
101VMP0101GA	101VMP0101GC	Isopropyl alcohol	7.0 J	8.4 J	20, 12	1.4	None	Total diff. < 2xLOQ
101VMP0101GA	101VMP0101GC	Carbon disulfide	2.1 J	4.5	2.5, 1.6	2.4	None	Total diff. < 2xLOQ
101VMP0101GA	101VMP0101GC	Methylene chloride	1.5 J	1.2 J	2.8, 1.7	0.3	None	Total diff. < 2xLOQ
101VMP0101GA	101VMP0101GC	tert-Butyl alcohol	2.7 J	3.9 J	24, 15	1.2	None	Total diff. < 2xLOQ
101VMP0101GA	101VMP0101GC	n-Hexane	2.5	2.6	1.1, 0.70	0.1	None	Total diff. < 2xLOQ
101VMP0101GA	101VMP0101GC	1,1-Dichloroethane	0.19 U	0.13 J	1.3, 0.81	0.06	None	Total diff. < 2xLOQ
101VMP0101GA	101VMP0101GC	Methyl Ethyl Ketone	49	36	2.4, 1.5	***30.6***	J	RPD>25%
101VMP0101GA	101VMP0101GC	Chloroform	93	83	1.6, 0.98	11.4	None	Total diff. < 2xLOQ
101VMP0101GA	101VMP0101GC	Tetrahydrofuran	160	110	24, 15	***37.0***	J	RPD>25%
101VMP0101GA	101VMP0101GC	1,1,1-Trichloroethane	0.79 J	0.76 J	1.7, 1.1	0.03	None	Total diff. < 2xLOQ
101VMP0101GA	101VMP0101GC	Cyclohexane	1.1	1.0	1.1, 0.69	0.1	None	Total diff. < 2xLOQ
101VMP0101GA	101VMP0101GC	Carbon Tetrachloride	0.76 J	0.74 J	2.0, 1.3	0.02	None	Total diff. < 2xLOQ
101VMP0101GA	101VMP0101GC	2,2,4-Trimethylpentane	0.22 U	0.60 J	1.5, 0.93	0.38	None	Total diff. < 2xLOQ
101VMP0101GA	101VMP0101GC	Benzene	1.2	1.2	1.0, 0.64	0	None	Total diff. < 2xLOQ
101VMP0101GA	101VMP0101GC	n-Heptane	1.5	1.4	1.3, 0.82	0.1	None	Total difference < 2xLOQ
101VMP0101GA	101VMP0101GC	Trichloroethene	42	36	1.7, 1.1	15.4	None	RPD < 25%
101VMP0101GA	101VMP0101GC	Bromodichloromethane	0.59 J	0.47 J	2.1, 1.3	0.12	None	Total diff. < 2xLOQ
101VMP0101GA	101VMP0101GC	Methyl isobutyl ketone	1.3 U	1.2 J	3.3, 2.0	0.1	None	Total diff. < 2xLOQ
101VMP0101GA	101VMP0101GC	Toluene	7.2	7.9	1.2,	9.3	None	RPD <

Sample ID, Normal	Sample ID, Field Duplicate	Analyte	Normal Result (µg/m3)	Field Dup Result (µg/m3)	LOQ (µg/m3)	RPD	Flag Applied	Rationale
					0.75			25%
101VMP0101GA	101VMP0101GC	Tetrachloroethene	0.33 U	0.25 J	2.2, 1.4	0.08	None	Total diff. < 2xLOQ
101VMP0101GA	101VMP0101GC	Methyl butyl ketone	1.3 U	0.74 J	3.3, 2.0	0.56	None	Total diff. < 2xLOQ
101VMP0101GA	101VMP0101GC	Ethylbenzene	0.84 J	0.79 J	1.4, 0.87	0.05	None	Total diff. < 2xLOQ
101VMP0101GA	101VMP0101GC	m,p-Xylene	2.2 J	2.6	3.5, 2.2	0.4	None	Total diff. < 2xLOQ
101VMP0101GA	101VMP0101GC	o-Xylene	0.79 J	0.96	1.4, 0.87	0.17	None	Total diff. < 2xLOQ
101VMP0101GA	101VMP0101GC	Total Xylene	3.0	3.5	1.4, 0.87	0.5	None	Total diff. < 2xLOQ
101VMP0101GA	101VMP0101GC	Styrene	1.8	0.97	1.4, 0.85	0.83	None	Total diff. < 2xLOQ
101VMP0101GA	101VMP0101GC	n-Propylbenzene	0.25 J	0.15 U	1.6, 0.98	0.10	None	Total diff. < 2xLOQ
101VMP0101GA	101VMP0101GC	4-Ethyltoluene	0.35 J	0.21 J	1.6, 0.98	0.14	None	Total diff. < 2xLOQ
101VMP0101GA	101VMP0101GC	1,3,5-Trimethylbenzene	0.38	0.20 J	1.6, 0.98	0.18	None	Total diff. < 2xLOQ
101VMP0101GA	101VMP0101GC	1,2,4-Trimethylbenzene	1.3 J	0.71 J	1.6, 0.98	0.59	None	Total diff. < 2xLOQ
101VMP0101GA	101VMP0101GC	1,3-Dichlorobenzene	1.1 J	0.18 U	1.9, 1.2	0.92	None	Total diff. < 2xLOQ

Corrective Action: "J" flags were applied for methyl ethyl ketone and tetrahydrofuran in field duplicate sample set 101VMP0101GA/GC, since the total differences or the RPDs exceeded the control limits as described above. The results are usable but should be considered estimated.

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 # 200-27725-1 are usable, which can be used with qualifications as noted in the data review.

Signed: Concordia van Hoesel Date: 6/4/15

ATTACHMENTS

- Chain-of-Custody
- Laboratory's Case Narrative
- Qualified final data verification results on annotated Lab Sheet 2s

CASE NARRATIVE
Client: FPM Remediations Inc
Project: Griffiss AFB 1015-11-01 B101
Report Number: 200-27725-1

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
Nine samples were received at TestAmerica Burlington on 04/28/2015; the samples arrived in good condition and properly preserved.

A discrepancy was noted between the Chain of Custody and the sample volume received. Samples 101VMP0201GA (200-27725-2), 101IA0405GA (200-27725-6) and 101OA0305GA (200-27725-7) each have a client label with a sample collection date of 4/22, the COC has collection dates of 4/23. The sample collection date was logged per the COC.

The client was notified on Tuesday, April 28, 2015.

VOLATILE ORGANIC COMPOUNDS (GC/MS)
Samples 101VMP0101GA (200-27725-1), 101VMP0201GA (200-27725-2), 101VMP0301GA (200-27725-3), 101VMP0101GC (200-27725-4), 101IA0305GA (200-27725-5), 101IA0405GA (200-27725-6), 101OA0305GA (200-27725-7), 101CA01GA (200-27725-8) and 042215TB (200-27725-9) were analyzed for volatile organic compounds (GC/MS) in accordance with EPA Method TO-15. The samples were analyzed on 04/29/2015 and 04/30/2015.

Samples 101VMP0101GA (200-27725-1), 101VMP0201GA (200-27725-2), 101VMP0301GA (200-27725-3), 101IA0305GA (200-27725-5) and 101IA0405GA (200-27725-6) required dilutions prior to analysis. The reporting limits have been adjusted accordingly.

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

SAMPLE SUMMARY

Client: FPM Remediations Inc

Job Number: 200-27725-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
200-27725-1	101VMP0101GA	Air	04/23/2015 1135	04/28/2015 1015
200-27725-2	101VMP0201GA	Air	04/23/2015 1150	04/28/2015 1015
200-27725-3	101VMP0301GA	Air	04/23/2015 1130	04/28/2015 1015
200-27725-4	101VMP0101GC	Air	04/23/2015 1135	04/28/2015 1015
200-27725-5	101IA0305GA	Air	04/23/2015 1115	04/28/2015 1015
200-27725-6	101IA0405GA	Air	04/23/2015 1110	04/28/2015 1015
200-27725-7	101OA0305GA	Air	04/23/2015 1120	04/28/2015 1015
200-27725-8	101CA01GA	Air	04/22/2015 0930	04/28/2015 1015
200-27725-9TB	042215TB	Air	04/22/2015 0900	04/28/2015 1015

Analytical Data

Client: FPM Remediations Inc

Job Number: 200-27725-1

Client Sample ID: 101VMP0101GA

Lab Sample ID: 200-27725-1
Client Matrix: Air

Date Sampled: 04/23/2015 1135
Date Received: 04/28/2015 1015

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-87597	Instrument ID:	CHX.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	13349-010.D
Dilution:	1.6			Initial Weight/Volume:	125 mL
Analysis Date:	04/29/2015 1827			Final Weight/Volume:	200 mL
Prep Date:	04/29/2015 1827			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	0.50	J	0.090	0.80
Freon 22	0.44	J	0.13	0.80
1,2-Dichlorotetrafluoroethane	0.13	U	0.083	0.32
Chloromethane	0.32	U	0.096	0.80
n-Butane	8.5		0.29	0.80
Vinyl chloride	0.048	U	0.042	0.32
1,3-Butadiene	0.13	U	0.058	0.32
Bromomethane	0.13	U	0.070	0.32
Chloroethane	0.13	U	0.098	0.80
Bromoethene(Vinyl Bromide)	0.048	U	0.032	0.32
Trichlorofluoromethane	0.82		0.072	0.32
Freon TF	0.088	J	0.066	0.32
1,1-Dichloroethene	0.048	U	0.016	0.32
Acetone	17		1.1	8.0
Isopropyl alcohol	2.9	J	0.24	8.0
Carbon disulfide	0.67	J	0.048	0.80
3-Chloropropene	0.32	U	0.26	0.80
Methylene Chloride	0.44	J	0.19	0.80
tert-Butyl alcohol	0.90	J	0.19	8.0
Methyl tert-butyl ether	0.048	U	0.035	0.32
trans-1,2-Dichloroethene	0.048	U	0.043	0.32
n-Hexane	0.72		0.045	0.32
1,1-Dichloroethane	0.048	U	0.045	0.32
Methyl Ethyl Ketone	16	J	0.15	0.80
cis-1,2-Dichloroethene	0.13	U	0.048	0.32
1,2-Dichloroethene, Total	0.13	U	0.085	0.32
Chloroform	19		0.061	0.32
Tetrahydrofuran	54	J	0.29	8.0
1,1,1-Trichloroethane	0.15	J	0.048	0.32
Cyclohexane	0.33		0.016	0.32
Carbon tetrachloride	0.12	J	0.018	0.32
2,2,4-Trimethylpentane	0.048	U	0.037	0.32
Benzene	0.38		0.046	0.32
1,2-Dichloroethane	0.13	U	0.083	0.32
n-Heptane	0.36	M	0.059	0.32
Trichloroethene	7.8		0.048	0.32
Methyl methacrylate	0.32	U	0.15	0.80
1,2-Dichloropropane	0.13	U	0.056	0.32
1,4-Dioxane	0.32	U	0.26	8.0
Bromodichloromethane	0.088	J	0.046	0.32
cis-1,3-Dichloropropene	0.048	U	0.046	0.32
methyl isobutyl ketone	0.32	U	0.29	0.80
Toluene	1.9		0.040	0.32
trans-1,3-Dichloropropene	0.048	U	0.042	0.32
1,1,2-Trichloroethane	0.13	U	0.059	0.32
Tetrachloroethene	0.048	U	0.048	0.32

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Analytical Data

Client: FPM Remediations Inc

Job Number: 200-27725-1

Client Sample ID: 101VMP0101GA

Lab Sample ID: 200-27725-1
Client Matrix: Air

Date Sampled: 04/23/2015 1135
Date Received: 04/28/2015 1015

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-87597	Instrument ID:	CHX.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	13349-010.D
Dilution:	1.6			Initial Weight/Volume:	125 mL
Analysis Date:	04/29/2015 1827			Final Weight/Volume:	200 mL
Prep Date:	04/29/2015 1827			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Methyl Butyl Ketone (2-Hexanone)	0.32	U	0.27	0.80
Dibromochloromethane	0.048	U	0.032	0.32
1,2-Dibromoethane	0.048	U	0.029	0.32
Chlorobenzene	0.048	U	0.029	0.32
Ethylbenzene	0.19	J	0.032	0.32
m,p-Xylene	0.50	J	0.040	0.80
Xylene, o-	0.18	J	0.029	0.32
Xylene (total)	0.68		0.066	0.32
Styrene	0.43		0.026	0.32
Bromoform	0.048	U	0.040	0.32
Cumene	0.048	U	0.030	0.32
1,1,2,2-Tetrachloroethane	0.13	U	0.054	0.32
n-Propylbenzene	0.050	J	0.043	0.32
4-Ethyltoluene	0.071	J	0.032	0.32
1,3,5-Trimethylbenzene	0.078	J	0.030	0.32
2-Chlorotoluene	0.13	U	0.050	0.32
tert-Butylbenzene	0.048	U	0.032	0.32
1,2,4-Trimethylbenzene	0.27	J	0.026	0.32
sec-Butylbenzene	0.048	U	0.034	0.32
4-Isopropyltoluene	0.048	U	0.032	0.32
1,3-Dichlorobenzene	0.19	J	0.032	0.32
1,4-Dichlorobenzene	0.048	U	0.030	0.32
Benzyl chloride	0.048	U	0.029	0.32
n-Butylbenzene	0.048	U	0.045	0.32
1,2-Dichlorobenzene	0.048	U	0.029	0.32
1,2,4-Trichlorobenzene	0.13	U	0.054	0.80
Hexachlorobutadiene	0.13	U	0.058	0.32
Naphthalene	0.13	U	0.048	0.80

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Analyte	Result (ug/m3)	Qualifier	DL	LOQ
Dichlorodifluoromethane	2.5	J	0.44	4.0
Freon 22	1.6	J	0.45	2.8
1,2-Dichlorotetrafluoroethane	0.89	U	0.58	2.2
Chloromethane	0.66	U	0.20	1.7
n-Butane	20		0.68	1.9
Vinyl chloride	0.12	U	0.11	0.82
1,3-Butadiene	0.28	U	0.13	0.71
Bromomethane	0.50	U	0.27	1.2
Chloroethane	0.34	U	0.26	2.1
Bromoethene(Vinyl Bromide)	0.21	U	0.14	1.4
Trichlorofluoromethane	4.6		0.40	1.8
Freon TF	0.68	J	0.50	2.5
1,1-Dichloroethene	0.19	U	0.063	1.3
Acetone	41		2.6	19
Isopropyl alcohol	7.0	J	0.59	20
Carbon disulfide	2.1	J	0.15	2.5

Analytical Data

Client: FPM Remediations Inc

Job Number: 200-27725-1

Client Sample ID: 101VMP0101GA

Lab Sample ID: 200-27725-1
Client Matrix: Air

Date Sampled: 04/23/2015 1135
Date Received: 04/28/2015 1015

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-87597	Instrument ID:	CHX.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	13349-010.D
Dilution:	1.6			Initial Weight/Volume:	125 mL
Analysis Date:	04/29/2015 1827			Final Weight/Volume:	200 mL
Prep Date:	04/29/2015 1827			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
3-Chloropropene	1.0	U	0.80	2.5
Methylene Chloride	1.5	J	0.67	2.8
tert-Butyl alcohol	2.7	J	0.58	24
Methyl tert-butyl ether	0.17	U	0.13	1.2
trans-1,2-Dichloroethene	0.19	U	0.17	1.3
n-Hexane	2.5		0.16	1.1
1,1-Dichloroethane	0.19	U	0.18	1.3
Methyl Ethyl Ketone	49	J	0.43	2.4
cis-1,2-Dichloroethene	0.51	U	0.19	1.3
1,2-Dichloroethene, Total	0.51	U	0.34	1.3
Chloroform	93		0.30	1.6
Tetrahydrofuran	160	J	0.85	24
1,1,1-Trichloroethane	0.79	J	0.26	1.7
Cyclohexane	1.1		0.055	1.1
Carbon tetrachloride	0.76	J	0.11	2.0
2,2,4-Trimethylpentane	0.22	U	0.17	1.5
Benzene	1.2		0.15	1.0
1,2-Dichloroethane	0.52	U	0.34	1.3
n-Heptane	1.5	M	0.24	1.3
Trichloroethene	42		0.26	1.7
Methyl methacrylate	1.3	U	0.63	3.3
1,2-Dichloropropane	0.59	U	0.26	1.5
1,4-Dioxane	1.2	U	0.92	29
Bromodichloromethane	0.59	J	0.31	2.1
cis-1,3-Dichloropropene	0.22	U	0.21	1.5
methyl isobutyl ketone	1.3	U	1.2	3.3
Toluene	7.2		0.15	1.2
trans-1,3-Dichloropropene	0.22	U	0.19	1.5
1,1,2-Trichloroethane	0.70	U	0.32	1.7
Tetrachloroethene	0.33	U	0.33	2.2
Methyl Butyl Ketone (2-Hexanone)	1.3	U	1.1	3.3
Dibromochloromethane	0.41	U	0.27	2.7
1,2-Dibromoethane	0.37	U	0.22	2.5
Chlorobenzene	0.22	U	0.13	1.5
Ethylbenzene	0.84	J	0.14	1.4
m,p-Xylene	2.2	J	0.17	3.5
Xylene, o-	0.79	J	0.13	1.4
Xylene (total)	3.0		0.28	1.4
Styrene	1.8		0.11	1.4
Bromoform	0.50	U	0.41	3.3
Cumene	0.24	U	0.15	1.6
1,1,2,2-Tetrachloroethane	0.88	U	0.37	2.2
n-Propylbenzene	0.25	J	0.21	1.6
4-Ethyltoluene	0.35	J	0.16	1.6
1,3,5-Trimethylbenzene	0.38	J	0.15	1.6
2-Chlorotoluene	0.66	U	0.26	1.7

CMA 6/4/15

Analytical Data

Client: FPM Remediations Inc

Job Number: 200-27725-1

Client Sample ID: 101VMP0101GA

Lab Sample ID: 200-27725-1
Client Matrix: Air

Date Sampled: 04/23/2015 1135
Date Received: 04/28/2015 1015

TO-15 Volatile Organic Compounds In Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-87597	Instrument ID:	CHX.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	13349-010.D
Dilution:	1.6			Initial Weight/Volume:	125 mL
Analysis Date:	04/29/2015 1827			Final Weight/Volume:	200 mL
Prep Date:	04/29/2015 1827			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
tert-Butylbenzene	0.26	U	0.18	1.8
1,2,4-Trimethylbenzene	1.3	J Ø	0.13	1.6
sec-Butylbenzene	0.26	U	0.18	1.8
4-Isopropyltoluene	0.26	U	0.18	1.8
1,3-Dichlorobenzene	1.1	J Ø	0.19	1.9
1,4-Dichlorobenzene	0.29	U	0.18	1.9
Benzyl chloride	0.25	U	0.15	1.7
n-Butylbenzene	0.26	U	0.25	1.8
1,2-Dichlorobenzene	0.29	U	0.17	1.9
1,2,4-Trichlorobenzene	0.95	U	0.40	5.9
Hexachlorobutadiene	1.4	U	0.61	3.4
Naphthalene	0.67	U	0.25	4.2

Cht 6/4/15

Analytical Data

Client: FPM Remediations Inc

Job Number: 200-27725-1

Client Sample ID: 101VMP0201GA

Lab Sample ID: 200-27725-2
Client Matrix: Air

Date Sampled: 04/23/2015 1150
Date Received: 04/28/2015 1015

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-87597	Instrument ID:	CHX.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	13349-011.D
Dilution:	5.0			Initial Weight/Volume:	40 mL
Analysis Date:	04/29/2015 1917			Final Weight/Volume:	200 mL
Prep Date:	04/29/2015 1917			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	0.47	J	0.28	2.5
Freon 22	0.40	J	0.40	2.5
1,2-Dichlorotetrafluoroethane	0.40	U	0.26	1.0
Chloromethane	1.0	U	0.30	2.5
n-Butane	1.0	U	0.90	2.5
Vinyl chloride	0.15	U	0.13	1.0
1,3-Butadiene	0.40	U	0.18	1.0
Bromomethane	0.40	U	0.22	1.0
Chloroethane	0.40	U	0.31	2.5
Bromoethene(Vinyl Bromide)	0.15	U	0.10	1.0
Trichlorofluoromethane	0.60	J	0.23	1.0
Freon TF	0.40	U	0.21	1.0
1,1-Dichloroethene	0.15	U	0.050	1.0
Acetone	17	J	3.5	25
Isopropyl alcohol	3.2	J	0.75	25
Carbon disulfide	1.8	J	0.15	2.5
3-Chloropropene	1.0	U	0.80	2.5
Methylene Chloride	1.1	J	0.60	2.5
tert-Butyl alcohol	1.0	U	0.60	25
Methyl tert-butyl ether	0.15	U	0.11	1.0
trans-1,2-Dichloroethene	0.15	U	0.14	1.0
n-Hexane	0.15	U	0.14	1.0
1,1-Dichloroethane	0.15	U	0.14	1.0
Methyl Ethyl Ketone	11		0.46	2.5
cis-1,2-Dichloroethene	0.40	U	0.15	1.0
1,2-Dichloroethene, Total	0.40	U	0.27	1.0
Chloroform	0.40	U	0.19	1.0
Tetrahydrofuran	48		0.90	25
1,1,1-Trichloroethane	0.40	U	0.15	1.0
Cyclohexane	0.15	U	0.050	1.0
Carbon tetrachloride	0.15	U	0.055	1.0
2,2,4-Trimethylpentane	0.15	U	0.12	1.0
Benzene	1.0		0.15	1.0
1,2-Dichloroethane	0.40	U	0.26	1.0
n-Heptane	0.40	U	0.19	1.0
Trichloroethene	22		0.15	1.0
Methyl methacrylate	1.0	U	0.48	2.5
1,2-Dichloropropane	0.40	U	0.18	1.0
1,4-Dioxane	1.0	U	0.80	25
Bromodichloromethane	0.15	U	0.15	1.0
cis-1,3-Dichloropropene	0.15	U	0.15	1.0
methyl isobutyl ketone	1.1	J	0.90	2.5
Toluene	46		0.13	1.0
trans-1,3-Dichloropropene	0.15	U	0.13	1.0
1,1,2-Trichloroethane	0.40	U	0.19	1.0
Tetrachloroethene	1.5		0.15	1.0

CMT 6/4/15

Analytical Data

Client: FPM Remediations Inc

Job Number: 200-27725-1

Client Sample ID: 101VMP0201GA

Lab Sample ID: 200-27725-2
Client Matrix: Air

Date Sampled: 04/23/2015 1150
Date Received: 04/28/2015 1015

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-87597	Instrument ID:	CHX.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	13349-011.D
Dilution:	5.0			Initial Weight/Volume:	40 mL
Analysis Date:	04/29/2015 1917			Final Weight/Volume:	200 mL
Prep Date:	04/29/2015 1917			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Methyl Butyl Ketone (2-Hexanone)	1.0	U	0.85	2.5
Dibromochloromethane	0.15	U	0.10	1.0
1,2-Dibromoethane	0.15	U	0.090	1.0
Chlorobenzene	0.15	U	0.090	1.0
Ethylbenzene	89	D	0.10	1.0
m,p-Xylene	370	D	0.13	2.5
Xylene, o-	110	D	0.090	1.0
Xylene (total)	480		0.21	1.0
Styrene	1.5	D	0.080	1.0
Bromoform	0.15	U	0.13	1.0
Cumene	0.15	U	0.095	1.0
1,1,2,2-Tetrachloroethane	0.40	U	0.17	1.0
n-Propylbenzene	0.15	U	0.14	1.0
4-Ethyltoluene	3.1	D	0.10	1.0
1,3,5-Trimethylbenzene	4.1	D	0.095	1.0
2-Chlorotoluene	0.40	U	0.16	1.0
tert-Butylbenzene	0.15	U	0.10	1.0
1,2,4-Trimethylbenzene	7.4	D	0.080	1.0
sec-Butylbenzene	0.15	U	0.11	1.0
4-Isopropyltoluene	0.47	J D	0.10	1.0
1,3-Dichlorobenzene	0.15	U	0.10	1.0
1,4-Dichlorobenzene	0.15	U	0.095	1.0
Benzyl chloride	0.15	U	0.090	1.0
n-Butylbenzene	0.15	U	0.14	1.0
1,2-Dichlorobenzene	0.15	U	0.090	1.0
1,2,4-Trichlorobenzene	0.40	U	0.17	2.5
Hexachlorobutadiene	0.40	U	0.18	1.0
Naphthalene	0.40	U	0.15	2.5

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Analyte	Result (ug/m3)	Qualifier	DL	LOQ
Dichlorodifluoromethane	2.3	J D	1.4	12
Freon 22	1.4	J D	1.4	8.8
1,2-Dichlorotetrafluoroethane	2.8	U	1.8	7.0
Chloromethane	2.1	U	0.62	5.2
n-Butane	2.4	U	2.1	5.9
Vinyl chloride	0.38	U	0.33	2.6
1,3-Butadiene	0.88	U	0.40	2.2
Bromomethane	1.6	U	0.85	3.9
Chloroethane	1.1	U	0.80	6.6
Bromoethene(Vinyl Bromide)	0.66	U	0.44	4.4
Trichlorofluoromethane	3.4	J D	1.3	5.6
Freon TF	3.1	U	1.6	7.7
1,1-Dichloroethene	0.59	U	0.20	4.0
Acetone	41	J D	8.2	59
Isopropyl alcohol	7.9	J D	1.8	61
Carbon disulfide	5.7	J D	0.47	7.8

Analytical Data

Client: FPM Remediations Inc

Job Number: 200-27725-1

Client Sample ID: 101VMP0201GA

Lab Sample ID: 200-27725-2
Client Matrix: Air

Date Sampled: 04/23/2015 1150
Date Received: 04/28/2015 1015

TO-15 Volatile Organic Compounds In Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-87597	Instrument ID:	CHX.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	13349-011.D
Dilution:	5.0			Initial Weight/Volume:	40 mL
Analysis Date:	04/29/2015 1917			Final Weight/Volume:	200 mL
Prep Date:	04/29/2015 1917			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
3-Chloropropene	3.1	U	2.5	7.8
Methylene Chloride	3.7	J	2.1	8.7
tert-Butyl alcohol	3.0	U	1.8	76
Methyl tert-butyl ether	0.54	U	0.40	3.6
trans-1,2-Dichloroethene	0.59	U	0.54	4.0
n-Hexane	0.53	U	0.49	3.5
1,1-Dichloroethane	0.61	U	0.57	4.0
Methyl Ethyl Ketone	33		1.4	7.4
cis-1,2-Dichloroethene	1.6	U	0.59	4.0
1,2-Dichloroethene, Total	1.6	U	1.1	4.0
Chloroform	2.0	U	0.93	4.9
Tetrahydrofuran	140		2.7	74
1,1,1-Trichloroethane	2.2	U	0.82	5.5
Cyclohexane	0.52	U	0.17	3.4
Carbon tetrachloride	0.94	U	0.35	6.3
2,2,4-Trimethylpentane	0.70	U	0.54	4.7
Benzene	3.3		0.46	3.2
1,2-Dichloroethane	1.6	U	1.1	4.0
n-Heptane	1.6	U	0.76	4.1
Trichloroethene	120		0.81	5.4
Methyl methacrylate	4.1	U	2.0	10
1,2-Dichloropropane	1.8	U	0.81	4.6
1,4-Dioxane	3.6	U	2.9	90
Bromodichloromethane	1.0	U	0.97	6.7
cis-1,3-Dichloropropene	0.68	U	0.66	4.5
methyl isobutyl ketone	4.3	J	3.7	10
Toluene	170		0.47	3.8
trans-1,3-Dichloropropene	0.68	U	0.59	4.5
1,1,2-Trichloroethane	2.2	U	1.0	5.5
Tetrachloroethene	10		1.0	6.8
Methyl Butyl Ketone (2-Hexanone)	4.1	U	3.5	10
Dibromochloromethane	1.3	U	0.85	8.5
1,2-Dibromoethane	1.2	U	0.69	7.7
Chlorobenzene	0.69	U	0.41	4.6
Ethylbenzene	390		0.43	4.3
m,p-Xylene	1600		0.54	11
Xylene, o-	460		0.39	4.3
Xylene (total)	2100		0.89	4.3
Styrene	6.4		0.34	4.3
Bromoform	1.6	U	1.3	10
Cumene	0.74	U	0.47	4.9
1,1,2,2-Tetrachloroethane	2.7	U	1.2	6.9
n-Propylbenzene	0.74	U	0.66	4.9
4-Ethyltoluene	15		0.49	4.9
1,3,5-Trimethylbenzene	20		0.47	4.9
2-Chlorotoluene	2.1	U	0.80	5.2

CMA 6/4/15

Analytical Data

Client: FPM Remediations Inc

Job Number: 200-27725-1

Client Sample ID: **101VMP0201GA**

Lab Sample ID: 200-27725-2
Client Matrix: Air

Date Sampled: 04/23/2015 1150
Date Received: 04/28/2015 1015

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-87597	Instrument ID:	CHX.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	13349-011.D
Dilution:	5.0			Initial Weight/Volume:	40 mL
Analysis Date:	04/29/2015 1917			Final Weight/Volume:	200 mL
Prep Date:	04/29/2015 1917			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
tert-Butylbenzene	0.82	U	0.55	5.5
1,2,4-Trimethylbenzene	36	~~D~~	0.39	4.9
sec-Butylbenzene	0.82	U	0.58	5.5
4-Isopropyltoluene	2.6	J~~D~~	0.55	5.5
1,3-Dichlorobenzene	0.90	U	0.60	6.0
1,4-Dichlorobenzene	0.90	U	0.57	6.0
Benzyl chloride	0.78	U	0.47	5.2
n-Butylbenzene	0.82	U	0.77	5.5
1,2-Dichlorobenzene	0.90	U	0.54	6.0
1,2,4-Trichlorobenzene	3.0	U	1.3	19
Hexachlorobutadiene	4.3	U	1.9	11
Naphthalene	2.1	U	0.79	13

CWA 6/4/15

Analytical Data

Client: FPM Remediations Inc

Job Number: 200-27725-1

Client Sample ID: 101VMP0301GA

Lab Sample ID: 200-27725-3
Client Matrix: Air

Date Sampled: 04/23/2015 1130
Date Received: 04/28/2015 1015

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-87597	Instrument ID:	CHX.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	13349-012.D
Dilution:	24.6			Initial Weight/Volume:	30 mL
Analysis Date:	04/29/2015 2006			Final Weight/Volume:	200 mL
Prep Date:	04/29/2015 2006			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	4.9	U	1.4	12
Freon 22	4.9	U	2.0	12
1,2-Dichlorotetrafluoroethane	2.0	U	1.3	4.9
Chloromethane	4.9	U	1.5	12
n-Butane	4.9	U	4.4	12
Vinyl chloride	0.74	U	0.64	4.9
1,3-Butadiene	2.0	U	0.89	4.9
Bromomethane	2.0	U	1.1	4.9
Chloroethane	2.0	U	1.5	12
Bromoethene(Vinyl Bromide)	0.74	U	0.49	4.9
Trichlorofluoromethane	2.0	U	1.1	4.9
Freon TF	2.0	U	1.0	4.9
1,1-Dichloroethene	0.74	U	0.25	4.9
Acetone	150	~~D~~	17	120
Isopropyl alcohol	12	U	3.7	120
Carbon disulfide	2.0	U	0.74	12
3-Chloropropene	4.9	U	3.9	12
Methylene Chloride	4.9	U	3.0	12
tert-Butyl alcohol	4.9	U	3.0	120
Methyl tert-butyl ether	0.74	U	0.54	4.9
trans-1,2-Dichloroethene	0.74	U	0.66	4.9
n-Hexane	0.74	U	0.69	4.9
1,1-Dichloroethane	0.74	U	0.69	4.9
Methyl Ethyl Ketone	200	~~D~~ ~~J~~	2.3	12
cis-1,2-Dichloroethene	2.0	U	0.74	4.9
1,2-Dichloroethene, Total	2.0	U	1.3	4.9
Chloroform	2.0	U	0.93	4.9
Tetrahydrofuran	760	~~D~~ ~~J~~	4.4	120
1,1,1-Trichloroethane	2.0	U	0.74	4.9
Cyclohexane	0.74	U	0.25	4.9
Carbon tetrachloride	0.74	U	0.27	4.9
2,2,4-Trimethylpentane	0.74	U	0.57	4.9
Benzene	0.74	U	0.71	4.9
1,2-Dichloroethane	2.0	U	1.3	4.9
n-Heptane	2.0	U	0.91	4.9
Trichloroethene	6.3	~~D~~	0.74	4.9
Methyl methacrylate	4.9	U	2.4	12
1,2-Dichloropropane	2.0	U	0.86	4.9
1,4-Dioxane	4.9	U	3.9	120
Bromodichloromethane	0.74	U	0.71	4.9
cis-1,3-Dichloropropene	0.74	U	0.71	4.9
methyl isobutyl ketone	80	~~D~~	4.4	12
Toluene	240	~~D~~	0.62	4.9
trans-1,3-Dichloropropene	0.74	U	0.64	4.9
1,1,2-Trichloroethane	2.0	U	0.91	4.9
Tetrachloroethene	2.9	~~J~~	0.74	4.9

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Analytical Data

Client: FPM Remediations Inc

Job Number: 200-27725-1

Client Sample ID: 101VMP0301GA

Lab Sample ID: 200-27725-3
Client Matrix: Air

Date Sampled: 04/23/2015 1130
Date Received: 04/28/2015 1015

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-87597	Instrument ID:	CHX.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	13349-012.D
Dilution:	24.6			Initial Weight/Volume:	30 mL
Analysis Date:	04/29/2015 2006			Final Weight/Volume:	200 mL
Prep Date:	04/29/2015 2006			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Methyl Butyl Ketone (2-Hexanone)	4.9	U	4.2	12
Dibromochloromethane	0.74	U	0.49	4.9
1,2-Dibromoethane	0.74	U	0.44	4.9
Chlorobenzene	0.74	U	0.44	4.9
Ethylbenzene	4.7	J Ø	0.49	4.9
m,p-Xylene	18	Ø	0.62	12
Xylene, o-	6.9	Ø	0.44	4.9
Xylene (total)	25		1.0	4.9
Styrene	2.7	J Ø	0.39	4.9
Bromoform	0.74	U	0.62	4.9
Cumene	0.74	U	0.47	4.9
1,1,2,2-Tetrachloroethane	2.0	U	0.84	4.9
n-Propylbenzene	0.74	U	0.66	4.9
4-Ethyltoluene	0.74	U	0.49	4.9
1,3,5-Trimethylbenzene	0.74	U	0.47	4.9
2-Chlorotoluene	2.0	U	0.76	4.9
tert-Butylbenzene	0.74	U	0.49	4.9
1,2,4-Trimethylbenzene	0.74	U	0.39	4.9
sec-Butylbenzene	0.74	U	0.52	4.9
4-Isopropyltoluene	0.74	U	0.49	4.9
1,3-Dichlorobenzene	0.74	U	0.49	4.9
1,4-Dichlorobenzene	0.74	U	0.47	4.9
Benzyl chloride	0.74	U	0.44	4.9
n-Butylbenzene	0.74	U	0.69	4.9
1,2-Dichlorobenzene	0.74	U	0.44	4.9
1,2,4-Trichlorobenzene	2.0	U	0.84	12
Hexachlorobutadiene	2.0	U	0.89	4.9
Naphthalene	2.0	U	0.74	12

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Analyte	Result (ug/m3)	Qualifier	DL	LOQ
Dichlorodifluoromethane	24	U	6.8	61
Freon 22	17	U	7.0	44
1,2-Dichlorotetrafluoroethane	14	U	8.9	34
Chloromethane	10	U	3.0	25
n-Butane	12	U	11	29
Vinyl chloride	1.9	U	1.6	13
1,3-Butadiene	4.4	U	2.0	11
Bromomethane	7.6	U	4.2	19
Chloroethane	5.2	U	4.0	32
Bromoethene(Vinyl Bromide)	3.2	U	2.2	22
Trichlorofluoromethane	11	U	6.2	28
Freon TF	15	U	7.7	38
1,1-Dichloroethene	2.9	U	0.98	20
Acetone	370	Ø	40	290
Isopropyl alcohol	30	U	9.1	300
Carbon disulfide	6.1	U	2.3	38

Analytical Data

Client: FPM Remediations Inc

Job Number: 200-27725-1

Client Sample ID: 101VMP0301GA

Lab Sample ID: 200-27725-3
Client Matrix: Air

Date Sampled: 04/23/2015 1130
Date Received: 04/28/2015 1015

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-87597	Instrument ID:	CHX.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	13349-012.D
Dilution:	24.6			Initial Weight/Volume:	30 mL
Analysis Date:	04/29/2015 2006			Final Weight/Volume:	200 mL
Prep Date:	04/29/2015 2006			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
3-Chloropropene	15	U	12	38
Methylene Chloride	17	U	10	43
tert-Butyl alcohol	15	U	8.9	370
Methyl tert-butyl ether	2.7	U	2.0	18
trans-1,2-Dichloroethene	2.9	U	2.6	20
n-Hexane	2.6	U	2.4	17
1,1-Dichloroethane	3.0	U	2.8	20
Methyl Ethyl Ketone	590	D	6.7	36
cis-1,2-Dichloroethene	7.8	U	2.9	20
1,2-Dichloroethene, Total	7.8	U	5.2	20
Chloroform	9.6	U	4.6	24
Tetrahydrofuran	2200	D	13	360
1,1,1-Trichloroethane	11	U	4.0	27
Cyclohexane	2.5	U	0.85	17
Carbon tetrachloride	4.6	U	1.7	31
2,2,4-Trimethylpentane	3.4	U	2.6	23
Benzene	2.4	U	2.3	16
1,2-Dichloroethane	8.0	U	5.2	20
n-Heptane	8.1	U	3.7	20
Trichloroethene	34	D	4.0	26
Methyl methacrylate	20	U	9.7	50
1,2-Dichloropropane	9.1	U	4.0	23
1,4-Dioxane	18	U	14	440
Bromodichloromethane	4.9	U	4.8	33
cis-1,3-Dichloropropene	3.3	U	3.2	22
methyl isobutyl ketone	330	D	18	50
Toluene	920	D	2.3	19
trans-1,3-Dichloropropene	3.3	U	2.9	22
1,1,2-Trichloroethane	11	U	5.0	27
Tetrachloroethene	20	J D	5.0	33
Methyl Butyl Ketone (2-Hexanone)	20	U	17	50
Dibromochloromethane	6.3	U	4.2	42
1,2-Dibromoethane	5.7	U	3.4	38
Chlorobenzene	3.4	U	2.0	23
Ethylbenzene	21	J D	2.1	21
m,p-Xylene	80	D	2.7	53
Xylene, o-	30	D	1.9	21
Xylene (total)	110		4.4	21
Styrene	12	J D	1.7	21
Bromoform	7.6	U	6.4	51
Cumene	3.6	U	2.3	24
1,1,2,2-Tetrachloroethane	14	U	5.7	34
n-Propylbenzene	3.6	U	3.3	24
4-Ethyltoluene	3.6	U	2.4	24
1,3,5-Trimethylbenzene	3.6	U	2.3	24
2-Chlorotoluene	10	U	3.9	25

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Analytical Data

Client: FPM Remediations Inc

Job Number: 200-27725-1

Client Sample ID: **101VMP0301GA**

Lab Sample ID: 200-27725-3
Client Matrix: Air

Date Sampled: 04/23/2015 1130
Date Received: 04/28/2015 1015

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-87597	Instrument ID:	CHX.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	13349-012.D
Dilution:	24.6			Initial Weight/Volume:	30 mL
Analysis Date:	04/29/2015 2006			Final Weight/Volume:	200 mL
Prep Date:	04/29/2015 2006			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
tert-Butylbenzene	4.1	U	2.7	27
1,2,4-Trimethylbenzene	3.6	U	1.9	24
sec-Butylbenzene	4.1	U	2.8	27
4-Isopropyltoluene	4.1	U	2.7	27
1,3-Dichlorobenzene	4.4	U	3.0	30
1,4-Dichlorobenzene	4.4	U	2.8	30
Benzyl chloride	3.8	U	2.3	25
n-Butylbenzene	4.1	U	3.8	27
1,2-Dichlorobenzene	4.4	U	2.7	30
1,2,4-Trichlorobenzene	15	U	6.2	91
Hexachlorobutadiene	21	U	9.4	52
Naphthalene	10	U	3.9	64

Analytical Data

Client: FPM Remediations Inc

Job Number: 200-27725-1

Client Sample ID: 101VMP0101GC

Lab Sample ID: 200-27725-4
Client Matrix: Air

Date Sampled: 04/23/2015 1135
Date Received: 04/28/2015 1015

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-87597	Instrument ID:	CHX.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	13349-013.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	04/29/2015 2055			Final Weight/Volume:	200 mL
Prep Date:	04/29/2015 2055			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	0.46	J	0.056	0.50
Freon 22	0.45	J	0.080	0.50
1,2-Dichlorotetrafluoroethane	0.080	U	0.052	0.20
Chloromethane	0.20	U	0.060	0.50
n-Butane	8.6		0.18	0.50
Vinyl chloride	0.030	U	0.026	0.20
1,3-Butadiene	0.080	U	0.036	0.20
Bromomethane	0.080	U	0.044	0.20
Chloroethane	0.080	U	0.061	0.50
Bromoethene(Vinyl Bromide)	0.030	U	0.020	0.20
Trichlorofluoromethane	0.80		0.045	0.20
Freon TF	0.093	J	0.041	0.20
1,1-Dichloroethene	0.030	U	0.010	0.20
Acetone	21		0.69	5.0
Isopropyl alcohol	3.4	J	0.15	5.0
Carbon disulfide	1.5		0.030	0.50
3-Chloropropene	0.20	U	0.16	0.50
Methylene Chloride	0.35	J	0.12	0.50
tert-Butyl alcohol	1.3	J	0.12	5.0
Methyl tert-butyl ether	0.030	U	0.022	0.20
trans-1,2-Dichloroethene	0.030	U	0.027	0.20
n-Hexane	0.73		0.028	0.20
1,1-Dichloroethane	0.033	J	0.028	0.20
Methyl Ethyl Ketone	12	J4	0.092	0.50
cis-1,2-Dichloroethene	0.080	U	0.030	0.20
1,2-Dichloroethene, Total	0.080	U	0.053	0.20
Chloroform	17		0.038	0.20
Tetrahydrofuran	39	J4	0.18	5.0
1,1,1-Trichloroethane	0.14	J	0.030	0.20
Cyclohexane	0.30		0.010	0.20
Carbon tetrachloride	0.12	J	0.011	0.20
2,2,4-Trimethylpentane	0.13	J	0.023	0.20
Benzene	0.38		0.029	0.20
1,2-Dichloroethane	0.080	U	0.052	0.20
n-Heptane	0.35	J	0.037	0.20
Trichloroethene	6.8		0.030	0.20
Methyl methacrylate	0.20	U	0.096	0.50
1,2-Dichloropropane	0.080	U	0.035	0.20
1,4-Dioxane	0.20	U	0.16	5.0
Bromodichloromethane	0.070	J	0.029	0.20
cis-1,3-Dichloropropene	0.030	U	0.029	0.20
methyl isobutyl ketone	0.29	J	0.18	0.50
Toluene	2.1		0.025	0.20
trans-1,3-Dichloropropene	0.030	U	0.026	0.20
1,1,2-Trichloroethane	0.080	U	0.037	0.20
Tetrachloroethene	0.037	J	0.030	0.20

CWA 6/4/15

Analytical Data

Client: FPM Remediations Inc

Job Number: 200-27725-1

Client Sample ID: 101VMP0101GC

Lab Sample ID: 200-27725-4

Client Matrix: Air

Date Sampled: 04/23/2015 1135

Date Received: 04/28/2015 1015

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-87597	Instrument ID:	CHX.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	13349-013.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	04/29/2015 2055			Final Weight/Volume:	200 mL
Prep Date:	04/29/2015 2055			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Methyl Butyl Ketone (2-Hexanone)	0.18	J	0.17	0.50
Dibromochloromethane	0.030	U	0.020	0.20
1,2-Dibromoethane	0.030	U	0.018	0.20
Chlorobenzene	0.030	U	0.018	0.20
Ethylbenzene	0.18	J	0.020	0.20
m,p-Xylene	0.59		0.025	0.50
Xylene, o-	0.22		0.018	0.20
Xylene (total)	0.81		0.041	0.20
Styrene	0.23		0.016	0.20
Bromoform	0.030	U	0.025	0.20
Cumene	0.030	U	0.019	0.20
1,1,2,2-Tetrachloroethane	0.080	U	0.034	0.20
n-Propylbenzene	0.030	U	0.027	0.20
4-Ethyltoluene	0.043	J	0.020	0.20
1,3,5-Trimethylbenzene	0.040	J	0.019	0.20
2-Chlorotoluene	0.080	U	0.031	0.20
tert-Butylbenzene	0.030	U	0.020	0.20
1,2,4-Trimethylbenzene	0.15	J	0.016	0.20
sec-Butylbenzene	0.030	U	0.021	0.20
4-Isopropyltoluene	0.030	U	0.020	0.20
1,3-Dichlorobenzene	0.030	U	0.020	0.20
1,4-Dichlorobenzene	0.030	U	0.019	0.20
Benzyl chloride	0.030	U	0.018	0.20
n-Butylbenzene	0.030	U	0.028	0.20
1,2-Dichlorobenzene	0.030	U	0.018	0.20
1,2,4-Trichlorobenzene	0.080	U	0.034	0.50
Hexachlorobutadiene	0.080	U	0.036	0.20
Naphthalene	0.080	U	0.030	0.50

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
Dichlorodifluoromethane	2.3	J	0.28	2.5
Freon 22	1.6	J	0.28	1.8
1,2-Dichlorotetrafluoroethane	0.56	U	0.36	1.4
Chloromethane	0.41	U	0.12	1.0
n-Butane	21		0.43	1.2
Vinyl chloride	0.077	U	0.066	0.51
1,3-Butadiene	0.18	U	0.080	0.44
Bromomethane	0.31	U	0.17	0.78
Chloroethane	0.21	U	0.16	1.3
Bromoethene(Vinyl Bromide)	0.13	U	0.087	0.87
Trichlorofluoromethane	4.5		0.25	1.1
Freon TF	0.72	J	0.31	1.5
1,1-Dichloroethene	0.12	U	0.040	0.79
Acetone	49		1.6	12
Isopropyl alcohol	8.4	J	0.37	12
Carbon disulfide	4.5		0.093	1.6

Client: FPM Remediations Inc

Job Number: 200-27725-1

Client Sample ID: 101VMP0101GC

Lab Sample ID: 200-27725-4

Client Matrix: Air

Date Sampled: 04/23/2015 1135

Date Received: 04/28/2015 1015

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-87597	Instrument ID:	CHX.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	13349-013.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	04/29/2015 2055			Final Weight/Volume:	200 mL
Prep Date:	04/29/2015 2055			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
3-Chloropropene	0.63	U	0.50	1.6
Methylene Chloride	1.2	J	0.42	1.7
tert-Butyl alcohol	3.9	J	0.36	15
Methyl tert-butyl ether	0.11	U	0.079	0.72
trans-1,2-Dichloroethene	0.12	U	0.11	0.79
n-Hexane	2.6		0.099	0.70
1,1-Dichloroethane	0.13	J	0.11	0.81
Methyl Ethyl Ketone	36	J	0.27	1.5
cis-1,2-Dichloroethene	0.32	U	0.12	0.79
1,2-Dichloroethene, Total	0.32	U	0.21	0.79
Chloroform	83		0.19	0.98
Tetrahydrofuran	110	J	0.53	15
1,1,1-Trichloroethane	0.76	J	0.16	1.1
Cyclohexane	1.0		0.034	0.69
Carbon tetrachloride	0.74	J	0.069	1.3
2,2,4-Trimethylpentane	0.60	J	0.11	0.93
Benzene	1.2		0.093	0.64
1,2-Dichloroethane	0.32	U	0.21	0.81
n-Heptane	1.4	M	0.15	0.82
Trichloroethene	36		0.16	1.1
Methyl methacrylate	0.82	U	0.39	2.0
1,2-Dichloropropane	0.37	U	0.16	0.92
1,4-Dioxane	0.72	U	0.58	18
Bromodichloromethane	0.47	J	0.19	1.3
cis-1,3-Dichloropropene	0.14	U	0.13	0.91
methyl isobutyl ketone	1.2	J	0.74	2.0
Toluene	7.9		0.094	0.75
trans-1,3-Dichloropropene	0.14	U	0.12	0.91
1,1,2-Trichloroethane	0.44	U	0.20	1.1
Tetrachloroethene	0.25	J	0.20	1.4
Methyl Butyl Ketone (2-Hexanone)	0.74	J	0.70	2.0
Dibromochloromethane	0.26	U	0.17	1.7
1,2-Dibromoethane	0.23	U	0.14	1.5
Chlorobenzene	0.14	U	0.083	0.92
Ethylbenzene	0.79	J	0.087	0.87
m,p-Xylene	2.6		0.11	2.2
Xylene, o-	0.96		0.078	0.87
Xylene (total)	3.5		0.18	0.87
Styrene	0.97		0.068	0.85
Bromoform	0.31	U	0.26	2.1
Cumene	0.15	U	0.093	0.98
1,1,2,2-Tetrachloroethane	0.55	U	0.23	1.4
n-Propylbenzene	0.15	U	0.13	0.98
4-Ethyltoluene	0.21	J	0.098	0.98
1,3,5-Trimethylbenzene	0.20	J	0.093	0.98
2-Chlorotoluene	0.41	U	0.16	1.0

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Analytical Data

Client: FPM Remediations Inc

Job Number: 200-27725-1

Client Sample ID: **101VMP0101GC**

Lab Sample ID: 200-27725-4
Client Matrix: Air

Date Sampled: 04/23/2015 1135
Date Received: 04/28/2015 1015

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-87597	Instrument ID:	CHX.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	13349-013.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	04/29/2015 2055			Final Weight/Volume:	200 mL
Prep Date:	04/29/2015 2055			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
tert-Butylbenzene	0.16	U	0.11	1.1
1,2,4-Trimethylbenzene	0.71	J	0.079	0.98
sec-Butylbenzene	0.16	U	0.12	1.1
4-Isopropyltoluene	0.16	U	0.11	1.1
1,3-Dichlorobenzene	0.18	U	0.12	1.2
1,4-Dichlorobenzene	0.18	U	0.11	1.2
Benzyl chloride	0.16	U	0.093	1.0
n-Butylbenzene	0.16	U	0.15	1.1
1,2-Dichlorobenzene	0.18	U	0.11	1.2
1,2,4-Trichlorobenzene	0.59	U	0.25	3.7
Hexachlorobutadiene	0.85	U	0.38	2.1
Naphthalene	0.42	U	0.16	2.6

Analytical Data

Client: FPM Remediations Inc

Job Number: 200-27725-1

Client Sample ID: 101IA0305GA

Lab Sample ID: 200-27725-5
Client Matrix: Air

Date Sampled: 04/23/2015 1115
Date Received: 04/28/2015 1015

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-87597	Instrument ID:	CHX.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	13349-021.D
Dilution:	8.0			Initial Weight/Volume:	25 mL
Analysis Date:	04/30/2015 0801			Final Weight/Volume:	200 mL
Prep Date:	04/30/2015 0801			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	1.6	U	0.45	4.0
Freon 22	1.6	U	0.64	4.0
1,2-Dichlorotetrafluoroethane	0.64	U	0.42	1.6
Chloromethane	1.6	U	0.48	4.0
n-Butane	12	D	1.4	4.0
Vinyl chloride	0.24	U	0.21	1.6
1,3-Butadiene	0.64	U	0.29	1.6
Bromomethane	0.64	U	0.35	1.6
Chloroethane	0.64	U	0.49	4.0
Bromoethene(Vinyl Bromide)	0.24	U	0.16	1.6
Trichlorofluoromethane	0.86	J D	0.36	1.6
Freon TF	0.64	U	0.33	1.6
1,1-Dichloroethene	0.24	U	0.080	1.6
Acetone	210	D	5.5	40
Isopropyl alcohol	93	D	1.2	40
Carbon disulfide	0.64	U	0.24	4.0
3-Chloropropene	1.6	U	1.3	4.0
Methylene Chloride	1.7	J D	0.96	4.0
tert-Butyl alcohol	1.6	U	0.96	40
Methyl tert-butyl ether	0.24	U	0.18	1.6
trans-1,2-Dichloroethene	0.24	U	0.22	1.6
n-Hexane	1.5	J D	0.22	1.6
1,1-Dichloroethane	0.24	U	0.22	1.6
Methyl Ethyl Ketone	5.0	D	0.74	4.0
cis-1,2-Dichloroethene	0.64	U	0.24	1.6
1,2-Dichloroethene, Total	0.64	U	0.42	1.6
Chloroform	0.64	U	0.30	1.6
Tetrahydrofuran	1.6	U	1.4	40
1,1,1-Trichloroethane	0.64	U	0.24	1.6
Cyclohexane	0.24	U	0.080	1.6
Carbon tetrachloride	0.24	U	0.088	1.6
2,2,4-Trimethylpentane	0.24	U	0.18	1.6
Benzene	0.52	J D	0.23	1.6
1,2-Dichloroethane	0.64	U	0.42	1.6
n-Heptane	0.97	J D	0.30	1.6
Trichloroethene	0.24	U	0.24	1.6
Methyl methacrylate	1.6	U	0.77	4.0
1,2-Dichloropropane	0.64	U	0.28	1.6
1,4-Dioxane	1.6	U	1.3	40
Bromodichloromethane	0.24	U	0.23	1.6
cis-1,3-Dichloropropene	0.24	U	0.23	1.6
methyl isobutyl ketone	2.8	J D	1.4	4.0
Toluene	8.8	D	0.20	1.6
trans-1,3-Dichloropropene	0.24	U	0.21	1.6
1,1,2-Trichloroethane	0.64	U	0.30	1.6
Tetrachloroethene	0.24	U	0.24	1.6

CWA 6/4/15

Analytical Data

Client: FPM Remediations Inc

Job Number: 200-27725-1

Client Sample ID: 101IA0305GA

Lab Sample ID: 200-27725-5
Client Matrix: Air

Date Sampled: 04/23/2015 1115
Date Received: 04/28/2015 1015

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-87597	Instrument ID:	CHX.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	13349-021.D
Dilution:	8.0			Initial Weight/Volume:	25 mL
Analysis Date:	04/30/2015 0801			Final Weight/Volume:	200 mL
Prep Date:	04/30/2015 0801			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Methyl Butyl Ketone (2-Hexanone)	1.6	U	1.4	4.0
Dibromochloromethane	0.24	U	0.16	1.6
1,2-Dibromoethane	0.24	U	0.14	1.6
Chlorobenzene	0.24	U	0.14	1.6
Ethylbenzene	0.42	J	0.16	1.6
m,p-Xylene	1.5	J	0.20	4.0
Xylene, o-	0.47	J	0.14	1.6
Xylene (total)	2.0		0.33	1.6
Styrene	0.24	U	0.13	1.6
Bromoform	0.24	U	0.20	1.6
Cumene	0.24	U	0.15	1.6
1,1,2,2-Tetrachloroethane	0.64	U	0.27	1.6
n-Propylbenzene	0.24	U	0.22	1.6
4-Ethyltoluene	0.24	U	0.16	1.6
1,3,5-Trimethylbenzene	0.24	U	0.15	1.6
2-Chlorotoluene	0.64	U	0.25	1.6
tert-Butylbenzene	0.24	U	0.16	1.6
1,2,4-Trimethylbenzene	0.44	J	0.13	1.6
sec-Butylbenzene	0.24	U	0.17	1.6
4-Isopropyltoluene	0.24	U	0.16	1.6
1,3-Dichlorobenzene	0.24	U	0.16	1.6
1,4-Dichlorobenzene	0.24	U	0.15	1.6
Benzyl chloride	0.24	U	0.14	1.6
n-Butylbenzene	0.24	U	0.22	1.6
1,2-Dichlorobenzene	0.24	U	0.14	1.6
1,2,4-Trichlorobenzene	0.64	U	0.27	4.0
Hexachlorobutadiene	0.64	U	0.29	1.6
Naphthalene	0.64	U	0.24	4.0

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Analyte	Result (ug/m3)	Qualifier	DL	LOQ
Dichlorodifluoromethane	7.9	U	2.2	20
Freon 22	5.7	U	2.3	14
1,2-Dichlorotetrafluoroethane	4.5	U	2.9	11
Chloromethane	3.3	U	0.99	8.3
n-Butane	29	D	3.4	9.5
Vinyl chloride	0.61	U	0.53	4.1
1,3-Butadiene	1.4	U	0.64	3.5
Bromomethane	2.5	U	1.4	6.2
Chloroethane	1.7	U	1.3	11
Bromoethene(Vinyl Bromide)	1.0	U	0.70	7.0
Trichlorofluoromethane	4.8	J	2.0	9.0
Freon TF	4.9	U	2.5	12
1,1-Dichloroethene	0.95	U	0.32	6.3
Acetone	510	D	13	95
Isopropyl alcohol	230	D	2.9	98
Carbon disulfide	2.0	U	0.75	12

Analytical Data

Client: FPM Remediations Inc

Job Number: 200-27725-1

Client Sample ID: 101IA0305GA

Lab Sample ID: 200-27725-5
Client Matrix: Air

Date Sampled: 04/23/2015 1115
Date Received: 04/28/2015 1015

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-87597	Instrument ID:	CHX.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	13349-021.D
Dilution:	8.0			Initial Weight/Volume:	25 mL
Analysis Date:	04/30/2015 0801			Final Weight/Volume:	200 mL
Prep Date:	04/30/2015 0801			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
3-Chloropropene	5.0	U	4.0	13
Methylene Chloride	5.8	J Ø	3.3	14
tert-Butyl alcohol	4.9	U	2.9	120
Methyl tert-butyl ether	0.87	U	0.63	5.8
trans-1,2-Dichloroethene	0.95	U	0.86	6.3
n-Hexane	5.1	J Ø	0.79	5.6
1,1-Dichloroethane	0.97	U	0.91	6.5
Methyl Ethyl Ketone	15	Ø	2.2	12
cis-1,2-Dichloroethene	2.5	U	0.95	6.3
1,2-Dichloroethene, Total	2.5	U	1.7	6.3
Chloroform	3.1	U	1.5	7.8
Tetrahydrofuran	4.7	U	4.2	120
1,1,1-Trichloroethane	3.5	U	1.3	8.7
Cyclohexane	0.83	U	0.28	5.5
Carbon tetrachloride	1.5	U	0.55	10
2,2,4-Trimethylpentane	1.1	U	0.86	7.5
Benzene	1.7	J Ø	0.74	5.1
1,2-Dichloroethane	2.6	U	1.7	6.5
n-Heptane	4.0	J Ø	1.2	6.6
Trichloroethene	1.3	U	1.3	8.6
Methyl methacrylate	6.6	U	3.1	16
1,2-Dichloropropane	3.0	U	1.3	7.4
1,4-Dioxane	5.8	U	4.6	140
Bromodichloromethane	1.6	U	1.6	11
cis-1,3-Dichloropropene	1.1	U	1.1	7.3
methyl isobutyl ketone	11	J Ø	5.9	16
Toluene	33	Ø	0.75	6.0
trans-1,3-Dichloropropene	1.1	U	0.94	7.3
1,1,2-Trichloroethane	3.5	U	1.6	8.7
Tetrachloroethene	1.6	U	1.6	11
Methyl Butyl Ketone (2-Hexanone)	6.6	U	5.6	16
Dibromochloromethane	2.0	U	1.4	14
1,2-Dibromoethane	1.8	U	1.1	12
Chlorobenzene	1.1	U	0.66	7.4
Ethylbenzene	1.8	J Ø	0.69	6.9
m,p-Xylene	6.5	J Ø	0.87	17
Xylene, o-	2.0	J Ø	0.63	6.9
Xylene (total)	8.6		1.4	6.9
Styrene	1.0	U	0.55	6.8
Bromoform	2.5	U	2.1	17
Cumene	1.2	U	0.75	7.9
1,1,2,2-Tetrachloroethane	4.4	U	1.9	11
n-Propylbenzene	1.2	U	1.1	7.9
4-Ethyltoluene	1.2	U	0.79	7.9
1,3,5-Trimethylbenzene	1.2	U	0.75	7.9
2-Chlorotoluene	3.3	U	1.3	8.3

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Analytical Data

Client: FPM Remediations Inc

Job Number: 200-27725-1

Client Sample ID: **101IA0305GA**

Lab Sample ID: 200-27725-5
Client Matrix: Air

Date Sampled: 04/23/2015 1115
Date Received: 04/28/2015 1015

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-87597	Instrument ID:	CHX.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	13349-021.D
Dilution:	8.0			Initial Weight/Volume:	25 mL
Analysis Date:	04/30/2015 0801			Final Weight/Volume:	200 mL
Prep Date:	04/30/2015 0801			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
tert-Butylbenzene	1.3	U	0.88	8.8
1,2,4-Trimethylbenzene	2.2	J Ø	0.63	7.9
sec-Butylbenzene	1.3	U	0.92	8.8
4-Isopropyltoluene	1.3	U	0.88	8.8
1,3-Dichlorobenzene	1.4	U	0.96	9.6
1,4-Dichlorobenzene	1.4	U	0.91	9.6
Benzyl chloride	1.2	U	0.75	8.3
n-Butylbenzene	1.3	U	1.2	8.8
1,2-Dichlorobenzene	1.4	U	0.87	9.6
1,2,4-Trichlorobenzene	4.7	U	2.0	30
Hexachlorobutadiene	6.8	U	3.1	17
Naphthalene	3.4	U	1.3	21

CWS
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Analytical Data

Client: FPM Remediations Inc

Job Number: 200-27725-1

Client Sample ID: 101IA0405GA

Lab Sample ID: 200-27725-6
Client Matrix: Air

Date Sampled: 04/23/2015 1110
Date Received: 04/28/2015 1015

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-87597	Instrument ID:	CHX.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	13349-022.D
Dilution:	5.0			Initial Weight/Volume:	40 mL
Analysis Date:	04/30/2015 0851			Final Weight/Volume:	200 mL
Prep Date:	04/30/2015 0851			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	0.47	J ⌀	0.28	2.5
Freon 22	1.0	U	0.40	2.5
1,2-Dichlorotetrafluoroethane	0.40	U	0.26	1.0
Chloromethane	1.0	U	0.30	2.5
n-Butane	4.9	⌀	0.90	2.5
Vinyl chloride	0.15	U	0.13	1.0
1,3-Butadiene	0.40	U	0.18	1.0
Bromomethane	0.40	U	0.22	1.0
Chloroethane	0.40	U	0.31	2.5
Bromoethene(Vinyl Bromide)	0.15	U	0.10	1.0
Trichlorofluoromethane	0.65	J ⌀	0.23	1.0
Freon TF	0.40	U	0.21	1.0
1,1-Dichloroethene	0.15	U	0.050	1.0
Acetone	110	⌀	3.5	25
Isopropyl alcohol	48	⌀	0.75	25
Carbon disulfide	0.40	U	0.15	2.5
3-Chloropropene	1.0	U	0.80	2.5
Methylene Chloride	1.0	J ⌀	0.60	2.5
tert-Butyl alcohol	1.0	U	0.60	25
Methyl tert-butyl ether	0.15	U	0.11	1.0
trans-1,2-Dichloroethene	0.15	U	0.14	1.0
n-Hexane	0.70	J ⌀	0.14	1.0
1,1-Dichloroethane	0.15	U	0.14	1.0
Methyl Ethyl Ketone	2.7	⌀ B	0.46	2.5
cis-1,2-Dichloroethene	0.40	U	0.15	1.0
1,2-Dichloroethene, Total	0.40	U	0.27	1.0
Chloroform	0.40	U	0.19	1.0
Tetrahydrofuran	1.0	U	0.90	25
1,1,1-Trichloroethane	0.40	U	0.15	1.0
Cyclohexane	0.15	U	0.050	1.0
Carbon tetrachloride	0.15	U	0.055	1.0
2,2,4-Trimethylpentane	0.15	U	0.12	1.0
Benzene	0.30	J ⌀	0.15	1.0
1,2-Dichloroethane	0.40	U	0.26	1.0
n-Heptane	0.40	U	0.19	1.0
Trichloroethene	0.15	U	0.15	1.0
Methyl methacrylate	1.0	U	0.48	2.5
1,2-Dichloropropane	0.40	U	0.18	1.0
1,4-Dioxane	1.0	U	0.80	25
Bromodichloromethane	0.15	U	0.15	1.0
cis-1,3-Dichloropropene	0.15	U	0.15	1.0
methyl isobutyl ketone	1.5	J ⌀	0.90	2.5
Toluene	4.4	⌀	0.13	1.0
trans-1,3-Dichloropropene	0.15	U	0.13	1.0
1,1,2-Trichloroethane	0.40	U	0.19	1.0
Tetrachloroethene	0.15	U	0.15	1.0

wd 6/4/15

Analytical Data

Client: FPM Remediations Inc

Job Number: 200-27725-1

Client Sample ID: 101IA0405GA

Lab Sample ID: 200-27725-6
Client Matrix: Air

Date Sampled: 04/23/2015 1110
Date Received: 04/28/2015 1015

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-87597	Instrument ID:	CHX.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	13349-022.D
Dilution:	5.0			Initial Weight/Volume:	40 mL
Analysis Date:	04/30/2015 0851			Final Weight/Volume:	200 mL
Prep Date:	04/30/2015 0851			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Methyl Butyl Ketone (2-Hexanone)	1.0	U	0.85	2.5
Dibromochloromethane	0.15	U	0.10	1.0
1,2-Dibromoethane	0.15	U	0.090	1.0
Chlorobenzene	0.15	U	0.090	1.0
Ethylbenzene	0.21	J Ø	0.10	1.0
m,p-Xylene	0.77	J Ø	0.13	2.5
Xylene, o-	0.27	J Ø	0.090	1.0
Xylene (total)	1.0		0.21	1.0
Styrene	0.15	U	0.080	1.0
Bromoform	0.15	U	0.13	1.0
Cumene	0.15	U	0.095	1.0
1,1,2,2-Tetrachloroethane	0.40	U	0.17	1.0
n-Propylbenzene	0.15	U	0.14	1.0
4-Ethyltoluene	0.15	U	0.10	1.0
1,3,5-Trimethylbenzene	0.15	U	0.095	1.0
2-Chlorotoluene	0.40	U	0.16	1.0
tert-Butylbenzene	0.15	U	0.10	1.0
1,2,4-Trimethylbenzene	0.18	J Ø	0.080	1.0
sec-Butylbenzene	0.15	U	0.11	1.0
4-Isopropyltoluene	0.15	U	0.10	1.0
1,3-Dichlorobenzene	0.15	U	0.10	1.0
1,4-Dichlorobenzene	0.15	U	0.095	1.0
Benzyl chloride	0.15	U	0.090	1.0
n-Butylbenzene	0.15	U	0.14	1.0
1,2-Dichlorobenzene	0.15	U	0.090	1.0
1,2,4-Trichlorobenzene	0.40	U	0.17	2.5
Hexachlorobutadiene	0.40	U	0.18	1.0
Naphthalene	0.40	U	0.15	2.5

CWD 6/4/15

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
Dichlorodifluoromethane	2.3	J Ø	1.4	12
Freon 22	3.5	U	1.4	8.8
1,2-Dichlorotetrafluoroethane	2.8	U	1.8	7.0
Chloromethane	2.1	U	0.62	5.2
n-Butane	12	Ø	2.1	5.9
Vinyl chloride	0.38	U	0.33	2.6
1,3-Butadiene	0.88	U	0.40	2.2
Bromomethane	1.6	U	0.85	3.9
Chloroethane	1.1	U	0.80	6.6
Bromoethene(Vinyl Bromide)	0.66	U	0.44	4.4
Trichlorofluoromethane	3.7	J Ø	1.3	5.6
Freon TF	3.1	U	1.6	7.7
1,1-Dichloroethene	0.59	U	0.20	4.0
Acetone	260	Ø	8.2	59
Isopropyl alcohol	120	Ø	1.8	61
Carbon disulfide	1.2	U	0.47	7.8

Analytical Data

Client: FPM Remediations Inc

Job Number: 200-27725-1

Client Sample ID: 101IA0405GA

Lab Sample ID: 200-27725-6
Client Matrix: Air

Date Sampled: 04/23/2015 1110
Date Received: 04/28/2015 1015

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-87597	Instrument ID:	CHX.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	13349-022.D
Dilution:	5.0			Initial Weight/Volume:	40 mL
Analysis Date:	04/30/2015 0851			Final Weight/Volume:	200 mL
Prep Date:	04/30/2015 0851			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
3-Chloropropene	3.1	U	2.5	7.8
Methylene Chloride	3.5	J B	2.1	8.7
tert-Butyl alcohol	3.0	U	1.8	76
Methyl tert-butyl ether	0.54	U	0.40	3.6
trans-1,2-Dichloroethene	0.59	U	0.54	4.0
n-Hexane	2.5	J	0.49	3.5
1,1-Dichloroethane	0.61	U	0.57	4.0
Methyl Ethyl Ketone	7.9	B	1.4	7.4
cis-1,2-Dichloroethene	1.6	U	0.59	4.0
1,2-Dichloroethene, Total	1.6	U	1.1	4.0
Chloroform	2.0	U	0.93	4.9
Tetrahydrofuran	2.9	U	2.7	74
1,1,1-Trichloroethane	2.2	U	0.82	5.5
Cyclohexane	0.52	U	0.17	3.4
Carbon tetrachloride	0.94	U	0.35	6.3
2,2,4-Trimethylpentane	0.70	U	0.54	4.7
Benzene	0.96	J	0.46	3.2
1,2-Dichloroethane	1.6	U	1.1	4.0
n-Heptane	1.6	U	0.76	4.1
Trichloroethene	0.81	U	0.81	5.4
Methyl methacrylate	4.1	U	2.0	10
1,2-Dichloropropane	1.8	U	0.81	4.6
1,4-Dioxane	3.6	U	2.9	90
Bromodichloromethane	1.0	U	0.97	6.7
cis-1,3-Dichloropropene	0.68	U	0.66	4.5
methyl isobutyl ketone	6.3	J	3.7	10
Toluene	17		0.47	3.8
trans-1,3-Dichloropropene	0.68	U	0.59	4.5
1,1,2-Trichloroethane	2.2	U	1.0	5.5
Tetrachloroethene	1.0	U	1.0	6.8
Methyl Butyl Ketone (2-Hexanone)	4.1	U	3.5	10
Dibromochloromethane	1.3	U	0.85	8.5
1,2-Dibromoethane	1.2	U	0.69	7.7
Chlorobenzene	0.69	U	0.41	4.6
Ethylbenzene	0.90	J	0.43	4.3
m,p-Xylene	3.3	J	0.54	11
Xylene, o-	1.2	J	0.39	4.3
Xylene (total)	4.5		0.89	4.3
Styrene	0.64	U	0.34	4.3
Bromoform	1.6	U	1.3	10
Cumene	0.74	U	0.47	4.9
1,1,2,2-Tetrachloroethane	2.7	U	1.2	6.9
n-Propylbenzene	0.74	U	0.66	4.9
4-Ethyltoluene	0.74	U	0.49	4.9
1,3,5-Trimethylbenzene	0.74	U	0.47	4.9
2-Chlorotoluene	2.1	U	0.80	5.2

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Analytical Data

Client: FPM Remediations Inc

Job Number: 200-27725-1

Client Sample ID: **101IA0405GA**

Lab Sample ID: 200-27725-6
Client Matrix: Air

Date Sampled: 04/23/2015 1110
Date Received: 04/28/2015 1015

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-87597	Instrument ID:	CHX.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	13349-022.D
Dilution:	5.0			Initial Weight/Volume:	40 mL
Analysis Date:	04/30/2015 0851			Final Weight/Volume:	200 mL
Prep Date:	04/30/2015 0851			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
tert-Butylbenzene	0.82	U	0.55	5.5
1,2,4-Trimethylbenzene	0.87	J Ø	0.39	4.9
sec-Butylbenzene	0.82	U	0.58	5.5
4-Isopropyltoluene	0.82	U	0.55	5.5
1,3-Dichlorobenzene	0.90	U	0.60	6.0
1,4-Dichlorobenzene	0.90	U	0.57	6.0
Benzyl chloride	0.78	U	0.47	5.2
n-Butylbenzene	0.82	U	0.77	5.5
1,2-Dichlorobenzene	0.90	U	0.54	6.0
1,2,4-Trichlorobenzene	3.0	U	1.3	19
Hexachlorobutadiene	4.3	U	1.9	11
Naphthalene	2.1	U	0.79	13

CMS
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Analytical Data

Client: FPM Remediations Inc

Job Number: 200-27725-1

Client Sample ID: **101OA0305GA**

Lab Sample ID: 200-27725-7
Client Matrix: Air

Date Sampled: 04/23/2015 1120
Date Received: 04/28/2015 1015

TO-15 Volatile Organic Compounds In Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-87597	Instrument ID:	CHX.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	13349-016.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	04/29/2015 2323			Final Weight/Volume:	200 mL
Prep Date:	04/29/2015 2323			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	0.46	J	0.056	0.50
Freon 22	0.25	J	0.080	0.50
1,2-Dichlorotetrafluoroethane	0.080	U	0.052	0.20
Chloromethane	0.59		0.060	0.50
n-Butane	0.20	U	0.18	0.50
Vinyl chloride	0.030	U	0.026	0.20
1,3-Butadiene	0.080	U	0.036	0.20
Bromomethane	0.080	U	0.044	0.20
Chloroethane	0.080	U	0.061	0.50
Bromoethene(Vinyl Bromide)	0.030	U	0.020	0.20
Trichlorofluoromethane	0.21		0.045	0.20
Freon TF	0.078	J	0.041	0.20
1,1-Dichloroethene	0.030	U	0.010	0.20
Acetone	2.5	U	0.69	5.0
Isopropyl alcohol	0.50	U	0.15	5.0
Carbon disulfide	0.080	U	0.030	0.50
3-Chloropropene	0.20	U	0.16	0.50
Methylene Chloride	0.25	J	0.12	0.50
tert-Butyl alcohol	0.20	U	0.12	5.0
Methyl tert-butyl ether	0.030	U	0.022	0.20
trans-1,2-Dichloroethene	0.030	U	0.027	0.20
n-Hexane	0.030	U	0.028	0.20
1,1-Dichloroethane	0.030	U	0.028	0.20
Methyl Ethyl Ketone	0.20	U	0.092	0.50
cis-1,2-Dichloroethene	0.080	U	0.030	0.20
1,2-Dichloroethene, Total	0.080	U	0.053	0.20
Chloroform	0.080	U	0.038	0.20
Tetrahydrofuran	0.20	U	0.18	5.0
1,1,1-Trichloroethane	0.080	U	0.030	0.20
Cyclohexane	0.030	U	0.010	0.20
Carbon tetrachloride	0.075	J	0.011	0.20
2,2,4-Trimethylpentane	0.030	U	0.023	0.20
Benzene	0.091	J	0.029	0.20
1,2-Dichloroethane	0.080	U	0.052	0.20
n-Heptane	0.080	U	0.037	0.20
Trichloroethene	0.030	U	0.030	0.20
Methyl methacrylate	0.20	U	0.096	0.50
1,2-Dichloropropane	0.080	U	0.035	0.20
1,4-Dioxane	0.20	U	0.16	5.0
Bromodichloromethane	0.030	U	0.029	0.20
cis-1,3-Dichloropropene	0.030	U	0.029	0.20
methyl isobutyl ketone	0.20	U	0.18	0.50
Toluene	0.034	J	0.025	0.20
trans-1,3-Dichloropropene	0.030	U	0.026	0.20
1,1,2-Trichloroethane	0.080	U	0.037	0.20
Tetrachloroethene	0.030	U	0.030	0.20

Analytical Data

Client: FPM Remediations Inc

Job Number: 200-27725-1

Client Sample ID: 101OA0305GA

Lab Sample ID: 200-27725-7
Client Matrix: Air

Date Sampled: 04/23/2015 1120
Date Received: 04/28/2015 1015

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-87597	Instrument ID:	CHX.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	13349-016.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	04/29/2015 2323			Final Weight/Volume:	200 mL
Prep Date:	04/29/2015 2323			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Methyl Butyl Ketone (2-Hexanone)	0.20	U	0.17	0.50
Dibromochloromethane	0.030	U	0.020	0.20
1,2-Dibromoethane	0.030	U	0.018	0.20
Chlorobenzene	0.030	U	0.018	0.20
Ethylbenzene	0.030	U	0.020	0.20
m,p-Xylene	0.060	U	0.025	0.50
Xylene, o-	0.030	U	0.018	0.20
Xylene (total)	0.090	U	0.041	0.20
Styrene	0.030	U	0.016	0.20
Bromoform	0.030	U	0.025	0.20
Cumene	0.030	U	0.019	0.20
1,1,2,2-Tetrachloroethane	0.080	U	0.034	0.20
n-Propylbenzene	0.030	U	0.027	0.20
4-Ethyltoluene	0.030	U	0.020	0.20
1,3,5-Trimethylbenzene	0.030	U	0.019	0.20
2-Chlorotoluene	0.080	U	0.031	0.20
tert-Butylbenzene	0.030	U	0.020	0.20
1,2,4-Trimethylbenzene	0.030	U	0.016	0.20
sec-Butylbenzene	0.030	U	0.021	0.20
4-Isopropyltoluene	0.030	U	0.020	0.20
1,3-Dichlorobenzene	0.030	U	0.020	0.20
1,4-Dichlorobenzene	0.030	U	0.019	0.20
Benzyl chloride	0.030	U	0.018	0.20
n-Butylbenzene	0.030	U	0.028	0.20
1,2-Dichlorobenzene	0.030	U	0.018	0.20
1,2,4-Trichlorobenzene	0.080	U	0.034	0.50
Hexachlorobutadiene	0.080	U	0.036	0.20
Naphthalene	0.080	U	0.030	0.50

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
Dichlorodifluoromethane	2.3	J	0.28	2.5
Freon 22	0.88	J	0.28	1.8
1,2-Dichlorotetrafluoroethane	0.56	U	0.36	1.4
Chloromethane	1.2		0.12	1.0
n-Butane	0.48	U	0.43	1.2
Vinyl chloride	0.077	U	0.066	0.51
1,3-Butadiene	0.18	U	0.080	0.44
Bromomethane	0.31	U	0.17	0.78
Chloroethane	0.21	U	0.16	1.3
Bromoethene(Vinyl Bromide)	0.13	U	0.087	0.87
Trichlorofluoromethane	1.2		0.25	1.1
Freon TF	0.60	J	0.31	1.5
1,1-Dichloroethene	0.12	U	0.040	0.79
Acetone	5.9	U	1.6	12
Isopropyl alcohol	1.2	U	0.37	12
Carbon disulfide	0.25	U	0.093	1.6

Analytical Data

Client: FPM Remediations Inc

Job Number: 200-27725-1

Client Sample ID: 101OA0305GA

Lab Sample ID: 200-27725-7
Client Matrix: Air

Date Sampled: 04/23/2015 1120
Date Received: 04/28/2015 1015

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-87597	Instrument ID:	CHX.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	13349-016.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	04/29/2015 2323			Final Weight/Volume:	200 mL
Prep Date:	04/29/2015 2323			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
3-Chloropropene	0.63	U	0.50	1.6
Methylene Chloride	0.88	J	0.42	1.7
tert-Butyl alcohol	0.61	U	0.36	15
Methyl tert-butyl ether	0.11	U	0.079	0.72
trans-1,2-Dichloroethene	0.12	U	0.11	0.79
n-Hexane	0.11	U	0.099	0.70
1,1-Dichloroethane	0.12	U	0.11	0.81
Methyl Ethyl Ketone	0.59	U	0.27	1.5
cis-1,2-Dichloroethene	0.32	U	0.12	0.79
1,2-Dichloroethene, Total	0.32	U	0.21	0.79
Chloroform	0.39	U	0.19	0.98
Tetrahydrofuran	0.59	U	0.53	15
1,1,1-Trichloroethane	0.44	U	0.16	1.1
Cyclohexane	0.10	U	0.034	0.69
Carbon tetrachloride	0.47	J	0.069	1.3
2,2,4-Trimethylpentane	0.14	U	0.11	0.93
Benzene	0.29	J	0.093	0.64
1,2-Dichloroethane	0.32	U	0.21	0.81
n-Heptane	0.33	U	0.15	0.82
Trichloroethene	0.16	U	0.16	1.1
Methyl methacrylate	0.82	U	0.39	2.0
1,2-Dichloropropane	0.37	U	0.16	0.92
1,4-Dioxane	0.72	U	0.58	18
Bromodichloromethane	0.20	U	0.19	1.3
cis-1,3-Dichloropropene	0.14	U	0.13	0.91
methyl isobutyl ketone	0.82	U	0.74	2.0
Toluene	0.13	J	0.094	0.75
trans-1,3-Dichloropropene	0.14	U	0.12	0.91
1,1,2-Trichloroethane	0.44	U	0.20	1.1
Tetrachloroethene	0.20	U	0.20	1.4
Methyl Butyl Ketone (2-Hexanone)	0.82	U	0.70	2.0
Dibromochloromethane	0.26	U	0.17	1.7
1,2-Dibromoethane	0.23	U	0.14	1.5
Chlorobenzene	0.14	U	0.083	0.92
Ethylbenzene	0.13	U	0.087	0.87
m,p-Xylene	0.26	U	0.11	2.2
Xylene, o-	0.13	U	0.078	0.87
Xylene (total)	0.39	U	0.18	0.87
Styrene	0.13	U	0.068	0.85
Bromoform	0.31	U	0.26	2.1
Cumene	0.15	U	0.093	0.98
1,1,2,2-Tetrachloroethane	0.55	U	0.23	1.4
n-Propylbenzene	0.15	U	0.13	0.98
4-Ethyltoluene	0.15	U	0.098	0.98
1,3,5-Trimethylbenzene	0.15	U	0.093	0.98
2-Chlorotoluene	0.41	U	0.16	1.0

Analytical Data

Client: FPM Remediations Inc

Job Number: 200-27725-1

Client Sample ID: 101OA0305GA

Lab Sample ID: 200-27725-7
Client Matrix: Air

Date Sampled: 04/23/2015 1120
Date Received: 04/28/2015 1015

TO-15 Volatile Organic Compounds In Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-87597	Instrument ID:	CHX.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	13349-016.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	04/29/2015 2323			Final Weight/Volume:	200 mL
Prep Date:	04/29/2015 2323			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
tert-Butylbenzene	0.16	U	0.11	1.1
1,2,4-Trimethylbenzene	0.15	U	0.079	0.98
sec-Butylbenzene	0.16	U	0.12	1.1
4-Isopropyltoluene	0.16	U	0.11	1.1
1,3-Dichlorobenzene	0.18	U	0.12	1.2
1,4-Dichlorobenzene	0.18	U	0.11	1.2
Benzyl chloride	0.16	U	0.093	1.0
n-Butylbenzene	0.16	U	0.15	1.1
1,2-Dichlorobenzene	0.18	U	0.11	1.2
1,2,4-Trichlorobenzene	0.59	U	0.25	3.7
Hexachlorobutadiene	0.85	U	0.38	2.1
Naphthalene	0.42	U	0.16	2.6

Analytical Data

Client: FPM Remediations Inc

Job Number: 200-27725-1

Client Sample ID: 101CA01GA

Lab Sample ID: 200-27725-8
Client Matrix: Air

Date Sampled: 04/22/2015 0930
Date Received: 04/28/2015 1015

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-87597	Instrument ID:	CHX.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	13349-017.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	04/30/2015 0012			Final Weight/Volume:	200 mL
Prep Date:	04/30/2015 0012			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	0.53		0.056	0.50
Freon 22	0.35	J	0.080	0.50
1,2-Dichlorotetrafluoroethane	0.080	U	0.052	0.20
Chloromethane	0.20	U	0.060	0.50
n-Butane	0.54		0.18	0.50
Vinyl chloride	0.030	U	0.026	0.20
1,3-Butadiene	0.080	U	0.036	0.20
Bromomethane	0.080	U	0.044	0.20
Chloroethane	0.080	U	0.061	0.50
Bromoethene(Vinyl Bromide)	0.030	U	0.020	0.20
Trichlorofluoromethane	0.61		0.045	0.20
Freon TF	0.12	J	0.041	0.20
1,1-Dichloroethene	0.030	U	0.010	0.20
Acetone	10		0.69	5.0
Isopropyl alcohol	2.1	J	0.15	5.0
Carbon disulfide	0.25	J	0.030	0.50
3-Chloropropene	0.20	U	0.16	0.50
Methylene Chloride	0.27	J	0.12	0.50
tert-Butyl alcohol	0.20	U	0.12	5.0
Methyl tert-butyl ether	0.030	U	0.022	0.20
trans-1,2-Dichloroethene	0.030	U	0.027	0.20
n-Hexane	0.030	U	0.028	0.20
1,1-Dichloroethane	0.030	U	0.028	0.20
Methyl Ethyl Ketone	0.82	B	0.092	0.50
cis-1,2-Dichloroethene	0.080	U	0.030	0.20
1,2-Dichloroethene, Total	0.080	U	0.053	0.20
Chloroform	19		0.038	0.20
Tetrahydrofuran	0.26	J	0.18	5.0
1,1,1-Trichloroethane	0.33		0.030	0.20
Cyclohexane	0.030	U	0.010	0.20
Carbon tetrachloride	0.40		0.011	0.20
2,2,4-Trimethylpentane	0.030	U	0.023	0.20
Benzene	0.052	J	0.029	0.20
1,2-Dichloroethane	0.080	U	0.052	0.20
n-Heptane	0.080	U	0.037	0.20
Trichloroethene	8.6		0.030	0.20
Methyl methacrylate	0.20	U	0.096	0.50
1,2-Dichloropropane	0.080	U	0.035	0.20
1,4-Dioxane	0.20	U	0.16	5.0
Bromodichloromethane	0.13	J	0.029	0.20
cis-1,3-Dichloropropene	0.030	U	0.029	0.20
methyl isobutyl ketone	0.20	U	0.18	0.50
Toluene	0.28		0.025	0.20
trans-1,3-Dichloropropene	0.030	U	0.026	0.20
1,1,2-Trichloroethane	0.080	U	0.037	0.20
Tetrachloroethene	1.7		0.030	0.20

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Analytical Data

Client: FPM Remediations Inc

Job Number: 200-27725-1

Client Sample ID: **101CA01GA**

Lab Sample ID: 200-27725-8
Client Matrix: Air

Date Sampled: 04/22/2015 0930
Date Received: 04/28/2015 1015

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-87597	Instrument ID:	CHX.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	13349-017.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	04/30/2015 0012			Final Weight/Volume:	200 mL
Prep Date:	04/30/2015 0012			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Methyl Butyl Ketone (2-Hexanone)	0.20	U	0.17	0.50
Dibromochloromethane	0.030	U	0.020	0.20
1,2-Dibromoethane	0.030	U	0.018	0.20
Chlorobenzene	0.030	U	0.018	0.20
Ethylbenzene	0.038	J	0.020	0.20
m,p-Xylene	0.15	J	0.025	0.50
Xylene, o-	0.059	J	0.018	0.20
Xylene (total)	0.21		0.041	0.20
Styrene	0.030	U	0.016	0.20
Bromoform	0.030	U	0.025	0.20
Cumene	0.030	U	0.019	0.20
1,1,2,2-Tetrachloroethane	0.080	U	0.034	0.20
n-Propylbenzene	0.030	U	0.027	0.20
4-Ethyltoluene	0.030	U	0.020	0.20
1,3,5-Trimethylbenzene	0.030	U	0.019	0.20
2-Chlorotoluene	0.080	U	0.031	0.20
tert-Butylbenzene	0.030	U	0.020	0.20
1,2,4-Trimethylbenzene	0.028	J	0.016	0.20
sec-Butylbenzene	0.030	U	0.021	0.20
4-Isopropyltoluene	0.030	U	0.020	0.20
1,3-Dichlorobenzene	0.030	U	0.020	0.20
1,4-Dichlorobenzene	0.030	U	0.019	0.20
Benzyl chloride	0.030	U	0.018	0.20
n-Butylbenzene	0.030	U	0.028	0.20
1,2-Dichlorobenzene	0.030	U	0.018	0.20
1,2,4-Trichlorobenzene	0.080	U	0.034	0.50
Hexachlorobutadiene	0.080	U	0.036	0.20
Naphthalene	0.080	U	0.030	0.50

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
Dichlorodifluoromethane	2.6		0.28	2.5
Freon 22	1.2	J	0.28	1.8
1,2-Dichlorotetrafluoroethane	0.56	U	0.36	1.4
Chloromethane	0.41	U	0.12	1.0
n-Butane	1.3		0.43	1.2
Vinyl chloride	0.077	U	0.066	0.51
1,3-Butadiene	0.18	U	0.080	0.44
Bromomethane	0.31	U	0.17	0.78
Chloroethane	0.21	U	0.16	1.3
Bromoethene(Vinyl Bromide)	0.13	U	0.087	0.87
Trichlorofluoromethane	3.4		0.25	1.1
Freon TF	0.93	J	0.31	1.5
1,1-Dichloroethene	0.12	U	0.040	0.79
Acetone	24		1.6	12
Isopropyl alcohol	5.2	J	0.37	12
Carbon disulfide	0.79	J	0.093	1.6

Analytical Data

Client: FPM Remediations Inc

Job Number: 200-27725-1

Client Sample ID: 101CA01GA

Lab Sample ID: 200-27725-8
Client Matrix: Air

Date Sampled: 04/22/2015 0930
Date Received: 04/28/2015 1015

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-87597	Instrument ID:	CHX.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	13349-017.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	04/30/2015 0012			Final Weight/Volume:	200 mL
Prep Date:	04/30/2015 0012			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
3-Chloropropene	0.63	U	0.50	1.6
Methylene Chloride	0.93	J	0.42	1.7
tert-Butyl alcohol	0.61	U	0.36	15
Methyl tert-butyl ether	0.11	U	0.079	0.72
trans-1,2-Dichloroethene	0.12	U	0.11	0.79
n-Hexane	0.11	U	0.099	0.70
1,1-Dichloroethane	0.12	U	0.11	0.81
Methyl Ethyl Ketone	2.4	B	0.27	1.5
cis-1,2-Dichloroethene	0.32	U	0.12	0.79
1,2-Dichloroethene, Total	0.32	U	0.21	0.79
Chloroform	92		0.19	0.98
Tetrahydrofuran	0.77	J	0.53	15
1,1,1-Trichloroethane	1.8		0.16	1.1
Cyclohexane	0.10	U	0.034	0.69
Carbon tetrachloride	2.5		0.069	1.3
2,2,4-Trimethylpentane	0.14	U	0.11	0.93
Benzene	0.17	J	0.093	0.64
1,2-Dichloroethane	0.32	U	0.21	0.81
n-Heptane	0.33	U	0.15	0.82
Trichloroethene	46		0.16	1.1
Methyl methacrylate	0.82	U	0.39	2.0
1,2-Dichloropropane	0.37	U	0.16	0.92
1,4-Dioxane	0.72	U	0.58	18
Bromodichloromethane	0.89	J	0.19	1.3
cis-1,3-Dichloropropene	0.14	U	0.13	0.91
methyl isobutyl ketone	0.82	U	0.74	2.0
Toluene	1.0		0.094	0.75
trans-1,3-Dichloropropene	0.14	U	0.12	0.91
1,1,2-Trichloroethane	0.44	U	0.20	1.1
Tetrachloroethene	11		0.20	1.4
Methyl Butyl Ketone (2-Hexanone)	0.82	U	0.70	2.0
Dibromochloromethane	0.26	U	0.17	1.7
1,2-Dibromoethane	0.23	U	0.14	1.5
Chlorobenzene	0.14	U	0.083	0.92
Ethylbenzene	0.16	J	0.087	0.87
m,p-Xylene	0.66	J	0.11	2.2
Xylene, o-	0.25	J	0.078	0.87
Xylene (total)	0.91		0.18	0.87
Styrene	0.13	U	0.068	0.85
Bromoform	0.31	U	0.26	2.1
Cumene	0.15	U	0.093	0.98
1,1,2,2-Tetrachloroethane	0.55	U	0.23	1.4
n-Propylbenzene	0.15	U	0.13	0.98
4-Ethyltoluene	0.15	U	0.098	0.98
1,3,5-Trimethylbenzene	0.15	U	0.093	0.98
2-Chlorotoluene	0.41	U	0.16	1.0

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Analytical Data

Client: FPM Remediations Inc

Job Number: 200-27725-1

Client Sample ID: 101CA01GA

Lab Sample ID: 200-27725-8
Client Matrix: Air

Date Sampled: 04/22/2015 0930
Date Received: 04/28/2015 1015

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-87597	Instrument ID:	CHX.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	13349-017.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	04/30/2015 0012			Final Weight/Volume:	200 mL
Prep Date:	04/30/2015 0012			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
tert-Butylbenzene	0.16	U	0.11	1.1
1,2,4-Trimethylbenzene	0.14	J	0.079	0.98
sec-Butylbenzene	0.16	U	0.12	1.1
4-Isopropyltoluene	0.16	U	0.11	1.1
1,3-Dichlorobenzene	0.18	U	0.12	1.2
1,4-Dichlorobenzene	0.18	U	0.11	1.2
Benzyl chloride	0.16	U	0.093	1.0
n-Butylbenzene	0.16	U	0.15	1.1
1,2-Dichlorobenzene	0.18	U	0.11	1.2
1,2,4-Trichlorobenzene	0.59	U	0.25	3.7
Hexachlorobutadiene	0.85	U	0.38	2.1
Naphthalene	0.42	U	0.16	2.6

Analytical Data

Client: FPM Remediations Inc

Job Number: 200-27725-1

Client Sample ID: 042215TB

Lab Sample ID: 200-27725-9TB
Client Matrix: Air

Date Sampled: 04/22/2015 0900
Date Received: 04/28/2015 1015

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-87597	Instrument ID:	CHX.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	13349-018.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	04/30/2015 0102			Final Weight/Volume:	200 mL
Prep Date:	04/30/2015 0102			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Dichlorodifluoromethane	0.20	U	0.056	0.50
Freon 22	0.20	U	0.080	0.50
1,2-Dichlorotetrafluoroethane	0.080	U	0.052	0.20
Chloromethane	0.20	U	0.060	0.50
n-Butane	0.20	U	0.18	0.50
Vinyl chloride	0.030	U	0.026	0.20
1,3-Butadiene	0.080	U	0.036	0.20
Bromomethane	0.080	U	0.044	0.20
Chloroethane	0.080	U	0.061	0.50
Bromoethene(Vinyl Bromide)	0.030	U	0.020	0.20
Trichlorofluoromethane	0.080	U	0.045	0.20
Freon TF	0.080	U	0.041	0.20
1,1-Dichloroethene	0.030	U	0.010	0.20
Acetone	2.5	U	0.69	5.0
Isopropyl alcohol	0.50	U	0.15	5.0
Carbon disulfide	0.080	U	0.030	0.50
3-Chloropropene	0.20	U	0.16	0.50
Methylene Chloride	0.20	U	0.12	0.50
tert-Butyl alcohol	0.20	U	0.12	5.0
Methyl tert-butyl ether	0.030	U	0.022	0.20
trans-1,2-Dichloroethene	0.030	U	0.027	0.20
n-Hexane	0.030	U	0.028	0.20
1,1-Dichloroethane	0.030	U	0.028	0.20
Methyl Ethyl Ketone	0.59		0.092	0.50
cis-1,2-Dichloroethene	0.080	U	0.030	0.20
1,2-Dichloroethene, Total	0.080	U	0.053	0.20
Chloroform	0.080	U	0.038	0.20
Tetrahydrofuran	0.20	U	0.18	5.0
1,1,1-Trichloroethane	0.080	U	0.030	0.20
Cyclohexane	0.030	U	0.010	0.20
Carbon tetrachloride	0.030	U	0.011	0.20
2,2,4-Trimethylpentane	0.030	U	0.023	0.20
Benzene	0.030	U	0.029	0.20
1,2-Dichloroethane	0.080	U	0.052	0.20
n-Heptane	0.080	U	0.037	0.20
Trichloroethene	0.030	U	0.030	0.20
Methyl methacrylate	0.20	U	0.096	0.50
1,2-Dichloropropane	0.080	U	0.035	0.20
1,4-Dioxane	0.20	U	0.16	5.0
Bromodichloromethane	0.030	U	0.029	0.20
cis-1,3-Dichloropropene	0.030	U	0.029	0.20
methyl isobutyl ketone	0.20	U	0.18	0.50
Toluene	0.030	U	0.025	0.20
trans-1,3-Dichloropropene	0.030	U	0.026	0.20
1,1,2-Trichloroethane	0.080	U	0.037	0.20
Tetrachloroethene	0.030	U	0.030	0.20

Analytical Data

Client: FPM Remediations Inc

Job Number: 200-27725-1

Client Sample ID: 042215TB

Lab Sample ID: 200-27725-9TB
Client Matrix: Air

Date Sampled: 04/22/2015 0900
Date Received: 04/28/2015 1015

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-87597	Instrument ID:	CHX.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	13349-018.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	04/30/2015 0102			Final Weight/Volume:	200 mL
Prep Date:	04/30/2015 0102			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	DL	LOQ
Methyl Butyl Ketone (2-Hexanone)	0.20	U	0.17	0.50
Dibromochloromethane	0.030	U	0.020	0.20
1,2-Dibromoethane	0.030	U	0.018	0.20
Chlorobenzene	0.030	U	0.018	0.20
Ethylbenzene	0.030	U	0.020	0.20
m,p-Xylene	0.060	U	0.025	0.50
Xylene, o-	0.030	U	0.018	0.20
Xylene (total)	0.090	U	0.041	0.20
Styrene	0.030	U	0.016	0.20
Bromoform	0.030	U	0.025	0.20
Cumene	0.030	U	0.019	0.20
1,1,2,2-Tetrachloroethane	0.080	U	0.034	0.20
n-Propylbenzene	0.030	U	0.027	0.20
4-Ethyltoluene	0.030	U	0.020	0.20
1,3,5-Trimethylbenzene	0.030	U	0.019	0.20
2-Chlorotoluene	0.080	U	0.031	0.20
tert-Butylbenzene	0.030	U	0.020	0.20
1,2,4-Trimethylbenzene	0.030	U	0.016	0.20
sec-Butylbenzene	0.030	U	0.021	0.20
4-Isopropyltoluene	0.030	U	0.020	0.20
1,3-Dichlorobenzene	0.030	U	0.020	0.20
1,4-Dichlorobenzene	0.030	U	0.019	0.20
Benzyl chloride	0.030	U	0.018	0.20
n-Butylbenzene	0.030	U	0.028	0.20
1,2-Dichlorobenzene	0.030	U	0.018	0.20
1,2,4-Trichlorobenzene	0.080	U	0.034	0.50
Hexachlorobutadiene	0.080	U	0.036	0.20
Naphthalene	0.080	U	0.030	0.50

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
Dichlorodifluoromethane	0.99	U	0.28	2.5
Freon 22	0.71	U	0.28	1.8
1,2-Dichlorotetrafluoroethane	0.56	U	0.36	1.4
Chloromethane	0.41	U	0.12	1.0
n-Butane	0.48	U	0.43	1.2
Vinyl chloride	0.077	U	0.066	0.51
1,3-Butadiene	0.18	U	0.080	0.44
Bromomethane	0.31	U	0.17	0.78
Chloroethane	0.21	U	0.16	1.3
Bromoethene(Vinyl Bromide)	0.13	U	0.087	0.87
Trichlorofluoromethane	0.45	U	0.25	1.1
Freon TF	0.61	U	0.31	1.5
1,1-Dichloroethene	0.12	U	0.040	0.79
Acetone	5.9	U	1.6	12
Isopropyl alcohol	1.2	U	0.37	12
Carbon disulfide	0.25	U	0.093	1.6

Client: FPM Remediations Inc

Job Number: 200-27725-1

Client Sample ID: 042215TB

Lab Sample ID: 200-27725-9TB

Client Matrix: Air

Date Sampled: 04/22/2015 0900

Date Received: 04/28/2015 1015

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-87597	Instrument ID:	CHX.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	13349-018.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	04/30/2015 0102			Final Weight/Volume:	200 mL
Prep Date:	04/30/2015 0102			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
3-Chloropropene	0.63	U	0.50	1.6
Methylene Chloride	0.69	U	0.42	1.7
tert-Butyl alcohol	0.61	U	0.36	15
Methyl tert-butyl ether	0.11	U	0.079	0.72
trans-1,2-Dichloroethene	0.12	U	0.11	0.79
n-Hexane	0.11	U	0.099	0.70
1,1-Dichloroethane	0.12	U	0.11	0.81
Methyl Ethyl Ketone	1.8		0.27	1.5
cis-1,2-Dichloroethene	0.32	U	0.12	0.79
1,2-Dichloroethene, Total	0.32	U	0.21	0.79
Chloroform	0.39	U	0.19	0.98
Tetrahydrofuran	0.59	U	0.53	15
1,1,1-Trichloroethane	0.44	U	0.16	1.1
Cyclohexane	0.10	U	0.034	0.69
Carbon tetrachloride	0.19	U	0.069	1.3
2,2,4-Trimethylpentane	0.14	U	0.11	0.93
Benzene	0.096	U	0.093	0.64
1,2-Dichloroethane	0.32	U	0.21	0.81
n-Heptane	0.33	U	0.15	0.82
Trichloroethene	0.16	U	0.16	1.1
Methyl methacrylate	0.82	U	0.39	2.0
1,2-Dichloropropane	0.37	U	0.16	0.92
1,4-Dioxane	0.72	U	0.58	18
Bromodichloromethane	0.20	U	0.19	1.3
cis-1,3-Dichloropropene	0.14	U	0.13	0.91
methyl isobutyl ketone	0.82	U	0.74	2.0
Toluene	0.11	U	0.094	0.75
trans-1,3-Dichloropropene	0.14	U	0.12	0.91
1,1,2-Trichloroethane	0.44	U	0.20	1.1
Tetrachloroethene	0.20	U	0.20	1.4
Methyl Butyl Ketone (2-Hexanone)	0.82	U	0.70	2.0
Dibromochloromethane	0.26	U	0.17	1.7
1,2-Dibromoethane	0.23	U	0.14	1.5
Chlorobenzene	0.14	U	0.083	0.92
Ethylbenzene	0.13	U	0.087	0.87
m,p-Xylene	0.26	U	0.11	2.2
Xylene, o-	0.13	U	0.078	0.87
Xylene (total)	0.39	U	0.18	0.87
Styrene	0.13	U	0.068	0.85
Bromoform	0.31	U	0.26	2.1
Cumene	0.15	U	0.093	0.98
1,1,2,2-Tetrachloroethane	0.55	U	0.23	1.4
n-Propylbenzene	0.15	U	0.13	0.98
4-Ethyltoluene	0.15	U	0.098	0.98
1,3,5-Trimethylbenzene	0.15	U	0.093	0.98
2-Chlorotoluene	0.41	U	0.16	1.0

Client: FPM Remediations Inc

Job Number: 200-27725-1

Client Sample ID: **042215TB**

Lab Sample ID: 200-27725-9TB
Client Matrix: Air

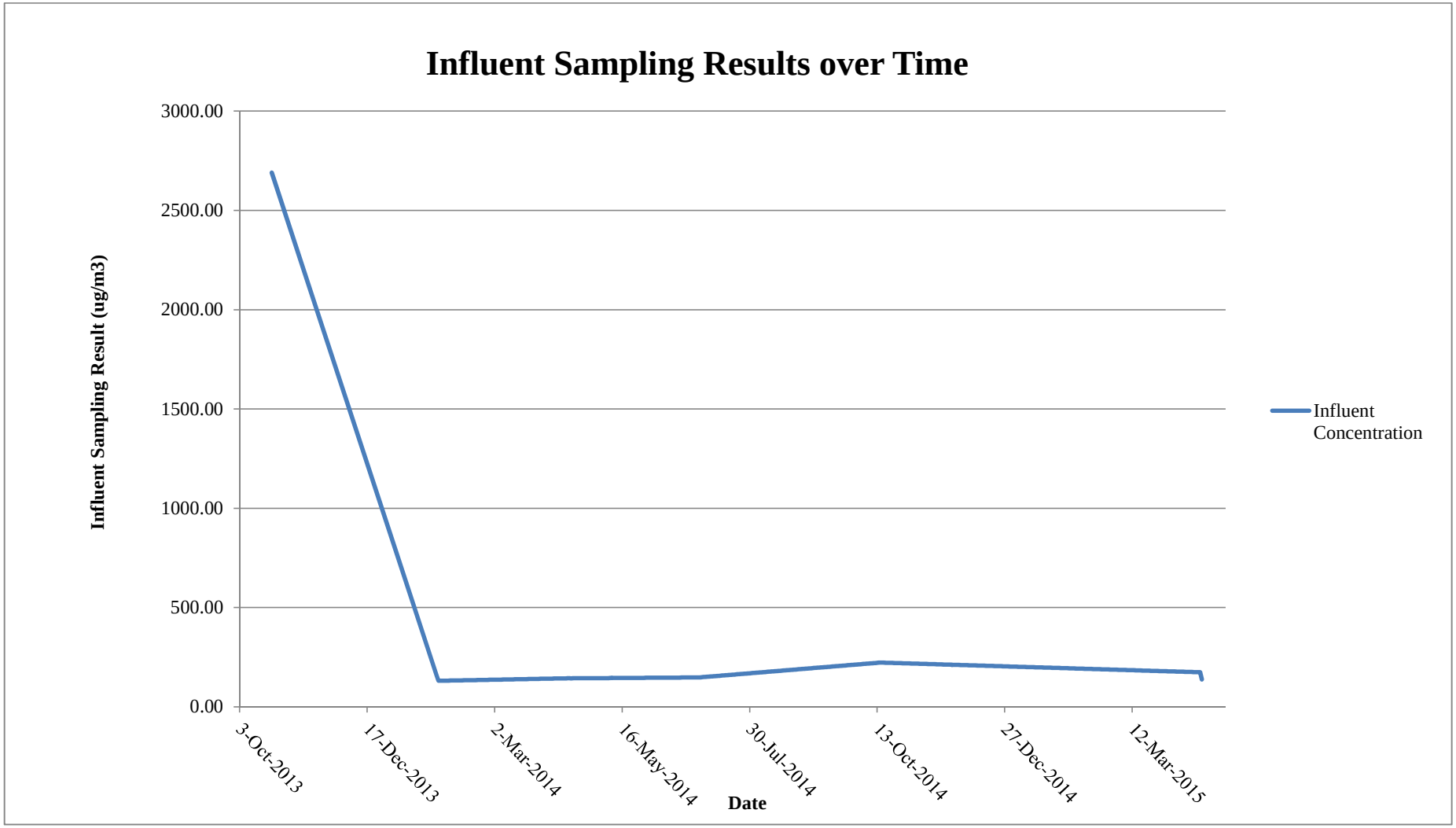
Date Sampled: 04/22/2015 0900
Date Received: 04/28/2015 1015

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-87597	Instrument ID:	CHX.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	13349-018.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	04/30/2015 0102			Final Weight/Volume:	200 mL
Prep Date:	04/30/2015 0102			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	DL	LOQ
tert-Butylbenzene	0.16	U	0.11	1.1
1,2,4-Trimethylbenzene	0.15	U	0.079	0.98
sec-Butylbenzene	0.16	U	0.12	1.1
4-Isopropyltoluene	0.16	U	0.11	1.1
1,3-Dichlorobenzene	0.18	U	0.12	1.2
1,4-Dichlorobenzene	0.18	U	0.11	1.2
Benzyl chloride	0.16	U	0.093	1.0
n-Butylbenzene	0.16	U	0.15	1.1
1,2-Dichlorobenzene	0.18	U	0.11	1.2
1,2,4-Trichlorobenzene	0.59	U	0.25	3.7
Hexachlorobutadiene	0.85	U	0.38	2.1
Naphthalene	0.42	U	0.16	2.6

Appendix F
Mass Contaminant Removal Calculation and Table


Influent Sampling Results over Time
Influent Sampling Result (ug/m3)
3000.00
2500.00
2000.00
1500.00
1000.00
500.00
0.00
3-Oct-2013
17-Dec-2013
2-Mar-2014
16-May-2014
30-Jul-2014
13-Oct-2014
27-Dec-2014
12-Mar-2015
Date
Influent Concentration

ST006 Building 101 AOC
Contaminant Mass Removal

Date	Influent Sampling Results (ug/m3)	Derived Influent Concentrations (ug/m^3)	Average Flow Rate (acfm)	Influent Mass (mg/day)
22-Oct-13	3877.6	3877.60	17	2690.00
23-Oct-13		3839.01	17	2663.23
24-Oct-13		3801.37	17	2637.12
25-Oct-13		3763.74	17	2611.01
26-Oct-13		3726.10	17	2584.90
27-Oct-13		3688.46	17	2558.79
28-Oct-13		3650.83	17	2532.69
29-Oct-13		3613.19	17	2506.58
30-Oct-13		3575.55	17	2480.47
31-Oct-13		3537.92	17	2454.36
1-Nov-13		3500.28	17	2428.25
2-Nov-13		3462.65	17	2402.14
3-Nov-13		3425.01	17	2376.03
4-Nov-13		3387.37	17	2349.92
5-Nov-13		3349.74	17	2323.81
6-Nov-13		3312.10	17	2297.70
7-Nov-13		3274.46	17	2271.59
8-Nov-13		3236.83	17	2245.48
9-Nov-13		3199.19	17	2219.37
10-Nov-13		3161.56	17	2193.26
11-Nov-13		3123.92	17	2167.15
12-Nov-13		3086.28	17	2141.04
13-Nov-13		3048.65	17	2114.93
14-Nov-13		3011.01	17	2088.83
15-Nov-13		2973.37	17	2062.72
16-Nov-13		2935.74	17	2036.61
17-Nov-13		2898.10	17	2010.50
18-Nov-13		2860.47	17	1984.39
19-Nov-13		2822.83	17	1958.28
20-Nov-13		2785.19	17	1932.17
21-Nov-13		2747.56	17	1906.06
22-Nov-13		2709.92	17	1879.95
23-Nov-13		2672.28	17	1853.84
24-Nov-13		2634.65	17	1827.73
25-Nov-13		2597.01	17	1801.62
26-Nov-13		2559.37	17	1775.51
27-Nov-13		2521.74	17	1749.40
28-Nov-13		2484.10	17	1723.29
29-Nov-13		2446.47	17	1697.18
30-Nov-13		2408.83	17	1671.08
1-Dec-13		2371.19	17	1644.97
2-Dec-13		2333.56	17	1618.86
3-Dec-13		2295.92	17	1592.75
4-Dec-13		2258.28	17	1566.64
5-Dec-13		2220.65	17	1540.53
6-Dec-13		2183.01	17	1514.42
7-Dec-13		2145.38	17	1488.31
8-Dec-13		2107.74	17	1462.20
9-Dec-13		2070.10	17	1436.09
10-Dec-13		2032.47	17	1409.98
11-Dec-13		1994.83	17	1383.87
12-Dec-13		1957.19	17	1357.76
13-Dec-13		1919.56	17	1331.65
14-Dec-13		1881.92	17	1305.54
15-Dec-13		1844.29	17	1279.43
16-Dec-13		1806.65	17	1253.32
17-Dec-13		1769.01	17	1227.22
18-Dec-13		1731.38	17	1201.11
19-Dec-13		1693.74	17	1175.00
20-Dec-13		1656.10	17	1148.89
21-Dec-13		1618.47	17	1122.78
22-Dec-13		1580.83	17	1096.67
23-Dec-13		1543.19	17	1070.56
24-Dec-13		1505.56	17	1044.45
25-Dec-13		1467.92	17	1018.34
26-Dec-13		1430.29	17	992.23
27-Dec-13		1392.65	17	966.12
28-Dec-13		1355.01	17	940.01
29-Dec-13		1317.38	17	913.90
30-Dec-13		1279.74	17	887.79
31-Dec-13		1242.10	17	861.68
1-Jan-14		1204.47	17	835.57
2-Jan-14		1166.83	17	809.47
3-Jan-14		1129.20	17	783.36
4-Jan-14		1091.56	17	757.25
5-Jan-14		1053.92	17	731.14

ST006 Building 101 AOC
Contaminant Mass Removal

Date	Influent Sampling Results (ug/m3)	Derived Influent Concentrations (ug/m^3)	Average Flow Rate (acfm)	Influent Mass (mg/day)
6-Jan-14		1016.29	17	705.03
7-Jan-14		978.65	17	678.92
8-Jan-14		941.01	17	652.81
9-Jan-14		903.38	17	626.70
10-Jan-14		865.74	17	600.59
11-Jan-14		828.10	17	574.48
12-Jan-14		790.47	17	548.37
13-Jan-14		752.83	17	522.26
14-Jan-14		715.20	17	496.15
15-Jan-14		677.56	17	470.04
16-Jan-14		639.92	17	443.93
17-Jan-14		602.29	17	417.82
18-Jan-14		564.65	17	391.71
19-Jan-14		527.01	17	365.61
20-Jan-14		489.38	17	339.50
21-Jan-14		451.74	17	313.39
22-Jan-14		414.11	17	287.28
23-Jan-14		376.47	17	261.17
24-Jan-14		338.83	17	235.06
25-Jan-14		301.20	17	208.95
26-Jan-14		263.56	17	182.84
27-Jan-14		225.92	17	156.73
28-Jan-14	189.24	189.24	17	131.28
29-Jan-14		189.51	17	131.47
30-Jan-14		189.75	17	131.64
31-Jan-14		190.00	17	131.81
1-Feb-14		190.24	17	131.97
2-Feb-14		190.48	17	132.14
3-Feb-14		190.72	17	132.31
4-Feb-14		190.96	17	132.47
5-Feb-14		191.20	17	132.64
6-Feb-14		191.44	17	132.81
7-Feb-14		191.68	17	132.98
8-Feb-14		191.92	17	133.14
9-Feb-14		192.16	17	133.31
10-Feb-14		192.41	17	133.48
11-Feb-14		192.65	17	133.64
12-Feb-14		192.89	17	133.81
13-Feb-14		193.13	17	133.98
14-Feb-14		193.37	17	134.15
15-Feb-14		193.61	17	134.31
16-Feb-14		193.85	17	134.48
17-Feb-14		194.09	17	134.65
18-Feb-14		194.33	17	134.82
19-Feb-14		194.57	17	134.98
20-Feb-14		194.82	17	135.15
21-Feb-14		195.06	17	135.32
22-Feb-14		195.30	17	135.48
23-Feb-14		195.54	17	135.65
24-Feb-14		195.78	17	135.82
25-Feb-14		196.02	17	135.99
26-Feb-14		196.26	17	136.15
27-Feb-14		196.50	17	136.32
28-Feb-14		196.74	17	136.49
1-Mar-14		196.99	17	136.65
2-Mar-14		197.23	17	136.82
3-Mar-14		197.47	17	136.99
4-Mar-14		197.71	17	137.16
5-Mar-14		197.95	17	137.32
6-Mar-14		198.19	17	137.49
7-Mar-14		198.43	17	137.66
8-Mar-14		198.67	17	137.82
9-Mar-14		198.91	17	137.99
10-Mar-14		199.15	17	138.16
11-Mar-14		199.40	17	138.33
12-Mar-14		199.64	17	138.49
13-Mar-14		199.88	17	138.66
14-Mar-14		200.12	17	138.83
15-Mar-14		200.36	17	139.00
16-Mar-14		200.60	17	139.16
17-Mar-14		200.84	17	139.33
18-Mar-14		201.08	17	139.50
19-Mar-14		201.32	17	139.66
20-Mar-14		201.57	17	139.83
21-Mar-14		201.81	17	140.00

ST006 Building 101 AOC
Contaminant Mass Removal

Date	Influent Sampling Results (ug/m3)	Derived Influent Concentrations (ug/m^3)	Average Flow Rate (acfm)	Influent Mass (mg/day)
22-Mar-14		202.05	17	140.17
23-Mar-14		202.29	17	140.33
24-Mar-14		202.53	17	140.50
25-Mar-14		202.77	17	140.67
26-Mar-14		203.01	17	140.83
27-Mar-14		203.25	17	141.00
28-Mar-14		203.49	17	141.17
29-Mar-14		203.73	17	141.34
30-Mar-14		203.98	17	141.50
31-Mar-14		204.22	17	141.67
1-Apr-14		204.46	17	141.84
2-Apr-14		204.70	17	142.01
3-Apr-14		204.94	17	142.17
4-Apr-14		205.18	17	142.34
5-Apr-14		205.42	17	142.51
6-Apr-14		205.66	17	142.67
7-Apr-14		205.90	17	142.84
8-Apr-14		206.14	17	143.01
9-Apr-14		206.39	17	143.18
10-Apr-14		206.63	17	143.34
11-Apr-14		206.87	17	143.51
12-Apr-14		207.11	17	143.68
13-Apr-14		207.35	17	143.84
14-Apr-14		207.59	17	144.01
15-Apr-14	207.83	207.83	17	144.18
16-Apr-14		207.30	17	143.81
17-Apr-14		207.38	17	143.87
18-Apr-14		207.47	17	143.93
19-Apr-14		207.55	17	143.99
20-Apr-14		207.64	17	144.05
21-Apr-14		207.73	17	144.10
22-Apr-14		207.81	17	144.16
23-Apr-14		207.90	17	144.22
24-Apr-14		207.98	17	144.28
25-Apr-14		208.07	17	144.34
26-Apr-14		208.15	17	144.40
27-Apr-14		208.24	17	144.46
28-Apr-14		208.32	17	144.52
29-Apr-14		208.41	17	144.58
30-Apr-14		208.50	17	144.64
1-May-14		208.58	17	144.70
2-May-14		208.67	17	144.76
3-May-14		208.75	17	144.82
4-May-14		208.84	17	144.88
5-May-14		208.92	17	144.94
6-May-14		209.01	17	145.00
7-May-14		209.10	17	145.06
8-May-14		209.18	17	145.12
9-May-14		209.27	17	145.18
10-May-14		209.35	17	145.23
11-May-14		209.44	17	145.29

ST006 Building 101 AOC
Contaminant Mass Removal

Date	Influent Sampling Results (ug/m3)	Derived Influent Concentrations (ug/m^3)	Average Flow Rate (acfm)	Influent Mass (mg/day)
12-May-14		209.52	17	145.35
13-May-14		209.61	17	145.41
14-May-14		209.70	17	145.47
15-May-14		209.78	17	145.53
16-May-14		209.87	17	145.59
17-May-14		209.95	17	145.65
18-May-14		210.04	17	145.71
19-May-14		210.12	17	145.77
20-May-14		210.21	17	145.83
21-May-14		210.30	17	145.89
22-May-14		210.38	17	145.95
23-May-14		210.47	17	146.01
24-May-14		210.55	17	146.07
25-May-14		210.64	17	146.13
26-May-14		210.72	17	146.19
27-May-14		210.81	17	146.25
28-May-14		210.90	17	146.30
29-May-14		210.98	17	146.36
30-May-14		211.07	17	146.42
31-May-14		211.15	17	146.48
1-Jun-14		211.24	17	146.54
2-Jun-14		211.32	17	146.60
3-Jun-14		211.41	17	146.66
4-Jun-14		211.50	17	146.72
5-Jun-14		211.58	17	146.78
6-Jun-14		211.67	17	146.84
7-Jun-14		211.75	17	146.90
8-Jun-14		211.84	17	146.96
9-Jun-14		211.92	17	147.02
10-Jun-14		212.01	17	147.08
11-Jun-14		212.10	17	147.14
12-Jun-14		212.18	17	147.20
13-Jun-14		212.27	17	147.26
14-Jun-14		212.35	17	147.32
15-Jun-14		212.44	17	147.37
16-Jun-14		212.52	17	147.43
17-Jun-14		212.61	17	147.49
18-Jun-14		212.70	17	147.55
19-Jun-14		212.78	17	147.61
20-Jun-14		212.87	17	147.67
21-Jun-14		212.95	17	147.73
22-Jun-14		213.04	17	147.79
23-Jun-14		213.12	17	147.85
24-Jun-14		213.21	17	147.91
25-Jun-14		213.30	17	147.97
26-Jun-14		213.38	17	148.03
27-Jun-14		213.47	17	148.09
28-Jun-14		213.55	17	148.15
29-Jun-14		213.64	17	148.21
30-Jun-14		213.72	17	148.27
1-Jul-14	214.4	214.40	17	148.74
2-Jul-14		215.50	17	149.50
3-Jul-14		216.51	17	150.20
4-Jul-14		217.52	17	150.90
5-Jul-14		218.54	17	151.60
6-Jul-14		219.55	17	152.31
7-Jul-14		220.56	17	153.01
8-Jul-14		221.57	17	153.71
9-Jul-14		222.58	17	154.41
10-Jul-14		223.59	17	155.11
11-Jul-14		224.61	17	155.82
12-Jul-14		225.62	17	156.52
13-Jul-14		226.63	17	157.22
14-Jul-14		227.64	17	157.92
15-Jul-14		228.65	17	158.62
16-Jul-14		229.66	17	159.33
17-Jul-14		230.68	17	160.03
18-Jul-14		231.69	17	160.73
19-Jul-14		232.70	17	161.43
20-Jul-14		233.71	17	162.13
21-Jul-14		234.72	17	162.83
22-Jul-14		235.74	17	163.54
23-Jul-14		236.75	17	164.24
24-Jul-14		237.76	17	164.94
25-Jul-14		238.77	17	165.64
26-Jul-14		239.78	17	166.34
27-Jul-14		240.79	17	167.05
28-Jul-14		241.81	17	167.75
29-Jul-14		242.82	17	168.45
30-Jul-14		243.83	17	169.15

ST006 Building 101 AOC
Contaminant Mass Removal

Date	Influent Sampling Results (ug/m3)	Derived Influent Concentrations (ug/m^3)	Average Flow Rate (acfm)	Influent Mass (mg/day)
31-Jul-14		244.84	17	169.85
1-Aug-14		245.85	17	170.56
2-Aug-14		246.87	17	171.26
3-Aug-14		247.88	17	171.96
4-Aug-14		248.89	17	172.66
5-Aug-14		249.90	17	173.36
6-Aug-14		250.91	17	174.07
7-Aug-14		251.92	17	174.77
8-Aug-14		252.94	17	175.47
9-Aug-14		253.95	17	176.17
10-Aug-14		254.96	17	176.87
11-Aug-14		255.97	17	177.57
12-Aug-14		256.98	17	178.28
13-Aug-14		258.00	17	178.98
14-Aug-14		259.01	17	179.68
15-Aug-14		260.02	17	180.38
16-Aug-14		261.03	17	181.08
17-Aug-14		262.04	17	181.79
18-Aug-14		263.05	17	182.49
19-Aug-14		264.07	17	183.19
20-Aug-14		265.08	17	183.89
21-Aug-14		266.09	17	184.59
22-Aug-14		267.10	17	185.30
23-Aug-14		268.11	17	186.00
24-Aug-14		269.13	17	186.70
25-Aug-14		270.14	17	187.40
26-Aug-14		271.15	17	188.10
27-Aug-14		272.16	17	188.81
28-Aug-14		273.17	17	189.51
29-Aug-14		274.18	17	190.21
30-Aug-14		275.20	17	190.91
31-Aug-14		276.21	17	191.61
1-Sep-14		277.22	17	192.32
2-Sep-14		278.23	17	193.02
3-Sep-14		279.24	17	193.72
4-Sep-14		280.25	17	194.42
5-Sep-14		281.27	17	195.12
6-Sep-14		282.28	17	195.82
7-Sep-14		283.29	17	196.53
8-Sep-14		284.30	17	197.23
9-Sep-14		285.31	17	197.93
10-Sep-14		286.33	17	198.63
11-Sep-14		287.34	17	199.33
12-Sep-14		288.35	17	200.04
13-Sep-14		289.36	17	200.74
14-Sep-14		290.37	17	201.44
15-Sep-14		291.38	17	202.14
16-Sep-14		292.40	17	202.84
17-Sep-14		293.41	17	203.55
18-Sep-14		294.42	17	204.25
19-Sep-14		295.43	17	204.95
20-Sep-14		296.44	17	205.65
21-Sep-14		297.46	17	206.35
22-Sep-14		298.47	17	207.06
23-Sep-14		299.48	17	207.76
24-Sep-14		300.49	17	208.46
25-Sep-14		301.50	17	209.16
26-Sep-14		302.51	17	209.86
27-Sep-14		303.53	17	210.56
28-Sep-14		304.54	17	211.27
29-Sep-14		305.55	17	211.97
30-Sep-14		306.56	17	212.67
1-Oct-14		307.57	17	213.37
2-Oct-14		308.59	17	214.07
3-Oct-14		309.60	17	214.78
4-Oct-14		310.61	17	215.48
5-Oct-14		311.62	17	216.18
6-Oct-14		312.63	17	216.88
7-Oct-14		313.64	17	217.58
8-Oct-14		314.66	17	218.29
9-Oct-14		315.67	17	218.99
10-Oct-14		316.68	17	219.69
11-Oct-14		317.69	17	220.39
12-Oct-14		318.70	17	221.09
13-Oct-14		319.72	17	221.80
14-Oct-14		320.73	17	222.50
15-Oct-14	321.65	321.65	17	223.14
16-Oct-14		321.27	17	222.87
17-Oct-14		320.90	17	222.61
18-Oct-14		320.52	17	222.35

ST006 Building 101 AOC
Contaminant Mass Removal

Date	Influent Sampling Results (ug/m3)	Derived Influent Concentrations (ug/m^3)	Average Flow Rate (acfm)	Influent Mass (mg/day)
19-Oct-14		320.15	17	222.10
20-Oct-14		319.77	17	221.84
21-Oct-14		319.40	17	221.58
22-Oct-14		319.02	17	221.32
23-Oct-14		318.65	17	221.06
24-Oct-14		318.27	17	220.80
25-Oct-14		317.90	17	220.54
26-Oct-14		317.53	17	220.28
27-Oct-14		317.15	17	220.02
28-Oct-14		316.78	17	219.76
29-Oct-14		316.40	17	219.50
30-Oct-14		316.03	17	219.24
31-Oct-14		315.65	17	218.98
1-Nov-14		315.28	17	218.72
2-Nov-14		314.90	17	218.46
3-Nov-14		314.53	17	218.20
4-Nov-14		314.16	17	217.94
5-Nov-14		313.78	17	217.68
6-Nov-14		313.41	17	217.42
7-Nov-14		313.03	17	217.16
8-Nov-14		312.66	17	216.90
9-Nov-14		312.28	17	216.64
10-Nov-14		311.91	17	216.38
11-Nov-14		311.53	17	216.12
12-Nov-14		311.16	17	215.86
13-Nov-14		310.79	17	215.60
14-Nov-14		310.41	17	215.34
15-Nov-14		310.04	17	215.08
16-Nov-14		309.66	17	214.82
17-Nov-14		309.29	17	214.56
18-Nov-14		308.91	17	214.30
19-Nov-14		308.54	17	214.04
20-Nov-14		308.16	17	213.78
21-Nov-14		307.79	17	213.52
22-Nov-14		307.42	17	213.26
23-Nov-14		307.04	17	213.00
24-Nov-14		306.67	17	212.74
25-Nov-14		306.29	17	212.48
26-Nov-14		305.92	17	212.22
27-Nov-14		305.54	17	211.96
28-Nov-14		305.17	17	211.70
29-Nov-14		304.79	17	211.44
30-Nov-14		304.42	17	211.19
1-Dec-14		304.05	17	210.93
2-Dec-14		303.67	17	210.67
3-Dec-14		303.30	17	210.41
4-Dec-14		302.92	17	210.15
5-Dec-14		302.55	17	209.89
6-Dec-14		302.17	17	209.63
7-Dec-14		301.80	17	209.37
8-Dec-14		301.42	17	209.11
9-Dec-14		301.05	17	208.85
10-Dec-14		300.68	17	208.59
11-Dec-14		300.30	17	208.33
12-Dec-14		299.93	17	208.07
13-Dec-14		299.55	17	207.81
14-Dec-14		299.18	17	207.55
15-Dec-14		298.80	17	207.29
16-Dec-14		298.43	17	207.03
17-Dec-14		298.05	17	206.77
18-Dec-14		297.68	17	206.51
19-Dec-14		297.31	17	206.25
20-Dec-14		296.93	17	205.99
21-Dec-14		296.56	17	205.73
22-Dec-14		296.18	17	205.47
23-Dec-14		295.81	17	205.21
24-Dec-14		295.43	17	204.95
25-Dec-14		295.06	17	204.69
26-Dec-14		294.68	17	204.43
27-Dec-14		294.31	17	204.17
28-Dec-14		293.94	17	203.91
29-Dec-14		293.56	17	203.65
30-Dec-14		293.19	17	203.39
31-Dec-14		292.81	17	203.13
1-Jan-15		292.44	17	202.87
2-Jan-15		292.06	17	202.61
3-Jan-15		291.69	17	202.35
4-Jan-15		291.31	17	202.09
5-Jan-15		290.94	17	201.83
6-Jan-15		290.57	17	201.57

ST006 Building 101 AOC
Contaminant Mass Removal

Date	Influent Sampling Results (ug/m3)	Derived Influent Concentrations (ug/m^3)	Average Flow Rate (acfm)	Influent Mass (mg/day)
7-Jan-15		290.19	17	201.31
8-Jan-15		289.82	17	201.05
9-Jan-15		289.44	17	200.79
10-Jan-15		289.07	17	200.53
11-Jan-15		288.69	17	200.27
12-Jan-15		288.32	17	200.02
13-Jan-15		287.94	17	199.76
14-Jan-15		287.57	17	199.50
15-Jan-15		287.20	17	199.24
16-Jan-15		286.82	17	198.98
17-Jan-15		286.45	17	198.72
18-Jan-15		286.07	17	198.46
19-Jan-15		285.70	17	198.20
20-Jan-15	285.33	285.33	17	197.94
21-Jan-15		284.95	17	197.68
22-Jan-15		284.57	17	197.42
23-Jan-15		284.20	17	197.16
24-Jan-15		283.83	17	196.90
25-Jan-15		283.45	17	196.64
26-Jan-15		283.08	17	196.38
27-Jan-15		282.70	17	196.12
28-Jan-15		282.33	17	195.86
29-Jan-15		281.95	17	195.60
30-Jan-15		281.58	17	195.34
31-Jan-15		281.20	17	195.08
1-Feb-15		280.83	17	194.82
2-Feb-15		280.46	17	194.56
3-Feb-15		280.08	17	194.30
4-Feb-15		279.71	17	194.04
5-Feb-15		279.33	17	193.78
6-Feb-15		278.96	17	193.52
7-Feb-15		278.58	17	193.26
8-Feb-15		278.21	17	193.00
9-Feb-15		277.83	17	192.74
10-Feb-15		277.46	17	192.48
11-Feb-15		277.09	17	192.22
12-Feb-15		276.71	17	191.96
13-Feb-15		276.34	17	191.70
14-Feb-15		275.96	17	191.44
15-Feb-15		275.59	17	191.18
16-Feb-15		275.21	17	190.92
17-Feb-15		274.84	17	190.66
18-Feb-15		274.46	17	190.40
19-Feb-15		274.09	17	190.14
20-Feb-15		273.72	17	189.88
21-Feb-15		273.34	17	189.62
22-Feb-15		272.97	17	189.36
23-Feb-15		272.59	17	189.11
24-Feb-15		272.22	17	188.85
25-Feb-15		271.84	17	188.59
26-Feb-15		271.47	17	188.33
27-Feb-15		271.09	17	188.07
28-Feb-15		270.72	17	187.81
1-Mar-15		270.35	17	187.55
2-Mar-15		269.97	17	187.29
3-Mar-15		269.60	17	187.03
4-Mar-15		269.22	17	186.77
5-Mar-15		268.85	17	186.51
6-Mar-15		268.47	17	186.25
7-Mar-15		268.10	17	185.99
8-Mar-15		267.72	17	185.73
9-Mar-15		267.35	17	185.47
10-Mar-15		266.98	17	185.21
11-Mar-15		266.60	17	184.95
12-Mar-15		266.23	17	184.69
13-Mar-15		265.85	17	184.43
14-Mar-15		265.48	17	184.17
15-Mar-15		265.10	17	183.91
16-Mar-15		264.73	17	183.65
17-Mar-15		264.35	17	183.39
18-Mar-15		263.98	17	183.13
19-Mar-15		263.61	17	182.87
20-Mar-15		263.23	17	182.61
21-Mar-15		262.86	17	182.35
22-Mar-15		262.48	17	182.09
23-Mar-15		262.11	17	181.83
24-Mar-15		261.73	17	181.57
25-Mar-15		261.36	17	181.31
26-Mar-15		260.98	17	181.05
27-Mar-15		260.61	17	180.79

ST006 Building 101 AOC
Contaminant Mass Removal

Date	Influent Sampling Results (ug/m3)	Derived Influent Concentrations (ug/m^3)	Average Flow Rate (acfm)	Influent Mass (mg/day)
28-Mar-15		260.24	17	180.53
29-Mar-15		259.86	17	180.27
30-Mar-15		259.49	17	180.01
31-Mar-15		259.11	17	179.75
1-Apr-15		258.74	17	179.49
2-Apr-15		258.36	17	179.23
3-Apr-15		257.99	17	178.97
4-Apr-15		257.61	17	178.71
5-Apr-15		257.24	17	178.45
6-Apr-15		256.87	17	178.20
7-Apr-15		256.49	17	177.94
8-Apr-15		256.12	17	177.68
9-Apr-15		255.74	17	177.42
10-Apr-15		255.37	17	177.16
11-Apr-15		254.99	17	176.90
12-Apr-15		254.62	17	176.64
13-Apr-15		254.24	17	176.38
14-Apr-15		253.87	17	176.12
15-Apr-15		253.50	17	175.86
16-Apr-15		253.12	17	175.60
17-Apr-15		252.75	17	175.34
18-Apr-15		252.37	17	175.08
19-Apr-15		252.00	17	174.82
20-Apr-15		251.62	17	174.56
21-Apr-15		251.25	17	174.30
22-Apr-15	200.00	200.00	17	138.75
			SUM	218,675.45

Note:
Influent Mass = Influent conc. (ug/m3) * Average Flow Rate (m3/day)
(The influent concentration is based on empirical data collected during quarterly sampling events, and then interpolated linearly between data points.)