

February 13, 2014
File No. 21.0056546.00 Task 40



Mr. Glenn May
NYSDEC Region 9
270 Michigan Avenue
Buffalo, NY 14203

535 Washington Street
11th Floor
Buffalo, New York
14203
716-685-2300
FAX 716-685-3629
<http://www.gza.com>

Re: Vapor Intrusion Assessment
Technical Center – Building 6
200 Upper Mountain Road
Lockport, New York

Dear Mr. May:

GZA GeoEnvironmental of New York (GZA) is pleased to submit this letter report to the New York State Department of Environmental Conservation (NYSDEC), on behalf of GM Components Holdings, LLC (GMCH), summarizing the results of the vapor intrusion (VI) assessment completed at Building 6 (see Figure 1). The building is currently leased by Delphi Properties Management LLC (Delphi), as a tenant to GMCH, and is operated as an Engineering and Technical Center by Delphi.

PURPOSE

The purpose of this VI assessment was to assess whether contaminant vapors associated with the compounds of concern (tetrachloroethylene (PCE), trichloroethylene (TCE), 1,2-dichloroethene (cis-DCE) and vinyl chloride (VC)), identified in the groundwater in the vicinity of Building 6, are impacting sub-slab soil gas or indoor air quality in Building 6.

SOIL VAPOR INTRUSION ACTIVITIES

The following activities were done by GZA as part of the VI assessment conducted in January 2014.

WORK PLAN

GZA prepared a Work Plan¹, dated January 7, 2014 for the VI assessment which was approved by NYSDEC, in a letter dated January 9, 2014.

¹ “Work Plan for Vapor Intrusion Assessment, Technical Center – Building 6, 200 Upper Mountain Road, Lockport, New York” dated January 7, 2014.



PRODUCT INVENTORY

Prior to completing the VI assessment, Delphi provided GZA with a chemical inventory list of the products that are used within Building 6. Delphi maintains a database of chemicals and chemical products stored and used in Building 6. The list was reviewed to determine if there were chemicals and/or products containing chlorinated volatile organics that could have the potential to create interference or bias in the air sampling results.

Delphi also provided GZA with the results of the database query for the following seven (7) compounds.

- Tetrachloroethene (PCE): CAS# 127-18-4
- Trichloroethene (TCE): CAS# 79-01-6
- Cis-1,2,-dichloroethene: (cis-DCE): CAS# 156-59-2
- Trans-1,2-dichloroethene (trans-DCE): CAS# 156-60-5
- Vinyl chloride (VC): CAS# 75-01-4
- Carbon tetrachloride (CT): CAS# 56-23-5
- 1,1,1-trichloroethane (1,1,1-TCA): CAS# 71-55-6

The query identified eight (8) products that contained at least one (1) of the seven (7) compounds listed above (see Appendix A). Delphi confirmed that only one (1) product “Weld-On 3 for Acrylic” (which contained TCE) was still in use in the laboratory on the second floor of Building 6.

During the sampling event, an organic vapor meter (OVM) equipment with a photoionization detector (PID) and 11.7 eV lamp, capable of displaying readings in a part per billion (ppb) range, was used to screen individual product containers observed and obtain background levels for organic vapors in the general area of the sampling locations. The meter was calibrated and “zeroed” outside of the building prior to entering the building. Background readings ranged from non-detect to approximately 150 ppb. The results of the OVM field screening are included in Appendix B. Based on the results of the OVM field screening and GZA’s review of the chemical inventory provided by Delphi, we do not believe the products observed within the sampling areas contained chlorinated VOCs.

VAPOR INTRUSION SAMPLING

GZA collected three (3) types of air samples (sub-slab, indoor air and outdoor ambient air) as part of the VI assessment. The samples were collected via methodologies identified in the NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York, dated October 2006 (NYSDOH Guidance Document).



The VI sampling was completed using dedicated, laboratory-supplied flow regulators and SUMMA canisters. We requested the regulators be set for an approximate eight-hour duration (i.e., standard shift duration in a commercial/industrial facility). We note that sampling was stopped once the vacuum in the SUMMA canister dropped below -5 inches of mercury (in. Hg) to maintain a vacuum on the canister. The table in Appendix B is a summary of the vacuum gauge readings and samples durations.

INDOOR AIR SAMPLES

Eight (8) indoor air samples (identified as 6VI-1IA through 6VI-8IA) were collected from seven (7) locations within Building 6 as shown on Figure 2. Sample 6VI-8IA is a duplicate sample collected in conjunction with 6VI-5IA. A stainless steel tee was used to collect both 6VI-5IA and 6VI-8VI from a single sample point.

The indoor air samples were collected with canisters placed within the general breathing zone at the locations shown on Figure 2. Existing features, such as desks, file cabinets, or racks, were used to stage the sample canisters for the duration of the sampling event.

We note that at three (3) indoor air sample locations (6VI-1IA, 6VI-3IA and 6VI-6IA), the vacuum on the canisters was noted to have dropped quickly in the first 2 hours. Therefore, new canisters and new regulators were set up at 6VI-1IA and 6VI-3IA locations and the samples were recollected. The initial sample canisters at these locations were not analyzed. The sample at 6VI-6IA was stopped after 2 hours with -5 in. Hg remaining on the canister. No extra sample canisters or regulators were available after replacing those at 6VI-1IA and 6VI-3IA so the initial canister at 6VI-6IA was analyzed.

SUB-SLAB AIR SAMPLES

Six (6) sub-slab air samples (identified as 6VI-1SS through 6VI-6SS) were collected from under the slab-on-grade floor within Building 6 (see Figure 2). We note that no sub-slab sample was collected from location 6VI-4IA. This location was inside a wind tunnel control room which has an associated mechanical room located directly below it. This mechanical room is not generally occupied and is considered a confined space entry.

An approximate 1/2-inch diameter hole was drilled in the concrete floor. Clean, dedicated 1/4 - inch inner diameter Teflon tubing was placed through the hole to the bottom of the concrete slab, which varied in thickness from approximately 9 to 12-inches thick. The tubing was sealed at the floor surface with modeling clay.

A tracer gas (helium) was used to determine if the surface seal created by the modeling clay around the Teflon tubing and concrete floor was sufficient to prevent indoor air from infiltrating down into the sub-slab during the sampling. The helium was released into an enclosure placed over the top of the sub-slab sampling point (Teflon tubing and clay seal) to check for indoor air infiltration. A helium detector (Radio Detection, MGD-2002) equipped with an internal pump was used to monitor the air being drawn up from the sub-



slab sample point to check whether the helium tracer gas was being drawn down into the sub-slab zone being sampled. The helium detector sample probe was placed inside the tubing, with the internal pump on the detector drawing air at a rate of approximately 0.3 liters per minute. The helium detector was operated in the continuous sample mode prior to the release of helium into the enclosure and for approximately 4 minutes after helium was released into the enclosure. The highest reading observed on the helium detector over the 4-minute period was recorded. The volume of air drawn through the tubing was approximately 1.2 liters or 50 times the air volume of the tubing.

Prior to the release of helium into the enclosure, the helium detector was used to measure the background level of helium from the sub-slab. No readings above 0 parts per million (ppm) were noted.

Following the release of helium into the enclosure, the highest measurement of helium (within the air drawn from the sub-slab) during the test was recorded. The table in Appendix B contains the results. The NYSDOH Guidance Document allows for up to 10% of the tracer gas to be detected within the sampling system and still be considered acceptable. The recorded values were less than 1% helium (10,000 ppm). Prior to removing the enclosure from over the sampling point, the helium detector probe was removed from the tubing and placed inside the enclosure. The helium measurement readings from inside the enclosure were recorded at each location, which ranged from 88% (6VI-1SS) to 95% helium (6VI-3SS) indicating sufficient helium was released into the enclosure for the testing (see Appendix B). We note that location 6VI-7SS was not helium tested, as there was a wooden block floor above the concrete floor below. One wooden block was removed to expose the concrete floor below, which was about 4 inches below the wooden block floor. Therefore the enclosure could not be placed directly over the sub-slab sampling point. However, the sub-slab surface seal at 6VI-7SS was prepared similar to the other five (5) locations which passed on their first attempt.

The Teflon sample tubing was then connected to the sub-slab sample regulators and canisters after the helium testing was completed.

At location 6VI-6SS, we noted that water was observed in the sub-slab tubing after about 1 hour. The sample canister valve was closed and the water in the tubing was observed to fall back into the sub-slab. The tubing was raised about 1-inch and the sample valve was opened and the sample was continued for another hour. No change was observed on the regulator vacuum gauge. The samples canister valve was closed and another regulator was added to the canister to check the vacuum on the canister against the initial regulator. Both regulators measured the vacuum at -15.5 in. Hg (see Appendix B). When the second regulator was added to the canister and the canister valve was opened to restart the test, water was observed coming up the tubing from the sub-slab. The valve was closed and the sampling stopped at this location after 2.5 hours. The sample duration at this location is not representative of standard shift duration in a commercial/industrial facility (i.e., 8 hours). However, this sample location is from the Brine Vault, a basement area not typically occupied for long periods of time.



OUTDOOR AIR

One (1) outdoor ambient air sample was collected from an exterior and upwind location west of Building 6 (see Figure 2). The wind direction the day of the sampling was generally from the west. Outdoor air sample, 6VI-OA1, was collected with a canister hung from a tripod about 4 feet above ground surface.

ANALYTICAL TESTING

The eight (8) indoor air, six (6) sub-slab air and one (1) outdoor air samples collected were submitted to TestAmerica in Burlington, Vermont for chemical analysis. Each sample was tested for volatile organic compounds (VOCs) via EPA Method TO-15.

ANALYTICAL TEST RESULTS

The analytical laboratory report and data quality assessment and validation report (QAVR) for the 15 samples analyzed as part of the VI assessment are presented in Appendix D and are summarized on Table 1.

Results of the VI sampling identified 41 different VOCs that were detected in the air samples collected above method detection limits, as shown in the laboratory report in Appendix D. Table 1 presents the results of the compounds subject to the NYSDOH Guidance Document decision matrices. Therefore, only seven (7) of the 41 compounds are shown on Table 1. The results of the indoor air samples and their corresponding sub-slab air samples were compared to the two (2) decision matrices in the NYSDOH Guidance Document. Table 2 summarizes the results of the comparison. The following is a brief summary of the comparison.

- Based on the sub-slab concentrations of tetrachloroethene, trichloroethene, 1,1-dichloroethene and cis-1,2-dichloroethene detected at 6VI-7SS, the decision matrices indicates that mitigation is needed to minimize the potential exposure pathway associated with sub-slab vapors detected at this location.
- Based on the indoor air concentrations of tetrachloroethene and trichloroethene, at 6VI-11A; trichloroethene at 6VI-2IA; and 1,1,1-trichloroethane at 6VI-4IA; the decision matrices indicates that reasonable and practical actions need to be taken to identify the source(s) and reduce exposures. The concentrations detected in the indoor air samples at these three (3) locations are likely due to indoor sources rather than soil vapor intrusion given the concentrations detected in the corresponding sub-slab air sample.



- No further action is required at 6VI-3, 6VI-5 and 6VI-6 based on the concentrations detected in both the indoor and sub-slab air samples from these locations.

We note that no compounds were detected at concentrations above their respective NYSDOH Air Guidance Values (AGV) in the indoor air samples collected. [Compounds that have AGV are TCE (5 micrograms per cubic meter (ug/m^3), PCE (30 ug/m^3) and methylene chloride (60 ug/m^3)).]

It would appear that the one area that may require additional evaluation is 6VI-7SS. The exposure pathway at this location is considered a potential exposure pathway, as the results of the indoor air concentrations sample from 6VI-7IA are either 3 to 4 orders of magnitude lower (PCE and TCE) than the sub-slab results or below method detection limits (1,1-dichloroethene and cis-DCE). The condition is considered a potential exposure pathway because if the concrete floor was to be damaged, removed and/or penetrated it could allow upward migration of impacted soil gas into the building. The results of the VI assessment do not indicate an existing vapor intrusion pathway.

PREVIOUS BUILDING 6 ACTIVITIES

The potential vapor intrusion pathway identified at 6VI-7 may be associated with former degreaser operations that were located within a partition-wall room in the vicinity of 6VI-7. Figure 2 identifies the approximate location of the former partition-wall room with the designation "DEG." located to the south of 6VI-7. According to GMCH records, there were two (2) degreasers in the partition-wall room in the Model Shop, one (1) utilized tetrachloroethene and one 1,1,2-trichlorofluorotrichloroethane (Freon 113). The Freon 113 degreaser was removed March 1994 and the tetrachloroethene degreaser was removed May 1994.

In 2006, a voluntary facility-wide investigation of soil and groundwater conditions at the GMCH facility (formerly Delphi at the time of the investigation) was conducted. The first phase of that work was the development of a Current Conditions Summary (CCS)² which was completed by Environmental Resource Management (ERM).

After completion of the CCS, a field investigation³ was completed by ERM to assess soil and groundwater conditions at the 50 areas of interest (AOI), identified by the CCS. The field investigation activities and results were described in the Field Investigation Report (FIR) that was submitted to the NYSDEC Region 9 office in January 2007, followed by the CCS submission in May 2007.

² "RCRA Corrective Action Current Conditions Summary, Delphi Corporation, Delphi Thermal, West Lockport Complex, Lockport, New York, US EPA ID #NYD002126852", dated October 2006. Prepared for Delphi Corporation by Environmental Resources Management.

³ "Delphi Corporation, Field Investigation Report, West Lockport Complex, Lockport, NY" dated January 2007. Prepared for Delphi Corporation by Environmental Resources Management.



As part of the field investigation, three (3) soil probes were completed in the vicinity of the former partition-wall room containing degreaser operations. The results for the three soil samples analyzed from the three (3) soil probes completed are summarized on Figure 12A in Appendix C. According to Figure 12A, PCE was detected at each of the three (3) soil probes at the following concentrations.

<u>Location</u>	<u>Sample Depth</u>	<u>PCE Concentration</u>
6-C-1	0 to 2 feet	2.1 ppm
6-C-2	0 to 2.5 feet	8.1 ppm
6-C-3	0 to 2 feet	1.9 ppm

The detected concentrations of PCE in these three (3) soil samples, collected from below concrete slab in the vicinity of the former degreaser, are above the NYSDEC Part 375 Unrestricted Soil Cleanup Objective (USCO, 1.3 ppm) but below the Restricted Residential Soil Cleanup Objectives (RRSCOs, 19 ppm). Though these detected concentrations did not require further investigation or remedial action, they indicate some low level contamination is present in the vicinity of the former degreasers which may be the cause of the elevated sub-slab concentrations detected at 6VI-7.

In July 2006, a vapor intrusion investigation⁴ was completed inside Building 6. The location of the two (2) indoor air and one (1) sub-slab air samples are shown on Figure 3. The air samples were collected for an approximate eight-hour duration (e.g., standard shift duration in a commercial/industrial facility) in general accordance with NYSDOH requirements. Air samples were collected using one-liter sampling canisters and were analyzed via USEPA Method TO-15 for five compounds of concern (PCE, TCE, cis-DCE, trans-DCE and VC). The results of the July 2006 Soil Vapor Sampling are as follows.

Sample ID	PCE (ug/m ³)	TCE (ug/m ³)
SV-070606-1, Outdoor Sample	ND	0.382
SV-070606-2, Indoor Office Sample	ND	0.655
SV-070606-3, Indoor General Work Area	ND	0.983
SV-070606-4, Sub-slab Sample	6.48	0.655

Notes: 1) ug/m³ – micrograms per cubic meter
2) ND – non detect
3) Table contains results of samples detected above method detection limits.

⁴ “Vapor Intrusion Investigation, Building 6, Lockport, New York” dated July 2006. Prepared for Delphi by GZA GeoEnvironmental of NY.



The indoor air results for both PCE and TCE were below their respective NYSDOH AGVs. When compared to the NYSDOH decision matrix, the resultant action for TCE required was to take reasonable and practical actions to identify source(s) and reduce exposures; and the resultant action for PCE was no further action required.

We note that the location of the former sub-slab sample (SV-070606-4, see Figure 3) was approximately 150 feet south of the 6VI-7 and 120 feet south of the former degreaser location at a location positioned closer to center of the groundwater plume within the Environmental Easement area. If the cause of the PCE and other chlorinated VOCs detected at 6VI-7 was due to the groundwater plume, we would expect to have had sub-slab detections at 6VI-1, 6VI-2 and 6VI-5 as well. The sub-slab results at these three locations were below method detection limits.

RECOMMENDATIONS

The purpose of this vapor intrusion investigation was to assess whether contaminant vapors associated with the compounds of concern identified in the groundwater in the vicinity of Building 6, are impacting sub-slab soil gas or indoor air quality at Building 6.

GZA and GMCH believe that it does not appear that the groundwater in the vicinity of Building 6 is impacting sub-slab soil gas or indoor air quality. No compounds were detected at concentrations above their respective NYSDOH Air Guidance Values in the indoor air samples collected. One (1) subslab location, 6VI-7SS, contained concentrations that according to NYSDOH guidance, requires mitigation. The exposure pathway at this location is considered a potential exposure pathway, as the results of the indoor air concentrations sample from 6VI-7IA are either 3 to 4 orders of magnitude lower (PCE and TCE) than the sub-slab results or below method detection limits (1,1-dichloroethene and cis-DCE). The condition is considered a potential exposure pathway because if the concrete floor was to be damaged, removed and/or penetrated it could allow upward migration of impacted soil gas into the building. The results of the VI assessment do not indicate an existing vapor intrusion pathway.

The other sub-slab soil gas soil vapor sample results, 6VI-1SS through 6VI-6SS, according to NYSDOH guidance indicated that no further action is required.



Once you have completed your review of the report, we would be happy to meet with you to review our next steps. Should you have any questions or require additional information following your review, please do not hesitate to contact the undersigned.

Sincerely,

GZA GEOENVIRONMENTAL OF NEW YORK

A handwritten signature in blue ink, appearing to read 'Cliff Boron'.

Christopher Boron
Senior Project Manager

A handwritten signature in blue ink, appearing to read 'Bart A. Klettke'.

Bart A. Klettke, P.E.
Principal

Attachments: Table 1: Vapor Intrusion Assessment Results Summary
Table 2: Vapor Intrusion Results Compared to NYSDOH Decision Matrices
Figure 1: Locus Plan
Figure 2: Vapor Intrusion Sampling Plan
Figure 3: Previous Vapor Intrusion Sampling Plan
Appendix A: Chemical Inventory Database Query Results
Appendix B: VI Field Data Summary Table
Appendix C: 2007 Building 6 Soil Sample Results Figure
Appendix D: Laboratory Report
Data Quality Assessment and Validation Report

cc: Mr. Jim Hartnett (GM, electronic copy)
Mr. Roy Knapp (GMCH, electronic copy)
Mr. James Walle (GM, electronic copy)
Mr. James Hunt (Delphi, electronic copy)
Mr. Mark Hester (Delphi, electronic copy)

TABLES

TABLE 1
Building 6 Soil Vapor Intrusion Air Analytical Testing Results Summary

LOCATION Sample ID	LOCATION 1		LOCATION 2		LOCATION 3		LOCATION 4	LOCATION 5		LOCATION 6		LOCATION 7		LOCATION 5 DUPLICATE	OUTDOOR AIR
	6VI-1IA-011814	6VI-1SS-011814	6VI-2IA-011814	6VI-2SS-011814	6VI-3IA-011814	6VI-3SS-011814	6VI-4IA-011814	6VI-5IA-011814	6VI-5SS-011814	6VI-6IA-011814	6VI-6SS-011814	6VI-7IA-011814	6VI-7SS-011814	6VI-8IA-011814	6VI-OAI-011814
Volatile Organic Compounds via USEPA Method TO-15 (ug/m ³)															
1,1,1-Trichloroethane							3.2								
1,1-Dichloroethene													13,000		
Carbon tetrachloride															
cis-1,2-Dichloroethene													12,000		
Tetrachloroethene	3		1.4		2.7	1.9				1.9		6.8	45,000		
Trichloroethene	1.5		1.2								5.2	1.4	8,000		
Vinyl chloride															

- Notes
1. Compounds subject to the NYSDOH Guidance for Evaluating Soil Vapor Intrusion in New York State, dated October 2006, soil vapor intrusion decision matrices are presented on this table.
 2. Analytical testing completed by TestAmerica.
 3. Analytical results were compared to the matrices in the NYSDOH Guidance for Evaluating Soil Vapor Intrusion in New York State, dated October 2006.
 4. Samples with IA designation are indoor air samples, SS are sub-slab samples, OAI are outdoor background samples.
 5. ug/m³ = microgram per cubic meter.
 6. Green shading indicates compounds are assigned to the NYSDOH soil vapor intrusion guidance Matrix 1 and Yellow shading indicates compounds are assigned Matrix 2.
 7. Bold indicates compound action required by NYSDOH soil vapor intrusion guidance matrices or indoor air guidance values.

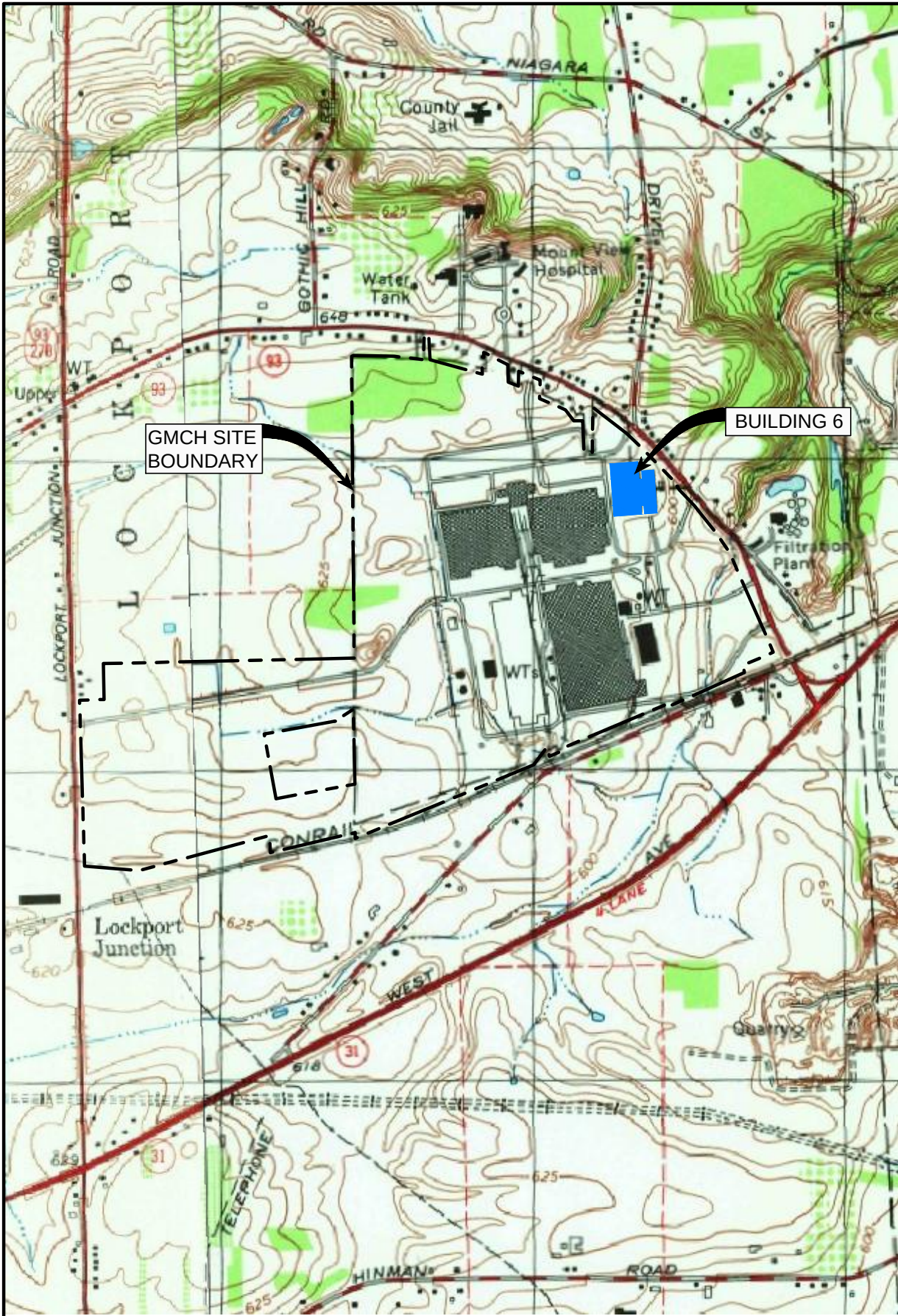
TABLE 2
Building 6 Vapor Intrusion Sample Results Compared to NYSDOH Decision Matrices

Location	Carbon Tetrachloride	Trichloroethene	Vinyl Chloride	1,1 dichloroethene	cis-1,2 dichloroethene	Tetrachloroethene	1,1,1 Trichloroethane
1	NFA	TPA	NFA	NFA	NFA	TPA	NFA
2	NFA	TPA	NFA	NFA	NFA	NFA	NFA
3	NFA	NFA	NFA	NFA	NFA	NFA	NFA
4	NFA	NFA	NFA	NFA	NFA	NFA	TPA
5	NFA	NFA	NFA	NFA	NFA	NFA	NFA
6	NFA	NFA	NFA	NFA	NFA	NFA	NFA
7	NFA	Mitigate	NFA	Mitigate	Mitigate	Mitigate	NFA

Notes:

- 1) NFA = no further action.
- 2) TPA = take reasonable and practical actions to identify source(s) and reduce exposures.
- 3) Mitigate = mitigation is needed to minimize current or potential exposures associated with soil vapor intrusion.

FIGURES



NOTE:

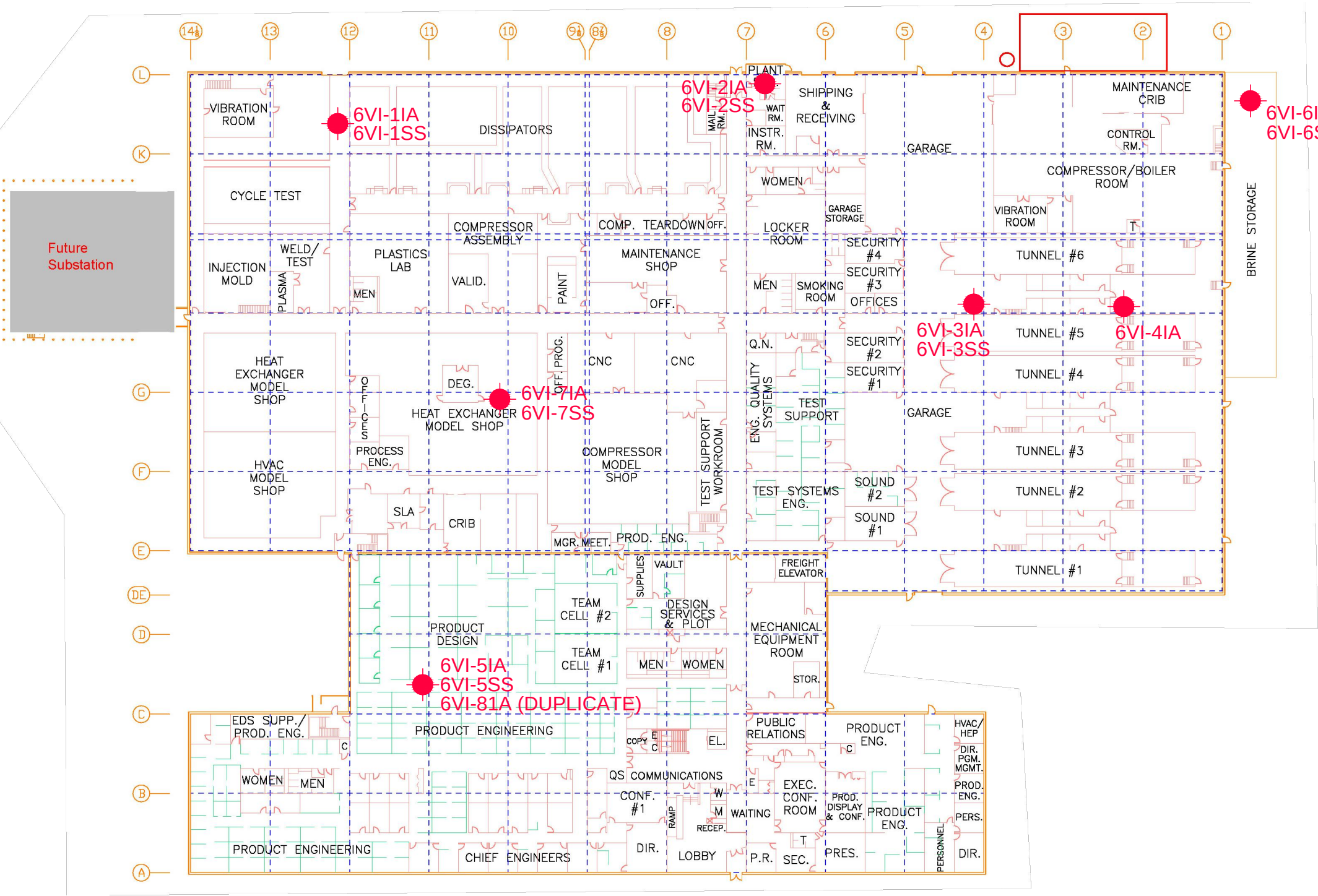
BASE MAP ADAPTED FROM U.S.G.S.
TOPOGRAPHIC MAPS DOWNLOADED
FROM TERRASERVER.MICROSOFT.COM



DRAWN BY: DEW		DATE: FEBRUARY 2014	
APPROXIMATE SCALE IN FEET			
GM COMPONENTS HOLDINGS, LLC BUILDING 6 200 UPPER MOUNTAIN ROAD LOCKPORT, NEW YORK		VAPOR INTRUSION ASSESSMENT LOCUS PLAN	
PROJECT No.		21.0056546.00	
FIGURE No.		1	



GZA GeoEnvironmental of
New York



NOTES:

1. BASE MAP ADAPTED FROM A BUILDING 6 FIRST FLOOR SITE PLAN PROVIDED BY DELPHI. FEATURES SHOWN MAY NOT BE REPRESENTATIVE OF CURRENT BUILDING CONDITIONS.
2. THE SIZE AND LOCATION OF EXISTING SITE FEATURES SHOULD BE CONSIDERED APPROXIMATE.

LEGEND:

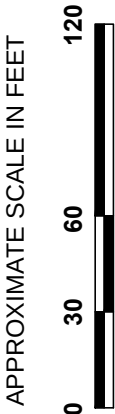
- 6VI-11A
6VI-1SS
- 6VI-OA1

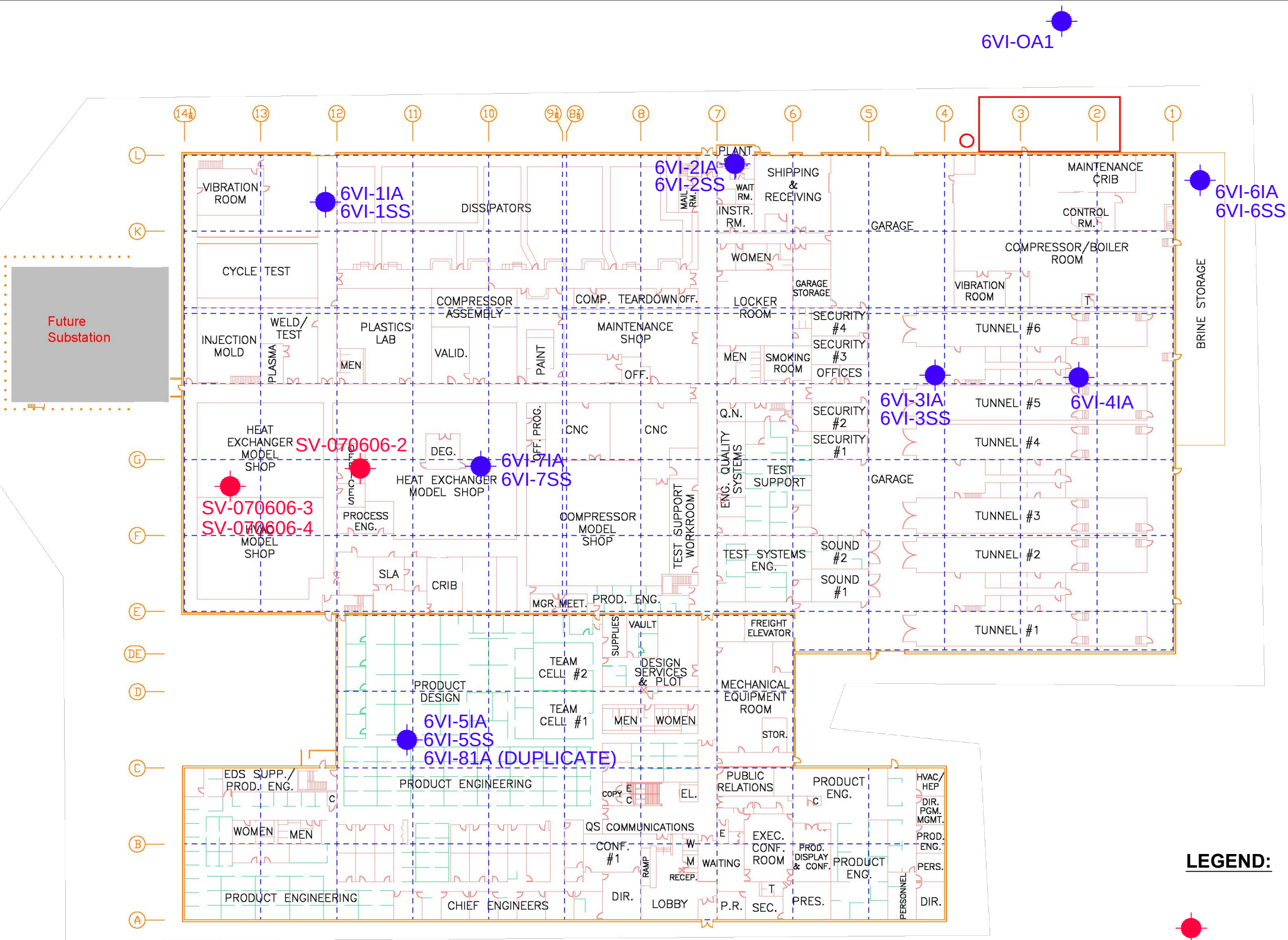
APPROXIMATE LOCATION AND DESIGNATION OF VAPOR INTRUSION SAMPLE.

IA - DESIGNATES INDOOR AIR SAMPLE.
SS - DESIGNATES SUB-SLAB AIR SAMPLE.
OA - DESIGNATES OUTDOOR AIR SAMPLE.



GM COMPONENTS HOLDINGS, LLC BUILDING 6 200 UPPER MOUNTAIN ROAD LOCKPORT, NEW YORK	PROJECT No. 21.0056546.00
	FIGURE No. 2
VAPOR INTRUSION SAMPLING PLAN	
DRAWN BY: DEW DATE: FEBRUARY 2014	
GZA GeoEnvironmental of New York	





DRAWN BY: DEW

DATE: FEBRUARY 2014

GZA GeoEnvironmental of
New York



APPROXIMATE SCALE IN FEET



GM COMPONENTS HOLDINGS, LLC

BUILDING 6

200 UPPER MOUNTAIN ROAD
LOCKPORT, NEW YORK

VAPOR INTRUSION ASSESSMENT
PREVIOUS VAPOR INTRUSION SAMPLING

PROJECT No.

21.0056546.00

FIGURE No.

3

NOTES:

1. BASE MAP ADAPTED FROM A BUILDING 6 FIRST FLOOR SITE PLAN PROVIDED BY DELPHI. FEATURES SHOWN MAY NOT BE REPRESENTATIVE OF CURRENT BUILDING CONDITIONS.
2. THE SIZE AND LOCATION OF EXISTING SITE FEATURES SHOULD BE CONSIDERED APPROXIMATE.
3. SAMPLE DESIGNATION SV-070606-1 WAS AN OUTDOOR AIR SAMPLE AND IS NOT SHOWN.

LEGEND:

SV-070606-3
SV-070606-4

APPROXIMATE LOCATION AND DESIGNATION
OF PREVIOUS (2006) VAPOR INTRUSION SAMPLE.

SV-070606-2 & SV-070606-3 WERE INDOOR AIR
SAMPLES.

SV-070606-4 WAS A SUB-SLAB SAMPLE.

6VI-1IA
6VI-1SS

APPROXIMATE LOCATION AND DESIGNATION
OF VAPOR INTRUSION SAMPLE.

6VI-OA1

IA - DESIGNATES INDOOR AIR SAMPLE
SS - DESIGNATES SUB-SLAB AIR SAMPLE
OA - DESIGNATES OUTDOOR AIR SAMPLE

APPENDIX A

APPENDIX A
CHEMICAL INVENTORY DATABASE QUERY RESULTS

PCE: 127-18-4						
Inactive	102580	5/31/1989	10/1/1990	PERCHLOROET HYLENE	GEM CITY CHEMICALS INC	English (10/1/1990)
TCE: 79-01-6						
Model Shop/Engineering Operations	227756	6/1/1990	3/1/2001	WELD-ON 3 FOR ACRYLIC	IPS CORPORATION	English (3/1/2001)
Carbon tetrachloride: 56-23-5						
Materials Lab	404168	5/1/2002	5/1/2002	HYDRANAL COULOMAT C (34808)	RIEDEL-DE HAEN	English (5/1/2002)
1,1,-TCA: 71-55-6						
Model Shop/Engineering Operations	58221	2/21/1989	3/8/1989	DOW CORNING 557 SILICONE DRY FILM LUBRICANT (AEROSOL)	DOW CORNING CORP	English (3/8/1989)
Model Shop/Engineering Operations	101371	1/1/1985	11/18/1985	CRC 5-56 (AEROSOL)	CRC INDUSTRIES, INC	English (11/18/1985)
Model Shop/Engineering Operations	102001	12/12/1984	6/4/1987	CROWN 6001 BLUE TOOLMAKERS INK – AEROSOL BLUE TOOLMAKER'S INK #6001	CROWN INDUSTRIAL NORTH AMERICAN PROFESSI	English 6/4/1987)

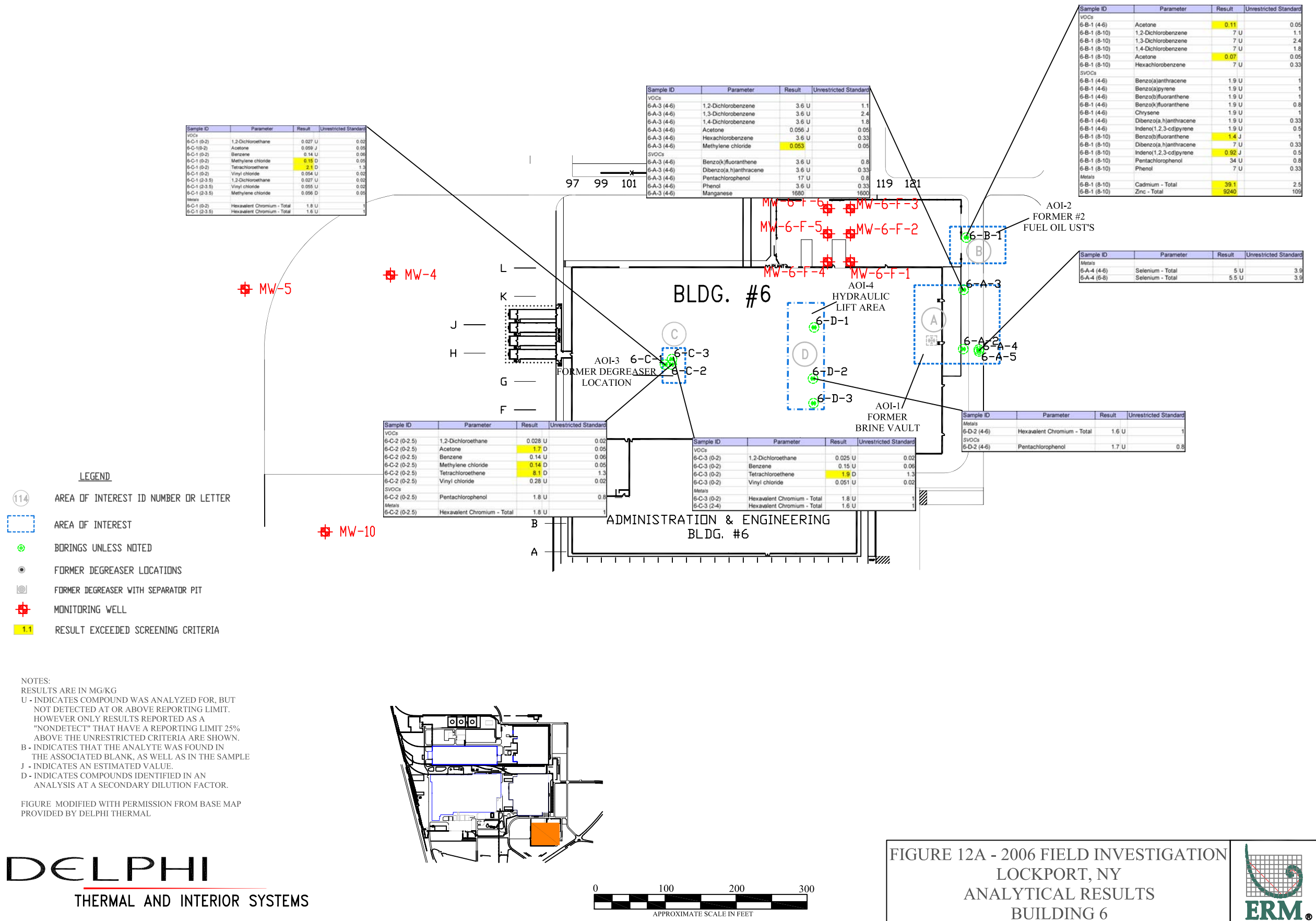
Model Shop/Engineering Operations	171523	1/29/1991	1/4/1994	LOCQUIC PRIMER T (AEROSOL)	HENKEL LOCTITE CORP. (FORMERLY LOCTITE CORP)	English (1/4/1994)
Model Shop/Engineering Operations	204465	9/22/1993	5/3/1996	SPOTCHECK CLEANER/REMOVE R SKC-NF (AEROSOL)	MAGNAFLUX CORP	English (5/3/1996)

APPENDIX B

**APPENDIX B
FIELD MEASUREMENTS SUMMARY TABLE**

Location	Duration (hr)	Start vacuum ("Hg)	Stop vacuum ("Hg)	Helium Test Results (ppm)	Helium in Enclosure (%)	Background OVM (ppb)	Comment
1IA	1.7	> -30	- 2	Not Applicable		60	6VI-1IA location was resampled with another canister and regulator because vacuum reading on the regulator indicated -2 in Hg in 3 hours. Sample was to be performed for approximately 8 hours.
1IA2	8	-29	-13.5	Not Applicable			
1SS	9.9	-29	-6	3,500 ppm	88%		
2IA	7.3	> -30	-10	Not Applicable		40	
2SS	7.3	-28	-7	125 ppm	93%		
3IA	2.2	> - 28	- 2	Not Applicable		80	6VI-3IA location was resampled with another canister and regulator because vacuum reading on the regulator indicated -2 in Hg in 3 hours. Sample was to be performed for approximately 8 hours.
3IA2	6.5	> -30	-11.5	Not Applicable			
3SS	6	> -30	- 5	8,500 ppm	95%		
4IA	8.4	> -30	-7.5	Not Applicable		0	
5IA	7.1	> -30	-9	Not Applicable		20	
8IA (5IA-DUP)	7.1	> -30	-10	Not Applicable			
5SS	7.1	> -30	-7.5	1,875 ppm	92%		
6IA	2.1	> -30	-5	Not Applicable		30	Tubing at 6VI-6SS was raised about 1 inch to attempt to stop water from being drawn up from subsurface. Sample was allowed to run for another 1 hour after increasing the tubing height. No change in regulator vacuum was observed. Sampling at this location was stopped after 2.5 hours.
6SS	2.5	-16	-15.5	1,250 ppm	92%		
6SS	Vacuum Check	-15.5	-15.5	See Above	See Above		
7IA	7.5	-29	-8.5	Not Applicable		150	No helium tested was completied at 6VI-7SS, as there was a wooden block floor above the concrete floor below. The enclosure could not be placed directly over the sub-slab sampling point.
7SS	7.5	-27	-9.5	Not Completed	Not Completed		
OA1	7.5	-29	-2	Not Applicable			

APPENDIX C



APPENDIX D

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Buffalo

10 Hazelwood Drive

Amherst, NY 14228-2298

Tel: (716)691-2600

TestAmerica Job ID: 480-53609-1

Client Project/Site: 058507, GM-Lockport Vapor Intrusion

For:

Conestoga-Rovers & Associates, Inc.

2055 Niagara Falls Blvd., Suite 3

Niagara Falls, New York 14304

Attn: Kathleen Willy



Authorized for release by:

1/28/2014 3:20:00 PM

Rebecca Jones, Project Management Assistant I

rebecca.jones@testamericainc.com

Designee for

Melissa Deyo, Project Manager I

(716)504-9874

melissa.deyo@testamericainc.com

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The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 058507, GM-Lockport Vapor Intrusion

TestAmerica Job ID: 480-53609-1

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Case Narrative

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 058507, GM-Lockport Vapor Intrusion

TestAmerica Job ID: 480-53609-1

Job ID: 480-53609-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative 480-53609-1

Receipt

The samples were received on 1/21/2014 10:15 AM; the samples arrived in good condition, properly preserved and, where required, on ice.

Except:

The container label for the following sample(s) did not match the information listed on the Chain-of-Custody. The container labels list 6VI-1IA2-011814, while the COC lists 6VI-1IA-011814. The client was contacted, and the lab was instructed to use ID from COC.

The container label for the following sample(s) did not match the information listed on the Chain-of-Custody. The container labels list 6VI-3IA2-011814, while the COC lists 6VI-3IA-011814. The client was contacted, and the lab was instructed to use ID from COC.

Air Toxics

Method(s) TO-15: Due to the matrix, the initial volumes used for the following samples deviated from the standard procedure:

6VI-1IA-011814 (480-53609-1), 6VI-3IA-011814 (480-53609-5), 6VI-5IA-011814 (480-53609-8), 6VI-6SS-011814 (480-53609-11), 6VI-8IA-011814 (480-53609-14). The reporting limits (RLs) have been adjusted proportionately.

Method(s) TO-15: The continuing calibration verification (CCV) associated with batch 67556 recovered above the upper control limit for Benzyl chloride and Bromoform. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: (CCVIS 200-67556/2), 6VI-1IA-011814 (480-53609-1), 6VI-1SS-011814 (480-53609-2), 6VI-2IA-011814 (480-53609-3), 6VI-2SS-011814 (480-53609-4), 6VI-3IA-011814 (480-53609-5), 6VI-3SS-011814 (480-53609-6), 6VI-4IA-011814 (480-53609-7), 6VI-5IA-011814 (480-53609-8), 6VI-6IA-011814 (480-53609-10), 6VI-6SS-011814 (480-53609-11), 6VI-7IA-011814 (480-53609-12), 6VI-7SS-011814 (480-53609-13), 6VI-8IA-011814 (480-53609-14), 6VI-DAI-011814 (480-53609-15).

Method(s) TO-15: The continuing calibration verification (CCV) associated with batch 67556 recovered above the upper control limit for Benzyl chloride and Bromoform. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: 6VI-5SS-011814 (480-53609-9).

Method(s) TO-15: The continuing calibration verification (CCV) associated with batch 67602 recovered above the upper control limit for Naphthalene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: (CCV 200-67602/3), 6VI-4IA-011814 (480-53609-7), 6VI-5SS-011814 (480-53609-9).

Method(s) TO-15: The following sample(s) was diluted to bring the concentration of target analytes within the calibration range:

6VI-1SS-011814 (480-53609-2), 6VI-5SS-011814 (480-53609-9), 6VI-7SS-011814 (480-53609-13). Elevated reporting limits (RLs) are provided.

Method(s) TO-15: The following sample(s) was diluted to bring the concentration of target analytes within the calibration range:

6VI-4IA-011814 (480-53609-7). Elevated reporting limits (RLs) are provided.

No other analytical or quality issues were noted.

Detection Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 058507, GM-Lockport Vapor Intrusion

TestAmerica Job ID: 480-53609-1

Client Sample ID: 6VI-1IA-011814

Lab Sample ID: 480-53609-1

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	0.94		0.71	0.71	ppb v/v	1.41		TO-15	Total/NA
Freon 22	1.1		0.71	0.71	ppb v/v	1.41		TO-15	Total/NA
n-Butane	1.1		0.71	0.71	ppb v/v	1.41		TO-15	Total/NA
Tetrachloroethene	0.45		0.28	0.28	ppb v/v	1.41		TO-15	Total/NA
Toluene	0.46		0.28	0.28	ppb v/v	1.41		TO-15	Total/NA
Trichloroethene	0.28		0.28	0.28	ppb v/v	1.41		TO-15	Total/NA
Trichlorofluoromethane	0.34		0.28	0.28	ppb v/v	1.41		TO-15	Total/NA
Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	4.6		3.5	3.5	ug/m3	1.41		TO-15	Total/NA
Freon 22	4.0		2.5	2.5	ug/m3	1.41		TO-15	Total/NA
n-Butane	2.6		1.7	1.7	ug/m3	1.41		TO-15	Total/NA
Tetrachloroethene	3.0		1.9	1.9	ug/m3	1.41		TO-15	Total/NA
Toluene	1.7		1.1	1.1	ug/m3	1.41		TO-15	Total/NA
Trichloroethene	1.5		1.5	1.5	ug/m3	1.41		TO-15	Total/NA
Trichlorofluoromethane	1.9		1.6	1.6	ug/m3	1.41		TO-15	Total/NA

Client Sample ID: 6VI-1SS-011814

Lab Sample ID: 480-53609-2

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	34		1.0	1.0	ppb v/v	5		TO-15	Total/NA
1,3,5-Trimethylbenzene	10		1.0	1.0	ppb v/v	5		TO-15	Total/NA
2,2,4-Trimethylpentane	1.3		1.0	1.0	ppb v/v	5		TO-15	Total/NA
4-Ethyltoluene	4.2		1.0	1.0	ppb v/v	5		TO-15	Total/NA
4-Isopropyltoluene	1.5		1.0	1.0	ppb v/v	5		TO-15	Total/NA
Acetone	120		25	25	ppb v/v	5		TO-15	Total/NA
Benzene	9.3		1.0	1.0	ppb v/v	5		TO-15	Total/NA
Carbon disulfide	8.4		2.5	2.5	ppb v/v	5		TO-15	Total/NA
Cumene	1.4		1.0	1.0	ppb v/v	5		TO-15	Total/NA
Cyclohexane	15		1.0	1.0	ppb v/v	5		TO-15	Total/NA
Ethylbenzene	6.7		1.0	1.0	ppb v/v	5		TO-15	Total/NA
m,p-Xylene	37		2.5	2.5	ppb v/v	5		TO-15	Total/NA
Methyl Ethyl Ketone	30		2.5	2.5	ppb v/v	5		TO-15	Total/NA
n-Butane	74		2.5	2.5	ppb v/v	5		TO-15	Total/NA
n-Heptane	34		1.0	1.0	ppb v/v	5		TO-15	Total/NA
n-Hexane	32		1.0	1.0	ppb v/v	5		TO-15	Total/NA
n-Propylbenzene	3.0		1.0	1.0	ppb v/v	5		TO-15	Total/NA
sec-Butylbenzene	1.6		1.0	1.0	ppb v/v	5		TO-15	Total/NA
Styrene	1.4		1.0	1.0	ppb v/v	5		TO-15	Total/NA
Toluene	59		1.0	1.0	ppb v/v	5		TO-15	Total/NA
Xylene (total)	50		1.0	1.0	ppb v/v	5		TO-15	Total/NA
Xylene, o-	13		1.0	1.0	ppb v/v	5		TO-15	Total/NA
Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	170		4.9	4.9	ug/m3	5		TO-15	Total/NA
1,3,5-Trimethylbenzene	52		4.9	4.9	ug/m3	5		TO-15	Total/NA
2,2,4-Trimethylpentane	5.9		4.7	4.7	ug/m3	5		TO-15	Total/NA
4-Ethyltoluene	21		4.9	4.9	ug/m3	5		TO-15	Total/NA
4-Isopropyltoluene	8.2		5.5	5.5	ug/m3	5		TO-15	Total/NA
Acetone	280		59	59	ug/m3	5		TO-15	Total/NA
Benzene	30		3.2	3.2	ug/m3	5		TO-15	Total/NA
Carbon disulfide	26		7.8	7.8	ug/m3	5		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Detection Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 058507, GM-Lockport Vapor Intrusion

TestAmerica Job ID: 480-53609-1

Client Sample ID: 6VI-1SS-011814 (Continued)

Lab Sample ID: 480-53609-2

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Cumene	7.0		4.9	4.9	ug/m3	5		TO-15	Total/NA
Cyclohexane	53		3.4	3.4	ug/m3	5		TO-15	Total/NA
Ethylbenzene	29		4.3	4.3	ug/m3	5		TO-15	Total/NA
m,p-Xylene	160		11	11	ug/m3	5		TO-15	Total/NA
Methyl Ethyl Ketone	89		7.4	7.4	ug/m3	5		TO-15	Total/NA
n-Butane	180		5.9	5.9	ug/m3	5		TO-15	Total/NA
n-Heptane	140		4.1	4.1	ug/m3	5		TO-15	Total/NA
n-Hexane	110		3.5	3.5	ug/m3	5		TO-15	Total/NA
n-Propylbenzene	15		4.9	4.9	ug/m3	5		TO-15	Total/NA
sec-Butylbenzene	8.9		5.5	5.5	ug/m3	5		TO-15	Total/NA
Styrene	6.0		4.3	4.3	ug/m3	5		TO-15	Total/NA
Toluene	220		3.8	3.8	ug/m3	5		TO-15	Total/NA
Xylene (total)	220		4.3	4.3	ug/m3	5		TO-15	Total/NA
Xylene, o-	58		4.3	4.3	ug/m3	5		TO-15	Total/NA

Client Sample ID: 6VI-2IA-011814

Lab Sample ID: 480-53609-3

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.21		0.20	0.20	ppb v/v	1		TO-15	Total/NA
Dichlorodifluoromethane	0.93		0.50	0.50	ppb v/v	1		TO-15	Total/NA
Tetrachloroethene	0.20		0.20	0.20	ppb v/v	1		TO-15	Total/NA
Toluene	0.74		0.20	0.20	ppb v/v	1		TO-15	Total/NA
Trichloroethene	0.23		0.20	0.20	ppb v/v	1		TO-15	Total/NA
Trichlorofluoromethane	0.39		0.20	0.20	ppb v/v	1		TO-15	Total/NA
Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.69		0.64	0.64	ug/m3	1		TO-15	Total/NA
Dichlorodifluoromethane	4.6		2.5	2.5	ug/m3	1		TO-15	Total/NA
Tetrachloroethene	1.4		1.4	1.4	ug/m3	1		TO-15	Total/NA
Toluene	2.8		0.75	0.75	ug/m3	1		TO-15	Total/NA
Trichloroethene	1.2		1.1	1.1	ug/m3	1		TO-15	Total/NA
Trichlorofluoromethane	2.2		1.1	1.1	ug/m3	1		TO-15	Total/NA

Client Sample ID: 6VI-2SS-011814

Lab Sample ID: 480-53609-4

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Trichlorofluoromethane	0.21		0.20	0.20	ppb v/v	1		TO-15	Total/NA
Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Trichlorofluoromethane	1.2		1.1	1.1	ug/m3	1		TO-15	Total/NA

Client Sample ID: 6VI-3IA-011814

Lab Sample ID: 480-53609-5

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	3.0		0.66	0.66	ppb v/v	1.31		TO-15	Total/NA
Tetrachloroethene	0.40		0.26	0.26	ppb v/v	1.31		TO-15	Total/NA
Toluene	0.38		0.26	0.26	ppb v/v	1.31		TO-15	Total/NA
Trichlorofluoromethane	0.42		0.26	0.26	ppb v/v	1.31		TO-15	Total/NA
Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	15		3.2	3.2	ug/m3	1.31		TO-15	Total/NA
Tetrachloroethene	2.7		1.8	1.8	ug/m3	1.31		TO-15	Total/NA
Toluene	1.4		0.99	0.99	ug/m3	1.31		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Detection Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 058507, GM-Lockport Vapor Intrusion

TestAmerica Job ID: 480-53609-1

Client Sample ID: 6VI-3IA-011814 (Continued)

Lab Sample ID: 480-53609-5

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Trichlorofluoromethane	2.4		1.5	1.5	ug/m3	1.31		TO-15	Total/NA

Client Sample ID: 6VI-3SS-011814

Lab Sample ID: 480-53609-6

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	0.32		0.20	0.20	ppb v/v	1		TO-15	Total/NA
Acetone	6.1		5.0	5.0	ppb v/v	1		TO-15	Total/NA
Benzene	0.48		0.20	0.20	ppb v/v	1		TO-15	Total/NA
Chloromethane	0.54		0.50	0.50	ppb v/v	1		TO-15	Total/NA
Cyclohexane	0.41		0.20	0.20	ppb v/v	1		TO-15	Total/NA
Dichlorodifluoromethane	2.0		0.50	0.50	ppb v/v	1		TO-15	Total/NA
Ethylbenzene	1.7		0.20	0.20	ppb v/v	1		TO-15	Total/NA
Isopropyl alcohol	7.1		5.0	5.0	ppb v/v	1		TO-15	Total/NA
m,p-Xylene	6.6		0.50	0.50	ppb v/v	1		TO-15	Total/NA
Methyl Butyl Ketone (2-Hexanone)	0.62		0.50	0.50	ppb v/v	1		TO-15	Total/NA
Methyl Ethyl Ketone	1.0		0.50	0.50	ppb v/v	1		TO-15	Total/NA
n-Butane	3.0		0.50	0.50	ppb v/v	1		TO-15	Total/NA
n-Heptane	0.96		0.20	0.20	ppb v/v	1		TO-15	Total/NA
n-Hexane	1.1		0.20	0.20	ppb v/v	1		TO-15	Total/NA
Tetrachloroethene	0.28		0.20	0.20	ppb v/v	1		TO-15	Total/NA
Toluene	1.5		0.20	0.20	ppb v/v	1		TO-15	Total/NA
Trichlorofluoromethane	0.25		0.20	0.20	ppb v/v	1		TO-15	Total/NA
Xylene (total)	8.2		0.20	0.20	ppb v/v	1		TO-15	Total/NA
Xylene, o-	1.6		0.20	0.20	ppb v/v	1		TO-15	Total/NA

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	1.6		0.98	0.98	ug/m3	1		TO-15	Total/NA
Acetone	15		12	12	ug/m3	1		TO-15	Total/NA
Benzene	1.5		0.64	0.64	ug/m3	1		TO-15	Total/NA
Chloromethane	1.1		1.0	1.0	ug/m3	1		TO-15	Total/NA
Cyclohexane	1.4		0.69	0.69	ug/m3	1		TO-15	Total/NA
Dichlorodifluoromethane	9.8		2.5	2.5	ug/m3	1		TO-15	Total/NA
Ethylbenzene	7.2		0.87	0.87	ug/m3	1		TO-15	Total/NA
Isopropyl alcohol	17		12	12	ug/m3	1		TO-15	Total/NA
m,p-Xylene	29		2.2	2.2	ug/m3	1		TO-15	Total/NA
Methyl Butyl Ketone (2-Hexanone)	2.6		2.0	2.0	ug/m3	1		TO-15	Total/NA
Methyl Ethyl Ketone	3.0		1.5	1.5	ug/m3	1		TO-15	Total/NA
n-Butane	7.2		1.2	1.2	ug/m3	1		TO-15	Total/NA
n-Heptane	3.9		0.82	0.82	ug/m3	1		TO-15	Total/NA
n-Hexane	3.7		0.70	0.70	ug/m3	1		TO-15	Total/NA
Tetrachloroethene	1.9		1.4	1.4	ug/m3	1		TO-15	Total/NA
Toluene	5.7		0.75	0.75	ug/m3	1		TO-15	Total/NA
Trichlorofluoromethane	1.4		1.1	1.1	ug/m3	1		TO-15	Total/NA
Xylene (total)	36		0.87	0.87	ug/m3	1		TO-15	Total/NA
Xylene, o-	7.0		0.87	0.87	ug/m3	1		TO-15	Total/NA

Client Sample ID: 6VI-4IA-011814

Lab Sample ID: 480-53609-7

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	0.59		0.40	0.40	ppb v/v	2		TO-15	Total/NA
Dichlorodifluoromethane	41		1.0	1.0	ppb v/v	2		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Detection Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 058507, GM-Lockport Vapor Intrusion

TestAmerica Job ID: 480-53609-1

Client Sample ID: 6VI-4IA-011814 (Continued)

Lab Sample ID: 480-53609-7

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
n-Butane	4.3		1.0	1.0	ppb v/v	2		TO-15	Total/NA
n-Heptane	0.55		0.40	0.40	ppb v/v	2		TO-15	Total/NA
n-Hexane	0.87		0.40	0.40	ppb v/v	2		TO-15	Total/NA
Toluene	0.72		0.40	0.40	ppb v/v	2		TO-15	Total/NA
Xylene (total)	0.58		0.40	0.40	ppb v/v	2		TO-15	Total/NA
Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	3.2		2.2	2.2	ug/m3	2		TO-15	Total/NA
Dichlorodifluoromethane	210		4.9	4.9	ug/m3	2		TO-15	Total/NA
n-Butane	10		2.4	2.4	ug/m3	2		TO-15	Total/NA
n-Heptane	2.2		1.6	1.6	ug/m3	2		TO-15	Total/NA
n-Hexane	3.1		1.4	1.4	ug/m3	2		TO-15	Total/NA
Toluene	2.7		1.5	1.5	ug/m3	2		TO-15	Total/NA
Xylene (total)	2.5		1.7	1.7	ug/m3	2		TO-15	Total/NA

Client Sample ID: 6VI-5IA-011814

Lab Sample ID: 480-53609-8

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Chloromethane	0.71		0.62	0.62	ppb v/v	1.24		TO-15	Total/NA
Dichlorodifluoromethane	2.0		0.62	0.62	ppb v/v	1.24		TO-15	Total/NA
n-Butane	1.0		0.62	0.62	ppb v/v	1.24		TO-15	Total/NA
Trichlorofluoromethane	0.85		0.25	0.25	ppb v/v	1.24		TO-15	Total/NA
Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Chloromethane	1.5		1.3	1.3	ug/m3	1.24		TO-15	Total/NA
Dichlorodifluoromethane	9.7		3.1	3.1	ug/m3	1.24		TO-15	Total/NA
n-Butane	2.4		1.5	1.5	ug/m3	1.24		TO-15	Total/NA
Trichlorofluoromethane	4.8		1.4	1.4	ug/m3	1.24		TO-15	Total/NA

Client Sample ID: 6VI-5SS-011814

Lab Sample ID: 480-53609-9

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Benzene	22		3.3	3.3	ppb v/v	16.5		TO-15	Total/NA
Carbon disulfide	8.9		8.3	8.3	ppb v/v	16.5		TO-15	Total/NA
Cyclohexane	37		3.3	3.3	ppb v/v	16.5		TO-15	Total/NA
Ethylbenzene	4.5		3.3	3.3	ppb v/v	16.5		TO-15	Total/NA
m,p-Xylene	18		8.3	8.3	ppb v/v	16.5		TO-15	Total/NA
Methyl Ethyl Ketone	11		8.3	8.3	ppb v/v	16.5		TO-15	Total/NA
n-Butane	360		8.3	8.3	ppb v/v	16.5		TO-15	Total/NA
n-Heptane	60		3.3	3.3	ppb v/v	16.5		TO-15	Total/NA
n-Hexane	82		3.3	3.3	ppb v/v	16.5		TO-15	Total/NA
Toluene	54		3.3	3.3	ppb v/v	16.5		TO-15	Total/NA
Xylene (total)	21		3.3	3.3	ppb v/v	16.5		TO-15	Total/NA
Xylene, o-	3.5		3.3	3.3	ppb v/v	16.5		TO-15	Total/NA
Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Benzene	69		11	11	ug/m3	16.5		TO-15	Total/NA
Carbon disulfide	28		26	26	ug/m3	16.5		TO-15	Total/NA
Cyclohexane	130		11	11	ug/m3	16.5		TO-15	Total/NA
Ethylbenzene	20		14	14	ug/m3	16.5		TO-15	Total/NA
m,p-Xylene	78		36	36	ug/m3	16.5		TO-15	Total/NA
Methyl Ethyl Ketone	31		24	24	ug/m3	16.5		TO-15	Total/NA
n-Butane	860		20	20	ug/m3	16.5		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Detection Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 058507, GM-Lockport Vapor Intrusion

TestAmerica Job ID: 480-53609-1

Client Sample ID: 6VI-5SS-011814 (Continued)

Lab Sample ID: 480-53609-9

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
n-Heptane	250		14	14	ug/m3	16.5		TO-15	Total/NA
n-Hexane	290		12	12	ug/m3	16.5		TO-15	Total/NA
Toluene	200		12	12	ug/m3	16.5		TO-15	Total/NA
Xylene (total)	93		14	14	ug/m3	16.5		TO-15	Total/NA
Xylene, o-	15		14	14	ug/m3	16.5		TO-15	Total/NA

Client Sample ID: 6VI-6IA-011814

Lab Sample ID: 480-53609-10

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.23		0.20	0.20	ppb v/v	1		TO-15	Total/NA
Dichlorodifluoromethane	23		0.50	0.50	ppb v/v	1		TO-15	Total/NA
n-Butane	1.7		0.50	0.50	ppb v/v	1		TO-15	Total/NA
Tetrachloroethene	0.28		0.20	0.20	ppb v/v	1		TO-15	Total/NA
Toluene	0.33		0.20	0.20	ppb v/v	1		TO-15	Total/NA
Trichlorofluoromethane	0.41		0.20	0.20	ppb v/v	1		TO-15	Total/NA
Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.75		0.64	0.64	ug/m3	1		TO-15	Total/NA
Dichlorodifluoromethane	110		2.5	2.5	ug/m3	1		TO-15	Total/NA
n-Butane	3.9		1.2	1.2	ug/m3	1		TO-15	Total/NA
Tetrachloroethene	1.9		1.4	1.4	ug/m3	1		TO-15	Total/NA
Toluene	1.3		0.75	0.75	ug/m3	1		TO-15	Total/NA
Trichlorofluoromethane	2.3		1.1	1.1	ug/m3	1		TO-15	Total/NA

Client Sample ID: 6VI-6SS-011814

Lab Sample ID: 480-53609-11

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichloroethane	1.0		0.80	0.80	ppb v/v	4		TO-15	Total/NA
2,2,4-Trimethylpentane	0.96		0.80	0.80	ppb v/v	4		TO-15	Total/NA
Acetone	27		20	20	ppb v/v	4		TO-15	Total/NA
Benzene	1.5		0.80	0.80	ppb v/v	4		TO-15	Total/NA
Cyclohexane	3.4		0.80	0.80	ppb v/v	4		TO-15	Total/NA
Dichlorodifluoromethane	4.1		2.0	2.0	ppb v/v	4		TO-15	Total/NA
Methyl Ethyl Ketone	16		2.0	2.0	ppb v/v	4		TO-15	Total/NA
Methyl tert-butyl ether	24		0.80	0.80	ppb v/v	4		TO-15	Total/NA
Methylene Chloride	5.0		2.0	2.0	ppb v/v	4		TO-15	Total/NA
n-Butane	97		2.0	2.0	ppb v/v	4		TO-15	Total/NA
n-Heptane	11		0.80	0.80	ppb v/v	4		TO-15	Total/NA
n-Hexane	34		0.80	0.80	ppb v/v	4		TO-15	Total/NA
Toluene	18		0.80	0.80	ppb v/v	4		TO-15	Total/NA
Trichloroethene	0.97		0.80	0.80	ppb v/v	4		TO-15	Total/NA
Xylene (total)	2.1		0.80	0.80	ppb v/v	4		TO-15	Total/NA
Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichloroethane	4.1		3.2	3.2	ug/m3	4		TO-15	Total/NA
2,2,4-Trimethylpentane	4.5		3.7	3.7	ug/m3	4		TO-15	Total/NA
Acetone	64		48	48	ug/m3	4		TO-15	Total/NA
Benzene	4.9		2.6	2.6	ug/m3	4		TO-15	Total/NA
Cyclohexane	12		2.8	2.8	ug/m3	4		TO-15	Total/NA
Dichlorodifluoromethane	20		9.9	9.9	ug/m3	4		TO-15	Total/NA
Methyl Ethyl Ketone	46		5.9	5.9	ug/m3	4		TO-15	Total/NA
Methyl tert-butyl ether	87		2.9	2.9	ug/m3	4		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Detection Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 058507, GM-Lockport Vapor Intrusion

TestAmerica Job ID: 480-53609-1

Client Sample ID: 6VI-6SS-011814 (Continued)

Lab Sample ID: 480-53609-11

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	17		6.9	6.9	ug/m3	4		TO-15	Total/NA
n-Butane	230		4.8	4.8	ug/m3	4		TO-15	Total/NA
n-Heptane	44		3.3	3.3	ug/m3	4		TO-15	Total/NA
n-Hexane	120		2.8	2.8	ug/m3	4		TO-15	Total/NA
Toluene	68		3.0	3.0	ug/m3	4		TO-15	Total/NA
Trichloroethene	5.2		4.3	4.3	ug/m3	4		TO-15	Total/NA
Xylene (total)	9.1		3.5	3.5	ug/m3	4		TO-15	Total/NA

Client Sample ID: 6VI-7IA-011814

Lab Sample ID: 480-53609-12

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Chloromethane	0.65		0.50	0.50	ppb v/v	1		TO-15	Total/NA
Dichlorodifluoromethane	0.88		0.50	0.50	ppb v/v	1		TO-15	Total/NA
Isopropyl alcohol	6.7		5.0	5.0	ppb v/v	1		TO-15	Total/NA
n-Butane	0.92		0.50	0.50	ppb v/v	1		TO-15	Total/NA
Tetrachloroethene	1.0		0.20	0.20	ppb v/v	1		TO-15	Total/NA
Toluene	0.35		0.20	0.20	ppb v/v	1		TO-15	Total/NA
Trichloroethene	0.27		0.20	0.20	ppb v/v	1		TO-15	Total/NA
Trichlorofluoromethane	0.36		0.20	0.20	ppb v/v	1		TO-15	Total/NA
Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Chloromethane	1.4		1.0	1.0	ug/m3	1		TO-15	Total/NA
Dichlorodifluoromethane	4.3		2.5	2.5	ug/m3	1		TO-15	Total/NA
Isopropyl alcohol	16		12	12	ug/m3	1		TO-15	Total/NA
n-Butane	2.2		1.2	1.2	ug/m3	1		TO-15	Total/NA
Tetrachloroethene	6.8		1.4	1.4	ug/m3	1		TO-15	Total/NA
Toluene	1.3		0.75	0.75	ug/m3	1		TO-15	Total/NA
Trichloroethene	1.4		1.1	1.1	ug/m3	1		TO-15	Total/NA
Trichlorofluoromethane	2.0		1.1	1.1	ug/m3	1		TO-15	Total/NA

Client Sample ID: 6VI-7SS-011814

Lab Sample ID: 480-53609-13

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichloroethene, Total	3200		66	66	ppb v/v	332		TO-15	Total/NA
cis-1,2-Dichloroethene	3000		66	66	ppb v/v	332		TO-15	Total/NA
Freon TF	170		66	66	ppb v/v	332		TO-15	Total/NA
Tetrachloroethene	6600		66	66	ppb v/v	332		TO-15	Total/NA
trans-1,2-Dichloroethene	180		66	66	ppb v/v	332		TO-15	Total/NA
Trichloroethene	1500		66	66	ppb v/v	332		TO-15	Total/NA
Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichloroethene, Total	13000		260	260	ug/m3	332		TO-15	Total/NA
cis-1,2-Dichloroethene	12000		260	260	ug/m3	332		TO-15	Total/NA
Freon TF	1300		510	510	ug/m3	332		TO-15	Total/NA
Tetrachloroethene	45000		450	450	ug/m3	332		TO-15	Total/NA
trans-1,2-Dichloroethene	720		260	260	ug/m3	332		TO-15	Total/NA
Trichloroethene	8000		360	360	ug/m3	332		TO-15	Total/NA

Client Sample ID: 6VI-8IA-011814

Lab Sample ID: 480-53609-14

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Chloromethane	0.64		0.64	0.64	ppb v/v	1.27		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Detection Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 058507, GM-Lockport Vapor Intrusion

TestAmerica Job ID: 480-53609-1

Client Sample ID: 6VI-8IA-011814 (Continued)

Lab Sample ID: 480-53609-14

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	1.6		0.64	0.64	ppb v/v	1.27		TO-15	Total/NA
n-Butane	0.95		0.64	0.64	ppb v/v	1.27		TO-15	Total/NA
Toluene	0.32		0.25	0.25	ppb v/v	1.27		TO-15	Total/NA
Trichlorofluoromethane	0.71		0.25	0.25	ppb v/v	1.27		TO-15	Total/NA
Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Chloromethane	1.3		1.3	1.3	ug/m3	1.27		TO-15	Total/NA
Dichlorodifluoromethane	7.8		3.1	3.1	ug/m3	1.27		TO-15	Total/NA
n-Butane	2.3		1.5	1.5	ug/m3	1.27		TO-15	Total/NA
Toluene	1.2		0.96	0.96	ug/m3	1.27		TO-15	Total/NA
Trichlorofluoromethane	4.0		1.4	1.4	ug/m3	1.27		TO-15	Total/NA

Client Sample ID: 6VI-OAI-011814

Lab Sample ID: 480-53609-15

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Trichlorofluoromethane	0.23		0.20	0.20	ppb v/v	1		TO-15	Total/NA
Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Trichlorofluoromethane	1.3		1.1	1.1	ug/m3	1		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 058507, GM-Lockport Vapor Intrusion

TestAmerica Job ID: 480-53609-1

Client Sample ID: 6VI-1IA-011814

Lab Sample ID: 480-53609-1

Date Collected: 01/18/14 18:25

Matrix: Air

Date Received: 01/21/14 10:15

Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.28	0.28	ppb v/v			01/23/14 17:01	1.41
1,1,1,2-Tetrachloroethane	ND		0.28	0.28	ppb v/v			01/23/14 17:01	1.41
1,1,2-Trichloroethane	ND		0.28	0.28	ppb v/v			01/23/14 17:01	1.41
1,1-Dichloroethane	ND		0.28	0.28	ppb v/v			01/23/14 17:01	1.41
1,1-Dichloroethene	ND		0.28	0.28	ppb v/v			01/23/14 17:01	1.41
1,2,4-Trichlorobenzene	ND		0.71	0.71	ppb v/v			01/23/14 17:01	1.41
1,2,4-Trimethylbenzene	ND		0.28	0.28	ppb v/v			01/23/14 17:01	1.41
1,2-Dibromoethane	ND		0.28	0.28	ppb v/v			01/23/14 17:01	1.41
1,2-Dichlorobenzene	ND		0.28	0.28	ppb v/v			01/23/14 17:01	1.41
1,2-Dichloroethane	ND		0.28	0.28	ppb v/v			01/23/14 17:01	1.41
1,2-Dichloroethene, Total	ND		0.28	0.28	ppb v/v			01/23/14 17:01	1.41
1,2-Dichloropropane	ND		0.28	0.28	ppb v/v			01/23/14 17:01	1.41
1,2-Dichlorotetrafluoroethane	ND		0.28	0.28	ppb v/v			01/23/14 17:01	1.41
1,3,5-Trimethylbenzene	ND		0.28	0.28	ppb v/v			01/23/14 17:01	1.41
1,3-Butadiene	ND		0.28	0.28	ppb v/v			01/23/14 17:01	1.41
1,3-Dichlorobenzene	ND		0.28	0.28	ppb v/v			01/23/14 17:01	1.41
1,4-Dichlorobenzene	ND		0.28	0.28	ppb v/v			01/23/14 17:01	1.41
1,4-Dioxane	ND		7.1	7.1	ppb v/v			01/23/14 17:01	1.41
2,2,4-Trimethylpentane	ND		0.28	0.28	ppb v/v			01/23/14 17:01	1.41
2-Chlorotoluene	ND		0.28	0.28	ppb v/v			01/23/14 17:01	1.41
3-Chloropropene	ND		0.71	0.71	ppb v/v			01/23/14 17:01	1.41
4-Ethyltoluene	ND		0.28	0.28	ppb v/v			01/23/14 17:01	1.41
4-Isopropyltoluene	ND		0.28	0.28	ppb v/v			01/23/14 17:01	1.41
Acetone	ND		7.1	7.1	ppb v/v			01/23/14 17:01	1.41
Benzene	ND		0.28	0.28	ppb v/v			01/23/14 17:01	1.41
Benzyl chloride	ND		0.28	0.28	ppb v/v			01/23/14 17:01	1.41
Bromodichloromethane	ND		0.28	0.28	ppb v/v			01/23/14 17:01	1.41
Bromoethene(Vinyl Bromide)	ND		0.28	0.28	ppb v/v			01/23/14 17:01	1.41
Bromoform	ND		0.28	0.28	ppb v/v			01/23/14 17:01	1.41
Bromomethane	ND		0.28	0.28	ppb v/v			01/23/14 17:01	1.41
Carbon disulfide	ND		0.71	0.71	ppb v/v			01/23/14 17:01	1.41
Carbon tetrachloride	ND		0.28	0.28	ppb v/v			01/23/14 17:01	1.41
Chlorobenzene	ND		0.28	0.28	ppb v/v			01/23/14 17:01	1.41
Chloroethane	ND		0.71	0.71	ppb v/v			01/23/14 17:01	1.41
Chloroform	ND		0.28	0.28	ppb v/v			01/23/14 17:01	1.41
Chloromethane	ND		0.71	0.71	ppb v/v			01/23/14 17:01	1.41
cis-1,2-Dichloroethene	ND		0.28	0.28	ppb v/v			01/23/14 17:01	1.41
cis-1,3-Dichloropropene	ND		0.28	0.28	ppb v/v			01/23/14 17:01	1.41
Cumene	ND		0.28	0.28	ppb v/v			01/23/14 17:01	1.41
Cyclohexane	ND		0.28	0.28	ppb v/v			01/23/14 17:01	1.41
Dibromochloromethane	ND		0.28	0.28	ppb v/v			01/23/14 17:01	1.41
Dichlorodifluoromethane	0.94		0.71	0.71	ppb v/v			01/23/14 17:01	1.41
Ethylbenzene	ND		0.28	0.28	ppb v/v			01/23/14 17:01	1.41
Freon 22	1.1		0.71	0.71	ppb v/v			01/23/14 17:01	1.41
Freon TF	ND		0.28	0.28	ppb v/v			01/23/14 17:01	1.41
Hexachlorobutadiene	ND		0.28	0.28	ppb v/v			01/23/14 17:01	1.41
Isopropyl alcohol	ND		7.1	7.1	ppb v/v			01/23/14 17:01	1.41
m,p-Xylene	ND		0.71	0.71	ppb v/v			01/23/14 17:01	1.41

TestAmerica Buffalo

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 058507, GM-Lockport Vapor Intrusion

TestAmerica Job ID: 480-53609-1

Client Sample ID: 6VI-1IA-011814

Lab Sample ID: 480-53609-1

Date Collected: 01/18/14 18:25

Matrix: Air

Date Received: 01/21/14 10:15

Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Butyl Ketone (2-Hexanone)	ND		0.71	0.71	ppb v/v			01/23/14 17:01	1.41
Methyl Ethyl Ketone	ND		0.71	0.71	ppb v/v			01/23/14 17:01	1.41
methyl isobutyl ketone	ND		0.71	0.71	ppb v/v			01/23/14 17:01	1.41
Methyl methacrylate	ND		0.71	0.71	ppb v/v			01/23/14 17:01	1.41
Methyl tert-butyl ether	ND		0.28	0.28	ppb v/v			01/23/14 17:01	1.41
Methylene Chloride	ND		0.71	0.71	ppb v/v			01/23/14 17:01	1.41
Naphthalene	ND		0.71	0.71	ppb v/v			01/23/14 17:01	1.41
n-Butane	1.1		0.71	0.71	ppb v/v			01/23/14 17:01	1.41
n-Butylbenzene	ND		0.28	0.28	ppb v/v			01/23/14 17:01	1.41
n-Heptane	ND		0.28	0.28	ppb v/v			01/23/14 17:01	1.41
n-Hexane	ND		0.28	0.28	ppb v/v			01/23/14 17:01	1.41
n-Propylbenzene	ND		0.28	0.28	ppb v/v			01/23/14 17:01	1.41
sec-Butylbenzene	ND		0.28	0.28	ppb v/v			01/23/14 17:01	1.41
Styrene	ND		0.28	0.28	ppb v/v			01/23/14 17:01	1.41
tert-Butyl alcohol	ND		7.1	7.1	ppb v/v			01/23/14 17:01	1.41
tert-Butylbenzene	ND		0.28	0.28	ppb v/v			01/23/14 17:01	1.41
Tetrachloroethene	0.45		0.28	0.28	ppb v/v			01/23/14 17:01	1.41
Tetrahydrofuran	ND		7.1	7.1	ppb v/v			01/23/14 17:01	1.41
Toluene	0.46		0.28	0.28	ppb v/v			01/23/14 17:01	1.41
trans-1,2-Dichloroethene	ND		0.28	0.28	ppb v/v			01/23/14 17:01	1.41
trans-1,3-Dichloropropene	ND		0.28	0.28	ppb v/v			01/23/14 17:01	1.41
Trichloroethene	0.28		0.28	0.28	ppb v/v			01/23/14 17:01	1.41
Trichlorofluoromethane	0.34		0.28	0.28	ppb v/v			01/23/14 17:01	1.41
Vinyl chloride	ND		0.28	0.28	ppb v/v			01/23/14 17:01	1.41
Xylene (total)	ND		0.28	0.28	ppb v/v			01/23/14 17:01	1.41
Xylene, o-	ND		0.28	0.28	ppb v/v			01/23/14 17:01	1.41

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.5	1.5	ug/m3			01/23/14 17:01	1.41
1,1,1,2-Tetrachloroethane	ND		1.9	1.9	ug/m3			01/23/14 17:01	1.41
1,1,1,2-Trichloroethane	ND		1.5	1.5	ug/m3			01/23/14 17:01	1.41
1,1-Dichloroethane	ND		1.1	1.1	ug/m3			01/23/14 17:01	1.41
1,1-Dichloroethene	ND		1.1	1.1	ug/m3			01/23/14 17:01	1.41
1,2,4-Trichlorobenzene	ND		5.2	5.2	ug/m3			01/23/14 17:01	1.41
1,2,4-Trimethylbenzene	ND		1.4	1.4	ug/m3			01/23/14 17:01	1.41
1,2-Dibromoethane	ND		2.2	2.2	ug/m3			01/23/14 17:01	1.41
1,2-Dichlorobenzene	ND		1.7	1.7	ug/m3			01/23/14 17:01	1.41
1,2-Dichloroethane	ND		1.1	1.1	ug/m3			01/23/14 17:01	1.41
1,2-Dichloroethene, Total	ND		1.1	1.1	ug/m3			01/23/14 17:01	1.41
1,2-Dichloropropane	ND		1.3	1.3	ug/m3			01/23/14 17:01	1.41
1,2-Dichlorotetrafluoroethane	ND		2.0	2.0	ug/m3			01/23/14 17:01	1.41
1,3,5-Trimethylbenzene	ND		1.4	1.4	ug/m3			01/23/14 17:01	1.41
1,3-Butadiene	ND		0.62	0.62	ug/m3			01/23/14 17:01	1.41
1,3-Dichlorobenzene	ND		1.7	1.7	ug/m3			01/23/14 17:01	1.41
1,4-Dichlorobenzene	ND		1.7	1.7	ug/m3			01/23/14 17:01	1.41
1,4-Dioxane	ND		25	25	ug/m3			01/23/14 17:01	1.41
2,2,4-Trimethylpentane	ND		1.3	1.3	ug/m3			01/23/14 17:01	1.41
2-Chlorotoluene	ND		1.5	1.5	ug/m3			01/23/14 17:01	1.41
3-Chloropropene	ND		2.2	2.2	ug/m3			01/23/14 17:01	1.41

TestAmerica Buffalo

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 058507, GM-Lockport Vapor Intrusion

TestAmerica Job ID: 480-53609-1

Client Sample ID: 6VI-1IA-011814

Lab Sample ID: 480-53609-1

Date Collected: 01/18/14 18:25

Matrix: Air

Date Received: 01/21/14 10:15

Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
4-Ethyltoluene	ND		1.4	1.4	ug/m3			01/23/14 17:01	1.41
4-Isopropyltoluene	ND		1.5	1.5	ug/m3			01/23/14 17:01	1.41
Acetone	ND		17	17	ug/m3			01/23/14 17:01	1.41
Benzene	ND		0.90	0.90	ug/m3			01/23/14 17:01	1.41
Benzyl chloride	ND		1.5	1.5	ug/m3			01/23/14 17:01	1.41
Bromodichloromethane	ND		1.9	1.9	ug/m3			01/23/14 17:01	1.41
Bromoethene(Vinyl Bromide)	ND		1.2	1.2	ug/m3			01/23/14 17:01	1.41
Bromoform	ND		2.9	2.9	ug/m3			01/23/14 17:01	1.41
Bromomethane	ND		1.1	1.1	ug/m3			01/23/14 17:01	1.41
Carbon disulfide	ND		2.2	2.2	ug/m3			01/23/14 17:01	1.41
Carbon tetrachloride	ND		1.8	1.8	ug/m3			01/23/14 17:01	1.41
Chlorobenzene	ND		1.3	1.3	ug/m3			01/23/14 17:01	1.41
Chloroethane	ND		1.9	1.9	ug/m3			01/23/14 17:01	1.41
Chloroform	ND		1.4	1.4	ug/m3			01/23/14 17:01	1.41
Chloromethane	ND		1.5	1.5	ug/m3			01/23/14 17:01	1.41
cis-1,2-Dichloroethene	ND		1.1	1.1	ug/m3			01/23/14 17:01	1.41
cis-1,3-Dichloropropene	ND		1.3	1.3	ug/m3			01/23/14 17:01	1.41
Cumene	ND		1.4	1.4	ug/m3			01/23/14 17:01	1.41
Cyclohexane	ND		0.97	0.97	ug/m3			01/23/14 17:01	1.41
Dibromochloromethane	ND		2.4	2.4	ug/m3			01/23/14 17:01	1.41
Dichlorodifluoromethane	4.6		3.5	3.5	ug/m3			01/23/14 17:01	1.41
Ethylbenzene	ND		1.2	1.2	ug/m3			01/23/14 17:01	1.41
Freon 22	4.0		2.5	2.5	ug/m3			01/23/14 17:01	1.41
Freon TF	ND		2.2	2.2	ug/m3			01/23/14 17:01	1.41
Hexachlorobutadiene	ND		3.0	3.0	ug/m3			01/23/14 17:01	1.41
Isopropyl alcohol	ND		17	17	ug/m3			01/23/14 17:01	1.41
m,p-Xylene	ND		3.1	3.1	ug/m3			01/23/14 17:01	1.41
Methyl Butyl Ketone (2-Hexanone)	ND		2.9	2.9	ug/m3			01/23/14 17:01	1.41
Methyl Ethyl Ketone	ND		2.1	2.1	ug/m3			01/23/14 17:01	1.41
methyl isobutyl ketone	ND		2.9	2.9	ug/m3			01/23/14 17:01	1.41
Methyl methacrylate	ND		2.9	2.9	ug/m3			01/23/14 17:01	1.41
Methyl tert-butyl ether	ND		1.0	1.0	ug/m3			01/23/14 17:01	1.41
Methylene Chloride	ND		2.4	2.4	ug/m3			01/23/14 17:01	1.41
Naphthalene	ND		3.7	3.7	ug/m3			01/23/14 17:01	1.41
n-Butane	2.6		1.7	1.7	ug/m3			01/23/14 17:01	1.41
n-Butylbenzene	ND		1.5	1.5	ug/m3			01/23/14 17:01	1.41
n-Heptane	ND		1.2	1.2	ug/m3			01/23/14 17:01	1.41
n-Hexane	ND		0.99	0.99	ug/m3			01/23/14 17:01	1.41
n-Propylbenzene	ND		1.4	1.4	ug/m3			01/23/14 17:01	1.41
sec-Butylbenzene	ND		1.5	1.5	ug/m3			01/23/14 17:01	1.41
Styrene	ND		1.2	1.2	ug/m3			01/23/14 17:01	1.41
tert-Butyl alcohol	ND		21	21	ug/m3			01/23/14 17:01	1.41
tert-Butylbenzene	ND		1.5	1.5	ug/m3			01/23/14 17:01	1.41
Tetrachloroethene	3.0		1.9	1.9	ug/m3			01/23/14 17:01	1.41
Tetrahydrofuran	ND		21	21	ug/m3			01/23/14 17:01	1.41
Toluene	1.7		1.1	1.1	ug/m3			01/23/14 17:01	1.41
trans-1,2-Dichloroethene	ND		1.1	1.1	ug/m3			01/23/14 17:01	1.41
trans-1,3-Dichloropropene	ND		1.3	1.3	ug/m3			01/23/14 17:01	1.41

TestAmerica Buffalo

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 058507, GM-Lockport Vapor Intrusion

TestAmerica Job ID: 480-53609-1

Client Sample ID: 6VI-1IA-011814

Lab Sample ID: 480-53609-1

Date Collected: 01/18/14 18:25

Matrix: Air

Date Received: 01/21/14 10:15

Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	1.5		1.5	1.5	ug/m3			01/23/14 17:01	1.41
Trichlorofluoromethane	1.9		1.6	1.6	ug/m3			01/23/14 17:01	1.41
Vinyl chloride	ND		0.72	0.72	ug/m3			01/23/14 17:01	1.41
Xylene (total)	ND		1.2	1.2	ug/m3			01/23/14 17:01	1.41
Xylene, o-	ND		1.2	1.2	ug/m3			01/23/14 17:01	1.41

Client Sample ID: 6VI-1SS-011814

Lab Sample ID: 480-53609-2

Date Collected: 01/18/14 18:23

Matrix: Air

Date Received: 01/21/14 10:15

Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	1.0	ppb v/v			01/23/14 17:50	5
1,1,2,2-Tetrachloroethane	ND		1.0	1.0	ppb v/v			01/23/14 17:50	5
1,1,2-Trichloroethane	ND		1.0	1.0	ppb v/v			01/23/14 17:50	5
1,1-Dichloroethane	ND		1.0	1.0	ppb v/v			01/23/14 17:50	5
1,1-Dichloroethene	ND		1.0	1.0	ppb v/v			01/23/14 17:50	5
1,2,4-Trichlorobenzene	ND		2.5	2.5	ppb v/v			01/23/14 17:50	5
1,2,4-Trimethylbenzene	34		1.0	1.0	ppb v/v			01/23/14 17:50	5
1,2-Dibromoethane	ND		1.0	1.0	ppb v/v			01/23/14 17:50	5
1,2-Dichlorobenzene	ND		1.0	1.0	ppb v/v			01/23/14 17:50	5
1,2-Dichloroethane	ND		1.0	1.0	ppb v/v			01/23/14 17:50	5
1,2-Dichloroethene, Total	ND		1.0	1.0	ppb v/v			01/23/14 17:50	5
1,2-Dichloropropane	ND		1.0	1.0	ppb v/v			01/23/14 17:50	5
1,2-Dichlorotetrafluoroethane	ND		1.0	1.0	ppb v/v			01/23/14 17:50	5
1,3,5-Trimethylbenzene	10		1.0	1.0	ppb v/v			01/23/14 17:50	5
1,3-Butadiene	ND		1.0	1.0	ppb v/v			01/23/14 17:50	5
1,3-Dichlorobenzene	ND		1.0	1.0	ppb v/v			01/23/14 17:50	5
1,4-Dichlorobenzene	ND		1.0	1.0	ppb v/v			01/23/14 17:50	5
1,4-Dioxane	ND		25	25	ppb v/v			01/23/14 17:50	5
2,2,4-Trimethylpentane	1.3		1.0	1.0	ppb v/v			01/23/14 17:50	5
2-Chlorotoluene	ND		1.0	1.0	ppb v/v			01/23/14 17:50	5
3-Chloropropene	ND		2.5	2.5	ppb v/v			01/23/14 17:50	5
4-Ethyltoluene	4.2		1.0	1.0	ppb v/v			01/23/14 17:50	5
4-Isopropyltoluene	1.5		1.0	1.0	ppb v/v			01/23/14 17:50	5
Acetone	120		25	25	ppb v/v			01/23/14 17:50	5
Benzene	9.3		1.0	1.0	ppb v/v			01/23/14 17:50	5
Benzyl chloride	ND		1.0	1.0	ppb v/v			01/23/14 17:50	5
Bromodichloromethane	ND		1.0	1.0	ppb v/v			01/23/14 17:50	5
Bromoethene(Vinyl Bromide)	ND		1.0	1.0	ppb v/v			01/23/14 17:50	5
Bromoform	ND		1.0	1.0	ppb v/v			01/23/14 17:50	5
Bromomethane	ND		1.0	1.0	ppb v/v			01/23/14 17:50	5
Carbon disulfide	8.4		2.5	2.5	ppb v/v			01/23/14 17:50	5
Carbon tetrachloride	ND		1.0	1.0	ppb v/v			01/23/14 17:50	5
Chlorobenzene	ND		1.0	1.0	ppb v/v			01/23/14 17:50	5
Chloroethane	ND		2.5	2.5	ppb v/v			01/23/14 17:50	5
Chloroform	ND		1.0	1.0	ppb v/v			01/23/14 17:50	5
Chloromethane	ND		2.5	2.5	ppb v/v			01/23/14 17:50	5

TestAmerica Buffalo

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 058507, GM-Lockport Vapor Intrusion

TestAmerica Job ID: 480-53609-1

Client Sample ID: 6VI-1SS-011814

Lab Sample ID: 480-53609-2

Date Collected: 01/18/14 18:23

Matrix: Air

Date Received: 01/21/14 10:15

Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	ND		1.0	1.0	ppb v/v			01/23/14 17:50	5
cis-1,3-Dichloropropene	ND		1.0	1.0	ppb v/v			01/23/14 17:50	5
Cumene	1.4		1.0	1.0	ppb v/v			01/23/14 17:50	5
Cyclohexane	15		1.0	1.0	ppb v/v			01/23/14 17:50	5
Dibromochloromethane	ND		1.0	1.0	ppb v/v			01/23/14 17:50	5
Dichlorodifluoromethane	ND		2.5	2.5	ppb v/v			01/23/14 17:50	5
Ethylbenzene	6.7		1.0	1.0	ppb v/v			01/23/14 17:50	5
Freon 22	ND		2.5	2.5	ppb v/v			01/23/14 17:50	5
Freon TF	ND		1.0	1.0	ppb v/v			01/23/14 17:50	5
Hexachlorobutadiene	ND		1.0	1.0	ppb v/v			01/23/14 17:50	5
Isopropyl alcohol	ND		25	25	ppb v/v			01/23/14 17:50	5
m,p-Xylene	37		2.5	2.5	ppb v/v			01/23/14 17:50	5
Methyl Butyl Ketone (2-Hexanone)	ND		2.5	2.5	ppb v/v			01/23/14 17:50	5
Methyl Ethyl Ketone	30		2.5	2.5	ppb v/v			01/23/14 17:50	5
methyl isobutyl ketone	ND		2.5	2.5	ppb v/v			01/23/14 17:50	5
Methyl methacrylate	ND		2.5	2.5	ppb v/v			01/23/14 17:50	5
Methyl tert-butyl ether	ND		1.0	1.0	ppb v/v			01/23/14 17:50	5
Methylene Chloride	ND		2.5	2.5	ppb v/v			01/23/14 17:50	5
Naphthalene	ND		2.5	2.5	ppb v/v			01/23/14 17:50	5
n-Butane	74		2.5	2.5	ppb v/v			01/23/14 17:50	5
n-Butylbenzene	ND		1.0	1.0	ppb v/v			01/23/14 17:50	5
n-Heptane	34		1.0	1.0	ppb v/v			01/23/14 17:50	5
n-Hexane	32		1.0	1.0	ppb v/v			01/23/14 17:50	5
n-Propylbenzene	3.0		1.0	1.0	ppb v/v			01/23/14 17:50	5
sec-Butylbenzene	1.6		1.0	1.0	ppb v/v			01/23/14 17:50	5
Styrene	1.4		1.0	1.0	ppb v/v			01/23/14 17:50	5
tert-Butyl alcohol	ND		25	25	ppb v/v			01/23/14 17:50	5
tert-Butylbenzene	ND		1.0	1.0	ppb v/v			01/23/14 17:50	5
Tetrachloroethene	ND		1.0	1.0	ppb v/v			01/23/14 17:50	5
Tetrahydrofuran	ND		25	25	ppb v/v			01/23/14 17:50	5
Toluene	59		1.0	1.0	ppb v/v			01/23/14 17:50	5
trans-1,2-Dichloroethene	ND		1.0	1.0	ppb v/v			01/23/14 17:50	5
trans-1,3-Dichloropropene	ND		1.0	1.0	ppb v/v			01/23/14 17:50	5
Trichloroethene	ND		1.0	1.0	ppb v/v			01/23/14 17:50	5
Trichlorofluoromethane	ND		1.0	1.0	ppb v/v			01/23/14 17:50	5
Vinyl chloride	ND		1.0	1.0	ppb v/v			01/23/14 17:50	5
Xylene (total)	50		1.0	1.0	ppb v/v			01/23/14 17:50	5
Xylene, o-	13		1.0	1.0	ppb v/v			01/23/14 17:50	5

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.5	5.5	ug/m3			01/23/14 17:50	5
1,1,2,2-Tetrachloroethane	ND		6.9	6.9	ug/m3			01/23/14 17:50	5
1,1,2-Trichloroethane	ND		5.5	5.5	ug/m3			01/23/14 17:50	5
1,1-Dichloroethane	ND		4.0	4.0	ug/m3			01/23/14 17:50	5
1,1-Dichloroethene	ND		4.0	4.0	ug/m3			01/23/14 17:50	5
1,2,4-Trichlorobenzene	ND		19	19	ug/m3			01/23/14 17:50	5
1,2,4-Trimethylbenzene	170		4.9	4.9	ug/m3			01/23/14 17:50	5
1,2-Dibromoethane	ND		7.7	7.7	ug/m3			01/23/14 17:50	5
1,2-Dichlorobenzene	ND		6.0	6.0	ug/m3			01/23/14 17:50	5

TestAmerica Buffalo

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 058507, GM-Lockport Vapor Intrusion

TestAmerica Job ID: 480-53609-1

Client Sample ID: 6VI-1SS-011814

Lab Sample ID: 480-53609-2

Date Collected: 01/18/14 18:23

Matrix: Air

Date Received: 01/21/14 10:15

Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		4.0	4.0	ug/m3			01/23/14 17:50	5
1,2-Dichloroethene, Total	ND		4.0	4.0	ug/m3			01/23/14 17:50	5
1,2-Dichloropropane	ND		4.6	4.6	ug/m3			01/23/14 17:50	5
1,2-Dichlorotetrafluoroethane	ND		7.0	7.0	ug/m3			01/23/14 17:50	5
1,3,5-Trimethylbenzene	52		4.9	4.9	ug/m3			01/23/14 17:50	5
1,3-Butadiene	ND		2.2	2.2	ug/m3			01/23/14 17:50	5
1,3-Dichlorobenzene	ND		6.0	6.0	ug/m3			01/23/14 17:50	5
1,4-Dichlorobenzene	ND		6.0	6.0	ug/m3			01/23/14 17:50	5
1,4-Dioxane	ND		90	90	ug/m3			01/23/14 17:50	5
2,2,4-Trimethylpentane	5.9		4.7	4.7	ug/m3			01/23/14 17:50	5
2-Chlorotoluene	ND		5.2	5.2	ug/m3			01/23/14 17:50	5
3-Chloropropene	ND		7.8	7.8	ug/m3			01/23/14 17:50	5
4-Ethyltoluene	21		4.9	4.9	ug/m3			01/23/14 17:50	5
4-Isopropyltoluene	8.2		5.5	5.5	ug/m3			01/23/14 17:50	5
Acetone	280		59	59	ug/m3			01/23/14 17:50	5
Benzene	30		3.2	3.2	ug/m3			01/23/14 17:50	5
Benzyl chloride	ND		5.2	5.2	ug/m3			01/23/14 17:50	5
Bromodichloromethane	ND		6.7	6.7	ug/m3			01/23/14 17:50	5
Bromoethene(Vinyl Bromide)	ND		4.4	4.4	ug/m3			01/23/14 17:50	5
Bromoform	ND		10	10	ug/m3			01/23/14 17:50	5
Bromomethane	ND		3.9	3.9	ug/m3			01/23/14 17:50	5
Carbon disulfide	26		7.8	7.8	ug/m3			01/23/14 17:50	5
Carbon tetrachloride	ND		6.3	6.3	ug/m3			01/23/14 17:50	5
Chlorobenzene	ND		4.6	4.6	ug/m3			01/23/14 17:50	5
Chloroethane	ND		6.6	6.6	ug/m3			01/23/14 17:50	5
Chloroform	ND		4.9	4.9	ug/m3			01/23/14 17:50	5
Chloromethane	ND		5.2	5.2	ug/m3			01/23/14 17:50	5
cis-1,2-Dichloroethene	ND		4.0	4.0	ug/m3			01/23/14 17:50	5
cis-1,3-Dichloropropene	ND		4.5	4.5	ug/m3			01/23/14 17:50	5
Cumene	7.0		4.9	4.9	ug/m3			01/23/14 17:50	5
Cyclohexane	53		3.4	3.4	ug/m3			01/23/14 17:50	5
Dibromochloromethane	ND		8.5	8.5	ug/m3			01/23/14 17:50	5
Dichlorodifluoromethane	ND		12	12	ug/m3			01/23/14 17:50	5
Ethylbenzene	29		4.3	4.3	ug/m3			01/23/14 17:50	5
Freon 22	ND		8.8	8.8	ug/m3			01/23/14 17:50	5
Freon TF	ND		7.7	7.7	ug/m3			01/23/14 17:50	5
Hexachlorobutadiene	ND		11	11	ug/m3			01/23/14 17:50	5
Isopropyl alcohol	ND		61	61	ug/m3			01/23/14 17:50	5
m,p-Xylene	160		11	11	ug/m3			01/23/14 17:50	5
Methyl Butyl Ketone (2-Hexanone)	ND		10	10	ug/m3			01/23/14 17:50	5
Methyl Ethyl Ketone	89		7.4	7.4	ug/m3			01/23/14 17:50	5
methyl isobutyl ketone	ND		10	10	ug/m3			01/23/14 17:50	5
Methyl methacrylate	ND		10	10	ug/m3			01/23/14 17:50	5
Methyl tert-butyl ether	ND		3.6	3.6	ug/m3			01/23/14 17:50	5
Methylene Chloride	ND		8.7	8.7	ug/m3			01/23/14 17:50	5
Naphthalene	ND		13	13	ug/m3			01/23/14 17:50	5
n-Butane	180		5.9	5.9	ug/m3			01/23/14 17:50	5
n-Butylbenzene	ND		5.5	5.5	ug/m3			01/23/14 17:50	5

TestAmerica Buffalo

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 058507, GM-Lockport Vapor Intrusion

TestAmerica Job ID: 480-53609-1

Client Sample ID: 6VI-1SS-011814

Lab Sample ID: 480-53609-2

Date Collected: 01/18/14 18:23

Matrix: Air

Date Received: 01/21/14 10:15

Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
n-Heptane	140		4.1	4.1	ug/m3			01/23/14 17:50	5
n-Hexane	110		3.5	3.5	ug/m3			01/23/14 17:50	5
n-Propylbenzene	15		4.9	4.9	ug/m3			01/23/14 17:50	5
sec-Butylbenzene	8.9		5.5	5.5	ug/m3			01/23/14 17:50	5
Styrene	6.0		4.3	4.3	ug/m3			01/23/14 17:50	5
tert-Butyl alcohol	ND		76	76	ug/m3			01/23/14 17:50	5
tert-Butylbenzene	ND		5.5	5.5	ug/m3			01/23/14 17:50	5
Tetrachloroethene	ND		6.8	6.8	ug/m3			01/23/14 17:50	5
Tetrahydrofuran	ND		74	74	ug/m3			01/23/14 17:50	5
Toluene	220		3.8	3.8	ug/m3			01/23/14 17:50	5
trans-1,2-Dichloroethene	ND		4.0	4.0	ug/m3			01/23/14 17:50	5
trans-1,3-Dichloropropene	ND		4.5	4.5	ug/m3			01/23/14 17:50	5
Trichloroethene	ND		5.4	5.4	ug/m3			01/23/14 17:50	5
Trichlorofluoromethane	ND		5.6	5.6	ug/m3			01/23/14 17:50	5
Vinyl chloride	ND		2.6	2.6	ug/m3			01/23/14 17:50	5
Xylene (total)	220		4.3	4.3	ug/m3			01/23/14 17:50	5
Xylene, o-	58		4.3	4.3	ug/m3			01/23/14 17:50	5

Client Sample ID: 6VI-2IA-011814

Lab Sample ID: 480-53609-3

Date Collected: 01/18/14 18:47

Matrix: Air

Date Received: 01/21/14 10:15

Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.20	0.20	ppb v/v			01/23/14 18:40	1
1,1,1,2-Tetrachloroethane	ND		0.20	0.20	ppb v/v			01/23/14 18:40	1
1,1,2-Trichloroethane	ND		0.20	0.20	ppb v/v			01/23/14 18:40	1
1,1-Dichloroethane	ND		0.20	0.20	ppb v/v			01/23/14 18:40	1
1,1-Dichloroethene	ND		0.20	0.20	ppb v/v			01/23/14 18:40	1
1,2,4-Trichlorobenzene	ND		0.50	0.50	ppb v/v			01/23/14 18:40	1
1,2,4-Trimethylbenzene	ND		0.20	0.20	ppb v/v			01/23/14 18:40	1
1,2-Dibromoethane	ND		0.20	0.20	ppb v/v			01/23/14 18:40	1
1,2-Dichlorobenzene	ND		0.20	0.20	ppb v/v			01/23/14 18:40	1
1,2-Dichloroethane	ND		0.20	0.20	ppb v/v			01/23/14 18:40	1
1,2-Dichloroethene, Total	ND		0.20	0.20	ppb v/v			01/23/14 18:40	1
1,2-Dichloropropane	ND		0.20	0.20	ppb v/v			01/23/14 18:40	1
1,2-Dichlorotetrafluoroethane	ND		0.20	0.20	ppb v/v			01/23/14 18:40	1
1,3,5-Trimethylbenzene	ND		0.20	0.20	ppb v/v			01/23/14 18:40	1
1,3-Butadiene	ND		0.20	0.20	ppb v/v			01/23/14 18:40	1
1,3-Dichlorobenzene	ND		0.20	0.20	ppb v/v			01/23/14 18:40	1
1,4-Dichlorobenzene	ND		0.20	0.20	ppb v/v			01/23/14 18:40	1
1,4-Dioxane	ND		5.0	5.0	ppb v/v			01/23/14 18:40	1
2,2,4-Trimethylpentane	ND		0.20	0.20	ppb v/v			01/23/14 18:40	1
2-Chlorotoluene	ND		0.20	0.20	ppb v/v			01/23/14 18:40	1
3-Chloropropene	ND		0.50	0.50	ppb v/v			01/23/14 18:40	1
4-Ethyltoluene	ND		0.20	0.20	ppb v/v			01/23/14 18:40	1
4-Isopropyltoluene	ND		0.20	0.20	ppb v/v			01/23/14 18:40	1
Acetone	ND		5.0	5.0	ppb v/v			01/23/14 18:40	1

TestAmerica Buffalo

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 058507, GM-Lockport Vapor Intrusion

TestAmerica Job ID: 480-53609-1

Client Sample ID: 6VI-21A-011814

Lab Sample ID: 480-53609-3

Date Collected: 01/18/14 18:47

Matrix: Air

Date Received: 01/21/14 10:15

Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.21		0.20	0.20	ppb v/v			01/23/14 18:40	1
Benzyl chloride	ND		0.20	0.20	ppb v/v			01/23/14 18:40	1
Bromodichloromethane	ND		0.20	0.20	ppb v/v			01/23/14 18:40	1
Bromoethene(Vinyl Bromide)	ND		0.20	0.20	ppb v/v			01/23/14 18:40	1
Bromoform	ND		0.20	0.20	ppb v/v			01/23/14 18:40	1
Bromomethane	ND		0.20	0.20	ppb v/v			01/23/14 18:40	1
Carbon disulfide	ND		0.50	0.50	ppb v/v			01/23/14 18:40	1
Carbon tetrachloride	ND		0.20	0.20	ppb v/v			01/23/14 18:40	1
Chlorobenzene	ND		0.20	0.20	ppb v/v			01/23/14 18:40	1
Chloroethane	ND		0.50	0.50	ppb v/v			01/23/14 18:40	1
Chloroform	ND		0.20	0.20	ppb v/v			01/23/14 18:40	1
Chloromethane	ND		0.50	0.50	ppb v/v			01/23/14 18:40	1
cis-1,2-Dichloroethene	ND		0.20	0.20	ppb v/v			01/23/14 18:40	1
cis-1,3-Dichloropropene	ND		0.20	0.20	ppb v/v			01/23/14 18:40	1
Cumene	ND		0.20	0.20	ppb v/v			01/23/14 18:40	1
Cyclohexane	ND		0.20	0.20	ppb v/v			01/23/14 18:40	1
Dibromochloromethane	ND		0.20	0.20	ppb v/v			01/23/14 18:40	1
Dichlorodifluoromethane	0.93		0.50	0.50	ppb v/v			01/23/14 18:40	1
Ethylbenzene	ND		0.20	0.20	ppb v/v			01/23/14 18:40	1
Freon 22	ND		0.50	0.50	ppb v/v			01/23/14 18:40	1
Freon TF	ND		0.20	0.20	ppb v/v			01/23/14 18:40	1
Hexachlorobutadiene	ND		0.20	0.20	ppb v/v			01/23/14 18:40	1
Isopropyl alcohol	ND		5.0	5.0	ppb v/v			01/23/14 18:40	1
m,p-Xylene	ND		0.50	0.50	ppb v/v			01/23/14 18:40	1
Methyl Butyl Ketone (2-Hexanone)	ND		0.50	0.50	ppb v/v			01/23/14 18:40	1
Methyl Ethyl Ketone	ND		0.50	0.50	ppb v/v			01/23/14 18:40	1
methyl isobutyl ketone	ND		0.50	0.50	ppb v/v			01/23/14 18:40	1
Methyl methacrylate	ND		0.50	0.50	ppb v/v			01/23/14 18:40	1
Methyl tert-butyl ether	ND		0.20	0.20	ppb v/v			01/23/14 18:40	1
Methylene Chloride	ND		0.50	0.50	ppb v/v			01/23/14 18:40	1
Naphthalene	ND		0.50	0.50	ppb v/v			01/23/14 18:40	1
n-Butane	ND		0.50	0.50	ppb v/v			01/23/14 18:40	1
n-Butylbenzene	ND		0.20	0.20	ppb v/v			01/23/14 18:40	1
n-Heptane	ND		0.20	0.20	ppb v/v			01/23/14 18:40	1
n-Hexane	ND		0.20	0.20	ppb v/v			01/23/14 18:40	1
n-Propylbenzene	ND		0.20	0.20	ppb v/v			01/23/14 18:40	1
sec-Butylbenzene	ND		0.20	0.20	ppb v/v			01/23/14 18:40	1
Styrene	ND		0.20	0.20	ppb v/v			01/23/14 18:40	1
tert-Butyl alcohol	ND		5.0	5.0	ppb v/v			01/23/14 18:40	1
tert-Butylbenzene	ND		0.20	0.20	ppb v/v			01/23/14 18:40	1
Tetrachloroethene	0.20		0.20	0.20	ppb v/v			01/23/14 18:40	1
Tetrahydrofuran	ND		5.0	5.0	ppb v/v			01/23/14 18:40	1
Toluene	0.74		0.20	0.20	ppb v/v			01/23/14 18:40	1
trans-1,2-Dichloroethene	ND		0.20	0.20	ppb v/v			01/23/14 18:40	1
trans-1,3-Dichloropropene	ND		0.20	0.20	ppb v/v			01/23/14 18:40	1
Trichloroethene	0.23		0.20	0.20	ppb v/v			01/23/14 18:40	1
Trichlorofluoromethane	0.39		0.20	0.20	ppb v/v			01/23/14 18:40	1
Vinyl chloride	ND		0.20	0.20	ppb v/v			01/23/14 18:40	1

TestAmerica Buffalo

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 058507, GM-Lockport Vapor Intrusion

TestAmerica Job ID: 480-53609-1

Client Sample ID: 6VI-21A-011814

Lab Sample ID: 480-53609-3

Date Collected: 01/18/14 18:47

Matrix: Air

Date Received: 01/21/14 10:15

Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Xylene (total)	ND		0.20	0.20	ppb v/v			01/23/14 18:40	1
Xylene, o-	ND		0.20	0.20	ppb v/v			01/23/14 18:40	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.1	1.1	ug/m3			01/23/14 18:40	1
1,1,2,2-Tetrachloroethane	ND		1.4	1.4	ug/m3			01/23/14 18:40	1
1,1,2-Trichloroethane	ND		1.1	1.1	ug/m3			01/23/14 18:40	1
1,1-Dichloroethane	ND		0.81	0.81	ug/m3			01/23/14 18:40	1
1,1-Dichloroethene	ND		0.79	0.79	ug/m3			01/23/14 18:40	1
1,2,4-Trichlorobenzene	ND		3.7	3.7	ug/m3			01/23/14 18:40	1
1,2,4-Trimethylbenzene	ND		0.98	0.98	ug/m3			01/23/14 18:40	1
1,2-Dibromoethane	ND		1.5	1.5	ug/m3			01/23/14 18:40	1
1,2-Dichlorobenzene	ND		1.2	1.2	ug/m3			01/23/14 18:40	1
1,2-Dichloroethane	ND		0.81	0.81	ug/m3			01/23/14 18:40	1
1,2-Dichloroethene, Total	ND		0.79	0.79	ug/m3			01/23/14 18:40	1
1,2-Dichloropropane	ND		0.92	0.92	ug/m3			01/23/14 18:40	1
1,2-Dichlorotetrafluoroethane	ND		1.4	1.4	ug/m3			01/23/14 18:40	1
1,3,5-Trimethylbenzene	ND		0.98	0.98	ug/m3			01/23/14 18:40	1
1,3-Butadiene	ND		0.44	0.44	ug/m3			01/23/14 18:40	1
1,3-Dichlorobenzene	ND		1.2	1.2	ug/m3			01/23/14 18:40	1
1,4-Dichlorobenzene	ND		1.2	1.2	ug/m3			01/23/14 18:40	1
1,4-Dioxane	ND		18	18	ug/m3			01/23/14 18:40	1
2,2,4-Trimethylpentane	ND		0.93	0.93	ug/m3			01/23/14 18:40	1
2-Chlorotoluene	ND		1.0	1.0	ug/m3			01/23/14 18:40	1
3-Chloropropene	ND		1.6	1.6	ug/m3			01/23/14 18:40	1
4-Ethyltoluene	ND		0.98	0.98	ug/m3			01/23/14 18:40	1
4-Isopropyltoluene	ND		1.1	1.1	ug/m3			01/23/14 18:40	1
Acetone	ND		12	12	ug/m3			01/23/14 18:40	1
Benzene	0.69		0.64	0.64	ug/m3			01/23/14 18:40	1
Benzyl chloride	ND		1.0	1.0	ug/m3			01/23/14 18:40	1
Bromodichloromethane	ND		1.3	1.3	ug/m3			01/23/14 18:40	1
Bromoethene(Vinyl Bromide)	ND		0.87	0.87	ug/m3			01/23/14 18:40	1
Bromoform	ND		2.1	2.1	ug/m3			01/23/14 18:40	1
Bromomethane	ND		0.78	0.78	ug/m3			01/23/14 18:40	1
Carbon disulfide	ND		1.6	1.6	ug/m3			01/23/14 18:40	1
Carbon tetrachloride	ND		1.3	1.3	ug/m3			01/23/14 18:40	1
Chlorobenzene	ND		0.92	0.92	ug/m3			01/23/14 18:40	1
Chloroethane	ND		1.3	1.3	ug/m3			01/23/14 18:40	1
Chloroform	ND		0.98	0.98	ug/m3			01/23/14 18:40	1
Chloromethane	ND		1.0	1.0	ug/m3			01/23/14 18:40	1
cis-1,2-Dichloroethene	ND		0.79	0.79	ug/m3			01/23/14 18:40	1
cis-1,3-Dichloropropene	ND		0.91	0.91	ug/m3			01/23/14 18:40	1
Cumene	ND		0.98	0.98	ug/m3			01/23/14 18:40	1
Cyclohexane	ND		0.69	0.69	ug/m3			01/23/14 18:40	1
Dibromochloromethane	ND		1.7	1.7	ug/m3			01/23/14 18:40	1
Dichlorodifluoromethane	4.6		2.5	2.5	ug/m3			01/23/14 18:40	1
Ethylbenzene	ND		0.87	0.87	ug/m3			01/23/14 18:40	1
Freon 22	ND		1.8	1.8	ug/m3			01/23/14 18:40	1
Freon TF	ND		1.5	1.5	ug/m3			01/23/14 18:40	1

TestAmerica Buffalo

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 058507, GM-Lockport Vapor Intrusion

TestAmerica Job ID: 480-53609-1

Client Sample ID: 6VI-2IA-011814

Lab Sample ID: 480-53609-3

Date Collected: 01/18/14 18:47

Matrix: Air

Date Received: 01/21/14 10:15

Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorobutadiene	ND		2.1	2.1	ug/m3			01/23/14 18:40	1
Isopropyl alcohol	ND		12	12	ug/m3			01/23/14 18:40	1
m,p-Xylene	ND		2.2	2.2	ug/m3			01/23/14 18:40	1
Methyl Butyl Ketone (2-Hexanone)	ND		2.0	2.0	ug/m3			01/23/14 18:40	1
Methyl Ethyl Ketone	ND		1.5	1.5	ug/m3			01/23/14 18:40	1
methyl isobutyl ketone	ND		2.0	2.0	ug/m3			01/23/14 18:40	1
Methyl methacrylate	ND		2.0	2.0	ug/m3			01/23/14 18:40	1
Methyl tert-butyl ether	ND		0.72	0.72	ug/m3			01/23/14 18:40	1
Methylene Chloride	ND		1.7	1.7	ug/m3			01/23/14 18:40	1
Naphthalene	ND		2.6	2.6	ug/m3			01/23/14 18:40	1
n-Butane	ND		1.2	1.2	ug/m3			01/23/14 18:40	1
n-Butylbenzene	ND		1.1	1.1	ug/m3			01/23/14 18:40	1
n-Heptane	ND		0.82	0.82	ug/m3			01/23/14 18:40	1
n-Hexane	ND		0.70	0.70	ug/m3			01/23/14 18:40	1
n-Propylbenzene	ND		0.98	0.98	ug/m3			01/23/14 18:40	1
sec-Butylbenzene	ND		1.1	1.1	ug/m3			01/23/14 18:40	1
Styrene	ND		0.85	0.85	ug/m3			01/23/14 18:40	1
tert-Butyl alcohol	ND		15	15	ug/m3			01/23/14 18:40	1
tert-Butylbenzene	ND		1.1	1.1	ug/m3			01/23/14 18:40	1
Tetrachloroethene	1.4		1.4	1.4	ug/m3			01/23/14 18:40	1
Tetrahydrofuran	ND		15	15	ug/m3			01/23/14 18:40	1
Toluene	2.8		0.75	0.75	ug/m3			01/23/14 18:40	1
trans-1,2-Dichloroethene	ND		0.79	0.79	ug/m3			01/23/14 18:40	1
trans-1,3-Dichloropropene	ND		0.91	0.91	ug/m3			01/23/14 18:40	1
Trichloroethene	1.2		1.1	1.1	ug/m3			01/23/14 18:40	1
Trichlorofluoromethane	2.2		1.1	1.1	ug/m3			01/23/14 18:40	1
Vinyl chloride	ND		0.51	0.51	ug/m3			01/23/14 18:40	1
Xylene (total)	ND		0.87	0.87	ug/m3			01/23/14 18:40	1
Xylene, o-	ND		0.87	0.87	ug/m3			01/23/14 18:40	1

Client Sample ID: 6VI-2SS-011814

Lab Sample ID: 480-53609-4

Date Collected: 01/18/14 18:45

Matrix: Air

Date Received: 01/21/14 10:15

Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.20	0.20	ppb v/v			01/23/14 19:30	1
1,1,1,2-Tetrachloroethane	ND		0.20	0.20	ppb v/v			01/23/14 19:30	1
1,1,2-Trichloroethane	ND		0.20	0.20	ppb v/v			01/23/14 19:30	1
1,1-Dichloroethane	ND		0.20	0.20	ppb v/v			01/23/14 19:30	1
1,1-Dichloroethene	ND		0.20	0.20	ppb v/v			01/23/14 19:30	1
1,2,4-Trichlorobenzene	ND		0.50	0.50	ppb v/v			01/23/14 19:30	1
1,2,4-Trimethylbenzene	ND		0.20	0.20	ppb v/v			01/23/14 19:30	1
1,2-Dibromoethane	ND		0.20	0.20	ppb v/v			01/23/14 19:30	1
1,2-Dichlorobenzene	ND		0.20	0.20	ppb v/v			01/23/14 19:30	1
1,2-Dichloroethane	ND		0.20	0.20	ppb v/v			01/23/14 19:30	1
1,2-Dichloroethene, Total	ND		0.20	0.20	ppb v/v			01/23/14 19:30	1
1,2-Dichloropropane	ND		0.20	0.20	ppb v/v			01/23/14 19:30	1

TestAmerica Buffalo

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 058507, GM-Lockport Vapor Intrusion

TestAmerica Job ID: 480-53609-1

Client Sample ID: 6VI-2SS-011814

Lab Sample ID: 480-53609-4

Date Collected: 01/18/14 18:45

Matrix: Air

Date Received: 01/21/14 10:15

Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorotetrafluoroethane	ND		0.20	0.20	ppb v/v			01/23/14 19:30	1
1,3,5-Trimethylbenzene	ND		0.20	0.20	ppb v/v			01/23/14 19:30	1
1,3-Butadiene	ND		0.20	0.20	ppb v/v			01/23/14 19:30	1
1,3-Dichlorobenzene	ND		0.20	0.20	ppb v/v			01/23/14 19:30	1
1,4-Dichlorobenzene	ND		0.20	0.20	ppb v/v			01/23/14 19:30	1
1,4-Dioxane	ND		5.0	5.0	ppb v/v			01/23/14 19:30	1
2,2,4-Trimethylpentane	ND		0.20	0.20	ppb v/v			01/23/14 19:30	1
2-Chlorotoluene	ND		0.20	0.20	ppb v/v			01/23/14 19:30	1
3-Chloropropene	ND		0.50	0.50	ppb v/v			01/23/14 19:30	1
4-Ethyltoluene	ND		0.20	0.20	ppb v/v			01/23/14 19:30	1
4-Isopropyltoluene	ND		0.20	0.20	ppb v/v			01/23/14 19:30	1
Acetone	ND		5.0	5.0	ppb v/v			01/23/14 19:30	1
Benzene	ND		0.20	0.20	ppb v/v			01/23/14 19:30	1
Benzyl chloride	ND		0.20	0.20	ppb v/v			01/23/14 19:30	1
Bromodichloromethane	ND		0.20	0.20	ppb v/v			01/23/14 19:30	1
Bromoethene(Vinyl Bromide)	ND		0.20	0.20	ppb v/v			01/23/14 19:30	1
Bromoform	ND		0.20	0.20	ppb v/v			01/23/14 19:30	1
Bromomethane	ND		0.20	0.20	ppb v/v			01/23/14 19:30	1
Carbon disulfide	ND		0.50	0.50	ppb v/v			01/23/14 19:30	1
Carbon tetrachloride	ND		0.20	0.20	ppb v/v			01/23/14 19:30	1
Chlorobenzene	ND		0.20	0.20	ppb v/v			01/23/14 19:30	1
Chloroethane	ND		0.50	0.50	ppb v/v			01/23/14 19:30	1
Chloroform	ND		0.20	0.20	ppb v/v			01/23/14 19:30	1
Chloromethane	ND		0.50	0.50	ppb v/v			01/23/14 19:30	1
cis-1,2-Dichloroethene	ND		0.20	0.20	ppb v/v			01/23/14 19:30	1
cis-1,3-Dichloropropene	ND		0.20	0.20	ppb v/v			01/23/14 19:30	1
Cumene	ND		0.20	0.20	ppb v/v			01/23/14 19:30	1
Cyclohexane	ND		0.20	0.20	ppb v/v			01/23/14 19:30	1
Dibromochloromethane	ND		0.20	0.20	ppb v/v			01/23/14 19:30	1
Dichlorodifluoromethane	ND		0.50	0.50	ppb v/v			01/23/14 19:30	1
Ethylbenzene	ND		0.20	0.20	ppb v/v			01/23/14 19:30	1
Freon 22	ND		0.50	0.50	ppb v/v			01/23/14 19:30	1
Freon TF	ND		0.20	0.20	ppb v/v			01/23/14 19:30	1
Hexachlorobutadiene	ND		0.20	0.20	ppb v/v			01/23/14 19:30	1
Isopropyl alcohol	ND		5.0	5.0	ppb v/v			01/23/14 19:30	1
m,p-Xylene	ND		0.50	0.50	ppb v/v			01/23/14 19:30	1
Methyl Butyl Ketone (2-Hexanone)	ND		0.50	0.50	ppb v/v			01/23/14 19:30	1
Methyl Ethyl Ketone	ND		0.50	0.50	ppb v/v			01/23/14 19:30	1
methyl isobutyl ketone	ND		0.50	0.50	ppb v/v			01/23/14 19:30	1
Methyl methacrylate	ND		0.50	0.50	ppb v/v			01/23/14 19:30	1
Methyl tert-butyl ether	ND		0.20	0.20	ppb v/v			01/23/14 19:30	1
Methylene Chloride	ND		0.50	0.50	ppb v/v			01/23/14 19:30	1
Naphthalene	ND		0.50	0.50	ppb v/v			01/23/14 19:30	1
n-Butane	ND		0.50	0.50	ppb v/v			01/23/14 19:30	1
n-Butylbenzene	ND		0.20	0.20	ppb v/v			01/23/14 19:30	1
n-Heptane	ND		0.20	0.20	ppb v/v			01/23/14 19:30	1
n-Hexane	ND		0.20	0.20	ppb v/v			01/23/14 19:30	1
n-Propylbenzene	ND		0.20	0.20	ppb v/v			01/23/14 19:30	1

TestAmerica Buffalo

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 058507, GM-Lockport Vapor Intrusion

TestAmerica Job ID: 480-53609-1

Client Sample ID: 6VI-2SS-011814

Lab Sample ID: 480-53609-4

Date Collected: 01/18/14 18:45

Matrix: Air

Date Received: 01/21/14 10:15

Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		0.20	0.20	ppb v/v			01/23/14 19:30	1
Styrene	ND		0.20	0.20	ppb v/v			01/23/14 19:30	1
tert-Butyl alcohol	ND		5.0	5.0	ppb v/v			01/23/14 19:30	1
tert-Butylbenzene	ND		0.20	0.20	ppb v/v			01/23/14 19:30	1
Tetrachloroethene	ND		0.20	0.20	ppb v/v			01/23/14 19:30	1
Tetrahydrofuran	ND		5.0	5.0	ppb v/v			01/23/14 19:30	1
Toluene	ND		0.20	0.20	ppb v/v			01/23/14 19:30	1
trans-1,2-Dichloroethene	ND		0.20	0.20	ppb v/v			01/23/14 19:30	1
trans-1,3-Dichloropropene	ND		0.20	0.20	ppb v/v			01/23/14 19:30	1
Trichloroethene	ND		0.20	0.20	ppb v/v			01/23/14 19:30	1
Trichlorofluoromethane	0.21		0.20	0.20	ppb v/v			01/23/14 19:30	1
Vinyl chloride	ND		0.20	0.20	ppb v/v			01/23/14 19:30	1
Xylene (total)	ND		0.20	0.20	ppb v/v			01/23/14 19:30	1
Xylene, o-	ND		0.20	0.20	ppb v/v			01/23/14 19:30	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.1	1.1	ug/m3			01/23/14 19:30	1
1,1,2,2-Tetrachloroethane	ND		1.4	1.4	ug/m3			01/23/14 19:30	1
1,1,2-Trichloroethane	ND		1.1	1.1	ug/m3			01/23/14 19:30	1
1,1-Dichloroethane	ND		0.81	0.81	ug/m3			01/23/14 19:30	1
1,1-Dichloroethene	ND		0.79	0.79	ug/m3			01/23/14 19:30	1
1,2,4-Trichlorobenzene	ND		3.7	3.7	ug/m3			01/23/14 19:30	1
1,2,4-Trimethylbenzene	ND		0.98	0.98	ug/m3			01/23/14 19:30	1
1,2-Dibromoethane	ND		1.5	1.5	ug/m3			01/23/14 19:30	1
1,2-Dichlorobenzene	ND		1.2	1.2	ug/m3			01/23/14 19:30	1
1,2-Dichloroethane	ND		0.81	0.81	ug/m3			01/23/14 19:30	1
1,2-Dichloroethene, Total	ND		0.79	0.79	ug/m3			01/23/14 19:30	1
1,2-Dichloropropane	ND		0.92	0.92	ug/m3			01/23/14 19:30	1
1,2-Dichlorotetrafluoroethane	ND		1.4	1.4	ug/m3			01/23/14 19:30	1
1,3,5-Trimethylbenzene	ND		0.98	0.98	ug/m3			01/23/14 19:30	1
1,3-Butadiene	ND		0.44	0.44	ug/m3			01/23/14 19:30	1
1,3-Dichlorobenzene	ND		1.2	1.2	ug/m3			01/23/14 19:30	1
1,4-Dichlorobenzene	ND		1.2	1.2	ug/m3			01/23/14 19:30	1
1,4-Dioxane	ND		18	18	ug/m3			01/23/14 19:30	1
2,2,4-Trimethylpentane	ND		0.93	0.93	ug/m3			01/23/14 19:30	1
2-Chlorotoluene	ND		1.0	1.0	ug/m3			01/23/14 19:30	1
3-Chloropropene	ND		1.6	1.6	ug/m3			01/23/14 19:30	1
4-Ethyltoluene	ND		0.98	0.98	ug/m3			01/23/14 19:30	1
4-Isopropyltoluene	ND		1.1	1.1	ug/m3			01/23/14 19:30	1
Acetone	ND		12	12	ug/m3			01/23/14 19:30	1
Benzene	ND		0.64	0.64	ug/m3			01/23/14 19:30	1
Benzyl chloride	ND		1.0	1.0	ug/m3			01/23/14 19:30	1
Bromodichloromethane	ND		1.3	1.3	ug/m3			01/23/14 19:30	1
Bromoethene(Vinyl Bromide)	ND		0.87	0.87	ug/m3			01/23/14 19:30	1
Bromoform	ND		2.1	2.1	ug/m3			01/23/14 19:30	1
Bromomethane	ND		0.78	0.78	ug/m3			01/23/14 19:30	1
Carbon disulfide	ND		1.6	1.6	ug/m3			01/23/14 19:30	1
Carbon tetrachloride	ND		1.3	1.3	ug/m3			01/23/14 19:30	1
Chlorobenzene	ND		0.92	0.92	ug/m3			01/23/14 19:30	1

TestAmerica Buffalo

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 058507, GM-Lockport Vapor Intrusion

TestAmerica Job ID: 480-53609-1

Client Sample ID: 6VI-2SS-011814

Lab Sample ID: 480-53609-4

Date Collected: 01/18/14 18:45

Matrix: Air

Date Received: 01/21/14 10:15

Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroethane	ND		1.3	1.3	ug/m3			01/23/14 19:30	1
Chloroform	ND		0.98	0.98	ug/m3			01/23/14 19:30	1
Chloromethane	ND		1.0	1.0	ug/m3			01/23/14 19:30	1
cis-1,2-Dichloroethene	ND		0.79	0.79	ug/m3			01/23/14 19:30	1
cis-1,3-Dichloropropene	ND		0.91	0.91	ug/m3			01/23/14 19:30	1
Cumene	ND		0.98	0.98	ug/m3			01/23/14 19:30	1
Cyclohexane	ND		0.69	0.69	ug/m3			01/23/14 19:30	1
Dibromochloromethane	ND		1.7	1.7	ug/m3			01/23/14 19:30	1
Dichlorodifluoromethane	ND		2.5	2.5	ug/m3			01/23/14 19:30	1
Ethylbenzene	ND		0.87	0.87	ug/m3			01/23/14 19:30	1
Freon 22	ND		1.8	1.8	ug/m3			01/23/14 19:30	1
Freon TF	ND		1.5	1.5	ug/m3			01/23/14 19:30	1
Hexachlorobutadiene	ND		2.1	2.1	ug/m3			01/23/14 19:30	1
Isopropyl alcohol	ND		12	12	ug/m3			01/23/14 19:30	1
m,p-Xylene	ND		2.2	2.2	ug/m3			01/23/14 19:30	1
Methyl Butyl Ketone (2-Hexanone)	ND		2.0	2.0	ug/m3			01/23/14 19:30	1
Methyl Ethyl Ketone	ND		1.5	1.5	ug/m3			01/23/14 19:30	1
methyl isobutyl ketone	ND		2.0	2.0	ug/m3			01/23/14 19:30	1
Methyl methacrylate	ND		2.0	2.0	ug/m3			01/23/14 19:30	1
Methyl tert-butyl ether	ND		0.72	0.72	ug/m3			01/23/14 19:30	1
Methylene Chloride	ND		1.7	1.7	ug/m3			01/23/14 19:30	1
Naphthalene	ND		2.6	2.6	ug/m3			01/23/14 19:30	1
n-Butane	ND		1.2	1.2	ug/m3			01/23/14 19:30	1
n-Butylbenzene	ND		1.1	1.1	ug/m3			01/23/14 19:30	1
n-Heptane	ND		0.82	0.82	ug/m3			01/23/14 19:30	1
n-Hexane	ND		0.70	0.70	ug/m3			01/23/14 19:30	1
n-Propylbenzene	ND		0.98	0.98	ug/m3			01/23/14 19:30	1
sec-Butylbenzene	ND		1.1	1.1	ug/m3			01/23/14 19:30	1
Styrene	ND		0.85	0.85	ug/m3			01/23/14 19:30	1
tert-Butyl alcohol	ND		15	15	ug/m3			01/23/14 19:30	1
tert-Butylbenzene	ND		1.1	1.1	ug/m3			01/23/14 19:30	1
Tetrachloroethene	ND		1.4	1.4	ug/m3			01/23/14 19:30	1
Tetrahydrofuran	ND		15	15	ug/m3			01/23/14 19:30	1
Toluene	ND		0.75	0.75	ug/m3			01/23/14 19:30	1
trans-1,2-Dichloroethene	ND		0.79	0.79	ug/m3			01/23/14 19:30	1
trans-1,3-Dichloropropene	ND		0.91	0.91	ug/m3			01/23/14 19:30	1
Trichloroethene	ND		1.1	1.1	ug/m3			01/23/14 19:30	1
Trichlorofluoromethane	1.2		1.1	1.1	ug/m3			01/23/14 19:30	1
Vinyl chloride	ND		0.51	0.51	ug/m3			01/23/14 19:30	1
Xylene (total)	ND		0.87	0.87	ug/m3			01/23/14 19:30	1
Xylene, o-	ND		0.87	0.87	ug/m3			01/23/14 19:30	1

TestAmerica Buffalo

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 058507, GM-Lockport Vapor Intrusion

TestAmerica Job ID: 480-53609-1

Client Sample ID: 6VI-3IA-011814

Lab Sample ID: 480-53609-5

Date Collected: 01/18/14 18:30

Matrix: Air

Date Received: 01/21/14 10:15

Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.26	0.26	ppb v/v			01/23/14 20:19	1.31
1,1,2,2-Tetrachloroethane	ND		0.26	0.26	ppb v/v			01/23/14 20:19	1.31
1,1,2-Trichloroethane	ND		0.26	0.26	ppb v/v			01/23/14 20:19	1.31
1,1-Dichloroethane	ND		0.26	0.26	ppb v/v			01/23/14 20:19	1.31
1,1-Dichloroethene	ND		0.26	0.26	ppb v/v			01/23/14 20:19	1.31
1,2,4-Trichlorobenzene	ND		0.66	0.66	ppb v/v			01/23/14 20:19	1.31
1,2,4-Trimethylbenzene	ND		0.26	0.26	ppb v/v			01/23/14 20:19	1.31
1,2-Dibromoethane	ND		0.26	0.26	ppb v/v			01/23/14 20:19	1.31
1,2-Dichlorobenzene	ND		0.26	0.26	ppb v/v			01/23/14 20:19	1.31
1,2-Dichloroethane	ND		0.26	0.26	ppb v/v			01/23/14 20:19	1.31
1,2-Dichloroethene, Total	ND		0.26	0.26	ppb v/v			01/23/14 20:19	1.31
1,2-Dichloropropane	ND		0.26	0.26	ppb v/v			01/23/14 20:19	1.31
1,2-Dichlorotetrafluoroethane	ND		0.26	0.26	ppb v/v			01/23/14 20:19	1.31
1,3,5-Trimethylbenzene	ND		0.26	0.26	ppb v/v			01/23/14 20:19	1.31
1,3-Butadiene	ND		0.26	0.26	ppb v/v			01/23/14 20:19	1.31
1,3-Dichlorobenzene	ND		0.26	0.26	ppb v/v			01/23/14 20:19	1.31
1,4-Dichlorobenzene	ND		0.26	0.26	ppb v/v			01/23/14 20:19	1.31
1,4-Dioxane	ND		6.6	6.6	ppb v/v			01/23/14 20:19	1.31
2,2,4-Trimethylpentane	ND		0.26	0.26	ppb v/v			01/23/14 20:19	1.31
2-Chlorotoluene	ND		0.26	0.26	ppb v/v			01/23/14 20:19	1.31
3-Chloropropene	ND		0.66	0.66	ppb v/v			01/23/14 20:19	1.31
4-Ethyltoluene	ND		0.26	0.26	ppb v/v			01/23/14 20:19	1.31
4-Isopropyltoluene	ND		0.26	0.26	ppb v/v			01/23/14 20:19	1.31
Acetone	ND		6.6	6.6	ppb v/v			01/23/14 20:19	1.31
Benzene	ND		0.26	0.26	ppb v/v			01/23/14 20:19	1.31
Benzyl chloride	ND		0.26	0.26	ppb v/v			01/23/14 20:19	1.31
Bromodichloromethane	ND		0.26	0.26	ppb v/v			01/23/14 20:19	1.31
Bromoethene(Vinyl Bromide)	ND		0.26	0.26	ppb v/v			01/23/14 20:19	1.31
Bromoform	ND		0.26	0.26	ppb v/v			01/23/14 20:19	1.31
Bromomethane	ND		0.26	0.26	ppb v/v			01/23/14 20:19	1.31
Carbon disulfide	ND		0.66	0.66	ppb v/v			01/23/14 20:19	1.31
Carbon tetrachloride	ND		0.26	0.26	ppb v/v			01/23/14 20:19	1.31
Chlorobenzene	ND		0.26	0.26	ppb v/v			01/23/14 20:19	1.31
Chloroethane	ND		0.66	0.66	ppb v/v			01/23/14 20:19	1.31
Chloroform	ND		0.26	0.26	ppb v/v			01/23/14 20:19	1.31
Chloromethane	ND		0.66	0.66	ppb v/v			01/23/14 20:19	1.31
cis-1,2-Dichloroethene	ND		0.26	0.26	ppb v/v			01/23/14 20:19	1.31
cis-1,3-Dichloropropene	ND		0.26	0.26	ppb v/v			01/23/14 20:19	1.31
Cumene	ND		0.26	0.26	ppb v/v			01/23/14 20:19	1.31
Cyclohexane	ND		0.26	0.26	ppb v/v			01/23/14 20:19	1.31
Dibromochloromethane	ND		0.26	0.26	ppb v/v			01/23/14 20:19	1.31
Dichlorodifluoromethane	3.0		0.66	0.66	ppb v/v			01/23/14 20:19	1.31
Ethylbenzene	ND		0.26	0.26	ppb v/v			01/23/14 20:19	1.31
Freon 22	ND		0.66	0.66	ppb v/v			01/23/14 20:19	1.31
Freon TF	ND		0.26	0.26	ppb v/v			01/23/14 20:19	1.31
Hexachlorobutadiene	ND		0.26	0.26	ppb v/v			01/23/14 20:19	1.31
Isopropyl alcohol	ND		6.6	6.6	ppb v/v			01/23/14 20:19	1.31
m,p-Xylene	ND		0.66	0.66	ppb v/v			01/23/14 20:19	1.31

TestAmerica Buffalo

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 058507, GM-Lockport Vapor Intrusion

TestAmerica Job ID: 480-53609-1

Client Sample ID: 6VI-3IA-011814

Lab Sample ID: 480-53609-5

Date Collected: 01/18/14 18:30

Matrix: Air

Date Received: 01/21/14 10:15

Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Butyl Ketone (2-Hexanone)	ND		0.66	0.66	ppb v/v			01/23/14 20:19	1.31
Methyl Ethyl Ketone	ND		0.66	0.66	ppb v/v			01/23/14 20:19	1.31
methyl isobutyl ketone	ND		0.66	0.66	ppb v/v			01/23/14 20:19	1.31
Methyl methacrylate	ND		0.66	0.66	ppb v/v			01/23/14 20:19	1.31
Methyl tert-butyl ether	ND		0.26	0.26	ppb v/v			01/23/14 20:19	1.31
Methylene Chloride	ND		0.66	0.66	ppb v/v			01/23/14 20:19	1.31
Naphthalene	ND		0.66	0.66	ppb v/v			01/23/14 20:19	1.31
n-Butane	ND		0.66	0.66	ppb v/v			01/23/14 20:19	1.31
n-Butylbenzene	ND		0.26	0.26	ppb v/v			01/23/14 20:19	1.31
n-Heptane	ND		0.26	0.26	ppb v/v			01/23/14 20:19	1.31
n-Hexane	ND		0.26	0.26	ppb v/v			01/23/14 20:19	1.31
n-Propylbenzene	ND		0.26	0.26	ppb v/v			01/23/14 20:19	1.31
sec-Butylbenzene	ND		0.26	0.26	ppb v/v			01/23/14 20:19	1.31
Styrene	ND		0.26	0.26	ppb v/v			01/23/14 20:19	1.31
tert-Butyl alcohol	ND		6.6	6.6	ppb v/v			01/23/14 20:19	1.31
tert-Butylbenzene	ND		0.26	0.26	ppb v/v			01/23/14 20:19	1.31
Tetrachloroethene	0.40		0.26	0.26	ppb v/v			01/23/14 20:19	1.31
Tetrahydrofuran	ND		6.6	6.6	ppb v/v			01/23/14 20:19	1.31
Toluene	0.38		0.26	0.26	ppb v/v			01/23/14 20:19	1.31
trans-1,2-Dichloroethene	ND		0.26	0.26	ppb v/v			01/23/14 20:19	1.31
trans-1,3-Dichloropropene	ND		0.26	0.26	ppb v/v			01/23/14 20:19	1.31
Trichloroethene	ND		0.26	0.26	ppb v/v			01/23/14 20:19	1.31
Trichlorofluoromethane	0.42		0.26	0.26	ppb v/v			01/23/14 20:19	1.31
Vinyl chloride	ND		0.26	0.26	ppb v/v			01/23/14 20:19	1.31
Xylene (total)	ND		0.26	0.26	ppb v/v			01/23/14 20:19	1.31
Xylene, o-	ND		0.26	0.26	ppb v/v			01/23/14 20:19	1.31

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.4	1.4	ug/m3			01/23/14 20:19	1.31
1,1,2,2-Tetrachloroethane	ND		1.8	1.8	ug/m3			01/23/14 20:19	1.31
1,1,2-Trichloroethane	ND		1.4	1.4	ug/m3			01/23/14 20:19	1.31
1,1-Dichloroethane	ND		1.1	1.1	ug/m3			01/23/14 20:19	1.31
1,1-Dichloroethene	ND		1.0	1.0	ug/m3			01/23/14 20:19	1.31
1,2,4-Trichlorobenzene	ND		4.9	4.9	ug/m3			01/23/14 20:19	1.31
1,2,4-Trimethylbenzene	ND		1.3	1.3	ug/m3			01/23/14 20:19	1.31
1,2-Dibromoethane	ND		2.0	2.0	ug/m3			01/23/14 20:19	1.31
1,2-Dichlorobenzene	ND		1.6	1.6	ug/m3			01/23/14 20:19	1.31
1,2-Dichloroethane	ND		1.1	1.1	ug/m3			01/23/14 20:19	1.31
1,2-Dichloroethene, Total	ND		1.0	1.0	ug/m3			01/23/14 20:19	1.31
1,2-Dichloropropane	ND		1.2	1.2	ug/m3			01/23/14 20:19	1.31
1,2-Dichlorotetrafluoroethane	ND		1.8	1.8	ug/m3			01/23/14 20:19	1.31
1,3,5-Trimethylbenzene	ND		1.3	1.3	ug/m3			01/23/14 20:19	1.31
1,3-Butadiene	ND		0.58	0.58	ug/m3			01/23/14 20:19	1.31
1,3-Dichlorobenzene	ND		1.6	1.6	ug/m3			01/23/14 20:19	1.31
1,4-Dichlorobenzene	ND		1.6	1.6	ug/m3			01/23/14 20:19	1.31
1,4-Dioxane	ND		24	24	ug/m3			01/23/14 20:19	1.31
2,2,4-Trimethylpentane	ND		1.2	1.2	ug/m3			01/23/14 20:19	1.31
2-Chlorotoluene	ND		1.4	1.4	ug/m3			01/23/14 20:19	1.31
3-Chloropropene	ND		2.1	2.1	ug/m3			01/23/14 20:19	1.31

TestAmerica Buffalo

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 058507, GM-Lockport Vapor Intrusion

TestAmerica Job ID: 480-53609-1

Client Sample ID: 6VI-3IA-011814

Lab Sample ID: 480-53609-5

Date Collected: 01/18/14 18:30

Matrix: Air

Date Received: 01/21/14 10:15

Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
4-Ethyltoluene	ND		1.3	1.3	ug/m3			01/23/14 20:19	1.31
4-Isopropyltoluene	ND		1.4	1.4	ug/m3			01/23/14 20:19	1.31
Acetone	ND		16	16	ug/m3			01/23/14 20:19	1.31
Benzene	ND		0.84	0.84	ug/m3			01/23/14 20:19	1.31
Benzyl chloride	ND		1.4	1.4	ug/m3			01/23/14 20:19	1.31
Bromodichloromethane	ND		1.8	1.8	ug/m3			01/23/14 20:19	1.31
Bromoethene(Vinyl Bromide)	ND		1.1	1.1	ug/m3			01/23/14 20:19	1.31
Bromoform	ND		2.7	2.7	ug/m3			01/23/14 20:19	1.31
Bromomethane	ND		1.0	1.0	ug/m3			01/23/14 20:19	1.31
Carbon disulfide	ND		2.0	2.0	ug/m3			01/23/14 20:19	1.31
Carbon tetrachloride	ND		1.6	1.6	ug/m3			01/23/14 20:19	1.31
Chlorobenzene	ND		1.2	1.2	ug/m3			01/23/14 20:19	1.31
Chloroethane	ND		1.7	1.7	ug/m3			01/23/14 20:19	1.31
Chloroform	ND		1.3	1.3	ug/m3			01/23/14 20:19	1.31
Chloromethane	ND		1.4	1.4	ug/m3			01/23/14 20:19	1.31
cis-1,2-Dichloroethene	ND		1.0	1.0	ug/m3			01/23/14 20:19	1.31
cis-1,3-Dichloropropene	ND		1.2	1.2	ug/m3			01/23/14 20:19	1.31
Cumene	ND		1.3	1.3	ug/m3			01/23/14 20:19	1.31
Cyclohexane	ND		0.90	0.90	ug/m3			01/23/14 20:19	1.31
Dibromochloromethane	ND		2.2	2.2	ug/m3			01/23/14 20:19	1.31
Dichlorodifluoromethane	15		3.2	3.2	ug/m3			01/23/14 20:19	1.31
Ethylbenzene	ND		1.1	1.1	ug/m3			01/23/14 20:19	1.31
Freon 22	ND		2.3	2.3	ug/m3			01/23/14 20:19	1.31
Freon TF	ND		2.0	2.0	ug/m3			01/23/14 20:19	1.31
Hexachlorobutadiene	ND		2.8	2.8	ug/m3			01/23/14 20:19	1.31
Isopropyl alcohol	ND		16	16	ug/m3			01/23/14 20:19	1.31
m,p-Xylene	ND		2.8	2.8	ug/m3			01/23/14 20:19	1.31
Methyl Butyl Ketone (2-Hexanone)	ND		2.7	2.7	ug/m3			01/23/14 20:19	1.31
Methyl Ethyl Ketone	ND		1.9	1.9	ug/m3			01/23/14 20:19	1.31
methyl isobutyl ketone	ND		2.7	2.7	ug/m3			01/23/14 20:19	1.31
Methyl methacrylate	ND		2.7	2.7	ug/m3			01/23/14 20:19	1.31
Methyl tert-butyl ether	ND		0.94	0.94	ug/m3			01/23/14 20:19	1.31
Methylene Chloride	ND		2.3	2.3	ug/m3			01/23/14 20:19	1.31
Naphthalene	ND		3.4	3.4	ug/m3			01/23/14 20:19	1.31
n-Butane	ND		1.6	1.6	ug/m3			01/23/14 20:19	1.31
n-Butylbenzene	ND		1.4	1.4	ug/m3			01/23/14 20:19	1.31
n-Heptane	ND		1.1	1.1	ug/m3			01/23/14 20:19	1.31
n-Hexane	ND		0.92	0.92	ug/m3			01/23/14 20:19	1.31
n-Propylbenzene	ND		1.3	1.3	ug/m3			01/23/14 20:19	1.31
sec-Butylbenzene	ND		1.4	1.4	ug/m3			01/23/14 20:19	1.31
Styrene	ND		1.1	1.1	ug/m3			01/23/14 20:19	1.31
tert-Butyl alcohol	ND		20	20	ug/m3			01/23/14 20:19	1.31
tert-Butylbenzene	ND		1.4	1.4	ug/m3			01/23/14 20:19	1.31
Tetrachloroethene	2.7		1.8	1.8	ug/m3			01/23/14 20:19	1.31
Tetrahydrofuran	ND		19	19	ug/m3			01/23/14 20:19	1.31
Toluene	1.4		0.99	0.99	ug/m3			01/23/14 20:19	1.31
trans-1,2-Dichloroethene	ND		1.0	1.0	ug/m3			01/23/14 20:19	1.31
trans-1,3-Dichloropropene	ND		1.2	1.2	ug/m3			01/23/14 20:19	1.31

TestAmerica Buffalo

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 058507, GM-Lockport Vapor Intrusion

TestAmerica Job ID: 480-53609-1

Client Sample ID: 6VI-3IA-011814

Lab Sample ID: 480-53609-5

Date Collected: 01/18/14 18:30

Matrix: Air

Date Received: 01/21/14 10:15

Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	ND		1.4	1.4	ug/m3			01/23/14 20:19	1.31
Trichlorofluoromethane	2.4		1.5	1.5	ug/m3			01/23/14 20:19	1.31
Vinyl chloride	ND		0.67	0.67	ug/m3			01/23/14 20:19	1.31
Xylene (total)	ND		1.1	1.1	ug/m3			01/23/14 20:19	1.31
Xylene, o-	ND		1.1	1.1	ug/m3			01/23/14 20:19	1.31

Client Sample ID: 6VI-3SS-011814

Lab Sample ID: 480-53609-6

Date Collected: 01/18/14 15:38

Matrix: Air

Date Received: 01/21/14 10:15

Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.20	0.20	ppb v/v			01/23/14 21:09	1
1,1,2,2-Tetrachloroethane	ND		0.20	0.20	ppb v/v			01/23/14 21:09	1
1,1,2-Trichloroethane	ND		0.20	0.20	ppb v/v			01/23/14 21:09	1
1,1-Dichloroethane	ND		0.20	0.20	ppb v/v			01/23/14 21:09	1
1,1-Dichloroethene	ND		0.20	0.20	ppb v/v			01/23/14 21:09	1
1,2,4-Trichlorobenzene	ND		0.50	0.50	ppb v/v			01/23/14 21:09	1
1,2,4-Trimethylbenzene	0.32		0.20	0.20	ppb v/v			01/23/14 21:09	1
1,2-Dibromoethane	ND		0.20	0.20	ppb v/v			01/23/14 21:09	1
1,2-Dichlorobenzene	ND		0.20	0.20	ppb v/v			01/23/14 21:09	1
1,2-Dichloroethane	ND		0.20	0.20	ppb v/v			01/23/14 21:09	1
1,2-Dichloroethene, Total	ND		0.20	0.20	ppb v/v			01/23/14 21:09	1
1,2-Dichloropropane	ND		0.20	0.20	ppb v/v			01/23/14 21:09	1
1,2-Dichlorotetrafluoroethane	ND		0.20	0.20	ppb v/v			01/23/14 21:09	1
1,3,5-Trimethylbenzene	ND		0.20	0.20	ppb v/v			01/23/14 21:09	1
1,3-Butadiene	ND		0.20	0.20	ppb v/v			01/23/14 21:09	1
1,3-Dichlorobenzene	ND		0.20	0.20	ppb v/v			01/23/14 21:09	1
1,4-Dichlorobenzene	ND		0.20	0.20	ppb v/v			01/23/14 21:09	1
1,4-Dioxane	ND		5.0	5.0	ppb v/v			01/23/14 21:09	1
2,2,4-Trimethylpentane	ND		0.20	0.20	ppb v/v			01/23/14 21:09	1
2-Chlorotoluene	ND		0.20	0.20	ppb v/v			01/23/14 21:09	1
3-Chloropropene	ND		0.50	0.50	ppb v/v			01/23/14 21:09	1
4-Ethyltoluene	ND		0.20	0.20	ppb v/v			01/23/14 21:09	1
4-Isopropyltoluene	ND		0.20	0.20	ppb v/v			01/23/14 21:09	1
Acetone	6.1		5.0	5.0	ppb v/v			01/23/14 21:09	1
Benzene	0.48		0.20	0.20	ppb v/v			01/23/14 21:09	1
Benzyl chloride	ND		0.20	0.20	ppb v/v			01/23/14 21:09	1
Bromodichloromethane	ND		0.20	0.20	ppb v/v			01/23/14 21:09	1
Bromoethene(Vinyl Bromide)	ND		0.20	0.20	ppb v/v			01/23/14 21:09	1
Bromoform	ND		0.20	0.20	ppb v/v			01/23/14 21:09	1
Bromomethane	ND		0.20	0.20	ppb v/v			01/23/14 21:09	1
Carbon disulfide	ND		0.50	0.50	ppb v/v			01/23/14 21:09	1
Carbon tetrachloride	ND		0.20	0.20	ppb v/v			01/23/14 21:09	1
Chlorobenzene	ND		0.20	0.20	ppb v/v			01/23/14 21:09	1
Chloroethane	ND		0.50	0.50	ppb v/v			01/23/14 21:09	1
Chloroform	ND		0.20	0.20	ppb v/v			01/23/14 21:09	1
Chloromethane	0.54		0.50	0.50	ppb v/v			01/23/14 21:09	1

TestAmerica Buffalo

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 058507, GM-Lockport Vapor Intrusion

TestAmerica Job ID: 480-53609-1

Client Sample ID: 6VI-3SS-011814

Lab Sample ID: 480-53609-6

Date Collected: 01/18/14 15:38

Matrix: Air

Date Received: 01/21/14 10:15

Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	ND		0.20	0.20	ppb v/v			01/23/14 21:09	1
cis-1,3-Dichloropropene	ND		0.20	0.20	ppb v/v			01/23/14 21:09	1
Cumene	ND		0.20	0.20	ppb v/v			01/23/14 21:09	1
Cyclohexane	0.41		0.20	0.20	ppb v/v			01/23/14 21:09	1
Dibromochloromethane	ND		0.20	0.20	ppb v/v			01/23/14 21:09	1
Dichlorodifluoromethane	2.0		0.50	0.50	ppb v/v			01/23/14 21:09	1
Ethylbenzene	1.7		0.20	0.20	ppb v/v			01/23/14 21:09	1
Freon 22	ND		0.50	0.50	ppb v/v			01/23/14 21:09	1
Freon TF	ND		0.20	0.20	ppb v/v			01/23/14 21:09	1
Hexachlorobutadiene	ND		0.20	0.20	ppb v/v			01/23/14 21:09	1
Isopropyl alcohol	7.1		5.0	5.0	ppb v/v			01/23/14 21:09	1
m,p-Xylene	6.6		0.50	0.50	ppb v/v			01/23/14 21:09	1
Methyl Butyl Ketone (2-Hexanone)	0.62		0.50	0.50	ppb v/v			01/23/14 21:09	1
Methyl Ethyl Ketone	1.0		0.50	0.50	ppb v/v			01/23/14 21:09	1
methyl isobutyl ketone	ND		0.50	0.50	ppb v/v			01/23/14 21:09	1
Methyl methacrylate	ND		0.50	0.50	ppb v/v			01/23/14 21:09	1
Methyl tert-butyl ether	ND		0.20	0.20	ppb v/v			01/23/14 21:09	1
Methylene Chloride	ND		0.50	0.50	ppb v/v			01/23/14 21:09	1
Naphthalene	ND		0.50	0.50	ppb v/v			01/23/14 21:09	1
n-Butane	3.0		0.50	0.50	ppb v/v			01/23/14 21:09	1
n-Butylbenzene	ND		0.20	0.20	ppb v/v			01/23/14 21:09	1
n-Heptane	0.96		0.20	0.20	ppb v/v			01/23/14 21:09	1
n-Hexane	1.1		0.20	0.20	ppb v/v			01/23/14 21:09	1
n-Propylbenzene	ND		0.20	0.20	ppb v/v			01/23/14 21:09	1
sec-Butylbenzene	ND		0.20	0.20	ppb v/v			01/23/14 21:09	1
Styrene	ND		0.20	0.20	ppb v/v			01/23/14 21:09	1
tert-Butyl alcohol	ND		5.0	5.0	ppb v/v			01/23/14 21:09	1
tert-Butylbenzene	ND		0.20	0.20	ppb v/v			01/23/14 21:09	1
Tetrachloroethene	0.28		0.20	0.20	ppb v/v			01/23/14 21:09	1
Tetrahydrofuran	ND		5.0	5.0	ppb v/v			01/23/14 21:09	1
Toluene	1.5		0.20	0.20	ppb v/v			01/23/14 21:09	1
trans-1,2-Dichloroethene	ND		0.20	0.20	ppb v/v			01/23/14 21:09	1
trans-1,3-Dichloropropene	ND		0.20	0.20	ppb v/v			01/23/14 21:09	1
Trichloroethene	ND		0.20	0.20	ppb v/v			01/23/14 21:09	1
Trichlorofluoromethane	0.25		0.20	0.20	ppb v/v			01/23/14 21:09	1
Vinyl chloride	ND		0.20	0.20	ppb v/v			01/23/14 21:09	1
Xylene (total)	8.2		0.20	0.20	ppb v/v			01/23/14 21:09	1
Xylene, o-	1.6		0.20	0.20	ppb v/v			01/23/14 21:09	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.1	1.1	ug/m3			01/23/14 21:09	1
1,1,2,2-Tetrachloroethane	ND		1.4	1.4	ug/m3			01/23/14 21:09	1
1,1,2-Trichloroethane	ND		1.1	1.1	ug/m3			01/23/14 21:09	1
1,1-Dichloroethane	ND		0.81	0.81	ug/m3			01/23/14 21:09	1
1,1-Dichloroethene	ND		0.79	0.79	ug/m3			01/23/14 21:09	1
1,2,4-Trichlorobenzene	ND		3.7	3.7	ug/m3			01/23/14 21:09	1
1,2,4-Trimethylbenzene	1.6		0.98	0.98	ug/m3			01/23/14 21:09	1
1,2-Dibromoethane	ND		1.5	1.5	ug/m3			01/23/14 21:09	1
1,2-Dichlorobenzene	ND		1.2	1.2	ug/m3			01/23/14 21:09	1

TestAmerica Buffalo

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 058507, GM-Lockport Vapor Intrusion

TestAmerica Job ID: 480-53609-1

Client Sample ID: 6VI-3SS-011814

Lab Sample ID: 480-53609-6

Date Collected: 01/18/14 15:38

Matrix: Air

Date Received: 01/21/14 10:15

Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		0.81	0.81	ug/m3			01/23/14 21:09	1
1,2-Dichloroethene, Total	ND		0.79	0.79	ug/m3			01/23/14 21:09	1
1,2-Dichloropropane	ND		0.92	0.92	ug/m3			01/23/14 21:09	1
1,2-Dichlorotetrafluoroethane	ND		1.4	1.4	ug/m3			01/23/14 21:09	1
1,3,5-Trimethylbenzene	ND		0.98	0.98	ug/m3			01/23/14 21:09	1
1,3-Butadiene	ND		0.44	0.44	ug/m3			01/23/14 21:09	1
1,3-Dichlorobenzene	ND		1.2	1.2	ug/m3			01/23/14 21:09	1
1,4-Dichlorobenzene	ND		1.2	1.2	ug/m3			01/23/14 21:09	1
1,4-Dioxane	ND		18	18	ug/m3			01/23/14 21:09	1
2,2,4-Trimethylpentane	ND		0.93	0.93	ug/m3			01/23/14 21:09	1
2-Chlorotoluene	ND		1.0	1.0	ug/m3			01/23/14 21:09	1
3-Chloropropene	ND		1.6	1.6	ug/m3			01/23/14 21:09	1
4-Ethyltoluene	ND		0.98	0.98	ug/m3			01/23/14 21:09	1
4-Isopropyltoluene	ND		1.1	1.1	ug/m3			01/23/14 21:09	1
Acetone	15		12	12	ug/m3			01/23/14 21:09	1
Benzene	1.5		0.64	0.64	ug/m3			01/23/14 21:09	1
Benzyl chloride	ND		1.0	1.0	ug/m3			01/23/14 21:09	1
Bromodichloromethane	ND		1.3	1.3	ug/m3			01/23/14 21:09	1
Bromoethene(Vinyl Bromide)	ND		0.87	0.87	ug/m3			01/23/14 21:09	1
Bromoform	ND		2.1	2.1	ug/m3			01/23/14 21:09	1
Bromomethane	ND		0.78	0.78	ug/m3			01/23/14 21:09	1
Carbon disulfide	ND		1.6	1.6	ug/m3			01/23/14 21:09	1
Carbon tetrachloride	ND		1.3	1.3	ug/m3			01/23/14 21:09	1
Chlorobenzene	ND		0.92	0.92	ug/m3			01/23/14 21:09	1
Chloroethane	ND		1.3	1.3	ug/m3			01/23/14 21:09	1
Chloroform	ND		0.98	0.98	ug/m3			01/23/14 21:09	1
Chloromethane	1.1		1.0	1.0	ug/m3			01/23/14 21:09	1
cis-1,2-Dichloroethene	ND		0.79	0.79	ug/m3			01/23/14 21:09	1
cis-1,3-Dichloropropene	ND		0.91	0.91	ug/m3			01/23/14 21:09	1
Cumene	ND		0.98	0.98	ug/m3			01/23/14 21:09	1
Cyclohexane	1.4		0.69	0.69	ug/m3			01/23/14 21:09	1
Dibromochloromethane	ND		1.7	1.7	ug/m3			01/23/14 21:09	1
Dichlorodifluoromethane	9.8		2.5	2.5	ug/m3			01/23/14 21:09	1
Ethylbenzene	7.2		0.87	0.87	ug/m3			01/23/14 21:09	1
Freon 22	ND		1.8	1.8	ug/m3			01/23/14 21:09	1
Freon TF	ND		1.5	1.5	ug/m3			01/23/14 21:09	1
Hexachlorobutadiene	ND		2.1	2.1	ug/m3			01/23/14 21:09	1
Isopropyl alcohol	17		12	12	ug/m3			01/23/14 21:09	1
m,p-Xylene	29		2.2	2.2	ug/m3			01/23/14 21:09	1
Methyl Butyl Ketone (2-Hexanone)	2.6		2.0	2.0	ug/m3			01/23/14 21:09	1
Methyl Ethyl Ketone	3.0		1.5	1.5	ug/m3			01/23/14 21:09	1
methyl isobutyl ketone	ND		2.0	2.0	ug/m3			01/23/14 21:09	1
Methyl methacrylate	ND		2.0	2.0	ug/m3			01/23/14 21:09	1
Methyl tert-butyl ether	ND		0.72	0.72	ug/m3			01/23/14 21:09	1
Methylene Chloride	ND		1.7	1.7	ug/m3			01/23/14 21:09	1
Naphthalene	ND		2.6	2.6	ug/m3			01/23/14 21:09	1
n-Butane	7.2		1.2	1.2	ug/m3			01/23/14 21:09	1
n-Butylbenzene	ND		1.1	1.1	ug/m3			01/23/14 21:09	1

TestAmerica Buffalo

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 058507, GM-Lockport Vapor Intrusion

TestAmerica Job ID: 480-53609-1

Client Sample ID: 6VI-3SS-011814

Lab Sample ID: 480-53609-6

Date Collected: 01/18/14 15:38

Matrix: Air

Date Received: 01/21/14 10:15

Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
n-Heptane	3.9		0.82	0.82	ug/m3			01/23/14 21:09	1
n-Hexane	3.7		0.70	0.70	ug/m3			01/23/14 21:09	1
n-Propylbenzene	ND		0.98	0.98	ug/m3			01/23/14 21:09	1
sec-Butylbenzene	ND		1.1	1.1	ug/m3			01/23/14 21:09	1
Styrene	ND		0.85	0.85	ug/m3			01/23/14 21:09	1
tert-Butyl alcohol	ND		15	15	ug/m3			01/23/14 21:09	1
tert-Butylbenzene	ND		1.1	1.1	ug/m3			01/23/14 21:09	1
Tetrachloroethene	1.9		1.4	1.4	ug/m3			01/23/14 21:09	1
Tetrahydrofuran	ND		15	15	ug/m3			01/23/14 21:09	1
Toluene	5.7		0.75	0.75	ug/m3			01/23/14 21:09	1
trans-1,2-Dichloroethene	ND		0.79	0.79	ug/m3			01/23/14 21:09	1
trans-1,3-Dichloropropene	ND		0.91	0.91	ug/m3			01/23/14 21:09	1
Trichloroethene	ND		1.1	1.1	ug/m3			01/23/14 21:09	1
Trichlorofluoromethane	1.4		1.1	1.1	ug/m3			01/23/14 21:09	1
Vinyl chloride	ND		0.51	0.51	ug/m3			01/23/14 21:09	1
Xylene (total)	36		0.87	0.87	ug/m3			01/23/14 21:09	1
Xylene, o-	7.0		0.87	0.87	ug/m3			01/23/14 21:09	1

Client Sample ID: 6VI-4IA-011814

Lab Sample ID: 480-53609-7

Date Collected: 01/18/14 18:10

Matrix: Air

Date Received: 01/21/14 10:15

Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.59		0.40	0.40	ppb v/v			01/24/14 18:22	2
1,1,1,2-Tetrachloroethane	ND		0.40	0.40	ppb v/v			01/24/14 18:22	2
1,1,1,2-Trichloroethane	ND		0.40	0.40	ppb v/v			01/24/14 18:22	2
1,1-Dichloroethane	ND		0.40	0.40	ppb v/v			01/24/14 18:22	2
1,1-Dichloroethene	ND		0.40	0.40	ppb v/v			01/24/14 18:22	2
1,2,4-Trichlorobenzene	ND		1.0	1.0	ppb v/v			01/24/14 18:22	2
1,2,4-Trimethylbenzene	ND		0.40	0.40	ppb v/v			01/24/14 18:22	2
1,2-Dibromoethane	ND		0.40	0.40	ppb v/v			01/24/14 18:22	2
1,2-Dichlorobenzene	ND		0.40	0.40	ppb v/v			01/24/14 18:22	2
1,2-Dichloroethane	ND		0.40	0.40	ppb v/v			01/24/14 18:22	2
1,2-Dichloroethene, Total	ND		0.40	0.40	ppb v/v			01/24/14 18:22	2
1,2-Dichloropropane	ND		0.40	0.40	ppb v/v			01/24/14 18:22	2
1,2-Dichlorotetrafluoroethane	ND		0.40	0.40	ppb v/v			01/24/14 18:22	2
1,3,5-Trimethylbenzene	ND		0.40	0.40	ppb v/v			01/24/14 18:22	2
1,3-Butadiene	ND		0.40	0.40	ppb v/v			01/24/14 18:22	2
1,3-Dichlorobenzene	ND		0.40	0.40	ppb v/v			01/24/14 18:22	2
1,4-Dichlorobenzene	ND		0.40	0.40	ppb v/v			01/24/14 18:22	2
1,4-Dioxane	ND		10	10	ppb v/v			01/24/14 18:22	2
2,2,4-Trimethylpentane	ND		0.40	0.40	ppb v/v			01/24/14 18:22	2
2-Chlorotoluene	ND		0.40	0.40	ppb v/v			01/24/14 18:22	2
3-Chloropropene	ND		1.0	1.0	ppb v/v			01/24/14 18:22	2
4-Ethyltoluene	ND		0.40	0.40	ppb v/v			01/24/14 18:22	2
4-Isopropyltoluene	ND		0.40	0.40	ppb v/v			01/24/14 18:22	2
Acetone	ND		10	10	ppb v/v			01/24/14 18:22	2

TestAmerica Buffalo

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 058507, GM-Lockport Vapor Intrusion

TestAmerica Job ID: 480-53609-1

Client Sample ID: 6VI-4IA-011814

Lab Sample ID: 480-53609-7

Date Collected: 01/18/14 18:10

Matrix: Air

Date Received: 01/21/14 10:15

Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.40	0.40	ppb v/v			01/24/14 18:22	2
Benzyl chloride	ND		0.40	0.40	ppb v/v			01/24/14 18:22	2
Bromodichloromethane	ND		0.40	0.40	ppb v/v			01/24/14 18:22	2
Bromoethene(Vinyl Bromide)	ND		0.40	0.40	ppb v/v			01/24/14 18:22	2
Bromoform	ND		0.40	0.40	ppb v/v			01/24/14 18:22	2
Bromomethane	ND		0.40	0.40	ppb v/v			01/24/14 18:22	2
Carbon disulfide	ND		1.0	1.0	ppb v/v			01/24/14 18:22	2
Carbon tetrachloride	ND		0.40	0.40	ppb v/v			01/24/14 18:22	2
Chlorobenzene	ND		0.40	0.40	ppb v/v			01/24/14 18:22	2
Chloroethane	ND		1.0	1.0	ppb v/v			01/24/14 18:22	2
Chloroform	ND		0.40	0.40	ppb v/v			01/24/14 18:22	2
Chloromethane	ND		1.0	1.0	ppb v/v			01/24/14 18:22	2
cis-1,2-Dichloroethene	ND		0.40	0.40	ppb v/v			01/24/14 18:22	2
cis-1,3-Dichloropropene	ND		0.40	0.40	ppb v/v			01/24/14 18:22	2
Cumene	ND		0.40	0.40	ppb v/v			01/24/14 18:22	2
Cyclohexane	ND		0.40	0.40	ppb v/v			01/24/14 18:22	2
Dibromochloromethane	ND		0.40	0.40	ppb v/v			01/24/14 18:22	2
Dichlorodifluoromethane	41		1.0	1.0	ppb v/v			01/24/14 18:22	2
Ethylbenzene	ND		0.40	0.40	ppb v/v			01/24/14 18:22	2
Freon 22	ND		1.0	1.0	ppb v/v			01/24/14 18:22	2
Freon TF	ND		0.40	0.40	ppb v/v			01/24/14 18:22	2
Hexachlorobutadiene	ND		0.40	0.40	ppb v/v			01/24/14 18:22	2
Isopropyl alcohol	ND		10	10	ppb v/v			01/24/14 18:22	2
m,p-Xylene	ND		1.0	1.0	ppb v/v			01/24/14 18:22	2
Methyl Butyl Ketone (2-Hexanone)	ND		1.0	1.0	ppb v/v			01/24/14 18:22	2
Methyl Ethyl Ketone	ND		1.0	1.0	ppb v/v			01/24/14 18:22	2
methyl isobutyl ketone	ND		1.0	1.0	ppb v/v			01/24/14 18:22	2
Methyl methacrylate	ND		1.0	1.0	ppb v/v			01/24/14 18:22	2
Methyl tert-butyl ether	ND		0.40	0.40	ppb v/v			01/24/14 18:22	2
Methylene Chloride	ND		1.0	1.0	ppb v/v			01/24/14 18:22	2
Naphthalene	ND		1.0	1.0	ppb v/v			01/24/14 18:22	2
n-Butane	4.3		1.0	1.0	ppb v/v			01/24/14 18:22	2
n-Butylbenzene	ND		0.40	0.40	ppb v/v			01/24/14 18:22	2
n-Heptane	0.55		0.40	0.40	ppb v/v			01/24/14 18:22	2
n-Hexane	0.87		0.40	0.40	ppb v/v			01/24/14 18:22	2
n-Propylbenzene	ND		0.40	0.40	ppb v/v			01/24/14 18:22	2
sec-Butylbenzene	ND		0.40	0.40	ppb v/v			01/24/14 18:22	2
Styrene	ND		0.40	0.40	ppb v/v			01/24/14 18:22	2
tert-Butyl alcohol	ND		10	10	ppb v/v			01/24/14 18:22	2
tert-Butylbenzene	ND		0.40	0.40	ppb v/v			01/24/14 18:22	2
Tetrachloroethene	ND		0.40	0.40	ppb v/v			01/24/14 18:22	2
Tetrahydrofuran	ND		10	10	ppb v/v			01/24/14 18:22	2
Toluene	0.72		0.40	0.40	ppb v/v			01/24/14 18:22	2
trans-1,2-Dichloroethene	ND		0.40	0.40	ppb v/v			01/24/14 18:22	2
trans-1,3-Dichloropropene	ND		0.40	0.40	ppb v/v			01/24/14 18:22	2
Trichloroethene	ND		0.40	0.40	ppb v/v			01/24/14 18:22	2
Trichlorofluoromethane	ND		0.40	0.40	ppb v/v			01/24/14 18:22	2
Vinyl chloride	ND		0.40	0.40	ppb v/v			01/24/14 18:22	2

TestAmerica Buffalo

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 058507, GM-Lockport Vapor Intrusion

TestAmerica Job ID: 480-53609-1

Client Sample ID: 6VI-4IA-011814

Lab Sample ID: 480-53609-7

Date Collected: 01/18/14 18:10

Matrix: Air

Date Received: 01/21/14 10:15

Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Xylene (total)	0.58		0.40	0.40	ppb v/v			01/24/14 18:22	2
Xylene, o-	ND		0.40	0.40	ppb v/v			01/24/14 18:22	2
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	3.2		2.2	2.2	ug/m3			01/24/14 18:22	2
1,1,2,2-Tetrachloroethane	ND		2.7	2.7	ug/m3			01/24/14 18:22	2
1,1,2-Trichloroethane	ND		2.2	2.2	ug/m3			01/24/14 18:22	2
1,1-Dichloroethane	ND		1.6	1.6	ug/m3			01/24/14 18:22	2
1,1-Dichloroethene	ND		1.6	1.6	ug/m3			01/24/14 18:22	2
1,2,4-Trichlorobenzene	ND		7.4	7.4	ug/m3			01/24/14 18:22	2
1,2,4-Trimethylbenzene	ND		2.0	2.0	ug/m3			01/24/14 18:22	2
1,2-Dibromoethane	ND		3.1	3.1	ug/m3			01/24/14 18:22	2
1,2-Dichlorobenzene	ND		2.4	2.4	ug/m3			01/24/14 18:22	2
1,2-Dichloroethane	ND		1.6	1.6	ug/m3			01/24/14 18:22	2
1,2-Dichloroethene, Total	ND		1.6	1.6	ug/m3			01/24/14 18:22	2
1,2-Dichloropropane	ND		1.8	1.8	ug/m3			01/24/14 18:22	2
1,2-Dichlorotetrafluoroethane	ND		2.8	2.8	ug/m3			01/24/14 18:22	2
1,3,5-Trimethylbenzene	ND		2.0	2.0	ug/m3			01/24/14 18:22	2
1,3-Butadiene	ND		0.88	0.88	ug/m3			01/24/14 18:22	2
1,3-Dichlorobenzene	ND		2.4	2.4	ug/m3			01/24/14 18:22	2
1,4-Dichlorobenzene	ND		2.4	2.4	ug/m3			01/24/14 18:22	2
1,4-Dioxane	ND		36	36	ug/m3			01/24/14 18:22	2
2,2,4-Trimethylpentane	ND		1.9	1.9	ug/m3			01/24/14 18:22	2
2-Chlorotoluene	ND		2.1	2.1	ug/m3			01/24/14 18:22	2
3-Chloropropene	ND		3.1	3.1	ug/m3			01/24/14 18:22	2
4-Ethyltoluene	ND		2.0	2.0	ug/m3			01/24/14 18:22	2
4-Isopropyltoluene	ND		2.2	2.2	ug/m3			01/24/14 18:22	2
Acetone	ND		24	24	ug/m3			01/24/14 18:22	2
Benzene	ND		1.3	1.3	ug/m3			01/24/14 18:22	2
Benzyl chloride	ND		2.1	2.1	ug/m3			01/24/14 18:22	2
Bromodichloromethane	ND		2.7	2.7	ug/m3			01/24/14 18:22	2
Bromoethene(Vinyl Bromide)	ND		1.7	1.7	ug/m3			01/24/14 18:22	2
Bromoform	ND		4.1	4.1	ug/m3			01/24/14 18:22	2
Bromomethane	ND		1.6	1.6	ug/m3			01/24/14 18:22	2
Carbon disulfide	ND		3.1	3.1	ug/m3			01/24/14 18:22	2
Carbon tetrachloride	ND		2.5	2.5	ug/m3			01/24/14 18:22	2
Chlorobenzene	ND		1.8	1.8	ug/m3			01/24/14 18:22	2
Chloroethane	ND		2.6	2.6	ug/m3			01/24/14 18:22	2
Chloroform	ND		2.0	2.0	ug/m3			01/24/14 18:22	2
Chloromethane	ND		2.1	2.1	ug/m3			01/24/14 18:22	2
cis-1,2-Dichloroethene	ND		1.6	1.6	ug/m3			01/24/14 18:22	2
cis-1,3-Dichloropropene	ND		1.8	1.8	ug/m3			01/24/14 18:22	2
Cumene	ND		2.0	2.0	ug/m3			01/24/14 18:22	2
Cyclohexane	ND		1.4	1.4	ug/m3			01/24/14 18:22	2
Dibromochloromethane	ND		3.4	3.4	ug/m3			01/24/14 18:22	2
Dichlorodifluoromethane	210		4.9	4.9	ug/m3			01/24/14 18:22	2
Ethylbenzene	ND		1.7	1.7	ug/m3			01/24/14 18:22	2
Freon 22	ND		3.5	3.5	ug/m3			01/24/14 18:22	2
Freon TF	ND		3.1	3.1	ug/m3			01/24/14 18:22	2

TestAmerica Buffalo

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 058507, GM-Lockport Vapor Intrusion

TestAmerica Job ID: 480-53609-1

Client Sample ID: 6VI-4IA-011814

Lab Sample ID: 480-53609-7

Date Collected: 01/18/14 18:10

Matrix: Air

Date Received: 01/21/14 10:15

Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorobutadiene	ND		4.3	4.3	ug/m3			01/24/14 18:22	2
Isopropyl alcohol	ND		25	25	ug/m3			01/24/14 18:22	2
m,p-Xylene	ND		4.3	4.3	ug/m3			01/24/14 18:22	2
Methyl Butyl Ketone (2-Hexanone)	ND		4.1	4.1	ug/m3			01/24/14 18:22	2
Methyl Ethyl Ketone	ND		2.9	2.9	ug/m3			01/24/14 18:22	2
methyl isobutyl ketone	ND		4.1	4.1	ug/m3			01/24/14 18:22	2
Methyl methacrylate	ND		4.1	4.1	ug/m3			01/24/14 18:22	2
Methyl tert-butyl ether	ND		1.4	1.4	ug/m3			01/24/14 18:22	2
Methylene Chloride	ND		3.5	3.5	ug/m3			01/24/14 18:22	2
Naphthalene	ND		5.2	5.2	ug/m3			01/24/14 18:22	2
n-Butane	10		2.4	2.4	ug/m3			01/24/14 18:22	2
n-Butylbenzene	ND		2.2	2.2	ug/m3			01/24/14 18:22	2
n-Heptane	2.2		1.6	1.6	ug/m3			01/24/14 18:22	2
n-Hexane	3.1		1.4	1.4	ug/m3			01/24/14 18:22	2
n-Propylbenzene	ND		2.0	2.0	ug/m3			01/24/14 18:22	2
sec-Butylbenzene	ND		2.2	2.2	ug/m3			01/24/14 18:22	2
Styrene	ND		1.7	1.7	ug/m3			01/24/14 18:22	2
tert-Butyl alcohol	ND		30	30	ug/m3			01/24/14 18:22	2
tert-Butylbenzene	ND		2.2	2.2	ug/m3			01/24/14 18:22	2
Tetrachloroethene	ND		2.7	2.7	ug/m3			01/24/14 18:22	2
Tetrahydrofuran	ND		29	29	ug/m3			01/24/14 18:22	2
Toluene	2.7		1.5	1.5	ug/m3			01/24/14 18:22	2
trans-1,2-Dichloroethene	ND		1.6	1.6	ug/m3			01/24/14 18:22	2
trans-1,3-Dichloropropene	ND		1.8	1.8	ug/m3			01/24/14 18:22	2
Trichloroethene	ND		2.1	2.1	ug/m3			01/24/14 18:22	2
Trichlorofluoromethane	ND		2.2	2.2	ug/m3			01/24/14 18:22	2
Vinyl chloride	ND		1.0	1.0	ug/m3			01/24/14 18:22	2
Xylene (total)	2.5		1.7	1.7	ug/m3			01/24/14 18:22	2
Xylene, o-	ND		1.7	1.7	ug/m3			01/24/14 18:22	2

Client Sample ID: 6VI-5IA-011814

Lab Sample ID: 480-53609-8

Date Collected: 01/18/14 18:18

Matrix: Air

Date Received: 01/21/14 10:15

Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.25	0.25	ppb v/v			01/23/14 22:49	1.24
1,1,2,2-Tetrachloroethane	ND		0.25	0.25	ppb v/v			01/23/14 22:49	1.24
1,1,2-Trichloroethane	ND		0.25	0.25	ppb v/v			01/23/14 22:49	1.24
1,1-Dichloroethane	ND		0.25	0.25	ppb v/v			01/23/14 22:49	1.24
1,1-Dichloroethene	ND		0.25	0.25	ppb v/v			01/23/14 22:49	1.24
1,2,4-Trichlorobenzene	ND		0.62	0.62	ppb v/v			01/23/14 22:49	1.24
1,2,4-Trimethylbenzene	ND		0.25	0.25	ppb v/v			01/23/14 22:49	1.24
1,2-Dibromoethane	ND		0.25	0.25	ppb v/v			01/23/14 22:49	1.24
1,2-Dichlorobenzene	ND		0.25	0.25	ppb v/v			01/23/14 22:49	1.24
1,2-Dichloroethane	ND		0.25	0.25	ppb v/v			01/23/14 22:49	1.24
1,2-Dichloroethene, Total	ND		0.25	0.25	ppb v/v			01/23/14 22:49	1.24
1,2-Dichloropropane	ND		0.25	0.25	ppb v/v			01/23/14 22:49	1.24

TestAmerica Buffalo

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 058507, GM-Lockport Vapor Intrusion

TestAmerica Job ID: 480-53609-1

Client Sample ID: 6VI-5IA-011814

Lab Sample ID: 480-53609-8

Date Collected: 01/18/14 18:18

Matrix: Air

Date Received: 01/21/14 10:15

Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorotetrafluoroethane	ND		0.25	0.25	ppb v/v			01/23/14 22:49	1.24
1,3,5-Trimethylbenzene	ND		0.25	0.25	ppb v/v			01/23/14 22:49	1.24
1,3-Butadiene	ND		0.25	0.25	ppb v/v			01/23/14 22:49	1.24
1,3-Dichlorobenzene	ND		0.25	0.25	ppb v/v			01/23/14 22:49	1.24
1,4-Dichlorobenzene	ND		0.25	0.25	ppb v/v			01/23/14 22:49	1.24
1,4-Dioxane	ND		6.2	6.2	ppb v/v			01/23/14 22:49	1.24
2,2,4-Trimethylpentane	ND		0.25	0.25	ppb v/v			01/23/14 22:49	1.24
2-Chlorotoluene	ND		0.25	0.25	ppb v/v			01/23/14 22:49	1.24
3-Chloropropene	ND		0.62	0.62	ppb v/v			01/23/14 22:49	1.24
4-Ethyltoluene	ND		0.25	0.25	ppb v/v			01/23/14 22:49	1.24
4-Isopropyltoluene	ND		0.25	0.25	ppb v/v			01/23/14 22:49	1.24
Acetone	ND		6.2	6.2	ppb v/v			01/23/14 22:49	1.24
Benzene	ND		0.25	0.25	ppb v/v			01/23/14 22:49	1.24
Benzyl chloride	ND		0.25	0.25	ppb v/v			01/23/14 22:49	1.24
Bromodichloromethane	ND		0.25	0.25	ppb v/v			01/23/14 22:49	1.24
Bromoethene(Vinyl Bromide)	ND		0.25	0.25	ppb v/v			01/23/14 22:49	1.24
Bromoform	ND		0.25	0.25	ppb v/v			01/23/14 22:49	1.24
Bromomethane	ND		0.25	0.25	ppb v/v			01/23/14 22:49	1.24
Carbon disulfide	ND		0.62	0.62	ppb v/v			01/23/14 22:49	1.24
Carbon tetrachloride	ND		0.25	0.25	ppb v/v			01/23/14 22:49	1.24
Chlorobenzene	ND		0.25	0.25	ppb v/v			01/23/14 22:49	1.24
Chloroethane	ND		0.62	0.62	ppb v/v			01/23/14 22:49	1.24
Chloroform	ND		0.25	0.25	ppb v/v			01/23/14 22:49	1.24
Chloromethane	0.71		0.62	0.62	ppb v/v			01/23/14 22:49	1.24
cis-1,2-Dichloroethene	ND		0.25	0.25	ppb v/v			01/23/14 22:49	1.24
cis-1,3-Dichloropropene	ND		0.25	0.25	ppb v/v			01/23/14 22:49	1.24
Cumene	ND		0.25	0.25	ppb v/v			01/23/14 22:49	1.24
Cyclohexane	ND		0.25	0.25	ppb v/v			01/23/14 22:49	1.24
Dibromochloromethane	ND		0.25	0.25	ppb v/v			01/23/14 22:49	1.24
Dichlorodifluoromethane	2.0		0.62	0.62	ppb v/v			01/23/14 22:49	1.24
Ethylbenzene	ND		0.25	0.25	ppb v/v			01/23/14 22:49	1.24
Freon 22	ND		0.62	0.62	ppb v/v			01/23/14 22:49	1.24
Freon TF	ND		0.25	0.25	ppb v/v			01/23/14 22:49	1.24
Hexachlorobutadiene	ND		0.25	0.25	ppb v/v			01/23/14 22:49	1.24
Isopropyl alcohol	ND		6.2	6.2	ppb v/v			01/23/14 22:49	1.24
m,p-Xylene	ND		0.62	0.62	ppb v/v			01/23/14 22:49	1.24
Methyl Butyl Ketone (2-Hexanone)	ND		0.62	0.62	ppb v/v			01/23/14 22:49	1.24
Methyl Ethyl Ketone	ND		0.62	0.62	ppb v/v			01/23/14 22:49	1.24
methyl isobutyl ketone	ND		0.62	0.62	ppb v/v			01/23/14 22:49	1.24
Methyl methacrylate	ND		0.62	0.62	ppb v/v			01/23/14 22:49	1.24
Methyl tert-butyl ether	ND		0.25	0.25	ppb v/v			01/23/14 22:49	1.24
Methylene Chloride	ND		0.62	0.62	ppb v/v			01/23/14 22:49	1.24
Naphthalene	ND		0.62	0.62	ppb v/v			01/23/14 22:49	1.24
n-Butane	1.0		0.62	0.62	ppb v/v			01/23/14 22:49	1.24
n-Butylbenzene	ND		0.25	0.25	ppb v/v			01/23/14 22:49	1.24
n-Heptane	ND		0.25	0.25	ppb v/v			01/23/14 22:49	1.24
n-Hexane	ND		0.25	0.25	ppb v/v			01/23/14 22:49	1.24
n-Propylbenzene	ND		0.25	0.25	ppb v/v			01/23/14 22:49	1.24

TestAmerica Buffalo

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 058507, GM-Lockport Vapor Intrusion

TestAmerica Job ID: 480-53609-1

Client Sample ID: 6VI-5IA-011814

Lab Sample ID: 480-53609-8

Date Collected: 01/18/14 18:18

Matrix: Air

Date Received: 01/21/14 10:15

Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		0.25	0.25	ppb v/v			01/23/14 22:49	1.24
Styrene	ND		0.25	0.25	ppb v/v			01/23/14 22:49	1.24
tert-Butyl alcohol	ND		6.2	6.2	ppb v/v			01/23/14 22:49	1.24
tert-Butylbenzene	ND		0.25	0.25	ppb v/v			01/23/14 22:49	1.24
Tetrachloroethene	ND		0.25	0.25	ppb v/v			01/23/14 22:49	1.24
Tetrahydrofuran	ND		6.2	6.2	ppb v/v			01/23/14 22:49	1.24
Toluene	ND		0.25	0.25	ppb v/v			01/23/14 22:49	1.24
trans-1,2-Dichloroethene	ND		0.25	0.25	ppb v/v			01/23/14 22:49	1.24
trans-1,3-Dichloropropene	ND		0.25	0.25	ppb v/v			01/23/14 22:49	1.24
Trichloroethene	ND		0.25	0.25	ppb v/v			01/23/14 22:49	1.24
Trichlorofluoromethane	0.85		0.25	0.25	ppb v/v			01/23/14 22:49	1.24
Vinyl chloride	ND		0.25	0.25	ppb v/v			01/23/14 22:49	1.24
Xylene (total)	ND		0.25	0.25	ppb v/v			01/23/14 22:49	1.24
Xylene, o-	ND		0.25	0.25	ppb v/v			01/23/14 22:49	1.24
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.4	1.4	ug/m3			01/23/14 22:49	1.24
1,1,2,2-Tetrachloroethane	ND		1.7	1.7	ug/m3			01/23/14 22:49	1.24
1,1,2-Trichloroethane	ND		1.4	1.4	ug/m3			01/23/14 22:49	1.24
1,1-Dichloroethane	ND		1.0	1.0	ug/m3			01/23/14 22:49	1.24
1,1-Dichloroethene	ND		0.98	0.98	ug/m3			01/23/14 22:49	1.24
1,2,4-Trichlorobenzene	ND		4.6	4.6	ug/m3			01/23/14 22:49	1.24
1,2,4-Trimethylbenzene	ND		1.2	1.2	ug/m3			01/23/14 22:49	1.24
1,2-Dibromoethane	ND		1.9	1.9	ug/m3			01/23/14 22:49	1.24
1,2-Dichlorobenzene	ND		1.5	1.5	ug/m3			01/23/14 22:49	1.24
1,2-Dichloroethane	ND		1.0	1.0	ug/m3			01/23/14 22:49	1.24
1,2-Dichloroethene, Total	ND		0.98	0.98	ug/m3			01/23/14 22:49	1.24
1,2-Dichloropropane	ND		1.1	1.1	ug/m3			01/23/14 22:49	1.24
1,2-Dichlorotetrafluoroethane	ND		1.7	1.7	ug/m3			01/23/14 22:49	1.24
1,3,5-Trimethylbenzene	ND		1.2	1.2	ug/m3			01/23/14 22:49	1.24
1,3-Butadiene	ND		0.55	0.55	ug/m3			01/23/14 22:49	1.24
1,3-Dichlorobenzene	ND		1.5	1.5	ug/m3			01/23/14 22:49	1.24
1,4-Dichlorobenzene	ND		1.5	1.5	ug/m3			01/23/14 22:49	1.24
1,4-Dioxane	ND		22	22	ug/m3			01/23/14 22:49	1.24
2,2,4-Trimethylpentane	ND		1.2	1.2	ug/m3			01/23/14 22:49	1.24
2-Chlorotoluene	ND		1.3	1.3	ug/m3			01/23/14 22:49	1.24
3-Chloropropene	ND		1.9	1.9	ug/m3			01/23/14 22:49	1.24
4-Ethyltoluene	ND		1.2	1.2	ug/m3			01/23/14 22:49	1.24
4-Isopropyltoluene	ND		1.4	1.4	ug/m3			01/23/14 22:49	1.24
Acetone	ND		15	15	ug/m3			01/23/14 22:49	1.24
Benzene	ND		0.79	0.79	ug/m3			01/23/14 22:49	1.24
Benzyl chloride	ND		1.3	1.3	ug/m3			01/23/14 22:49	1.24
Bromodichloromethane	ND		1.7	1.7	ug/m3			01/23/14 22:49	1.24
Bromoethene(Vinyl Bromide)	ND		1.1	1.1	ug/m3			01/23/14 22:49	1.24
Bromoform	ND		2.6	2.6	ug/m3			01/23/14 22:49	1.24
Bromomethane	ND		0.96	0.96	ug/m3			01/23/14 22:49	1.24
Carbon disulfide	ND		1.9	1.9	ug/m3			01/23/14 22:49	1.24
Carbon tetrachloride	ND		1.6	1.6	ug/m3			01/23/14 22:49	1.24
Chlorobenzene	ND		1.1	1.1	ug/m3			01/23/14 22:49	1.24

TestAmerica Buffalo

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 058507, GM-Lockport Vapor Intrusion

TestAmerica Job ID: 480-53609-1

Client Sample ID: 6VI-5IA-011814

Lab Sample ID: 480-53609-8

Date Collected: 01/18/14 18:18

Matrix: Air

Date Received: 01/21/14 10:15

Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroethane	ND		1.6	1.6	ug/m3			01/23/14 22:49	1.24
Chloroform	ND		1.2	1.2	ug/m3			01/23/14 22:49	1.24
Chloromethane	1.5		1.3	1.3	ug/m3			01/23/14 22:49	1.24
cis-1,2-Dichloroethene	ND		0.98	0.98	ug/m3			01/23/14 22:49	1.24
cis-1,3-Dichloropropene	ND		1.1	1.1	ug/m3			01/23/14 22:49	1.24
Cumene	ND		1.2	1.2	ug/m3			01/23/14 22:49	1.24
Cyclohexane	ND		0.85	0.85	ug/m3			01/23/14 22:49	1.24
Dibromochloromethane	ND		2.1	2.1	ug/m3			01/23/14 22:49	1.24
Dichlorodifluoromethane	9.7		3.1	3.1	ug/m3			01/23/14 22:49	1.24
Ethylbenzene	ND		1.1	1.1	ug/m3			01/23/14 22:49	1.24
Freon 22	ND		2.2	2.2	ug/m3			01/23/14 22:49	1.24
Freon TF	ND		1.9	1.9	ug/m3			01/23/14 22:49	1.24
Hexachlorobutadiene	ND		2.6	2.6	ug/m3			01/23/14 22:49	1.24
Isopropyl alcohol	ND		15	15	ug/m3			01/23/14 22:49	1.24
m,p-Xylene	ND		2.7	2.7	ug/m3			01/23/14 22:49	1.24
Methyl Butyl Ketone (2-Hexanone)	ND		2.5	2.5	ug/m3			01/23/14 22:49	1.24
Methyl Ethyl Ketone	ND		1.8	1.8	ug/m3			01/23/14 22:49	1.24
methyl isobutyl ketone	ND		2.5	2.5	ug/m3			01/23/14 22:49	1.24
Methyl methacrylate	ND		2.5	2.5	ug/m3			01/23/14 22:49	1.24
Methyl tert-butyl ether	ND		0.89	0.89	ug/m3			01/23/14 22:49	1.24
Methylene Chloride	ND		2.2	2.2	ug/m3			01/23/14 22:49	1.24
Naphthalene	ND		3.3	3.3	ug/m3			01/23/14 22:49	1.24
n-Butane	2.4		1.5	1.5	ug/m3			01/23/14 22:49	1.24
n-Butylbenzene	ND		1.4	1.4	ug/m3			01/23/14 22:49	1.24
n-Heptane	ND		1.0	1.0	ug/m3			01/23/14 22:49	1.24
n-Hexane	ND		0.87	0.87	ug/m3			01/23/14 22:49	1.24
n-Propylbenzene	ND		1.2	1.2	ug/m3			01/23/14 22:49	1.24
sec-Butylbenzene	ND		1.4	1.4	ug/m3			01/23/14 22:49	1.24
Styrene	ND		1.1	1.1	ug/m3			01/23/14 22:49	1.24
tert-Butyl alcohol	ND		19	19	ug/m3			01/23/14 22:49	1.24
tert-Butylbenzene	ND		1.4	1.4	ug/m3			01/23/14 22:49	1.24
Tetrachloroethene	ND		1.7	1.7	ug/m3			01/23/14 22:49	1.24
Tetrahydrofuran	ND		18	18	ug/m3			01/23/14 22:49	1.24
Toluene	ND		0.93	0.93	ug/m3			01/23/14 22:49	1.24
trans-1,2-Dichloroethene	ND		0.98	0.98	ug/m3			01/23/14 22:49	1.24
trans-1,3-Dichloropropene	ND		1.1	1.1	ug/m3			01/23/14 22:49	1.24
Trichloroethene	ND		1.3	1.3	ug/m3			01/23/14 22:49	1.24
Trichlorofluoromethane	4.8		1.4	1.4	ug/m3			01/23/14 22:49	1.24
Vinyl chloride	ND		0.63	0.63	ug/m3			01/23/14 22:49	1.24
Xylene (total)	ND		1.1	1.1	ug/m3			01/23/14 22:49	1.24
Xylene, o-	ND		1.1	1.1	ug/m3			01/23/14 22:49	1.24

TestAmerica Buffalo

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 058507, GM-Lockport Vapor Intrusion

TestAmerica Job ID: 480-53609-1

Client Sample ID: 6VI-5SS-011814

Lab Sample ID: 480-53609-9

Date Collected: 01/18/14 18:17

Matrix: Air

Date Received: 01/21/14 10:15

Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		3.3	3.3	ppb v/v			01/23/14 23:37	16.5
1,1,2,2-Tetrachloroethane	ND		3.3	3.3	ppb v/v			01/23/14 23:37	16.5
1,1,2-Trichloroethane	ND		3.3	3.3	ppb v/v			01/23/14 23:37	16.5
1,1-Dichloroethane	ND		3.3	3.3	ppb v/v			01/23/14 23:37	16.5
1,1-Dichloroethene	ND		3.3	3.3	ppb v/v			01/23/14 23:37	16.5
1,2,4-Trichlorobenzene	ND		8.3	8.3	ppb v/v			01/23/14 23:37	16.5
1,2,4-Trimethylbenzene	ND		3.3	3.3	ppb v/v			01/23/14 23:37	16.5
1,2-Dibromoethane	ND		3.3	3.3	ppb v/v			01/23/14 23:37	16.5
1,2-Dichlorobenzene	ND		3.3	3.3	ppb v/v			01/23/14 23:37	16.5
1,2-Dichloroethane	ND		3.3	3.3	ppb v/v			01/23/14 23:37	16.5
1,2-Dichloroethene, Total	ND		3.3	3.3	ppb v/v			01/23/14 23:37	16.5
1,2-Dichloropropane	ND		3.3	3.3	ppb v/v			01/23/14 23:37	16.5
1,2-Dichlorotetrafluoroethane	ND		3.3	3.3	ppb v/v			01/23/14 23:37	16.5
1,3,5-Trimethylbenzene	ND		3.3	3.3	ppb v/v			01/23/14 23:37	16.5
1,3-Butadiene	ND		3.3	3.3	ppb v/v			01/23/14 23:37	16.5
1,3-Dichlorobenzene	ND		3.3	3.3	ppb v/v			01/23/14 23:37	16.5
1,4-Dichlorobenzene	ND		3.3	3.3	ppb v/v			01/23/14 23:37	16.5
1,4-Dioxane	ND		83	83	ppb v/v			01/23/14 23:37	16.5
2,2,4-Trimethylpentane	ND		3.3	3.3	ppb v/v			01/23/14 23:37	16.5
2-Chlorotoluene	ND		3.3	3.3	ppb v/v			01/23/14 23:37	16.5
3-Chloropropene	ND		8.3	8.3	ppb v/v			01/23/14 23:37	16.5
4-Ethyltoluene	ND		3.3	3.3	ppb v/v			01/23/14 23:37	16.5
4-Isopropyltoluene	ND		3.3	3.3	ppb v/v			01/23/14 23:37	16.5
Acetone	ND		83	83	ppb v/v			01/23/14 23:37	16.5
Benzene	22		3.3	3.3	ppb v/v			01/23/14 23:37	16.5
Benzyl chloride	ND		3.3	3.3	ppb v/v			01/23/14 23:37	16.5
Bromodichloromethane	ND		3.3	3.3	ppb v/v			01/23/14 23:37	16.5
Bromoethene(Vinyl Bromide)	ND		3.3	3.3	ppb v/v			01/23/14 23:37	16.5
Bromoform	ND		3.3	3.3	ppb v/v			01/23/14 23:37	16.5
Bromomethane	ND		3.3	3.3	ppb v/v			01/23/14 23:37	16.5
Carbon disulfide	8.9		8.3	8.3	ppb v/v			01/23/14 23:37	16.5
Carbon tetrachloride	ND		3.3	3.3	ppb v/v			01/23/14 23:37	16.5
Chlorobenzene	ND		3.3	3.3	ppb v/v			01/23/14 23:37	16.5
Chloroethane	ND		8.3	8.3	ppb v/v			01/23/14 23:37	16.5
Chloroform	ND		3.3	3.3	ppb v/v			01/23/14 23:37	16.5
Chloromethane	ND		8.3	8.3	ppb v/v			01/23/14 23:37	16.5
cis-1,2-Dichloroethene	ND		3.3	3.3	ppb v/v			01/23/14 23:37	16.5
cis-1,3-Dichloropropene	ND		3.3	3.3	ppb v/v			01/23/14 23:37	16.5
Cumene	ND		3.3	3.3	ppb v/v			01/23/14 23:37	16.5
Cyclohexane	37		3.3	3.3	ppb v/v			01/23/14 23:37	16.5
Dibromochloromethane	ND		3.3	3.3	ppb v/v			01/23/14 23:37	16.5
Dichlorodifluoromethane	ND		8.3	8.3	ppb v/v			01/23/14 23:37	16.5
Ethylbenzene	4.5		3.3	3.3	ppb v/v			01/23/14 23:37	16.5
Freon 22	ND		8.3	8.3	ppb v/v			01/23/14 23:37	16.5
Freon TF	ND		3.3	3.3	ppb v/v			01/23/14 23:37	16.5
Hexachlorobutadiene	ND		3.3	3.3	ppb v/v			01/23/14 23:37	16.5
Isopropyl alcohol	ND		83	83	ppb v/v			01/23/14 23:37	16.5
m,p-Xylene	18		8.3	8.3	ppb v/v			01/23/14 23:37	16.5

TestAmerica Buffalo

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 058507, GM-Lockport Vapor Intrusion

TestAmerica Job ID: 480-53609-1

Client Sample ID: 6VI-5SS-011814

Lab Sample ID: 480-53609-9

Date Collected: 01/18/14 18:17

Matrix: Air

Date Received: 01/21/14 10:15

Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Butyl Ketone (2-Hexanone)	ND		8.3	8.3	ppb v/v			01/23/14 23:37	16.5
Methyl Ethyl Ketone	11		8.3	8.3	ppb v/v			01/23/14 23:37	16.5
methyl isobutyl ketone	ND		8.3	8.3	ppb v/v			01/23/14 23:37	16.5
Methyl methacrylate	ND		8.3	8.3	ppb v/v			01/23/14 23:37	16.5
Methyl tert-butyl ether	ND		3.3	3.3	ppb v/v			01/23/14 23:37	16.5
Methylene Chloride	ND		8.3	8.3	ppb v/v			01/23/14 23:37	16.5
Naphthalene	ND		8.3	8.3	ppb v/v			01/23/14 23:37	16.5
n-Butane	360		8.3	8.3	ppb v/v			01/23/14 23:37	16.5
n-Butylbenzene	ND		3.3	3.3	ppb v/v			01/23/14 23:37	16.5
n-Heptane	60		3.3	3.3	ppb v/v			01/23/14 23:37	16.5
n-Hexane	82		3.3	3.3	ppb v/v			01/23/14 23:37	16.5
n-Propylbenzene	ND		3.3	3.3	ppb v/v			01/23/14 23:37	16.5
sec-Butylbenzene	ND		3.3	3.3	ppb v/v			01/23/14 23:37	16.5
Styrene	ND		3.3	3.3	ppb v/v			01/23/14 23:37	16.5
tert-Butyl alcohol	ND		83	83	ppb v/v			01/23/14 23:37	16.5
tert-Butylbenzene	ND		3.3	3.3	ppb v/v			01/23/14 23:37	16.5
Tetrachloroethene	ND		3.3	3.3	ppb v/v			01/23/14 23:37	16.5
Tetrahydrofuran	ND		83	83	ppb v/v			01/23/14 23:37	16.5
Toluene	54		3.3	3.3	ppb v/v			01/23/14 23:37	16.5
trans-1,2-Dichloroethene	ND		3.3	3.3	ppb v/v			01/23/14 23:37	16.5
trans-1,3-Dichloropropene	ND		3.3	3.3	ppb v/v			01/23/14 23:37	16.5
Trichloroethene	ND		3.3	3.3	ppb v/v			01/23/14 23:37	16.5
Trichlorofluoromethane	ND		3.3	3.3	ppb v/v			01/23/14 23:37	16.5
Vinyl chloride	ND		3.3	3.3	ppb v/v			01/23/14 23:37	16.5
Xylene (total)	21		3.3	3.3	ppb v/v			01/23/14 23:37	16.5
Xylene, o-	3.5		3.3	3.3	ppb v/v			01/23/14 23:37	16.5

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		18	18	ug/m3			01/23/14 23:37	16.5
1,1,2,2-Tetrachloroethane	ND		23	23	ug/m3			01/23/14 23:37	16.5
1,1,2-Trichloroethane	ND		18	18	ug/m3			01/23/14 23:37	16.5
1,1-Dichloroethane	ND		13	13	ug/m3			01/23/14 23:37	16.5
1,1-Dichloroethene	ND		13	13	ug/m3			01/23/14 23:37	16.5
1,2,4-Trichlorobenzene	ND		61	61	ug/m3			01/23/14 23:37	16.5
1,2,4-Trimethylbenzene	ND		16	16	ug/m3			01/23/14 23:37	16.5
1,2-Dibromoethane	ND		25	25	ug/m3			01/23/14 23:37	16.5
1,2-Dichlorobenzene	ND		20	20	ug/m3			01/23/14 23:37	16.5
1,2-Dichloroethane	ND		13	13	ug/m3			01/23/14 23:37	16.5
1,2-Dichloroethene, Total	ND		13	13	ug/m3			01/23/14 23:37	16.5
1,2-Dichloropropane	ND		15	15	ug/m3			01/23/14 23:37	16.5
1,2-Dichlorotetrafluoroethane	ND		23	23	ug/m3			01/23/14 23:37	16.5
1,3,5-Trimethylbenzene	ND		16	16	ug/m3			01/23/14 23:37	16.5
1,3-Butadiene	ND		7.3	7.3	ug/m3			01/23/14 23:37	16.5
1,3-Dichlorobenzene	ND		20	20	ug/m3			01/23/14 23:37	16.5
1,4-Dichlorobenzene	ND		20	20	ug/m3			01/23/14 23:37	16.5
1,4-Dioxane	ND		300	300	ug/m3			01/23/14 23:37	16.5
2,2,4-Trimethylpentane	ND		15	15	ug/m3			01/23/14 23:37	16.5
2-Chlorotoluene	ND		17	17	ug/m3			01/23/14 23:37	16.5
3-Chloropropene	ND		26	26	ug/m3			01/23/14 23:37	16.5

TestAmerica Buffalo

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 058507, GM-Lockport Vapor Intrusion

TestAmerica Job ID: 480-53609-1

Client Sample ID: 6VI-5SS-011814

Lab Sample ID: 480-53609-9

Date Collected: 01/18/14 18:17

Matrix: Air

Date Received: 01/21/14 10:15

Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
4-Ethyltoluene	ND		16	16	ug/m3			01/23/14 23:37	16.5
4-Isopropyltoluene	ND		18	18	ug/m3			01/23/14 23:37	16.5
Acetone	ND		200	200	ug/m3			01/23/14 23:37	16.5
Benzene	69		11	11	ug/m3			01/23/14 23:37	16.5
Benzyl chloride	ND		17	17	ug/m3			01/23/14 23:37	16.5
Bromodichloromethane	ND		22	22	ug/m3			01/23/14 23:37	16.5
Bromoethene(Vinyl Bromide)	ND		14	14	ug/m3			01/23/14 23:37	16.5
Bromoform	ND		34	34	ug/m3			01/23/14 23:37	16.5
Bromomethane	ND		13	13	ug/m3			01/23/14 23:37	16.5
Carbon disulfide	28		26	26	ug/m3			01/23/14 23:37	16.5
Carbon tetrachloride	ND		21	21	ug/m3			01/23/14 23:37	16.5
Chlorobenzene	ND		15	15	ug/m3			01/23/14 23:37	16.5
Chloroethane	ND		22	22	ug/m3			01/23/14 23:37	16.5
Chloroform	ND		16	16	ug/m3			01/23/14 23:37	16.5
Chloromethane	ND		17	17	ug/m3			01/23/14 23:37	16.5
cis-1,2-Dichloroethene	ND		13	13	ug/m3			01/23/14 23:37	16.5
cis-1,3-Dichloropropene	ND		15	15	ug/m3			01/23/14 23:37	16.5
Cumene	ND		16	16	ug/m3			01/23/14 23:37	16.5
Cyclohexane	130		11	11	ug/m3			01/23/14 23:37	16.5
Dibromochloromethane	ND		28	28	ug/m3			01/23/14 23:37	16.5
Dichlorodifluoromethane	ND		41	41	ug/m3			01/23/14 23:37	16.5
Ethylbenzene	20		14	14	ug/m3			01/23/14 23:37	16.5
Freon 22	ND		29	29	ug/m3			01/23/14 23:37	16.5
Freon TF	ND		25	25	ug/m3			01/23/14 23:37	16.5
Hexachlorobutadiene	ND		35	35	ug/m3			01/23/14 23:37	16.5
Isopropyl alcohol	ND		200	200	ug/m3			01/23/14 23:37	16.5
m,p-Xylene	78		36	36	ug/m3			01/23/14 23:37	16.5
Methyl Butyl Ketone (2-Hexanone)	ND		34	34	ug/m3			01/23/14 23:37	16.5
Methyl Ethyl Ketone	31		24	24	ug/m3			01/23/14 23:37	16.5
methyl isobutyl ketone	ND		34	34	ug/m3			01/23/14 23:37	16.5
Methyl methacrylate	ND		34	34	ug/m3			01/23/14 23:37	16.5
Methyl tert-butyl ether	ND		12	12	ug/m3			01/23/14 23:37	16.5
Methylene Chloride	ND		29	29	ug/m3			01/23/14 23:37	16.5
Naphthalene	ND		43	43	ug/m3			01/23/14 23:37	16.5
n-Butane	860		20	20	ug/m3			01/23/14 23:37	16.5
n-Butylbenzene	ND		18	18	ug/m3			01/23/14 23:37	16.5
n-Heptane	250		14	14	ug/m3			01/23/14 23:37	16.5
n-Hexane	290		12	12	ug/m3			01/23/14 23:37	16.5
n-Propylbenzene	ND		16	16	ug/m3			01/23/14 23:37	16.5
sec-Butylbenzene	ND		18	18	ug/m3			01/23/14 23:37	16.5
Styrene	ND		14	14	ug/m3			01/23/14 23:37	16.5
tert-Butyl alcohol	ND		250	250	ug/m3			01/23/14 23:37	16.5
tert-Butylbenzene	ND		18	18	ug/m3			01/23/14 23:37	16.5
Tetrachloroethene	ND		22	22	ug/m3			01/23/14 23:37	16.5
Tetrahydrofuran	ND		240	240	ug/m3			01/23/14 23:37	16.5
Toluene	200		12	12	ug/m3			01/23/14 23:37	16.5
trans-1,2-Dichloroethene	ND		13	13	ug/m3			01/23/14 23:37	16.5
trans-1,3-Dichloropropene	ND		15	15	ug/m3			01/23/14 23:37	16.5

TestAmerica Buffalo

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 058507, GM-Lockport Vapor Intrusion

TestAmerica Job ID: 480-53609-1

Client Sample ID: 6VI-5SS-011814

Lab Sample ID: 480-53609-9

Date Collected: 01/18/14 18:17

Matrix: Air

Date Received: 01/21/14 10:15

Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	ND		18	18	ug/m3			01/23/14 23:37	16.5
Trichlorofluoromethane	ND		19	19	ug/m3			01/23/14 23:37	16.5
Vinyl chloride	ND		8.4	8.4	ug/m3			01/23/14 23:37	16.5
Xylene (total)	93		14	14	ug/m3			01/23/14 23:37	16.5
Xylene, o-	15		14	14	ug/m3			01/23/14 23:37	16.5

Client Sample ID: 6VI-6IA-011814

Lab Sample ID: 480-53609-10

Date Collected: 01/18/14 14:10

Matrix: Air

Date Received: 01/21/14 10:15

Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.20	0.20	ppb v/v			01/24/14 00:26	1
1,1,2,2-Tetrachloroethane	ND		0.20	0.20	ppb v/v			01/24/14 00:26	1
1,1,2-Trichloroethane	ND		0.20	0.20	ppb v/v			01/24/14 00:26	1
1,1-Dichloroethane	ND		0.20	0.20	ppb v/v			01/24/14 00:26	1
1,1-Dichloroethene	ND		0.20	0.20	ppb v/v			01/24/14 00:26	1
1,2,4-Trichlorobenzene	ND		0.50	0.50	ppb v/v			01/24/14 00:26	1
1,2,4-Trimethylbenzene	ND		0.20	0.20	ppb v/v			01/24/14 00:26	1
1,2-Dibromoethane	ND		0.20	0.20	ppb v/v			01/24/14 00:26	1
1,2-Dichlorobenzene	ND		0.20	0.20	ppb v/v			01/24/14 00:26	1
1,2-Dichloroethane	ND		0.20	0.20	ppb v/v			01/24/14 00:26	1
1,2-Dichloroethene, Total	ND		0.20	0.20	ppb v/v			01/24/14 00:26	1
1,2-Dichloropropane	ND		0.20	0.20	ppb v/v			01/24/14 00:26	1
1,2-Dichlorotetrafluoroethane	ND		0.20	0.20	ppb v/v			01/24/14 00:26	1
1,3,5-Trimethylbenzene	ND		0.20	0.20	ppb v/v			01/24/14 00:26	1
1,3-Butadiene	ND		0.20	0.20	ppb v/v			01/24/14 00:26	1
1,3-Dichlorobenzene	ND		0.20	0.20	ppb v/v			01/24/14 00:26	1
1,4-Dichlorobenzene	ND		0.20	0.20	ppb v/v			01/24/14 00:26	1
1,4-Dioxane	ND		5.0	5.0	ppb v/v			01/24/14 00:26	1
2,2,4-Trimethylpentane	ND		0.20	0.20	ppb v/v			01/24/14 00:26	1
2-Chlorotoluene	ND		0.20	0.20	ppb v/v			01/24/14 00:26	1
3-Chloropropene	ND		0.50	0.50	ppb v/v			01/24/14 00:26	1
4-Ethyltoluene	ND		0.20	0.20	ppb v/v			01/24/14 00:26	1
4-Isopropyltoluene	ND		0.20	0.20	ppb v/v			01/24/14 00:26	1
Acetone	ND		5.0	5.0	ppb v/v			01/24/14 00:26	1
Benzene	0.23		0.20	0.20	ppb v/v			01/24/14 00:26	1
Benzyl chloride	ND		0.20	0.20	ppb v/v			01/24/14 00:26	1
Bromodichloromethane	ND		0.20	0.20	ppb v/v			01/24/14 00:26	1
Bromoethene(Vinyl Bromide)	ND		0.20	0.20	ppb v/v			01/24/14 00:26	1
Bromoform	ND		0.20	0.20	ppb v/v			01/24/14 00:26	1
Bromomethane	ND		0.20	0.20	ppb v/v			01/24/14 00:26	1
Carbon disulfide	ND		0.50	0.50	ppb v/v			01/24/14 00:26	1
Carbon tetrachloride	ND		0.20	0.20	ppb v/v			01/24/14 00:26	1
Chlorobenzene	ND		0.20	0.20	ppb v/v			01/24/14 00:26	1
Chloroethane	ND		0.50	0.50	ppb v/v			01/24/14 00:26	1
Chloroform	ND		0.20	0.20	ppb v/v			01/24/14 00:26	1
Chloromethane	ND		0.50	0.50	ppb v/v			01/24/14 00:26	1

TestAmerica Buffalo

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 058507, GM-Lockport Vapor Intrusion

TestAmerica Job ID: 480-53609-1

Client Sample ID: 6VI-6IA-011814

Lab Sample ID: 480-53609-10

Date Collected: 01/18/14 14:10

Matrix: Air

Date Received: 01/21/14 10:15

Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	ND		0.20	0.20	ppb v/v			01/24/14 00:26	1
cis-1,3-Dichloropropene	ND		0.20	0.20	ppb v/v			01/24/14 00:26	1
Cumene	ND		0.20	0.20	ppb v/v			01/24/14 00:26	1
Cyclohexane	ND		0.20	0.20	ppb v/v			01/24/14 00:26	1
Dibromochloromethane	ND		0.20	0.20	ppb v/v			01/24/14 00:26	1
Dichlorodifluoromethane	23		0.50	0.50	ppb v/v			01/24/14 00:26	1
Ethylbenzene	ND		0.20	0.20	ppb v/v			01/24/14 00:26	1
Freon 22	ND		0.50	0.50	ppb v/v			01/24/14 00:26	1
Freon TF	ND		0.20	0.20	ppb v/v			01/24/14 00:26	1
Hexachlorobutadiene	ND		0.20	0.20	ppb v/v			01/24/14 00:26	1
Isopropyl alcohol	ND		5.0	5.0	ppb v/v			01/24/14 00:26	1
m,p-Xylene	ND		0.50	0.50	ppb v/v			01/24/14 00:26	1
Methyl Butyl Ketone (2-Hexanone)	ND		0.50	0.50	ppb v/v			01/24/14 00:26	1
Methyl Ethyl Ketone	ND		0.50	0.50	ppb v/v			01/24/14 00:26	1
methyl isobutyl ketone	ND		0.50	0.50	ppb v/v			01/24/14 00:26	1
Methyl methacrylate	ND		0.50	0.50	ppb v/v			01/24/14 00:26	1
Methyl tert-butyl ether	ND		0.20	0.20	ppb v/v			01/24/14 00:26	1
Methylene Chloride	ND		0.50	0.50	ppb v/v			01/24/14 00:26	1
Naphthalene	ND		0.50	0.50	ppb v/v			01/24/14 00:26	1
n-Butane	1.7		0.50	0.50	ppb v/v			01/24/14 00:26	1
n-Butylbenzene	ND		0.20	0.20	ppb v/v			01/24/14 00:26	1
n-Heptane	ND		0.20	0.20	ppb v/v			01/24/14 00:26	1
n-Hexane	ND		0.20	0.20	ppb v/v			01/24/14 00:26	1
n-Propylbenzene	ND		0.20	0.20	ppb v/v			01/24/14 00:26	1
sec-Butylbenzene	ND		0.20	0.20	ppb v/v			01/24/14 00:26	1
Styrene	ND		0.20	0.20	ppb v/v			01/24/14 00:26	1
tert-Butyl alcohol	ND		5.0	5.0	ppb v/v			01/24/14 00:26	1
tert-Butylbenzene	ND		0.20	0.20	ppb v/v			01/24/14 00:26	1
Tetrachloroethene	0.28		0.20	0.20	ppb v/v			01/24/14 00:26	1
Tetrahydrofuran	ND		5.0	5.0	ppb v/v			01/24/14 00:26	1
Toluene	0.33		0.20	0.20	ppb v/v			01/24/14 00:26	1
trans-1,2-Dichloroethene	ND		0.20	0.20	ppb v/v			01/24/14 00:26	1
trans-1,3-Dichloropropene	ND		0.20	0.20	ppb v/v			01/24/14 00:26	1
Trichloroethene	ND		0.20	0.20	ppb v/v			01/24/14 00:26	1
Trichlorofluoromethane	0.41		0.20	0.20	ppb v/v			01/24/14 00:26	1
Vinyl chloride	ND		0.20	0.20	ppb v/v			01/24/14 00:26	1
Xylene (total)	ND		0.20	0.20	ppb v/v			01/24/14 00:26	1
Xylene, o-	ND		0.20	0.20	ppb v/v			01/24/14 00:26	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.1	1.1	ug/m3			01/24/14 00:26	1
1,1,2,2-Tetrachloroethane	ND		1.4	1.4	ug/m3			01/24/14 00:26	1
1,1,2-Trichloroethane	ND		1.1	1.1	ug/m3			01/24/14 00:26	1
1,1-Dichloroethane	ND		0.81	0.81	ug/m3			01/24/14 00:26	1
1,1-Dichloroethene	ND		0.79	0.79	ug/m3			01/24/14 00:26	1
1,2,4-Trichlorobenzene	ND		3.7	3.7	ug/m3			01/24/14 00:26	1
1,2,4-Trimethylbenzene	ND		0.98	0.98	ug/m3			01/24/14 00:26	1
1,2-Dibromoethane	ND		1.5	1.5	ug/m3			01/24/14 00:26	1
1,2-Dichlorobenzene	ND		1.2	1.2	ug/m3			01/24/14 00:26	1

TestAmerica Buffalo

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 058507, GM-Lockport Vapor Intrusion

TestAmerica Job ID: 480-53609-1

Client Sample ID: 6VI-6IA-011814

Lab Sample ID: 480-53609-10

Date Collected: 01/18/14 14:10

Matrix: Air

Date Received: 01/21/14 10:15

Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		0.81	0.81	ug/m3			01/24/14 00:26	1
1,2-Dichloroethene, Total	ND		0.79	0.79	ug/m3			01/24/14 00:26	1
1,2-Dichloropropane	ND		0.92	0.92	ug/m3			01/24/14 00:26	1
1,2-Dichlorotetrafluoroethane	ND		1.4	1.4	ug/m3			01/24/14 00:26	1
1,3,5-Trimethylbenzene	ND		0.98	0.98	ug/m3			01/24/14 00:26	1
1,3-Butadiene	ND		0.44	0.44	ug/m3			01/24/14 00:26	1
1,3-Dichlorobenzene	ND		1.2	1.2	ug/m3			01/24/14 00:26	1
1,4-Dichlorobenzene	ND		1.2	1.2	ug/m3			01/24/14 00:26	1
1,4-Dioxane	ND		18	18	ug/m3			01/24/14 00:26	1
2,2,4-Trimethylpentane	ND		0.93	0.93	ug/m3			01/24/14 00:26	1
2-Chlorotoluene	ND		1.0	1.0	ug/m3			01/24/14 00:26	1
3-Chloropropene	ND		1.6	1.6	ug/m3			01/24/14 00:26	1
4-Ethyltoluene	ND		0.98	0.98	ug/m3			01/24/14 00:26	1
4-Isopropyltoluene	ND		1.1	1.1	ug/m3			01/24/14 00:26	1
Acetone	ND		12	12	ug/m3			01/24/14 00:26	1
Benzene	0.75		0.64	0.64	ug/m3			01/24/14 00:26	1
Benzyl chloride	ND		1.0	1.0	ug/m3			01/24/14 00:26	1
Bromodichloromethane	ND		1.3	1.3	ug/m3			01/24/14 00:26	1
Bromoethene(Vinyl Bromide)	ND		0.87	0.87	ug/m3			01/24/14 00:26	1
Bromoform	ND		2.1	2.1	ug/m3			01/24/14 00:26	1
Bromomethane	ND		0.78	0.78	ug/m3			01/24/14 00:26	1
Carbon disulfide	ND		1.6	1.6	ug/m3			01/24/14 00:26	1
Carbon tetrachloride	ND		1.3	1.3	ug/m3			01/24/14 00:26	1
Chlorobenzene	ND		0.92	0.92	ug/m3			01/24/14 00:26	1
Chloroethane	ND		1.3	1.3	ug/m3			01/24/14 00:26	1
Chloroform	ND		0.98	0.98	ug/m3			01/24/14 00:26	1
Chloromethane	ND		1.0	1.0	ug/m3			01/24/14 00:26	1
cis-1,2-Dichloroethene	ND		0.79	0.79	ug/m3			01/24/14 00:26	1
cis-1,3-Dichloropropene	ND		0.91	0.91	ug/m3			01/24/14 00:26	1
Cumene	ND		0.98	0.98	ug/m3			01/24/14 00:26	1
Cyclohexane	ND		0.69	0.69	ug/m3			01/24/14 00:26	1
Dibromochloromethane	ND		1.7	1.7	ug/m3			01/24/14 00:26	1
Dichlorodifluoromethane	110		2.5	2.5	ug/m3			01/24/14 00:26	1
Ethylbenzene	ND		0.87	0.87	ug/m3			01/24/14 00:26	1
Freon 22	ND		1.8	1.8	ug/m3			01/24/14 00:26	1
Freon TF	ND		1.5	1.5	ug/m3			01/24/14 00:26	1
Hexachlorobutadiene	ND		2.1	2.1	ug/m3			01/24/14 00:26	1
Isopropyl alcohol	ND		12	12	ug/m3			01/24/14 00:26	1
m,p-Xylene	ND		2.2	2.2	ug/m3			01/24/14 00:26	1
Methyl Butyl Ketone (2-Hexanone)	ND		2.0	2.0	ug/m3			01/24/14 00:26	1
Methyl Ethyl Ketone	ND		1.5	1.5	ug/m3			01/24/14 00:26	1
methyl isobutyl ketone	ND		2.0	2.0	ug/m3			01/24/14 00:26	1
Methyl methacrylate	ND		2.0	2.0	ug/m3			01/24/14 00:26	1
Methyl tert-butyl ether	ND		0.72	0.72	ug/m3			01/24/14 00:26	1
Methylene Chloride	ND		1.7	1.7	ug/m3			01/24/14 00:26	1
Naphthalene	ND		2.6	2.6	ug/m3			01/24/14 00:26	1
n-Butane	3.9		1.2	1.2	ug/m3			01/24/14 00:26	1
n-Butylbenzene	ND		1.1	1.1	ug/m3			01/24/14 00:26	1

TestAmerica Buffalo

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 058507, GM-Lockport Vapor Intrusion

TestAmerica Job ID: 480-53609-1

Client Sample ID: 6VI-6IA-011814

Lab Sample ID: 480-53609-10

Date Collected: 01/18/14 14:10

Matrix: Air

Date Received: 01/21/14 10:15

Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
n-Heptane	ND		0.82	0.82	ug/m3			01/24/14 00:26	1
n-Hexane	ND		0.70	0.70	ug/m3			01/24/14 00:26	1
n-Propylbenzene	ND		0.98	0.98	ug/m3			01/24/14 00:26	1
sec-Butylbenzene	ND		1.1	1.1	ug/m3			01/24/14 00:26	1
Styrene	ND		0.85	0.85	ug/m3			01/24/14 00:26	1
tert-Butyl alcohol	ND		15	15	ug/m3			01/24/14 00:26	1
tert-Butylbenzene	ND		1.1	1.1	ug/m3			01/24/14 00:26	1
Tetrachloroethene	1.9		1.4	1.4	ug/m3			01/24/14 00:26	1
Tetrahydrofuran	ND		15	15	ug/m3			01/24/14 00:26	1
Toluene	1.3		0.75	0.75	ug/m3			01/24/14 00:26	1
trans-1,2-Dichloroethene	ND		0.79	0.79	ug/m3			01/24/14 00:26	1
trans-1,3-Dichloropropene	ND		0.91	0.91	ug/m3			01/24/14 00:26	1
Trichloroethene	ND		1.1	1.1	ug/m3			01/24/14 00:26	1
Trichlorofluoromethane	2.3		1.1	1.1	ug/m3			01/24/14 00:26	1
Vinyl chloride	ND		0.51	0.51	ug/m3			01/24/14 00:26	1
Xylene (total)	ND		0.87	0.87	ug/m3			01/24/14 00:26	1
Xylene, o-	ND		0.87	0.87	ug/m3			01/24/14 00:26	1

Client Sample ID: 6VI-6SS-011814

Lab Sample ID: 480-53609-11

Date Collected: 01/18/14 13:39

Matrix: Air

Date Received: 01/21/14 10:15

Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.80	0.80	ppb v/v			01/24/14 01:15	4
1,1,1,2,2-Tetrachloroethane	ND		0.80	0.80	ppb v/v			01/24/14 01:15	4
1,1,2-Trichloroethane	ND		0.80	0.80	ppb v/v			01/24/14 01:15	4
1,1-Dichloroethane	ND		0.80	0.80	ppb v/v			01/24/14 01:15	4
1,1-Dichloroethene	ND		0.80	0.80	ppb v/v			01/24/14 01:15	4
1,2,4-Trichlorobenzene	ND		2.0	2.0	ppb v/v			01/24/14 01:15	4
1,2,4-Trimethylbenzene	ND		0.80	0.80	ppb v/v			01/24/14 01:15	4
1,2-Dibromoethane	ND		0.80	0.80	ppb v/v			01/24/14 01:15	4
1,2-Dichlorobenzene	ND		0.80	0.80	ppb v/v			01/24/14 01:15	4
1,2-Dichloroethane	1.0		0.80	0.80	ppb v/v			01/24/14 01:15	4
1,2-Dichloroethene, Total	ND		0.80	0.80	ppb v/v			01/24/14 01:15	4
1,2-Dichloropropane	ND		0.80	0.80	ppb v/v			01/24/14 01:15	4
1,2-Dichlorotetrafluoroethane	ND		0.80	0.80	ppb v/v			01/24/14 01:15	4
1,3,5-Trimethylbenzene	ND		0.80	0.80	ppb v/v			01/24/14 01:15	4
1,3-Butadiene	ND		0.80	0.80	ppb v/v			01/24/14 01:15	4
1,3-Dichlorobenzene	ND		0.80	0.80	ppb v/v			01/24/14 01:15	4
1,4-Dichlorobenzene	ND		0.80	0.80	ppb v/v			01/24/14 01:15	4
1,4-Dioxane	ND		20	20	ppb v/v			01/24/14 01:15	4
2,2,4-Trimethylpentane	0.96		0.80	0.80	ppb v/v			01/24/14 01:15	4
2-Chlorotoluene	ND		0.80	0.80	ppb v/v			01/24/14 01:15	4
3-Chloropropene	ND		2.0	2.0	ppb v/v			01/24/14 01:15	4
4-Ethyltoluene	ND		0.80	0.80	ppb v/v			01/24/14 01:15	4
4-Isopropyltoluene	ND		0.80	0.80	ppb v/v			01/24/14 01:15	4
Acetone	27		20	20	ppb v/v			01/24/14 01:15	4

TestAmerica Buffalo

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 058507, GM-Lockport Vapor Intrusion

TestAmerica Job ID: 480-53609-1

Client Sample ID: 6VI-6SS-011814

Lab Sample ID: 480-53609-11

Date Collected: 01/18/14 13:39

Matrix: Air

Date Received: 01/21/14 10:15

Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	1.5		0.80	0.80	ppb v/v			01/24/14 01:15	4
Benzyl chloride	ND		0.80	0.80	ppb v/v			01/24/14 01:15	4
Bromodichloromethane	ND		0.80	0.80	ppb v/v			01/24/14 01:15	4
Bromoethene(Vinyl Bromide)	ND		0.80	0.80	ppb v/v			01/24/14 01:15	4
Bromoform	ND		0.80	0.80	ppb v/v			01/24/14 01:15	4
Bromomethane	ND		0.80	0.80	ppb v/v			01/24/14 01:15	4
Carbon disulfide	ND		2.0	2.0	ppb v/v			01/24/14 01:15	4
Carbon tetrachloride	ND		0.80	0.80	ppb v/v			01/24/14 01:15	4
Chlorobenzene	ND		0.80	0.80	ppb v/v			01/24/14 01:15	4
Chloroethane	ND		2.0	2.0	ppb v/v			01/24/14 01:15	4
Chloroform	ND		0.80	0.80	ppb v/v			01/24/14 01:15	4
Chloromethane	ND		2.0	2.0	ppb v/v			01/24/14 01:15	4
cis-1,2-Dichloroethene	ND		0.80	0.80	ppb v/v			01/24/14 01:15	4
cis-1,3-Dichloropropene	ND		0.80	0.80	ppb v/v			01/24/14 01:15	4
Cumene	ND		0.80	0.80	ppb v/v			01/24/14 01:15	4
Cyclohexane	3.4		0.80	0.80	ppb v/v			01/24/14 01:15	4
Dibromochloromethane	ND		0.80	0.80	ppb v/v			01/24/14 01:15	4
Dichlorodifluoromethane	4.1		2.0	2.0	ppb v/v			01/24/14 01:15	4
Ethylbenzene	ND		0.80	0.80	ppb v/v			01/24/14 01:15	4
Freon 22	ND		2.0	2.0	ppb v/v			01/24/14 01:15	4
Freon TF	ND		0.80	0.80	ppb v/v			01/24/14 01:15	4
Hexachlorobutadiene	ND		0.80	0.80	ppb v/v			01/24/14 01:15	4
Isopropyl alcohol	ND		20	20	ppb v/v			01/24/14 01:15	4
m,p-Xylene	ND		2.0	2.0	ppb v/v			01/24/14 01:15	4
Methyl Butyl Ketone (2-Hexanone)	ND		2.0	2.0	ppb v/v			01/24/14 01:15	4
Methyl Ethyl Ketone	16		2.0	2.0	ppb v/v			01/24/14 01:15	4
methyl isobutyl ketone	ND		2.0	2.0	ppb v/v			01/24/14 01:15	4
Methyl methacrylate	ND		2.0	2.0	ppb v/v			01/24/14 01:15	4
Methyl tert-butyl ether	24		0.80	0.80	ppb v/v			01/24/14 01:15	4
Methylene Chloride	5.0		2.0	2.0	ppb v/v			01/24/14 01:15	4
Naphthalene	ND		2.0	2.0	ppb v/v			01/24/14 01:15	4
n-Butane	97		2.0	2.0	ppb v/v			01/24/14 01:15	4
n-Butylbenzene	ND		0.80	0.80	ppb v/v			01/24/14 01:15	4
n-Heptane	11		0.80	0.80	ppb v/v			01/24/14 01:15	4
n-Hexane	34		0.80	0.80	ppb v/v			01/24/14 01:15	4
n-Propylbenzene	ND		0.80	0.80	ppb v/v			01/24/14 01:15	4
sec-Butylbenzene	ND		0.80	0.80	ppb v/v			01/24/14 01:15	4
Styrene	ND		0.80	0.80	ppb v/v			01/24/14 01:15	4
tert-Butyl alcohol	ND		20	20	ppb v/v			01/24/14 01:15	4
tert-Butylbenzene	ND		0.80	0.80	ppb v/v			01/24/14 01:15	4
Tetrachloroethene	ND		0.80	0.80	ppb v/v			01/24/14 01:15	4
Tetrahydrofuran	ND		20	20	ppb v/v			01/24/14 01:15	4
Toluene	18		0.80	0.80	ppb v/v			01/24/14 01:15	4
trans-1,2-Dichloroethene	ND		0.80	0.80	ppb v/v			01/24/14 01:15	4
trans-1,3-Dichloropropene	ND		0.80	0.80	ppb v/v			01/24/14 01:15	4
Trichloroethene	0.97		0.80	0.80	ppb v/v			01/24/14 01:15	4
Trichlorofluoromethane	ND		0.80	0.80	ppb v/v			01/24/14 01:15	4
Vinyl chloride	ND		0.80	0.80	ppb v/v			01/24/14 01:15	4

TestAmerica Buffalo

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 058507, GM-Lockport Vapor Intrusion

TestAmerica Job ID: 480-53609-1

Client Sample ID: 6VI-6SS-011814

Lab Sample ID: 480-53609-11

Date Collected: 01/18/14 13:39

Matrix: Air

Date Received: 01/21/14 10:15

Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Xylene (total)	2.1		0.80	0.80	ppb v/v			01/24/14 01:15	4
Xylene, o-	ND		0.80	0.80	ppb v/v			01/24/14 01:15	4
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4.4	4.4	ug/m3			01/24/14 01:15	4
1,1,2,2-Tetrachloroethane	ND		5.5	5.5	ug/m3			01/24/14 01:15	4
1,1,2-Trichloroethane	ND		4.4	4.4	ug/m3			01/24/14 01:15	4
1,1-Dichloroethane	ND		3.2	3.2	ug/m3			01/24/14 01:15	4
1,1-Dichloroethene	ND		3.2	3.2	ug/m3			01/24/14 01:15	4
1,2,4-Trichlorobenzene	ND		15	15	ug/m3			01/24/14 01:15	4
1,2,4-Trimethylbenzene	ND		3.9	3.9	ug/m3			01/24/14 01:15	4
1,2-Dibromoethane	ND		6.1	6.1	ug/m3			01/24/14 01:15	4
1,2-Dichlorobenzene	ND		4.8	4.8	ug/m3			01/24/14 01:15	4
1,2-Dichloroethane	4.1		3.2	3.2	ug/m3			01/24/14 01:15	4
1,2-Dichloroethene, Total	ND		3.2	3.2	ug/m3			01/24/14 01:15	4
1,2-Dichloropropane	ND		3.7	3.7	ug/m3			01/24/14 01:15	4
1,2-Dichlorotetrafluoroethane	ND		5.6	5.6	ug/m3			01/24/14 01:15	4
1,3,5-Trimethylbenzene	ND		3.9	3.9	ug/m3			01/24/14 01:15	4
1,3-Butadiene	ND		1.8	1.8	ug/m3			01/24/14 01:15	4
1,3-Dichlorobenzene	ND		4.8	4.8	ug/m3			01/24/14 01:15	4
1,4-Dichlorobenzene	ND		4.8	4.8	ug/m3			01/24/14 01:15	4
1,4-Dioxane	ND		72	72	ug/m3			01/24/14 01:15	4
2,2,4-Trimethylpentane	4.5		3.7	3.7	ug/m3			01/24/14 01:15	4
2-Chlorotoluene	ND		4.1	4.1	ug/m3			01/24/14 01:15	4
3-Chloropropene	ND		6.3	6.3	ug/m3			01/24/14 01:15	4
4-Ethyltoluene	ND		3.9	3.9	ug/m3			01/24/14 01:15	4
4-Isopropyltoluene	ND		4.4	4.4	ug/m3			01/24/14 01:15	4
Acetone	64		48	48	ug/m3			01/24/14 01:15	4
Benzene	4.9		2.6	2.6	ug/m3			01/24/14 01:15	4
Benzyl chloride	ND		4.1	4.1	ug/m3			01/24/14 01:15	4
Bromodichloromethane	ND		5.4	5.4	ug/m3			01/24/14 01:15	4
Bromoethene(Vinyl Bromide)	ND		3.5	3.5	ug/m3			01/24/14 01:15	4
Bromoform	ND		8.3	8.3	ug/m3			01/24/14 01:15	4
Bromomethane	ND		3.1	3.1	ug/m3			01/24/14 01:15	4
Carbon disulfide	ND		6.2	6.2	ug/m3			01/24/14 01:15	4
Carbon tetrachloride	ND		5.0	5.0	ug/m3			01/24/14 01:15	4
Chlorobenzene	ND		3.7	3.7	ug/m3			01/24/14 01:15	4
Chloroethane	ND		5.3	5.3	ug/m3			01/24/14 01:15	4
Chloroform	ND		3.9	3.9	ug/m3			01/24/14 01:15	4
Chloromethane	ND		4.1	4.1	ug/m3			01/24/14 01:15	4
cis-1,2-Dichloroethene	ND		3.2	3.2	ug/m3			01/24/14 01:15	4
cis-1,3-Dichloropropene	ND		3.6	3.6	ug/m3			01/24/14 01:15	4
Cumene	ND		3.9	3.9	ug/m3			01/24/14 01:15	4
Cyclohexane	12		2.8	2.8	ug/m3			01/24/14 01:15	4
Dibromochloromethane	ND		6.8	6.8	ug/m3			01/24/14 01:15	4
Dichlorodifluoromethane	20		9.9	9.9	ug/m3			01/24/14 01:15	4
Ethylbenzene	ND		3.5	3.5	ug/m3			01/24/14 01:15	4
Freon 22	ND		7.1	7.1	ug/m3			01/24/14 01:15	4
Freon TF	ND		6.1	6.1	ug/m3			01/24/14 01:15	4

TestAmerica Buffalo

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 058507, GM-Lockport Vapor Intrusion

TestAmerica Job ID: 480-53609-1

Client Sample ID: 6VI-6SS-011814

Lab Sample ID: 480-53609-11

Date Collected: 01/18/14 13:39

Matrix: Air

Date Received: 01/21/14 10:15

Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorobutadiene	ND		8.5	8.5	ug/m3			01/24/14 01:15	4
Isopropyl alcohol	ND		49	49	ug/m3			01/24/14 01:15	4
m,p-Xylene	ND		8.7	8.7	ug/m3			01/24/14 01:15	4
Methyl Butyl Ketone (2-Hexanone)	ND		8.2	8.2	ug/m3			01/24/14 01:15	4
Methyl Ethyl Ketone	46		5.9	5.9	ug/m3			01/24/14 01:15	4
methyl isobutyl ketone	ND		8.2	8.2	ug/m3			01/24/14 01:15	4
Methyl methacrylate	ND		8.2	8.2	ug/m3			01/24/14 01:15	4
Methyl tert-butyl ether	87		2.9	2.9	ug/m3			01/24/14 01:15	4
Methylene Chloride	17		6.9	6.9	ug/m3			01/24/14 01:15	4
Naphthalene	ND		10	10	ug/m3			01/24/14 01:15	4
n-Butane	230		4.8	4.8	ug/m3			01/24/14 01:15	4
n-Butylbenzene	ND		4.4	4.4	ug/m3			01/24/14 01:15	4
n-Heptane	44		3.3	3.3	ug/m3			01/24/14 01:15	4
n-Hexane	120		2.8	2.8	ug/m3			01/24/14 01:15	4
n-Propylbenzene	ND		3.9	3.9	ug/m3			01/24/14 01:15	4
sec-Butylbenzene	ND		4.4	4.4	ug/m3			01/24/14 01:15	4
Styrene	ND		3.4	3.4	ug/m3			01/24/14 01:15	4
tert-Butyl alcohol	ND		61	61	ug/m3			01/24/14 01:15	4
tert-Butylbenzene	ND		4.4	4.4	ug/m3			01/24/14 01:15	4
Tetrachloroethene	ND		5.4	5.4	ug/m3			01/24/14 01:15	4
Tetrahydrofuran	ND		59	59	ug/m3			01/24/14 01:15	4
Toluene	68		3.0	3.0	ug/m3			01/24/14 01:15	4
trans-1,2-Dichloroethene	ND		3.2	3.2	ug/m3			01/24/14 01:15	4
trans-1,3-Dichloropropene	ND		3.6	3.6	ug/m3			01/24/14 01:15	4
Trichloroethene	5.2		4.3	4.3	ug/m3			01/24/14 01:15	4
Trichlorofluoromethane	ND		4.5	4.5	ug/m3			01/24/14 01:15	4
Vinyl chloride	ND		2.0	2.0	ug/m3			01/24/14 01:15	4
Xylene (total)	9.1		3.5	3.5	ug/m3			01/24/14 01:15	4
Xylene, o-	ND		3.5	3.5	ug/m3			01/24/14 01:15	4

Client Sample ID: 6VI-7IA-011814

Lab Sample ID: 480-53609-12

Date Collected: 01/18/14 18:14

Matrix: Air

Date Received: 01/21/14 10:15

Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.20	0.20	ppb v/v			01/24/14 02:05	1
1,1,2,2-Tetrachloroethane	ND		0.20	0.20	ppb v/v			01/24/14 02:05	1
1,1,2-Trichloroethane	ND		0.20	0.20	ppb v/v			01/24/14 02:05	1
1,1-Dichloroethane	ND		0.20	0.20	ppb v/v			01/24/14 02:05	1
1,1-Dichloroethene	ND		0.20	0.20	ppb v/v			01/24/14 02:05	1
1,2,4-Trichlorobenzene	ND		0.50	0.50	ppb v/v			01/24/14 02:05	1
1,2,4-Trimethylbenzene	ND		0.20	0.20	ppb v/v			01/24/14 02:05	1
1,2-Dibromoethane	ND		0.20	0.20	ppb v/v			01/24/14 02:05	1
1,2-Dichlorobenzene	ND		0.20	0.20	ppb v/v			01/24/14 02:05	1
1,2-Dichloroethane	ND		0.20	0.20	ppb v/v			01/24/14 02:05	1
1,2-Dichloroethene, Total	ND		0.20	0.20	ppb v/v			01/24/14 02:05	1
1,2-Dichloropropane	ND		0.20	0.20	ppb v/v			01/24/14 02:05	1

TestAmerica Buffalo

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 058507, GM-Lockport Vapor Intrusion

TestAmerica Job ID: 480-53609-1

Client Sample ID: 6VI-7IA-011814

Lab Sample ID: 480-53609-12

Date Collected: 01/18/14 18:14

Matrix: Air

Date Received: 01/21/14 10:15

Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorotetrafluoroethane	ND		0.20	0.20	ppb v/v			01/24/14 02:05	1
1,3,5-Trimethylbenzene	ND		0.20	0.20	ppb v/v			01/24/14 02:05	1
1,3-Butadiene	ND		0.20	0.20	ppb v/v			01/24/14 02:05	1
1,3-Dichlorobenzene	ND		0.20	0.20	ppb v/v			01/24/14 02:05	1
1,4-Dichlorobenzene	ND		0.20	0.20	ppb v/v			01/24/14 02:05	1
1,4-Dioxane	ND		5.0	5.0	ppb v/v			01/24/14 02:05	1
2,2,4-Trimethylpentane	ND		0.20	0.20	ppb v/v			01/24/14 02:05	1
2-Chlorotoluene	ND		0.20	0.20	ppb v/v			01/24/14 02:05	1
3-Chloropropene	ND		0.50	0.50	ppb v/v			01/24/14 02:05	1
4-Ethyltoluene	ND		0.20	0.20	ppb v/v			01/24/14 02:05	1
4-Isopropyltoluene	ND		0.20	0.20	ppb v/v			01/24/14 02:05	1
Acetone	ND		5.0	5.0	ppb v/v			01/24/14 02:05	1
Benzene	ND		0.20	0.20	ppb v/v			01/24/14 02:05	1
Benzyl chloride	ND		0.20	0.20	ppb v/v			01/24/14 02:05	1
Bromodichloromethane	ND		0.20	0.20	ppb v/v			01/24/14 02:05	1
Bromoethene(Vinyl Bromide)	ND		0.20	0.20	ppb v/v			01/24/14 02:05	1
Bromoform	ND		0.20	0.20	ppb v/v			01/24/14 02:05	1
Bromomethane	ND		0.20	0.20	ppb v/v			01/24/14 02:05	1
Carbon disulfide	ND		0.50	0.50	ppb v/v			01/24/14 02:05	1
Carbon tetrachloride	ND		0.20	0.20	ppb v/v			01/24/14 02:05	1
Chlorobenzene	ND		0.20	0.20	ppb v/v			01/24/14 02:05	1
Chloroethane	ND		0.50	0.50	ppb v/v			01/24/14 02:05	1
Chloroform	ND		0.20	0.20	ppb v/v			01/24/14 02:05	1
Chloromethane	0.65		0.50	0.50	ppb v/v			01/24/14 02:05	1
cis-1,2-Dichloroethene	ND		0.20	0.20	ppb v/v			01/24/14 02:05	1
cis-1,3-Dichloropropene	ND		0.20	0.20	ppb v/v			01/24/14 02:05	1
Cumene	ND		0.20	0.20	ppb v/v			01/24/14 02:05	1
Cyclohexane	ND		0.20	0.20	ppb v/v			01/24/14 02:05	1
Dibromochloromethane	ND		0.20	0.20	ppb v/v			01/24/14 02:05	1
Dichlorodifluoromethane	0.88		0.50	0.50	ppb v/v			01/24/14 02:05	1
Ethylbenzene	ND		0.20	0.20	ppb v/v			01/24/14 02:05	1
Freon 22	ND		0.50	0.50	ppb v/v			01/24/14 02:05	1
Freon TF	ND		0.20	0.20	ppb v/v			01/24/14 02:05	1
Hexachlorobutadiene	ND		0.20	0.20	ppb v/v			01/24/14 02:05	1
Isopropyl alcohol	6.7		5.0	5.0	ppb v/v			01/24/14 02:05	1
m,p-Xylene	ND		0.50	0.50	ppb v/v			01/24/14 02:05	1
Methyl Butyl Ketone (2-Hexanone)	ND		0.50	0.50	ppb v/v			01/24/14 02:05	1
Methyl Ethyl Ketone	ND		0.50	0.50	ppb v/v			01/24/14 02:05	1
methyl isobutyl ketone	ND		0.50	0.50	ppb v/v			01/24/14 02:05	1
Methyl methacrylate	ND		0.50	0.50	ppb v/v			01/24/14 02:05	1
Methyl tert-butyl ether	ND		0.20	0.20	ppb v/v			01/24/14 02:05	1
Methylene Chloride	ND		0.50	0.50	ppb v/v			01/24/14 02:05	1
Naphthalene	ND		0.50	0.50	ppb v/v			01/24/14 02:05	1
n-Butane	0.92		0.50	0.50	ppb v/v			01/24/14 02:05	1
n-Butylbenzene	ND		0.20	0.20	ppb v/v			01/24/14 02:05	1
n-Heptane	ND		0.20	0.20	ppb v/v			01/24/14 02:05	1
n-Hexane	ND		0.20	0.20	ppb v/v			01/24/14 02:05	1
n-Propylbenzene	ND		0.20	0.20	ppb v/v			01/24/14 02:05	1

TestAmerica Buffalo

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 058507, GM-Lockport Vapor Intrusion

TestAmerica Job ID: 480-53609-1

Client Sample ID: 6VI-7IA-011814

Lab Sample ID: 480-53609-12

Date Collected: 01/18/14 18:14

Matrix: Air

Date Received: 01/21/14 10:15

Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		0.20	0.20	ppb v/v			01/24/14 02:05	1
Styrene	ND		0.20	0.20	ppb v/v			01/24/14 02:05	1
tert-Butyl alcohol	ND		5.0	5.0	ppb v/v			01/24/14 02:05	1
tert-Butylbenzene	ND		0.20	0.20	ppb v/v			01/24/14 02:05	1
Tetrachloroethene	1.0		0.20	0.20	ppb v/v			01/24/14 02:05	1
Tetrahydrofuran	ND		5.0	5.0	ppb v/v			01/24/14 02:05	1
Toluene	0.35		0.20	0.20	ppb v/v			01/24/14 02:05	1
trans-1,2-Dichloroethene	ND		0.20	0.20	ppb v/v			01/24/14 02:05	1
trans-1,3-Dichloropropene	ND		0.20	0.20	ppb v/v			01/24/14 02:05	1
Trichloroethene	0.27		0.20	0.20	ppb v/v			01/24/14 02:05	1
Trichlorofluoromethane	0.36		0.20	0.20	ppb v/v			01/24/14 02:05	1
Vinyl chloride	ND		0.20	0.20	ppb v/v			01/24/14 02:05	1
Xylene (total)	ND		0.20	0.20	ppb v/v			01/24/14 02:05	1
Xylene, o-	ND		0.20	0.20	ppb v/v			01/24/14 02:05	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.1	1.1	ug/m3			01/24/14 02:05	1
1,1,2,2-Tetrachloroethane	ND		1.4	1.4	ug/m3			01/24/14 02:05	1
1,1,2-Trichloroethane	ND		1.1	1.1	ug/m3			01/24/14 02:05	1
1,1-Dichloroethane	ND		0.81	0.81	ug/m3			01/24/14 02:05	1
1,1-Dichloroethene	ND		0.79	0.79	ug/m3			01/24/14 02:05	1
1,2,4-Trichlorobenzene	ND		3.7	3.7	ug/m3			01/24/14 02:05	1
1,2,4-Trimethylbenzene	ND		0.98	0.98	ug/m3			01/24/14 02:05	1
1,2-Dibromoethane	ND		1.5	1.5	ug/m3			01/24/14 02:05	1
1,2-Dichlorobenzene	ND		1.2	1.2	ug/m3			01/24/14 02:05	1
1,2-Dichloroethane	ND		0.81	0.81	ug/m3			01/24/14 02:05	1
1,2-Dichloroethene, Total	ND		0.79	0.79	ug/m3			01/24/14 02:05	1
1,2-Dichloropropane	ND		0.92	0.92	ug/m3			01/24/14 02:05	1
1,2-Dichlorotetrafluoroethane	ND		1.4	1.4	ug/m3			01/24/14 02:05	1
1,3,5-Trimethylbenzene	ND		0.98	0.98	ug/m3			01/24/14 02:05	1
1,3-Butadiene	ND		0.44	0.44	ug/m3			01/24/14 02:05	1
1,3-Dichlorobenzene	ND		1.2	1.2	ug/m3			01/24/14 02:05	1
1,4-Dichlorobenzene	ND		1.2	1.2	ug/m3			01/24/14 02:05	1
1,4-Dioxane	ND		18	18	ug/m3			01/24/14 02:05	1
2,2,4-Trimethylpentane	ND		0.93	0.93	ug/m3			01/24/14 02:05	1
2-Chlorotoluene	ND		1.0	1.0	ug/m3			01/24/14 02:05	1
3-Chloropropene	ND		1.6	1.6	ug/m3			01/24/14 02:05	1
4-Ethyltoluene	ND		0.98	0.98	ug/m3			01/24/14 02:05	1
4-Isopropyltoluene	ND		1.1	1.1	ug/m3			01/24/14 02:05	1
Acetone	ND		12	12	ug/m3			01/24/14 02:05	1
Benzene	ND		0.64	0.64	ug/m3			01/24/14 02:05	1
Benzyl chloride	ND		1.0	1.0	ug/m3			01/24/14 02:05	1
Bromodichloromethane	ND		1.3	1.3	ug/m3			01/24/14 02:05	1
Bromoethene(Vinyl Bromide)	ND		0.87	0.87	ug/m3			01/24/14 02:05	1
Bromoform	ND		2.1	2.1	ug/m3			01/24/14 02:05	1
Bromomethane	ND		0.78	0.78	ug/m3			01/24/14 02:05	1
Carbon disulfide	ND		1.6	1.6	ug/m3			01/24/14 02:05	1
Carbon tetrachloride	ND		1.3	1.3	ug/m3			01/24/14 02:05	1
Chlorobenzene	ND		0.92	0.92	ug/m3			01/24/14 02:05	1

TestAmerica Buffalo

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 058507, GM-Lockport Vapor Intrusion

TestAmerica Job ID: 480-53609-1

Client Sample ID: 6VI-7IA-011814

Lab Sample ID: 480-53609-12

Date Collected: 01/18/14 18:14

Matrix: Air

Date Received: 01/21/14 10:15

Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroethane	ND		1.3	1.3	ug/m3			01/24/14 02:05	1
Chloroform	ND		0.98	0.98	ug/m3			01/24/14 02:05	1
Chloromethane	1.4		1.0	1.0	ug/m3			01/24/14 02:05	1
cis-1,2-Dichloroethene	ND		0.79	0.79	ug/m3			01/24/14 02:05	1
cis-1,3-Dichloropropene	ND		0.91	0.91	ug/m3			01/24/14 02:05	1
Cumene	ND		0.98	0.98	ug/m3			01/24/14 02:05	1
Cyclohexane	ND		0.69	0.69	ug/m3			01/24/14 02:05	1
Dibromochloromethane	ND		1.7	1.7	ug/m3			01/24/14 02:05	1
Dichlorodifluoromethane	4.3		2.5	2.5	ug/m3			01/24/14 02:05	1
Ethylbenzene	ND		0.87	0.87	ug/m3			01/24/14 02:05	1
Freon 22	ND		1.8	1.8	ug/m3			01/24/14 02:05	1
Freon TF	ND		1.5	1.5	ug/m3			01/24/14 02:05	1
Hexachlorobutadiene	ND		2.1	2.1	ug/m3			01/24/14 02:05	1
Isopropyl alcohol	16		12	12	ug/m3			01/24/14 02:05	1
m,p-Xylene	ND		2.2	2.2	ug/m3			01/24/14 02:05	1
Methyl Butyl Ketone (2-Hexanone)	ND		2.0	2.0	ug/m3			01/24/14 02:05	1
Methyl Ethyl Ketone	ND		1.5	1.5	ug/m3			01/24/14 02:05	1
methyl isobutyl ketone	ND		2.0	2.0	ug/m3			01/24/14 02:05	1
Methyl methacrylate	ND		2.0	2.0	ug/m3			01/24/14 02:05	1
Methyl tert-butyl ether	ND		0.72	0.72	ug/m3			01/24/14 02:05	1
Methylene Chloride	ND		1.7	1.7	ug/m3			01/24/14 02:05	1
Naphthalene	ND		2.6	2.6	ug/m3			01/24/14 02:05	1
n-Butane	2.2		1.2	1.2	ug/m3			01/24/14 02:05	1
n-Butylbenzene	ND		1.1	1.1	ug/m3			01/24/14 02:05	1
n-Heptane	ND		0.82	0.82	ug/m3			01/24/14 02:05	1
n-Hexane	ND		0.70	0.70	ug/m3			01/24/14 02:05	1
n-Propylbenzene	ND		0.98	0.98	ug/m3			01/24/14 02:05	1
sec-Butylbenzene	ND		1.1	1.1	ug/m3			01/24/14 02:05	1
Styrene	ND		0.85	0.85	ug/m3			01/24/14 02:05	1
tert-Butyl alcohol	ND		15	15	ug/m3			01/24/14 02:05	1
tert-Butylbenzene	ND		1.1	1.1	ug/m3			01/24/14 02:05	1
Tetrachloroethene	6.8		1.4	1.4	ug/m3			01/24/14 02:05	1
Tetrahydrofuran	ND		15	15	ug/m3			01/24/14 02:05	1
Toluene	1.3		0.75	0.75	ug/m3			01/24/14 02:05	1
trans-1,2-Dichloroethene	ND		0.79	0.79	ug/m3			01/24/14 02:05	1
trans-1,3-Dichloropropene	ND		0.91	0.91	ug/m3			01/24/14 02:05	1
Trichloroethene	1.4		1.1	1.1	ug/m3			01/24/14 02:05	1
Trichlorofluoromethane	2.0		1.1	1.1	ug/m3			01/24/14 02:05	1
Vinyl chloride	ND		0.51	0.51	ug/m3			01/24/14 02:05	1
Xylene (total)	ND		0.87	0.87	ug/m3			01/24/14 02:05	1
Xylene, o-	ND		0.87	0.87	ug/m3			01/24/14 02:05	1

TestAmerica Buffalo

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 058507, GM-Lockport Vapor Intrusion

TestAmerica Job ID: 480-53609-1

Client Sample ID: 6VI-7SS-011814

Lab Sample ID: 480-53609-13

Date Collected: 01/18/14 18:13

Matrix: Air

Date Received: 01/21/14 10:15

Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		66	66	ppb v/v			01/24/14 02:53	332
1,1,2,2-Tetrachloroethane	ND		66	66	ppb v/v			01/24/14 02:53	332
1,1,2-Trichloroethane	ND		66	66	ppb v/v			01/24/14 02:53	332
1,1-Dichloroethane	ND		66	66	ppb v/v			01/24/14 02:53	332
1,1-Dichloroethene	ND		66	66	ppb v/v			01/24/14 02:53	332
1,2,4-Trichlorobenzene	ND		170	170	ppb v/v			01/24/14 02:53	332
1,2,4-Trimethylbenzene	ND		66	66	ppb v/v			01/24/14 02:53	332
1,2-Dibromoethane	ND		66	66	ppb v/v			01/24/14 02:53	332
1,2-Dichlorobenzene	ND		66	66	ppb v/v			01/24/14 02:53	332
1,2-Dichloroethane	ND		66	66	ppb v/v			01/24/14 02:53	332
1,2-Dichloroethene, Total	3200		66	66	ppb v/v			01/24/14 02:53	332
1,2-Dichloropropane	ND		66	66	ppb v/v			01/24/14 02:53	332
1,2-Dichlorotetrafluoroethane	ND		66	66	ppb v/v			01/24/14 02:53	332
1,3,5-Trimethylbenzene	ND		66	66	ppb v/v			01/24/14 02:53	332
1,3-Butadiene	ND		66	66	ppb v/v			01/24/14 02:53	332
1,3-Dichlorobenzene	ND		66	66	ppb v/v			01/24/14 02:53	332
1,4-Dichlorobenzene	ND		66	66	ppb v/v			01/24/14 02:53	332
1,4-Dioxane	ND		1700	1700	ppb v/v			01/24/14 02:53	332
2,2,4-Trimethylpentane	ND		66	66	ppb v/v			01/24/14 02:53	332
2-Chlorotoluene	ND		66	66	ppb v/v			01/24/14 02:53	332
3-Chloropropene	ND		170	170	ppb v/v			01/24/14 02:53	332
4-Ethyltoluene	ND		66	66	ppb v/v			01/24/14 02:53	332
4-Isopropyltoluene	ND		66	66	ppb v/v			01/24/14 02:53	332
Acetone	ND		1700	1700	ppb v/v			01/24/14 02:53	332
Benzene	ND		66	66	ppb v/v			01/24/14 02:53	332
Benzyl chloride	ND		66	66	ppb v/v			01/24/14 02:53	332
Bromodichloromethane	ND		66	66	ppb v/v			01/24/14 02:53	332
Bromoethene(Vinyl Bromide)	ND		66	66	ppb v/v			01/24/14 02:53	332
Bromoform	ND		66	66	ppb v/v			01/24/14 02:53	332
Bromomethane	ND		66	66	ppb v/v			01/24/14 02:53	332
Carbon disulfide	ND		170	170	ppb v/v			01/24/14 02:53	332
Carbon tetrachloride	ND		66	66	ppb v/v			01/24/14 02:53	332
Chlorobenzene	ND		66	66	ppb v/v			01/24/14 02:53	332
Chloroethane	ND		170	170	ppb v/v			01/24/14 02:53	332
Chloroform	ND		66	66	ppb v/v			01/24/14 02:53	332
Chloromethane	ND		170	170	ppb v/v			01/24/14 02:53	332
cis-1,2-Dichloroethene	3000		66	66	ppb v/v			01/24/14 02:53	332
cis-1,3-Dichloropropene	ND		66	66	ppb v/v			01/24/14 02:53	332
Cumene	ND		66	66	ppb v/v			01/24/14 02:53	332
Cyclohexane	ND		66	66	ppb v/v			01/24/14 02:53	332
Dibromochloromethane	ND		66	66	ppb v/v			01/24/14 02:53	332
Dichlorodifluoromethane	ND		170	170	ppb v/v			01/24/14 02:53	332
Ethylbenzene	ND		66	66	ppb v/v			01/24/14 02:53	332
Freon 22	ND		170	170	ppb v/v			01/24/14 02:53	332
Freon TF	170		66	66	ppb v/v			01/24/14 02:53	332
Hexachlorobutadiene	ND		66	66	ppb v/v			01/24/14 02:53	332
Isopropyl alcohol	ND		1700	1700	ppb v/v			01/24/14 02:53	332
m,p-Xylene	ND		170	170	ppb v/v			01/24/14 02:53	332

TestAmerica Buffalo

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 058507, GM-Lockport Vapor Intrusion

TestAmerica Job ID: 480-53609-1

Client Sample ID: 6VI-7SS-011814

Lab Sample ID: 480-53609-13

Date Collected: 01/18/14 18:13

Matrix: Air

Date Received: 01/21/14 10:15

Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Butyl Ketone (2-Hexanone)	ND		170	170	ppb v/v			01/24/14 02:53	332
Methyl Ethyl Ketone	ND		170	170	ppb v/v			01/24/14 02:53	332
methyl isobutyl ketone	ND		170	170	ppb v/v			01/24/14 02:53	332
Methyl methacrylate	ND		170	170	ppb v/v			01/24/14 02:53	332
Methyl tert-butyl ether	ND		66	66	ppb v/v			01/24/14 02:53	332
Methylene Chloride	ND		170	170	ppb v/v			01/24/14 02:53	332
Naphthalene	ND		170	170	ppb v/v			01/24/14 02:53	332
n-Butane	ND		170	170	ppb v/v			01/24/14 02:53	332
n-Butylbenzene	ND		66	66	ppb v/v			01/24/14 02:53	332
n-Heptane	ND		66	66	ppb v/v			01/24/14 02:53	332
n-Hexane	ND		66	66	ppb v/v			01/24/14 02:53	332
n-Propylbenzene	ND		66	66	ppb v/v			01/24/14 02:53	332
sec-Butylbenzene	ND		66	66	ppb v/v			01/24/14 02:53	332
Styrene	ND		66	66	ppb v/v			01/24/14 02:53	332
tert-Butyl alcohol	ND		1700	1700	ppb v/v			01/24/14 02:53	332
tert-Butylbenzene	ND		66	66	ppb v/v			01/24/14 02:53	332
Tetrachloroethene	6600		66	66	ppb v/v			01/24/14 02:53	332
Tetrahydrofuran	ND		1700	1700	ppb v/v			01/24/14 02:53	332
Toluene	ND		66	66	ppb v/v			01/24/14 02:53	332
trans-1,2-Dichloroethene	180		66	66	ppb v/v			01/24/14 02:53	332
trans-1,3-Dichloropropene	ND		66	66	ppb v/v			01/24/14 02:53	332
Trichloroethene	1500		66	66	ppb v/v			01/24/14 02:53	332
Trichlorofluoromethane	ND		66	66	ppb v/v			01/24/14 02:53	332
Vinyl chloride	ND		66	66	ppb v/v			01/24/14 02:53	332
Xylene (total)	ND		66	66	ppb v/v			01/24/14 02:53	332
Xylene, o-	ND		66	66	ppb v/v			01/24/14 02:53	332
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		360	360	ug/m3			01/24/14 02:53	332
1,1,2,2-Tetrachloroethane	ND		460	460	ug/m3			01/24/14 02:53	332
1,1,2-Trichloroethane	ND		360	360	ug/m3			01/24/14 02:53	332
1,1-Dichloroethane	ND		270	270	ug/m3			01/24/14 02:53	332
1,1-Dichloroethene	ND		260	260	ug/m3			01/24/14 02:53	332
1,2,4-Trichlorobenzene	ND		1200	1200	ug/m3			01/24/14 02:53	332
1,2,4-Trimethylbenzene	ND		330	330	ug/m3			01/24/14 02:53	332
1,2-Dibromoethane	ND		510	510	ug/m3			01/24/14 02:53	332
1,2-Dichlorobenzene	ND		400	400	ug/m3			01/24/14 02:53	332
1,2-Dichloroethane	ND		270	270	ug/m3			01/24/14 02:53	332
1,2-Dichloroethene, Total	13000		260	260	ug/m3			01/24/14 02:53	332
1,2-Dichloropropane	ND		310	310	ug/m3			01/24/14 02:53	332
1,2-Dichlorotetrafluoroethane	ND		460	460	ug/m3			01/24/14 02:53	332
1,3,5-Trimethylbenzene	ND		330	330	ug/m3			01/24/14 02:53	332
1,3-Butadiene	ND		150	150	ug/m3			01/24/14 02:53	332
1,3-Dichlorobenzene	ND		400	400	ug/m3			01/24/14 02:53	332
1,4-Dichlorobenzene	ND		400	400	ug/m3			01/24/14 02:53	332
1,4-Dioxane	ND		6000	6000	ug/m3			01/24/14 02:53	332
2,2,4-Trimethylpentane	ND		310	310	ug/m3			01/24/14 02:53	332
2-Chlorotoluene	ND		340	340	ug/m3			01/24/14 02:53	332
3-Chloropropene	ND		520	520	ug/m3			01/24/14 02:53	332

TestAmerica Buffalo

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 058507, GM-Lockport Vapor Intrusion

TestAmerica Job ID: 480-53609-1

Client Sample ID: 6VI-7SS-011814

Lab Sample ID: 480-53609-13

Date Collected: 01/18/14 18:13

Matrix: Air

Date Received: 01/21/14 10:15

Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
4-Ethyltoluene	ND		330	330	ug/m3			01/24/14 02:53	332
4-Isopropyltoluene	ND		360	360	ug/m3			01/24/14 02:53	332
Acetone	ND		3900	3900	ug/m3			01/24/14 02:53	332
Benzene	ND		210	210	ug/m3			01/24/14 02:53	332
Benzyl chloride	ND		340	340	ug/m3			01/24/14 02:53	332
Bromodichloromethane	ND		440	440	ug/m3			01/24/14 02:53	332
Bromoethene(Vinyl Bromide)	ND		290	290	ug/m3			01/24/14 02:53	332
Bromoform	ND		690	690	ug/m3			01/24/14 02:53	332
Bromomethane	ND		260	260	ug/m3			01/24/14 02:53	332
Carbon disulfide	ND		520	520	ug/m3			01/24/14 02:53	332
Carbon tetrachloride	ND		420	420	ug/m3			01/24/14 02:53	332
Chlorobenzene	ND		310	310	ug/m3			01/24/14 02:53	332
Chloroethane	ND		440	440	ug/m3			01/24/14 02:53	332
Chloroform	ND		320	320	ug/m3			01/24/14 02:53	332
Chloromethane	ND		340	340	ug/m3			01/24/14 02:53	332
cis-1,2-Dichloroethene	12000		260	260	ug/m3			01/24/14 02:53	332
cis-1,3-Dichloropropene	ND		300	300	ug/m3			01/24/14 02:53	332
Cumene	ND		330	330	ug/m3			01/24/14 02:53	332
Cyclohexane	ND		230	230	ug/m3			01/24/14 02:53	332
Dibromochloromethane	ND		570	570	ug/m3			01/24/14 02:53	332
Dichlorodifluoromethane	ND		820	820	ug/m3			01/24/14 02:53	332
Ethylbenzene	ND		290	290	ug/m3			01/24/14 02:53	332
Freon 22	ND		590	590	ug/m3			01/24/14 02:53	332
Freon TF	1300		510	510	ug/m3			01/24/14 02:53	332
Hexachlorobutadiene	ND		710	710	ug/m3			01/24/14 02:53	332
Isopropyl alcohol	ND		4100	4100	ug/m3			01/24/14 02:53	332
m,p-Xylene	ND		720	720	ug/m3			01/24/14 02:53	332
Methyl Butyl Ketone (2-Hexanone)	ND		680	680	ug/m3			01/24/14 02:53	332
Methyl Ethyl Ketone	ND		490	490	ug/m3			01/24/14 02:53	332
methyl isobutyl ketone	ND		680	680	ug/m3			01/24/14 02:53	332
Methyl methacrylate	ND		680	680	ug/m3			01/24/14 02:53	332
Methyl tert-butyl ether	ND		240	240	ug/m3			01/24/14 02:53	332
Methylene Chloride	ND		580	580	ug/m3			01/24/14 02:53	332
Naphthalene	ND		870	870	ug/m3			01/24/14 02:53	332
n-Butane	ND		390	390	ug/m3			01/24/14 02:53	332
n-Butylbenzene	ND		360	360	ug/m3			01/24/14 02:53	332
n-Heptane	ND		270	270	ug/m3			01/24/14 02:53	332
n-Hexane	ND		230	230	ug/m3			01/24/14 02:53	332
n-Propylbenzene	ND		330	330	ug/m3			01/24/14 02:53	332
sec-Butylbenzene	ND		360	360	ug/m3			01/24/14 02:53	332
Styrene	ND		280	280	ug/m3			01/24/14 02:53	332
tert-Butyl alcohol	ND		5000	5000	ug/m3			01/24/14 02:53	332
tert-Butylbenzene	ND		360	360	ug/m3			01/24/14 02:53	332
Tetrachloroethene	45000		450	450	ug/m3			01/24/14 02:53	332
Tetrahydrofuran	ND		4900	4900	ug/m3			01/24/14 02:53	332
Toluene	ND		250	250	ug/m3			01/24/14 02:53	332
trans-1,2-Dichloroethene	720		260	260	ug/m3			01/24/14 02:53	332
trans-1,3-Dichloropropene	ND		300	300	ug/m3			01/24/14 02:53	332

TestAmerica Buffalo

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 058507, GM-Lockport Vapor Intrusion

TestAmerica Job ID: 480-53609-1

Client Sample ID: 6VI-7SS-011814

Lab Sample ID: 480-53609-13

Date Collected: 01/18/14 18:13

Matrix: Air

Date Received: 01/21/14 10:15

Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	8000		360	360	ug/m3			01/24/14 02:53	332
Trichlorofluoromethane	ND		370	370	ug/m3			01/24/14 02:53	332
Vinyl chloride	ND		170	170	ug/m3			01/24/14 02:53	332
Xylene (total)	ND		290	290	ug/m3			01/24/14 02:53	332
Xylene, o-	ND		290	290	ug/m3			01/24/14 02:53	332

Client Sample ID: 6VI-8IA-011814

Lab Sample ID: 480-53609-14

Date Collected: 01/18/14 18:18

Matrix: Air

Date Received: 01/21/14 10:15

Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.25	0.25	ppb v/v			01/24/14 03:43	1.27
1,1,2,2-Tetrachloroethane	ND		0.25	0.25	ppb v/v			01/24/14 03:43	1.27
1,1,2-Trichloroethane	ND		0.25	0.25	ppb v/v			01/24/14 03:43	1.27
1,1-Dichloroethane	ND		0.25	0.25	ppb v/v			01/24/14 03:43	1.27
1,1-Dichloroethene	ND		0.25	0.25	ppb v/v			01/24/14 03:43	1.27
1,2,4-Trichlorobenzene	ND		0.64	0.64	ppb v/v			01/24/14 03:43	1.27
1,2,4-Trimethylbenzene	ND		0.25	0.25	ppb v/v			01/24/14 03:43	1.27
1,2-Dibromoethane	ND		0.25	0.25	ppb v/v			01/24/14 03:43	1.27
1,2-Dichlorobenzene	ND		0.25	0.25	ppb v/v			01/24/14 03:43	1.27
1,2-Dichloroethane	ND		0.25	0.25	ppb v/v			01/24/14 03:43	1.27
1,2-Dichloroethene, Total	ND		0.25	0.25	ppb v/v			01/24/14 03:43	1.27
1,2-Dichloropropane	ND		0.25	0.25	ppb v/v			01/24/14 03:43	1.27
1,2-Dichlorotetrafluoroethane	ND		0.25	0.25	ppb v/v			01/24/14 03:43	1.27
1,3,5-Trimethylbenzene	ND		0.25	0.25	ppb v/v			01/24/14 03:43	1.27
1,3-Butadiene	ND		0.25	0.25	ppb v/v			01/24/14 03:43	1.27
1,3-Dichlorobenzene	ND		0.25	0.25	ppb v/v			01/24/14 03:43	1.27
1,4-Dichlorobenzene	ND		0.25	0.25	ppb v/v			01/24/14 03:43	1.27
1,4-Dioxane	ND		6.4	6.4	ppb v/v			01/24/14 03:43	1.27
2,2,4-Trimethylpentane	ND		0.25	0.25	ppb v/v			01/24/14 03:43	1.27
2-Chlorotoluene	ND		0.25	0.25	ppb v/v			01/24/14 03:43	1.27
3-Chloropropene	ND		0.64	0.64	ppb v/v			01/24/14 03:43	1.27
4-Ethyltoluene	ND		0.25	0.25	ppb v/v			01/24/14 03:43	1.27
4-Isopropyltoluene	ND		0.25	0.25	ppb v/v			01/24/14 03:43	1.27
Acetone	ND		6.4	6.4	ppb v/v			01/24/14 03:43	1.27
Benzene	ND		0.25	0.25	ppb v/v			01/24/14 03:43	1.27
Benzyl chloride	ND		0.25	0.25	ppb v/v			01/24/14 03:43	1.27
Bromodichloromethane	ND		0.25	0.25	ppb v/v			01/24/14 03:43	1.27
Bromoethene(Vinyl Bromide)	ND		0.25	0.25	ppb v/v			01/24/14 03:43	1.27
Bromoform	ND		0.25	0.25	ppb v/v			01/24/14 03:43	1.27
Bromomethane	ND		0.25	0.25	ppb v/v			01/24/14 03:43	1.27
Carbon disulfide	ND		0.64	0.64	ppb v/v			01/24/14 03:43	1.27
Carbon tetrachloride	ND		0.25	0.25	ppb v/v			01/24/14 03:43	1.27
Chlorobenzene	ND		0.25	0.25	ppb v/v			01/24/14 03:43	1.27
Chloroethane	ND		0.64	0.64	ppb v/v			01/24/14 03:43	1.27
Chloroform	ND		0.25	0.25	ppb v/v			01/24/14 03:43	1.27
Chloromethane	0.64		0.64	0.64	ppb v/v			01/24/14 03:43	1.27

TestAmerica Buffalo

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 058507, GM-Lockport Vapor Intrusion

TestAmerica Job ID: 480-53609-1

Client Sample ID: 6VI-8IA-011814

Lab Sample ID: 480-53609-14

Date Collected: 01/18/14 18:18

Matrix: Air

Date Received: 01/21/14 10:15

Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	ND		0.25	0.25	ppb v/v			01/24/14 03:43	1.27
cis-1,3-Dichloropropene	ND		0.25	0.25	ppb v/v			01/24/14 03:43	1.27
Cumene	ND		0.25	0.25	ppb v/v			01/24/14 03:43	1.27
Cyclohexane	ND		0.25	0.25	ppb v/v			01/24/14 03:43	1.27
Dibromochloromethane	ND		0.25	0.25	ppb v/v			01/24/14 03:43	1.27
Dichlorodifluoromethane	1.6		0.64	0.64	ppb v/v			01/24/14 03:43	1.27
Ethylbenzene	ND		0.25	0.25	ppb v/v			01/24/14 03:43	1.27
Freon 22	ND		0.64	0.64	ppb v/v			01/24/14 03:43	1.27
Freon TF	ND		0.25	0.25	ppb v/v			01/24/14 03:43	1.27
Hexachlorobutadiene	ND		0.25	0.25	ppb v/v			01/24/14 03:43	1.27
Isopropyl alcohol	ND		6.4	6.4	ppb v/v			01/24/14 03:43	1.27
m,p-Xylene	ND		0.64	0.64	ppb v/v			01/24/14 03:43	1.27
Methyl Butyl Ketone (2-Hexanone)	ND		0.64	0.64	ppb v/v			01/24/14 03:43	1.27
Methyl Ethyl Ketone	ND		0.64	0.64	ppb v/v			01/24/14 03:43	1.27
methyl isobutyl ketone	ND		0.64	0.64	ppb v/v			01/24/14 03:43	1.27
Methyl methacrylate	ND		0.64	0.64	ppb v/v			01/24/14 03:43	1.27
Methyl tert-butyl ether	ND		0.25	0.25	ppb v/v			01/24/14 03:43	1.27
Methylene Chloride	ND		0.64	0.64	ppb v/v			01/24/14 03:43	1.27
Naphthalene	ND		0.64	0.64	ppb v/v			01/24/14 03:43	1.27
n-Butane	0.95		0.64	0.64	ppb v/v			01/24/14 03:43	1.27
n-Butylbenzene	ND		0.25	0.25	ppb v/v			01/24/14 03:43	1.27
n-Heptane	ND		0.25	0.25	ppb v/v			01/24/14 03:43	1.27
n-Hexane	ND		0.25	0.25	ppb v/v			01/24/14 03:43	1.27
n-Propylbenzene	ND		0.25	0.25	ppb v/v			01/24/14 03:43	1.27
sec-Butylbenzene	ND		0.25	0.25	ppb v/v			01/24/14 03:43	1.27
Styrene	ND		0.25	0.25	ppb v/v			01/24/14 03:43	1.27
tert-Butyl alcohol	ND		6.4	6.4	ppb v/v			01/24/14 03:43	1.27
tert-Butylbenzene	ND		0.25	0.25	ppb v/v			01/24/14 03:43	1.27
Tetrachloroethene	ND		0.25	0.25	ppb v/v			01/24/14 03:43	1.27
Tetrahydrofuran	ND		6.4	6.4	ppb v/v			01/24/14 03:43	1.27
Toluene	0.32		0.25	0.25	ppb v/v			01/24/14 03:43	1.27
trans-1,2-Dichloroethene	ND		0.25	0.25	ppb v/v			01/24/14 03:43	1.27
trans-1,3-Dichloropropene	ND		0.25	0.25	ppb v/v			01/24/14 03:43	1.27
Trichloroethene	ND		0.25	0.25	ppb v/v			01/24/14 03:43	1.27
Trichlorofluoromethane	0.71		0.25	0.25	ppb v/v			01/24/14 03:43	1.27
Vinyl chloride	ND		0.25	0.25	ppb v/v			01/24/14 03:43	1.27
Xylene (total)	ND		0.25	0.25	ppb v/v			01/24/14 03:43	1.27
Xylene, o-	ND		0.25	0.25	ppb v/v			01/24/14 03:43	1.27

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.4	1.4	ug/m3			01/24/14 03:43	1.27
1,1,2,2-Tetrachloroethane	ND		1.7	1.7	ug/m3			01/24/14 03:43	1.27
1,1,2-Trichloroethane	ND		1.4	1.4	ug/m3			01/24/14 03:43	1.27
1,1-Dichloroethane	ND		1.0	1.0	ug/m3			01/24/14 03:43	1.27
1,1-Dichloroethene	ND		1.0	1.0	ug/m3			01/24/14 03:43	1.27
1,2,4-Trichlorobenzene	ND		4.7	4.7	ug/m3			01/24/14 03:43	1.27
1,2,4-Trimethylbenzene	ND		1.2	1.2	ug/m3			01/24/14 03:43	1.27
1,2-Dibromoethane	ND		2.0	2.0	ug/m3			01/24/14 03:43	1.27
1,2-Dichlorobenzene	ND		1.5	1.5	ug/m3			01/24/14 03:43	1.27

TestAmerica Buffalo

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 058507, GM-Lockport Vapor Intrusion

TestAmerica Job ID: 480-53609-1

Client Sample ID: 6VI-8IA-011814

Lab Sample ID: 480-53609-14

Date Collected: 01/18/14 18:18

Matrix: Air

Date Received: 01/21/14 10:15

Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		1.0	1.0	ug/m3			01/24/14 03:43	1.27
1,2-Dichloroethene, Total	ND		1.0	1.0	ug/m3			01/24/14 03:43	1.27
1,2-Dichloropropane	ND		1.2	1.2	ug/m3			01/24/14 03:43	1.27
1,2-Dichlorotetrafluoroethane	ND		1.8	1.8	ug/m3			01/24/14 03:43	1.27
1,3,5-Trimethylbenzene	ND		1.2	1.2	ug/m3			01/24/14 03:43	1.27
1,3-Butadiene	ND		0.56	0.56	ug/m3			01/24/14 03:43	1.27
1,3-Dichlorobenzene	ND		1.5	1.5	ug/m3			01/24/14 03:43	1.27
1,4-Dichlorobenzene	ND		1.5	1.5	ug/m3			01/24/14 03:43	1.27
1,4-Dioxane	ND		23	23	ug/m3			01/24/14 03:43	1.27
2,2,4-Trimethylpentane	ND		1.2	1.2	ug/m3			01/24/14 03:43	1.27
2-Chlorotoluene	ND		1.3	1.3	ug/m3			01/24/14 03:43	1.27
3-Chloropropene	ND		2.0	2.0	ug/m3			01/24/14 03:43	1.27
4-Ethyltoluene	ND		1.2	1.2	ug/m3			01/24/14 03:43	1.27
4-Isopropyltoluene	ND		1.4	1.4	ug/m3			01/24/14 03:43	1.27
Acetone	ND		15	15	ug/m3			01/24/14 03:43	1.27
Benzene	ND		0.81	0.81	ug/m3			01/24/14 03:43	1.27
Benzyl chloride	ND		1.3	1.3	ug/m3			01/24/14 03:43	1.27
Bromodichloromethane	ND		1.7	1.7	ug/m3			01/24/14 03:43	1.27
Bromoethene(Vinyl Bromide)	ND		1.1	1.1	ug/m3			01/24/14 03:43	1.27
Bromoform	ND		2.6	2.6	ug/m3			01/24/14 03:43	1.27
Bromomethane	ND		0.99	0.99	ug/m3			01/24/14 03:43	1.27
Carbon disulfide	ND		2.0	2.0	ug/m3			01/24/14 03:43	1.27
Carbon tetrachloride	ND		1.6	1.6	ug/m3			01/24/14 03:43	1.27
Chlorobenzene	ND		1.2	1.2	ug/m3			01/24/14 03:43	1.27
Chloroethane	ND		1.7	1.7	ug/m3			01/24/14 03:43	1.27
Chloroform	ND		1.2	1.2	ug/m3			01/24/14 03:43	1.27
Chloromethane	1.3		1.3	1.3	ug/m3			01/24/14 03:43	1.27
cis-1,2-Dichloroethene	ND		1.0	1.0	ug/m3			01/24/14 03:43	1.27
cis-1,3-Dichloropropene	ND		1.2	1.2	ug/m3			01/24/14 03:43	1.27
Cumene	ND		1.2	1.2	ug/m3			01/24/14 03:43	1.27
Cyclohexane	ND		0.87	0.87	ug/m3			01/24/14 03:43	1.27
Dibromochloromethane	ND		2.2	2.2	ug/m3			01/24/14 03:43	1.27
Dichlorodifluoromethane	7.8		3.1	3.1	ug/m3			01/24/14 03:43	1.27
Ethylbenzene	ND		1.1	1.1	ug/m3			01/24/14 03:43	1.27
Freon 22	ND		2.2	2.2	ug/m3			01/24/14 03:43	1.27
Freon TF	ND		1.9	1.9	ug/m3			01/24/14 03:43	1.27
Hexachlorobutadiene	ND		2.7	2.7	ug/m3			01/24/14 03:43	1.27
Isopropyl alcohol	ND		16	16	ug/m3			01/24/14 03:43	1.27
m,p-Xylene	ND		2.8	2.8	ug/m3			01/24/14 03:43	1.27
Methyl Butyl Ketone (2-Hexanone)	ND		2.6	2.6	ug/m3			01/24/14 03:43	1.27
Methyl Ethyl Ketone	ND		1.9	1.9	ug/m3			01/24/14 03:43	1.27
methyl isobutyl ketone	ND		2.6	2.6	ug/m3			01/24/14 03:43	1.27
Methyl methacrylate	ND		2.6	2.6	ug/m3			01/24/14 03:43	1.27
Methyl tert-butyl ether	ND		0.92	0.92	ug/m3			01/24/14 03:43	1.27
Methylene Chloride	ND		2.2	2.2	ug/m3			01/24/14 03:43	1.27
Naphthalene	ND		3.3	3.3	ug/m3			01/24/14 03:43	1.27
n-Butane	2.3		1.5	1.5	ug/m3			01/24/14 03:43	1.27
n-Butylbenzene	ND		1.4	1.4	ug/m3			01/24/14 03:43	1.27

TestAmerica Buffalo

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 058507, GM-Lockport Vapor Intrusion

TestAmerica Job ID: 480-53609-1

Client Sample ID: 6VI-8IA-011814

Lab Sample ID: 480-53609-14

Date Collected: 01/18/14 18:18

Matrix: Air

Date Received: 01/21/14 10:15

Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
n-Heptane	ND		1.0	1.0	ug/m3			01/24/14 03:43	1.27
n-Hexane	ND		0.90	0.90	ug/m3			01/24/14 03:43	1.27
n-Propylbenzene	ND		1.2	1.2	ug/m3			01/24/14 03:43	1.27
sec-Butylbenzene	ND		1.4	1.4	ug/m3			01/24/14 03:43	1.27
Styrene	ND		1.1	1.1	ug/m3			01/24/14 03:43	1.27
tert-Butyl alcohol	ND		19	19	ug/m3			01/24/14 03:43	1.27
tert-Butylbenzene	ND		1.4	1.4	ug/m3			01/24/14 03:43	1.27
Tetrachloroethene	ND		1.7	1.7	ug/m3			01/24/14 03:43	1.27
Tetrahydrofuran	ND		19	19	ug/m3			01/24/14 03:43	1.27
Toluene	1.2		0.96	0.96	ug/m3			01/24/14 03:43	1.27
trans-1,2-Dichloroethene	ND		1.0	1.0	ug/m3			01/24/14 03:43	1.27
trans-1,3-Dichloropropene	ND		1.2	1.2	ug/m3			01/24/14 03:43	1.27
Trichloroethene	ND		1.4	1.4	ug/m3			01/24/14 03:43	1.27
Trichlorofluoromethane	4.0		1.4	1.4	ug/m3			01/24/14 03:43	1.27
Vinyl chloride	ND		0.65	0.65	ug/m3			01/24/14 03:43	1.27
Xylene (total)	ND		1.1	1.1	ug/m3			01/24/14 03:43	1.27
Xylene, o-	ND		1.1	1.1	ug/m3			01/24/14 03:43	1.27

Client Sample ID: 6VI-OAI-011814

Lab Sample ID: 480-53609-15

Date Collected: 01/18/14 17:10

Matrix: Air

Date Received: 01/21/14 10:15

Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.20	0.20	ppb v/v			01/24/14 04:32	1
1,1,1,2-Tetrachloroethane	ND		0.20	0.20	ppb v/v			01/24/14 04:32	1
1,1,2-Trichloroethane	ND		0.20	0.20	ppb v/v			01/24/14 04:32	1
1,1-Dichloroethane	ND		0.20	0.20	ppb v/v			01/24/14 04:32	1
1,1-Dichloroethene	ND		0.20	0.20	ppb v/v			01/24/14 04:32	1
1,2,4-Trichlorobenzene	ND		0.50	0.50	ppb v/v			01/24/14 04:32	1
1,2,4-Trimethylbenzene	ND		0.20	0.20	ppb v/v			01/24/14 04:32	1
1,2-Dibromoethane	ND		0.20	0.20	ppb v/v			01/24/14 04:32	1
1,2-Dichlorobenzene	ND		0.20	0.20	ppb v/v			01/24/14 04:32	1
1,2-Dichloroethane	ND		0.20	0.20	ppb v/v			01/24/14 04:32	1
1,2-Dichloroethene, Total	ND		0.20	0.20	ppb v/v			01/24/14 04:32	1
1,2-Dichloropropane	ND		0.20	0.20	ppb v/v			01/24/14 04:32	1
1,2-Dichlorotetrafluoroethane	ND		0.20	0.20	ppb v/v			01/24/14 04:32	1
1,3,5-Trimethylbenzene	ND		0.20	0.20	ppb v/v			01/24/14 04:32	1
1,3-Butadiene	ND		0.20	0.20	ppb v/v			01/24/14 04:32	1
1,3-Dichlorobenzene	ND		0.20	0.20	ppb v/v			01/24/14 04:32	1
1,4-Dichlorobenzene	ND		0.20	0.20	ppb v/v			01/24/14 04:32	1
1,4-Dioxane	ND		5.0	5.0	ppb v/v			01/24/14 04:32	1
2,2,4-Trimethylpentane	ND		0.20	0.20	ppb v/v			01/24/14 04:32	1
2-Chlorotoluene	ND		0.20	0.20	ppb v/v			01/24/14 04:32	1
3-Chloropropene	ND		0.50	0.50	ppb v/v			01/24/14 04:32	1
4-Ethyltoluene	ND		0.20	0.20	ppb v/v			01/24/14 04:32	1
4-Isopropyltoluene	ND		0.20	0.20	ppb v/v			01/24/14 04:32	1
Acetone	ND		5.0	5.0	ppb v/v			01/24/14 04:32	1

TestAmerica Buffalo

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 058507, GM-Lockport Vapor Intrusion

TestAmerica Job ID: 480-53609-1

Client Sample ID: 6VI-OAI-011814

Lab Sample ID: 480-53609-15

Date Collected: 01/18/14 17:10

Matrix: Air

Date Received: 01/21/14 10:15

Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.20	0.20	ppb v/v			01/24/14 04:32	1
Benzyl chloride	ND		0.20	0.20	ppb v/v			01/24/14 04:32	1
Bromodichloromethane	ND		0.20	0.20	ppb v/v			01/24/14 04:32	1
Bromoethene(Vinyl Bromide)	ND		0.20	0.20	ppb v/v			01/24/14 04:32	1
Bromoform	ND		0.20	0.20	ppb v/v			01/24/14 04:32	1
Bromomethane	ND		0.20	0.20	ppb v/v			01/24/14 04:32	1
Carbon disulfide	ND		0.50	0.50	ppb v/v			01/24/14 04:32	1
Carbon tetrachloride	ND		0.20	0.20	ppb v/v			01/24/14 04:32	1
Chlorobenzene	ND		0.20	0.20	ppb v/v			01/24/14 04:32	1
Chloroethane	ND		0.50	0.50	ppb v/v			01/24/14 04:32	1
Chloroform	ND		0.20	0.20	ppb v/v			01/24/14 04:32	1
Chloromethane	ND		0.50	0.50	ppb v/v			01/24/14 04:32	1
cis-1,2-Dichloroethene	ND		0.20	0.20	ppb v/v			01/24/14 04:32	1
cis-1,3-Dichloropropene	ND		0.20	0.20	ppb v/v			01/24/14 04:32	1
Cumene	ND		0.20	0.20	ppb v/v			01/24/14 04:32	1
Cyclohexane	ND		0.20	0.20	ppb v/v			01/24/14 04:32	1
Dibromochloromethane	ND		0.20	0.20	ppb v/v			01/24/14 04:32	1
Dichlorodifluoromethane	ND		0.50	0.50	ppb v/v			01/24/14 04:32	1
Ethylbenzene	ND		0.20	0.20	ppb v/v			01/24/14 04:32	1
Freon 22	ND		0.50	0.50	ppb v/v			01/24/14 04:32	1
Freon TF	ND		0.20	0.20	ppb v/v			01/24/14 04:32	1
Hexachlorobutadiene	ND		0.20	0.20	ppb v/v			01/24/14 04:32	1
Isopropyl alcohol	ND		5.0	5.0	ppb v/v			01/24/14 04:32	1
m,p-Xylene	ND		0.50	0.50	ppb v/v			01/24/14 04:32	1
Methyl Butyl Ketone (2-Hexanone)	ND		0.50	0.50	ppb v/v			01/24/14 04:32	1
Methyl Ethyl Ketone	ND		0.50	0.50	ppb v/v			01/24/14 04:32	1
methyl isobutyl ketone	ND		0.50	0.50	ppb v/v			01/24/14 04:32	1
Methyl methacrylate	ND		0.50	0.50	ppb v/v			01/24/14 04:32	1
Methyl tert-butyl ether	ND		0.20	0.20	ppb v/v			01/24/14 04:32	1
Methylene Chloride	ND		0.50	0.50	ppb v/v			01/24/14 04:32	1
Naphthalene	ND		0.50	0.50	ppb v/v			01/24/14 04:32	1
n-Butane	ND		0.50	0.50	ppb v/v			01/24/14 04:32	1
n-Butylbenzene	ND		0.20	0.20	ppb v/v			01/24/14 04:32	1
n-Heptane	ND		0.20	0.20	ppb v/v			01/24/14 04:32	1
n-Hexane	ND		0.20	0.20	ppb v/v			01/24/14 04:32	1
n-Propylbenzene	ND		0.20	0.20	ppb v/v			01/24/14 04:32	1
sec-Butylbenzene	ND		0.20	0.20	ppb v/v			01/24/14 04:32	1
Styrene	ND		0.20	0.20	ppb v/v			01/24/14 04:32	1
tert-Butyl alcohol	ND		5.0	5.0	ppb v/v			01/24/14 04:32	1
tert-Butylbenzene	ND		0.20	0.20	ppb v/v			01/24/14 04:32	1
Tetrachloroethene	ND		0.20	0.20	ppb v/v			01/24/14 04:32	1
Tetrahydrofuran	ND		5.0	5.0	ppb v/v			01/24/14 04:32	1
Toluene	ND		0.20	0.20	ppb v/v			01/24/14 04:32	1
trans-1,2-Dichloroethene	ND		0.20	0.20	ppb v/v			01/24/14 04:32	1
trans-1,3-Dichloropropene	ND		0.20	0.20	ppb v/v			01/24/14 04:32	1
Trichloroethene	ND		0.20	0.20	ppb v/v			01/24/14 04:32	1
Trichlorofluoromethane	0.23		0.20	0.20	ppb v/v			01/24/14 04:32	1
Vinyl chloride	ND		0.20	0.20	ppb v/v			01/24/14 04:32	1

TestAmerica Buffalo

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 058507, GM-Lockport Vapor Intrusion

TestAmerica Job ID: 480-53609-1

Client Sample ID: 6VI-OAI-011814

Lab Sample ID: 480-53609-15

Date Collected: 01/18/14 17:10

Matrix: Air

Date Received: 01/21/14 10:15

Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Xylene (total)	ND		0.20	0.20	ppb v/v			01/24/14 04:32	1
Xylene, o-	ND		0.20	0.20	ppb v/v			01/24/14 04:32	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.1	1.1	ug/m3			01/24/14 04:32	1
1,1,2,2-Tetrachloroethane	ND		1.4	1.4	ug/m3			01/24/14 04:32	1
1,1,2-Trichloroethane	ND		1.1	1.1	ug/m3			01/24/14 04:32	1
1,1-Dichloroethane	ND		0.81	0.81	ug/m3			01/24/14 04:32	1
1,1-Dichloroethene	ND		0.79	0.79	ug/m3			01/24/14 04:32	1
1,2,4-Trichlorobenzene	ND		3.7	3.7	ug/m3			01/24/14 04:32	1
1,2,4-Trimethylbenzene	ND		0.98	0.98	ug/m3			01/24/14 04:32	1
1,2-Dibromoethane	ND		1.5	1.5	ug/m3			01/24/14 04:32	1
1,2-Dichlorobenzene	ND		1.2	1.2	ug/m3			01/24/14 04:32	1
1,2-Dichloroethane	ND		0.81	0.81	ug/m3			01/24/14 04:32	1
1,2-Dichloroethene, Total	ND		0.79	0.79	ug/m3			01/24/14 04:32	1
1,2-Dichloropropane	ND		0.92	0.92	ug/m3			01/24/14 04:32	1
1,2-Dichlorotetrafluoroethane	ND		1.4	1.4	ug/m3			01/24/14 04:32	1
1,3,5-Trimethylbenzene	ND		0.98	0.98	ug/m3			01/24/14 04:32	1
1,3-Butadiene	ND		0.44	0.44	ug/m3			01/24/14 04:32	1
1,3-Dichlorobenzene	ND		1.2	1.2	ug/m3			01/24/14 04:32	1
1,4-Dichlorobenzene	ND		1.2	1.2	ug/m3			01/24/14 04:32	1
1,4-Dioxane	ND		18	18	ug/m3			01/24/14 04:32	1
2,2,4-Trimethylpentane	ND		0.93	0.93	ug/m3			01/24/14 04:32	1
2-Chlorotoluene	ND		1.0	1.0	ug/m3			01/24/14 04:32	1
3-Chloropropene	ND		1.6	1.6	ug/m3			01/24/14 04:32	1
4-Ethyltoluene	ND		0.98	0.98	ug/m3			01/24/14 04:32	1
4-Isopropyltoluene	ND		1.1	1.1	ug/m3			01/24/14 04:32	1
Acetone	ND		12	12	ug/m3			01/24/14 04:32	1
Benzene	ND		0.64	0.64	ug/m3			01/24/14 04:32	1
Benzyl chloride	ND		1.0	1.0	ug/m3			01/24/14 04:32	1
Bromodichloromethane	ND		1.3	1.3	ug/m3			01/24/14 04:32	1
Bromoethene(Vinyl Bromide)	ND		0.87	0.87	ug/m3			01/24/14 04:32	1
Bromoform	ND		2.1	2.1	ug/m3			01/24/14 04:32	1
Bromomethane	ND		0.78	0.78	ug/m3			01/24/14 04:32	1
Carbon disulfide	ND		1.6	1.6	ug/m3			01/24/14 04:32	1
Carbon tetrachloride	ND		1.3	1.3	ug/m3			01/24/14 04:32	1
Chlorobenzene	ND		0.92	0.92	ug/m3			01/24/14 04:32	1
Chloroethane	ND		1.3	1.3	ug/m3			01/24/14 04:32	1
Chloroform	ND		0.98	0.98	ug/m3			01/24/14 04:32	1
Chloromethane	ND		1.0	1.0	ug/m3			01/24/14 04:32	1
cis-1,2-Dichloroethene	ND		0.79	0.79	ug/m3			01/24/14 04:32	1
cis-1,3-Dichloropropene	ND		0.91	0.91	ug/m3			01/24/14 04:32	1
Cumene	ND		0.98	0.98	ug/m3			01/24/14 04:32	1
Cyclohexane	ND		0.69	0.69	ug/m3			01/24/14 04:32	1
Dibromochloromethane	ND		1.7	1.7	ug/m3			01/24/14 04:32	1
Dichlorodifluoromethane	ND		2.5	2.5	ug/m3			01/24/14 04:32	1
Ethylbenzene	ND		0.87	0.87	ug/m3			01/24/14 04:32	1
Freon 22	ND		1.8	1.8	ug/m3			01/24/14 04:32	1
Freon TF	ND		1.5	1.5	ug/m3			01/24/14 04:32	1

TestAmerica Buffalo

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 058507, GM-Lockport Vapor Intrusion

TestAmerica Job ID: 480-53609-1

Client Sample ID: 6VI-OAI-011814

Lab Sample ID: 480-53609-15

Date Collected: 01/18/14 17:10

Matrix: Air

Date Received: 01/21/14 10:15

Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorobutadiene	ND		2.1	2.1	ug/m3			01/24/14 04:32	1
Isopropyl alcohol	ND		12	12	ug/m3			01/24/14 04:32	1
m,p-Xylene	ND		2.2	2.2	ug/m3			01/24/14 04:32	1
Methyl Butyl Ketone (2-Hexanone)	ND		2.0	2.0	ug/m3			01/24/14 04:32	1
Methyl Ethyl Ketone	ND		1.5	1.5	ug/m3			01/24/14 04:32	1
methyl isobutyl ketone	ND		2.0	2.0	ug/m3			01/24/14 04:32	1
Methyl methacrylate	ND		2.0	2.0	ug/m3			01/24/14 04:32	1
Methyl tert-butyl ether	ND		0.72	0.72	ug/m3			01/24/14 04:32	1
Methylene Chloride	ND		1.7	1.7	ug/m3			01/24/14 04:32	1
Naphthalene	ND		2.6	2.6	ug/m3			01/24/14 04:32	1
n-Butane	ND		1.2	1.2	ug/m3			01/24/14 04:32	1
n-Butylbenzene	ND		1.1	1.1	ug/m3			01/24/14 04:32	1
n-Heptane	ND		0.82	0.82	ug/m3			01/24/14 04:32	1
n-Hexane	ND		0.70	0.70	ug/m3			01/24/14 04:32	1
n-Propylbenzene	ND		0.98	0.98	ug/m3			01/24/14 04:32	1
sec-Butylbenzene	ND		1.1	1.1	ug/m3			01/24/14 04:32	1
Styrene	ND		0.85	0.85	ug/m3			01/24/14 04:32	1
tert-Butyl alcohol	ND		15	15	ug/m3			01/24/14 04:32	1
tert-Butylbenzene	ND		1.1	1.1	ug/m3			01/24/14 04:32	1
Tetrachloroethene	ND		1.4	1.4	ug/m3			01/24/14 04:32	1
Tetrahydrofuran	ND		15	15	ug/m3			01/24/14 04:32	1
Toluene	ND		0.75	0.75	ug/m3			01/24/14 04:32	1
trans-1,2-Dichloroethene	ND		0.79	0.79	ug/m3			01/24/14 04:32	1
trans-1,3-Dichloropropene	ND		0.91	0.91	ug/m3			01/24/14 04:32	1
Trichloroethene	ND		1.1	1.1	ug/m3			01/24/14 04:32	1
Trichlorofluoromethane	1.3		1.1	1.1	ug/m3			01/24/14 04:32	1
Vinyl chloride	ND		0.51	0.51	ug/m3			01/24/14 04:32	1
Xylene (total)	ND		0.87	0.87	ug/m3			01/24/14 04:32	1
Xylene, o-	ND		0.87	0.87	ug/m3			01/24/14 04:32	1

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 058507, GM-Lockport Vapor Intrusion

TestAmerica Job ID: 480-53609-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Lab Sample ID: MB 200-67556/4

Matrix: Air

Analysis Batch: 67556

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.20	0.20	ppb v/v			01/23/14 16:11	1
1,1,2,2-Tetrachloroethane	ND		0.20	0.20	ppb v/v			01/23/14 16:11	1
1,1,2-Trichloroethane	ND		0.20	0.20	ppb v/v			01/23/14 16:11	1
1,1-Dichloroethane	ND		0.20	0.20	ppb v/v			01/23/14 16:11	1
1,1-Dichloroethene	ND		0.20	0.20	ppb v/v			01/23/14 16:11	1
1,2,4-Trichlorobenzene	ND		0.50	0.50	ppb v/v			01/23/14 16:11	1
1,2,4-Trimethylbenzene	ND		0.20	0.20	ppb v/v			01/23/14 16:11	1
1,2-Dibromoethane	ND		0.20	0.20	ppb v/v			01/23/14 16:11	1
1,2-Dichlorobenzene	ND		0.20	0.20	ppb v/v			01/23/14 16:11	1
1,2-Dichloroethane	ND		0.20	0.20	ppb v/v			01/23/14 16:11	1
1,2-Dichloroethene, Total	ND		0.20	0.20	ppb v/v			01/23/14 16:11	1
1,2-Dichloropropane	ND		0.20	0.20	ppb v/v			01/23/14 16:11	1
1,2-Dichlorotetrafluoroethane	ND		0.20	0.20	ppb v/v			01/23/14 16:11	1
1,3,5-Trimethylbenzene	ND		0.20	0.20	ppb v/v			01/23/14 16:11	1
1,3-Butadiene	ND		0.20	0.20	ppb v/v			01/23/14 16:11	1
1,3-Dichlorobenzene	ND		0.20	0.20	ppb v/v			01/23/14 16:11	1
1,4-Dichlorobenzene	ND		0.20	0.20	ppb v/v			01/23/14 16:11	1
1,4-Dioxane	ND		5.0	5.0	ppb v/v			01/23/14 16:11	1
2,2,4-Trimethylpentane	ND		0.20	0.20	ppb v/v			01/23/14 16:11	1
2-Chlorotoluene	ND		0.20	0.20	ppb v/v			01/23/14 16:11	1
3-Chloropropene	ND		0.50	0.50	ppb v/v			01/23/14 16:11	1
4-Ethyltoluene	ND		0.20	0.20	ppb v/v			01/23/14 16:11	1
4-Isopropyltoluene	ND		0.20	0.20	ppb v/v			01/23/14 16:11	1
Acetone	ND		5.0	5.0	ppb v/v			01/23/14 16:11	1
Benzene	ND		0.20	0.20	ppb v/v			01/23/14 16:11	1
Benzyl chloride	ND		0.20	0.20	ppb v/v			01/23/14 16:11	1
Bromodichloromethane	ND		0.20	0.20	ppb v/v			01/23/14 16:11	1
Bromoethene(Vinyl Bromide)	ND		0.20	0.20	ppb v/v			01/23/14 16:11	1
Bromoform	ND		0.20	0.20	ppb v/v			01/23/14 16:11	1
Bromomethane	ND		0.20	0.20	ppb v/v			01/23/14 16:11	1
Carbon disulfide	ND		0.50	0.50	ppb v/v			01/23/14 16:11	1
Carbon tetrachloride	ND		0.20	0.20	ppb v/v			01/23/14 16:11	1
Chlorobenzene	ND		0.20	0.20	ppb v/v			01/23/14 16:11	1
Chloroethane	ND		0.50	0.50	ppb v/v			01/23/14 16:11	1
Chloroform	ND		0.20	0.20	ppb v/v			01/23/14 16:11	1
Chloromethane	ND		0.50	0.50	ppb v/v			01/23/14 16:11	1
cis-1,2-Dichloroethene	ND		0.20	0.20	ppb v/v			01/23/14 16:11	1
cis-1,3-Dichloropropene	ND		0.20	0.20	ppb v/v			01/23/14 16:11	1
Cumene	ND		0.20	0.20	ppb v/v			01/23/14 16:11	1
Cyclohexane	ND		0.20	0.20	ppb v/v			01/23/14 16:11	1
Dibromochloromethane	ND		0.20	0.20	ppb v/v			01/23/14 16:11	1
Dichlorodifluoromethane	ND		0.50	0.50	ppb v/v			01/23/14 16:11	1
Ethylbenzene	ND		0.20	0.20	ppb v/v			01/23/14 16:11	1
Freon 22	ND		0.50	0.50	ppb v/v			01/23/14 16:11	1
Freon TF	ND		0.20	0.20	ppb v/v			01/23/14 16:11	1
Hexachlorobutadiene	ND		0.20	0.20	ppb v/v			01/23/14 16:11	1
Isopropyl alcohol	ND		5.0	5.0	ppb v/v			01/23/14 16:11	1
m,p-Xylene	ND		0.50	0.50	ppb v/v			01/23/14 16:11	1

TestAmerica Buffalo

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 058507, GM-Lockport Vapor Intrusion

TestAmerica Job ID: 480-53609-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: MB 200-67556/4

Matrix: Air

Analysis Batch: 67556

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Butyl Ketone (2-Hexanone)	ND		0.50	0.50	ppb v/v			01/23/14 16:11	1
Methyl Ethyl Ketone	ND		0.50	0.50	ppb v/v			01/23/14 16:11	1
methyl isobutyl ketone	ND		0.50	0.50	ppb v/v			01/23/14 16:11	1
Methyl methacrylate	ND		0.50	0.50	ppb v/v			01/23/14 16:11	1
Methyl tert-butyl ether	ND		0.20	0.20	ppb v/v			01/23/14 16:11	1
Methylene Chloride	ND		0.50	0.50	ppb v/v			01/23/14 16:11	1
Naphthalene	ND		0.50	0.50	ppb v/v			01/23/14 16:11	1
n-Butane	ND		0.50	0.50	ppb v/v			01/23/14 16:11	1
n-Butylbenzene	ND		0.20	0.20	ppb v/v			01/23/14 16:11	1
n-Heptane	ND		0.20	0.20	ppb v/v			01/23/14 16:11	1
n-Hexane	ND		0.20	0.20	ppb v/v			01/23/14 16:11	1
n-Propylbenzene	ND		0.20	0.20	ppb v/v			01/23/14 16:11	1
sec-Butylbenzene	ND		0.20	0.20	ppb v/v			01/23/14 16:11	1
Styrene	ND		0.20	0.20	ppb v/v			01/23/14 16:11	1
tert-Butyl alcohol	ND		5.0	5.0	ppb v/v			01/23/14 16:11	1
tert-Butylbenzene	ND		0.20	0.20	ppb v/v			01/23/14 16:11	1
Tetrachloroethene	ND		0.20	0.20	ppb v/v			01/23/14 16:11	1
Tetrahydrofuran	ND		5.0	5.0	ppb v/v			01/23/14 16:11	1
Toluene	ND		0.20	0.20	ppb v/v			01/23/14 16:11	1
trans-1,2-Dichloroethene	ND		0.20	0.20	ppb v/v			01/23/14 16:11	1
trans-1,3-Dichloropropene	ND		0.20	0.20	ppb v/v			01/23/14 16:11	1
Trichloroethene	ND		0.20	0.20	ppb v/v			01/23/14 16:11	1
Trichlorofluoromethane	ND		0.20	0.20	ppb v/v			01/23/14 16:11	1
Vinyl chloride	ND		0.20	0.20	ppb v/v			01/23/14 16:11	1
Xylene (total)	ND		0.20	0.20	ppb v/v			01/23/14 16:11	1
Xylene, o-	ND		0.20	0.20	ppb v/v			01/23/14 16:11	1

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.1	1.1	ug/m3			01/23/14 16:11	1
1,1,1,2-Tetrachloroethane	ND		1.4	1.4	ug/m3			01/23/14 16:11	1
1,1,2-Trichloroethane	ND		1.1	1.1	ug/m3			01/23/14 16:11	1
1,1-Dichloroethane	ND		0.81	0.81	ug/m3			01/23/14 16:11	1
1,1-Dichloroethene	ND		0.79	0.79	ug/m3			01/23/14 16:11	1
1,2,4-Trichlorobenzene	ND		3.7	3.7	ug/m3			01/23/14 16:11	1
1,2,4-Trimethylbenzene	ND		0.98	0.98	ug/m3			01/23/14 16:11	1
1,2-Dibromoethane	ND		1.5	1.5	ug/m3			01/23/14 16:11	1
1,2-Dichlorobenzene	ND		1.2	1.2	ug/m3			01/23/14 16:11	1
1,2-Dichloroethane	ND		0.81	0.81	ug/m3			01/23/14 16:11	1
1,2-Dichloroethene, Total	ND		0.79	0.79	ug/m3			01/23/14 16:11	1
1,2-Dichloropropane	ND		0.92	0.92	ug/m3			01/23/14 16:11	1
1,2-Dichlorotetrafluoroethane	ND		1.4	1.4	ug/m3			01/23/14 16:11	1
1,3,5-Trimethylbenzene	ND		0.98	0.98	ug/m3			01/23/14 16:11	1
1,3-Butadiene	ND		0.44	0.44	ug/m3			01/23/14 16:11	1
1,3-Dichlorobenzene	ND		1.2	1.2	ug/m3			01/23/14 16:11	1
1,4-Dichlorobenzene	ND		1.2	1.2	ug/m3			01/23/14 16:11	1
1,4-Dioxane	ND		18	18	ug/m3			01/23/14 16:11	1
2,2,4-Trimethylpentane	ND		0.93	0.93	ug/m3			01/23/14 16:11	1
2-Chlorotoluene	ND		1.0	1.0	ug/m3			01/23/14 16:11	1

TestAmerica Buffalo

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 058507, GM-Lockport Vapor Intrusion

TestAmerica Job ID: 480-53609-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: MB 200-67556/4

Matrix: Air

Analysis Batch: 67556

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
3-Chloropropene	ND		1.6	1.6	ug/m3			01/23/14 16:11	1
4-Ethyltoluene	ND		0.98	0.98	ug/m3			01/23/14 16:11	1
4-Isopropyltoluene	ND		1.1	1.1	ug/m3			01/23/14 16:11	1
Acetone	ND		12	12	ug/m3			01/23/14 16:11	1
Benzene	ND		0.64	0.64	ug/m3			01/23/14 16:11	1
Benzyl chloride	ND		1.0	1.0	ug/m3			01/23/14 16:11	1
Bromodichloromethane	ND		1.3	1.3	ug/m3			01/23/14 16:11	1
Bromoethene(Vinyl Bromide)	ND		0.87	0.87	ug/m3			01/23/14 16:11	1
Bromoform	ND		2.1	2.1	ug/m3			01/23/14 16:11	1
Bromomethane	ND		0.78	0.78	ug/m3			01/23/14 16:11	1
Carbon disulfide	ND		1.6	1.6	ug/m3			01/23/14 16:11	1
Carbon tetrachloride	ND		1.3	1.3	ug/m3			01/23/14 16:11	1
Chlorobenzene	ND		0.92	0.92	ug/m3			01/23/14 16:11	1
Chloroethane	ND		1.3	1.3	ug/m3			01/23/14 16:11	1
Chloroform	ND		0.98	0.98	ug/m3			01/23/14 16:11	1
Chloromethane	ND		1.0	1.0	ug/m3			01/23/14 16:11	1
cis-1,2-Dichloroethene	ND		0.79	0.79	ug/m3			01/23/14 16:11	1
cis-1,3-Dichloropropene	ND		0.91	0.91	ug/m3			01/23/14 16:11	1
Cumene	ND		0.98	0.98	ug/m3			01/23/14 16:11	1
Cyclohexane	ND		0.69	0.69	ug/m3			01/23/14 16:11	1
Dibromochloromethane	ND		1.7	1.7	ug/m3			01/23/14 16:11	1
Dichlorodifluoromethane	ND		2.5	2.5	ug/m3			01/23/14 16:11	1
Ethylbenzene	ND		0.87	0.87	ug/m3			01/23/14 16:11	1
Freon 22	ND		1.8	1.8	ug/m3			01/23/14 16:11	1
Freon TF	ND		1.5	1.5	ug/m3			01/23/14 16:11	1
Hexachlorobutadiene	ND		2.1	2.1	ug/m3			01/23/14 16:11	1
Isopropyl alcohol	ND		12	12	ug/m3			01/23/14 16:11	1
m,p-Xylene	ND		2.2	2.2	ug/m3			01/23/14 16:11	1
Methyl Butyl Ketone (2-Hexanone)	ND		2.0	2.0	ug/m3			01/23/14 16:11	1
Methyl Ethyl Ketone	ND		1.5	1.5	ug/m3			01/23/14 16:11	1
methyl isobutyl ketone	ND		2.0	2.0	ug/m3			01/23/14 16:11	1
Methyl methacrylate	ND		2.0	2.0	ug/m3			01/23/14 16:11	1
Methyl tert-butyl ether	ND		0.72	0.72	ug/m3			01/23/14 16:11	1
Methylene Chloride	ND		1.7	1.7	ug/m3			01/23/14 16:11	1
Naphthalene	ND		2.6	2.6	ug/m3			01/23/14 16:11	1
n-Butane	ND		1.2	1.2	ug/m3			01/23/14 16:11	1
n-Butylbenzene	ND		1.1	1.1	ug/m3			01/23/14 16:11	1
n-Heptane	ND		0.82	0.82	ug/m3			01/23/14 16:11	1
n-Hexane	ND		0.70	0.70	ug/m3			01/23/14 16:11	1
n-Propylbenzene	ND		0.98	0.98	ug/m3			01/23/14 16:11	1
sec-Butylbenzene	ND		1.1	1.1	ug/m3			01/23/14 16:11	1
Styrene	ND		0.85	0.85	ug/m3			01/23/14 16:11	1
tert-Butyl alcohol	ND		15	15	ug/m3			01/23/14 16:11	1
tert-Butylbenzene	ND		1.1	1.1	ug/m3			01/23/14 16:11	1
Tetrachloroethene	ND		1.4	1.4	ug/m3			01/23/14 16:11	1
Tetrahydrofuran	ND		15	15	ug/m3			01/23/14 16:11	1
Toluene	ND		0.75	0.75	ug/m3			01/23/14 16:11	1
trans-1,2-Dichloroethene	ND		0.79	0.79	ug/m3			01/23/14 16:11	1

TestAmerica Buffalo

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 058507, GM-Lockport Vapor Intrusion

TestAmerica Job ID: 480-53609-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: MB 200-67556/4

Matrix: Air

Analysis Batch: 67556

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	ND		0.91	0.91	ug/m3			01/23/14 16:11	1
Trichloroethene	ND		1.1	1.1	ug/m3			01/23/14 16:11	1
Trichlorofluoromethane	ND		1.1	1.1	ug/m3			01/23/14 16:11	1
Vinyl chloride	ND		0.51	0.51	ug/m3			01/23/14 16:11	1
Xylene (total)	ND		0.87	0.87	ug/m3			01/23/14 16:11	1
Xylene, o-	ND		0.87	0.87	ug/m3			01/23/14 16:11	1

Lab Sample ID: LCS 200-67556/3

Matrix: Air

Analysis Batch: 67556

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	10.0	10.7		ppb v/v		107	70 - 130
1,1,1,2,2-Tetrachloroethane	10.0	10.5		ppb v/v		105	70 - 130
1,1,1,2-Trichloroethane	10.0	10.2		ppb v/v		102	70 - 130
1,1-Dichloroethane	10.0	10.6		ppb v/v		106	70 - 130
1,1-Dichloroethene	10.0	11.6		ppb v/v		116	70 - 130
1,2,4-Trichlorobenzene	10.0	8.09		ppb v/v		81	70 - 130
1,2,4-Trimethylbenzene	10.0	10.8		ppb v/v		108	70 - 130
1,2-Dibromoethane	10.0	10.6		ppb v/v		106	70 - 130
1,2-Dichlorobenzene	10.0	10.0		ppb v/v		100	70 - 130
1,2-Dichloroethane	10.0	10.4		ppb v/v		104	70 - 130
1,2-Dichloropropane	10.0	10.4		ppb v/v		104	70 - 130
1,2-Dichlorotetrafluoroethane	10.0	10.4		ppb v/v		104	70 - 130
1,3,5-Trimethylbenzene	10.0	10.8		ppb v/v		108	70 - 130
1,3-Butadiene	10.0	10.9		ppb v/v		109	70 - 130
1,3-Dichlorobenzene	10.0	10.6		ppb v/v		106	70 - 130
1,4-Dichlorobenzene	10.0	10.7		ppb v/v		107	70 - 130
1,4-Dioxane	10.0	9.05		ppb v/v		91	70 - 130
2,2,4-Trimethylpentane	10.0	11.0		ppb v/v		110	70 - 130
2-Chlorotoluene	10.0	11.0		ppb v/v		110	70 - 130
3-Chloropropene	10.0	10.6		ppb v/v		106	70 - 130
4-Ethyltoluene	10.0	11.4		ppb v/v		114	70 - 130
4-Isopropyltoluene	10.0	11.3		ppb v/v		113	70 - 130
Acetone	10.0	10.2		ppb v/v		102	70 - 130
Benzene	10.0	10.6		ppb v/v		106	70 - 130
Benzyl chloride	10.0	8.94		ppb v/v		89	70 - 130
Bromodichloromethane	10.0	11.2		ppb v/v		112	70 - 130
Bromoethene(Vinyl Bromide)	10.0	11.0		ppb v/v		110	70 - 130
Bromoform	10.0	12.1		ppb v/v		121	70 - 130
Bromomethane	10.0	10.0		ppb v/v		100	70 - 130
Carbon disulfide	10.0	10.6		ppb v/v		106	70 - 130
Carbon tetrachloride	10.0	11.0		ppb v/v		110	70 - 130
Chlorobenzene	10.0	10.2		ppb v/v		102	70 - 130
Chloroethane	10.0	12.1		ppb v/v		121	70 - 130
Chloroform	10.0	10.5		ppb v/v		105	70 - 130
Chloromethane	10.0	10.4		ppb v/v		104	70 - 130
cis-1,2-Dichloroethene	10.0	11.1		ppb v/v		111	70 - 130

TestAmerica Buffalo

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 058507, GM-Lockport Vapor Intrusion

TestAmerica Job ID: 480-53609-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 200-67556/3

Matrix: Air

Analysis Batch: 67556

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
cis-1,3-Dichloropropene	10.0	11.0		ppb v/v		110	70 - 130
Cumene	10.0	11.2		ppb v/v		112	70 - 130
Cyclohexane	10.0	11.1		ppb v/v		111	70 - 130
Dibromochloromethane	10.0	11.5		ppb v/v		115	70 - 130
Dichlorodifluoromethane	10.0	10.4		ppb v/v		104	70 - 130
Ethylbenzene	10.0	10.6		ppb v/v		106	70 - 130
Freon 22	10.0	10.2		ppb v/v		102	70 - 130
Freon TF	10.0	11.5		ppb v/v		115	70 - 130
Hexachlorobutadiene	10.0	9.85		ppb v/v		99	70 - 130
Isopropyl alcohol	10.0	9.48		ppb v/v		95	70 - 130
m,p-Xylene	20.0	21.3		ppb v/v		107	70 - 130
Methyl Butyl Ketone	10.0	10.8		ppb v/v		108	70 - 130
(2-Hexanone)							
Methyl Ethyl Ketone	10.0	10.6		ppb v/v		106	70 - 130
methyl isobutyl ketone	10.0	11.8		ppb v/v		118	70 - 130
Methyl methacrylate	10.0	11.0		ppb v/v		110	70 - 130
Methyl tert-butyl ether	10.0	11.5		ppb v/v		115	70 - 130
Methylene Chloride	10.0	11.7		ppb v/v		117	70 - 130
Naphthalene	10.0	8.57		ppb v/v		86	70 - 130
n-Butane	10.0	10.1		ppb v/v		101	70 - 130
n-Butylbenzene	10.0	10.9		ppb v/v		109	70 - 130
n-Heptane	10.0	10.9		ppb v/v		109	70 - 130
n-Hexane	10.0	10.8		ppb v/v		108	70 - 130
n-Propylbenzene	10.0	11.3		ppb v/v		113	70 - 130
sec-Butylbenzene	10.0	11.1		ppb v/v		111	70 - 130
Styrene	10.0	11.3		ppb v/v		113	70 - 130
tert-Butyl alcohol	10.0	9.61		ppb v/v		96	70 - 130
tert-Butylbenzene	10.0	10.9		ppb v/v		110	70 - 130
Tetrachloroethene	10.0	10.4		ppb v/v		104	70 - 130
Tetrahydrofuran	10.0	10.4		ppb v/v		104	70 - 130
Toluene	10.0	10.2		ppb v/v		102	70 - 130
trans-1,2-Dichloroethene	10.0	10.5		ppb v/v		105	70 - 130
trans-1,3-Dichloropropene	10.0	10.9		ppb v/v		109	70 - 130
Trichloroethene	10.0	10.7		ppb v/v		108	70 - 130
Trichlorofluoromethane	10.0	10.5		ppb v/v		105	70 - 130
Vinyl chloride	10.0	10.6		ppb v/v		106	70 - 130
Xylene, o-	10.0	10.9		ppb v/v		109	70 - 130
Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	55	58.6		ug/m3		107	70 - 130
1,1,2,2-Tetrachloroethane	69	72.3		ug/m3		105	70 - 130
1,1,2-Trichloroethane	55	55.7		ug/m3		102	70 - 130
1,1-Dichloroethane	40	42.8		ug/m3		106	70 - 130
1,1-Dichloroethene	40	46.1		ug/m3		116	70 - 130
1,2,4-Trichlorobenzene	74	60.1		ug/m3		81	70 - 130
1,2,4-Trimethylbenzene	49	52.9		ug/m3		108	70 - 130
1,2-Dibromoethane	77	81.3		ug/m3		106	70 - 130
1,2-Dichlorobenzene	60	60.2		ug/m3		100	70 - 130

TestAmerica Buffalo

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 058507, GM-Lockport Vapor Intrusion

TestAmerica Job ID: 480-53609-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 200-67556/3

Matrix: Air

Analysis Batch: 67556

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dichloroethane	40	42.1		ug/m3		104	70 - 130
1,2-Dichloropropane	46	48.0		ug/m3		104	70 - 130
1,2-Dichlorotetrafluoroethane	70	72.8		ug/m3		104	70 - 130
1,3,5-Trimethylbenzene	49	53.0		ug/m3		108	70 - 130
1,3-Butadiene	22	24.0		ug/m3		109	70 - 130
1,3-Dichlorobenzene	60	63.8		ug/m3		106	70 - 130
1,4-Dichlorobenzene	60	64.6		ug/m3		107	70 - 130
1,4-Dioxane	36	32.6		ug/m3		91	70 - 130
2,2,4-Trimethylpentane	47	51.3		ug/m3		110	70 - 130
2-Chlorotoluene	52	57.2		ug/m3		110	70 - 130
3-Chloropropene	31	33.1		ug/m3		106	70 - 130
4-Ethyltoluene	49	55.8		ug/m3		114	70 - 130
4-Isopropyltoluene	55	62.0		ug/m3		113	70 - 130
Acetone	24	24.1		ug/m3		102	70 - 130
Benzene	32	33.9		ug/m3		106	70 - 130
Benzyl chloride	52	46.3		ug/m3		89	70 - 130
Bromodichloromethane	67	74.9		ug/m3		112	70 - 130
Bromoethene(Vinyl Bromide)	44	48.3		ug/m3		110	70 - 130
Bromoform	100	125		ug/m3		121	70 - 130
Bromomethane	39	38.8		ug/m3		100	70 - 130
Carbon disulfide	31	33.2		ug/m3		106	70 - 130
Carbon tetrachloride	63	68.9		ug/m3		110	70 - 130
Chlorobenzene	46	46.9		ug/m3		102	70 - 130
Chloroethane	26	31.8		ug/m3		121	70 - 130
Chloroform	49	51.5		ug/m3		105	70 - 130
Chloromethane	21	21.5		ug/m3		104	70 - 130
cis-1,2-Dichloroethene	40	44.1		ug/m3		111	70 - 130
cis-1,3-Dichloropropene	45	50.1		ug/m3		110	70 - 130
Cumene	49	54.8		ug/m3		112	70 - 130
Cyclohexane	34	38.1		ug/m3		111	70 - 130
Dibromochloromethane	85	97.8		ug/m3		115	70 - 130
Dichlorodifluoromethane	49	51.5		ug/m3		104	70 - 130
Ethylbenzene	43	46.1		ug/m3		106	70 - 130
Freon 22	35	36.1		ug/m3		102	70 - 130
Freon TF	77	87.8		ug/m3		115	70 - 130
Hexachlorobutadiene	110	105		ug/m3		99	70 - 130
Isopropyl alcohol	25	23.3		ug/m3		95	70 - 130
m,p-Xylene	87	92.5		ug/m3		107	70 - 130
Methyl Butyl Ketone (2-Hexanone)	41	44.3		ug/m3		108	70 - 130
Methyl Ethyl Ketone	29	31.3		ug/m3		106	70 - 130
methyl isobutyl ketone	41	48.3		ug/m3		118	70 - 130
Methyl methacrylate	41	45.0		ug/m3		110	70 - 130
Methyl tert-butyl ether	36	41.6		ug/m3		115	70 - 130
Methylene Chloride	35	40.8		ug/m3		117	70 - 130
Naphthalene	52	44.9		ug/m3		86	70 - 130
n-Butane	24	24.0		ug/m3		101	70 - 130
n-Butylbenzene	55	60.0		ug/m3		109	70 - 130

TestAmerica Buffalo

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 058507, GM-Lockport Vapor Intrusion

TestAmerica Job ID: 480-53609-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 200-67556/3

Matrix: Air

Analysis Batch: 67556

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
n-Heptane	41	44.8		ug/m3		109	70 - 130
n-Hexane	35	37.9		ug/m3		108	70 - 130
n-Propylbenzene	49	55.5		ug/m3		113	70 - 130
sec-Butylbenzene	55	60.7		ug/m3		111	70 - 130
Styrene	43	48.0		ug/m3		113	70 - 130
tert-Butyl alcohol	30	29.1		ug/m3		96	70 - 130
tert-Butylbenzene	55	60.1		ug/m3		110	70 - 130
Tetrachloroethene	68	70.3		ug/m3		104	70 - 130
Tetrahydrofuran	29	30.6		ug/m3		104	70 - 130
Toluene	38	38.3		ug/m3		102	70 - 130
trans-1,2-Dichloroethene	40	41.7		ug/m3		105	70 - 130
trans-1,3-Dichloropropene	45	49.6		ug/m3		109	70 - 130
Trichloroethene	54	57.8		ug/m3		108	70 - 130
Trichlorofluoromethane	56	58.8		ug/m3		105	70 - 130
Vinyl chloride	26	27.1		ug/m3		106	70 - 130
Xylene, o-	43	47.4		ug/m3		109	70 - 130

Lab Sample ID: MB 200-67602/5

Matrix: Air

Analysis Batch: 67602

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.20	0.20	ppb v/v			01/24/14 15:40	1
1,1,2,2-Tetrachloroethane	ND		0.20	0.20	ppb v/v			01/24/14 15:40	1
1,1,2-Trichloroethane	ND		0.20	0.20	ppb v/v			01/24/14 15:40	1
1,1-Dichloroethane	ND		0.20	0.20	ppb v/v			01/24/14 15:40	1
1,1-Dichloroethene	ND		0.20	0.20	ppb v/v			01/24/14 15:40	1
1,2,4-Trichlorobenzene	ND		0.50	0.50	ppb v/v			01/24/14 15:40	1
1,2,4-Trimethylbenzene	ND		0.20	0.20	ppb v/v			01/24/14 15:40	1
1,2-Dibromoethane	ND		0.20	0.20	ppb v/v			01/24/14 15:40	1
1,2-Dichlorobenzene	ND		0.20	0.20	ppb v/v			01/24/14 15:40	1
1,2-Dichloroethane	ND		0.20	0.20	ppb v/v			01/24/14 15:40	1
1,2-Dichloroethene, Total	ND		0.20	0.20	ppb v/v			01/24/14 15:40	1
1,2-Dichloropropane	ND		0.20	0.20	ppb v/v			01/24/14 15:40	1
1,2-Dichlorotetrafluoroethane	ND		0.20	0.20	ppb v/v			01/24/14 15:40	1
1,3,5-Trimethylbenzene	ND		0.20	0.20	ppb v/v			01/24/14 15:40	1
1,3-Butadiene	ND		0.20	0.20	ppb v/v			01/24/14 15:40	1
1,3-Dichlorobenzene	ND		0.20	0.20	ppb v/v			01/24/14 15:40	1
1,4-Dichlorobenzene	ND		0.20	0.20	ppb v/v			01/24/14 15:40	1
1,4-Dioxane	ND		5.0	5.0	ppb v/v			01/24/14 15:40	1
2,2,4-Trimethylpentane	ND		0.20	0.20	ppb v/v			01/24/14 15:40	1
2-Chlorotoluene	ND		0.20	0.20	ppb v/v			01/24/14 15:40	1
3-Chloropropene	ND		0.50	0.50	ppb v/v			01/24/14 15:40	1
4-Ethyltoluene	ND		0.20	0.20	ppb v/v			01/24/14 15:40	1
4-Isopropyltoluene	ND		0.20	0.20	ppb v/v			01/24/14 15:40	1
Acetone	ND		5.0	5.0	ppb v/v			01/24/14 15:40	1
Benzene	ND		0.20	0.20	ppb v/v			01/24/14 15:40	1
Benzyl chloride	ND		0.20	0.20	ppb v/v			01/24/14 15:40	1

TestAmerica Buffalo

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 058507, GM-Lockport Vapor Intrusion

TestAmerica Job ID: 480-53609-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: MB 200-67602/5

Matrix: Air

Analysis Batch: 67602

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	ND		0.20	0.20	ppb v/v			01/24/14 15:40	1
Bromoethene(Vinyl Bromide)	ND		0.20	0.20	ppb v/v			01/24/14 15:40	1
Bromoform	ND		0.20	0.20	ppb v/v			01/24/14 15:40	1
Bromomethane	ND		0.20	0.20	ppb v/v			01/24/14 15:40	1
Carbon disulfide	ND		0.50	0.50	ppb v/v			01/24/14 15:40	1
Carbon tetrachloride	ND		0.20	0.20	ppb v/v			01/24/14 15:40	1
Chlorobenzene	ND		0.20	0.20	ppb v/v			01/24/14 15:40	1
Chloroethane	ND		0.50	0.50	ppb v/v			01/24/14 15:40	1
Chloroform	ND		0.20	0.20	ppb v/v			01/24/14 15:40	1
Chloromethane	ND		0.50	0.50	ppb v/v			01/24/14 15:40	1
cis-1,2-Dichloroethene	ND		0.20	0.20	ppb v/v			01/24/14 15:40	1
cis-1,3-Dichloropropene	ND		0.20	0.20	ppb v/v			01/24/14 15:40	1
Cumene	ND		0.20	0.20	ppb v/v			01/24/14 15:40	1
Cyclohexane	ND		0.20	0.20	ppb v/v			01/24/14 15:40	1
Dibromochloromethane	ND		0.20	0.20	ppb v/v			01/24/14 15:40	1
Dichlorodifluoromethane	ND		0.50	0.50	ppb v/v			01/24/14 15:40	1
Ethylbenzene	ND		0.20	0.20	ppb v/v			01/24/14 15:40	1
Freon 22	ND		0.50	0.50	ppb v/v			01/24/14 15:40	1
Freon TF	ND		0.20	0.20	ppb v/v			01/24/14 15:40	1
Hexachlorobutadiene	ND		0.20	0.20	ppb v/v			01/24/14 15:40	1
Isopropyl alcohol	ND		5.0	5.0	ppb v/v			01/24/14 15:40	1
m,p-Xylene	ND		0.50	0.50	ppb v/v			01/24/14 15:40	1
Methyl Butyl Ketone (2-Hexanone)	ND		0.50	0.50	ppb v/v			01/24/14 15:40	1
Methyl Ethyl Ketone	ND		0.50	0.50	ppb v/v			01/24/14 15:40	1
methyl isobutyl ketone	ND		0.50	0.50	ppb v/v			01/24/14 15:40	1
Methyl methacrylate	ND		0.50	0.50	ppb v/v			01/24/14 15:40	1
Methyl tert-butyl ether	ND		0.20	0.20	ppb v/v			01/24/14 15:40	1
Methylene Chloride	ND		0.50	0.50	ppb v/v			01/24/14 15:40	1
Naphthalene	ND		0.50	0.50	ppb v/v			01/24/14 15:40	1
n-Butane	ND		0.50	0.50	ppb v/v			01/24/14 15:40	1
n-Butylbenzene	ND		0.20	0.20	ppb v/v			01/24/14 15:40	1
n-Heptane	ND		0.20	0.20	ppb v/v			01/24/14 15:40	1
n-Hexane	ND		0.20	0.20	ppb v/v			01/24/14 15:40	1
n-Propylbenzene	ND		0.20	0.20	ppb v/v			01/24/14 15:40	1
sec-Butylbenzene	ND		0.20	0.20	ppb v/v			01/24/14 15:40	1
Styrene	ND		0.20	0.20	ppb v/v			01/24/14 15:40	1
tert-Butyl alcohol	ND		5.0	5.0	ppb v/v			01/24/14 15:40	1
tert-Butylbenzene	ND		0.20	0.20	ppb v/v			01/24/14 15:40	1
Tetrachloroethene	ND		0.20	0.20	ppb v/v			01/24/14 15:40	1
Tetrahydrofuran	ND		5.0	5.0	ppb v/v			01/24/14 15:40	1
Toluene	ND		0.20	0.20	ppb v/v			01/24/14 15:40	1
trans-1,2-Dichloroethene	ND		0.20	0.20	ppb v/v			01/24/14 15:40	1
trans-1,3-Dichloropropene	ND		0.20	0.20	ppb v/v			01/24/14 15:40	1
Trichloroethene	ND		0.20	0.20	ppb v/v			01/24/14 15:40	1
Trichlorofluoromethane	ND		0.20	0.20	ppb v/v			01/24/14 15:40	1
Vinyl chloride	ND		0.20	0.20	ppb v/v			01/24/14 15:40	1
Xylene (total)	ND		0.20	0.20	ppb v/v			01/24/14 15:40	1
Xylene, o-	ND		0.20	0.20	ppb v/v			01/24/14 15:40	1

TestAmerica Buffalo

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 058507, GM-Lockport Vapor Intrusion

TestAmerica Job ID: 480-53609-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: MB 200-67602/5

Matrix: Air

Analysis Batch: 67602

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.1	1.1	ug/m3			01/24/14 15:40	1
1,1,2,2-Tetrachloroethane	ND		1.4	1.4	ug/m3			01/24/14 15:40	1
1,1,2-Trichloroethane	ND		1.1	1.1	ug/m3			01/24/14 15:40	1
1,1-Dichloroethane	ND		0.81	0.81	ug/m3			01/24/14 15:40	1
1,1-Dichloroethene	ND		0.79	0.79	ug/m3			01/24/14 15:40	1
1,2,4-Trichlorobenzene	ND		3.7	3.7	ug/m3			01/24/14 15:40	1
1,2,4-Trimethylbenzene	ND		0.98	0.98	ug/m3			01/24/14 15:40	1
1,2-Dibromoethane	ND		1.5	1.5	ug/m3			01/24/14 15:40	1
1,2-Dichlorobenzene	ND		1.2	1.2	ug/m3			01/24/14 15:40	1
1,2-Dichloroethane	ND		0.81	0.81	ug/m3			01/24/14 15:40	1
1,2-Dichloroethene, Total	ND		0.79	0.79	ug/m3			01/24/14 15:40	1
1,2-Dichloropropane	ND		0.92	0.92	ug/m3			01/24/14 15:40	1
1,2-Dichlorotetrafluoroethane	ND		1.4	1.4	ug/m3			01/24/14 15:40	1
1,3,5-Trimethylbenzene	ND		0.98	0.98	ug/m3			01/24/14 15:40	1
1,3-Butadiene	ND		0.44	0.44	ug/m3			01/24/14 15:40	1
1,3-Dichlorobenzene	ND		1.2	1.2	ug/m3			01/24/14 15:40	1
1,4-Dichlorobenzene	ND		1.2	1.2	ug/m3			01/24/14 15:40	1
1,4-Dioxane	ND		18	18	ug/m3			01/24/14 15:40	1
2,2,4-Trimethylpentane	ND		0.93	0.93	ug/m3			01/24/14 15:40	1
2-Chlorotoluene	ND		1.0	1.0	ug/m3			01/24/14 15:40	1
3-Chloropropene	ND		1.6	1.6	ug/m3			01/24/14 15:40	1
4-Ethyltoluene	ND		0.98	0.98	ug/m3			01/24/14 15:40	1
4-Isopropyltoluene	ND		1.1	1.1	ug/m3			01/24/14 15:40	1
Acetone	ND		12	12	ug/m3			01/24/14 15:40	1
Benzene	ND		0.64	0.64	ug/m3			01/24/14 15:40	1
Benzyl chloride	ND		1.0	1.0	ug/m3			01/24/14 15:40	1
Bromodichloromethane	ND		1.3	1.3	ug/m3			01/24/14 15:40	1
Bromoethene(Vinyl Bromide)	ND		0.87	0.87	ug/m3			01/24/14 15:40	1
Bromoform	ND		2.1	2.1	ug/m3			01/24/14 15:40	1
Bromomethane	ND		0.78	0.78	ug/m3			01/24/14 15:40	1
Carbon disulfide	ND		1.6	1.6	ug/m3			01/24/14 15:40	1
Carbon tetrachloride	ND		1.3	1.3	ug/m3			01/24/14 15:40	1
Chlorobenzene	ND		0.92	0.92	ug/m3			01/24/14 15:40	1
Chloroethane	ND		1.3	1.3	ug/m3			01/24/14 15:40	1
Chloroform	ND		0.98	0.98	ug/m3			01/24/14 15:40	1
Chloromethane	ND		1.0	1.0	ug/m3			01/24/14 15:40	1
cis-1,2-Dichloroethene	ND		0.79	0.79	ug/m3			01/24/14 15:40	1
cis-1,3-Dichloropropene	ND		0.91	0.91	ug/m3			01/24/14 15:40	1
Cumene	ND		0.98	0.98	ug/m3			01/24/14 15:40	1
Cyclohexane	ND		0.69	0.69	ug/m3			01/24/14 15:40	1
Dibromochloromethane	ND		1.7	1.7	ug/m3			01/24/14 15:40	1
Dichlorodifluoromethane	ND		2.5	2.5	ug/m3			01/24/14 15:40	1
Ethylbenzene	ND		0.87	0.87	ug/m3			01/24/14 15:40	1
Freon 22	ND		1.8	1.8	ug/m3			01/24/14 15:40	1
Freon TF	ND		1.5	1.5	ug/m3			01/24/14 15:40	1
Hexachlorobutadiene	ND		2.1	2.1	ug/m3			01/24/14 15:40	1
Isopropyl alcohol	ND		12	12	ug/m3			01/24/14 15:40	1
m,p-Xylene	ND		2.2	2.2	ug/m3			01/24/14 15:40	1

TestAmerica Buffalo

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 058507, GM-Lockport Vapor Intrusion

TestAmerica Job ID: 480-53609-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: MB 200-67602/5

Matrix: Air

Analysis Batch: 67602

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Butyl Ketone (2-Hexanone)	ND		2.0	2.0	ug/m3			01/24/14 15:40	1
Methyl Ethyl Ketone	ND		1.5	1.5	ug/m3			01/24/14 15:40	1
methyl isobutyl ketone	ND		2.0	2.0	ug/m3			01/24/14 15:40	1
Methyl methacrylate	ND		2.0	2.0	ug/m3			01/24/14 15:40	1
Methyl tert-butyl ether	ND		0.72	0.72	ug/m3			01/24/14 15:40	1
Methylene Chloride	ND		1.7	1.7	ug/m3			01/24/14 15:40	1
Naphthalene	ND		2.6	2.6	ug/m3			01/24/14 15:40	1
n-Butane	ND		1.2	1.2	ug/m3			01/24/14 15:40	1
n-Butylbenzene	ND		1.1	1.1	ug/m3			01/24/14 15:40	1
n-Heptane	ND		0.82	0.82	ug/m3			01/24/14 15:40	1
n-Hexane	ND		0.70	0.70	ug/m3			01/24/14 15:40	1
n-Propylbenzene	ND		0.98	0.98	ug/m3			01/24/14 15:40	1
sec-Butylbenzene	ND		1.1	1.1	ug/m3			01/24/14 15:40	1
Styrene	ND		0.85	0.85	ug/m3			01/24/14 15:40	1
tert-Butyl alcohol	ND		15	15	ug/m3			01/24/14 15:40	1
tert-Butylbenzene	ND		1.1	1.1	ug/m3			01/24/14 15:40	1
Tetrachloroethene	ND		1.4	1.4	ug/m3			01/24/14 15:40	1
Tetrahydrofuran	ND		15	15	ug/m3			01/24/14 15:40	1
Toluene	ND		0.75	0.75	ug/m3			01/24/14 15:40	1
trans-1,2-Dichloroethene	ND		0.79	0.79	ug/m3			01/24/14 15:40	1
trans-1,3-Dichloropropene	ND		0.91	0.91	ug/m3			01/24/14 15:40	1
Trichloroethene	ND		1.1	1.1	ug/m3			01/24/14 15:40	1
Trichlorofluoromethane	ND		1.1	1.1	ug/m3			01/24/14 15:40	1
Vinyl chloride	ND		0.51	0.51	ug/m3			01/24/14 15:40	1
Xylene (total)	ND		0.87	0.87	ug/m3			01/24/14 15:40	1
Xylene, o-	ND		0.87	0.87	ug/m3			01/24/14 15:40	1

Lab Sample ID: LCS 200-67602/4

Matrix: Air

Analysis Batch: 67602

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	10.0	10.8		ppb v/v		108	70 - 130
1,1,2,2-Tetrachloroethane	10.0	10.2		ppb v/v		102	70 - 130
1,1,2-Trichloroethane	10.0	9.95		ppb v/v		99	70 - 130
1,1-Dichloroethane	10.0	11.2		ppb v/v		112	70 - 130
1,1-Dichloroethene	10.0	11.8		ppb v/v		118	70 - 130
1,2,4-Trichlorobenzene	10.0	11.3		ppb v/v		113	70 - 130
1,2,4-Trimethylbenzene	10.0	10.6		ppb v/v		106	70 - 130
1,2-Dibromoethane	10.0	10.4		ppb v/v		104	70 - 130
1,2-Dichlorobenzene	10.0	10.7		ppb v/v		107	70 - 130
1,2-Dichloroethane	10.0	10.6		ppb v/v		106	70 - 130
1,2-Dichloropropane	10.0	10.5		ppb v/v		105	70 - 130
1,2-Dichlorotetrafluoroethane	10.0	11.3		ppb v/v		113	70 - 130
1,3,5-Trimethylbenzene	10.0	10.7		ppb v/v		107	70 - 130
1,3-Butadiene	10.0	11.4		ppb v/v		114	70 - 130
1,3-Dichlorobenzene	10.0	10.8		ppb v/v		108	70 - 130
1,4-Dichlorobenzene	10.0	11.0		ppb v/v		110	70 - 130

TestAmerica Buffalo

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 058507, GM-Lockport Vapor Intrusion

TestAmerica Job ID: 480-53609-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 200-67602/4

Matrix: Air

Analysis Batch: 67602

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,4-Dioxane	10.0	9.70		ppb v/v		97	70 - 130
2,2,4-Trimethylpentane	10.0	10.4		ppb v/v		104	70 - 130
2-Chlorotoluene	10.0	10.7		ppb v/v		107	70 - 130
3-Chloropropene	10.0	10.1		ppb v/v		101	70 - 130
4-Ethyltoluene	10.0	11.0		ppb v/v		110	70 - 130
4-Isopropyltoluene	10.0	11.1		ppb v/v		111	70 - 130
Acetone	10.0	11.3		ppb v/v		113	70 - 130
Benzene	10.0	10.6		ppb v/v		106	70 - 130
Benzyl chloride	10.0	9.49		ppb v/v		95	70 - 130
Bromodichloromethane	10.0	11.5		ppb v/v		115	70 - 130
Bromoethene(Vinyl Bromide)	10.0	11.3		ppb v/v		113	70 - 130
Bromoform	10.0	11.8		ppb v/v		118	70 - 130
Bromomethane	10.0	11.1		ppb v/v		111	70 - 130
Carbon disulfide	10.0	10.1		ppb v/v		101	70 - 130
Carbon tetrachloride	10.0	10.9		ppb v/v		109	70 - 130
Chlorobenzene	10.0	10.4		ppb v/v		104	70 - 130
Chloroethane	10.0	11.0		ppb v/v		110	70 - 130
Chloroform	10.0	11.0		ppb v/v		110	70 - 130
Chloromethane	10.0	10.7		ppb v/v		107	70 - 130
cis-1,2-Dichloroethene	10.0	11.1		ppb v/v		111	70 - 130
cis-1,3-Dichloropropene	10.0	10.7		ppb v/v		107	70 - 130
Cumene	10.0	10.7		ppb v/v		107	70 - 130
Cyclohexane	10.0	10.6		ppb v/v		106	70 - 130
Dibromochloromethane	10.0	11.4		ppb v/v		114	70 - 130
Dichlorodifluoromethane	10.0	11.2		ppb v/v		112	70 - 130
Ethylbenzene	10.0	10.6		ppb v/v		106	70 - 130
Freon 22	10.0	10.8		ppb v/v		108	70 - 130
Freon TF	10.0	12.1		ppb v/v		121	70 - 130
Hexachlorobutadiene	10.0	13.0		ppb v/v		130	70 - 130
Isopropyl alcohol	10.0	9.85		ppb v/v		98	70 - 130
m,p-Xylene	20.0	20.6		ppb v/v		103	70 - 130
Methyl Butyl Ketone (2-Hexanone)	10.0	9.86		ppb v/v		99	70 - 130
Methyl Ethyl Ketone	10.0	9.27		ppb v/v		93	70 - 130
methyl isobutyl ketone	10.0	10.4		ppb v/v		104	70 - 130
Methyl methacrylate	10.0	10.6		ppb v/v		107	70 - 130
Methyl tert-butyl ether	10.0	11.2		ppb v/v		112	70 - 130
Methylene Chloride	10.0	11.1		ppb v/v		111	70 - 130
Naphthalene	10.0	12.8		ppb v/v		128	70 - 130
n-Butane	10.0	10.4		ppb v/v		104	70 - 130
n-Butylbenzene	10.0	11.3		ppb v/v		113	70 - 130
n-Heptane	10.0	9.72		ppb v/v		97	70 - 130
n-Hexane	10.0	10.9		ppb v/v		109	70 - 130
n-Propylbenzene	10.0	10.8		ppb v/v		108	70 - 130
sec-Butylbenzene	10.0	10.9		ppb v/v		109	70 - 130
Styrene	10.0	10.6		ppb v/v		106	70 - 130
tert-Butyl alcohol	10.0	10.3		ppb v/v		103	70 - 130
tert-Butylbenzene	10.0	10.8		ppb v/v		108	70 - 130

TestAmerica Buffalo

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 058507, GM-Lockport Vapor Intrusion

TestAmerica Job ID: 480-53609-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 200-67602/4

Matrix: Air

Analysis Batch: 67602

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Tetrachloroethene	10.0	10.5		ppb v/v		105	70 - 130
Tetrahydrofuran	10.0	10.2		ppb v/v		102	70 - 130
Toluene	10.0	10.0		ppb v/v		100	70 - 130
trans-1,2-Dichloroethene	10.0	10.8		ppb v/v		108	70 - 130
trans-1,3-Dichloropropene	10.0	11.1		ppb v/v		111	70 - 130
Trichloroethene	10.0	10.8		ppb v/v		108	70 - 130
Trichlorofluoromethane	10.0	11.3		ppb v/v		113	70 - 130
Vinyl chloride	10.0	11.7		ppb v/v		117	70 - 130
Xylene, o-	10.0	10.4		ppb v/v		104	70 - 130
Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	55	59.0		ug/m3		108	70 - 130
1,1,1,2-Tetrachloroethane	69	69.8		ug/m3		102	70 - 130
1,1,1,2-Trichloroethane	55	54.3		ug/m3		99	70 - 130
1,1-Dichloroethane	40	45.1		ug/m3		112	70 - 130
1,1-Dichloroethene	40	46.8		ug/m3		118	70 - 130
1,2,4-Trichlorobenzene	74	83.9		ug/m3		113	70 - 130
1,2,4-Trimethylbenzene	49	52.2		ug/m3		106	70 - 130
1,2-Dibromoethane	77	80.3		ug/m3		104	70 - 130
1,2-Dichlorobenzene	60	64.2		ug/m3		107	70 - 130
1,2-Dichloroethane	40	43.0		ug/m3		106	70 - 130
1,2-Dichloropropane	46	48.6		ug/m3		105	70 - 130
1,2-Dichlorotetrafluoroethane	70	79.2		ug/m3		113	70 - 130
1,3,5-Trimethylbenzene	49	52.6		ug/m3		107	70 - 130
1,3-Butadiene	22	25.1		ug/m3		114	70 - 130
1,3-Dichlorobenzene	60	64.7		ug/m3		108	70 - 130
1,4-Dichlorobenzene	60	66.2		ug/m3		110	70 - 130
1,4-Dioxane	36	34.9		ug/m3		97	70 - 130
2,2,4-Trimethylpentane	47	48.6		ug/m3		104	70 - 130
2-Chlorotoluene	52	55.5		ug/m3		107	70 - 130
3-Chloropropene	31	31.5		ug/m3		101	70 - 130
4-Ethyltoluene	49	54.2		ug/m3		110	70 - 130
4-Isopropyltoluene	55	60.7		ug/m3		111	70 - 130
Acetone	24	26.8		ug/m3		113	70 - 130
Benzene	32	33.8		ug/m3		106	70 - 130
Benzyl chloride	52	49.2		ug/m3		95	70 - 130
Bromodichloromethane	67	77.3		ug/m3		115	70 - 130
Bromoethene(Vinyl Bromide)	44	49.4		ug/m3		113	70 - 130
Bromoform	100	122		ug/m3		118	70 - 130
Bromomethane	39	43.1		ug/m3		111	70 - 130
Carbon disulfide	31	31.4		ug/m3		101	70 - 130
Carbon tetrachloride	63	68.7		ug/m3		109	70 - 130
Chlorobenzene	46	47.8		ug/m3		104	70 - 130
Chloroethane	26	29.0		ug/m3		110	70 - 130
Chloroform	49	53.5		ug/m3		110	70 - 130
Chloromethane	21	22.0		ug/m3		107	70 - 130
cis-1,2-Dichloroethene	40	43.8		ug/m3		111	70 - 130
cis-1,3-Dichloropropene	45	48.8		ug/m3		107	70 - 130

TestAmerica Buffalo

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 058507, GM-Lockport Vapor Intrusion

TestAmerica Job ID: 480-53609-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 200-67602/4

Matrix: Air

Analysis Batch: 67602

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cumene	49	52.7		ug/m3		107	70 - 130
Cyclohexane	34	36.4		ug/m3		106	70 - 130
Dibromochloromethane	85	97.1		ug/m3		114	70 - 130
Dichlorodifluoromethane	49	55.5		ug/m3		112	70 - 130
Ethylbenzene	43	46.0		ug/m3		106	70 - 130
Freon 22	35	38.3		ug/m3		108	70 - 130
Freon TF	77	92.6		ug/m3		121	70 - 130
Hexachlorobutadiene	110	139		ug/m3		130	70 - 130
Isopropyl alcohol	25	24.2		ug/m3		98	70 - 130
m,p-Xylene	87	89.4		ug/m3		103	70 - 130
Methyl Butyl Ketone	41	40.4		ug/m3		99	70 - 130
(2-Hexanone)							
Methyl Ethyl Ketone	29	27.3		ug/m3		93	70 - 130
methyl isobutyl ketone	41	42.6		ug/m3		104	70 - 130
Methyl methacrylate	41	43.6		ug/m3		107	70 - 130
Methyl tert-butyl ether	36	40.4		ug/m3		112	70 - 130
Methylene Chloride	35	38.5		ug/m3		111	70 - 130
Naphthalene	52	67.3		ug/m3		128	70 - 130
n-Butane	24	24.8		ug/m3		104	70 - 130
n-Butylbenzene	55	62.3		ug/m3		113	70 - 130
n-Heptane	41	39.9		ug/m3		97	70 - 130
n-Hexane	35	38.5		ug/m3		109	70 - 130
n-Propylbenzene	49	53.3		ug/m3		108	70 - 130
sec-Butylbenzene	55	59.7		ug/m3		109	70 - 130
Styrene	43	45.0		ug/m3		106	70 - 130
tert-Butyl alcohol	30	31.1		ug/m3		103	70 - 130
tert-Butylbenzene	55	59.5		ug/m3		108	70 - 130
Tetrachloroethene	68	70.9		ug/m3		105	70 - 130
Tetrahydrofuran	29	30.1		ug/m3		102	70 - 130
Toluene	38	37.7		ug/m3		100	70 - 130
trans-1,2-Dichloroethene	40	43.0		ug/m3		108	70 - 130
trans-1,3-Dichloropropene	45	50.3		ug/m3		111	70 - 130
Trichloroethene	54	57.8		ug/m3		108	70 - 130
Trichlorofluoromethane	56	63.4		ug/m3		113	70 - 130
Vinyl chloride	26	29.9		ug/m3		117	70 - 130
Xylene, o-	43	45.0		ug/m3		104	70 - 130

TestAmerica Buffalo

QC Association Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 058507, GM-Lockport Vapor Intrusion

TestAmerica Job ID: 480-53609-1

Air - GC/MS VOA

Analysis Batch: 67556

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-53609-1	6VI-1IA-011814	Total/NA	Air	TO-15	
480-53609-2	6VI-1SS-011814	Total/NA	Air	TO-15	
480-53609-3	6VI-2IA-011814	Total/NA	Air	TO-15	
480-53609-4	6VI-2SS-011814	Total/NA	Air	TO-15	
480-53609-5	6VI-3IA-011814	Total/NA	Air	TO-15	
480-53609-6	6VI-3SS-011814	Total/NA	Air	TO-15	
480-53609-8	6VI-5IA-011814	Total/NA	Air	TO-15	
480-53609-9	6VI-5SS-011814	Total/NA	Air	TO-15	
480-53609-10	6VI-6IA-011814	Total/NA	Air	TO-15	
480-53609-11	6VI-6SS-011814	Total/NA	Air	TO-15	
480-53609-12	6VI-7IA-011814	Total/NA	Air	TO-15	
480-53609-13	6VI-7SS-011814	Total/NA	Air	TO-15	
480-53609-14	6VI-8IA-011814	Total/NA	Air	TO-15	
480-53609-15	6VI-OAI-011814	Total/NA	Air	TO-15	
LCS 200-67556/3	Lab Control Sample	Total/NA	Air	TO-15	
MB 200-67556/4	Method Blank	Total/NA	Air	TO-15	

Analysis Batch: 67602

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-53609-7	6VI-4IA-011814	Total/NA	Air	TO-15	
LCS 200-67602/4	Lab Control Sample	Total/NA	Air	TO-15	
MB 200-67602/5	Method Blank	Total/NA	Air	TO-15	

Lab Chronicle

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 058507, GM-Lockport Vapor Intrusion

TestAmerica Job ID: 480-53609-1

Client Sample ID: 6VI-1IA-011814

Date Collected: 01/18/14 18:25

Date Received: 01/21/14 10:15

Lab Sample ID: 480-53609-1

Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1.41	67556	01/23/14 17:01	BPL	TAL BUR

Client Sample ID: 6VI-1SS-011814

Date Collected: 01/18/14 18:23

Date Received: 01/21/14 10:15

Lab Sample ID: 480-53609-2

Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		5	67556	01/23/14 17:50	BPL	TAL BUR

Client Sample ID: 6VI-2IA-011814

Date Collected: 01/18/14 18:47

Date Received: 01/21/14 10:15

Lab Sample ID: 480-53609-3

Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1	67556	01/23/14 18:40	BPL	TAL BUR

Client Sample ID: 6VI-2SS-011814

Date Collected: 01/18/14 18:45

Date Received: 01/21/14 10:15

Lab Sample ID: 480-53609-4

Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1	67556	01/23/14 19:30	BPL	TAL BUR

Client Sample ID: 6VI-3IA-011814

Date Collected: 01/18/14 18:30

Date Received: 01/21/14 10:15

Lab Sample ID: 480-53609-5

Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1.31	67556	01/23/14 20:19	BPL	TAL BUR

Client Sample ID: 6VI-3SS-011814

Date Collected: 01/18/14 15:38

Date Received: 01/21/14 10:15

Lab Sample ID: 480-53609-6

Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1	67556	01/23/14 21:09	BPL	TAL BUR

TestAmerica Buffalo

Lab Chronicle

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 058507, GM-Lockport Vapor Intrusion

TestAmerica Job ID: 480-53609-1

Client Sample ID: 6VI-4IA-011814

Lab Sample ID: 480-53609-7

Date Collected: 01/18/14 18:10

Matrix: Air

Date Received: 01/21/14 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		2	67602	01/24/14 18:22	BPL	TAL BUR

Client Sample ID: 6VI-5IA-011814

Lab Sample ID: 480-53609-8

Date Collected: 01/18/14 18:18

Matrix: Air

Date Received: 01/21/14 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1.24	67556	01/23/14 22:49	BPL	TAL BUR

Client Sample ID: 6VI-5SS-011814

Lab Sample ID: 480-53609-9

Date Collected: 01/18/14 18:17

Matrix: Air

Date Received: 01/21/14 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		16.5	67556	01/23/14 23:37	BPL	TAL BUR

Client Sample ID: 6VI-6IA-011814

Lab Sample ID: 480-53609-10

Date Collected: 01/18/14 14:10

Matrix: Air

Date Received: 01/21/14 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1	67556	01/24/14 00:26	BPL	TAL BUR

Client Sample ID: 6VI-6SS-011814

Lab Sample ID: 480-53609-11

Date Collected: 01/18/14 13:39

Matrix: Air

Date Received: 01/21/14 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		4	67556	01/24/14 01:15	BPL	TAL BUR

Client Sample ID: 6VI-7IA-011814

Lab Sample ID: 480-53609-12

Date Collected: 01/18/14 18:14

Matrix: Air

Date Received: 01/21/14 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1	67556	01/24/14 02:05	BPL	TAL BUR

TestAmerica Buffalo

Lab Chronicle

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 058507, GM-Lockport Vapor Intrusion

TestAmerica Job ID: 480-53609-1

Client Sample ID: 6VI-7SS-011814

Lab Sample ID: 480-53609-13

Date Collected: 01/18/14 18:13

Matrix: Air

Date Received: 01/21/14 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		332	67556	01/24/14 02:53	BPL	TAL BUR

Client Sample ID: 6VI-8IA-011814

Lab Sample ID: 480-53609-14

Date Collected: 01/18/14 18:18

Matrix: Air

Date Received: 01/21/14 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1.27	67556	01/24/14 03:43	BPL	TAL BUR

Client Sample ID: 6VI-OAI-011814

Lab Sample ID: 480-53609-15

Date Collected: 01/18/14 17:10

Matrix: Air

Date Received: 01/21/14 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1	67556	01/24/14 04:32	BPL	TAL BUR

Laboratory References:

TAL BUR = TestAmerica Burlington, 30 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990

Certification Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 058507, GM-Lockport Vapor Intrusion

TestAmerica Job ID: 480-53609-1

Laboratory: TestAmerica Buffalo

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Arkansas DEQ	State Program	6	88-0686	07-06-14
California	NELAP	9	1169CA	09-30-14
Connecticut	State Program	1	PH-0568	09-30-14
Florida	NELAP	4	E87672	06-30-14
Georgia	State Program	4	N/A	03-31-14
Illinois	NELAP	5	200003	09-30-14
Iowa	State Program	7	374	03-01-15
Kansas	NELAP	7	E-10187	01-31-14
Kentucky (DW)	State Program	4	90029	12-31-14
Kentucky (UST)	State Program	4	30	04-01-14
Louisiana	NELAP	6	02031	06-30-14
Maine	State Program	1	NY00044	12-04-14
Maryland	State Program	3	294	03-31-14
Massachusetts	State Program	1	M-NY044	06-30-14
Michigan	State Program	5	9937	04-01-14
Minnesota	NELAP	5	036-999-337	12-31-14
New Hampshire	NELAP	1	2337	11-17-14
New Jersey	NELAP	2	NY455	06-30-14
New York	NELAP	2	10026	03-31-14
North Dakota	State Program	8	R-176	03-31-14
Oklahoma	State Program	6	9421	08-31-14
Oregon	NELAP	10	NY200003	06-09-14
Pennsylvania	NELAP	3	68-00281	07-31-14
Rhode Island	State Program	1	LAO00328	12-30-14
Tennessee	State Program	4	TN02970	04-01-14
Texas	NELAP	6	T104704412-11-2	07-31-14
USDA	Federal		P330-11-00386	11-22-14
Virginia	NELAP	3	460185	09-14-14
Washington	State Program	10	C784	02-10-14
West Virginia DEP	State Program	3	252	03-31-14
Wisconsin	State Program	5	998310390	08-31-14

Laboratory: TestAmerica Burlington

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Connecticut	State Program	1	PH-0751	09-30-15
DE Haz. Subst. Cleanup Act (HSCA)	State Program	3	NA	02-13-15
Florida	NELAP	4	E87467	06-30-14
L-A-B	DoD ELAP		L2336	02-26-14 *
Louisiana	NELAP	6	176292	06-30-14
Maine	State Program	1	VT00008	04-17-15
Minnesota	NELAP	5	050-999-436	12-31-14
New Hampshire	NELAP	1	2006	12-18-14
New Jersey	NELAP	2	VT972	06-30-14
New York	NELAP	2	10391	04-01-14
Pennsylvania	NELAP	3	68-00489	04-30-14
Rhode Island	State Program	1	LAO00298	12-30-13 *
US Fish & Wildlife	Federal		LE-058448-0	02-28-14
USDA	Federal		P330-11-00093	10-28-16

* Expired certification is currently pending renewal and is considered valid.

TestAmerica Buffalo

Certification Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 058507, GM-Lockport Vapor Intrusion

TestAmerica Job ID: 480-53609-1

Laboratory: TestAmerica Burlington (Continued)

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Vermont	State Program	1	VT-4000	12-31-14
Virginia	NELAP	3	460209	12-14-14

Method Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 058507, GM-Lockport Vapor Intrusion

TestAmerica Job ID: 480-53609-1

Method	Method Description	Protocol	Laboratory
TO-15	Volatile Organic Compounds in Ambient Air	EPA	TAL BUR

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

TAL BUR = TestAmerica Burlington, 30 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990

Sample Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 058507, GM-Lockport Vapor Intrusion

TestAmerica Job ID: 480-53609-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-53609-1	6VI-1IA-011814	Air	01/18/14 18:25	01/21/14 10:15
480-53609-2	6VI-1SS-011814	Air	01/18/14 18:23	01/21/14 10:15
480-53609-3	6VI-2IA-011814	Air	01/18/14 18:47	01/21/14 10:15
480-53609-4	6VI-2SS-011814	Air	01/18/14 18:45	01/21/14 10:15
480-53609-5	6VI-3IA-011814	Air	01/18/14 18:30	01/21/14 10:15
480-53609-6	6VI-3SS-011814	Air	01/18/14 15:38	01/21/14 10:15
480-53609-7	6VI-4IA-011814	Air	01/18/14 18:10	01/21/14 10:15
480-53609-8	6VI-5IA-011814	Air	01/18/14 18:18	01/21/14 10:15
480-53609-9	6VI-5SS-011814	Air	01/18/14 18:17	01/21/14 10:15
480-53609-10	6VI-6IA-011814	Air	01/18/14 14:10	01/21/14 10:15
480-53609-11	6VI-6SS-011814	Air	01/18/14 13:39	01/21/14 10:15
480-53609-12	6VI-7IA-011814	Air	01/18/14 18:14	01/21/14 10:15
480-53609-13	6VI-7SS-011814	Air	01/18/14 18:13	01/21/14 10:15
480-53609-14	6VI-8IA-011814	Air	01/18/14 18:18	01/21/14 10:15
480-53609-15	6VI-OAI-011814	Air	01/18/14 17:10	01/21/14 10:15

TestAmerica Burlington

30 Community Drive

Suite 11

South Burlington, VT 05403

phone 802-660-1990 fax 802-660-1919

Canister Samples Chain of Custody Record

TestAmerica Analytical Testing Corp. assumes no liability with respect to the collection and shipment of these samples.

Client Contact Information		Project Manager: <u>Christopher Baron</u>		Samples Collected By: <u>T. Bohlen</u>		1 of 3 COCs													
Company: <u>GEA GeoEnvironmental</u>		Phone: <u>716-844-7046</u>																	
Address: <u>535 Washington St.</u>		Email: <u>christopher.baron@gea.com</u>																	
City/State/Zip: <u>Buffalo, NY 14203</u>																			
Phone: <u>716-844-7046</u>		Site Contact: <u>T. Bohlen</u>																	
FAX: <u>716-844-7046</u>		TA Contact: <u>M. DeLo</u>																	
Project Name: <u>Bldg. 6 VI Investigation</u>		Analysis Turnaround Time																	
Site: <u>GMCH/ Delphi, Lockport, NY</u>		Standard (Specify) <u>X</u>																	
PO# <u>SSAW-256019</u>		Rush (Specify)																	
Sample Identification	Sample Date(s)	Time Start	Time Stop	Canister Vacuum in Field, "Hg (Start)	Canister Vacuum in Field, "Hg (Stop)	Flow Controller ID	Canister ID	TO-15	MA-APH	EPA 3C	EPA 25C	ASTM D-1946	Other (Please specify in notes section)	Sample Type	Indoor Air	Ambient Air	Soil Gas	Landfill Gas	Other (Please specify in notes section)
6VI-1IA-011814	11/8/14	1227	1825	-29	-13.5	3931	3515	X											
6VI-1SS-011814		1030	1823	-29	-6	3946	5111	X											
6VI-2IA-011814		1130	1847	-30	-10	5182	3686	X											
6VI-2SS-011814		1130	1845	-28	-7	3442	2537	X											
6VI-3IA-011814		1200	1830	-30	-11.5	4053	5155	X											
6VI-3SS-011814		945	1538	-30	-5	4499	3412	X											
		Interior		Ambient		Temperature (Fahrenheit)													
Start																			
Stop																			
		Interior		Ambient		Pressure (inches of Hg)													
Start																			
Stop																			
Special Instructions/QC Requirements & Comments:																			
Samples Shipped by: <u>Thomas Bohlen</u>		Date Time: <u>1/30/14 1~16:30</u>		Samples Received by: <u>UPS</u>															
Samples Relinquished by:		Date Time:		Received by: <u>TA</u>															
Relinquished by:		Date Time:		Received by:															

Lab Use Only

Shipped Name: Condition:

TestAmerica Burlington

30 Community Drive

Suite 11

South Burlington, VT 05403

phone 802-660-1990 fax 802-660-1919

Canister Samples Chain of Custody Record

TestAmerica Analytical Testing Corp. assumes no liability with respect to the collection and shipment of these samples.

Client Contact Information		Project Manager: Christopher Baron		Samples Collected By: T. Bohlen		2 of 3 COCs															
Company: 63A Geo Environmental		Phone: 716-844-7046																			
Address: 535 Washington St.		Email: christopher.baron@63a.com																			
City/State/Zip: Buffalo, NY 14203																					
Phone: 716-844-7046		Site Contact: T. Bohlen																			
FAX: 716-844-7046		TA Contact: M. DeLo																			
Project Name: Bldg. 6 VI Investigation		Analysis Turnaround Time																			
Site: GMCH/DeLohi Lockport, NY		Standard (Specify)																			
POSSON: 256019		Rush (Specify)																			
Sample Identification		Sample Date(s)	Time Start	Time Stop	Canister Vacuum In Field, "Hg (Start)	Canister Vacuum In Field, "Hg (Stop)	Flow Controller ID	Canister ID	TO-15	MA-APH	EPA 3C	EPA 25C	ASTM D-1946	Other (Please specify in notes section)	Sample Type	Indoor Air	Ambient Air	Soil Gas	Landfill Gas	Other (Please specify in notes section)	
6VI-4IA-011814		11/8/14	945	1810	-7.30	-7.5	5176	5142	X												
6VI-5IA-011814			1110	1818	-7.30	-9	3786	3563	X												
6VI-5SS-011814			1110	1817	-7.30	-7.5	4517	3758	X												
6VI-6IA-011814			1005	1410	-7.30	-5	3123	3668	X												
6VI-6SS-011814			1005	1339	-16	-15.5	3294	5153	X												
6VI-7IA-011814			1045	1814	-29	-8.5	4056	4016	X											X	
Special Instructions/QC Requirements & Comments: X- subst water may have entered regulator/canister		Interior		Ambient		Temperature (Fahrenheit)															
		Start																			
		Stop																			
		Interior		Ambient		Pressure (inches of Hg)															
		Start																			
		Stop																			
Samples Shipped by: Thomas Bohlen		Date/Time: 1/20/14 1~16:30		Samples Received by: UPS		Date/Time: 1/20/14 1~16:30															
Samples Relinquished by:		Date/Time:		Received by: T. Bohlen		Date/Time:															
Relinquished by:		Date/Time:		Received by:		Date/Time:															
Lab Use Only		Shipped Name:		Received by:		Date/Time:															

Login Sample Receipt Checklist

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 480-53609-1

Login Number: 53609

List Source: TestAmerica Burlington

List Number: 1

List Creation: 01/22/14 10:30 AM

Creator: Lavigne, Scott M

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	True	Not present
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	Thermal preservation not required.
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	AMBIENT
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	N/A	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	

Pre-Shipment Clean Canister Certification Report

200-20208-A-1

4158

Location: Air-Storage

Bottle: Summa Canister 6L

Sampled: 12/20/2013 12:00 AM 200-614199

Loc: 200

20208

#1

A

Certification Type: ☐ Batch ☒ Individual

Canister Cleaning & Pre-Shipment Leak Test

System ID		# Cycles		Cleaning Date		Technician		Canister Size		
TOP		100		12/20/13		ME		6L 1L 3L		
Leak Test										
Port	Can ID	Initial ¹ ("Hg)	Final ("Hg)	Adjusted Initial ² ("Hg)	Difference ³	Initial Reading Gauge ID: 6U Date: 12/24/13 Time: 1245 Tech: ME BP: 29.8 ("Hg) Temp: 22 (°C)	Final Reading Gauge ID: 6U Date: 1/9/14 Time: 1040 Tech: ME BP: 30.1 ("Hg) Temp: 22 (°C)			
1	4158	29.8								
2	2888									
3	2748		-30.2	-30.1	0.1					
4	4126									
5	4100									
6	3258									
7	3129									
8	3562		-30.2	-30.1						
9	3219									
10	3515		-30.2	-30.1	0.1					
11	3545									
12	2905									

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 reading³ To calculate Difference, subtract the Adjusted Initial Pressure from the Final Pressure (See Acceptance Criteria)

Clean Canister Certification Analysis & Authorization of Release to Inventory

Test Method: ☐ TO15 Routine ☐ TO15 LL ☐ NJDEP-LL TO15				Inventory Level					Secondary Review	
Can ID	Date	Sequence	Analyst	1	2	3	4	Limited	Review Date	Reviewer
4158		RECLEAN								
2888		RECLEAN								
2748	1/7/13	WAKP	BL		✓				1/3/14	Ans
4126		RECLEAN								
4100		RECLEAN								
3258		RECLEAN								
3129		RECLEAN								
3562	1/7/13	WAKP	BL		✓			✓	1/7/14	Ans
3219		RECLEAN								
3515	1/7/13	WAKP	BL		✓				1/7/14	Ans
3545		WAKP	I		✓				1/7/14	Ans
2905		WAKP	I		✓			✓	1/7/14	Ans

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:

#8, #12 Limited use for SO₂ TIC
Good for any order per D.C.D.

Routine



200-20208-A-2

2888

Location: Air-Storage

Bottle: Summa Canister 6L

Sampled: 12/20/2013 12:00 AM 200-614200

Loc: 200

20208

#2

A



200-20208-A-3

2748

Location: Air-Storage

Bottle: Summa Canister 6L

Sampled: 12/20/2013 12:00 AM 200-614201

Loc: 200

20208

#3

A



200-20208-A-4

4128

Location: Air-Storage

Bottle: Summa Canister 6L

Sampled: 12/20/2013 12:00 AM 200-614202

Loc: 200

20208

#4

A



200-20208-A-5

4100

Location: Air-Storage

Bottle: Summa Canister 6L

Sampled: 12/20/2013 12:00 AM 200-614203

Loc: 200

20208

#5

A



200-20208-A-6

3288

Location: Air-Storage

Bottle: Summa Canister 6L

Sampled: 12/20/2013 12:00 AM 200-614204

Loc: 200

20208

#6

A



200-20208-A-7

3129

Location: Air-Storage

Bottle: Summa Canister 6L

Sampled: 12/20/2013 12:00 AM 200-614205

Loc: 200

20208

#7

A



200-20208-A-8

3682

Location: Air-Storage

Bottle: Summa Canister 6L

Sampled: 12/20/2013 12:00 AM 200-614206

Loc: 200

20208

#8

A



200-20208-A-9

3219

Location: Air-Storage

Bottle: Summa Canister 6L

Sampled: 12/20/2013 12:00 AM 200-614207

Loc: 200

20208

#9

A



200-20208-A-10

3616

Location: Air-Storage

Bottle: Summa Canister 6L

Sampled: 12/20/2013 12:00 AM 200-614208

Loc: 200

20208

#10

A



200-20208-A-11

3646

Location: Air-Storage

Bottle: Summa Canister 6L

Sampled: 12/20/2013 12:00 AM 200-614209

Loc: 200

20208

#11

A



200-20208-A-12

2805

Location: Air-Storage

Bottle: Summa Canister 6L

Sampled: 12/20/2013 12:00 AM 200-614210

Loc: 200

20208

#12

A

Pre-Shipment Clean Canister Certification Report



200-20209-A-1

6080

Location: Air-Storage

Bottle: Summa Canister 6L

Sampled: 12/20/2013 12:00 AM 200-614211

Loc: 200

20209

#1

A

Certification Type: ☐ Batch ☒ Individual

Canister Cleaning & Pre-Shipment Leak Test

System ID		# Cycles	Cleaning Date	Technician	Canister Size		
Bottom		100	12/20/13	MS	6L	1L	3L

Leak Test									
Port	Can ID	Initial ¹ ("Hg)	Final ("Hg)	Adjusted Initial ² ("Hg)	Difference ³	Initial Reading		Final Reading	
						Gauge ID:	Date:	Gauge ID:	Date:
1	5080	-29.8	-30.2	-30.1	0.1	G11	12/24/13	G11	1/9/14
2	3412						1250		1415
3	2908								
4	3552								
5	5153								
6	3758								
7	4235								
8	5042								
9	4160								
10	3668								
11	4794								
12	3573								

Tech: MC
 BP: 29.8 ("Hg)
 Temp: 22 (°C)

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 reading³ To calculate Difference, subtract the Adjusted Initial Pressure from the Final Pressure (See Acceptance Criteria)

Clean Canister Certification Analysis & Authorization of Release to Inventory

Test Method: ☐ TO15 Routine ☐ TO15 LL ☐ NJDEP-LL TO15					Inventory Level				Secondary Review	
Can ID	Date	Sequence	Analyst	1	2	3	4	Limited	Review Date	Reviewer
5080	1/2/14	20140107-WAKG-TOLS	BC		✓				1/8/14	ANJ
3412	1/8/14	20140107-WAKG-TOLS	BC		✓					
2908					✓					
3552					✓					
5153					✓					
3758					✓					
4235					✓					
5042					✓					
4160					✓					
3668					✓					
4794					✓					
3573					✓					

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

 SO₂ as a TIC in sample #2, #6
 OK for use per DCD.



200-20209-A-2
3412
Location: Air-Storage
Bottle: Summa Canister 6L
Sampled: 12/20/2013 12:00 AM 200-614212

Loc: 200
20209
#2
A



200-20209-A-3
2908
Location: Air-Storage
Bottle: Summa Canister 6L
Sampled: 12/20/2013 12:00 AM 200-614213

Loc: 200
20209
#3
A



200-20209-A-4
3662
Location: Air-Storage
Bottle: Summa Canister 6L
Sampled: 12/20/2013 12:00 AM 200-614214

Loc: 200
20209
#4
A



200-20209-A-5
6163
Location: Air-Storage
Bottle: Summa Canister 6L
Sampled: 12/20/2013 12:00 AM 200-614215

Loc: 200
20209
#5
A



200-20209-A-6
3768
Location: Air-Storage
Bottle: Summa Canister 6L
Sampled: 12/20/2013 12:00 AM 200-614216

Loc: 200
20209
#6
A



200-20209-A-7
4235
Location: Air-Storage
Bottle: Summa Canister 6L
Sampled: 12/20/2013 12:00 AM 200-614217

Loc: 200
20209
#7
A



200-20209-A-8
5042
Location: Air-Storage
Bottle: Summa Canister 6L
Sampled: 12/20/2013 12:00 AM 200-614218

Loc: 200
20209
#8
A



200-20209-A-9
4180
Location: Air-Storage
Bottle: Summa Canister 6L
Sampled: 12/20/2013 12:00 AM 200-614219

Loc: 200
20209
#9
A



200-20209-A-10
3668
Location: Air-Storage
Bottle: Summa Canister 6L
Sampled: 12/20/2013 12:00 AM 200-614220

Loc: 200
20209
#10
A



200-20209-A-11
4794
Location: Air-Storage
Bottle: Summa Canister 6L
Sampled: 12/20/2013 12:00 AM 200-614221

Loc: 200
20209
#11
A



200-20209-A-12
3573
Location: Air-Storage
Bottle: Summa Canister 6L
Sampled: 12/20/2013 12:00 AM 200-614222

Loc: 200
20209
#12
A

200-20311-A-8

4087

Location: Air-Storage

Bottle: Summa Canister 6L

Sampled: 1/3/2014 12:00 AM 200-616918

Loc: 200

20311

#8

A

Pre-Shipment Clean Canister Certification Report

Certification Type: ☒ Batch ☐ Individual

Canister Cleaning & Pre-Shipment Leak Test													
System ID		# Cycles	Cleaning Date		Technician		Canister Size						
Oven		15	1/3/14		VS		6L 1L 3L						
Leak Test													
Port	Can ID	Initial ¹ ("Hg)	Final ("Hg)	Adjusted Initial ² ("Hg)	Difference ³	Initial Reading		Final Reading					
						Gauge ID:	Date:	Gauge ID:	Date:				
1	2537	-30.0	-30.1	-29.9	0.2	Gauge ID: 611	Date: 1/4/14	Gauge ID: 611	Date: 1/10/14				
2	A155	↓	↓	↓		Time: 830		Time: 1430					
3	2573					Tech: MC		Tech: VS					
4	5142					BP: 30.0 ("Hg)		BP: 29.9 ("Hg)					
5	3394					Temp 22 (°C)		Temp 22 (°C)					
6	4016					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:							
7	3255												
8	4087												
9	3686												
10	2953												
11	3563												
12	5155									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.

²To calculate Adjusted Initial Pressure, subtract Final BP from Initial BP and add the result (positive or negative) to the initial pressure reading.

³To calculate Difference, subtract the Adjusted Initial Pressure from the Final Pressure (See Acceptance Criteria)

[illegible]

Inventory Level 1: Individual Canister Certification Only. Certified clean to RLs listed in laboratory SOP for LLTO15.

Inventory Level 2: Individual or Batch Certification. Certified clean to 0.04 ppbv.

Inventory Level 3: Individual or Batch Certification. Certified clean to 0.20 ppbv.

Inventory Level 4: Individual or Batch Certification. Certified clean following procedures and RLs listed in laboratory SOP NJDEP-LLT015.

Inventory Level Limited Use: Canisters may only be used for certain projects.

Comments:

Pre-Shipment Clean Canister Certification Report



200-20356-A-2

4209
Location: Air Storage
Bottle: Summa Canister 6L
Sampled: 1/7/2014 12:00 AM 200-617764

Loc: 200
20356
#2
A

Certification Type: ☒ Batch ☐ Individual

Canister Cleaning & Pre-Shipment Leak Test									
System ID		# Cycles		Cleaning Date		Technician		Canister Size	
TOP		15		1/7/14		VS		6L 1L 3L	
Leak Test									
Port	Can ID	Initial ¹ ("Hg)	Final ("Hg)	Adjusted Initial ² ("Hg)	Difference ³	Initial Reading		Final Reading	
1	4128	-30.0	-30.3	-30.1	0.2	Gauge ID: 64		Gauge ID: 611	
2	4209					Date: 1/8/14		Date: 1/9/14	
3	~~2861~~					Time: 1015		Time: 1300	
4	4783					Tech: MC		Tech: MT	
5	5111					BP: 30.0 ("Hg)		BP: 30.1 ("Hg)	
6	3712					Temp 22 (°C)		Temp: 22 (°C)	
7	4468					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:			
8	3389								
9	5115								
10	4293								
11	4317								
12	3365					Signature		Date	

¹ Batch Certification: The reading is taken on the "batch" canister and this value is used as the initial pressure for all canisters in the batch.

² To calculate Adjusted Initial Pressure, subtract Final BP from Initial BP and add the result (positive or negative) to the initial pressure reading.

³ To calculate Difference, subtract the Adjusted Initial Pressure from the Final Pressure (See Acceptance Criteria)

Clean Canister Certification Analysis & Authorization of Release to Inventory										
Test Method: ☐ TO15 Routine ☐ TO15 LL ☐ NJDEP-LL TO15					Inventory Level				Secondary Review	
Can ID	Date	Sequence	Analyst	1	2	3	4	Limited	Review Date	Reviewer
4209	1/9/14	BLFE	BL		✓				1/9/14	AN

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:

Router

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

Lab Name: TestAmerica Burlington Job No.: 200-20208-1
 SDG No.: _____
 Client Sample ID: 2748 Lab Sample ID: 200-20208-3
 Matrix: Air Lab File ID: wakm23.d
 Analysis Method: TO-15 Date Collected: 12/20/2013 00:00
 Sample wt/vol: 1000 (mL) Date Analyzed: 01/01/2014 04:57
 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.: 66673 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.: 200-20208-1
 SDG No.: _____
 Client Sample ID: 2748 Lab Sample ID: 200-20208-3
 Matrix: Air Lab File ID: wakm23.d
 Analysis Method: TO-15 Date Collected: 12/20/2013 00:00
 Sample wt/vol: 1000 (mL) Date Analyzed: 01/01/2014 04:57
 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.: 66673 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.: 200-20208-1
 SDG No.: _____
 Client Sample ID: 2748 Lab Sample ID: 200-20208-3
 Matrix: Air Lab File ID: wakm23.d
 Analysis Method: TO-15 Date Collected: 12/20/2013 00:00
 Sample wt/vol: 1000 (mL) Date Analyzed: 01/01/2014 04:57
 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.: 66673 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.040	U	0.040	0.040
104-51-8	n-Butylbenzene	0.040	U	0.040	0.040
95-50-1	1,2-Dichlorobenzene	0.040	U	0.040	0.040
120-82-1	1,2,4-Trichlorobenzene	0.10	U	0.10	0.10
87-68-3	Hexachlorobutadiene	0.040	U	0.040	0.040
91-20-3	Naphthalene	0.10	U	0.10	0.10

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20131231-5600.b\wakm23.d
 Lims ID: 200-20208-A-3 Lab Sample ID: 200-20208-3
 Client ID: 2748
 Sample Type: Client
 Inject. Date: 01-Jan-2014 04:57:30 ALS Bottle#: 6 Worklist Smp#: 23
 Purge Vol: 200.000 mL Dil. Factor: 0.2000
 Sample Info: 200-0005600-023
 Misc. Info.: 20208-3
 Operator ID: wrd Instrument ID: CHW.i
 Method: \\BTV-LIMS1\ChromData\CHW.i\20131231-5600.b\TO15v5_W.m
 Limit Group: AI_TO15_Limits
 Last Update: 02-Jan-2014 13:40:07 Calib Date: 12-Dec-2013 23:57:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20131212-5428.b\wak011.d
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: XAWRK033

First Level Reviewer: lyonsb

Date: 02-Jan-2014 13:27:49

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
1 Propene	41		4.389					
6 Dichlorodifluoromethane	85		4.480					
7 Chlorodifluoromethane	51		4.549					
8 1,2-Dichloro-1,1,2,2-tetrafluoro	85		4.838					
9 Chloromethane	50		5.031					
10 Butane	43		5.298					
11 Vinyl chloride	62		5.357					
12 Butadiene	54		5.453					
13 Bromomethane	94		6.320					
14 Chloroethane	64		6.603					
16 Vinyl bromide	106		7.085					
17 Trichlorofluoromethane	101		7.203					
19 Ethanol	45	7.833	7.823	0.010	92	6218	0.7544	
22 1,1,2-Trichloro-1,2,2-trifluoro	101		8.454					
23 1,1-Dichloroethene	96		8.529					
24 Acetone	43	8.770	8.765	0.005	67	8739	0.2156	M
26 Carbon disulfide	76	9.005	9.011	-0.006	37	1123	0.0122	
27 Isopropyl alcohol	45	9.064	9.048	0.016	55	3561	0.1238	M
28 3-Chloro-1-propene	41		9.417					
30 Methylene Chloride	49	9.733	9.749	-0.016	40	1124	0.0468	
31 2-Methyl-2-propanol	59		9.926					
S 38 1,2-Dichloroethene, Total	61		10.000					
32 Methyl tert-butyl ether	73		10.177					
33 trans-1,2-Dichloroethene	61		10.247					
35 Hexane	57		10.664					
36 1,1-Dichloroethane	63		11.209					
37 Vinyl acetate	43		11.252					
39 cis-1,2-Dichloroethene	96		12.386					
40 2-Butanone (MEK)	72		12.402					
41 Ethyl acetate	88		12.424					
43 Tetrahydrofuran	42		12.863					

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
* 42 Chlorobromomethane	128	12.857	12.868	-0.011	69	290845	10.0	
44 Chloroform	83		12.980					
45 Cyclohexane	84		13.274					
46 1,1,1-Trichloroethane	97		13.285					
48 Carbon tetrachloride	117		13.542					
49 Isooctane	57		13.938					
50 Benzene	78		13.997					
51 1,2-Dichloroethane	62		14.157					
52 n-Heptane	43		14.286					
* 53 1,4-Difluorobenzene	114	14.745	14.756	-0.011	92	1419378	10.0	
55 Trichloroethene	95		15.216					
S 63 Xylenes, Total	106		15.600					
56 1,2-Dichloropropane	63		15.741					
57 Methyl methacrylate	69		15.821					
58 1,4-Dioxane	88		15.912					
59 Dibromomethane	174		15.981					
60 Dichlorobromomethane	83		16.227					
64 cis-1,3-Dichloropropene	75		17.094					
65 4-Methyl-2-pentanone (MIBK)	43		17.330					
66 Toluene	92		17.667					
68 trans-1,3-Dichloropropene	75		18.196					
69 1,1,2-Trichloroethane	83		18.565					
70 Tetrachloroethene	166		18.704					
71 2-Hexanone	43		18.956					
72 Chlorodibromomethane	129		19.320					
73 Ethylene Dibromide	107		19.608					
* 75 Chlorobenzene-d5	117	20.448	20.448	0.0	83	1222281	10.0	
76 Chlorobenzene	112		20.507					
77 Ethylbenzene	91		20.625					
79 m-Xylene & p-Xylene	106		20.839					
80 o-Xylene	106		21.550					
81 Styrene	104		21.588					
82 Bromoform	173		21.962					
83 Isopropylbenzene	105		22.118					
* 107 4-Bromofluorobenzene	95	22.449	22.449	0.0	0	768975	10.0	
85 1,1,2,2-Tetrachloroethane	83		22.674					
86 N-Propylbenzene	91		22.749					
84 4-Ethyltoluene	105		22.915					
89 2-Chlorotoluene	91		22.947					
90 1,3,5-Trimethylbenzene	105		23.006					
92 tert-Butylbenzene	119		23.482					
93 1,2,4-Trimethylbenzene	105		23.578					
94 sec-Butylbenzene	105		23.813					
95 4-Isopropyltoluene	119		24.017					
96 1,3-Dichlorobenzene	146		24.086					
97 1,4-Dichlorobenzene	146		24.231					
98 Benzyl chloride	91		24.439					
100 n-Butylbenzene	91		24.653					
101 1,2-Dichlorobenzene	146		24.835					
103 1,2,4-Trichlorobenzene	180		27.729					
104 Hexachlorobutadiene	225		27.938					
105 Naphthalene	128		28.323					

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
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110 BFB

QC Flag Legend

Review Flags

M - Manually Integrated

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20131231-5600.b\wakm23.d

Injection Date: 01-Jan-2014 04:57:30

Instrument ID: CHW.i

Operator ID: wrd

Lims ID: 200-20208-A-3

Lab Sample ID: 200-20208-3

Worklist Smp#: 23

Client ID: 2748

Purge Vol: 200.000 mL

Dil. Factor: 0.2000

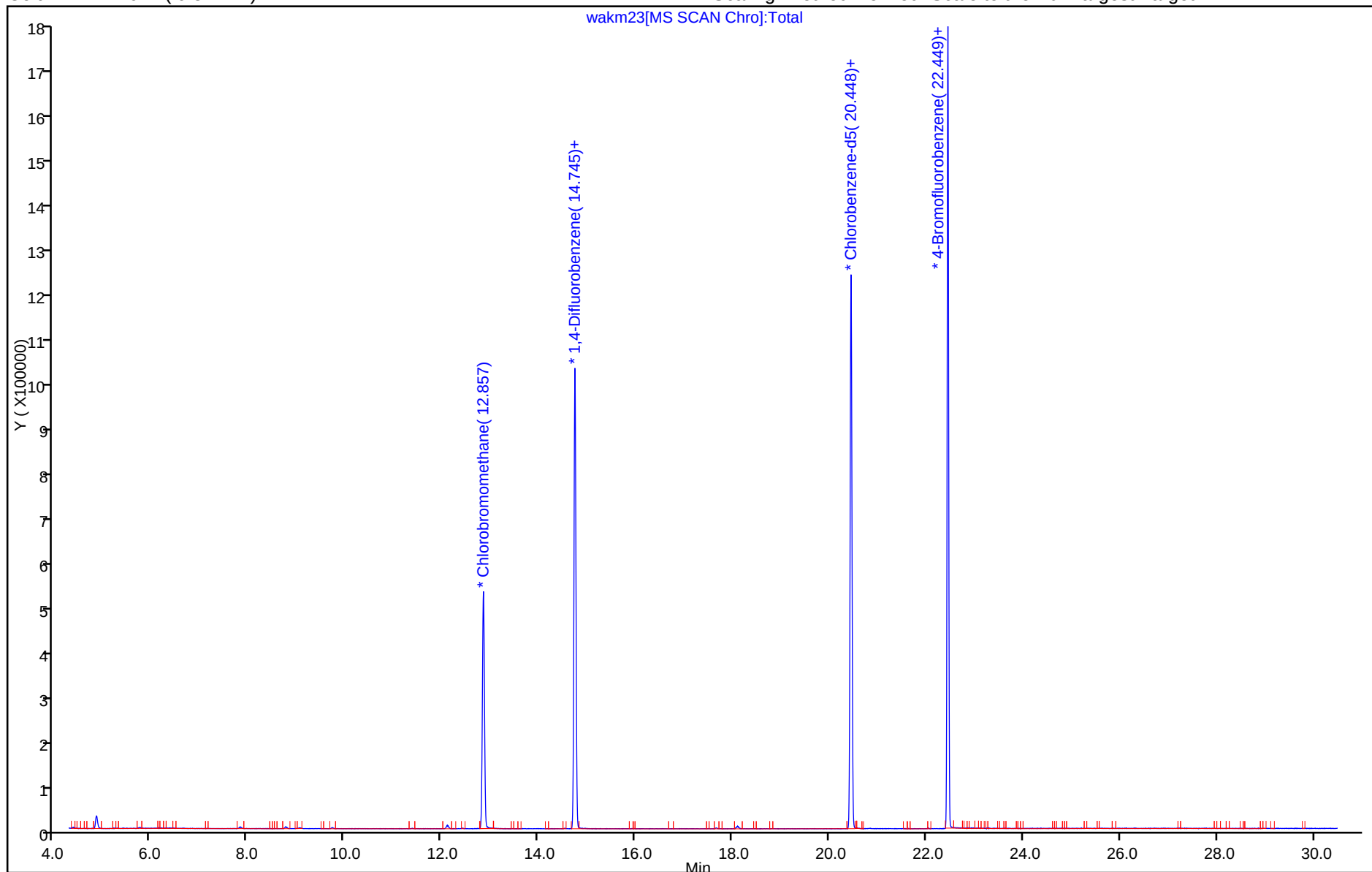
ALS Bottle#: 6

Method: TO15v5_W

Limit Group: AI_TO15_Limits

Column: RTX-624 (0.32 mm)

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



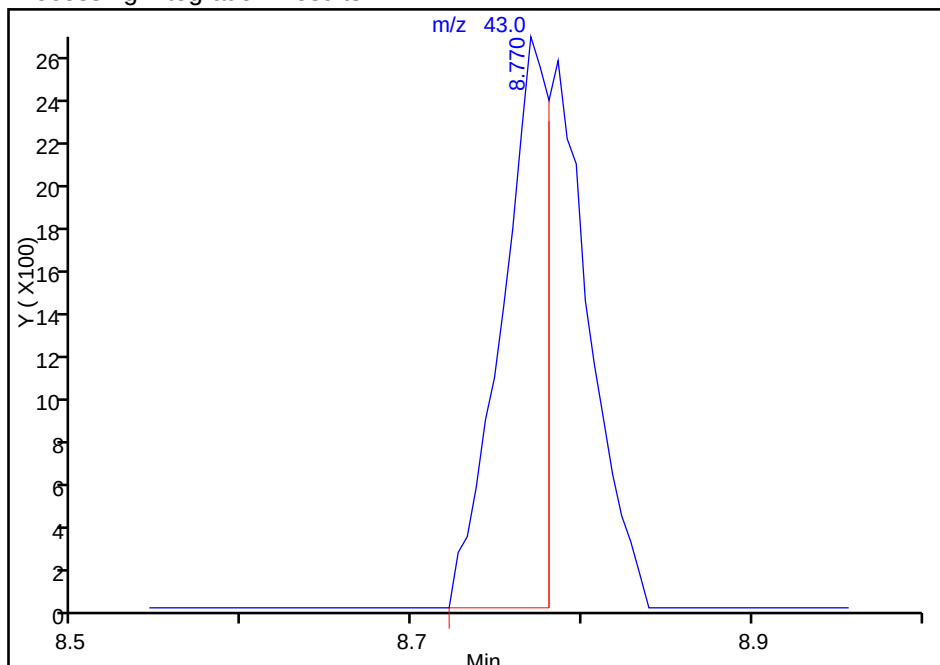
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20131231-5600.b\wakm23.d		
Injection Date:	01-Jan-2014 04:57:30	Instrument ID:	CHW.i
Lims ID:	200-20208-A-3	Lab Sample ID:	200-20208-3
Client ID:	2748		
Operator ID:	wrd	ALS Bottle#:	6
Purge Vol:	200.000 mL	Dil. Factor:	0.2000
Method:	TO15v5_W	Limit Group:	AI_TO15_Limits
Column:	RTX-624 (0.32 mm)	Detector:	MS SCAN
		Worklist Smp#:	23

24 Acetone, CAS: 67-64-1

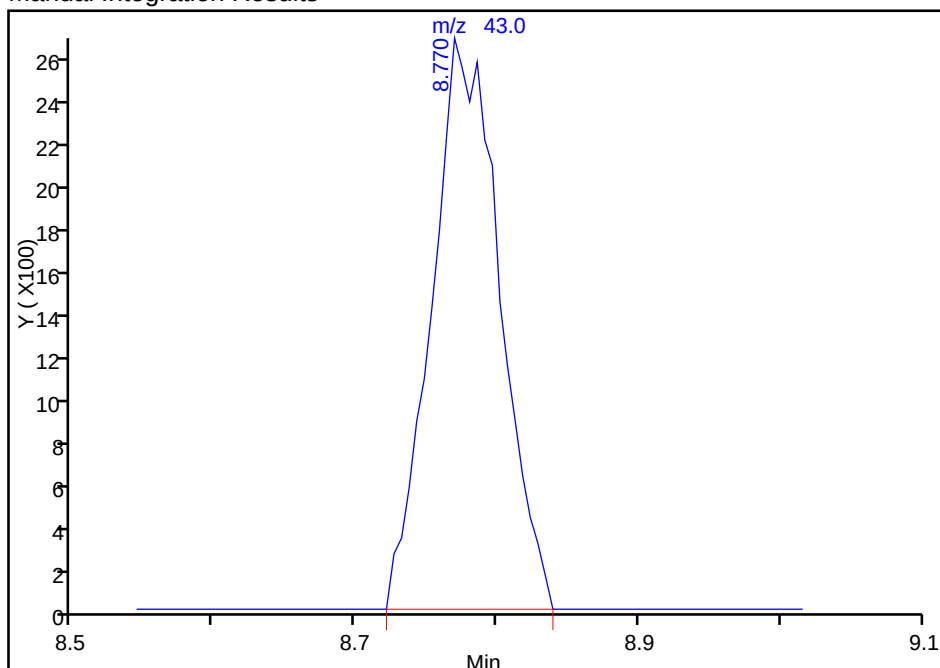
RT: 8.77
Response: 5041
Amount: 0.124350

Processing Integration Results



RT: 8.77
Response: 8739
Amount: 0.215570

Manual Integration Results



Reviewer: lyonsb, 02-Jan-2014 13:27:49
Audit Action: Manually Integrated
Audit Reason: Baseline Event

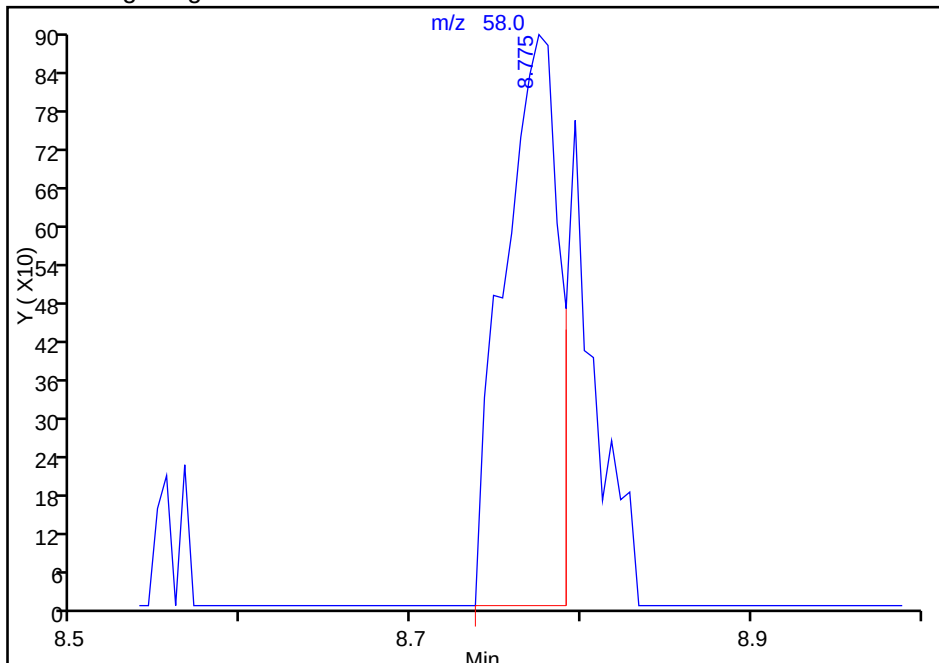
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20131231-5600.b\wakm23.d		
Injection Date:	01-Jan-2014 04:57:30	Instrument ID:	CHW.i
Lims ID:	200-20208-A-3	Lab Sample ID:	200-20208-3
Client ID:	2748		
Operator ID:	wrd	ALS Bottle#:	6
Purge Vol:	200.000 mL	Dil. Factor:	0.2000
Method:	TO15v5_W	Limit Group:	AI_TO15_Limits
Column:	RTX-624 (0.32 mm)	Detector:	MS SCAN
		Worklist Smp#:	23

24 Acetone, CAS: 67-64-1

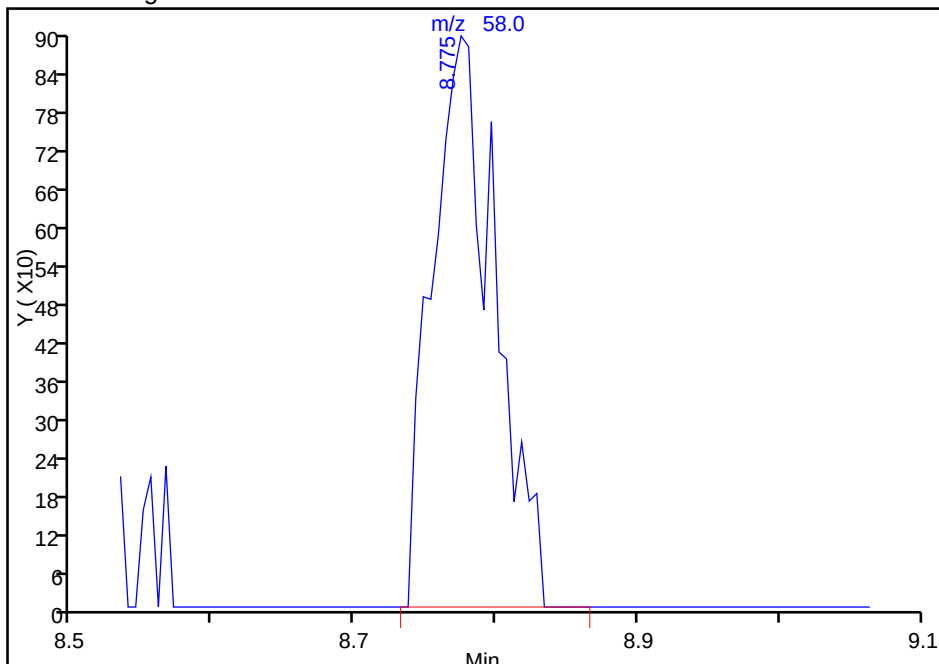
RT: 8.78
Response: 2027
Amount: 0.124350

Processing Integration Results



RT: 8.78
Response: 2776
Amount: 0.215570

Manual Integration Results



Reviewer: lyonsb, 02-Jan-2014 13:27:49
Audit Action: Manually Integrated
Audit Reason: Baseline Event

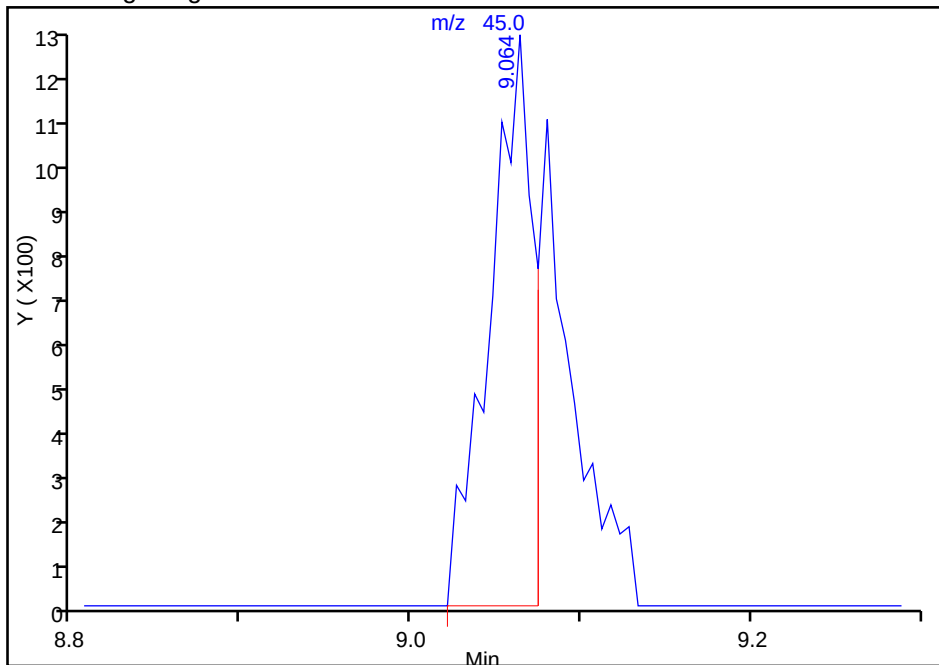
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20131231-5600.b\wakm23.d		
Injection Date:	01-Jan-2014 04:57:30	Instrument ID:	CHW.i
Lims ID:	200-20208-A-3	Lab Sample ID:	200-20208-3
Client ID:	2748		
Operator ID:	wrd	ALS Bottle#:	6
Purge Vol:	200.000 mL	Dil. Factor:	0.2000
Method:	TO15v5_W	Limit Group:	AI_TO15_Limits
Column:	RTX-624 (0.32 mm)	Detector:	MS SCAN
		Worklist Smp#:	23

27 Isopropyl alcohol, CAS: 67-63-0

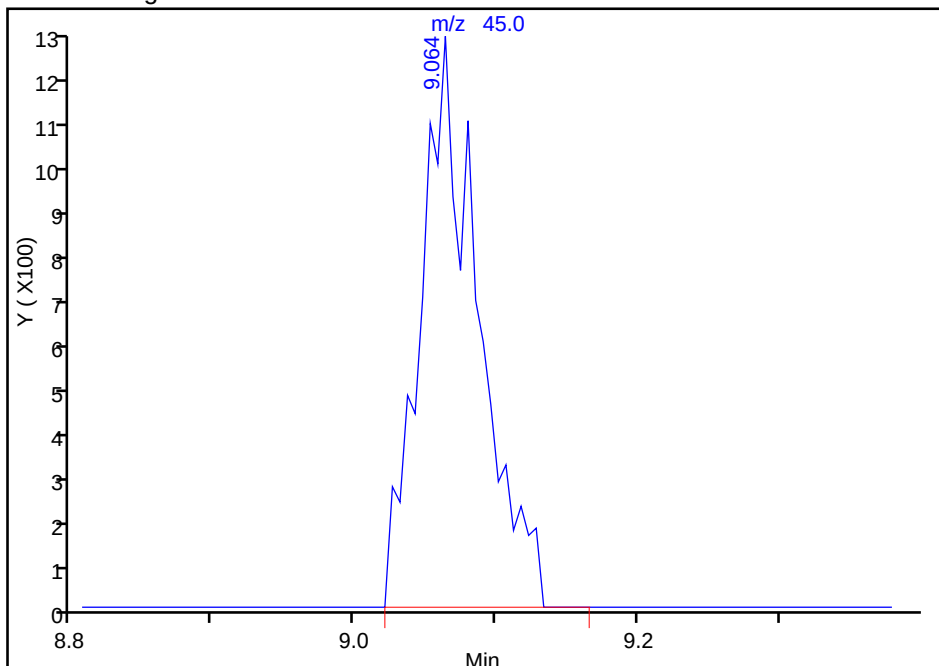
RT: 9.06
Response: 2249
Amount: 0.078198

Processing Integration Results



RT: 9.06
Response: 3561
Amount: 0.123816

Manual Integration Results



Reviewer: lyonsb, 02-Jan-2014 13:27:49
Audit Action: Manually Integrated
Audit Reason: Baseline Event

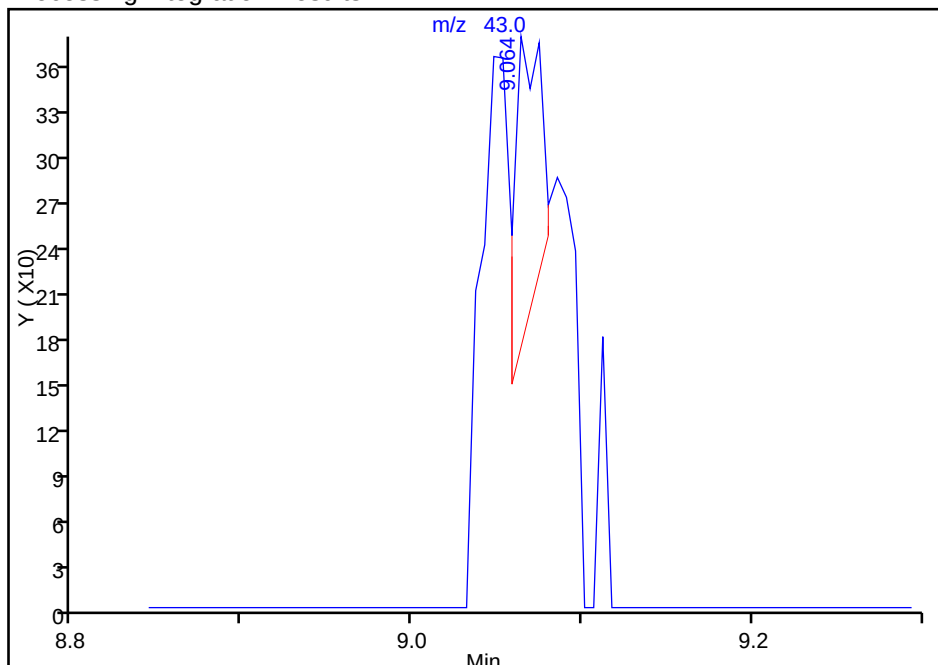
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20131231-5600.b\wakm23.d		
Injection Date:	01-Jan-2014 04:57:30	Instrument ID:	CHW.i
Lims ID:	200-20208-A-3	Lab Sample ID:	200-20208-3
Client ID:	2748		
Operator ID:	wrd	ALS Bottle#:	6
Purge Vol:	200.000 mL	Dil. Factor:	0.2000
Method:	TO15v5_W	Limit Group:	AI_TO15_Limits
Column:	RTX-624 (0.32 mm)	Detector:	MS SCAN
		Worklist Smp#:	23

27 Isopropyl alcohol, CAS: 67-63-0

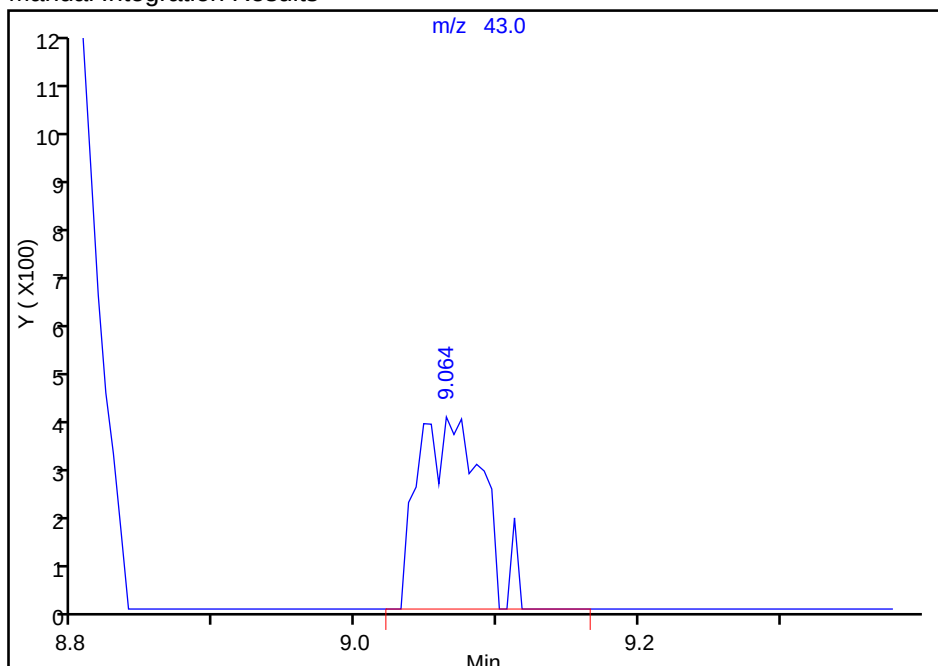
RT: 9.06
Response: 197
Amount: 0.078198

Processing Integration Results



RT: 9.06
Response: 1190
Amount: 0.123816

Manual Integration Results



Reviewer: lyonsb, 02-Jan-2014 13:27:49
Audit Action: Manually Integrated
Audit Reason: Baseline Event

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

Lab Name: TestAmerica Burlington Job No.: 200-20208-1
 SDG No.: _____
 Client Sample ID: 3562 Lab Sample ID: 200-20208-8
 Matrix: Air Lab File ID: wakpl6.d
 Analysis Method: TO-15 Date Collected: 12/20/2013 00:00
 Sample wt/vol: 1000 (mL) Date Analyzed: 01/07/2014 02:55
 Soil Aliquot Vol: _____ Dilution Factor: 0.2
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 66828 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.: 200-20208-1
 SDG No.: _____
 Client Sample ID: 3562 Lab Sample ID: 200-20208-8
 Matrix: Air Lab File ID: wakpl6.d
 Analysis Method: TO-15 Date Collected: 12/20/2013 00:00
 Sample wt/vol: 1000 (mL) Date Analyzed: 01/07/2014 02:55
 Soil Aliquot Vol: _____ Dilution Factor: 0.2
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 66828 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.: 200-20208-1
 SDG No.: _____
 Client Sample ID: 3562 Lab Sample ID: 200-20208-8
 Matrix: Air Lab File ID: wakpl6.d
 Analysis Method: TO-15 Date Collected: 12/20/2013 00:00
 Sample wt/vol: 1000 (mL) Date Analyzed: 01/07/2014 02:55
 Soil Aliquot Vol: _____ Dilution Factor: 0.2
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 66828 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.040	U *	0.040	0.040
104-51-8	n-Butylbenzene	0.040	U	0.040	0.040
95-50-1	1,2-Dichlorobenzene	0.040	U	0.040	0.040
120-82-1	1,2,4-Trichlorobenzene	0.10	U	0.10	0.10
87-68-3	Hexachlorobutadiene	0.040	U	0.040	0.040
91-20-3	Naphthalene	0.10	U *	0.10	0.10

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140106-5630.b\wakp16.d
 Lims ID: 200-20208-A-8 Lab Sample ID: 200-20208-8
 Client ID: 3562
 Sample Type: Client
 Inject. Date: 07-Jan-2014 02:55:30 ALS Bottle#: 15 Worklist Smp#: 16
 Purge Vol: 200.000 mL Dil. Factor: 0.2000
 Sample Info: 200-0005630-016
 Misc. Info.: 200-20208-A-8
 Operator ID: wrd Instrument ID: CHW.i
 Method: \\BTV-LIMS1\ChromData\CHW.i\20140106-5630.b\TO15v5_W.m
 Limit Group: AI_TO15_Limits
 Last Update: 07-Jan-2014 12:21:34 Calib Date: 12-Dec-2013 23:57:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20131212-5428.b\wak011.d
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: XAWRK028

First Level Reviewer: lyonsb

Date: 07-Jan-2014 10:40:51

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
1 Propene	41		4.372					
6 Dichlorodifluoromethane	85		4.469					M
7 Chlorodifluoromethane	51		4.533					
8 1,2-Dichloro-1,1,2,2-tetrafluoro	85		4.822					
9 Chloromethane	50		5.014					
10 Butane	43		5.282					
11 Vinyl chloride	62		5.335					
12 Butadiene	54		5.437					
13 Bromomethane	94		6.304					
14 Chloroethane	64		6.593					
16 Vinyl bromide	106		7.074					
17 Trichlorofluoromethane	101		7.192					
19 Ethanol	45	7.812	7.796	0.016	64	2815	0.3438	M
22 1,1,2-Trichloro-1,2,2-trifluoroe	101		8.444					
23 1,1-Dichloroethene	96		8.513					
24 Acetone	43	8.781	8.791	-0.010	64	11610	0.2883	M
26 Carbon disulfide	76	9.005	9.000	0.005	79	10210	0.1116	
27 Isopropyl alcohol	45	9.043	9.032	0.011	42	3260	0.1141	M
28 3-Chloro-1-propene	41		9.406					
30 Methylene Chloride	49	9.738	9.738	0.0	35	2746	0.1152	M
31 2-Methyl-2-propanol	59		9.904					
S 38 1,2-Dichloroethene, Total	61		10.000					
32 Methyl tert-butyl ether	73		10.166					
33 trans-1,2-Dichloroethene	61		10.230					
35 Hexane	57		10.653					
36 1,1-Dichloroethane	63		11.204					
37 Vinyl acetate	43		11.241					
39 cis-1,2-Dichloroethene	96		12.376					
40 2-Butanone (MEK)	72		12.392					
41 Ethyl acetate	88		12.418					
* 42 Chlorobromomethane	128	12.857	12.857	0.0	69	288932	10.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
43 Tetrahydrofuran	42		12.857					
44 Chloroform	83		12.969					
45 Cyclohexane	84		13.269					
46 1,1,1-Trichloroethane	97		13.280					
48 Carbon tetrachloride	117		13.536					
49 Isooctane	57		13.932					
50 Benzene	78		13.986					
51 1,2-Dichloroethane	62		14.146					
52 n-Heptane	43		14.280					
* 53 1,4-Difluorobenzene	114	14.746	14.745	0.001	92	1388162	10.0	
55 Trichloroethene	95		15.211					
S 63 Xylenes, Total	106		15.600					
56 1,2-Dichloropropane	63		15.735					
57 Methyl methacrylate	69		15.821					
58 1,4-Dioxane	88		15.906					
59 Dibromomethane	174		15.981					
60 Dichlorobromomethane	83		16.222					
64 cis-1,3-Dichloropropene	75		17.089					
65 4-Methyl-2-pentanone (MIBK)	43		17.324					
66 Toluene	92		17.666					
68 trans-1,3-Dichloropropene	75		18.196					
69 1,1,2-Trichloroethane	83		18.560					
70 Tetrachloroethene	166		18.704					
71 2-Hexanone	43		18.956					
72 Chlorodibromomethane	129		19.319					
73 Ethylene Dibromide	107		19.603					
* 75 Chlorobenzene-d5	117	20.448	20.448	0.0	83	1189164	10.0	
76 Chlorobenzene	112		20.507					
77 Ethylbenzene	91		20.619					
79 m-Xylene & p-Xylene	106		20.839					
80 o-Xylene	106		21.550					
81 Styrene	104		21.588					
82 Bromoform	173		21.962					
83 Isopropylbenzene	105		22.117					
* 107 4-Bromofluorobenzene	95	22.449	22.449	0.0	0	749382	10.0	
85 1,1,2,2-Tetrachloroethane	83		22.674					
86 N-Propylbenzene	91		22.749					
84 4-Ethyltoluene	105		22.914					
89 2-Chlorotoluene	91		22.947					
90 1,3,5-Trimethylbenzene	105		23.011					
92 tert-Butylbenzene	119		23.487					
93 1,2,4-Trimethylbenzene	105		23.578					
94 sec-Butylbenzene	105		23.813					
95 4-Isopropyltoluene	119		24.017					
96 1,3-Dichlorobenzene	146		24.086					
97 1,4-Dichlorobenzene	146		24.231					
98 Benzyl chloride	91		24.439					
100 n-Butylbenzene	91		24.658					
101 1,2-Dichlorobenzene	146		24.840					
103 1,2,4-Trichlorobenzene	180		27.735					
104 Hexachlorobutadiene	225		27.938					
105 Naphthalene	128		28.328					

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
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110 BFB

QC Flag Legend

Review Flags

M - Manually Integrated

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140106-5630.b\warp16.d

Injection Date: 07-Jan-2014 02:55:30

Instrument ID: CHW.i

Operator ID: wrd

Lims ID: 200-20208-A-8

Lab Sample ID: 200-20208-8

Worklist Smp#: 16

Client ID: 3562

Purge Vol: 200.000 mL

Dil. Factor: 0.2000

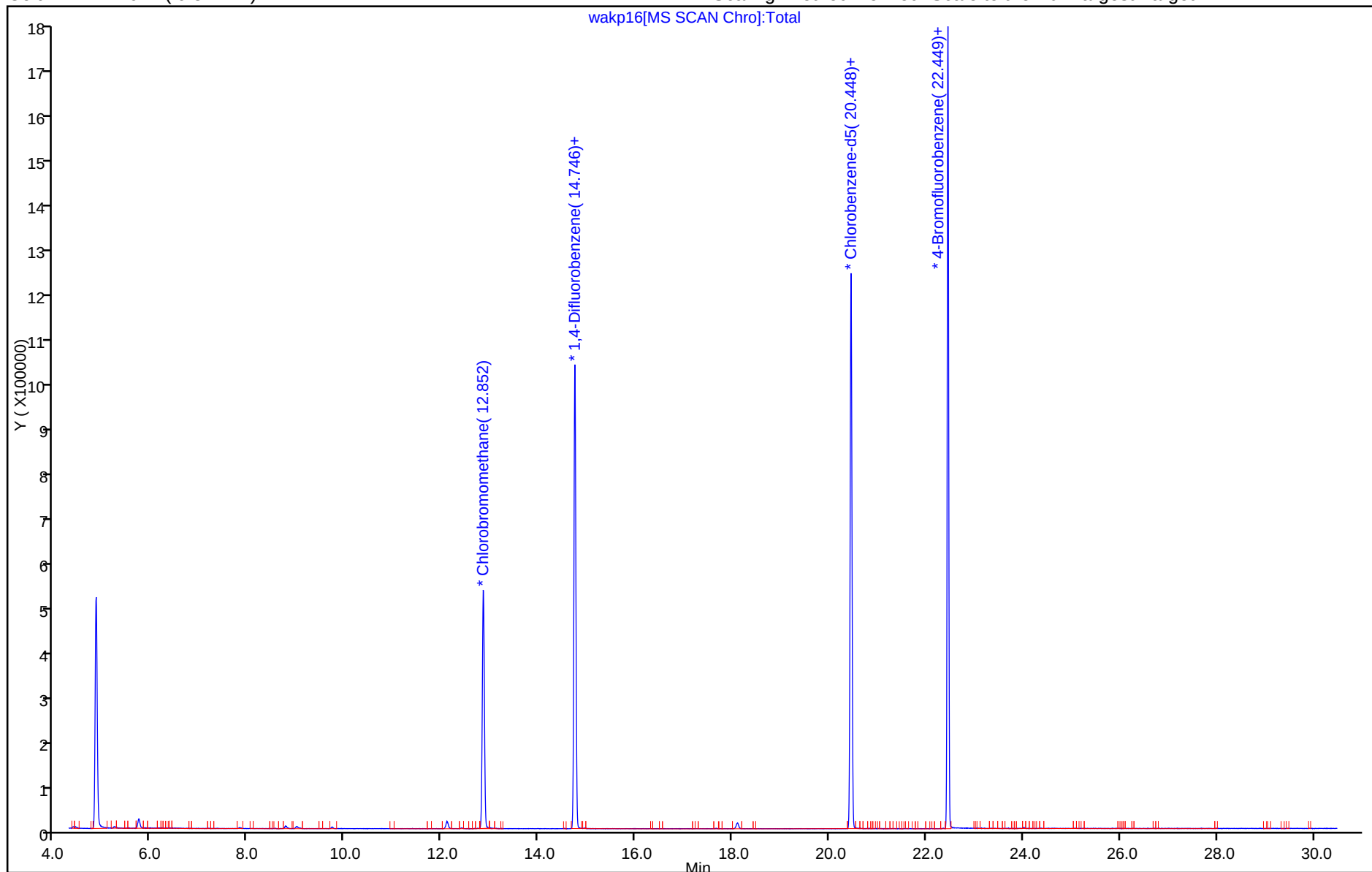
ALS Bottle#: 15

Method: TO15v5_W

Limit Group: AI_TO15_Limits

Column: RTX-624 (0.32 mm)

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



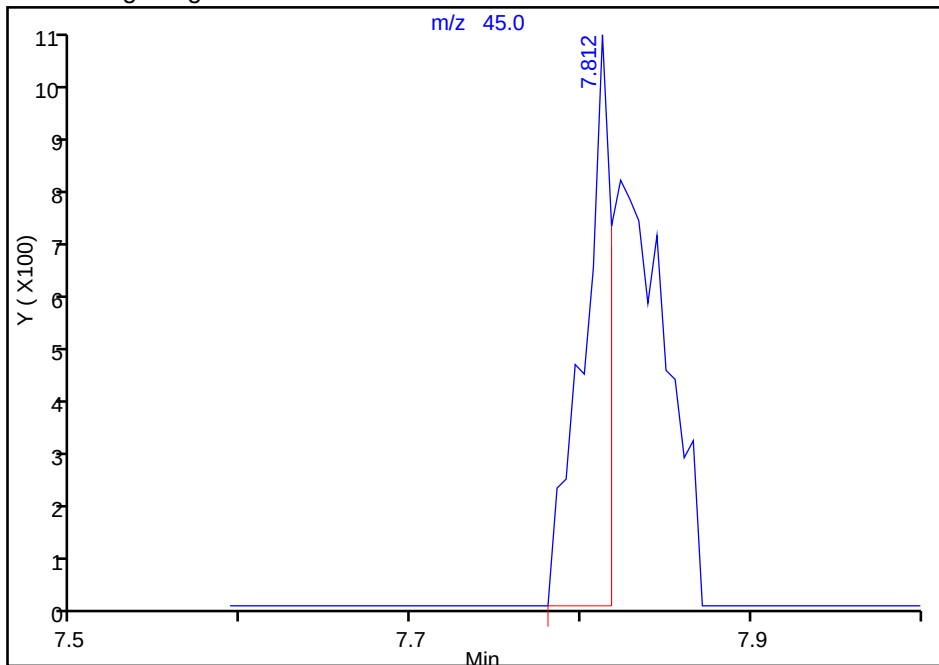
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140106-5630.b\wakp16.d		
Injection Date:	07-Jan-2014 02:55:30	Instrument ID:	CHW.i
Lims ID:	200-20208-A-8	Lab Sample ID:	200-20208-8
Client ID:	3562		
Operator ID:	wrd	ALS Bottle#:	15
Purge Vol:	200.000 mL	Dil. Factor:	0.2000
Method:	TO15v5_W	Limit Group:	AI_TO15_Limits
Column:	RTX-624 (0.32 mm)	Detector:	MS SCAN
		Worklist Smp#:	16

19 Ethanol, CAS: 64-17-5

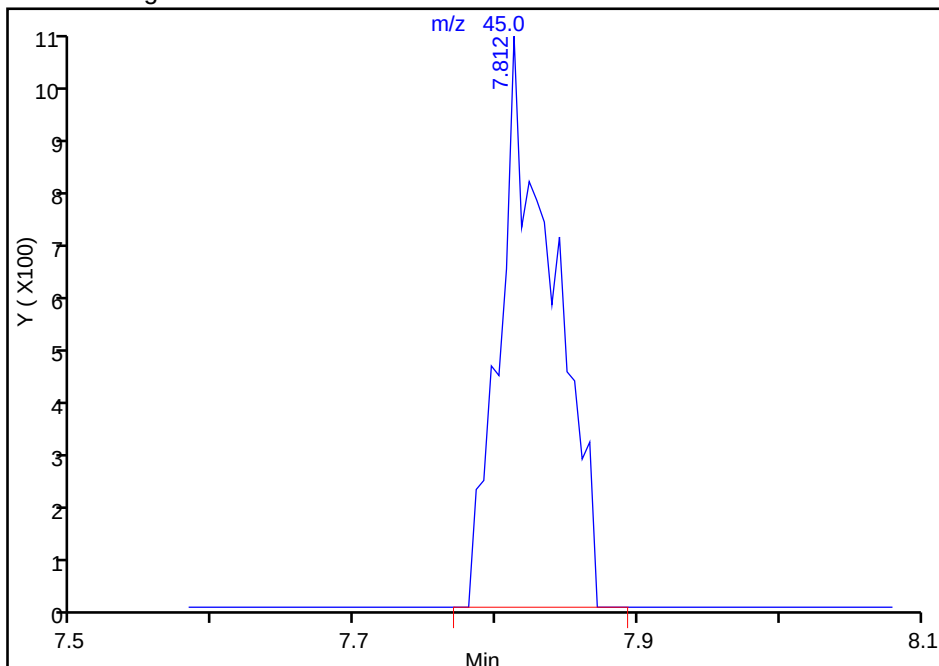
RT: 7.81
Response: 1209
Amount: 0.147650

Processing Integration Results



RT: 7.81
Response: 2815
Amount: 0.343784

Manual Integration Results



Reviewer: lyonsb, 07-Jan-2014 10:40:51
Audit Action: Manually Integrated
Audit Reason: Baseline Event

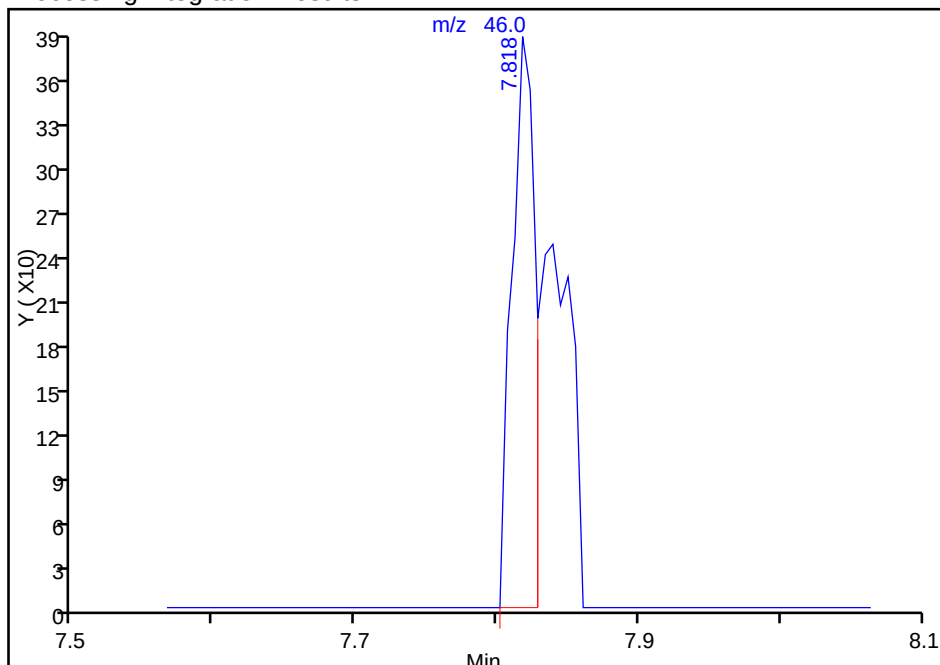
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140106-5630.b\wakeup16.d		
Injection Date:	07-Jan-2014 02:55:30	Instrument ID:	CHW.i
Lims ID:	200-20208-A-8	Lab Sample ID:	200-20208-8
Client ID:	3562		
Operator ID:	wrd	ALS Bottle#:	15
Purge Vol:	200.000 mL	Dil. Factor:	0.2000
Method:	TO15v5_W	Limit Group:	AI_TO15_Limits
Column:	RTX-624 (0.32 mm)	Detector:	MS SCAN
		Worklist Smp#:	16

19 Ethanol, CAS: 64-17-5

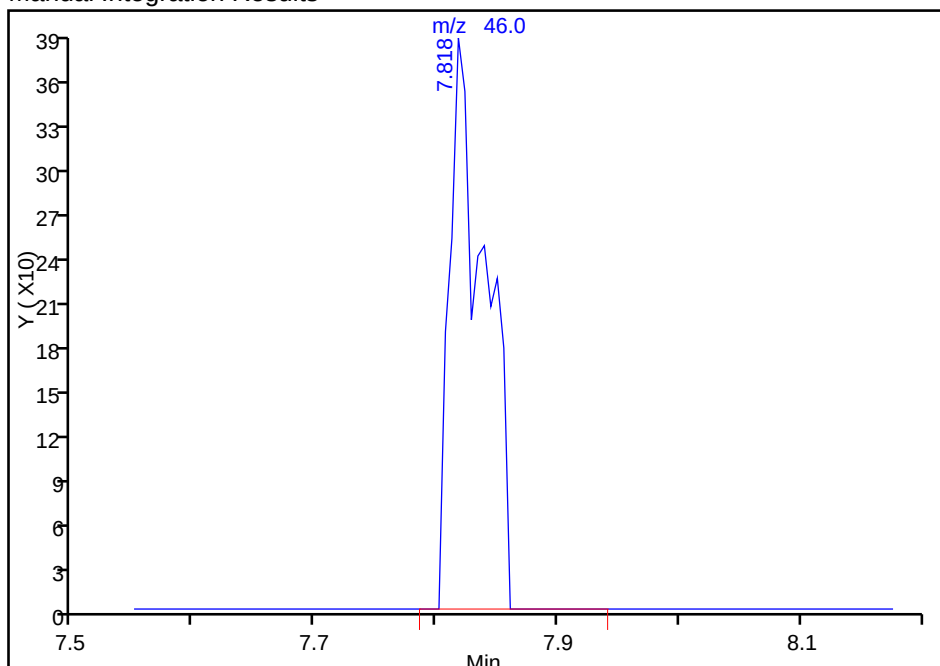
RT: 7.82
Response: 438
Amount: 0.147650

Processing Integration Results



RT: 7.82
Response: 787
Amount: 0.343784

Manual Integration Results



Reviewer: lyonsb, 07-Jan-2014 10:40:51
Audit Action: Manually Integrated
Audit Reason: Baseline Event

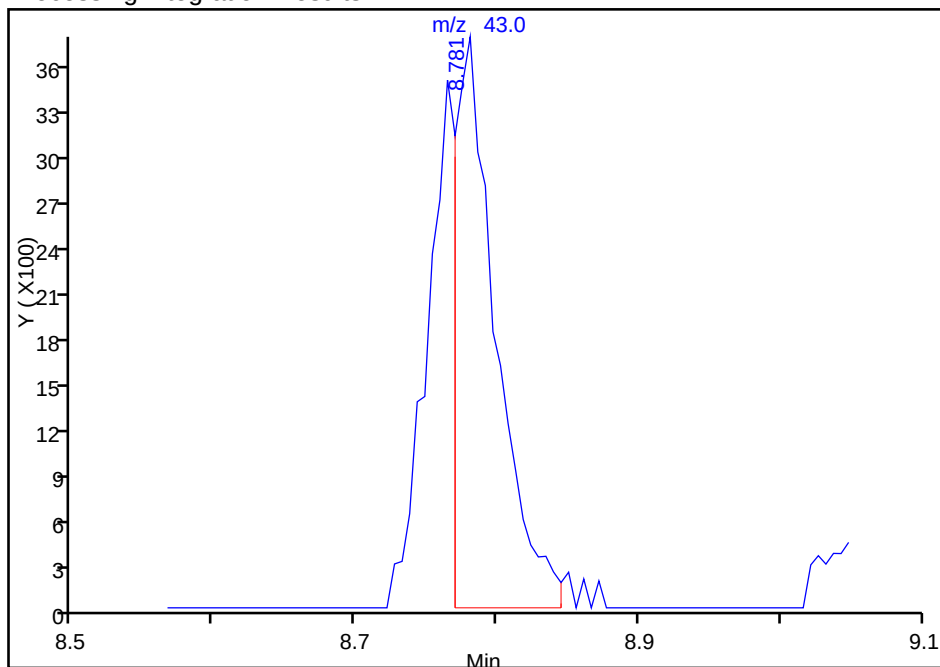
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140106-5630.b\wakp16.d		
Injection Date:	07-Jan-2014 02:55:30	Instrument ID:	CHW.i
Lims ID:	200-20208-A-8	Lab Sample ID:	200-20208-8
Client ID:	3562		
Operator ID:	wrd	ALS Bottle#:	15
Purge Vol:	200.000 mL	Dil. Factor:	0.2000
Method:	TO15v5_W	Limit Group:	AI_TO15_Limits
Column:	RTX-624 (0.32 mm)	Detector:	MS SCAN
		Worklist Smp#:	16

24 Acetone, CAS: 67-64-1

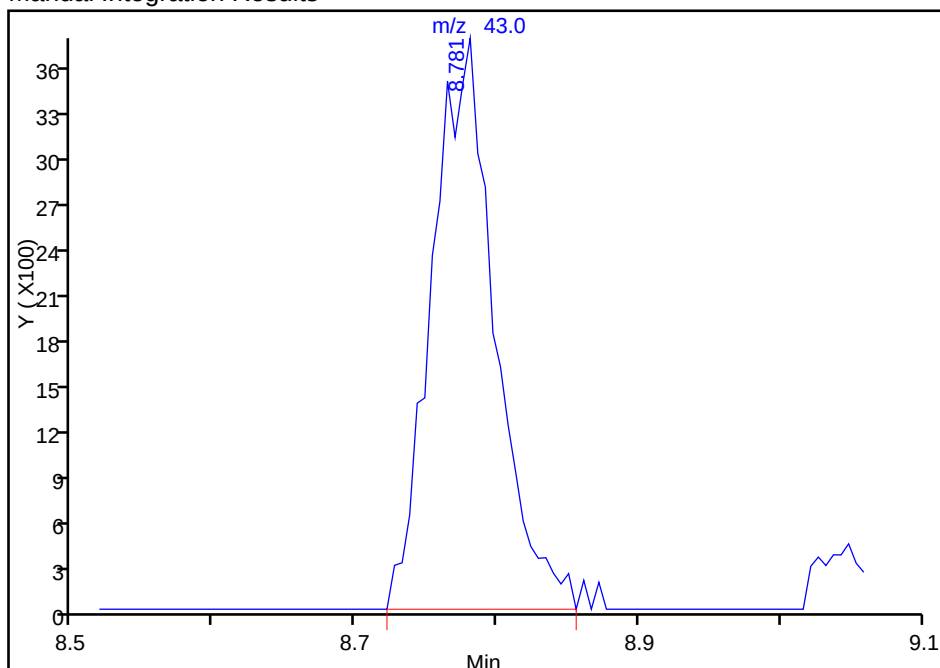
RT: 8.78
Response: 7562
Amount: 0.187772

Processing Integration Results



RT: 8.78
Response: 11610
Amount: 0.288287

Manual Integration Results



Reviewer: lyonsb, 07-Jan-2014 10:40:51
Audit Action: Manually Integrated
Audit Reason: Baseline Event

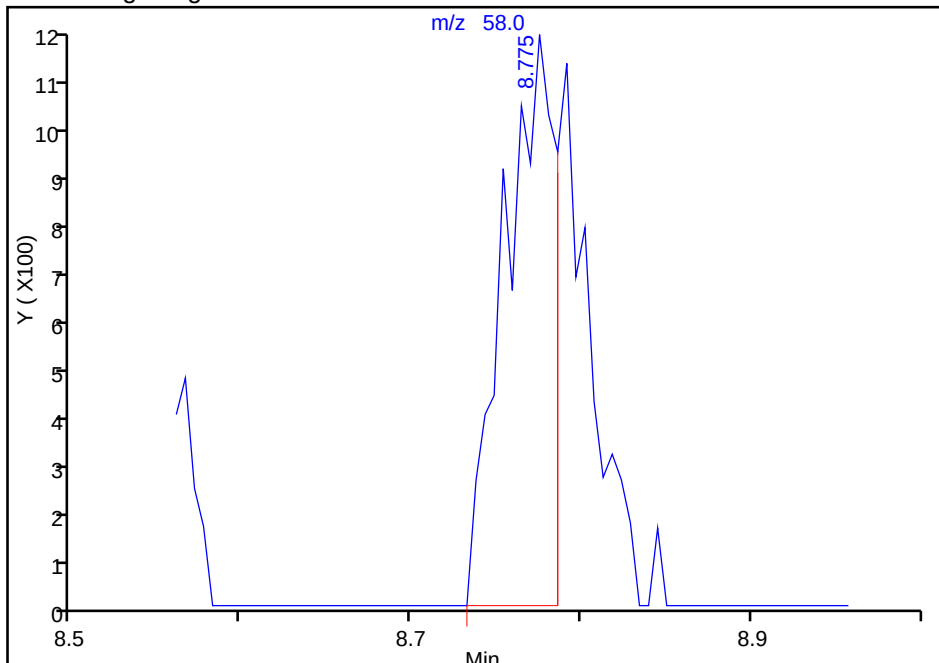
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140106-5630.b\wakp16.d		
Injection Date:	07-Jan-2014 02:55:30	Instrument ID:	CHW.i
Lims ID:	200-20208-A-8	Lab Sample ID:	200-20208-8
Client ID:	3562		
Operator ID:	wrd	ALS Bottle#:	15
Purge Vol:	200.000 mL	Dil. Factor:	0.2000
Method:	TO15v5_W	Limit Group:	AI_TO15_Limits
Column:	RTX-624 (0.32 mm)	Detector:	MS SCAN
		Worklist Smp#:	16

24 Acetone, CAS: 67-64-1

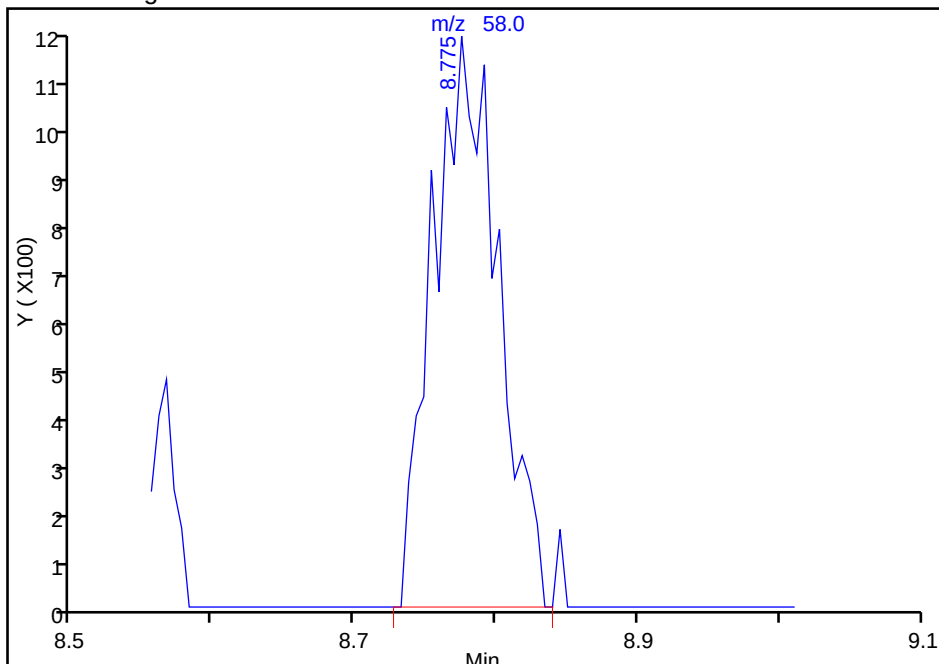
RT: 8.78
Response: 2503
Amount: 0.187772

Processing Integration Results



RT: 8.78
Response: 3804
Amount: 0.288287

Manual Integration Results



Reviewer: lyonsb, 07-Jan-2014 10:40:51
Audit Action: Manually Integrated
Audit Reason: Baseline Event

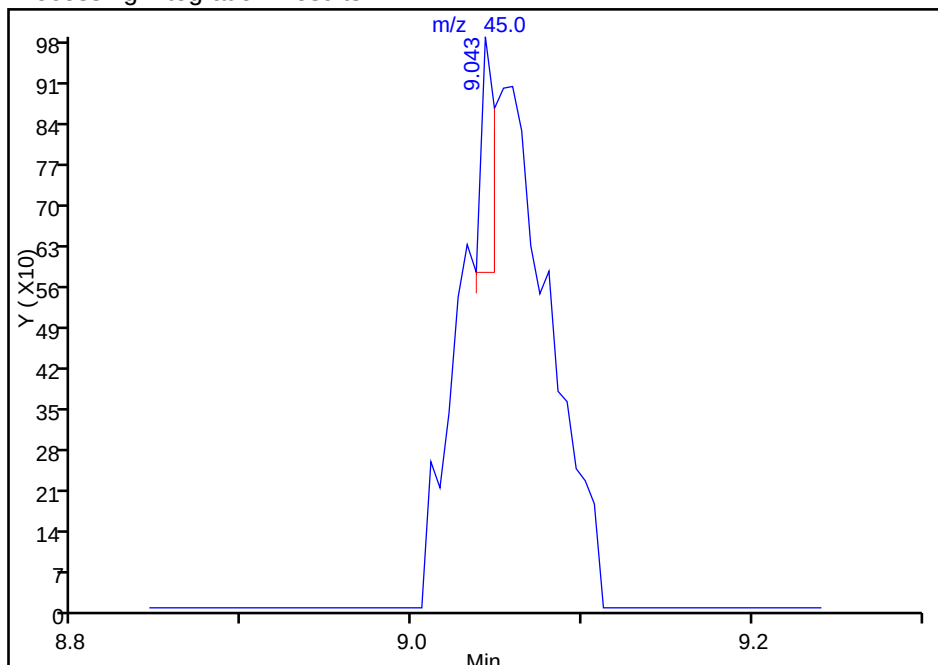
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140106-5630.b\wakp16.d		
Injection Date:	07-Jan-2014 02:55:30	Instrument ID:	CHW.i
Lims ID:	200-20208-A-8	Lab Sample ID:	200-20208-8
Client ID:	3562		
Operator ID:	wrd	ALS Bottle#:	15
Purge Vol:	200.000 mL	Dil. Factor:	0.2000
Method:	TO15v5_W	Limit Group:	AI_TO15_Limits
Column:	RTX-624 (0.32 mm)	Detector:	MS SCAN
		Worklist Smp#:	16

27 Isopropyl alcohol, CAS: 67-63-0

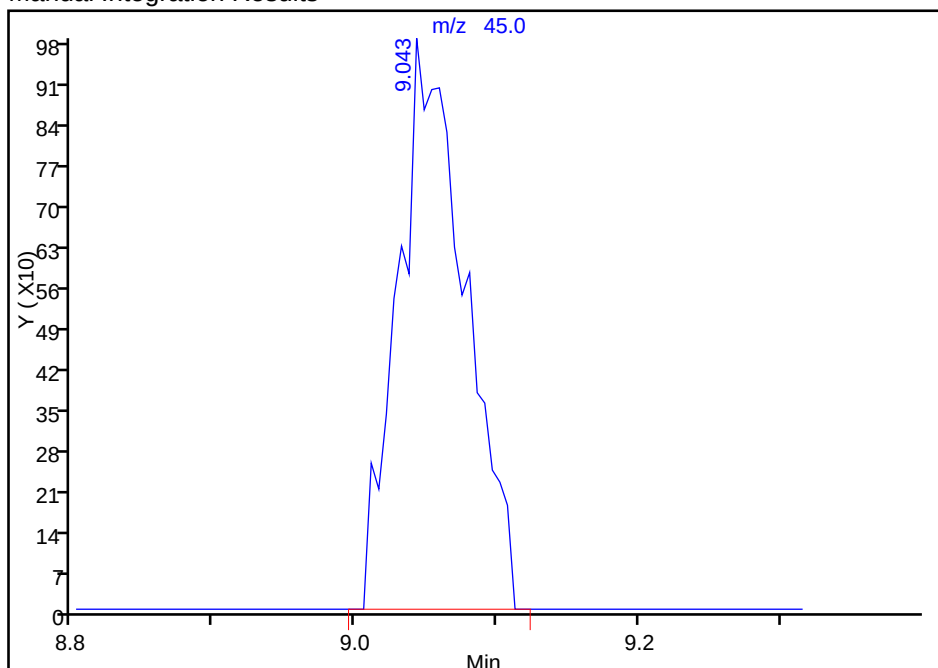
RT: 9.04
Response: 222
Amount: 0.007770

Processing Integration Results



RT: 9.04
Response: 3260
Amount: 0.114101

Manual Integration Results



Reviewer: lyonsb, 07-Jan-2014 10:40:51
Audit Action: Manually Integrated
Audit Reason: Baseline Event

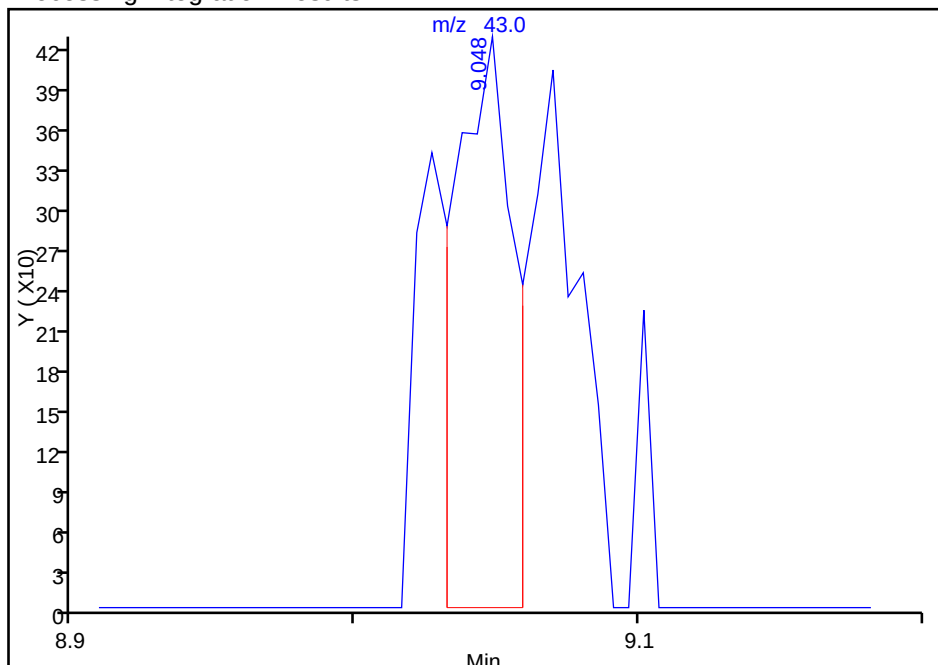
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140106-5630.b\wakp16.d
Injection Date: 07-Jan-2014 02:55:30 Instrument ID: CHW.i
Lims ID: 200-20208-A-8 Lab Sample ID: 200-20208-8
Client ID: 3562
Operator ID: wrd ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 200.000 mL Dil. Factor: 0.2000
Method: TO15v5_W Limit Group: AI_TO15_Limits
Column: RTX-624 (0.32 mm) Detector: MS SCAN

27 Isopropyl alcohol, CAS: 67-63-0

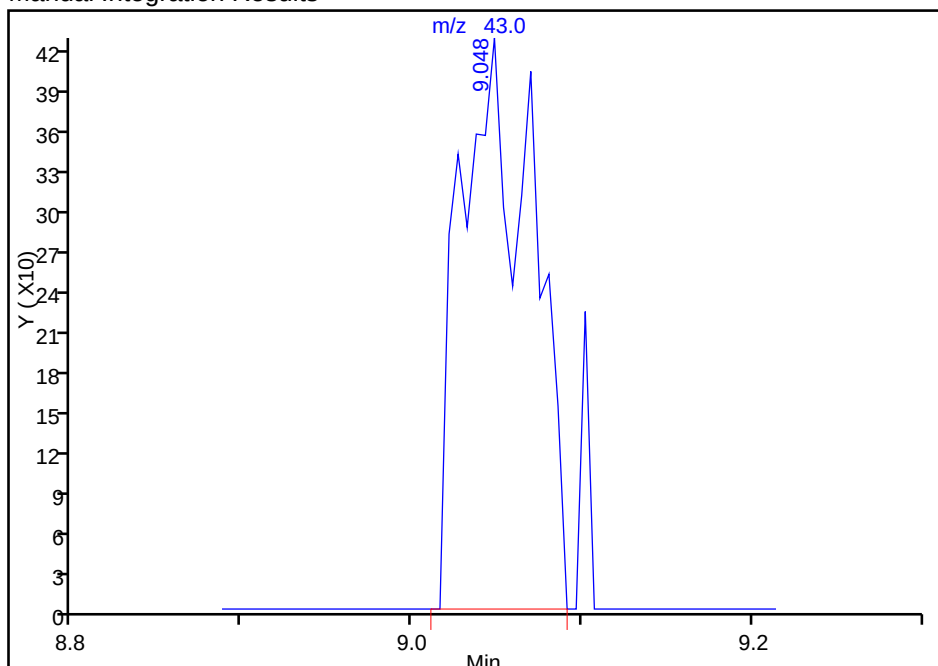
RT: 9.05
Response: 632
Amount: 0.007770

Processing Integration Results



RT: 9.05
Response: 1264
Amount: 0.114101

Manual Integration Results



Reviewer: lyonsb, 07-Jan-2014 10:40:51
Audit Action: Manually Integrated
Audit Reason: Baseline Event

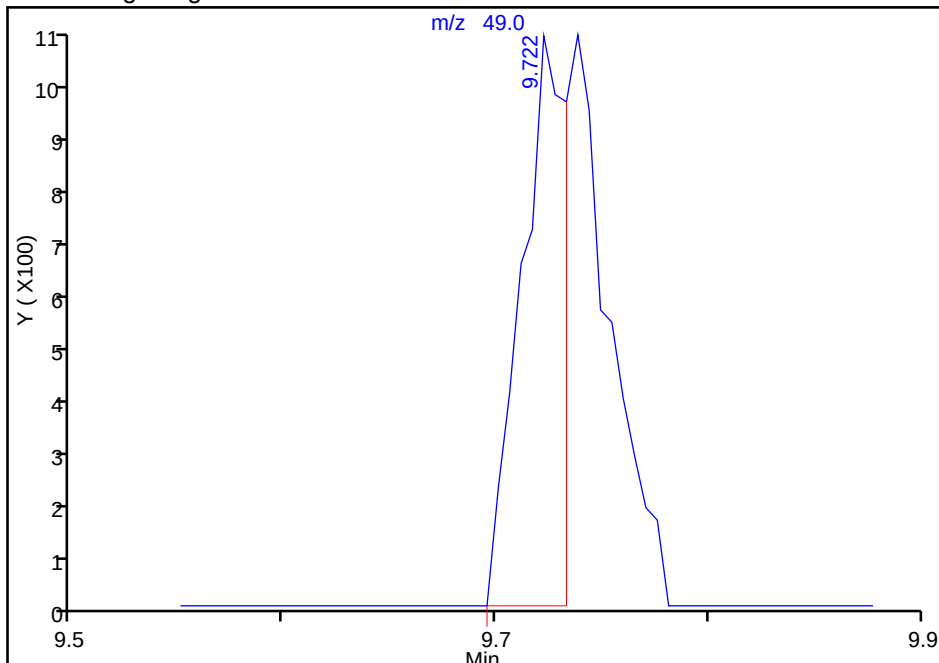
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140106-5630.b\wakp16.d		
Injection Date:	07-Jan-2014 02:55:30	Instrument ID:	CHW.i
Lims ID:	200-20208-A-8	Lab Sample ID:	200-20208-8
Client ID:	3562		
Operator ID:	wrd	ALS Bottle#:	15
Purge Vol:	200.000 mL	Dil. Factor:	0.2000
Method:	TO15v5_W	Limit Group:	AI_TO15_Limits
Column:	RTX-624 (0.32 mm)	Detector:	MS SCAN
		Worklist Smp#:	16

30 Methylene Chloride, CAS: 75-09-2

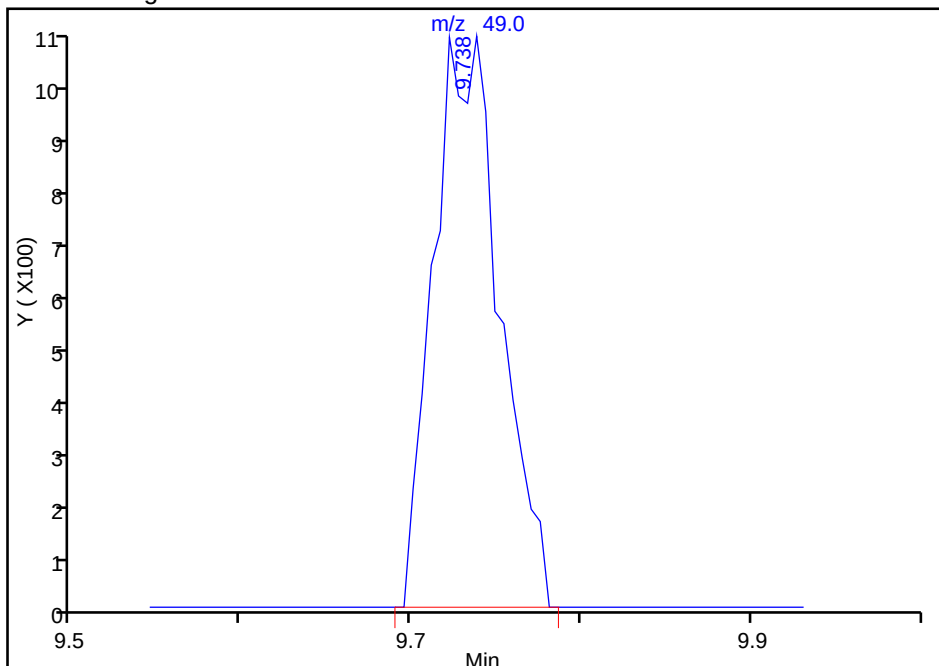
RT: 9.72
Response: 1501
Amount: 0.062946

Processing Integration Results



RT: 9.74
Response: 2746
Amount: 0.115156

Manual Integration Results



Reviewer: lyonsb, 07-Jan-2014 10:40:51
Audit Action: Manually Integrated
Audit Reason: Baseline Event

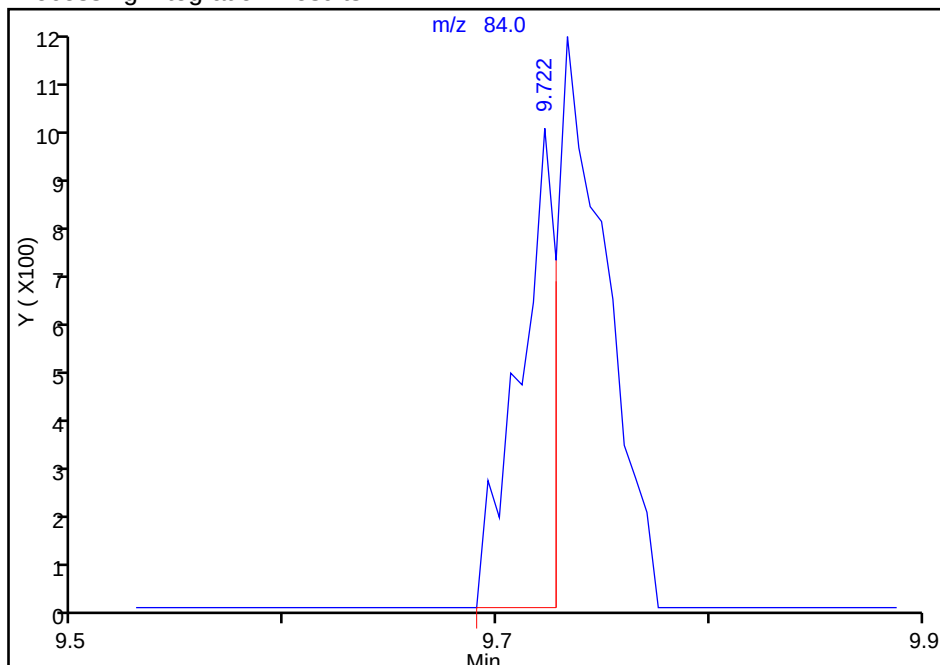
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140106-5630.b\wakeup16.d		
Injection Date:	07-Jan-2014 02:55:30	Instrument ID:	CHW.i
Lims ID:	200-20208-A-8	Lab Sample ID:	200-20208-8
Client ID:	3562		
Operator ID:	wrd	ALS Bottle#:	15
Purge Vol:	200.000 mL	Dil. Factor:	0.2000
Method:	TO15v5_W	Limit Group:	AI_TO15_Limits
Column:	RTX-624 (0.32 mm)	Detector:	MS SCAN
		Worklist Smp#:	16

30 Methylene Chloride, CAS: 75-09-2

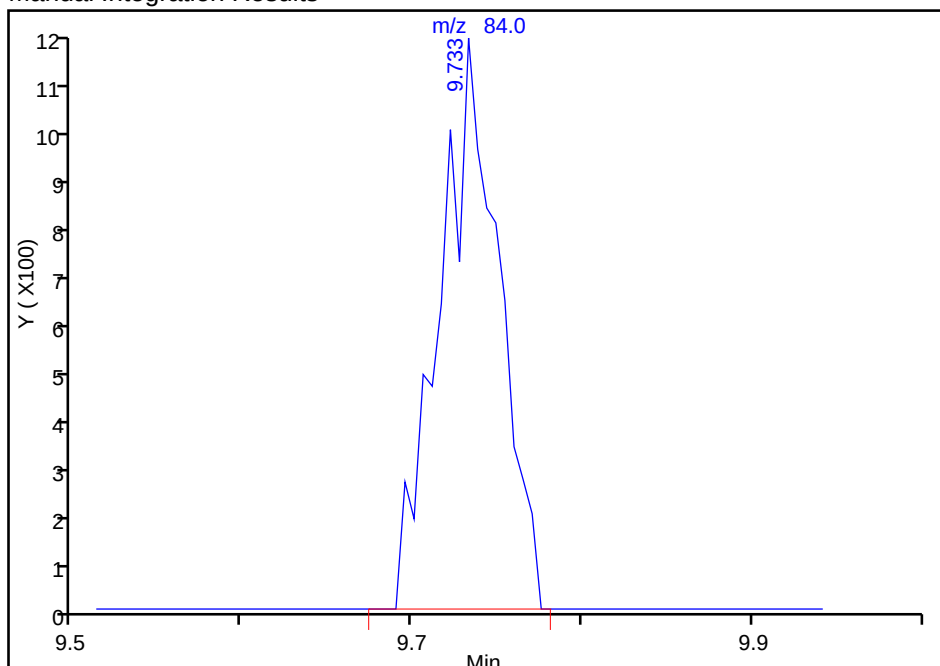
RT: 9.72
Response: 1132
Amount: 0.062946

Processing Integration Results



RT: 9.73
Response: 2708
Amount: 0.115156

Manual Integration Results



Reviewer: lyonsb, 07-Jan-2014 10:40:51
Audit Action: Manually Integrated
Audit Reason: Baseline Event

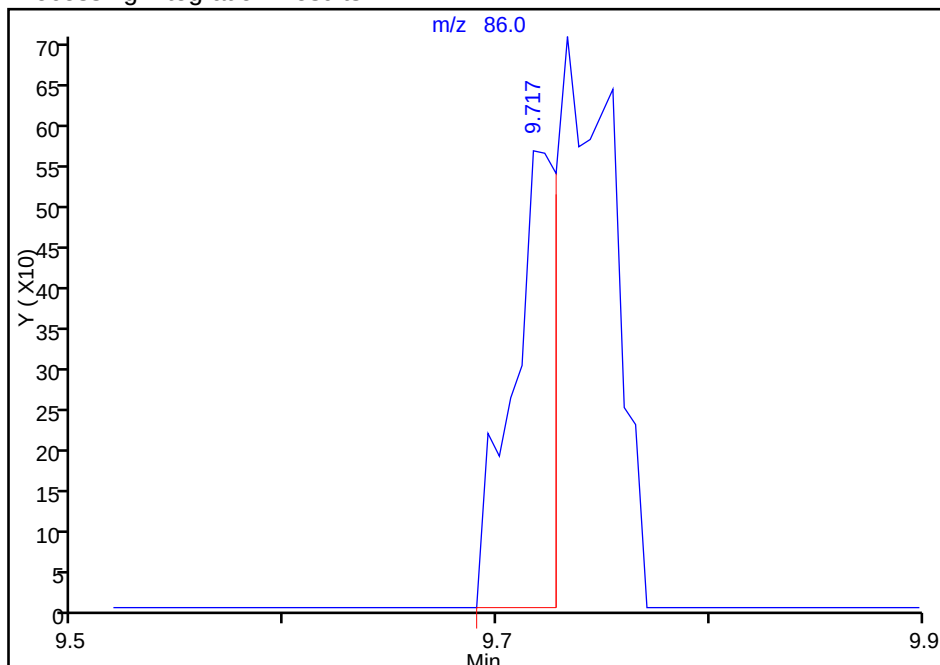
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140106-5630.b\wakeup16.d		
Injection Date:	07-Jan-2014 02:55:30	Instrument ID:	CHW.i
Lims ID:	200-20208-A-8	Lab Sample ID:	200-20208-8
Client ID:	3562		
Operator ID:	wrd	ALS Bottle#:	15
Purge Vol:	200.000 mL	Dil. Factor:	0.2000
Method:	TO15v5_W	Limit Group:	AI_TO15_Limits
Column:	RTX-624 (0.32 mm)	Detector:	MS SCAN
		Worklist Smp#:	16

30 Methylene Chloride, CAS: 75-09-2

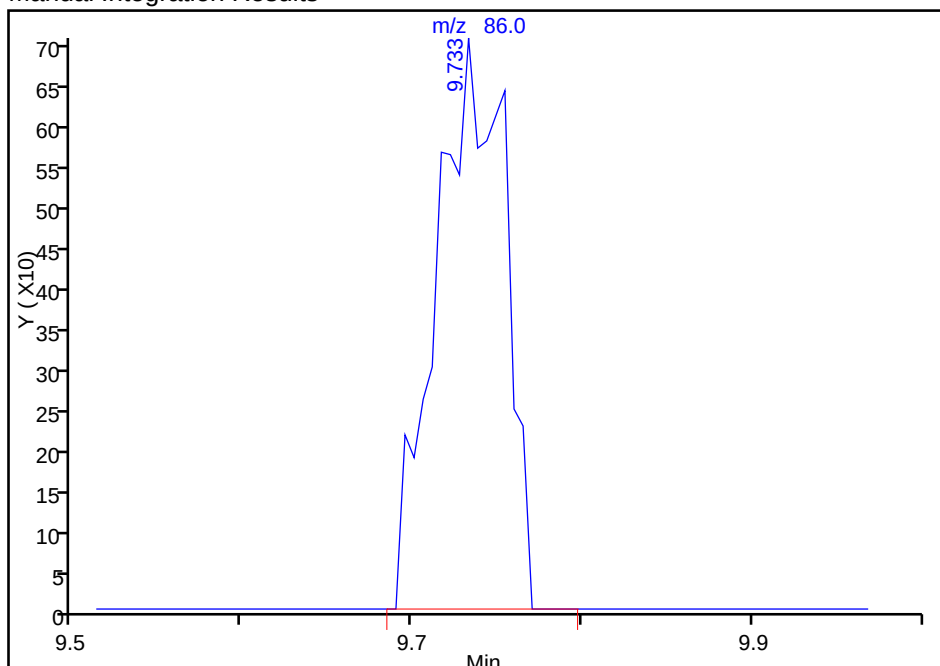
RT: 9.72
Response: 841
Amount: 0.062946

Processing Integration Results



RT: 9.73
Response: 1989
Amount: 0.115156

Manual Integration Results



Reviewer: lyonsb, 07-Jan-2014 10:40:51
Audit Action: Manually Integrated
Audit Reason: Baseline Event

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

Lab Name: TestAmerica Burlington Job No.: 200-20208-1
 SDG No.: _____
 Client Sample ID: 3515 Lab Sample ID: 200-20208-10
 Matrix: Air Lab File ID: wakpl8.d
 Analysis Method: TO-15 Date Collected: 12/20/2013 00:00
 Sample wt/vol: 1000 (mL) Date Analyzed: 01/07/2014 05:09
 Soil Aliquot Vol: _____ Dilution Factor: 0.2
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 66828 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.: 200-20208-1
 SDG No.: _____
 Client Sample ID: 3515 Lab Sample ID: 200-20208-10
 Matrix: Air Lab File ID: wakpl8.d
 Analysis Method: TO-15 Date Collected: 12/20/2013 00:00
 Sample wt/vol: 1000 (mL) Date Analyzed: 01/07/2014 05:09
 Soil Aliquot Vol: _____ Dilution Factor: 0.2
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 66828 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.: 200-20208-1
 SDG No.: _____
 Client Sample ID: 3515 Lab Sample ID: 200-20208-10
 Matrix: Air Lab File ID: wakpl8.d
 Analysis Method: TO-15 Date Collected: 12/20/2013 00:00
 Sample wt/vol: 1000 (mL) Date Analyzed: 01/07/2014 05:09
 Soil Aliquot Vol: _____ Dilution Factor: 0.2
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 66828 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.040	U *	0.040	0.040
104-51-8	n-Butylbenzene	0.040	U	0.040	0.040
95-50-1	1,2-Dichlorobenzene	0.040	U	0.040	0.040
120-82-1	1,2,4-Trichlorobenzene	0.10	U	0.10	0.10
87-68-3	Hexachlorobutadiene	0.040	U	0.040	0.040
91-20-3	Naphthalene	0.10	U *	0.10	0.10

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140106-5630.b\wakp18.d
 Lims ID: 200-20208-A-10 Lab Sample ID: 200-20208-10
 Client ID: 3515
 Sample Type: Client
 Inject. Date: 07-Jan-2014 05:09:30 ALS Bottle#: 1 Worklist Smp#: 18
 Purge Vol: 200.000 mL Dil. Factor: 0.2000
 Sample Info: 200-0005630-018
 Misc. Info.: 200-20208-A-10
 Operator ID: wrd Instrument ID: CHW.i
 Method: \\BTV-LIMS1\ChromData\CHW.i\20140106-5630.b\TO15v5_W.m
 Limit Group: AI_TO15_Limits
 Last Update: 07-Jan-2014 12:21:34 Calib Date: 12-Dec-2013 23:57:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20131212-5428.b\wak011.d
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: XAWRK028

First Level Reviewer: lyonsb

Date: 07-Jan-2014 10:50:54

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
1 Propene	41		4.372					
6 Dichlorodifluoromethane	85		4.469					
7 Chlorodifluoromethane	51		4.533					
8 1,2-Dichloro-1,1,2,2-tetrafluoro	85		4.822					
9 Chloromethane	50		5.014					
10 Butane	43		5.282					
11 Vinyl chloride	62		5.335					
12 Butadiene	54		5.437					
13 Bromomethane	94		6.304					
14 Chloroethane	64		6.593					
16 Vinyl bromide	106		7.074					
17 Trichlorofluoromethane	101		7.192					
19 Ethanol	45	7.839	7.796	0.043	89	7285	0.9897	M
22 1,1,2-Trichloro-1,2,2-trifluoroe	101		8.444					
23 1,1-Dichloroethene	96		8.513					
24 Acetone	43	8.770	8.791	-0.021	64	8887	0.2455	M
26 Carbon disulfide	76	8.995	9.000	-0.005	59	2342	0.0285	M
27 Isopropyl alcohol	45	9.069	9.032	0.037	41	3448	0.1342	M
28 3-Chloro-1-propene	41		9.406					
30 Methylene Chloride	49	9.733	9.738	-0.005	33	2226	0.1038	M
31 2-Methyl-2-propanol	59		9.904					
S 38 1,2-Dichloroethene, Total	61		10.000					
32 Methyl tert-butyl ether	73		10.166					
33 trans-1,2-Dichloroethene	61		10.230					
35 Hexane	57		10.653					
36 1,1-Dichloroethane	63		11.204					
37 Vinyl acetate	43		11.241					
39 cis-1,2-Dichloroethene	96		12.376					
40 2-Butanone (MEK)	72		12.392					
41 Ethyl acetate	88		12.418					
* 42 Chlorobromomethane	128	12.852	12.857	-0.005	68	259730	10.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
43 Tetrahydrofuran	42		12.857					
44 Chloroform	83		12.969					
45 Cyclohexane	84		13.269					
46 1,1,1-Trichloroethane	97		13.280					
48 Carbon tetrachloride	117		13.536					
49 Isooctane	57		13.932					
50 Benzene	78		13.986					
51 1,2-Dichloroethane	62		14.146					
52 n-Heptane	43		14.280					
* 53 1,4-Difluorobenzene	114	14.745	14.745	0.0	92	1260772	10.0	
55 Trichloroethene	95		15.211					
S 63 Xylenes, Total	106		15.600					
56 1,2-Dichloropropane	63		15.735					
57 Methyl methacrylate	69		15.821					
58 1,4-Dioxane	88		15.906					
59 Dibromomethane	174		15.981					
60 Dichlorobromomethane	83		16.222					
64 cis-1,3-Dichloropropene	75		17.089					
65 4-Methyl-2-pentanone (MIBK)	43		17.324					
66 Toluene	92		17.666					
68 trans-1,3-Dichloropropene	75		18.196					
69 1,1,2-Trichloroethane	83		18.560					
70 Tetrachloroethene	166		18.704					
71 2-Hexanone	43		18.956					
72 Chlorodibromomethane	129		19.319					
73 Ethylene Dibromide	107		19.603					
* 75 Chlorobenzene-d5	117	20.448	20.448	0.0	83	1086849	10.0	
76 Chlorobenzene	112		20.507					
77 Ethylbenzene	91		20.619					
79 m-Xylene & p-Xylene	106		20.839					
80 o-Xylene	106		21.550					
81 Styrene	104		21.588					
82 Bromoform	173		21.962					
83 Isopropylbenzene	105		22.117					
* 107 4-Bromofluorobenzene	95	22.449	22.449	0.0	0	690741	10.0	
85 1,1,2,2-Tetrachloroethane	83		22.674					
86 N-Propylbenzene	91		22.749					
84 4-Ethyltoluene	105		22.914					
89 2-Chlorotoluene	91		22.947					
90 1,3,5-Trimethylbenzene	105		23.011					
92 tert-Butylbenzene	119		23.487					
93 1,2,4-Trimethylbenzene	105		23.578					
94 sec-Butylbenzene	105		23.813					
95 4-Isopropyltoluene	119		24.017					
96 1,3-Dichlorobenzene	146		24.086					
97 1,4-Dichlorobenzene	146		24.231					
98 Benzyl chloride	91		24.439					
100 n-Butylbenzene	91		24.658					
101 1,2-Dichlorobenzene	146		24.840					
103 1,2,4-Trichlorobenzene	180		27.735					
104 Hexachlorobutadiene	225		27.938					
105 Naphthalene	128		28.328					

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
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110 BFB

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 07-Jan-2014 12:21:50

Chrom Revision: 2.1 06-Dec-2013 12:55:10

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140106-5630.b\wakeup18.d

Injection Date: 07-Jan-2014 05:09:30

Instrument ID: CHW.i

Operator ID: wrd

Lims ID: 200-20208-A-10

Lab Sample ID: 200-20208-10

Worklist Smp#: 18

Client ID: 3515

Purge Vol: 200.000 mL

Dil. Factor: 0.2000

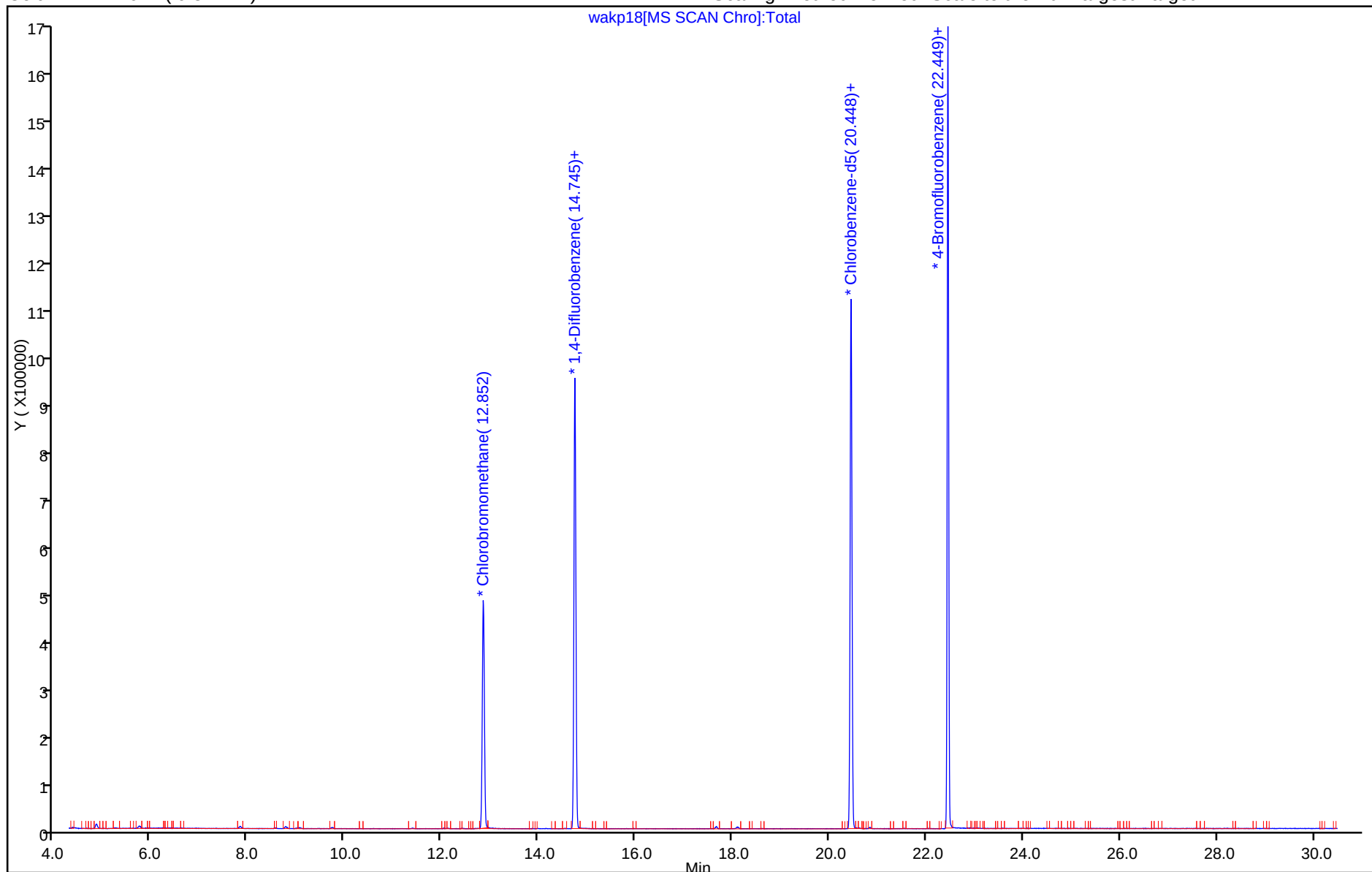
ALS Bottle#: 1

Method: TO15v5_W

Limit Group: AI_TO15_Limits

Column: RTX-624 (0.32 mm)

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



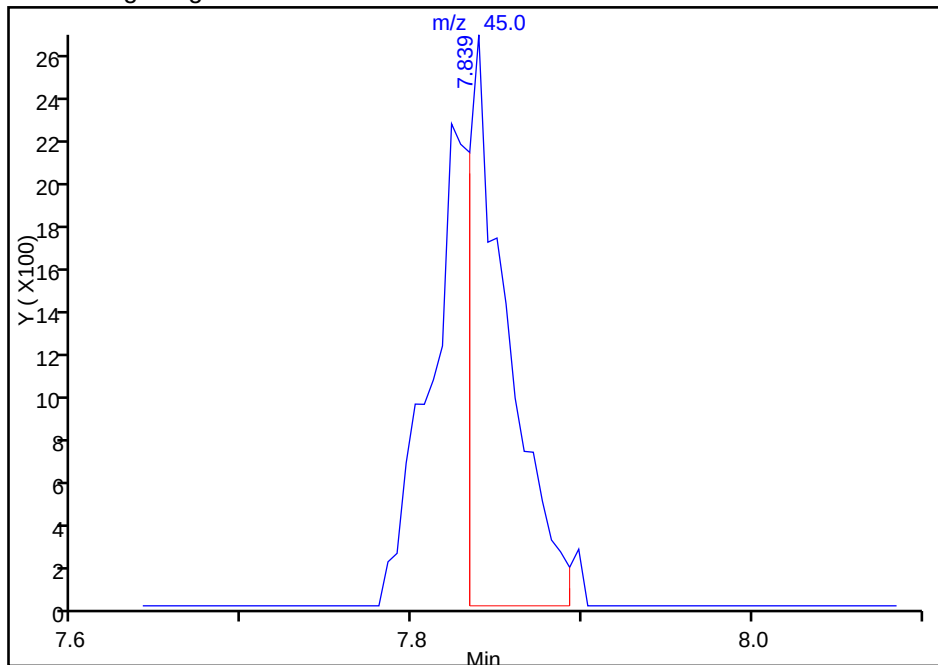
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140106-5630.b\wakp18.d		
Injection Date:	07-Jan-2014 05:09:30	Instrument ID:	CHW.i
Lims ID:	200-20208-A-10	Lab Sample ID:	200-20208-10
Client ID:	3515		
Operator ID:	wrd	ALS Bottle#:	1
Purge Vol:	200.000 mL	Dil. Factor:	0.2000
Method:	TO15v5_W	Limit Group:	AI_TO15_Limits
Column:	RTX-624 (0.32 mm)	Detector:	MS SCAN
		Worklist Smp#:	18

19 Ethanol, CAS: 64-17-5

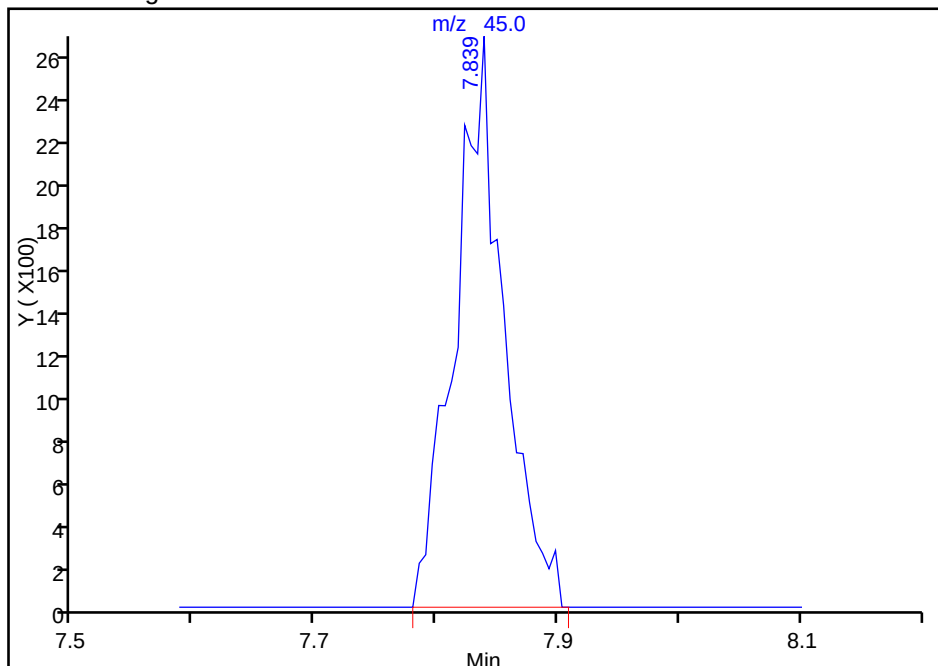
RT: 7.84
Response: 4162
Amount: 0.565435

Processing Integration Results



RT: 7.84
Response: 7285
Amount: 0.989715

Manual Integration Results



Reviewer: lyonsb, 07-Jan-2014 10:58:08
Audit Action: Manually Integrated
Audit Reason: Baseline Event

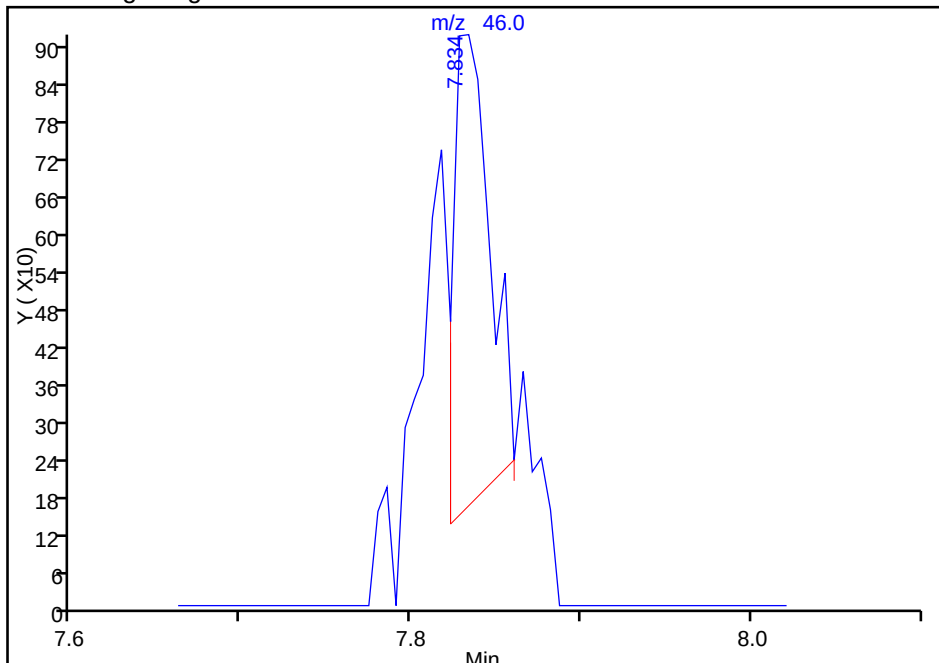
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140106-5630.b\wakp18.d		
Injection Date:	07-Jan-2014 05:09:30	Instrument ID:	CHW.i
Lims ID:	200-20208-A-10	Lab Sample ID:	200-20208-10
Client ID:	3515		
Operator ID:	wrd	ALS Bottle#:	1
Purge Vol:	200.000 mL	Dil. Factor:	0.2000
Method:	TO15v5_W	Limit Group:	AI_TO15_Limits
Column:	RTX-624 (0.32 mm)	Detector:	MS SCAN
		Worklist Smp#:	18

19 Ethanol, CAS: 64-17-5

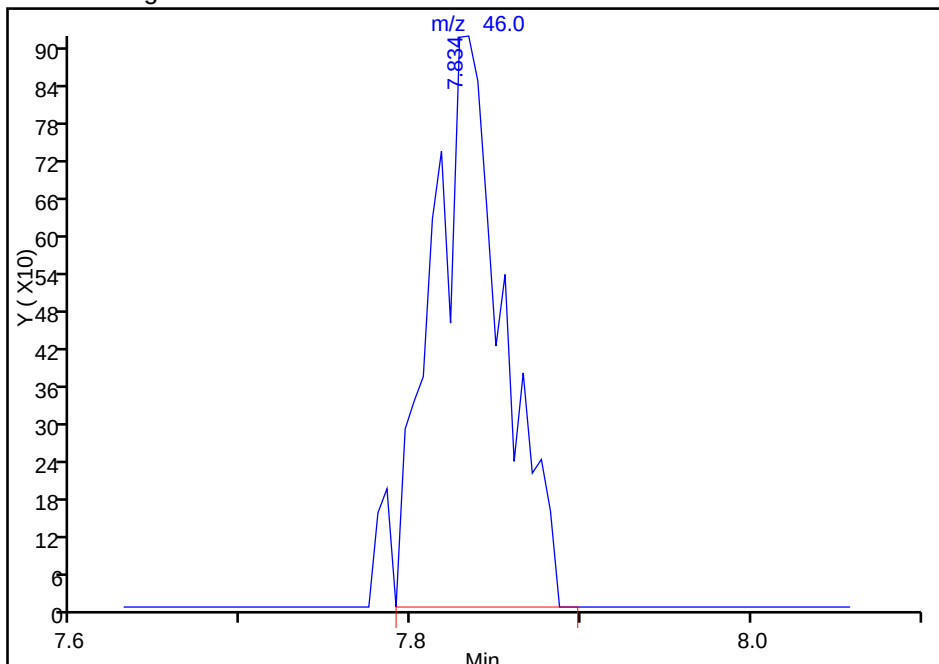
RT: 7.83
Response: 1123
Amount: 0.565435

Processing Integration Results



RT: 7.83
Response: 2659
Amount: 0.989715

Manual Integration Results



Reviewer: lyonsb, 07-Jan-2014 10:58:08
Audit Action: Manually Integrated
Audit Reason: Baseline Event

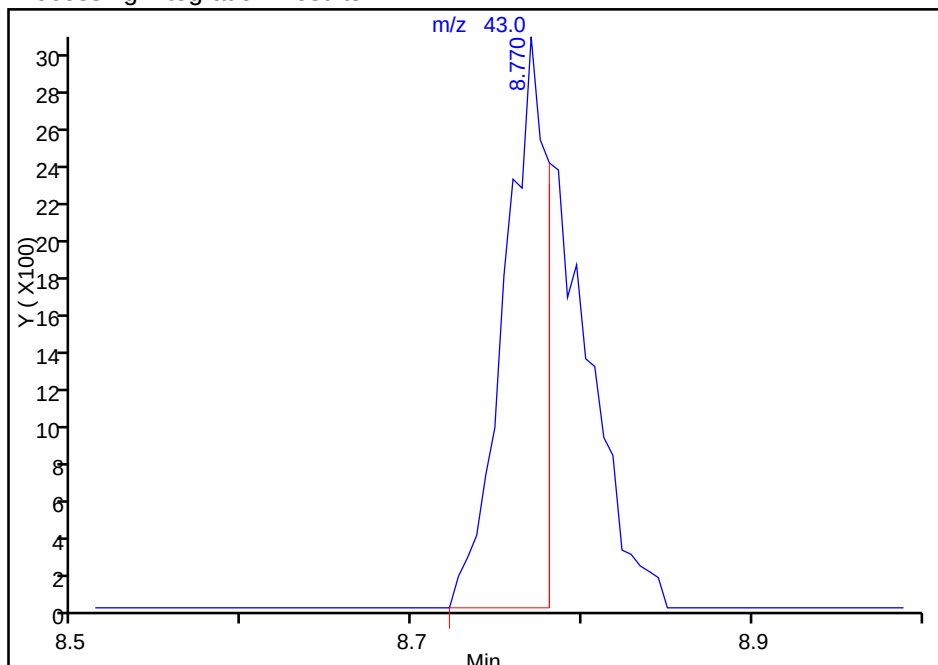
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140106-5630.b\wakp18.d		
Injection Date:	07-Jan-2014 05:09:30	Instrument ID:	CHW.i
Lims ID:	200-20208-A-10	Lab Sample ID:	200-20208-10
Client ID:	3515		
Operator ID:	wrd	ALS Bottle#:	1
Purge Vol:	200.000 mL	Dil. Factor:	0.2000
Method:	TO15v5_W	Limit Group:	AI_TO15_Limits
Column:	RTX-624 (0.32 mm)	Detector:	MS SCAN
		Worklist Smp#:	18

24 Acetone, CAS: 67-64-1

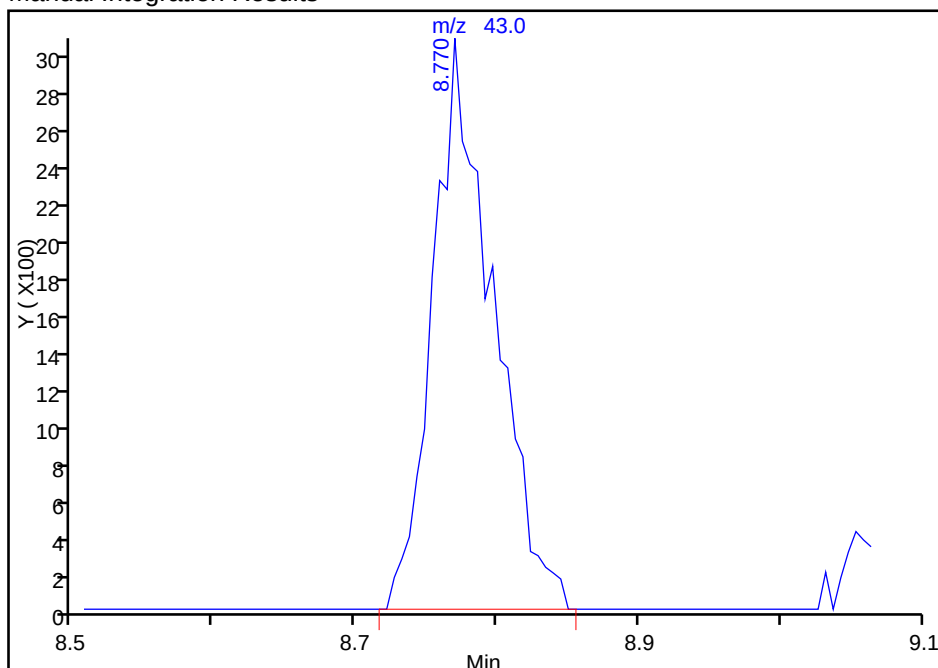
RT: 8.77
Response: 5296
Amount: 0.146290

Processing Integration Results



RT: 8.77
Response: 8887
Amount: 0.245483

Manual Integration Results



Reviewer: lyonsb, 07-Jan-2014 10:58:08
Audit Action: Manually Integrated
Audit Reason: Baseline Event

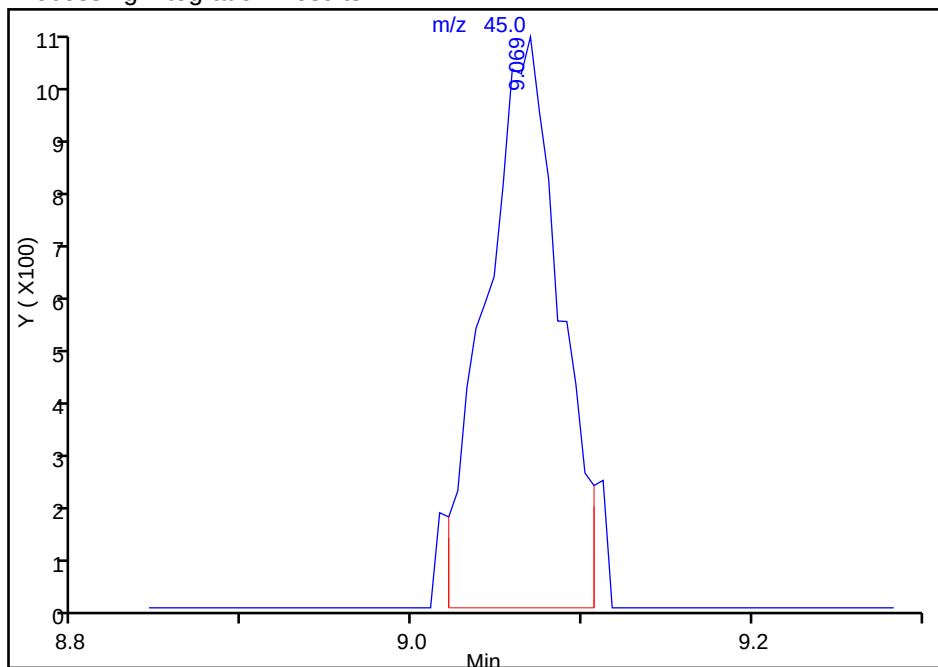
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140106-5630.b\wakp18.d		
Injection Date:	07-Jan-2014 05:09:30	Instrument ID:	CHW.i
Lims ID:	200-20208-A-10	Lab Sample ID:	200-20208-10
Client ID:	3515		
Operator ID:	wrd	ALS Bottle#:	1
Purge Vol:	200.000 mL	Dil. Factor:	0.2000
Method:	TO15v5_W	Limit Group:	AI_TO15_Limits
Column:	RTX-624 (0.32 mm)	Detector:	MS SCAN
		Worklist Smp#:	18

27 Isopropyl alcohol, CAS: 67-63-0

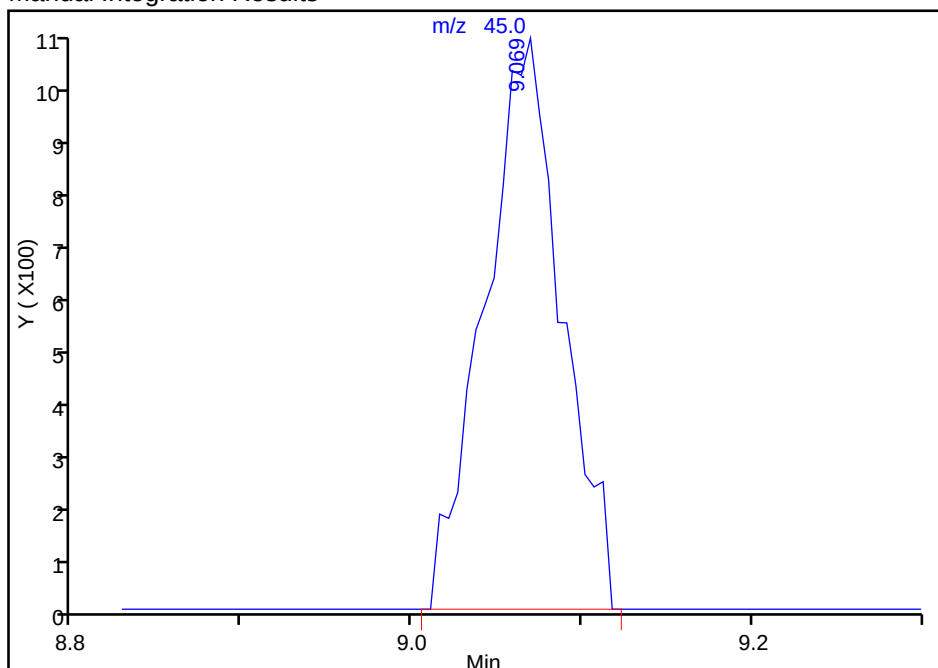
RT: 9.07
Response: 3311
Amount: 0.128915

Processing Integration Results



RT: 9.07
Response: 3448
Amount: 0.134249

Manual Integration Results



Reviewer: lyonsb, 07-Jan-2014 10:58:08
Audit Action: Manually Integrated
Audit Reason: Baseline Event

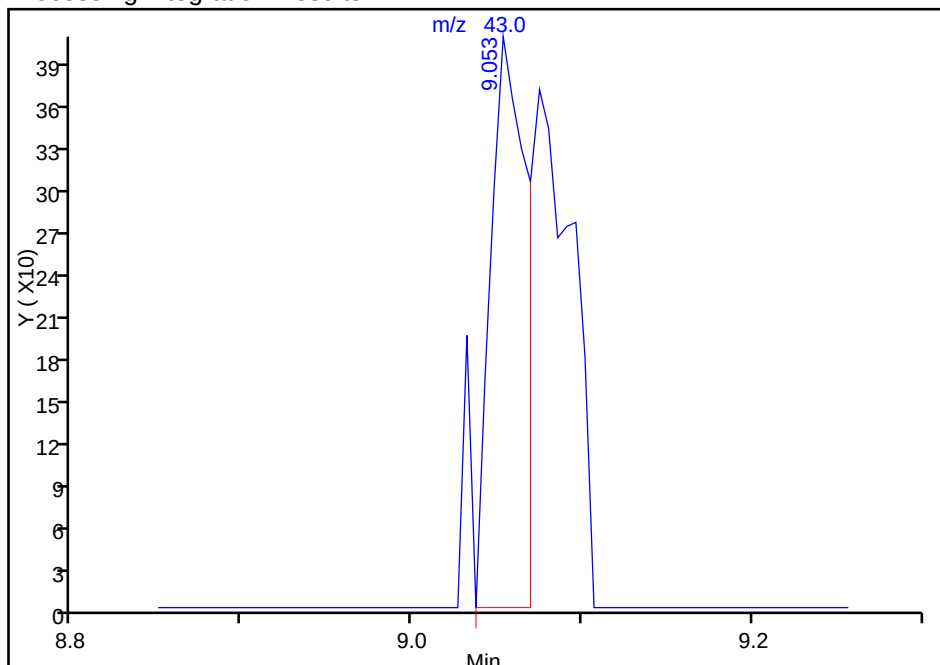
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140106-5630.b\wakp18.d		
Injection Date:	07-Jan-2014 05:09:30	Instrument ID:	CHW.i
Lims ID:	200-20208-A-10	Lab Sample ID:	200-20208-10
Client ID:	3515		
Operator ID:	wrd	ALS Bottle#:	1
Purge Vol:	200.000 mL	Dil. Factor:	0.2000
Method:	TO15v5_W	Limit Group:	AI_TO15_Limits
Column:	RTX-624 (0.32 mm)	Detector:	MS SCAN
		Worklist Smp#:	18

27 Isopropyl alcohol, CAS: 67-63-0

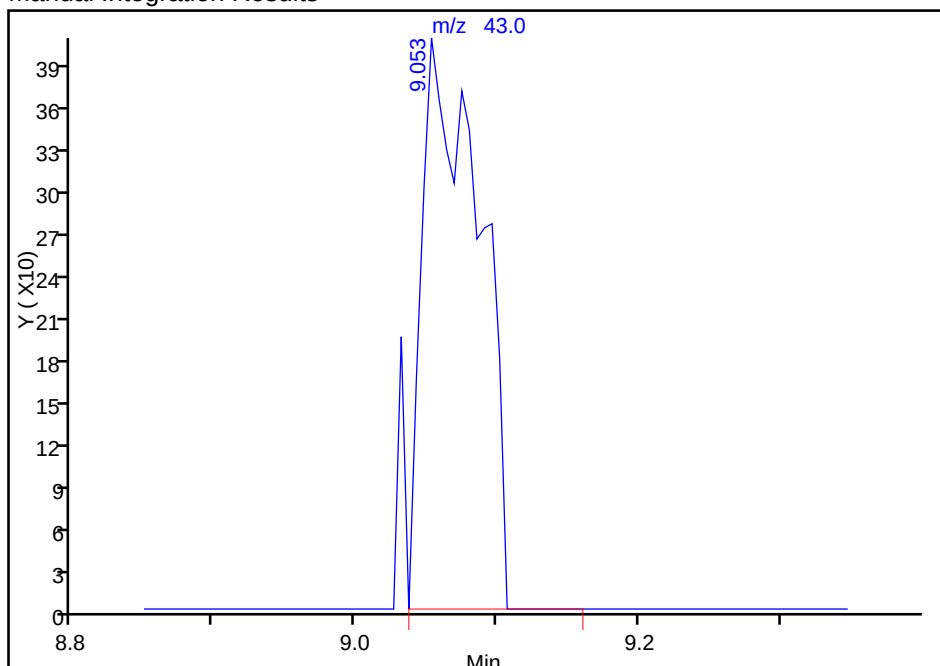
RT: 9.05
Response: 602
Amount: 0.128915

Processing Integration Results



RT: 9.05
Response: 1150
Amount: 0.134249

Manual Integration Results



Reviewer: lyonsb, 07-Jan-2014 10:58:08
Audit Action: Manually Integrated
Audit Reason: Baseline Event

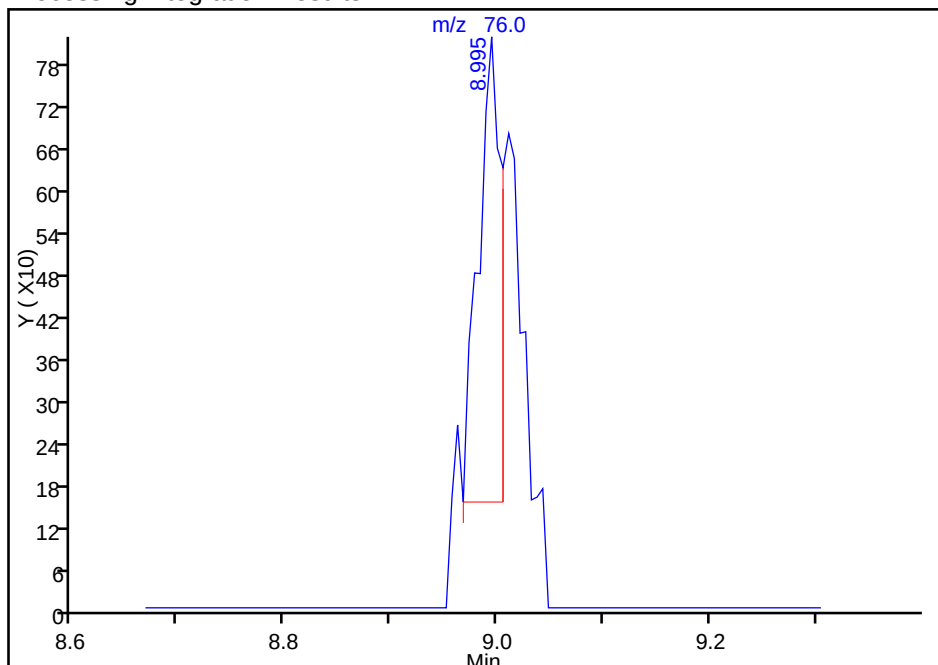
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140106-5630.b\wakp18.d		
Injection Date:	07-Jan-2014 05:09:30	Instrument ID:	CHW.i
Lims ID:	200-20208-A-10	Lab Sample ID:	200-20208-10
Client ID:	3515		
Operator ID:	wrd	ALS Bottle#:	1
Purge Vol:	200.000 mL	Dil. Factor:	0.2000
Method:	TO15v5_W	Limit Group:	AI_TO15_Limits
Column:	RTX-624 (0.32 mm)	Detector:	MS SCAN
		Worklist Smp#:	18

26 Carbon disulfide, CAS: 75-15-0

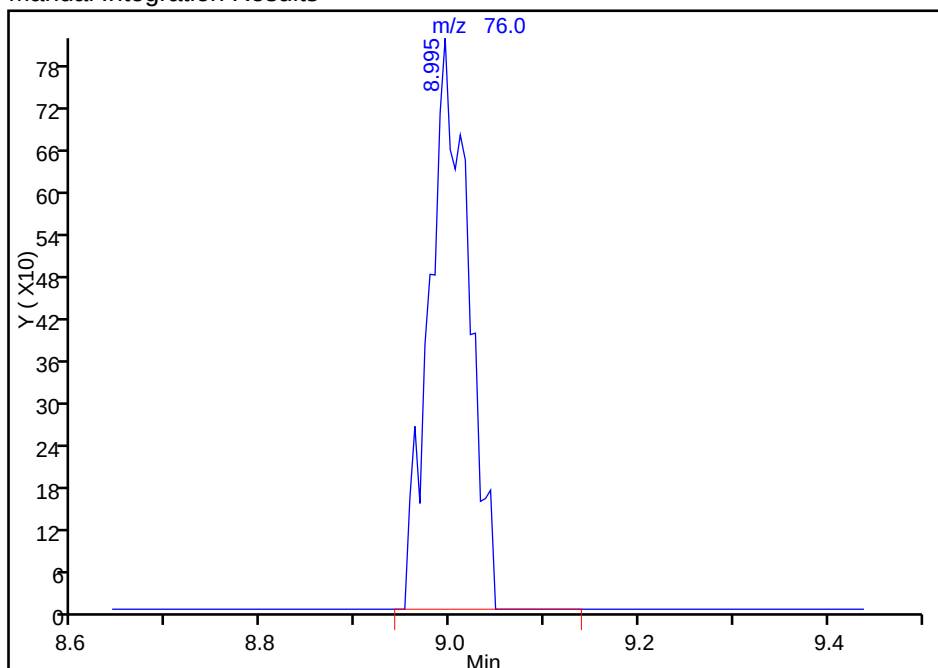
RT: 8.99
Response: 990
Amount: 0.012039

Processing Integration Results



RT: 8.99
Response: 2342
Amount: 0.028479

Manual Integration Results



Reviewer: lyonsb, 07-Jan-2014 10:58:08
Audit Action: Manually Integrated
Audit Reason: Baseline Event

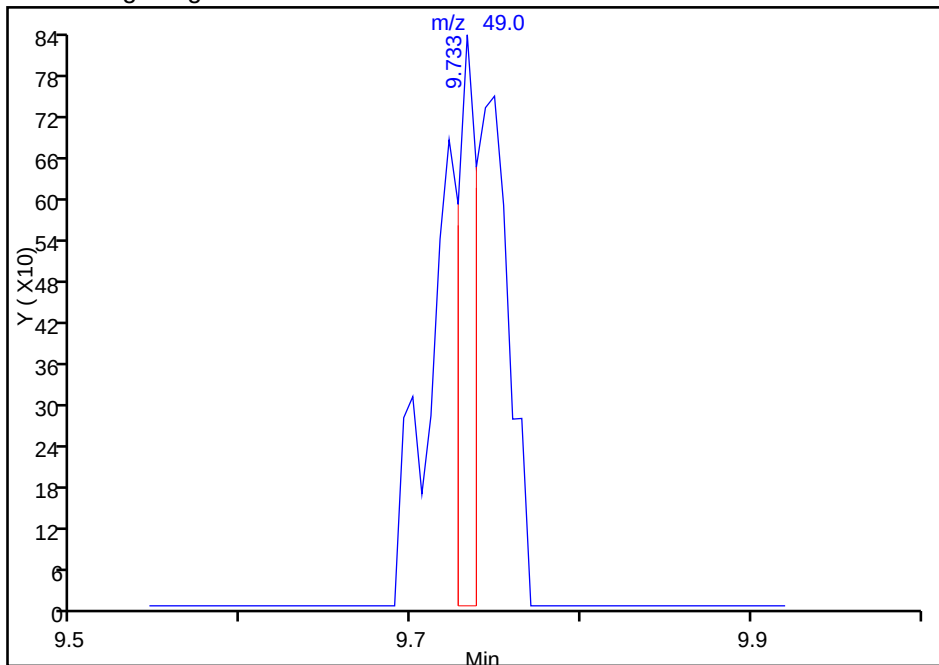
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140106-5630.b\wakp18.d		
Injection Date:	07-Jan-2014 05:09:30	Instrument ID:	CHW.i
Lims ID:	200-20208-A-10	Lab Sample ID:	200-20208-10
Client ID:	3515		
Operator ID:	wrd	ALS Bottle#:	1
Purge Vol:	200.000 mL	Dil. Factor:	0.2000
Method:	TO15v5_W	Limit Group:	AI_TO15_Limits
Column:	RTX-624 (0.32 mm)	Detector:	MS SCAN
		Worklist Smp#:	18

30 Methylene Chloride, CAS: 75-09-2

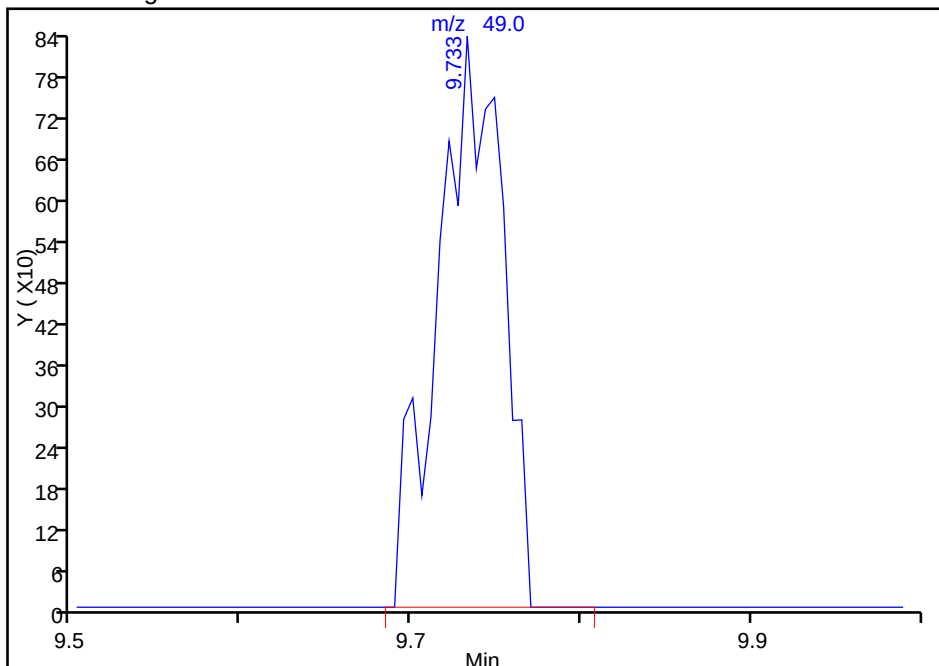
RT: 9.73
Response: 665
Amount: 0.031023

Processing Integration Results



RT: 9.73
Response: 2226
Amount: 0.103845

Manual Integration Results



Reviewer: lyonsb, 07-Jan-2014 10:58:08
Audit Action: Manually Integrated
Audit Reason: Baseline Event

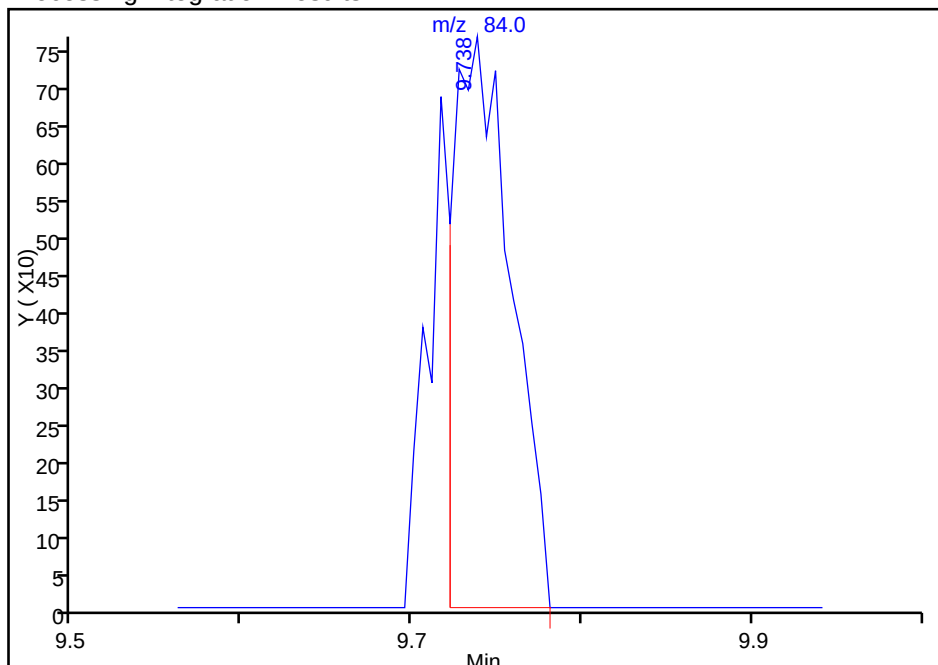
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140106-5630.b\wakp18.d		
Injection Date:	07-Jan-2014 05:09:30	Instrument ID:	CHW.i
Lims ID:	200-20208-A-10	Lab Sample ID:	200-20208-10
Client ID:	3515		
Operator ID:	wrd	ALS Bottle#:	1
Purge Vol:	200.000 mL	Dil. Factor:	0.2000
Method:	TO15v5_W	Limit Group:	AI_TO15_Limits
Column:	RTX-624 (0.32 mm)	Detector:	MS SCAN
		Worklist Smp#:	18

30 Methylene Chloride, CAS: 75-09-2

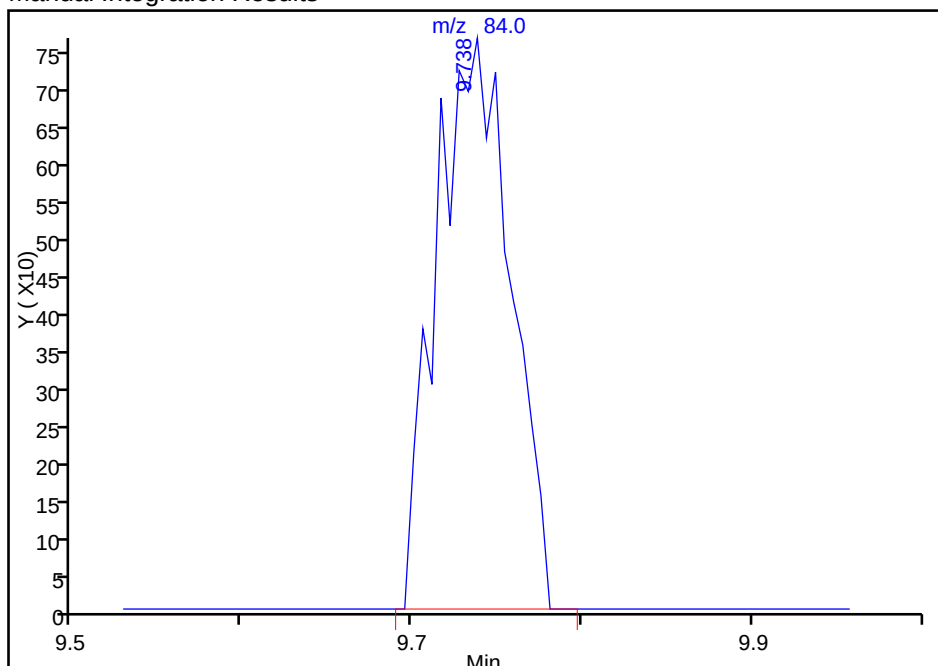
RT: 9.74
Response: 1837
Amount: 0.031023

Processing Integration Results



RT: 9.74
Response: 2345
Amount: 0.103845

Manual Integration Results



Reviewer: lyonsb, 07-Jan-2014 10:58:08
Audit Action: Manually Integrated
Audit Reason: Baseline Event

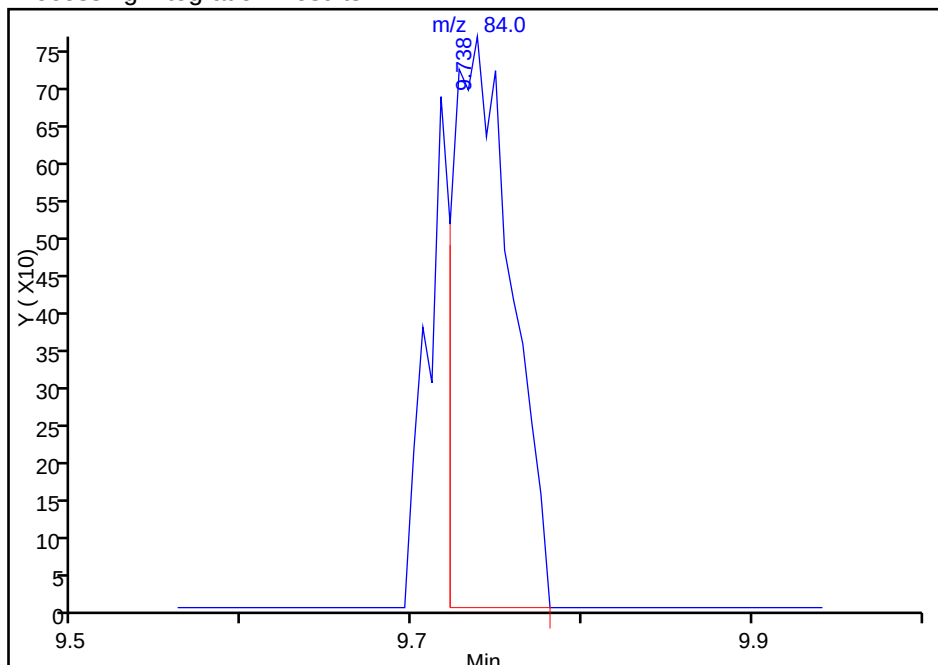
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140106-5630.b\wakp18.d		
Injection Date:	07-Jan-2014 05:09:30	Instrument ID:	CHW.i
Lims ID:	200-20208-A-10	Lab Sample ID:	200-20208-10
Client ID:	3515		
Operator ID:	wrd	ALS Bottle#:	1
Purge Vol:	200.000 mL	Dil. Factor:	0.2000
Method:	TO15v5_W	Limit Group:	AI_TO15_Limits
Column:	RTX-624 (0.32 mm)	Detector:	MS SCAN
		Worklist Smp#:	18

30 Methylene Chloride, CAS: 75-09-2

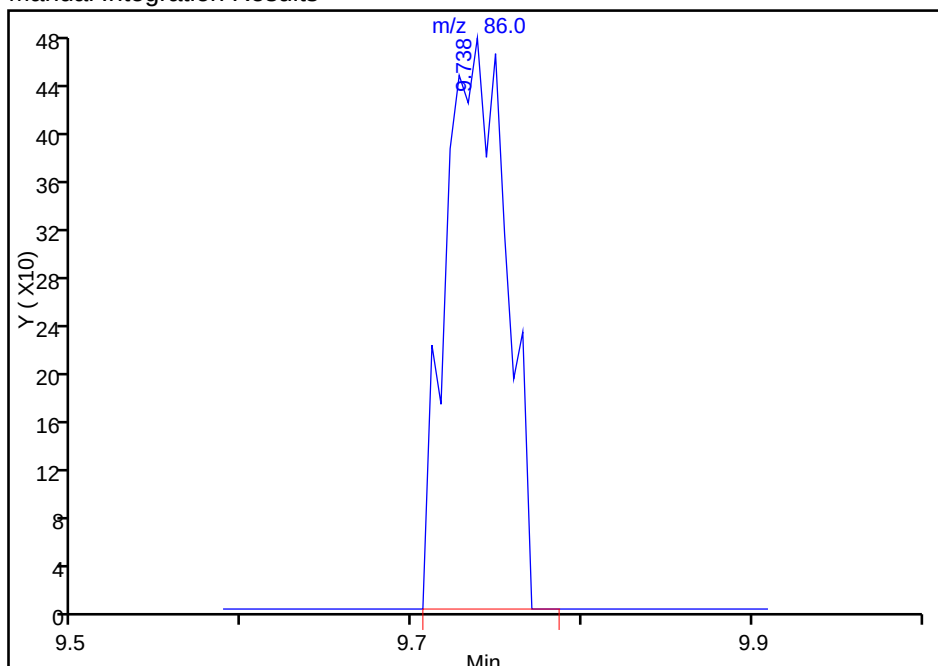
RT: 9.74
Response: 0
Amount: 0.031023

Processing Integration Results



RT: 9.74
Response: 1180
Amount: 0.103845

Manual Integration Results



Reviewer: lyonsb, 07-Jan-2014 10:58:08
Audit Action: Manually Integrated
Audit Reason: Baseline Event

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

Lab Name: TestAmerica Burlington Job No.: 200-20208-1
 SDG No.: _____
 Client Sample ID: 3545 Lab Sample ID: 200-20208-11
 Matrix: Air Lab File ID: wakp19.d
 Analysis Method: TO-15 Date Collected: 12/20/2013 00:00
 Sample wt/vol: 1000 (mL) Date Analyzed: 01/07/2014 06:17
 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.: 66828 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.: 200-20208-1
 SDG No.: _____
 Client Sample ID: 3545 Lab Sample ID: 200-20208-11
 Matrix: Air Lab File ID: wakpl9.d
 Analysis Method: TO-15 Date Collected: 12/20/2013 00:00
 Sample wt/vol: 1000 (mL) Date Analyzed: 01/07/2014 06:17
 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.: 66828 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.: 200-20208-1
 SDG No.: _____
 Client Sample ID: 3545 Lab Sample ID: 200-20208-11
 Matrix: Air Lab File ID: wakpl9.d
 Analysis Method: TO-15 Date Collected: 12/20/2013 00:00
 Sample wt/vol: 1000 (mL) Date Analyzed: 01/07/2014 06:17
 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.: 66828 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.040	U *	0.040	0.040
104-51-8	n-Butylbenzene	0.040	U	0.040	0.040
95-50-1	1,2-Dichlorobenzene	0.040	U	0.040	0.040
120-82-1	1,2,4-Trichlorobenzene	0.10	U	0.10	0.10
87-68-3	Hexachlorobutadiene	0.040	U	0.040	0.040
91-20-3	Naphthalene	0.10	U *	0.10	0.10

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140106-5630.b\wakp19.d
 Lims ID: 200-20208-A-11 Lab Sample ID: 200-20208-11
 Client ID: 3545
 Sample Type: Client
 Inject. Date: 07-Jan-2014 06:17:30 ALS Bottle#: 2 Worklist Smp#: 19
 Purge Vol: 200.000 mL Dil. Factor: 0.2000
 Sample Info: 200-0005630-019
 Misc. Info.: 200-20208-A-11
 Operator ID: wrd Instrument ID: CHW.i
 Method: \\BTV-LIMS1\ChromData\CHW.i\20140106-5630.b\TO15v5_W.m
 Limit Group: AI_TO15_Limits
 Last Update: 07-Jan-2014 12:21:34 Calib Date: 12-Dec-2013 23:57:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20131212-5428.b\wak011.d
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: XAWRK028

First Level Reviewer: lyonsb

Date: 07-Jan-2014 10:51:07

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
1 Propene	41		4.372					
6 Dichlorodifluoromethane	85		4.469					
7 Chlorodifluoromethane	51		4.533					
8 1,2-Dichloro-1,1,2,2-tetrafluoro	85		4.822					
9 Chloromethane	50		5.014					
10 Butane	43		5.282					
11 Vinyl chloride	62		5.335					
12 Butadiene	54		5.437					
13 Bromomethane	94		6.304					
14 Chloroethane	64		6.593					
16 Vinyl bromide	106		7.074					
17 Trichlorofluoromethane	101		7.192					
19 Ethanol	45		7.796					
22 1,1,2-Trichloro-1,2,2-trifluoro	101		8.444					
23 1,1-Dichloroethene	96		8.513					
24 Acetone	43	8.775	8.791	-0.016	59	7493	0.2074	M
26 Carbon disulfide	76		9.000					M
27 Isopropyl alcohol	45		9.032					
28 3-Chloro-1-propene	41		9.406					
30 Methylene Chloride	49		9.738					
31 2-Methyl-2-propanol	59		9.904					
S 38 1,2-Dichloroethene, Total	61		10.000					
32 Methyl tert-butyl ether	73		10.166					
33 trans-1,2-Dichloroethene	61		10.230					
35 Hexane	57		10.653					
36 1,1-Dichloroethane	63		11.204					
37 Vinyl acetate	43		11.241					
39 cis-1,2-Dichloroethene	96		12.376					
40 2-Butanone (MEK)	72		12.392					
41 Ethyl acetate	88		12.418					
* 42 Chlorobromomethane	128	12.852	12.857	-0.005	69	259162	10.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
43 Tetrahydrofuran	42		12.857					
44 Chloroform	83		12.969					
45 Cyclohexane	84		13.269					
46 1,1,1-Trichloroethane	97		13.280					
48 Carbon tetrachloride	117		13.536					
49 Isooctane	57		13.932					
50 Benzene	78		13.986					
51 1,2-Dichloroethane	62		14.146					
52 n-Heptane	43		14.280					
* 53 1,4-Difluorobenzene	114	14.746	14.745	0.001	92	1258586	10.0	
55 Trichloroethene	95		15.211					
S 63 Xylenes, Total	106				0		NC	
56 1,2-Dichloropropane	63		15.735					
57 Methyl methacrylate	69		15.821					
58 1,4-Dioxane	88		15.906					
59 Dibromomethane	174		15.981					
60 Dichlorobromomethane	83		16.222					
64 cis-1,3-Dichloropropene	75		17.089					
65 4-Methyl-2-pentanone (MIBK)	43		17.324					
66 Toluene	92		17.666					
68 trans-1,3-Dichloropropene	75		18.196					
69 1,1,2-Trichloroethane	83		18.560					
70 Tetrachloroethene	166		18.704					
71 2-Hexanone	43		18.956					
72 Chlorodibromomethane	129		19.319					
73 Ethylene Dibromide	107		19.603					
* 75 Chlorobenzene-d5	117	20.448	20.448	0.0	81	1087164	10.0	
76 Chlorobenzene	112		20.507					
77 Ethylbenzene	91	20.619	20.619	0.0	1	3289	0.0202	M
79 m-Xylene & p-Xylene	106	20.833	20.839	-0.006	0	5463	0.0854	M
80 o-Xylene	106	21.556	21.550	0.006	4	1323	0.0210	M
81 Styrene	104		21.588					
82 Bromoform	173		21.962					
83 Isopropylbenzene	105		22.117					
* 107 4-Bromofluorobenzene	95	22.449	22.449	0.0	0	712332	10.0	
85 1,1,2,2-Tetrachloroethane	83		22.674					
86 N-Propylbenzene	91		22.749					
84 4-Ethyltoluene	105		22.914					
89 2-Chlorotoluene	91		22.947					
90 1,3,5-Trimethylbenzene	105		23.011					
92 tert-Butylbenzene	119		23.487					
93 1,2,4-Trimethylbenzene	105		23.578					
94 sec-Butylbenzene	105		23.813					
95 4-Isopropyltoluene	119		24.017					
96 1,3-Dichlorobenzene	146		24.086					
97 1,4-Dichlorobenzene	146		24.231					
98 Benzyl chloride	91		24.439					
100 n-Butylbenzene	91		24.658					
101 1,2-Dichlorobenzene	146		24.840					
103 1,2,4-Trichlorobenzene	180		27.735					
104 Hexachlorobutadiene	225		27.938					
105 Naphthalene	128		28.328					

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
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110 BFB

QC Flag Legend

Review Flags

M - Manually Integrated

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140106-5630.b\wakp19.d

Injection Date: 07-Jan-2014 06:17:30

Instrument ID: CHW.i

Operator ID: wrd

Lims ID: 200-20208-A-11

Lab Sample ID: 200-20208-11

Worklist Smp#: 19

Client ID: 3545

Purge Vol: 200.000 mL

Dil. Factor: 0.2000

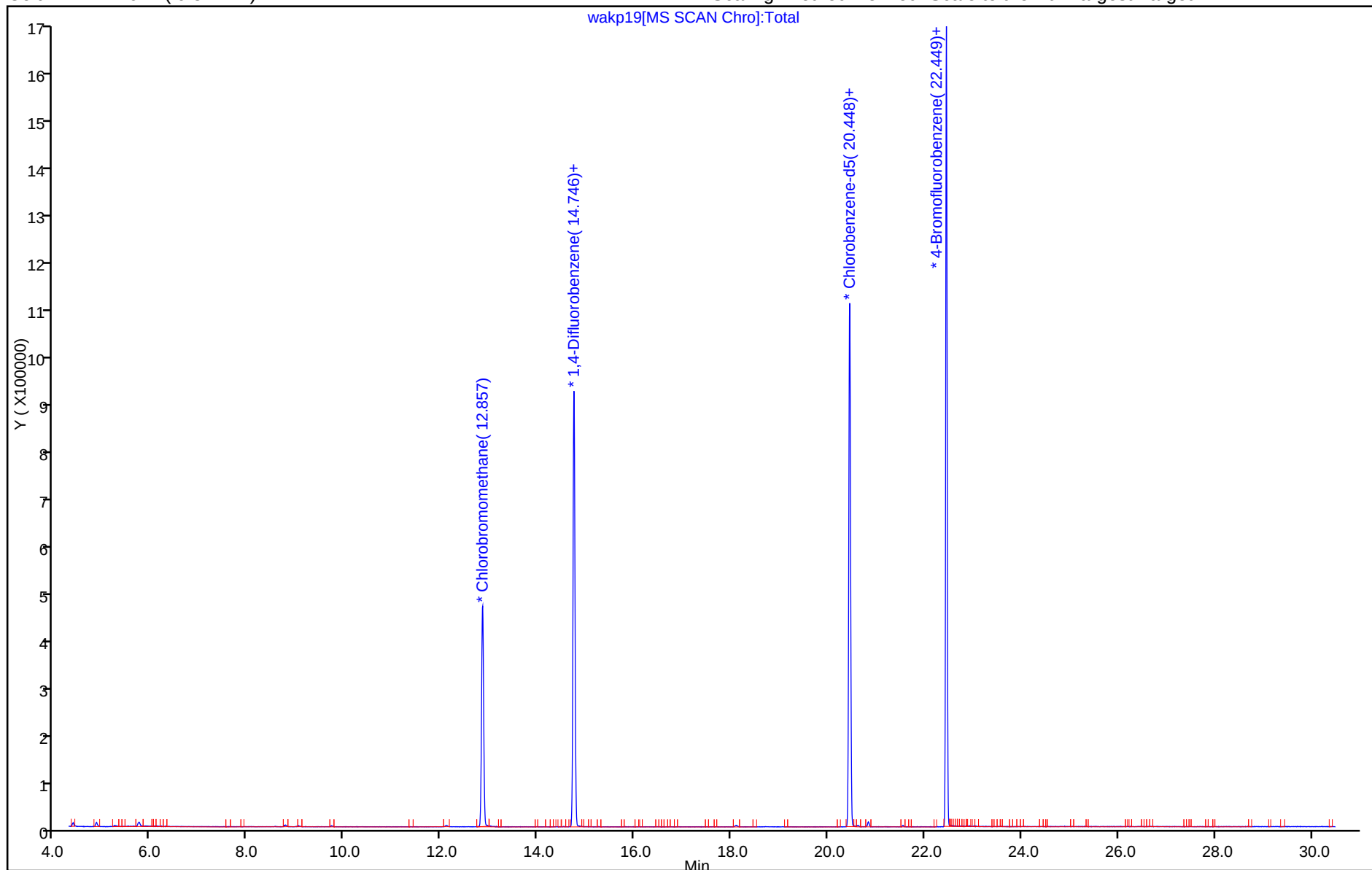
ALS Bottle#: 2

Method: TO15v5_W

Limit Group: AI_TO15_Limits

Column: RTX-624 (0.32 mm)

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



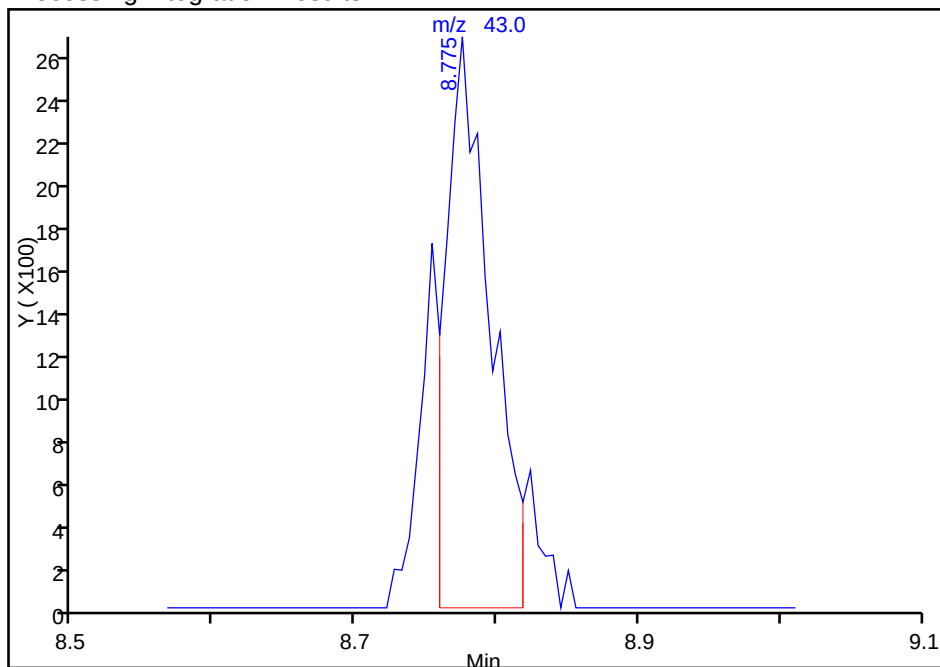
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140106-5630.b\wakp19.d		
Injection Date:	07-Jan-2014 06:17:30	Instrument ID:	CHW.i
Lims ID:	200-20208-A-11	Lab Sample ID:	200-20208-11
Client ID:	3545		
Operator ID:	wrd	ALS Bottle#:	2
Purge Vol:	200.000 mL	Dil. Factor:	0.2000
Method:	TO15v5_W	Limit Group:	AI_TO15_Limits
Column:	RTX-624 (0.32 mm)	Detector:	MS SCAN
		Worklist Smp#:	19

24 Acetone, CAS: 67-64-1

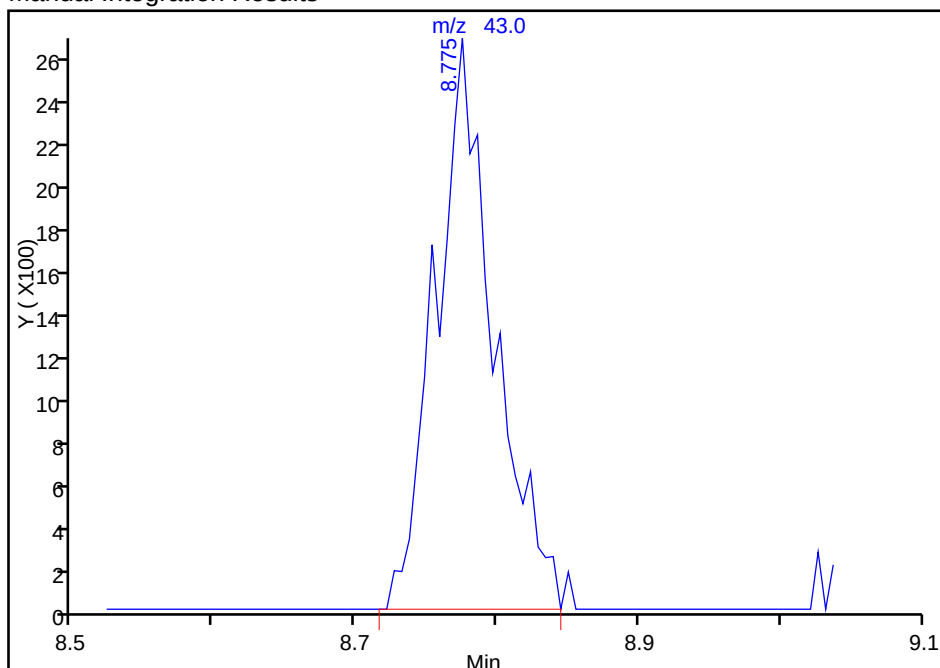
RT: 8.78
Response: 5728
Amount: 0.158570

Processing Integration Results



RT: 8.78
Response: 7493
Amount: 0.207431

Manual Integration Results



Reviewer: lyonsb, 07-Jan-2014 11:22:46
Audit Action: Manually Integrated
Audit Reason: Baseline Event

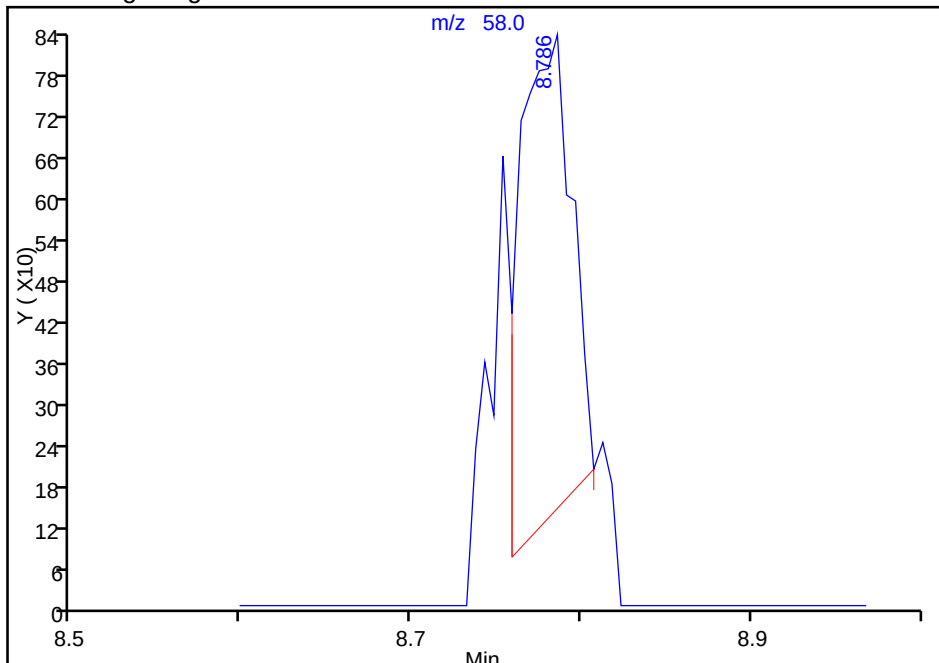
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140106-5630.b\wakp19.d				
Injection Date:	07-Jan-2014 06:17:30	Instrument ID:	CHW.i		
Lims ID:	200-20208-A-11	Lab Sample ID:	200-20208-11		
Client ID:	3545				
Operator ID:	wrd	ALS Bottle#:	2	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	0.2000		
Method:	TO15v5_W	Limit Group:	AI_TO15_Limits		
Column:	RTX-624 (0.32 mm)	Detector:	MS SCAN		

24 Acetone, CAS: 67-64-1

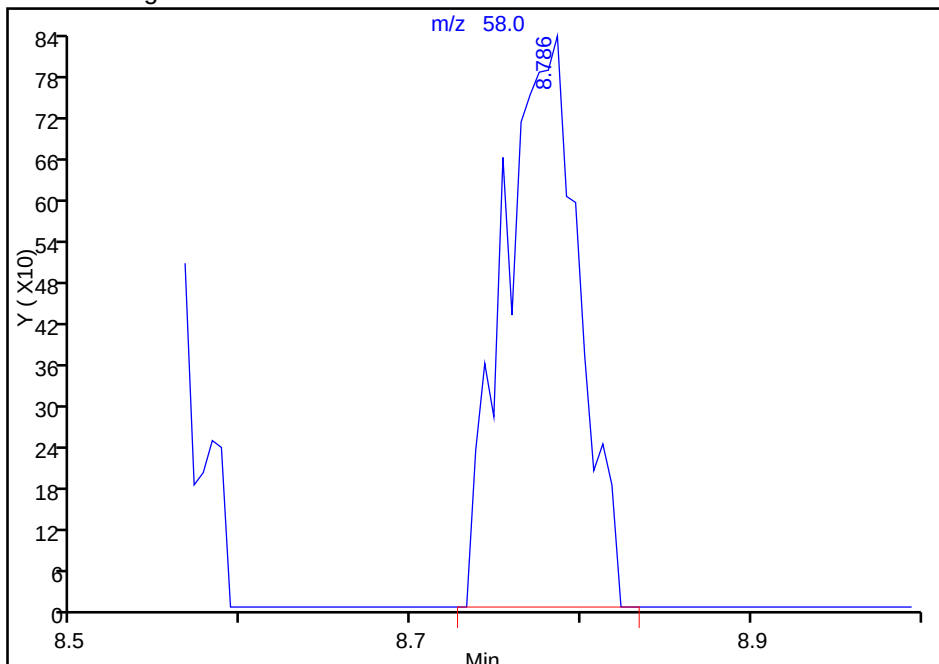
RT: 8.79
Response: 1511
Amount: 0.158570

Processing Integration Results



RT: 8.79
Response: 2569
Amount: 0.207431

Manual Integration Results



Reviewer: lyonsb, 07-Jan-2014 11:22:46
Audit Action: Manually Integrated
Audit Reason: Baseline Event

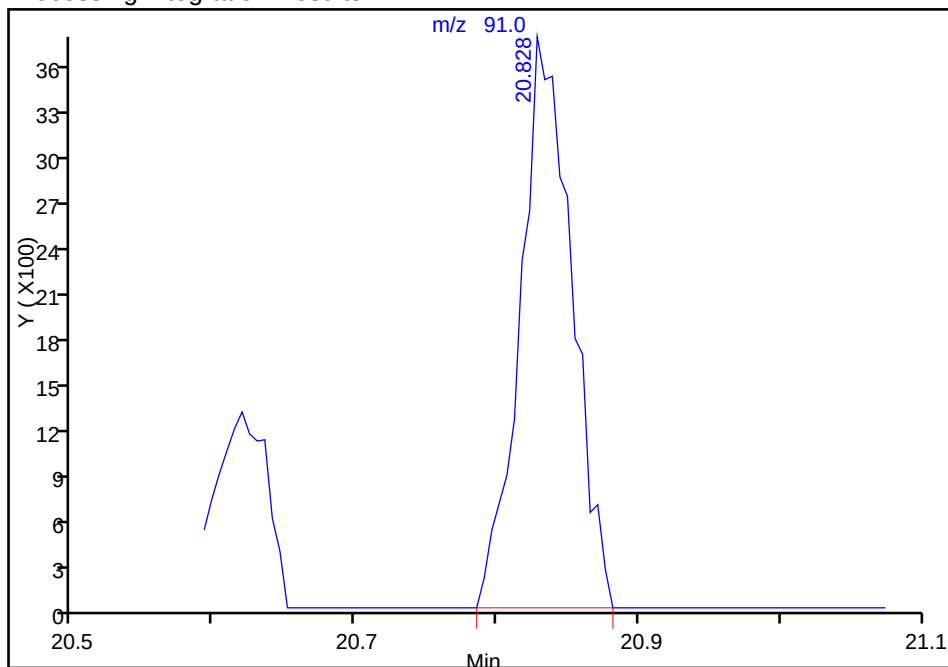
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140106-5630.b\wakp19.d		
Injection Date:	07-Jan-2014 06:17:30	Instrument ID:	CHW.i
Lims ID:	200-20208-A-11	Lab Sample ID:	200-20208-11
Client ID:	3545		
Operator ID:	wrd	ALS Bottle#:	2
Purge Vol:	200.000 mL	Dil. Factor:	0.2000
Method:	TO15v5_W	Limit Group:	AI_TO15_Limits
Column:	RTX-624 (0.32 mm)	Detector:	MS SCAN
		Worklist Smp#:	19

77 Ethylbenzene, CAS: 100-41-4

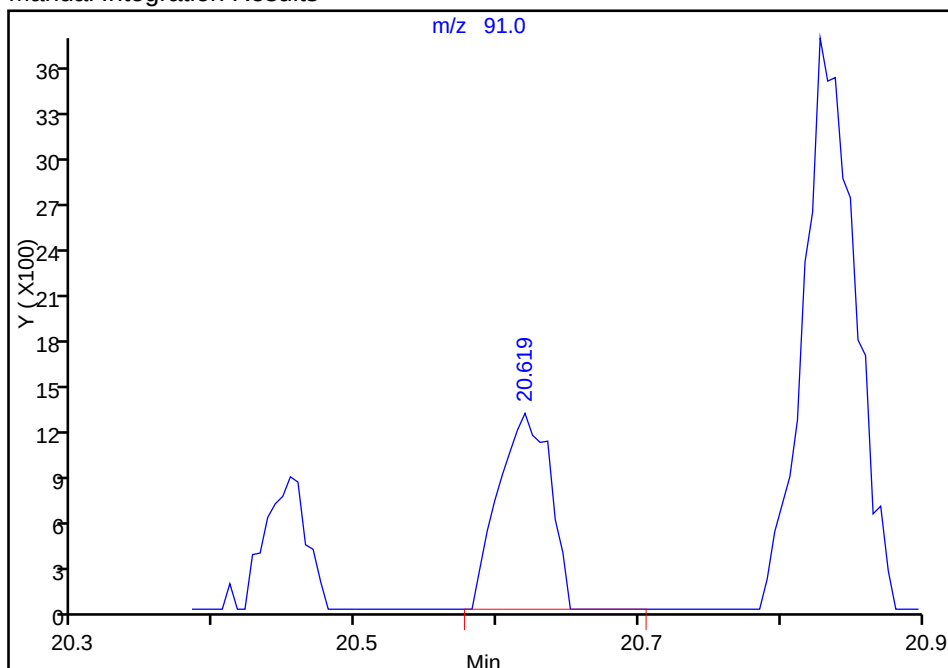
RT: 20.83
Response: 9593
Amount: 0.059038

Processing Integration Results



RT: 20.62
Response: 3289
Amount: 0.020241

Manual Integration Results



Reviewer: lyonsb, 07-Jan-2014 11:22:46
Audit Action: Manually Integrated
Audit Reason: Baseline Event

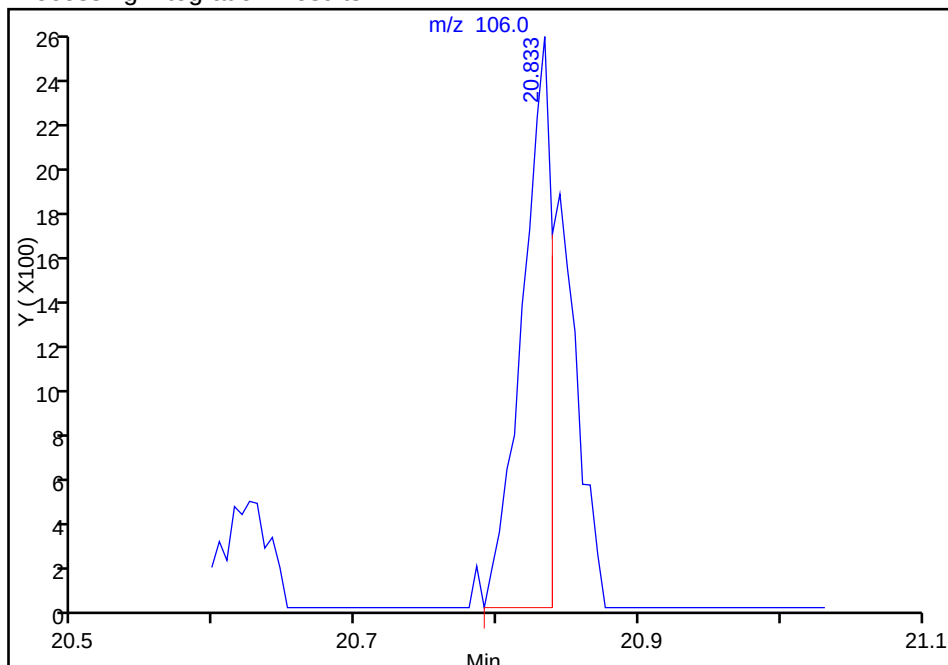
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140106-5630.b\wakeup19.d
Injection Date: 07-Jan-2014 06:17:30 Instrument ID: CHW.i
Lims ID: 200-20208-A-11 Lab Sample ID: 200-20208-11
Client ID: 3545
Operator ID: wrd ALS Bottle#: 2 Worklist Smp#: 19
Purge Vol: 200.000 mL Dil. Factor: 0.2000
Method: TO15v5_W Limit Group: AI_TO15_Limits
Column: RTX-624 (0.32 mm) Detector: MS SCAN

77 Ethylbenzene, CAS: 100-41-4

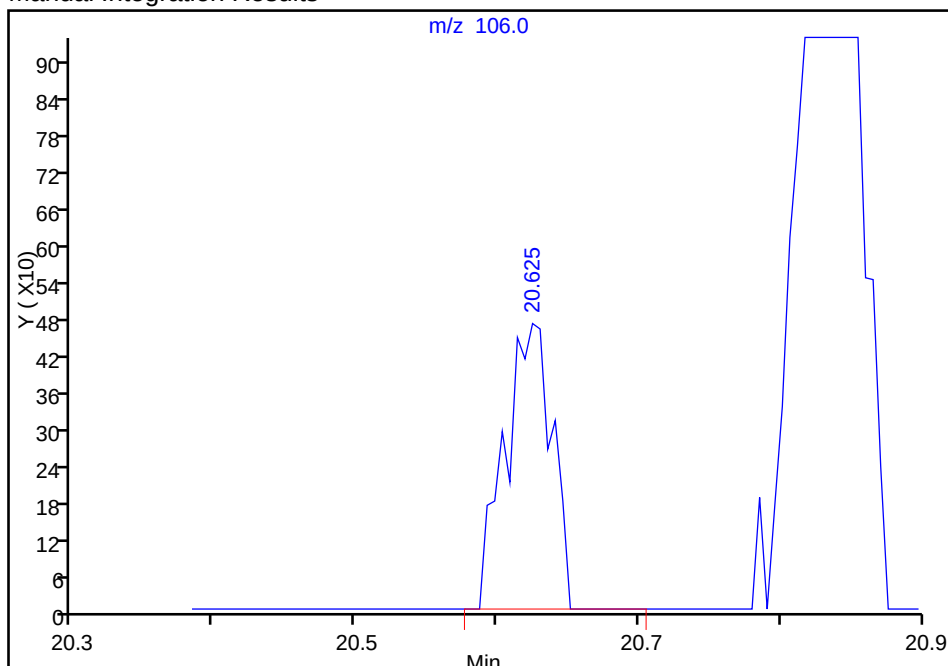
RT: 20.83
Response: 3587
Amount: 0.059038

Processing Integration Results



RT: 20.62
Response: 1084
Amount: 0.020241

Manual Integration Results



Reviewer: lyonsb, 07-Jan-2014 11:22:46
Audit Action: Manually Integrated
Audit Reason: Baseline Event

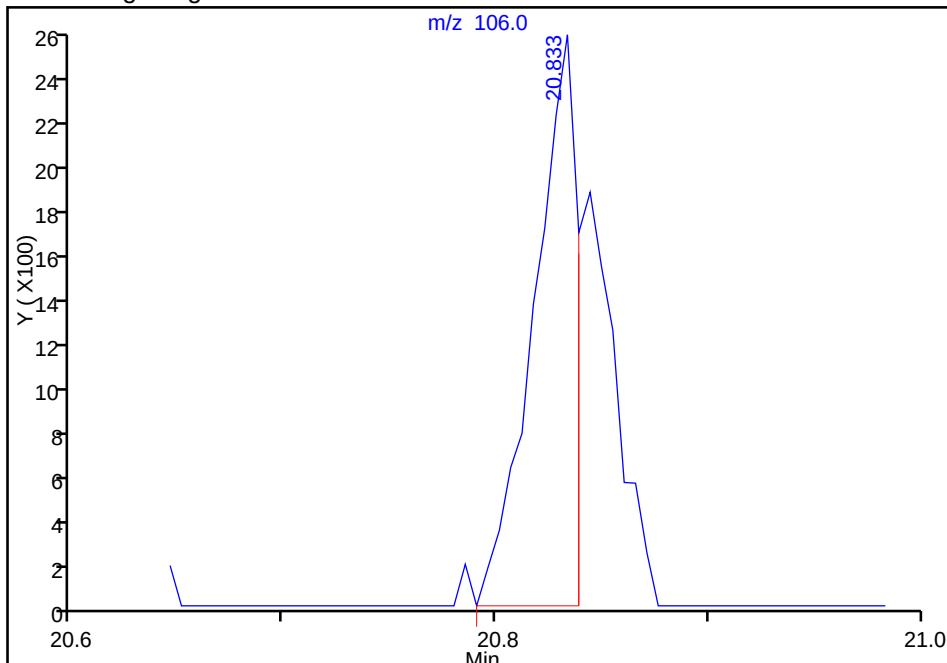
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140106-5630.b\wakp19.d				
Injection Date:	07-Jan-2014 06:17:30	Instrument ID:	CHW.i		
Lims ID:	200-20208-A-11	Lab Sample ID:	200-20208-11		
Client ID:	3545				
Operator ID:	wrd	ALS Bottle#:	2	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	0.2000		
Method:	TO15v5_W	Limit Group:	AI_TO15_Limits		
Column:	RTX-624 (0.32 mm)	Detector:	MS SCAN		

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

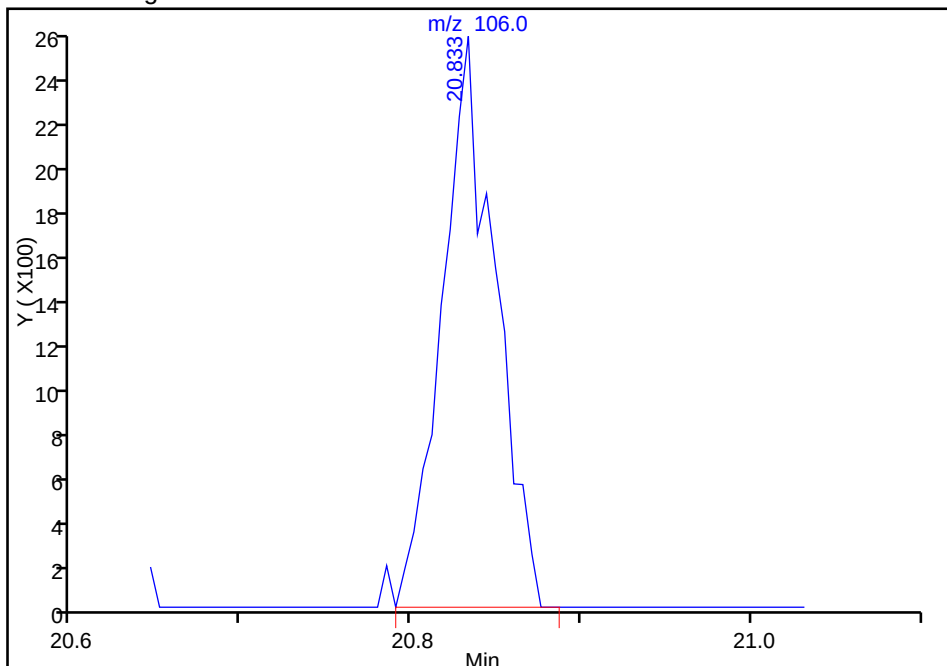
RT: 20.83
Response: 3587
Amount: 0.056093

Processing Integration Results



RT: 20.83
Response: 5463
Amount: 0.085429

Manual Integration Results



Reviewer: lyonsb, 07-Jan-2014 11:22:46
Audit Action: Manually Integrated
Audit Reason: Baseline Event

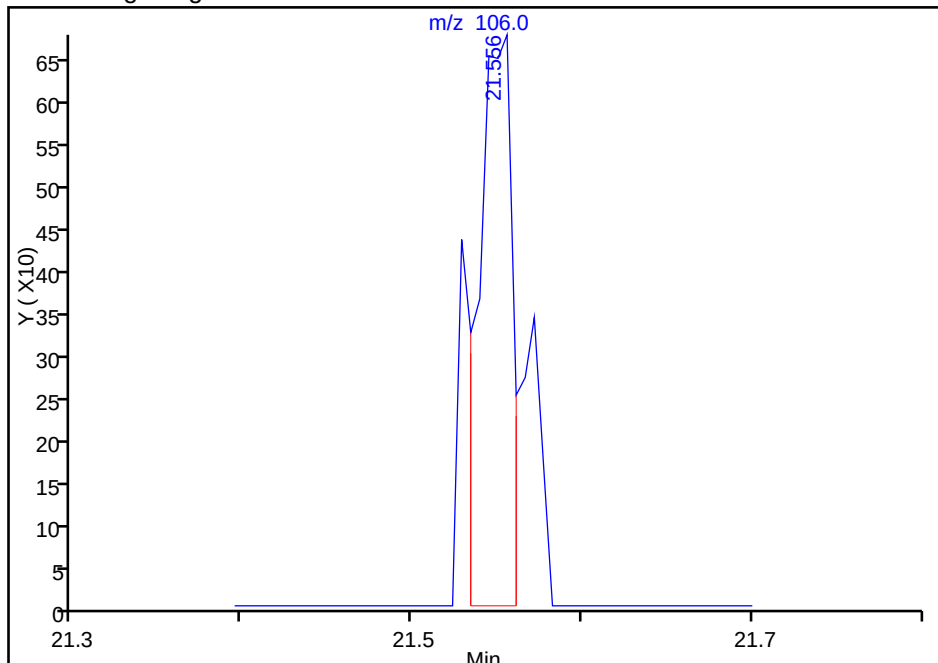
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140106-5630.b\wakp19.d		
Injection Date:	07-Jan-2014 06:17:30	Instrument ID:	CHW.i
Lims ID:	200-20208-A-11	Lab Sample ID:	200-20208-11
Client ID:	3545		
Operator ID:	wrd	ALS Bottle#:	2
Purge Vol:	200.000 mL	Dil. Factor:	0.2000
Method:	TO15v5_W	Limit Group:	AI_TO15_Limits
Column:	RTX-624 (0.32 mm)	Detector:	MS SCAN
		Worklist Smp#:	19

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

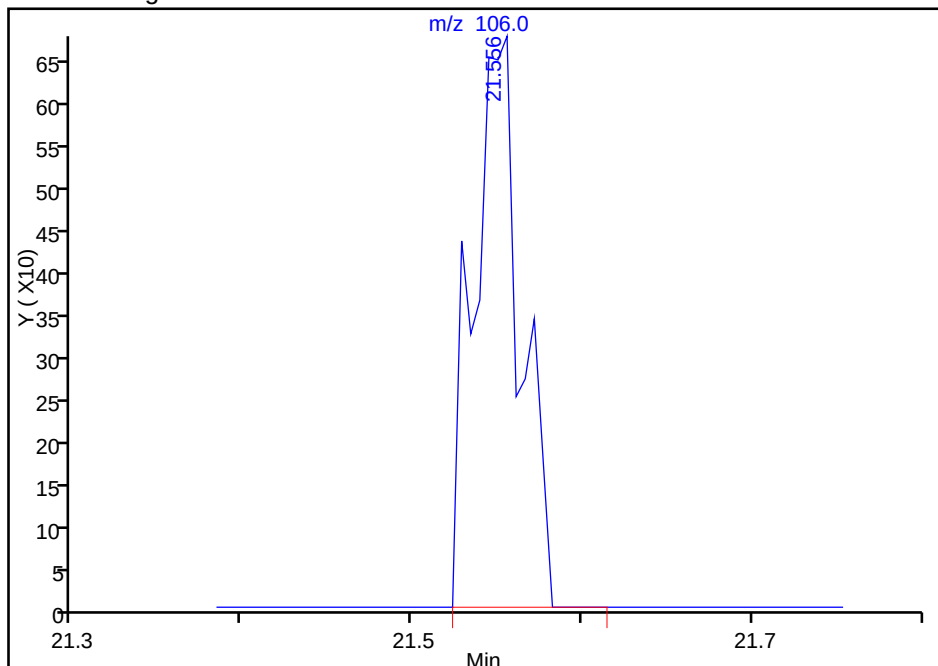
RT: 21.56
Response: 933
Amount: 0.014784

Processing Integration Results



RT: 21.56
Response: 1323
Amount: 0.020964

Manual Integration Results



Reviewer: lyonsb, 07-Jan-2014 11:22:46
Audit Action: Manually Integrated
Audit Reason: Baseline Event

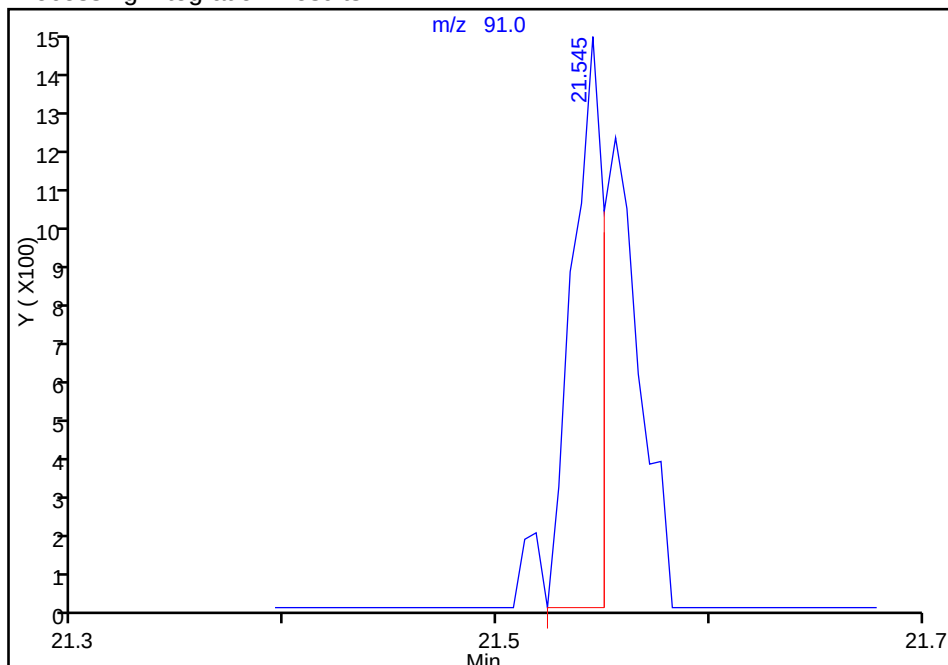
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140106-5630.b\wakeup19.d		
Injection Date:	07-Jan-2014 06:17:30	Instrument ID:	CHW.i
Lims ID:	200-20208-A-11	Lab Sample ID:	200-20208-11
Client ID:	3545		
Operator ID:	wrd	ALS Bottle#:	2
Purge Vol:	200.000 mL	Dil. Factor:	0.2000
Method:	TO15v5_W	Limit Group:	AI_TO15_Limits
Column:	RTX-624 (0.32 mm)	Detector:	MS SCAN
		Worklist Smp#:	19

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

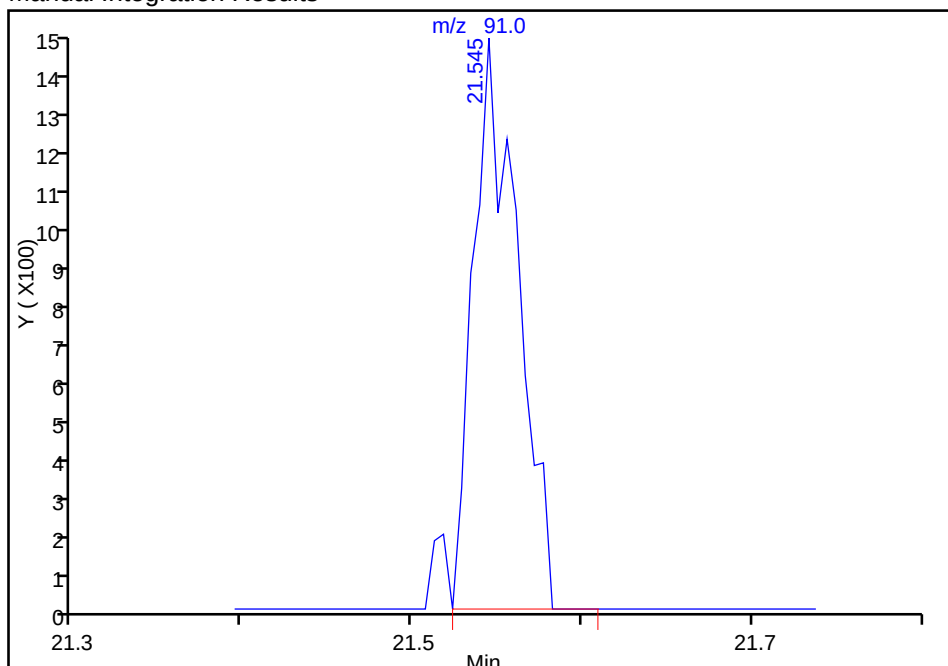
RT: 21.54
Response: 1538
Amount: 0.014784

Processing Integration Results



RT: 21.54
Response: 2708
Amount: 0.020964

Manual Integration Results



Reviewer: lyonsb, 07-Jan-2014 11:22:46
Audit Action: Manually Integrated
Audit Reason: Baseline Event

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

Lab Name: TestAmerica Burlington Job No.: 200-20208-1
 SDG No.: _____
 Client Sample ID: 2905 Lab Sample ID: 200-20208-12
 Matrix: Air Lab File ID: wakp20.d
 Analysis Method: TO-15 Date Collected: 12/20/2013 00:00
 Sample wt/vol: 1000 (mL) Date Analyzed: 01/07/2014 07:24
 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.: 66828 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.: 200-20208-1
 SDG No.: _____
 Client Sample ID: 2905 Lab Sample ID: 200-20208-12
 Matrix: Air Lab File ID: wakp20.d
 Analysis Method: TO-15 Date Collected: 12/20/2013 00:00
 Sample wt/vol: 1000 (mL) Date Analyzed: 01/07/2014 07:24
 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.: 66828 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.: 200-20208-1
SDG No.: _____
Client Sample ID: 2905 Lab Sample ID: 200-20208-12
Matrix: Air Lab File ID: wakp20.d
Analysis Method: TO-15 Date Collected: 12/20/2013 00:00
Sample wt/vol: 1000 (mL) Date Analyzed: 01/07/2014 07:24
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.: 66828 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.040	U *	0.040	0.040
104-51-8	n-Butylbenzene	0.040	U	0.040	0.040
95-50-1	1,2-Dichlorobenzene	0.040	U	0.040	0.040
120-82-1	1,2,4-Trichlorobenzene	0.10	U	0.10	0.10
87-68-3	Hexachlorobutadiene	0.040	U	0.040	0.040
91-20-3	Naphthalene	0.10	U *	0.10	0.10

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140106-5630.b\wakp20.d
 Lims ID: 200-20208-A-12 Lab Sample ID: 200-20208-12
 Client ID: 2905
 Sample Type: Client
 Inject. Date: 07-Jan-2014 07:24:30 ALS Bottle#: 3 Worklist Smp#: 20
 Purge Vol: 200.000 mL Dil. Factor: 0.2000
 Sample Info: 200-0005630-020
 Misc. Info.: 200-20208-A-12
 Operator ID: wrd Instrument ID: CHW.i
 Method: \\BTV-LIMS1\ChromData\CHW.i\20140106-5630.b\TO15v5_W.m
 Limit Group: AI_TO15_Limits
 Last Update: 07-Jan-2014 12:21:34 Calib Date: 12-Dec-2013 23:57:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20131212-5428.b\wak011.d
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: XAWRK028

First Level Reviewer: lyonsb

Date: 07-Jan-2014 10:51:22

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
1 Propene	41		4.372					
6 Dichlorodifluoromethane	85		4.469					
7 Chlorodifluoromethane	51		4.533					
8 1,2-Dichloro-1,1,2,2-tetrafluoro	85		4.822					
9 Chloromethane	50		5.014					
10 Butane	43		5.282					
11 Vinyl chloride	62		5.335					
12 Butadiene	54		5.437					
13 Bromomethane	94		6.304					
14 Chloroethane	64		6.593					
16 Vinyl bromide	106		7.074					
17 Trichlorofluoromethane	101		7.192					
19 Ethanol	45	7.844	7.796	0.048	97	6969	0.9256	M
22 1,1,2-Trichloro-1,2,2-trifluoro	101		8.444					
23 1,1-Dichloroethene	96		8.513					
24 Acetone	43	8.770	8.791	-0.021	63	9287	0.2508	M
26 Carbon disulfide	76	9.011	9.000	0.011	84	4348	0.0517	M
27 Isopropyl alcohol	45	9.080	9.032	0.048	44	3662	0.1394	M
28 3-Chloro-1-propene	41		9.406					
30 Methylene Chloride	49	9.744	9.738	0.006	40	1457	0.0664	M
31 2-Methyl-2-propanol	59		9.904					
S 38 1,2-Dichloroethene, Total	61		10.000					
32 Methyl tert-butyl ether	73		10.166					
33 trans-1,2-Dichloroethene	61		10.230					
35 Hexane	57		10.653					
36 1,1-Dichloroethane	63		11.204					
37 Vinyl acetate	43		11.241					
39 cis-1,2-Dichloroethene	96		12.376					
40 2-Butanone (MEK)	72		12.392					
41 Ethyl acetate	88		12.418					
* 42 Chlorobromomethane	128	12.857	12.857	0.0	69	265675	10.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
43 Tetrahydrofuran	42		12.857					
44 Chloroform	83		12.969					
45 Cyclohexane	84		13.269					
46 1,1,1-Trichloroethane	97		13.280					
48 Carbon tetrachloride	117		13.536					
49 Isooctane	57		13.932					
50 Benzene	78		13.986					
51 1,2-Dichloroethane	62		14.146					
52 n-Heptane	43		14.280					
* 53 1,4-Difluorobenzene	114	14.751	14.745	0.006	92	1287691	10.0	
55 Trichloroethene	95		15.211					
S 63 Xylenes, Total	106		15.600					
56 1,2-Dichloropropane	63		15.735					
57 Methyl methacrylate	69		15.821					
58 1,4-Dioxane	88		15.906					
59 Dibromomethane	174		15.981					
60 Dichlorobromomethane	83		16.222					
64 cis-1,3-Dichloropropene	75		17.089					
65 4-Methyl-2-pentanone (MIBK)	43		17.324					
66 Toluene	92		17.666					
68 trans-1,3-Dichloropropene	75		18.196					
69 1,1,2-Trichloroethane	83		18.560					
70 Tetrachloroethene	166		18.704					
71 2-Hexanone	43		18.956					
72 Chlorodibromomethane	129		19.319					
73 Ethylene Dibromide	107		19.603					
* 75 Chlorobenzene-d5	117	20.448	20.448	0.0	83	1105422	10.0	
76 Chlorobenzene	112		20.507					
77 Ethylbenzene	91		20.619					
79 m-Xylene & p-Xylene	106		20.839					
80 o-Xylene	106		21.550					
81 Styrene	104		21.588					
82 Bromoform	173		21.962					
83 Isopropylbenzene	105		22.117					
* 107 4-Bromofluorobenzene	95	22.449	22.449	0.0	0	712369	10.0	
85 1,1,2,2-Tetrachloroethane	83		22.674					
86 N-Propylbenzene	91		22.749					
84 4-Ethyltoluene	105		22.914					
89 2-Chlorotoluene	91		22.947					
90 1,3,5-Trimethylbenzene	105		23.011					
92 tert-Butylbenzene	119		23.487					
93 1,2,4-Trimethylbenzene	105		23.578					
94 sec-Butylbenzene	105		23.813					
95 4-Isopropyltoluene	119		24.017					
96 1,3-Dichlorobenzene	146		24.086					
97 1,4-Dichlorobenzene	146		24.231					
98 Benzyl chloride	91		24.439					
100 n-Butylbenzene	91		24.658					
101 1,2-Dichlorobenzene	146		24.840					
103 1,2,4-Trichlorobenzene	180		27.735					
104 Hexachlorobutadiene	225		27.938					
105 Naphthalene	128		28.328					

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
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110 BFB

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 07-Jan-2014 12:21:53

Chrom Revision: 2.1 06-Dec-2013 12:55:10

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140106-5630.b\warp20.d

Injection Date: 07-Jan-2014 07:24:30

Instrument ID: CHW.i

Operator ID: wrd

Lims ID: 200-20208-A-12

Lab Sample ID: 200-20208-12

Worklist Smp#: 20

Client ID: 2905

Purge Vol: 200.000 mL

Dil. Factor: 0.2000

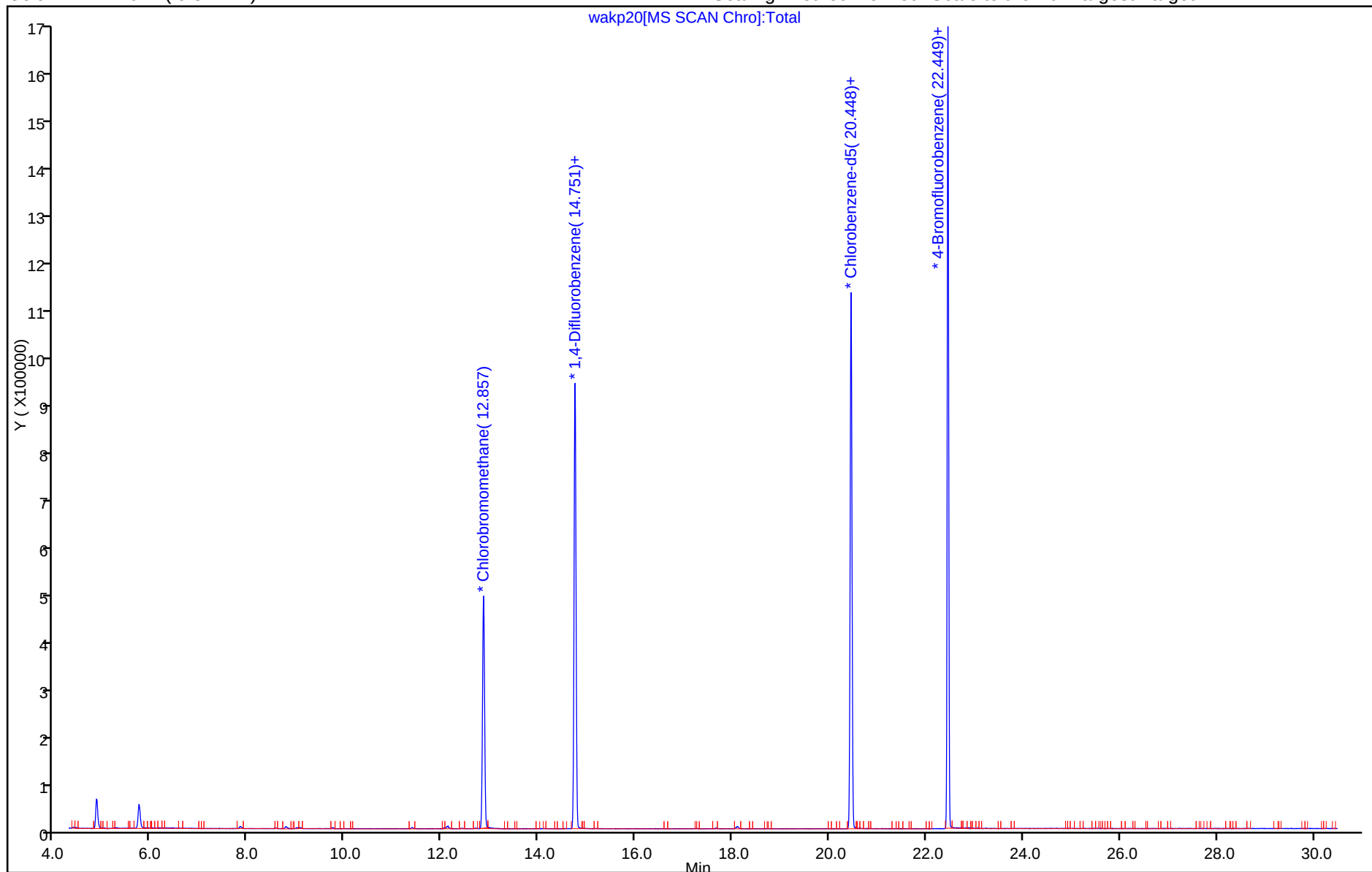
ALS Bottle#: 3

Method: TO15v5_W

Limit Group: AI_TO15_Limits

Column: RTX-624 (0.32 mm)

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



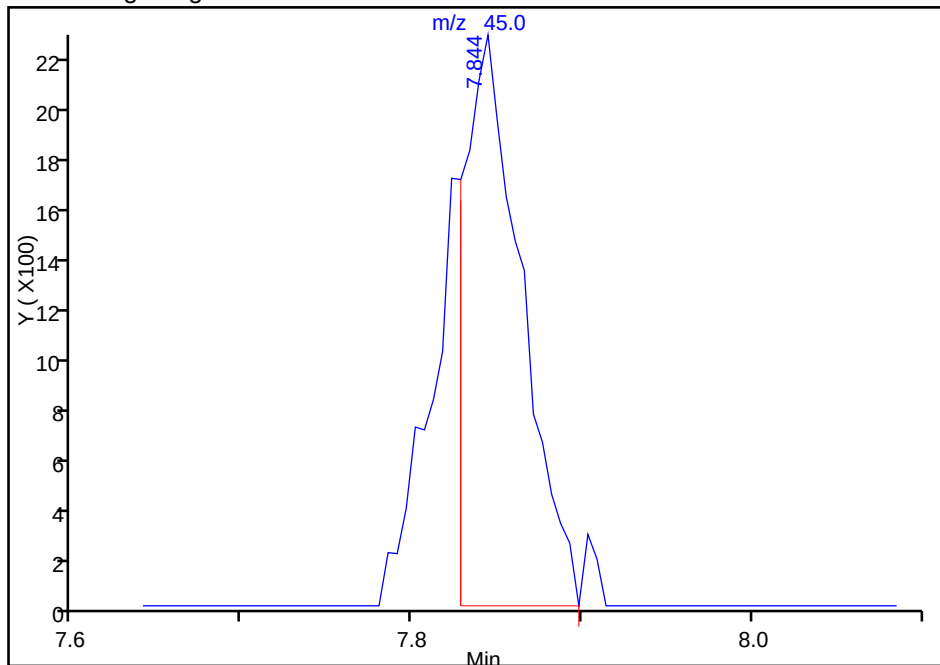
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140106-5630.b\wakp20.d		
Injection Date:	07-Jan-2014 07:24:30	Instrument ID:	CHW.i
Lims ID:	200-20208-A-12	Lab Sample ID:	200-20208-12
Client ID:	2905		
Operator ID:	wrd	ALS Bottle#:	3
Purge Vol:	200.000 mL	Dil. Factor:	0.2000
Method:	TO15v5_W	Limit Group:	AI_TO15_Limits
Column:	RTX-624 (0.32 mm)	Detector:	MS SCAN
		Worklist Smp#:	20

19 Ethanol, CAS: 64-17-5

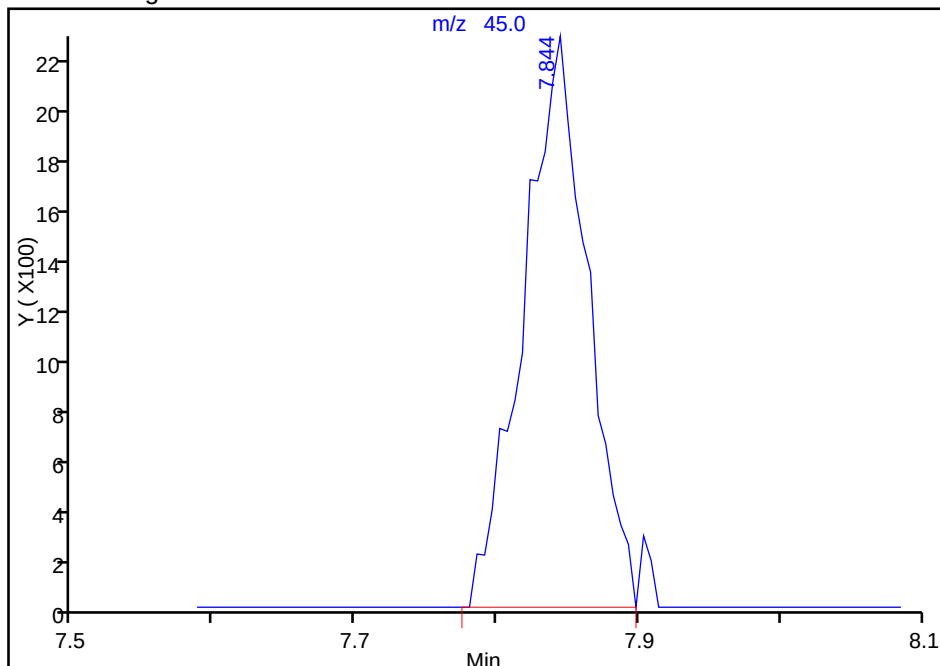
RT: 7.84
Response: 5180
Amount: 0.687990

Processing Integration Results



RT: 7.84
Response: 6969
Amount: 0.925599

Manual Integration Results



Reviewer: lyonsb, 07-Jan-2014 11:24:26
Audit Action: Manually Integrated
Audit Reason: Baseline Event

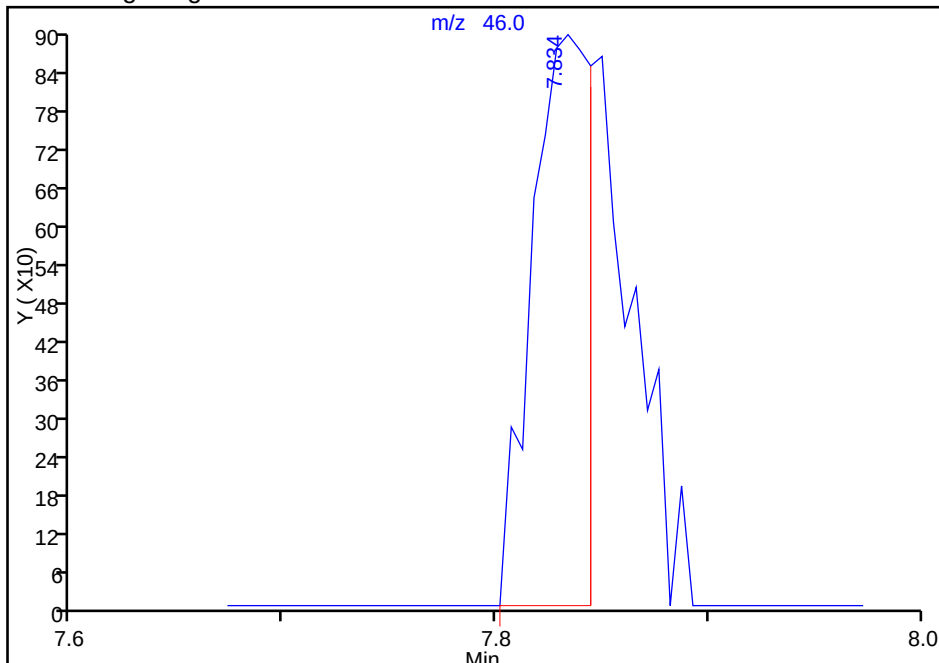
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140106-5630.b\wakeup20.d		
Injection Date:	07-Jan-2014 07:24:30	Instrument ID:	CHW.i
Lims ID:	200-20208-A-12	Lab Sample ID:	200-20208-12
Client ID:	2905		
Operator ID:	wrd	ALS Bottle#:	3
Purge Vol:	200.000 mL	Dil. Factor:	0.2000
Method:	TO15v5_W	Limit Group:	AI_TO15_Limits
Column:	RTX-624 (0.32 mm)	Detector:	MS SCAN
		Worklist Smp#:	20

19 Ethanol, CAS: 64-17-5

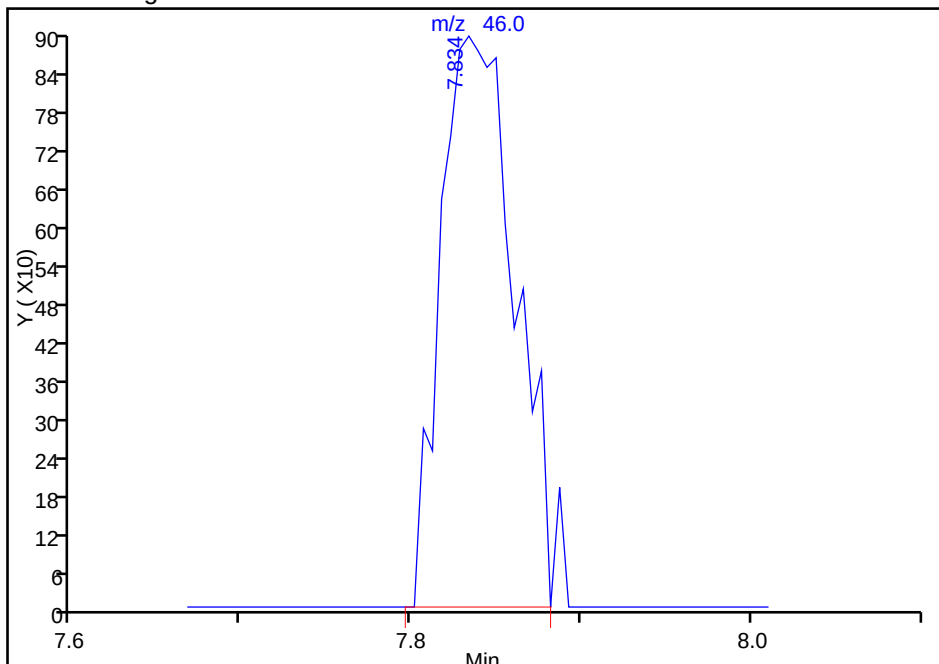
RT: 7.83
Response: 1724
Amount: 0.687990

Processing Integration Results



RT: 7.83
Response: 2707
Amount: 0.925599

Manual Integration Results



Reviewer: lyonsb, 07-Jan-2014 11:24:26
Audit Action: Manually Integrated
Audit Reason: Baseline Event

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140106-5630.b\wakp20.d

Injection Date: 07-Jan-2014 07:24:30

Instrument ID: CHW.i

Lims ID: 200-20208-A-12

Lab Sample ID: 200-20208-12

Client ID: 2905

Operator ID: wrd

ALS Bottle#: 3

Worklist Smp#: 20

Purge Vol: 200.000 mL

Dil. Factor: 0.2000

Method: TO15v5_W

Limit Group: AI_TO15_Limits

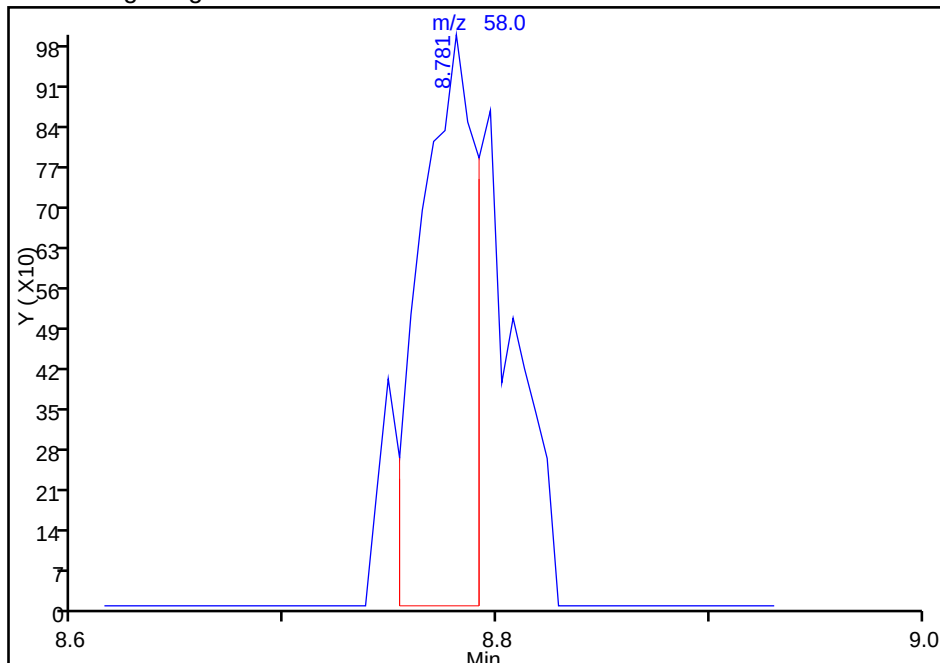
Column: RTX-624 (0.32 mm)

Detector: MS SCAN

24 Acetone, CAS: 67-64-1

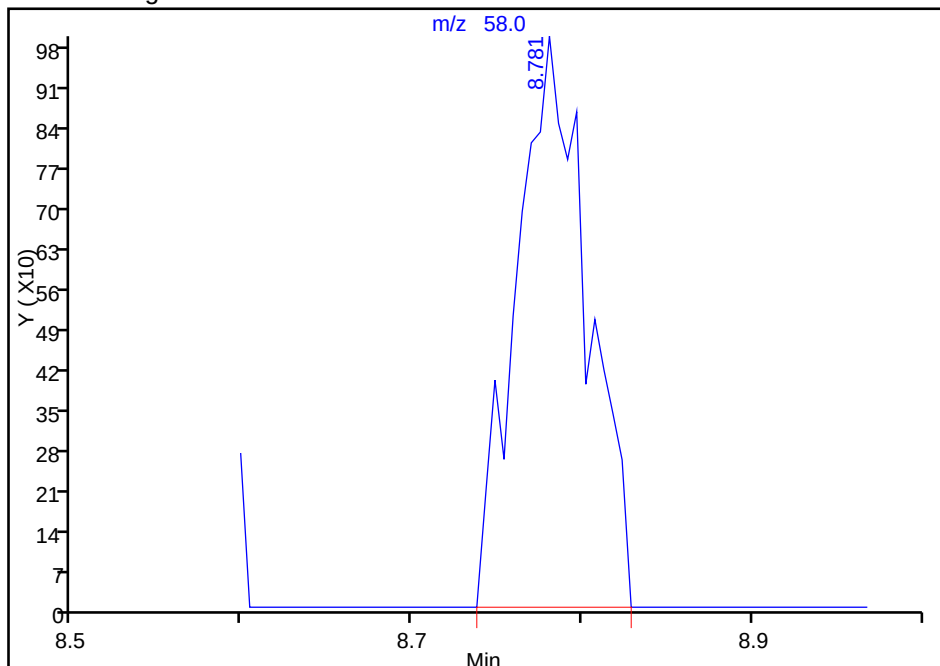
RT: 8.78
Response: 1835
Amount: 0.238154

Processing Integration Results



RT: 8.78
Response: 2913
Amount: 0.250792

Manual Integration Results



Reviewer: lyonsb, 07-Jan-2014 11:24:26

Audit Action: Manually Integrated

Audit Reason: Baseline Event

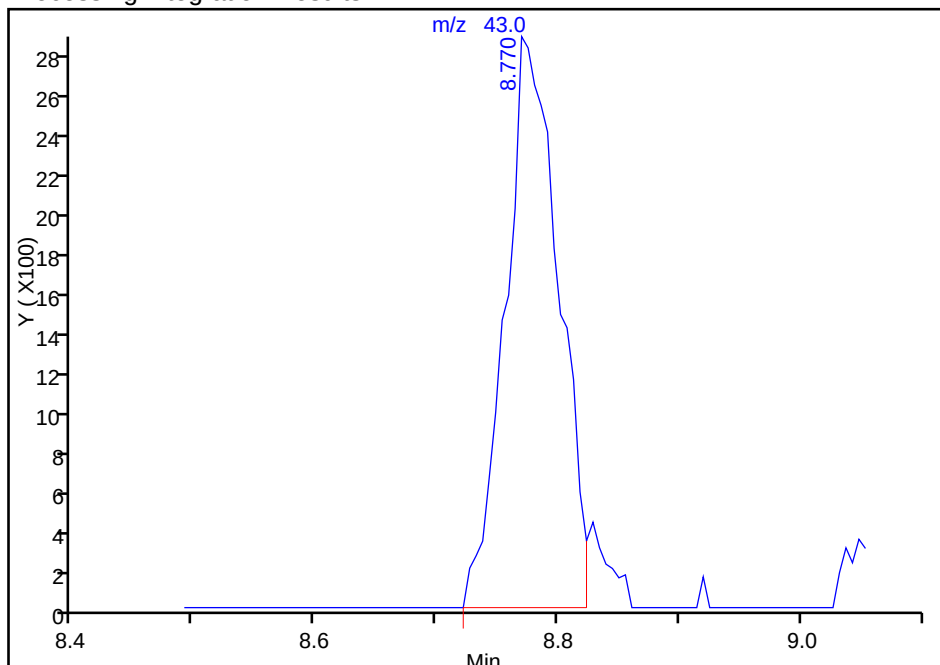
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140106-5630.b\wakeup20.d		
Injection Date:	07-Jan-2014 07:24:30	Instrument ID:	CHW.i
Lims ID:	200-20208-A-12	Lab Sample ID:	200-20208-12
Client ID:	2905		
Operator ID:	wrd	ALS Bottle#:	3
Purge Vol:	200.000 mL	Dil. Factor:	0.2000
Method:	TO15v5_W	Limit Group:	AI_TO15_Limits
Column:	RTX-624 (0.32 mm)	Detector:	MS SCAN
		Worklist Smp#:	20

24 Acetone, CAS: 67-64-1

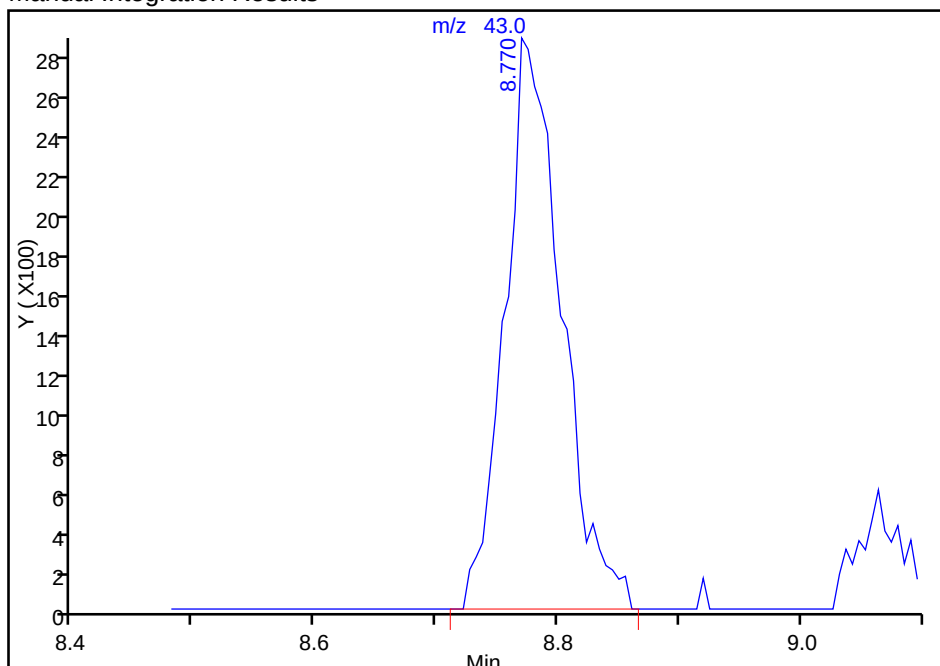
RT: 8.77
Response: 8819
Amount: 0.238154

Processing Integration Results



RT: 8.77
Response: 9287
Amount: 0.250792

Manual Integration Results



Reviewer: lyonsb, 07-Jan-2014 11:24:26
Audit Action: Manually Integrated
Audit Reason: Baseline Event

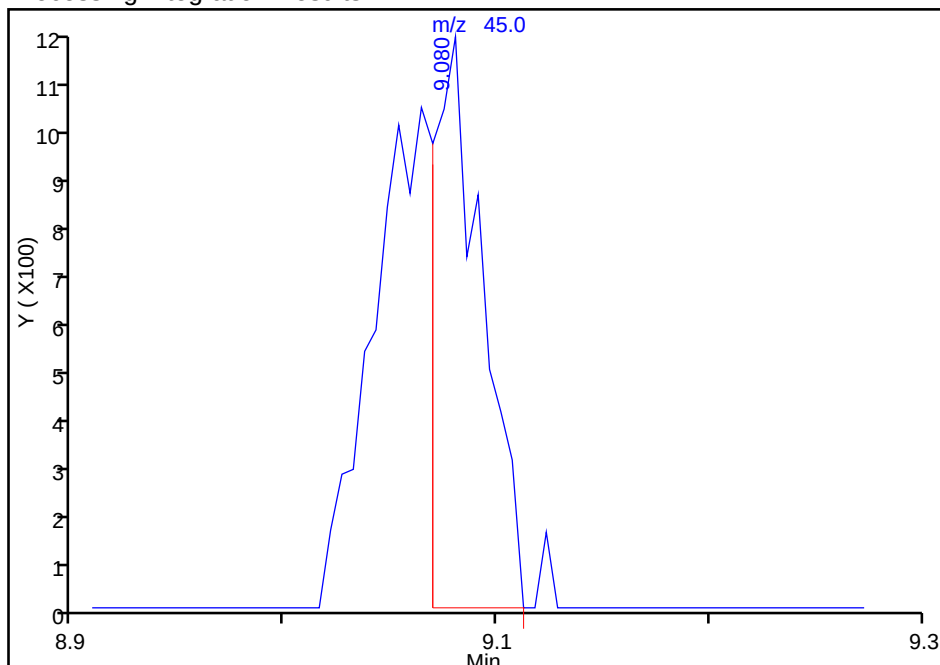
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140106-5630.b\wakp20.d		
Injection Date:	07-Jan-2014 07:24:30	Instrument ID:	CHW.i
Lims ID:	200-20208-A-12	Lab Sample ID:	200-20208-12
Client ID:	2905		
Operator ID:	wrd	ALS Bottle#:	3
Purge Vol:	200.000 mL	Dil. Factor:	0.2000
Method:	TO15v5_W	Limit Group:	AI_TO15_Limits
Column:	RTX-624 (0.32 mm)	Detector:	MS SCAN
		Worklist Smp#:	20

27 Isopropyl alcohol, CAS: 67-63-0

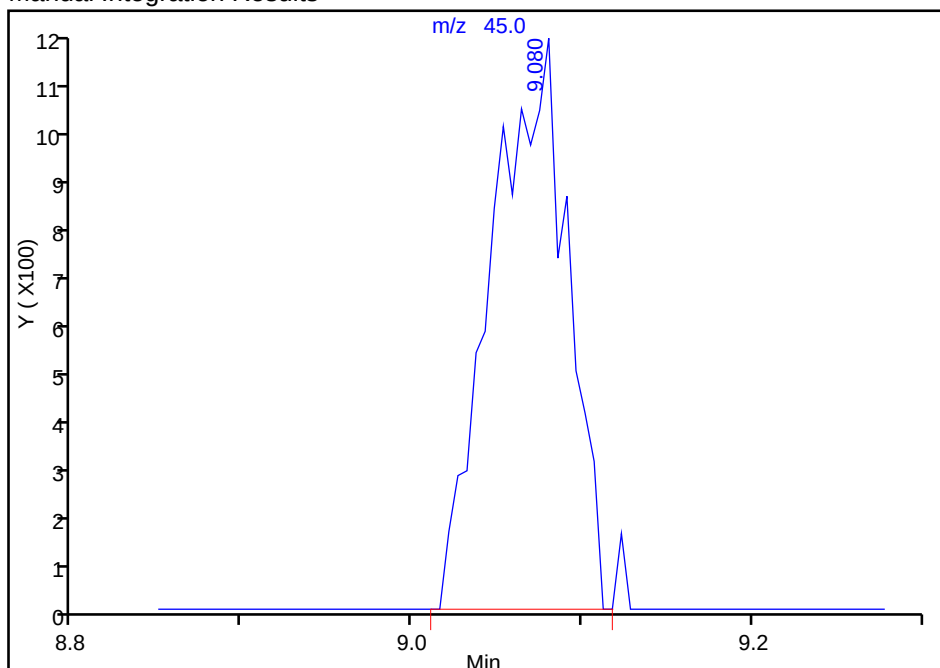
RT: 9.08
Response: 1896
Amount: 0.072170

Processing Integration Results



RT: 9.08
Response: 3662
Amount: 0.139391

Manual Integration Results



Reviewer: lyonsb, 07-Jan-2014 11:24:26
Audit Action: Manually Integrated
Audit Reason: Baseline Event

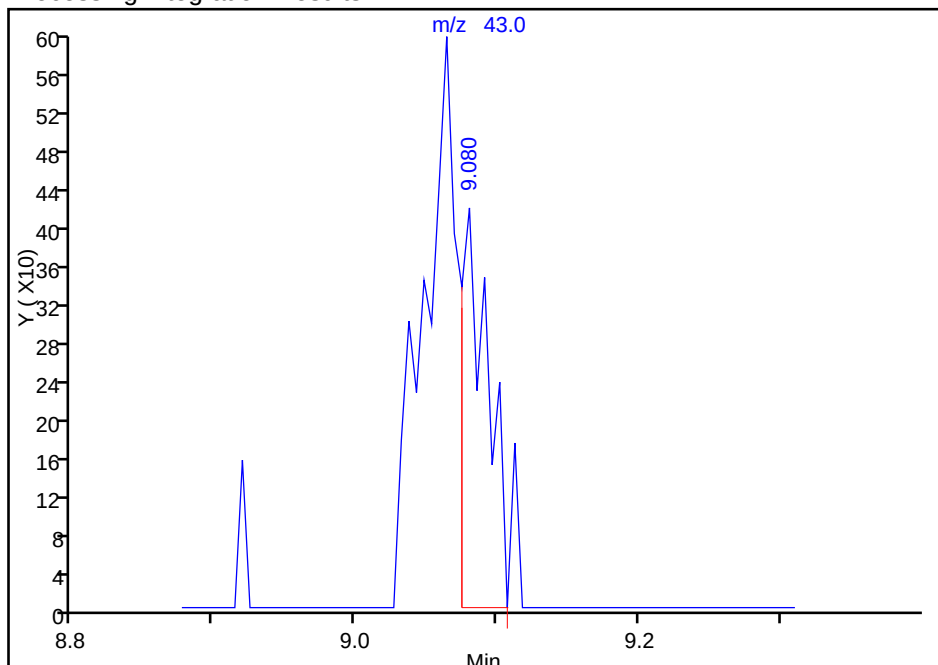
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140106-5630.b\wakup20.d		
Injection Date:	07-Jan-2014 07:24:30	Instrument ID:	CHW.i
Lims ID:	200-20208-A-12	Lab Sample ID:	200-20208-12
Client ID:	2905		
Operator ID:	wrd	ALS Bottle#:	3
Purge Vol:	200.000 mL	Dil. Factor:	0.2000
Method:	TO15v5_W	Limit Group:	AI_TO15_Limits
Column:	RTX-624 (0.32 mm)	Detector:	MS SCAN
		Worklist Smp#:	20

27 Isopropyl alcohol, CAS: 67-63-0

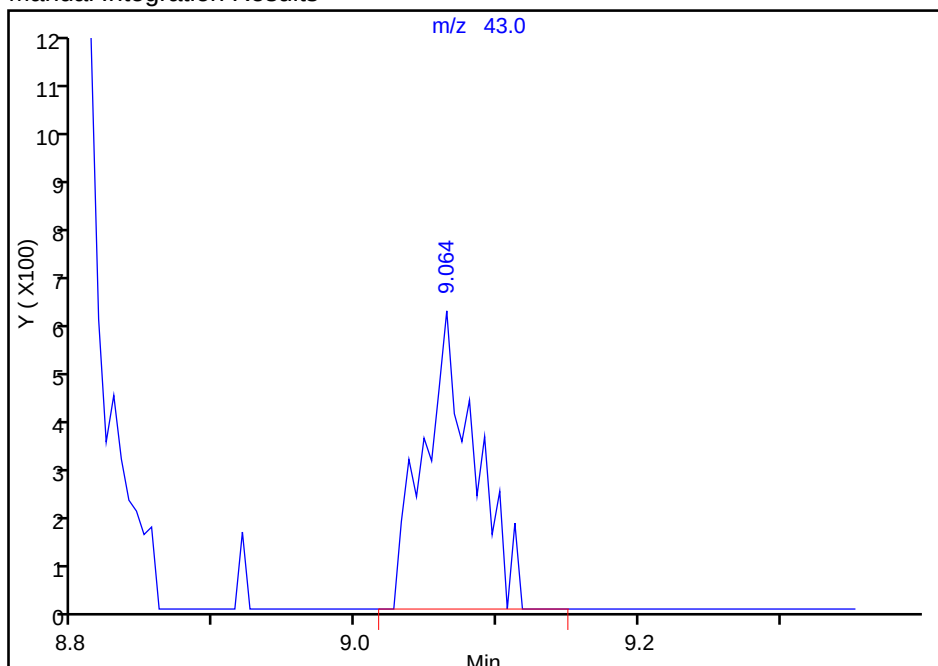
RT: 9.08
Response: 552
Amount: 0.072170

Processing Integration Results



RT: 9.06
Response: 1501
Amount: 0.139391

Manual Integration Results



Reviewer: lyonsb, 07-Jan-2014 11:24:26
Audit Action: Manually Integrated
Audit Reason: Baseline Event

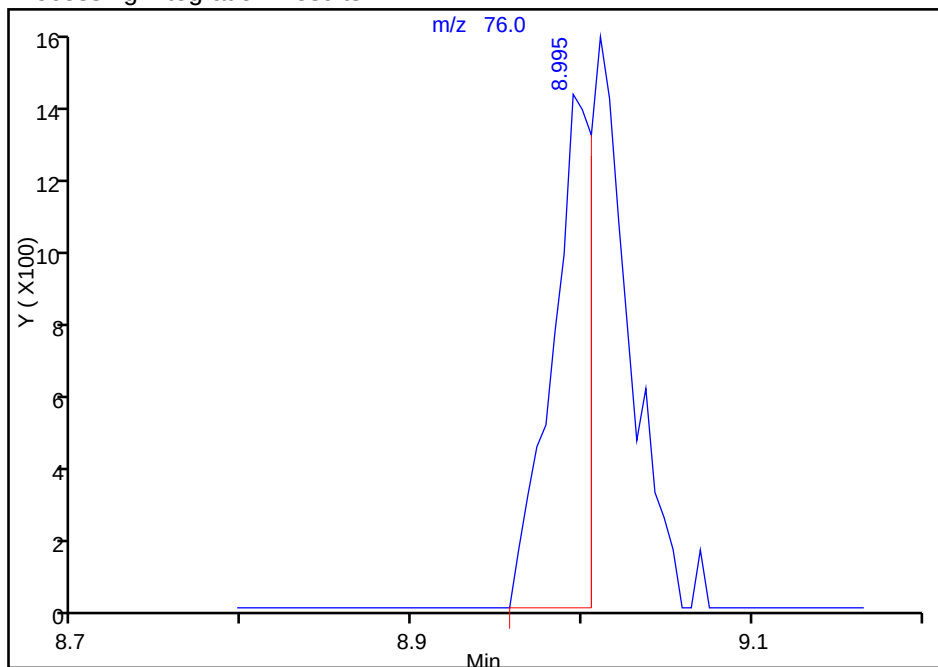
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140106-5630.b\wakp20.d		
Injection Date:	07-Jan-2014 07:24:30	Instrument ID:	CHW.i
Lims ID:	200-20208-A-12	Lab Sample ID:	200-20208-12
Client ID:	2905		
Operator ID:	wrd	ALS Bottle#:	3
Purge Vol:	200.000 mL	Dil. Factor:	0.2000
Method:	TO15v5_W	Limit Group:	AI_TO15_Limits
Column:	RTX-624 (0.32 mm)	Detector:	MS SCAN
		Worklist Smp#:	20

26 Carbon disulfide, CAS: 75-15-0

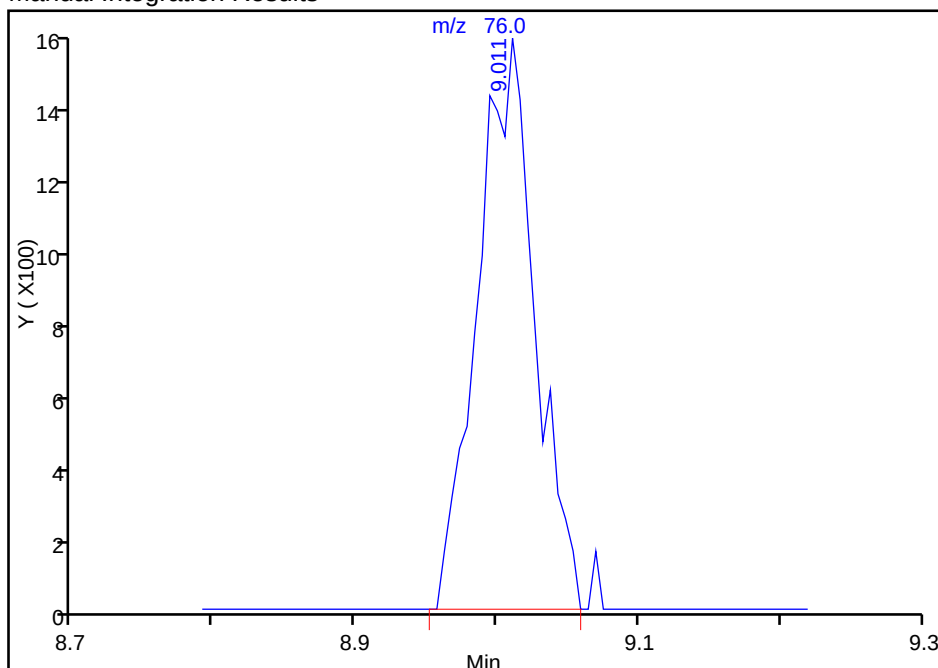
RT: 8.99
Response: 2274
Amount: 0.027033

Processing Integration Results



RT: 9.01
Response: 4348
Amount: 0.051689

Manual Integration Results



Reviewer: lyonsb, 07-Jan-2014 11:24:26
Audit Action: Manually Integrated
Audit Reason: Baseline Event

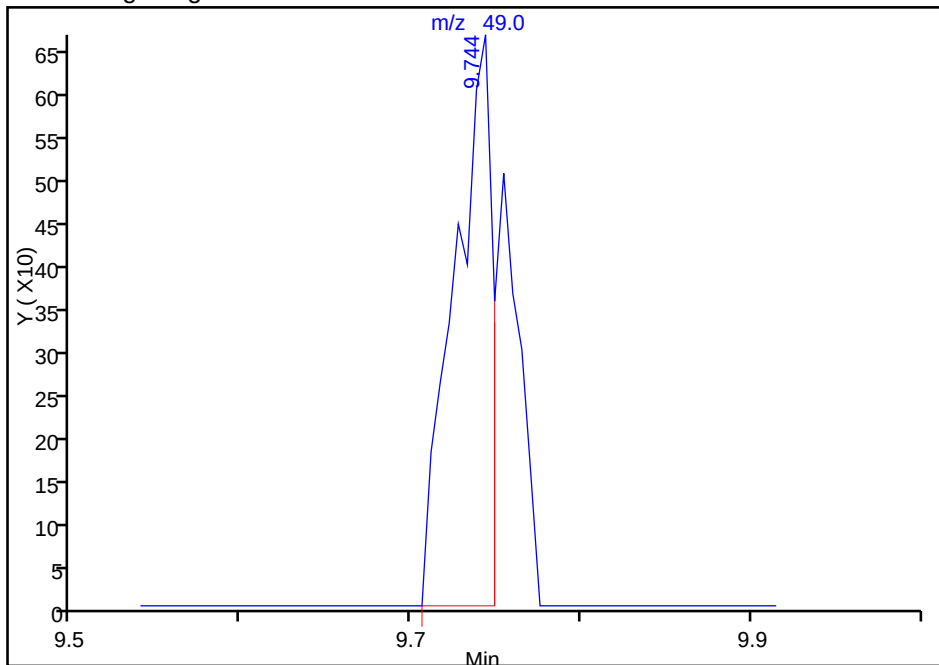
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140106-5630.b\wakp20.d		
Injection Date:	07-Jan-2014 07:24:30	Instrument ID:	CHW.i
Lims ID:	200-20208-A-12	Lab Sample ID:	200-20208-12
Client ID:	2905		
Operator ID:	wrd	ALS Bottle#:	3
Purge Vol:	200.000 mL	Dil. Factor:	0.2000
Method:	TO15v5_W	Limit Group:	AI_TO15_Limits
Column:	RTX-624 (0.32 mm)	Detector:	MS SCAN
		Worklist Smp#:	20

30 Methylene Chloride, CAS: 75-09-2

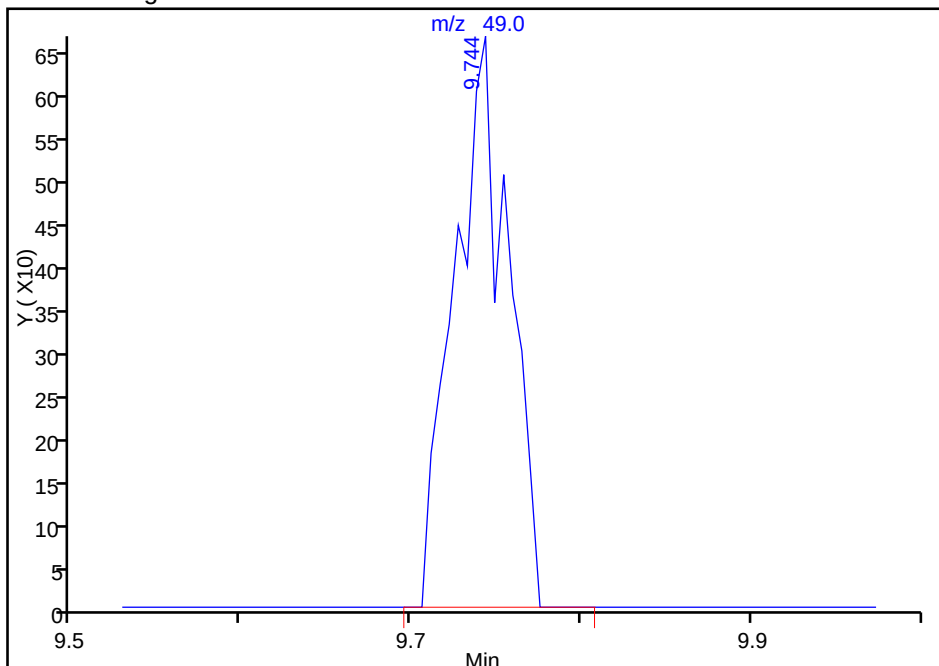
RT: 9.74
Response: 1036
Amount: 0.047249

Processing Integration Results



RT: 9.74
Response: 1457
Amount: 0.066449

Manual Integration Results



Reviewer: lyonsb, 07-Jan-2014 11:24:26
Audit Action: Manually Integrated
Audit Reason: Baseline Event

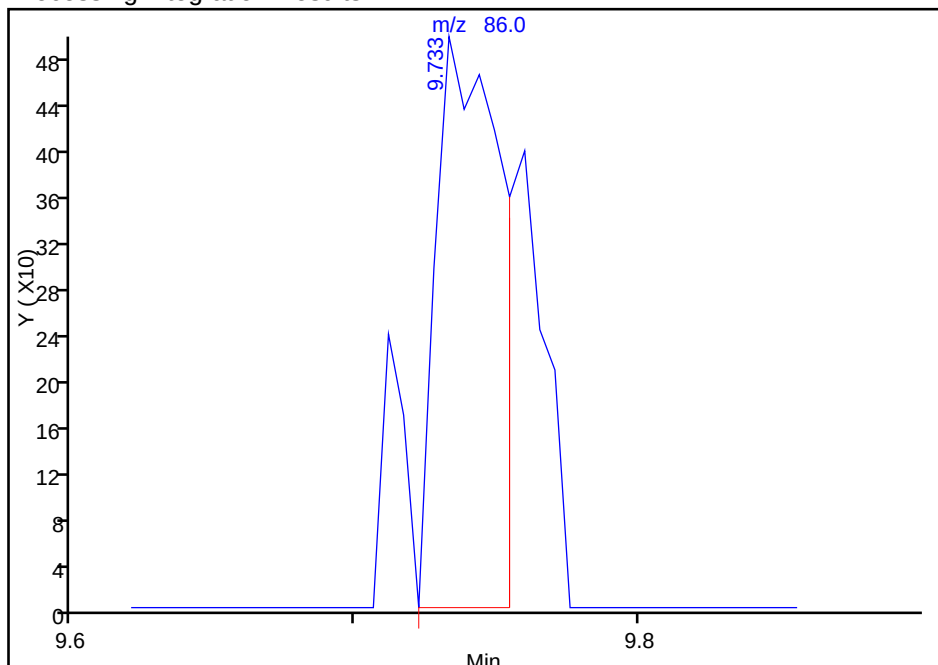
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140106-5630.b\wakp20.d				
Injection Date:	07-Jan-2014 07:24:30	Instrument ID:	CHW.i		
Lims ID:	200-20208-A-12	Lab Sample ID:	200-20208-12		
Client ID:	2905				
Operator ID:	wrd	ALS Bottle#:	3	Worklist Smp#:	20
Purge Vol:	200.000 mL	Dil. Factor:	0.2000		
Method:	TO15v5_W	Limit Group:	AI_TO15_Limits		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

30 Methylene Chloride, CAS: 75-09-2

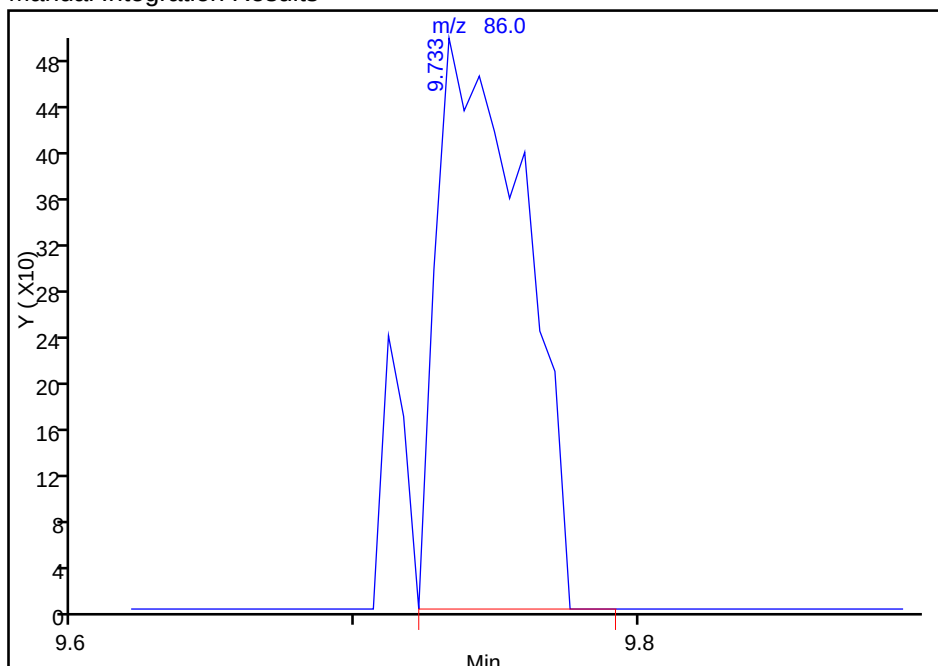
RT: 9.73
Response: 787
Amount: 0.047249

Processing Integration Results



RT: 9.73
Response: 1058
Amount: 0.066449

Manual Integration Results



Reviewer: lyonsb, 07-Jan-2014 11:24:26
Audit Action: Manually Integrated
Audit Reason: Baseline Event

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

Lab Name: TestAmerica Burlington Job No.: 200-20209-1
 SDG No.: _____
 Client Sample ID: 5080 Lab Sample ID: 200-20209-1
 Matrix: Air Lab File ID: wakq05.d
 Analysis Method: TO-15 Date Collected: 12/20/2013 00:00
 Sample wt/vol: 1000 (mL) Date Analyzed: 01/07/2014 15:23
 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.: 66889 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.: 200-20209-1
 SDG No.: _____
 Client Sample ID: 5080 Lab Sample ID: 200-20209-1
 Matrix: Air Lab File ID: wakq05.d
 Analysis Method: TO-15 Date Collected: 12/20/2013 00:00
 Sample wt/vol: 1000 (mL) Date Analyzed: 01/07/2014 15:23
 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.: 66889 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.: 200-20209-1
SDG No.: _____
Client Sample ID: 5080 Lab Sample ID: 200-20209-1
Matrix: Air Lab File ID: wakq05.d
Analysis Method: TO-15 Date Collected: 12/20/2013 00:00
Sample wt/vol: 1000 (mL) Date Analyzed: 01/07/2014 15:23
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.: 66889 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.040	U *	0.040	0.040
104-51-8	n-Butylbenzene	0.040	U *	0.040	0.040
95-50-1	1,2-Dichlorobenzene	0.040	U	0.040	0.040
120-82-1	1,2,4-Trichlorobenzene	0.10	U	0.10	0.10
87-68-3	Hexachlorobutadiene	0.040	U	0.040	0.040
91-20-3	Naphthalene	0.10	U *	0.10	0.10

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140107-5646.b\wakq05.d
 Lims ID: 200-20209-A-1 Lab Sample ID: 200-20209-1
 Client ID: 5080
 Sample Type: Client
 Inject. Date: 07-Jan-2014 15:23:30 ALS Bottle#: 4 Worklist Smp#: 5
 Purge Vol: 200.000 mL Dil. Factor: 0.2000
 Sample Info: 200-0005646-005
 Misc. Info.: 200-20209-A-1
 Operator ID: wrd Instrument ID: CHW.i
 Method: \\BTV-LIMS1\ChromData\CHW.i\20140107-5646.b\TO15v5_W.m
 Limit Group: AI_TO15_Limits
 Last Update: 08-Jan-2014 09:22:25 Calib Date: 12-Dec-2013 23:57:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20131212-5428.b\wak011.d
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: XAWRK022

First Level Reviewer: lyonsb

Date: 08-Jan-2014 09:22:25

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
1 Propene	41		4.378					
6 Dichlorodifluoromethane	85		4.469					
7 Chlorodifluoromethane	51		4.533					
8 1,2-Dichloro-1,1,2,2-tetrafluoro	85		4.822					
9 Chloromethane	50		5.020					
10 Butane	43		5.277					
11 Vinyl chloride	62		5.335					
12 Butadiene	54		5.437					
13 Bromomethane	94		6.304					
14 Chloroethane	64		6.598					
16 Vinyl bromide	106		7.074					
17 Trichlorofluoromethane	101		7.192					
19 Ethanol	45		7.802					
22 1,1,2-Trichloro-1,2,2-trifluoroe	101		8.444					
23 1,1-Dichloroethene	96		8.513					
24 Acetone	43	8.764	8.754	0.010	76	24862	0.5954	
26 Carbon disulfide	76		9.000					
27 Isopropyl alcohol	45		9.032					
28 3-Chloro-1-propene	41		9.407					
30 Methylene Chloride	49		9.733					
31 2-Methyl-2-propanol	59		9.904					
S 38 1,2-Dichloroethene, Total	61		10.000					
32 Methyl tert-butyl ether	73		10.166					
33 trans-1,2-Dichloroethene	61		10.236					
35 Hexane	57		10.653					
36 1,1-Dichloroethane	63		11.199					
37 Vinyl acetate	43		11.242					
39 cis-1,2-Dichloroethene	96		12.376					
40 2-Butanone (MEK)	72		12.392					
41 Ethyl acetate	88		12.418					
* 42 Chlorobromomethane	128	12.852	12.857	-0.005	69	299597	10.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
43 Tetrahydrofuran	42		12.857					
44 Chloroform	83		12.969					
45 Cyclohexane	84		13.269					
46 1,1,1-Trichloroethane	97		13.280					
48 Carbon tetrachloride	117		13.537					
49 Isooctane	57		13.932					
50 Benzene	78		13.986					
51 1,2-Dichloroethane	62		14.146					
52 n-Heptane	43		14.280					
* 53 1,4-Difluorobenzene	114	14.745	14.746	-0.001	92	1437625	10.0	
55 Trichloroethene	95		15.211					
S 63 Xylenes, Total	106		15.600					
56 1,2-Dichloropropane	63		15.735					
57 Methyl methacrylate	69		15.821					
58 1,4-Dioxane	88		15.906					
59 Dibromomethane	174		15.976					
60 Dichlorobromomethane	83		16.222					
64 cis-1,3-Dichloropropene	75		17.089					
65 4-Methyl-2-pentanone (MIBK)	43		17.324					
66 Toluene	92		17.667					
68 trans-1,3-Dichloropropene	75		18.196					
69 1,1,2-Trichloroethane	83		18.560					
70 Tetrachloroethene	166		18.699					
71 2-Hexanone	43		18.950					
72 Chlorodibromomethane	129		19.320					
73 Ethylene Dibromide	107		19.603					
* 75 Chlorobenzene-d5	117	20.448	20.448	0.0	83	1246438	10.0	
76 Chlorobenzene	112		20.507					
77 Ethylbenzene	91		20.620					
79 m-Xylene & p-Xylene	106		20.839					
80 o-Xylene	106		21.550					
81 Styrene	104		21.588					
82 Bromoform	173		21.962					
83 Isopropylbenzene	105		22.112					
* 107 4-Bromofluorobenzene	95	22.449	22.449	0.0	0	804116	10.0	
85 1,1,2,2-Tetrachloroethane	83		22.674					
86 N-Propylbenzene	91		22.749					
84 4-Ethyltoluene	105		22.915					
89 2-Chlorotoluene	91		22.947					
90 1,3,5-Trimethylbenzene	105		23.006					
92 tert-Butylbenzene	119		23.482					
93 1,2,4-Trimethylbenzene	105		23.578					
94 sec-Butylbenzene	105		23.813					
95 4-Isopropyltoluene	119		24.017					
96 1,3-Dichlorobenzene	146		24.086					
97 1,4-Dichlorobenzene	146		24.231					
98 Benzyl chloride	91		24.439					
100 n-Butylbenzene	91		24.659					
101 1,2-Dichlorobenzene	146		24.835					
103 1,2,4-Trichlorobenzene	180		27.735					
104 Hexachlorobutadiene	225		27.938					
105 Naphthalene	128		28.323					

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
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110 BFB

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140107-5646.b\wakq05.d

Injection Date: 07-Jan-2014 15:23:30

Instrument ID: CHW.i

Operator ID: wrd

Lims ID: 200-20209-A-1

Lab Sample ID: 200-20209-1

Worklist Smp#: 5

Client ID: 5080

Purge Vol: 200.000 mL

Dil. Factor: 0.2000

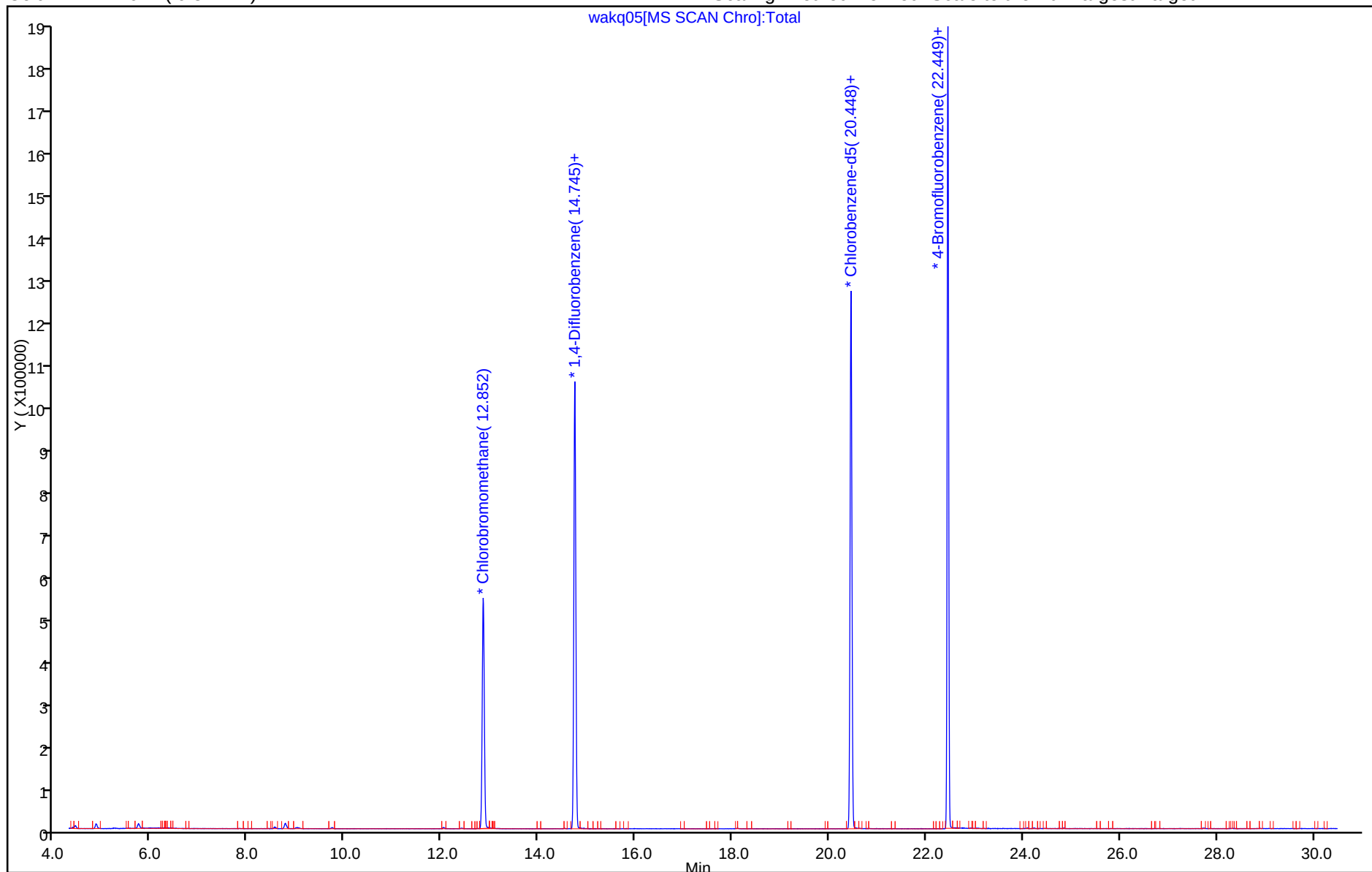
ALS Bottle#: 4

Method: TO15v5_W

Limit Group: AI_TO15_Limits

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.: 200-20209-1
 SDG No.: _____
 Client Sample ID: 3412 Lab Sample ID: 200-20209-2
 Matrix: Air Lab File ID: wakq06.d
 Analysis Method: TO-15 Date Collected: 12/20/2013 00:00
 Sample wt/vol: 1000 (mL) Date Analyzed: 01/07/2014 16:30
 Soil Aliquot Vol: _____ Dilution Factor: 0.2
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 66889 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.: 200-20209-1
 SDG No.: _____
 Client Sample ID: 3412 Lab Sample ID: 200-20209-2
 Matrix: Air Lab File ID: wakq06.d
 Analysis Method: TO-15 Date Collected: 12/20/2013 00:00
 Sample wt/vol: 1000 (mL) Date Analyzed: 01/07/2014 16:30
 Soil Aliquot Vol: _____ Dilution Factor: 0.2
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 66889 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.: 200-20209-1
SDG No.: _____
Client Sample ID: 3412 Lab Sample ID: 200-20209-2
Matrix: Air Lab File ID: wakq06.d
Analysis Method: TO-15 Date Collected: 12/20/2013 00:00
Sample wt/vol: 1000 (mL) Date Analyzed: 01/07/2014 16:30
Soil Aliquot Vol: _____ Dilution Factor: 0.2
Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 66889 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.040	U *	0.040	0.040
104-51-8	n-Butylbenzene	0.040	U *	0.040	0.040
95-50-1	1,2-Dichlorobenzene	0.040	U	0.040	0.040
120-82-1	1,2,4-Trichlorobenzene	0.10	U	0.10	0.10
87-68-3	Hexachlorobutadiene	0.040	U	0.040	0.040
91-20-3	Naphthalene	0.10	U *	0.10	0.10

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140107-5646.b\wakq06.d
 Lims ID: 200-20209-A-2 Lab Sample ID: 200-20209-2
 Client ID: 3412
 Sample Type: Client
 Inject. Date: 07-Jan-2014 16:30:30 ALS Bottle#: 5 Worklist Smp#: 6
 Purge Vol: 200.000 mL Dil. Factor: 0.2000
 Sample Info: 200-0005646-006
 Misc. Info.: 200-20209-A-2
 Operator ID: wrd Instrument ID: CHW.i
 Method: \\BTV-LIMS1\ChromData\CHW.i\20140107-5646.b\TO15v5_W.m
 Limit Group: AI_TO15_Limits
 Last Update: 08-Jan-2014 09:22:25 Calib Date: 12-Dec-2013 23:57:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20131212-5428.b\wak011.d
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: XAWRK022

First Level Reviewer: lyonsb

Date: 08-Jan-2014 09:04:54

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
1 Propene	41		4.378					
6 Dichlorodifluoromethane	85		4.469					
7 Chlorodifluoromethane	51		4.533					
8 1,2-Dichloro-1,1,2,2-tetrafluoro	85		4.822					
9 Chloromethane	50		5.020					
10 Butane	43		5.277					
11 Vinyl chloride	62		5.335					
12 Butadiene	54		5.437					
13 Bromomethane	94		6.304					
14 Chloroethane	64		6.598					
16 Vinyl bromide	106		7.074					
17 Trichlorofluoromethane	101		7.192					
19 Ethanol	45		7.802					
22 1,1,2-Trichloro-1,2,2-trifluoroe	101		8.444					
23 1,1-Dichloroethene	96		8.513					
24 Acetone	43	8.770	8.754	0.016	61	8543	0.2064	
26 Carbon disulfide	76		9.000					
27 Isopropyl alcohol	45		9.032					M
28 3-Chloro-1-propene	41		9.407					
30 Methylene Chloride	49		9.733					
31 2-Methyl-2-propanol	59		9.904					
S 38 1,2-Dichloroethene, Total	61		10.000					
32 Methyl tert-butyl ether	73		10.166					
33 trans-1,2-Dichloroethene	61		10.236					
35 Hexane	57		10.653					
36 1,1-Dichloroethane	63		11.199					
37 Vinyl acetate	43		11.242					
39 cis-1,2-Dichloroethene	96		12.376					
40 2-Butanone (MEK)	72		12.392					
41 Ethyl acetate	88		12.418					
* 42 Chlorobromomethane	128	12.857	12.857	0.0	68	297007	10.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
43 Tetrahydrofuran	42		12.857					
44 Chloroform	83		12.969					
45 Cyclohexane	84		13.269					
46 1,1,1-Trichloroethane	97		13.280					
48 Carbon tetrachloride	117		13.537					
49 Isooctane	57		13.932					
50 Benzene	78		13.986					
51 1,2-Dichloroethane	62		14.146					
52 n-Heptane	43		14.280					
* 53 1,4-Difluorobenzene	114	14.745	14.746	-0.001	92	1438700	10.0	
55 Trichloroethene	95		15.211					
S 63 Xylenes, Total	106		15.600					
56 1,2-Dichloropropane	63		15.735					
57 Methyl methacrylate	69		15.821					
58 1,4-Dioxane	88		15.906					
59 Dibromomethane	174		15.976					
60 Dichlorobromomethane	83		16.222					
64 cis-1,3-Dichloropropene	75		17.089					
65 4-Methyl-2-pentanone (MIBK)	43		17.324					
66 Toluene	92		17.667					
68 trans-1,3-Dichloropropene	75		18.196					
69 1,1,2-Trichloroethane	83		18.560					
70 Tetrachloroethene	166		18.699					
71 2-Hexanone	43		18.950					
72 Chlorodibromomethane	129		19.320					
73 Ethylene Dibromide	107		19.603					
* 75 Chlorobenzene-d5	117	20.448	20.448	0.0	83	1235783	10.0	
76 Chlorobenzene	112		20.507					
77 Ethylbenzene	91		20.620					
79 m-Xylene & p-Xylene	106		20.839					
80 o-Xylene	106		21.550					
81 Styrene	104		21.588					
82 Bromoform	173		21.962					
83 Isopropylbenzene	105		22.112					
* 107 4-Bromofluorobenzene	95	22.449	22.449	0.0	0	794429	10.0	
85 1,1,2,2-Tetrachloroethane	83		22.674					
86 N-Propylbenzene	91		22.749					
84 4-Ethyltoluene	105		22.915					
89 2-Chlorotoluene	91		22.947					
90 1,3,5-Trimethylbenzene	105		23.006					
92 tert-Butylbenzene	119		23.482					
93 1,2,4-Trimethylbenzene	105		23.578					
94 sec-Butylbenzene	105		23.813					
95 4-Isopropyltoluene	119		24.017					
96 1,3-Dichlorobenzene	146		24.086					
97 1,4-Dichlorobenzene	146		24.231					
98 Benzyl chloride	91		24.439					
100 n-Butylbenzene	91		24.659					
101 1,2-Dichlorobenzene	146		24.835					
103 1,2,4-Trichlorobenzene	180		27.735					
104 Hexachlorobutadiene	225		27.938					
105 Naphthalene	128		28.323					

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
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110 BFB

QC Flag Legend

Review Flags

M - Manually Integrated

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140107-5646.b\wakq06.d

Injection Date: 07-Jan-2014 16:30:30

Instrument ID: CHW.i

Operator ID: wrd

Lims ID: 200-20209-A-2

Lab Sample ID: 200-20209-2

Worklist Smp#: 6

Client ID: 3412

Purge Vol: 200.000 mL

Dil. Factor: 0.2000

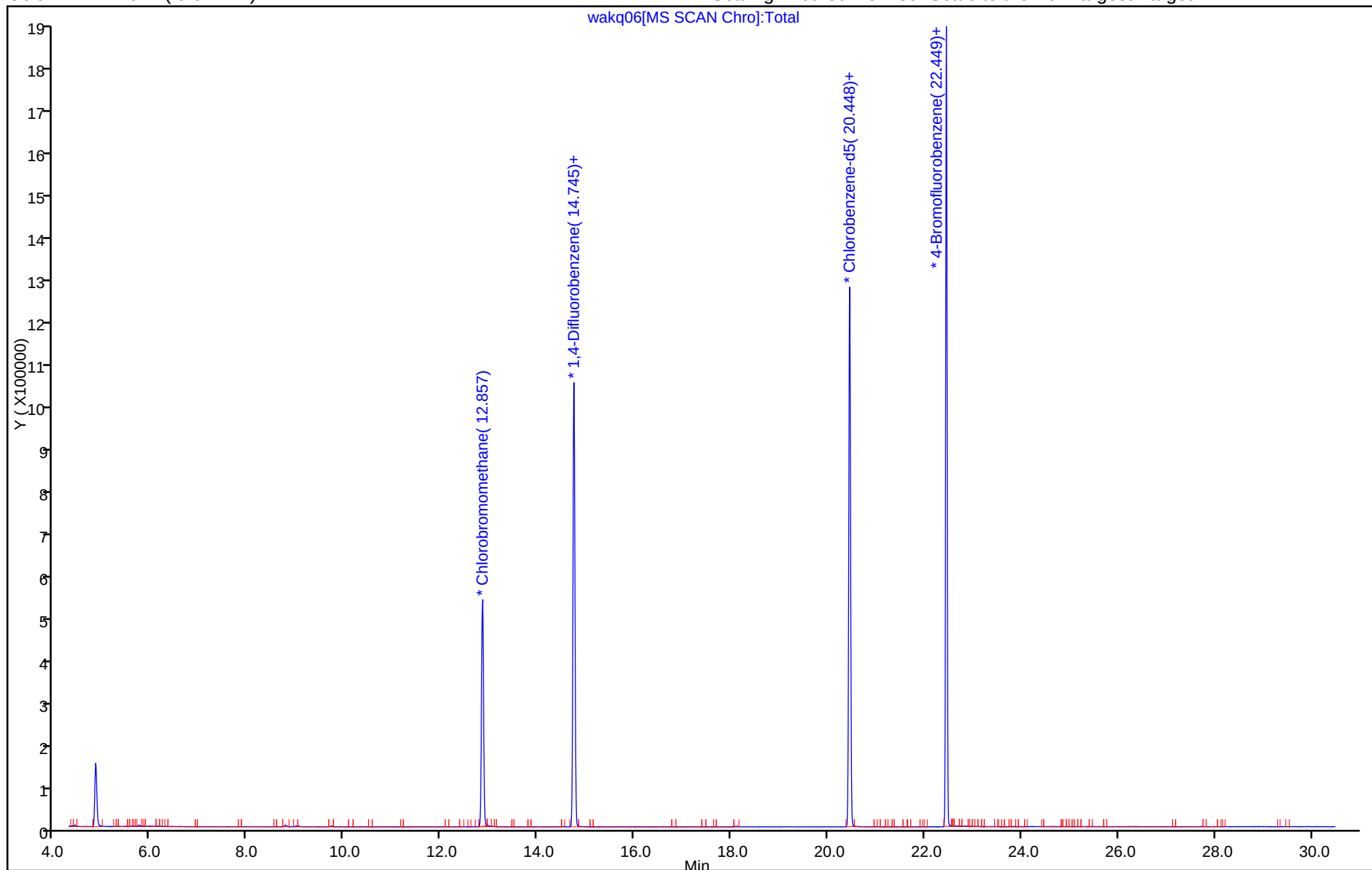
ALS Bottle#: 5

Method: TO15v5_W

Limit Group: AI_TO15_Limits

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.: 200-20209-1
 SDG No.: _____
 Client Sample ID: 2908 Lab Sample ID: 200-20209-3
 Matrix: Air Lab File ID: wakq07.d
 Analysis Method: TO-15 Date Collected: 12/20/2013 00:00
 Sample wt/vol: 1000 (mL) Date Analyzed: 01/07/2014 17:36
 Soil Aliquot Vol: _____ Dilution Factor: 0.2
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 66889 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.: 200-20209-1
 SDG No.: _____
 Client Sample ID: 2908 Lab Sample ID: 200-20209-3
 Matrix: Air Lab File ID: wakq07.d
 Analysis Method: TO-15 Date Collected: 12/20/2013 00:00
 Sample wt/vol: 1000 (mL) Date Analyzed: 01/07/2014 17:36
 Soil Aliquot Vol: _____ Dilution Factor: 0.2
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 66889 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.: 200-20209-1
 SDG No.: _____
 Client Sample ID: 2908 Lab Sample ID: 200-20209-3
 Matrix: Air Lab File ID: wakq07.d
 Analysis Method: TO-15 Date Collected: 12/20/2013 00:00
 Sample wt/vol: 1000 (mL) Date Analyzed: 01/07/2014 17:36
 Soil Aliquot Vol: _____ Dilution Factor: 0.2
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 66889 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.040	U *	0.040	0.040
104-51-8	n-Butylbenzene	0.040	U *	0.040	0.040
95-50-1	1,2-Dichlorobenzene	0.040	U	0.040	0.040
120-82-1	1,2,4-Trichlorobenzene	0.10	U	0.10	0.10
87-68-3	Hexachlorobutadiene	0.040	U	0.040	0.040
91-20-3	Naphthalene	0.10	U *	0.10	0.10

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140107-5646.b\wakq07.d
 Lims ID: 200-20209-A-3 Lab Sample ID: 200-20209-3
 Client ID: 2908
 Sample Type: Client
 Inject. Date: 07-Jan-2014 17:36:30 ALS Bottle#: 6 Worklist Smp#: 7
 Purge Vol: 200.000 mL Dil. Factor: 0.2000
 Sample Info: 200-0005646-007
 Misc. Info.: 200-20209-A-3
 Operator ID: wrd Instrument ID: CHW.i
 Method: \\BTV-LIMS1\ChromData\CHW.i\20140107-5646.b\TO15v5_W.m
 Limit Group: AI_TO15_Limits
 Last Update: 08-Jan-2014 09:18:36 Calib Date: 12-Dec-2013 23:57:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20131212-5428.b\wak011.d
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: XAWRK022

First Level Reviewer: lyonsb

Date: 08-Jan-2014 09:06:52

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
1 Propene	41		4.378					
6 Dichlorodifluoromethane	85		4.469					
7 Chlorodifluoromethane	51		4.533					
8 1,2-Dichloro-1,1,2,2-tetrafluoro	85		4.822					
9 Chloromethane	50		5.020					
10 Butane	43		5.277					
11 Vinyl chloride	62		5.335					
12 Butadiene	54		5.437					
13 Bromomethane	94		6.304					
14 Chloroethane	64		6.598					
16 Vinyl bromide	106		7.074					
17 Trichlorofluoromethane	101		7.192					
19 Ethanol	45		7.802					
22 1,1,2-Trichloro-1,2,2-trifluoro	101		8.444					
23 1,1-Dichloroethene	96		8.513					
24 Acetone	43	8.770	8.770	0.0	70	8764	0.2283	
26 Carbon disulfide	76		9.000					
27 Isopropyl alcohol	45		9.032					
28 3-Chloro-1-propene	41		9.407					
30 Methylene Chloride	49		9.733					M
31 2-Methyl-2-propanol	59		9.904					
S 38 1,2-Dichloroethene, Total	61		10.000					
32 Methyl tert-butyl ether	73		10.166					
33 trans-1,2-Dichloroethene	61		10.236					
35 Hexane	57		10.653					
36 1,1-Dichloroethane	63		11.199					
37 Vinyl acetate	43		11.242					
39 cis-1,2-Dichloroethene	96		12.376					
40 2-Butanone (MEK)	72		12.392					
41 Ethyl acetate	88		12.418					
* 42 Chlorobromomethane	128	12.852	12.852	0.0	69	275460	10.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
43 Tetrahydrofuran	42		12.857					
44 Chloroform	83		12.969					
45 Cyclohexane	84		13.269					
46 1,1,1-Trichloroethane	97		13.280					
48 Carbon tetrachloride	117		13.537					
49 Isooctane	57		13.932					
50 Benzene	78		13.986					
51 1,2-Dichloroethane	62		14.146					
52 n-Heptane	43		14.280					
* 53 1,4-Difluorobenzene	114	14.746	14.745	0.001	92	1333516	10.0	
55 Trichloroethene	95		15.211					
S 63 Xylenes, Total	106		15.600					
56 1,2-Dichloropropane	63		15.735					
57 Methyl methacrylate	69		15.821					
58 1,4-Dioxane	88		15.906					
59 Dibromomethane	174		15.976					
60 Dichlorobromomethane	83		16.222					
64 cis-1,3-Dichloropropene	75		17.089					
65 4-Methyl-2-pentanone (MIBK)	43		17.324					
66 Toluene	92		17.667					
68 trans-1,3-Dichloropropene	75		18.196					
69 1,1,2-Trichloroethane	83		18.560					
70 Tetrachloroethene	166		18.699					
71 2-Hexanone	43		18.950					
72 Chlorodibromomethane	129		19.320					
73 Ethylene Dibromide	107		19.603					
* 75 Chlorobenzene-d5	117	20.448	20.448	0.0	83	1150912	10.0	
76 Chlorobenzene	112		20.507					
77 Ethylbenzene	91		20.620					
79 m-Xylene & p-Xylene	106		20.839					
80 o-Xylene	106		21.550					
81 Styrene	104		21.588					
82 Bromoform	173		21.962					
83 Isopropylbenzene	105		22.112					
* 107 4-Bromofluorobenzene	95	22.444	22.460	-0.016	0	734428	10.0	
85 1,1,2,2-Tetrachloroethane	83		22.674					
86 N-Propylbenzene	91		22.749					
84 4-Ethyltoluene	105		22.915					
89 2-Chlorotoluene	91		22.947					
90 1,3,5-Trimethylbenzene	105		23.006					
92 tert-Butylbenzene	119		23.482					
93 1,2,4-Trimethylbenzene	105		23.578					
94 sec-Butylbenzene	105		23.813					
95 4-Isopropyltoluene	119		24.017					
96 1,3-Dichlorobenzene	146		24.086					
97 1,4-Dichlorobenzene	146		24.231					
98 Benzyl chloride	91		24.439					
100 n-Butylbenzene	91		24.659					
101 1,2-Dichlorobenzene	146		24.835					
103 1,2,4-Trichlorobenzene	180		27.735					
104 Hexachlorobutadiene	225		27.938					
105 Naphthalene	128		28.323					

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
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110 BFB

QC Flag Legend

Review Flags

M - Manually Integrated

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140107-5646.b\wakq07.d

Injection Date: 07-Jan-2014 17:36:30

Instrument ID: CHW.i

Operator ID: wrd

Lims ID: 200-20209-A-3

Lab Sample ID: 200-20209-3

Worklist Smp#: 7

Client ID: 2908

Purge Vol: 200.000 mL

Dil. Factor: 0.2000

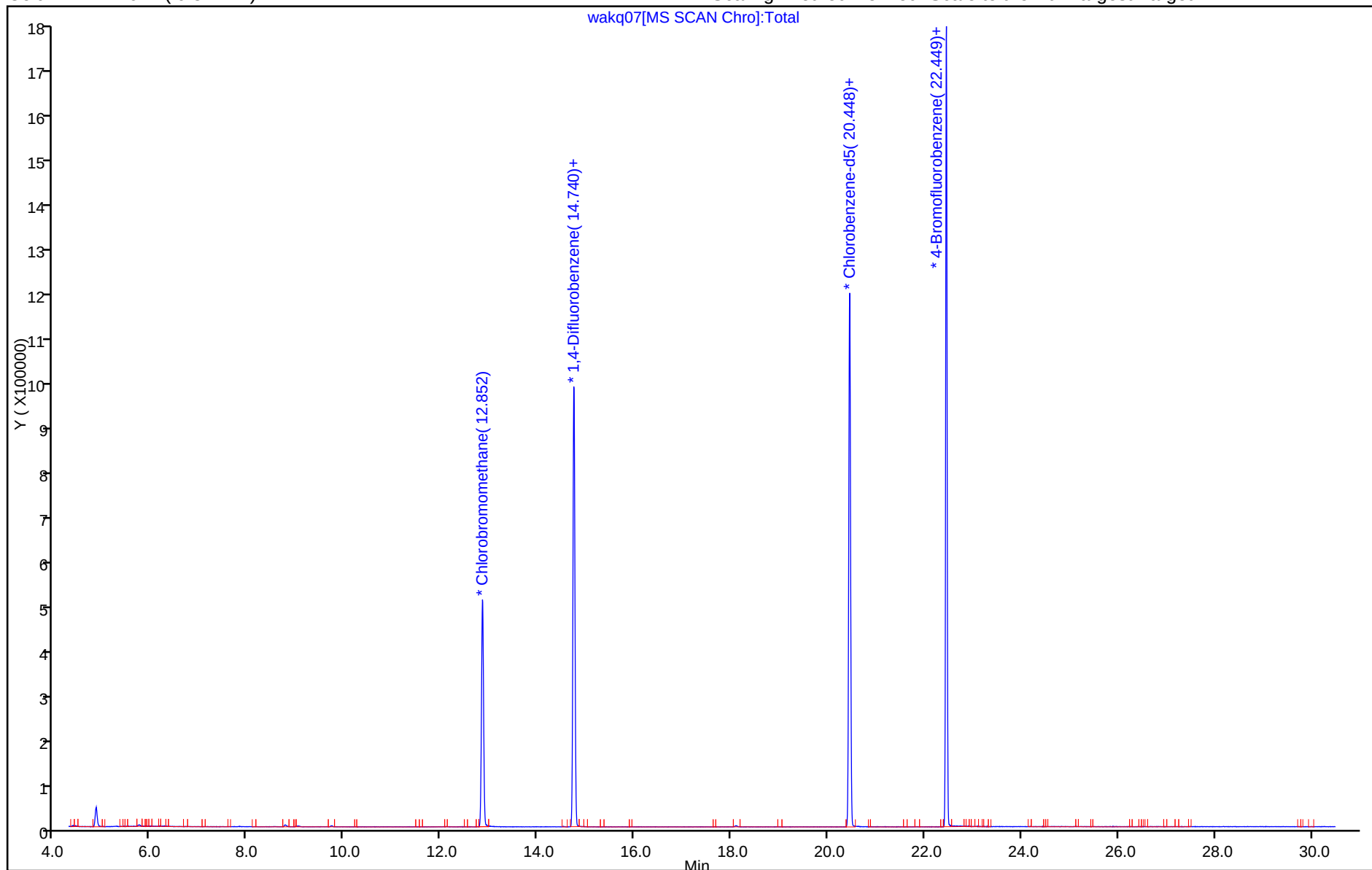
ALS Bottle#: 6

Method: TO15v5_W

Limit Group: AI_TO15_Limits

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.: 200-20209-1
 SDG No.: _____
 Client Sample ID: 3552 Lab Sample ID: 200-20209-4
 Matrix: Air Lab File ID: wakq08.d
 Analysis Method: TO-15 Date Collected: 12/20/2013 00:00
 Sample wt/vol: 1000 (mL) Date Analyzed: 01/07/2014 18:46
 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.: 66889 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.: 200-20209-1
 SDG No.: _____
 Client Sample ID: 3552 Lab Sample ID: 200-20209-4
 Matrix: Air Lab File ID: wakq08.d
 Analysis Method: TO-15 Date Collected: 12/20/2013 00:00
 Sample wt/vol: 1000 (mL) Date Analyzed: 01/07/2014 18:46
 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.: 66889 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.: 200-20209-1
SDG No.: _____
Client Sample ID: 3552 Lab Sample ID: 200-20209-4
Matrix: Air Lab File ID: wakq08.d
Analysis Method: TO-15 Date Collected: 12/20/2013 00:00
Sample wt/vol: 1000 (mL) Date Analyzed: 01/07/2014 18:46
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.: 66889 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.040	U *	0.040	0.040
104-51-8	n-Butylbenzene	0.040	U *	0.040	0.040
95-50-1	1,2-Dichlorobenzene	0.040	U	0.040	0.040
120-82-1	1,2,4-Trichlorobenzene	0.10	U	0.10	0.10
87-68-3	Hexachlorobutadiene	0.040	U	0.040	0.040
91-20-3	Naphthalene	0.10	U *	0.10	0.10

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140107-5646.b\wakq08.d
 Lims ID: 200-20209-A-4 Lab Sample ID: 200-20209-4
 Client ID: 3552
 Sample Type: Client
 Inject. Date: 07-Jan-2014 18:46:30 ALS Bottle#: 7 Worklist Smp#: 8
 Purge Vol: 200.000 mL Dil. Factor: 0.2000
 Sample Info: 200-0005646-008
 Misc. Info.: 200-20209-A-4
 Operator ID: wrd Instrument ID: CHW.i
 Method: \\BTV-LIMS1\ChromData\CHW.i\20140107-5646.b\TO15v5_W.m
 Limit Group: AI_TO15_Limits
 Last Update: 08-Jan-2014 09:18:36 Calib Date: 12-Dec-2013 23:57:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20131212-5428.b\wak011.d
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: XAWRK022

First Level Reviewer: lyonsb

Date: 08-Jan-2014 09:08:15

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
1 Propene	41		4.378					
6 Dichlorodifluoromethane	85		4.469					
7 Chlorodifluoromethane	51		4.533					
8 1,2-Dichloro-1,1,2,2-tetrafluoro	85		4.822					
9 Chloromethane	50		5.020					
10 Butane	43		5.277					
11 Vinyl chloride	62		5.335					
12 Butadiene	54		5.437					
13 Bromomethane	94		6.304					
14 Chloroethane	64		6.598					
16 Vinyl bromide	106		7.074					
17 Trichlorofluoromethane	101		7.192					
19 Ethanol	45		7.802					
22 1,1,2-Trichloro-1,2,2-trifluoro	101		8.444					
23 1,1-Dichloroethene	96		8.513					
24 Acetone	43	8.770	8.770	0.0	71	9057	0.2456	
26 Carbon disulfide	76		9.000					
27 Isopropyl alcohol	45		9.032					
28 3-Chloro-1-propene	41		9.407					
30 Methylene Chloride	49		9.733					
31 2-Methyl-2-propanol	59		9.904					
S 38 1,2-Dichloroethene, Total	61		10.000					
32 Methyl tert-butyl ether	73		10.166					
33 trans-1,2-Dichloroethene	61		10.236					
35 Hexane	57		10.653					
36 1,1-Dichloroethane	63		11.199					
37 Vinyl acetate	43		11.242					
39 cis-1,2-Dichloroethene	96		12.376					
40 2-Butanone (MEK)	72		12.392					
41 Ethyl acetate	88		12.418					
* 42 Chlorobromomethane	128	12.857	12.852	0.005	69	264549	10.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
43 Tetrahydrofuran	42		12.857					
44 Chloroform	83		12.969					
45 Cyclohexane	84		13.269					
46 1,1,1-Trichloroethane	97		13.280					
48 Carbon tetrachloride	117		13.537					
49 Isooctane	57		13.932					
50 Benzene	78		13.986					
51 1,2-Dichloroethane	62		14.146					
52 n-Heptane	43		14.280					
* 53 1,4-Difluorobenzene	114	14.746	14.745	0.001	92	1272890	10.0	
55 Trichloroethene	95		15.211					
S 63 Xylenes, Total	106		15.600					
56 1,2-Dichloropropane	63		15.735					
57 Methyl methacrylate	69		15.821					
58 1,4-Dioxane	88		15.906					
59 Dibromomethane	174		15.976					
60 Dichlorobromomethane	83		16.222					
64 cis-1,3-Dichloropropene	75		17.089					
65 4-Methyl-2-pentanone (MIBK)	43		17.324					
66 Toluene	92		17.667					
68 trans-1,3-Dichloropropene	75		18.196					
69 1,1,2-Trichloroethane	83		18.560					
70 Tetrachloroethene	166		18.699					
71 2-Hexanone	43		18.950					
72 Chlorodibromomethane	129		19.320					
73 Ethylene Dibromide	107		19.603					
* 75 Chlorobenzene-d5	117	20.448	20.448	0.0	83	1104609	10.0	
76 Chlorobenzene	112		20.507					
77 Ethylbenzene	91		20.620					
79 m-Xylene & p-Xylene	106		20.839					
80 o-Xylene	106		21.550					
81 Styrene	104		21.588					
82 Bromoform	173		21.962					
83 Isopropylbenzene	105		22.112					
* 107 4-Bromofluorobenzene	95	22.449	22.460	-0.011	0	688620	10.0	
85 1,1,2,2-Tetrachloroethane	83		22.674					
86 N-Propylbenzene	91		22.749					
84 4-Ethyltoluene	105		22.915					
89 2-Chlorotoluene	91		22.947					
90 1,3,5-Trimethylbenzene	105		23.006					
92 tert-Butylbenzene	119		23.482					
93 1,2,4-Trimethylbenzene	105		23.578					
94 sec-Butylbenzene	105		23.813					
95 4-Isopropyltoluene	119		24.017					
96 1,3-Dichlorobenzene	146		24.086					
97 1,4-Dichlorobenzene	146		24.231					
98 Benzyl chloride	91		24.439					
100 n-Butylbenzene	91		24.659					
101 1,2-Dichlorobenzene	146		24.835					
103 1,2,4-Trichlorobenzene	180		27.735					
104 Hexachlorobutadiene	225		27.938					
105 Naphthalene	128		28.323					

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
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110 BFB

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140107-5646.b\wakq08.d

Injection Date: 07-Jan-2014 18:46:30

Instrument ID: CHW.i

Operator ID: wrd

Lims ID: 200-20209-A-4

Lab Sample ID: 200-20209-4

Worklist Smp#: 8

Client ID: 3552

Purge Vol: 200.000 mL

Dil. Factor: 0.2000

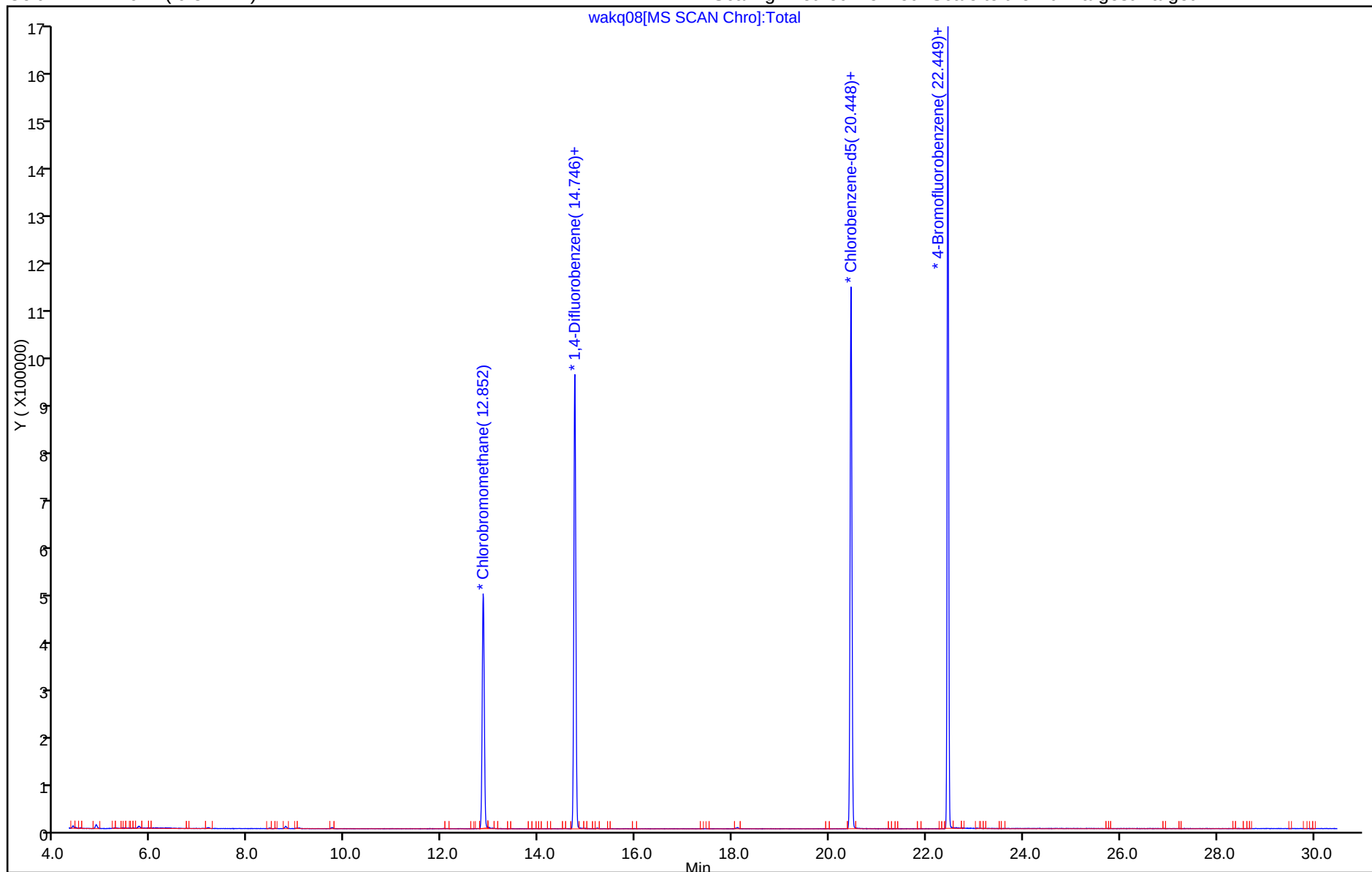
ALS Bottle#: 7

Method: TO15v5_W

Limit Group: AI_TO15_Limits

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.: 200-20209-1
 SDG No.: _____
 Client Sample ID: 5153 Lab Sample ID: 200-20209-5
 Matrix: Air Lab File ID: wakq09.d
 Analysis Method: TO-15 Date Collected: 12/20/2013 00:00
 Sample wt/vol: 1000 (mL) Date Analyzed: 01/07/2014 19:54
 Soil Aliquot Vol: _____ Dilution Factor: 0.2
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 66889 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.: 200-20209-1
 SDG No.: _____
 Client Sample ID: 5153 Lab Sample ID: 200-20209-5
 Matrix: Air Lab File ID: wakq09.d
 Analysis Method: TO-15 Date Collected: 12/20/2013 00:00
 Sample wt/vol: 1000 (mL) Date Analyzed: 01/07/2014 19:54
 Soil Aliquot Vol: _____ Dilution Factor: 0.2
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 66889 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.: 200-20209-1
 SDG No.: _____
 Client Sample ID: 5153 Lab Sample ID: 200-20209-5
 Matrix: Air Lab File ID: wakq09.d
 Analysis Method: TO-15 Date Collected: 12/20/2013 00:00
 Sample wt/vol: 1000 (mL) Date Analyzed: 01/07/2014 19:54
 Soil Aliquot Vol: _____ Dilution Factor: 0.2
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 66889 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.040	U *	0.040	0.040
104-51-8	n-Butylbenzene	0.040	U *	0.040	0.040
95-50-1	1,2-Dichlorobenzene	0.040	U	0.040	0.040
120-82-1	1,2,4-Trichlorobenzene	0.10	U	0.10	0.10
87-68-3	Hexachlorobutadiene	0.040	U	0.040	0.040
91-20-3	Naphthalene	0.10	U *	0.10	0.10

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140107-5646.b\wakq09.d
 Lims ID: 200-20209-A-5 Lab Sample ID: 200-20209-5
 Client ID: 5153
 Sample Type: Client
 Inject. Date: 07-Jan-2014 19:54:30 ALS Bottle#: 8 Worklist Smp#: 9
 Purge Vol: 200.000 mL Dil. Factor: 0.2000
 Sample Info: 200-0005646-009
 Misc. Info.: 200-20209-A-5
 Operator ID: wrd Instrument ID: CHW.i
 Method: \\BTV-LIMS1\ChromData\CHW.i\20140107-5646.b\TO15v5_W.m
 Limit Group: AI_TO15_Limits
 Last Update: 08-Jan-2014 09:18:36 Calib Date: 12-Dec-2013 23:57:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20131212-5428.b\wak011.d
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: XAWRK022

First Level Reviewer: lyonsb

Date: 08-Jan-2014 09:09:10

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
1 Propene	41		4.378					
6 Dichlorodifluoromethane	85		4.469					
7 Chlorodifluoromethane	51		4.533					
8 1,2-Dichloro-1,1,2,2-tetrafluoro	85		4.822					
9 Chloromethane	50		5.020					
10 Butane	43		5.277					
11 Vinyl chloride	62		5.335					
12 Butadiene	54		5.437					
13 Bromomethane	94		6.304					
14 Chloroethane	64		6.598					
16 Vinyl bromide	106		7.074					
17 Trichlorofluoromethane	101		7.192					
19 Ethanol	45		7.802					
22 1,1,2-Trichloro-1,2,2-trifluoro	101		8.444					
23 1,1-Dichloroethene	96		8.513					
24 Acetone	43	8.759	8.770	-0.011	77	24652	0.6344	M
26 Carbon disulfide	76		9.000					
27 Isopropyl alcohol	45		9.032					
28 3-Chloro-1-propene	41		9.407					
30 Methylene Chloride	49		9.733					
31 2-Methyl-2-propanol	59		9.904					
S 38 1,2-Dichloroethene, Total	61		10.000					
32 Methyl tert-butyl ether	73		10.166					
33 trans-1,2-Dichloroethene	61		10.236					
35 Hexane	57		10.653					
36 1,1-Dichloroethane	63		11.199					
37 Vinyl acetate	43		11.242					
39 cis-1,2-Dichloroethene	96		12.376					
40 2-Butanone (MEK)	72		12.392					
41 Ethyl acetate	88		12.418					
* 42 Chlorobromomethane	128	12.852	12.852	0.0	68	278781	10.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
43 Tetrahydrofuran	42		12.857					
44 Chloroform	83		12.969					
45 Cyclohexane	84		13.269					
46 1,1,1-Trichloroethane	97		13.280					
48 Carbon tetrachloride	117		13.537					
49 Isooctane	57		13.932					
50 Benzene	78		13.986					
51 1,2-Dichloroethane	62		14.146					
52 n-Heptane	43		14.280					
* 53 1,4-Difluorobenzene	114	14.746	14.745	0.001	92	1345547	10.0	
55 Trichloroethene	95		15.211					
S 63 Xylenes, Total	106		15.600					
56 1,2-Dichloropropane	63		15.735					
57 Methyl methacrylate	69		15.821					
58 1,4-Dioxane	88		15.906					
59 Dibromomethane	174		15.976					
60 Dichlorobromomethane	83		16.222					
64 cis-1,3-Dichloropropene	75		17.089					
65 4-Methyl-2-pentanone (MIBK)	43		17.324					
66 Toluene	92		17.667					
68 trans-1,3-Dichloropropene	75		18.196					
69 1,1,2-Trichloroethane	83		18.560					
70 Tetrachloroethene	166		18.699					
71 2-Hexanone	43		18.950					
72 Chlorodibromomethane	129		19.320					
73 Ethylene Dibromide	107		19.603					
* 75 Chlorobenzene-d5	117	20.448	20.448	0.0	83	1154177	10.0	
76 Chlorobenzene	112		20.507					
77 Ethylbenzene	91		20.620					
79 m-Xylene & p-Xylene	106		20.839					
80 o-Xylene	106		21.550					
81 Styrene	104		21.588					
82 Bromoform	173		21.962					
83 Isopropylbenzene	105		22.112					
* 107 4-Bromofluorobenzene	95	22.449	22.460	-0.011	0	736001	10.0	
85 1,1,2,2-Tetrachloroethane	83		22.674					
86 N-Propylbenzene	91		22.749					
84 4-Ethyltoluene	105		22.915					
89 2-Chlorotoluene	91		22.947					
90 1,3,5-Trimethylbenzene	105		23.006					
92 tert-Butylbenzene	119		23.482					
93 1,2,4-Trimethylbenzene	105		23.578					
94 sec-Butylbenzene	105		23.813					
95 4-Isopropyltoluene	119		24.017					
96 1,3-Dichlorobenzene	146		24.086					
97 1,4-Dichlorobenzene	146		24.231					
98 Benzyl chloride	91		24.439					
100 n-Butylbenzene	91		24.659					
101 1,2-Dichlorobenzene	146		24.835					
103 1,2,4-Trichlorobenzene	180		27.735					
104 Hexachlorobutadiene	225		27.938					
105 Naphthalene	128		28.323					

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
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110 BFB

QC Flag Legend

Review Flags

M - Manually Integrated

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140107-5646.b\wakq09.d

Injection Date: 07-Jan-2014 19:54:30

Instrument ID: CHW.i

Operator ID: wrd

Lims ID: 200-20209-A-5

Lab Sample ID: 200-20209-5

Worklist Smp#: 9

Client ID: 5153

Purge Vol: 200.000 mL

Dil. Factor: 0.2000

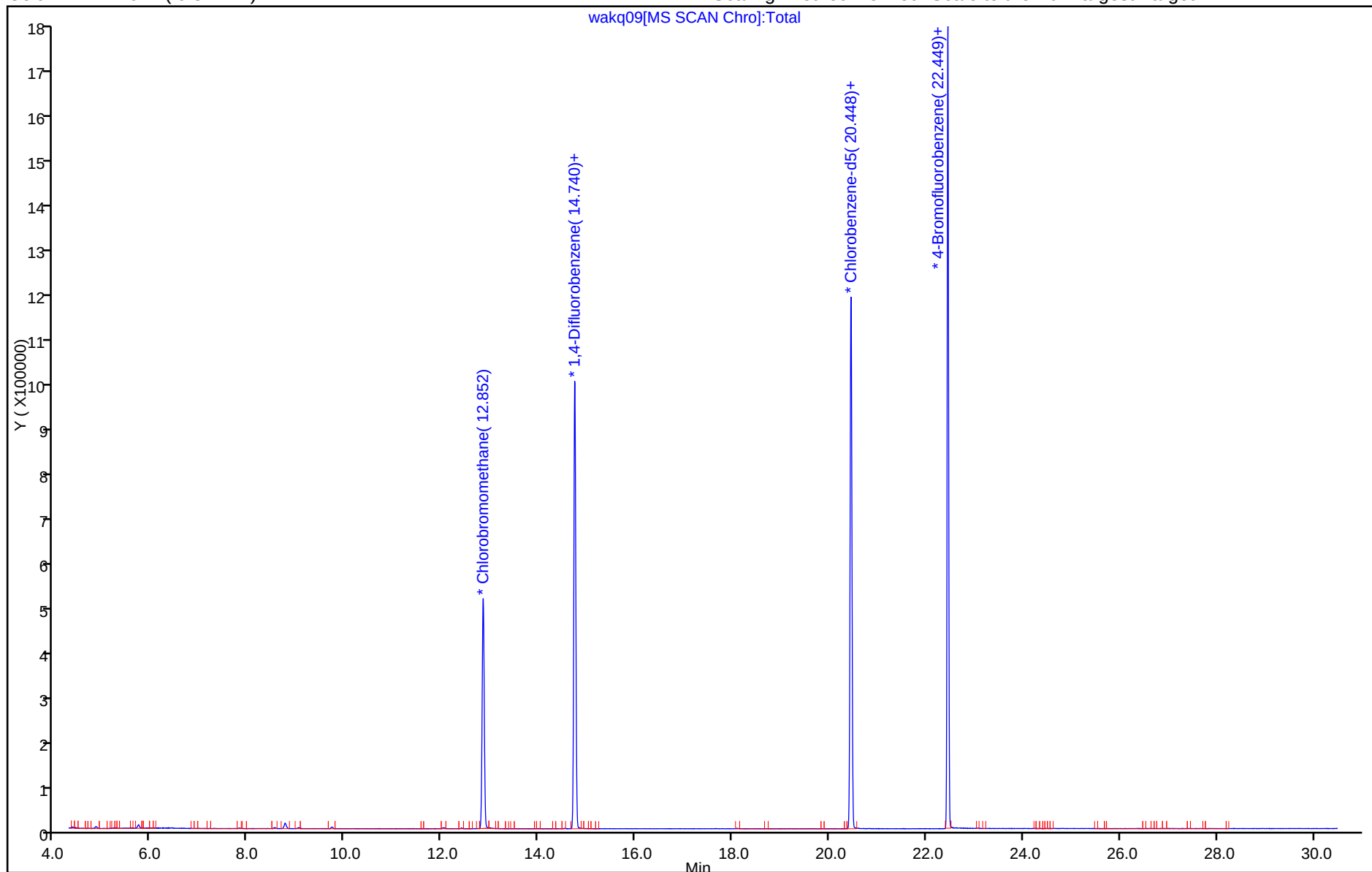
ALS Bottle#: 8

Method: TO15v5_W

Limit Group: AI_TO15_Limits

Column: RTX-624 (0.32 mm)

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



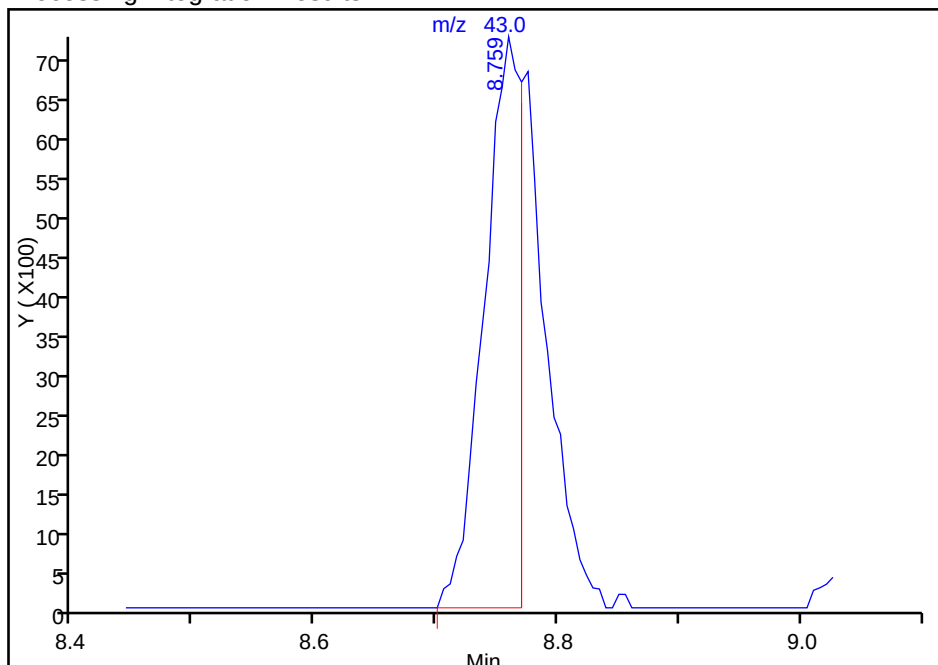
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140107-5646.b\wakq09.d		
Injection Date:	07-Jan-2014 19:54:30	Instrument ID:	CHW.i
Lims ID:	200-20209-A-5	Lab Sample ID:	200-20209-5
Client ID:	5153		
Operator ID:	wrd	ALS Bottle#:	8
Purge Vol:	200.000 mL	Dil. Factor:	0.2000
Method:	TO15v5_W	Limit Group:	AI_TO15_Limits
Column:	RTX-624 (0.32 mm)	Detector:	MS SCAN
		Worklist Smp#:	9

24 Acetone, CAS: 67-64-1

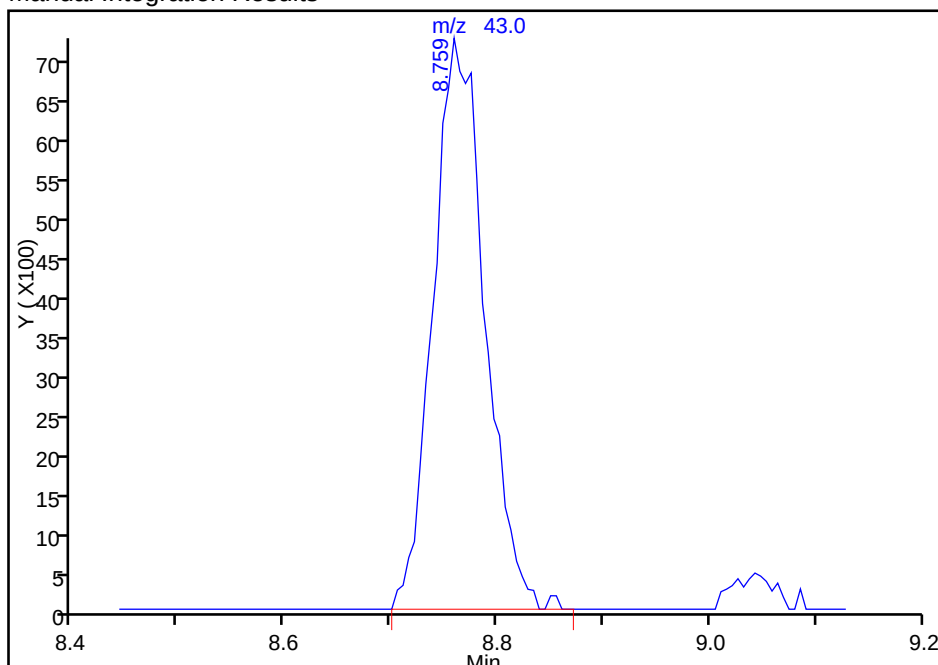
RT: 8.76
Response: 15565
Amount: 0.400567

Processing Integration Results



RT: 8.76
Response: 24652
Amount: 0.634422

Manual Integration Results



Reviewer: lyonsb, 08-Jan-2014 09:09:10
Audit Action: Manually Integrated
Audit Reason: Baseline Event

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

Lab Name: TestAmerica Burlington Job No.: 200-20209-1
 SDG No.: _____
 Client Sample ID: 3758 Lab Sample ID: 200-20209-6
 Matrix: Air Lab File ID: wakq10.d
 Analysis Method: TO-15 Date Collected: 12/20/2013 00:00
 Sample wt/vol: 1000 (mL) Date Analyzed: 01/07/2014 20:59
 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.: 66889 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.: 200-20209-1
 SDG No.: _____
 Client Sample ID: 3758 Lab Sample ID: 200-20209-6
 Matrix: Air Lab File ID: wakq10.d
 Analysis Method: TO-15 Date Collected: 12/20/2013 00:00
 Sample wt/vol: 1000 (mL) Date Analyzed: 01/07/2014 20:59
 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.: 66889 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.: 200-20209-1
 SDG No.: _____
 Client Sample ID: 3758 Lab Sample ID: 200-20209-6
 Matrix: Air Lab File ID: wakq10.d
 Analysis Method: TO-15 Date Collected: 12/20/2013 00:00
 Sample wt/vol: 1000 (mL) Date Analyzed: 01/07/2014 20:59
 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.: 66889 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.040	U *	0.040	0.040
104-51-8	n-Butylbenzene	0.040	U *	0.040	0.040
95-50-1	1,2-Dichlorobenzene	0.040	U	0.040	0.040
120-82-1	1,2,4-Trichlorobenzene	0.10	U	0.10	0.10
87-68-3	Hexachlorobutadiene	0.040	U	0.040	0.040
91-20-3	Naphthalene	0.10	U *	0.10	0.10

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140107-5646.b\wakq10.d
 Lims ID: 200-20209-A-6 Lab Sample ID: 200-20209-6
 Client ID: 3758
 Sample Type: Client
 Inject. Date: 07-Jan-2014 20:59:30 ALS Bottle#: 9 Worklist Smp#: 10
 Purge Vol: 200.000 mL Dil. Factor: 0.2000
 Sample Info: 200-0005646-010
 Misc. Info.: 200-20209-A-6
 Operator ID: wrd Instrument ID: CHW.i
 Method: \\BTV-LIMS1\ChromData\CHW.i\20140107-5646.b\TO15v5_W.m
 Limit Group: AI_TO15_Limits
 Last Update: 08-Jan-2014 09:22:25 Calib Date: 12-Dec-2013 23:57:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20131212-5428.b\wak011.d
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: XAWRK022

First Level Reviewer: lyonsb

Date: 08-Jan-2014 09:10:00

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
1 Propene	41		4.378					
6 Dichlorodifluoromethane	85		4.469					
7 Chlorodifluoromethane	51		4.533					
8 1,2-Dichloro-1,1,2,2-tetrafluoro	85		4.822					
9 Chloromethane	50		5.020					
10 Butane	43		5.277					
11 Vinyl chloride	62		5.335					
12 Butadiene	54		5.437					
13 Bromomethane	94		6.304					
14 Chloroethane	64		6.598					
16 Vinyl bromide	106		7.074					
17 Trichlorofluoromethane	101		7.192					
19 Ethanol	45		7.802					
22 1,1,2-Trichloro-1,2,2-trifluoro	101		8.444					
23 1,1-Dichloroethene	96		8.513					
24 Acetone	43	8.775	8.754	0.021	65	9075	0.2464	
26 Carbon disulfide	76	9.005	9.000	0.005	64	5079	0.0607	
27 Isopropyl alcohol	45		9.032					
28 3-Chloro-1-propene	41		9.407					
30 Methylene Chloride	49		9.733					
31 2-Methyl-2-propanol	59		9.904					
S 38 1,2-Dichloroethene, Total	61		10.000					
32 Methyl tert-butyl ether	73		10.166					
33 trans-1,2-Dichloroethene	61		10.236					
35 Hexane	57		10.653					
36 1,1-Dichloroethane	63		11.199					
37 Vinyl acetate	43		11.242					
39 cis-1,2-Dichloroethene	96		12.376					
40 2-Butanone (MEK)	72		12.392					
41 Ethyl acetate	88		12.418					
* 42 Chlorobromomethane	128	12.857	12.857	0.0	69	264199	10.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
43 Tetrahydrofuran	42		12.857					
44 Chloroform	83		12.969					
45 Cyclohexane	84		13.269					
46 1,1,1-Trichloroethane	97		13.280					
48 Carbon tetrachloride	117		13.537					
49 Isooctane	57		13.932					
50 Benzene	78		13.986					
51 1,2-Dichloroethane	62		14.146					
52 n-Heptane	43		14.280					
* 53 1,4-Difluorobenzene	114	14.746	14.746	0.0	92	1292481	10.0	
55 Trichloroethene	95		15.211					
S 63 Xylenes, Total	106		15.600					
56 1,2-Dichloropropane	63		15.735					
57 Methyl methacrylate	69		15.821					
58 1,4-Dioxane	88		15.906					
59 Dibromomethane	174		15.976					
60 Dichlorobromomethane	83		16.222					
64 cis-1,3-Dichloropropene	75		17.089					
65 4-Methyl-2-pentanone (MIBK)	43		17.324					
66 Toluene	92		17.667					
68 trans-1,3-Dichloropropene	75		18.196					
69 1,1,2-Trichloroethane	83		18.560					
70 Tetrachloroethene	166		18.699					
71 2-Hexanone	43		18.950					
72 Chlorodibromomethane	129		19.320					
73 Ethylene Dibromide	107		19.603					
* 75 Chlorobenzene-d5	117	20.448	20.448	0.0	82	1116018	10.0	
76 Chlorobenzene	112		20.507					
77 Ethylbenzene	91		20.620					
79 m-Xylene & p-Xylene	106		20.839					
80 o-Xylene	106		21.550					
81 Styrene	104		21.588					
82 Bromoform	173		21.962					
83 Isopropylbenzene	105		22.112					
* 107 4-Bromofluorobenzene	95	22.449	22.449	0.0	0	713037	10.0	
85 1,1,2,2-Tetrachloroethane	83		22.674					
86 N-Propylbenzene	91		22.749					
84 4-Ethyltoluene	105		22.915					
89 2-Chlorotoluene	91		22.947					
90 1,3,5-Trimethylbenzene	105		23.006					
92 tert-Butylbenzene	119		23.482					
93 1,2,4-Trimethylbenzene	105		23.578					
94 sec-Butylbenzene	105		23.813					
95 4-Isopropyltoluene	119		24.017					
96 1,3-Dichlorobenzene	146		24.086					
97 1,4-Dichlorobenzene	146		24.231					
98 Benzyl chloride	91		24.439					
100 n-Butylbenzene	91		24.659					
101 1,2-Dichlorobenzene	146		24.835					
103 1,2,4-Trichlorobenzene	180		27.735					
104 Hexachlorobutadiene	225		27.938					
105 Naphthalene	128		28.323					

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
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110 BFB

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140107-5646.b\wakq10.d

Injection Date: 07-Jan-2014 20:59:30

Instrument ID: CHW.i

Operator ID: wrd

Lims ID: 200-20209-A-6

Lab Sample ID: 200-20209-6

Worklist Smp#: 10

Client ID: 3758

Purge Vol: 200.000 mL

Dil. Factor: 0.2000

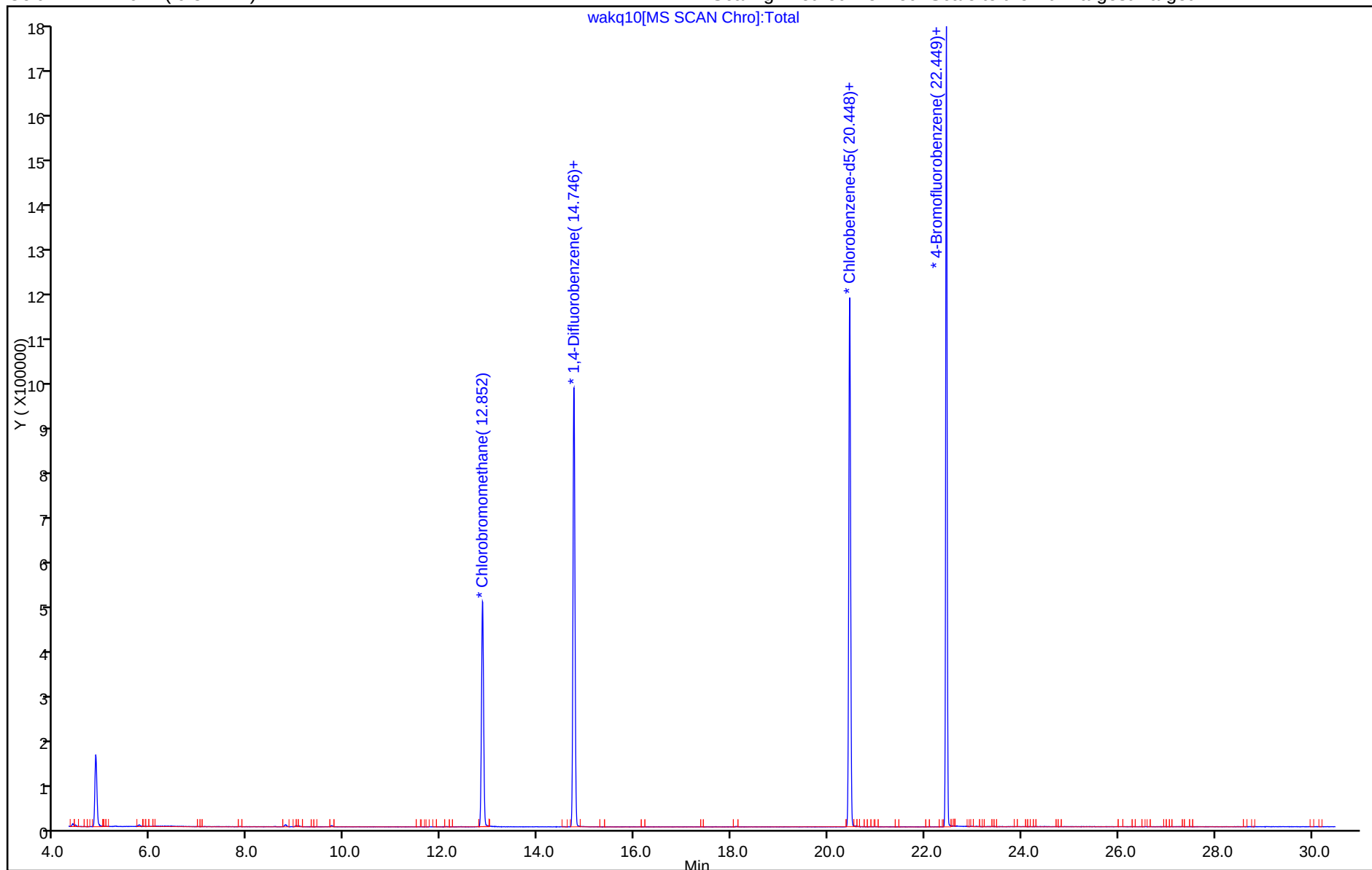
ALS Bottle#: 9

Method: TO15v5_W

Limit Group: AI_TO15_Limits

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.: 200-20209-1
 SDG No.: _____
 Client Sample ID: 4235 Lab Sample ID: 200-20209-7
 Matrix: Air Lab File ID: wakq11.d
 Analysis Method: TO-15 Date Collected: 12/20/2013 00:00
 Sample wt/vol: 1000 (mL) Date Analyzed: 01/07/2014 22:07
 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.: 66889 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.: 200-20209-1
 SDG No.: _____
 Client Sample ID: 4235 Lab Sample ID: 200-20209-7
 Matrix: Air Lab File ID: wakq11.d
 Analysis Method: TO-15 Date Collected: 12/20/2013 00:00
 Sample wt/vol: 1000 (mL) Date Analyzed: 01/07/2014 22:07
 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.: 66889 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.: 200-20209-1
 SDG No.: _____
 Client Sample ID: 4235 Lab Sample ID: 200-20209-7
 Matrix: Air Lab File ID: wakq11.d
 Analysis Method: TO-15 Date Collected: 12/20/2013 00:00
 Sample wt/vol: 1000 (mL) Date Analyzed: 01/07/2014 22:07
 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.: 66889 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.040	U *	0.040	0.040
104-51-8	n-Butylbenzene	0.040	U *	0.040	0.040
95-50-1	1,2-Dichlorobenzene	0.040	U	0.040	0.040
120-82-1	1,2,4-Trichlorobenzene	0.10	U	0.10	0.10
87-68-3	Hexachlorobutadiene	0.040	U	0.040	0.040
91-20-3	Naphthalene	0.10	U *	0.10	0.10

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140107-5646.b\wakq11.d
 Lims ID: 200-20209-A-7 Lab Sample ID: 200-20209-7
 Client ID: 4235
 Sample Type: Client
 Inject. Date: 07-Jan-2014 22:07:30 ALS Bottle#: 10 Worklist Smp#: 11
 Purge Vol: 200.000 mL Dil. Factor: 0.2000
 Sample Info: 200-0005646-011
 Misc. Info.: 200-20209-A-7
 Operator ID: wrd Instrument ID: CHW.i
 Method: \\BTV-LIMS1\ChromData\CHW.i\20140107-5646.b\TO15v5_W.m
 Limit Group: AI_TO15_Limits
 Last Update: 08-Jan-2014 09:18:36 Calib Date: 12-Dec-2013 23:57:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20131212-5428.b\wak011.d
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: XAWRK022

First Level Reviewer: lyonsb

Date: 08-Jan-2014 09:11:56

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
1 Propene	41		4.378					
6 Dichlorodifluoromethane	85		4.469					
7 Chlorodifluoromethane	51		4.533					
8 1,2-Dichloro-1,1,2,2-tetrafluoro	85		4.822					
9 Chloromethane	50		5.020					
10 Butane	43		5.277					
11 Vinyl chloride	62		5.335					
12 Butadiene	54		5.437					
13 Bromomethane	94		6.304					
14 Chloroethane	64		6.598					
16 Vinyl bromide	106		7.074					
17 Trichlorofluoromethane	101		7.192					
19 Ethanol	45		7.802					
22 1,1,2-Trichloro-1,2,2-trifluoroe	101		8.444					
23 1,1-Dichloroethene	96		8.513					
24 Acetone	43	8.813	8.770	0.043	82	13705	0.3762	
26 Carbon disulfide	76		9.000					
27 Isopropyl alcohol	45		9.032					
28 3-Chloro-1-propene	41		9.407					
30 Methylene Chloride	49	9.754	9.733	0.021	58	5043	0.2338	M
31 2-Methyl-2-propanol	59		9.904					
S 38 1,2-Dichloroethene, Total	61		10.000					
32 Methyl tert-butyl ether	73		10.166					
33 trans-1,2-Dichloroethene	61		10.236					
35 Hexane	57		10.653					
36 1,1-Dichloroethane	63		11.199					
37 Vinyl acetate	43		11.242					
39 cis-1,2-Dichloroethene	96		12.376					
40 2-Butanone (MEK)	72		12.392					
41 Ethyl acetate	88		12.418					
* 42 Chlorobromomethane	128	12.862	12.852	0.010	69	261361	10.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
43 Tetrahydrofuran	42		12.857					
44 Chloroform	83		12.969					
45 Cyclohexane	84		13.269					
46 1,1,1-Trichloroethane	97		13.280					
48 Carbon tetrachloride	117		13.537					
49 Isooctane	57		13.932					
50 Benzene	78		13.986					
51 1,2-Dichloroethane	62		14.146					
52 n-Heptane	43		14.280					
* 53 1,4-Difluorobenzene	114	14.756	14.745	0.011	93	1260506	10.0	
55 Trichloroethene	95		15.211					
S 63 Xylenes, Total	106		15.600					
56 1,2-Dichloropropane	63		15.735					
57 Methyl methacrylate	69		15.821					
58 1,4-Dioxane	88		15.906					
59 Dibromomethane	174		15.976					
60 Dichlorobromomethane	83		16.222					
64 cis-1,3-Dichloropropene	75		17.089					
65 4-Methyl-2-pentanone (MIBK)	43		17.324					
66 Toluene	92		17.667					
68 trans-1,3-Dichloropropene	75		18.196					
69 1,1,2-Trichloroethane	83		18.560					
70 Tetrachloroethene	166		18.699					
71 2-Hexanone	43		18.950					
72 Chlorodibromomethane	129		19.320					
73 Ethylene Dibromide	107		19.603					
* 75 Chlorobenzene-d5	117	20.448	20.448	0.0	82	1087013	10.0	
76 Chlorobenzene	112		20.507					
77 Ethylbenzene	91		20.620					
79 m-Xylene & p-Xylene	106		20.839					
80 o-Xylene	106		21.550					
81 Styrene	104		21.588					
82 Bromoform	173		21.962					
83 Isopropylbenzene	105		22.112					
* 107 4-Bromofluorobenzene	95	22.449	22.460	-0.011	0	691718	10.0	
85 1,1,2,2-Tetrachloroethane	83		22.674					
86 N-Propylbenzene	91		22.749					
84 4-Ethyltoluene	105		22.915					
89 2-Chlorotoluene	91		22.947					
90 1,3,5-Trimethylbenzene	105		23.006					
92 tert-Butylbenzene	119		23.482					
93 1,2,4-Trimethylbenzene	105		23.578					
94 sec-Butylbenzene	105		23.813					
95 4-Isopropyltoluene	119		24.017					
96 1,3-Dichlorobenzene	146		24.086					
97 1,4-Dichlorobenzene	146		24.231					
98 Benzyl chloride	91		24.439					
100 n-Butylbenzene	91		24.659					
101 1,2-Dichlorobenzene	146		24.835					
103 1,2,4-Trichlorobenzene	180		27.735					
104 Hexachlorobutadiene	225		27.938					
105 Naphthalene	128		28.323					

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
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110 BFB

QC Flag Legend

Review Flags

M - Manually Integrated

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140107-5646.b\wakq11.d

Injection Date: 07-Jan-2014 22:07:30

Instrument ID: CHW.i

Operator ID: wrd

Lims ID: 200-20209-A-7

Lab Sample ID: 200-20209-7

Worklist Smp#: 11

Client ID: 4235

Purge Vol: 200.000 mL

Dil. Factor: 0.2000

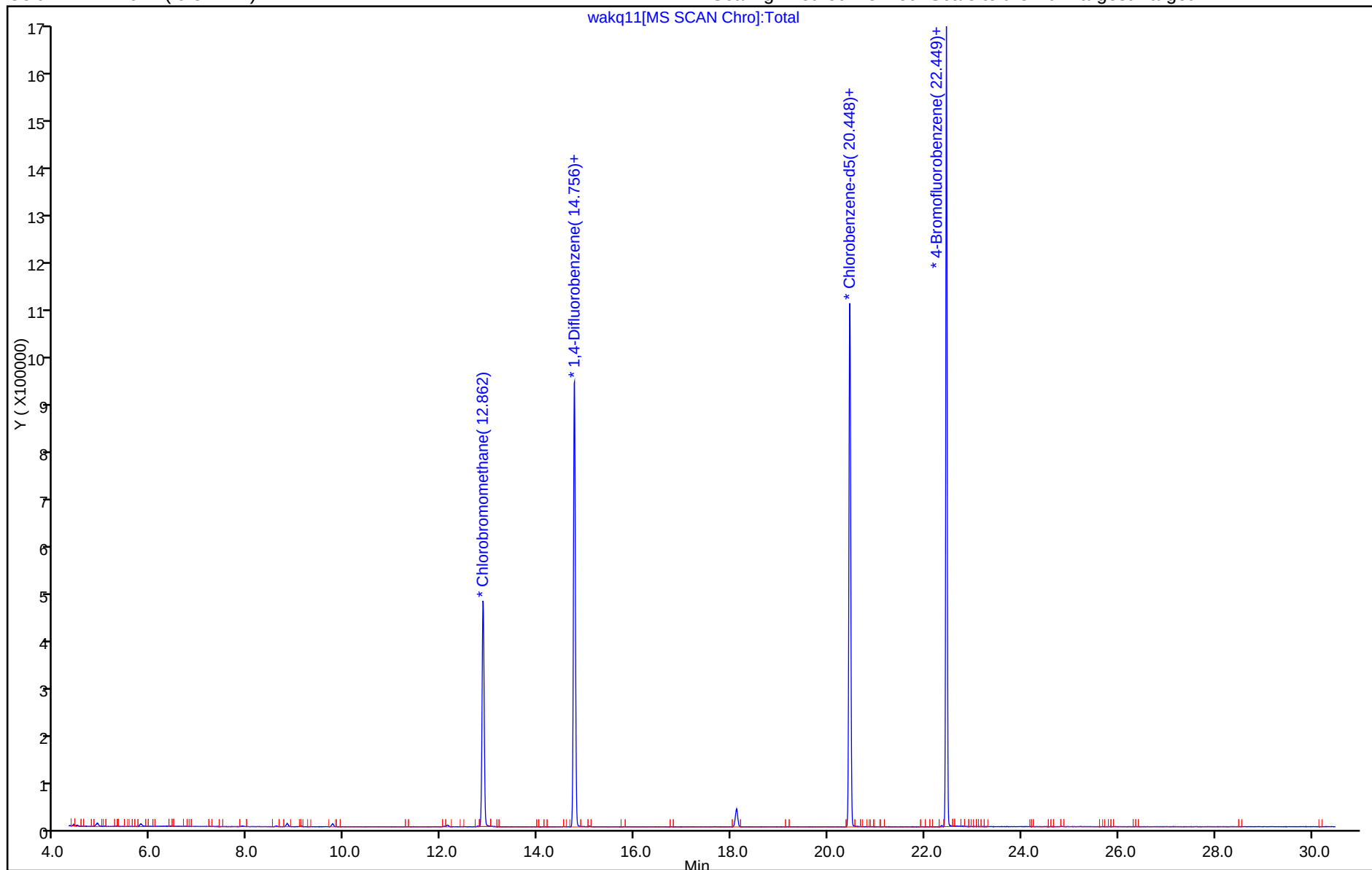
ALS Bottle#: 10

Method: TO15v5_W

Limit Group: AI_TO15_Limits

Column: RTX-624 (0.32 mm)

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



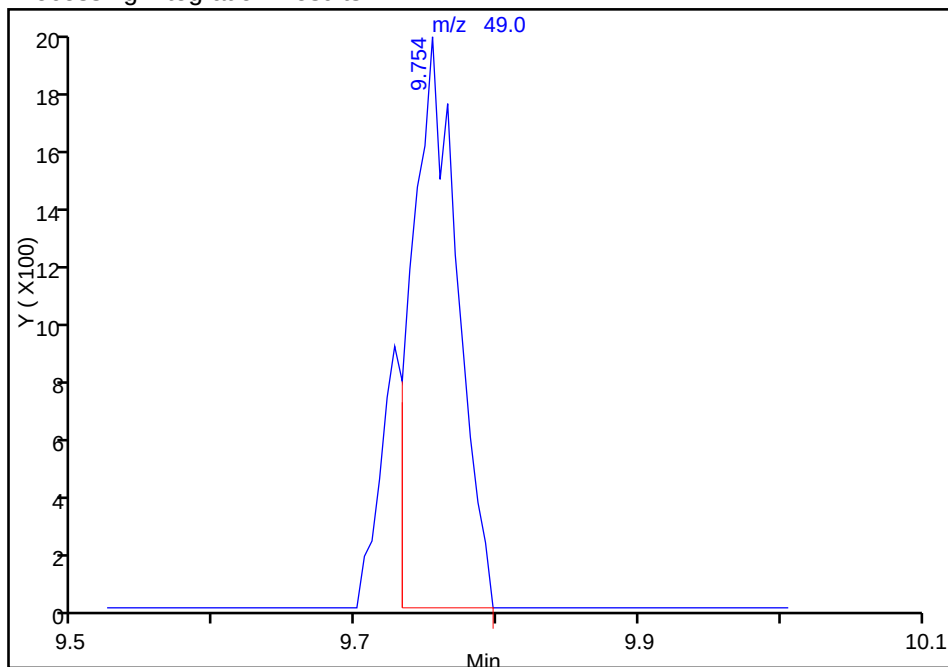
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140107-5646.b\wakq11.d		
Injection Date:	07-Jan-2014 22:07:30	Instrument ID:	CHW.i
Lims ID:	200-20209-A-7	Lab Sample ID:	200-20209-7
Client ID:	4235		
Operator ID:	wrd	ALS Bottle#:	10
Purge Vol:	200.000 mL	Dil. Factor:	0.2000
Method:	TO15v5_W	Limit Group:	AI_TO15_Limits
Column:	RTX-624 (0.32 mm)	Detector:	MS SCAN
		Worklist Smp#:	11

30 Methylene Chloride, CAS: 75-09-2

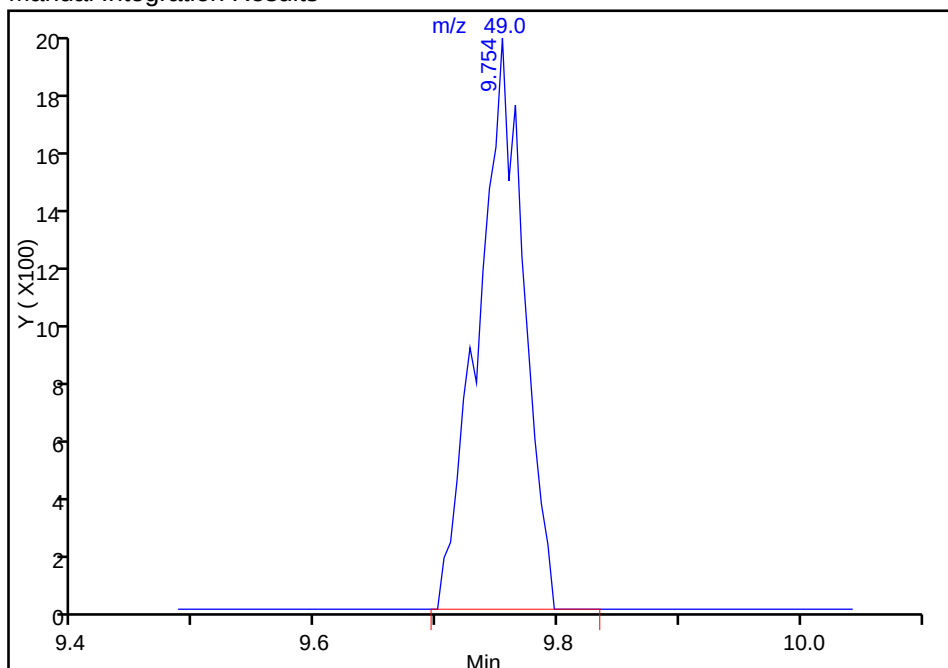
RT: 9.75
Response: 4260
Amount: 0.197493

Processing Integration Results



RT: 9.75
Response: 5043
Amount: 0.233792

Manual Integration Results



Reviewer: lyonsb, 08-Jan-2014 09:11:56
Audit Action: Manually Integrated
Audit Reason: Baseline Event

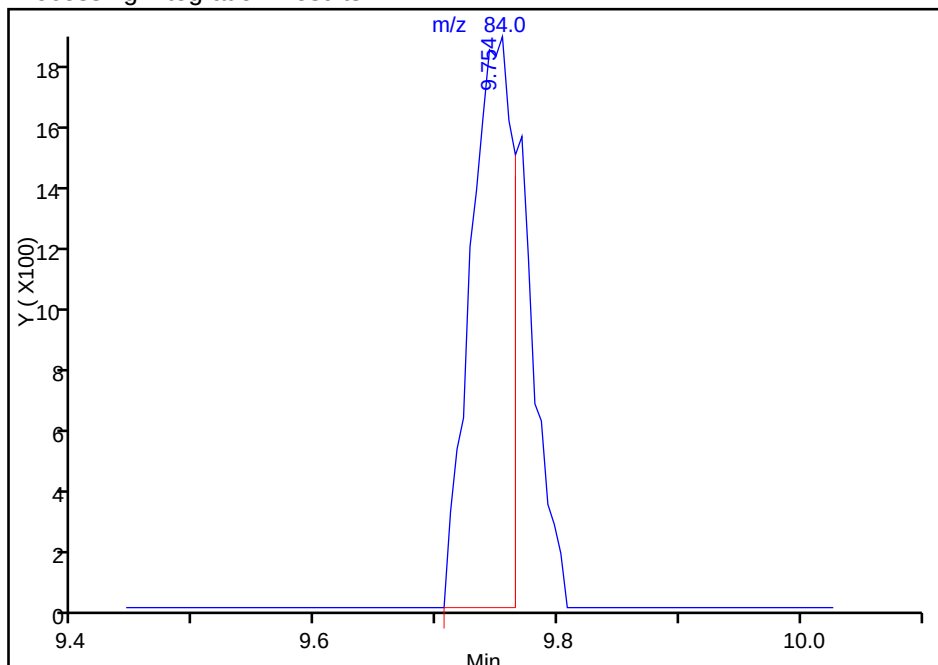
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140107-5646.b\wakq11.d		
Injection Date:	07-Jan-2014 22:07:30	Instrument ID:	CHW.i
Lims ID:	200-20209-A-7	Lab Sample ID:	200-20209-7
Client ID:	4235		
Operator ID:	wrd	ALS Bottle#:	10
Purge Vol:	200.000 mL	Dil. Factor:	0.2000
Method:	TO15v5_W	Limit Group:	AI_TO15_Limits
Column:	RTX-624 (0.32 mm)	Detector:	MS SCAN
		Worklist Smp#:	11

30 Methylene Chloride, CAS: 75-09-2

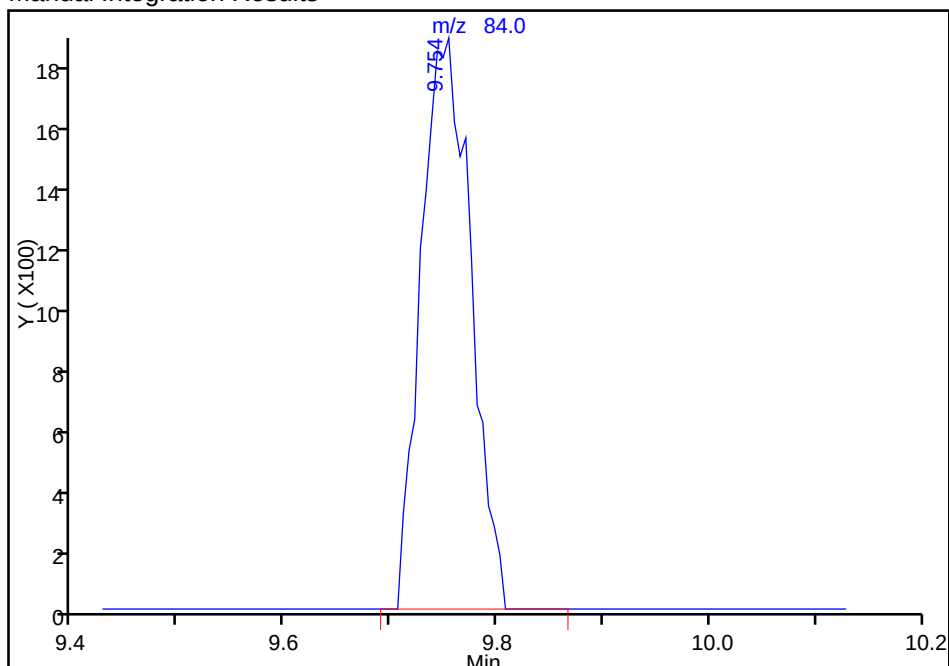
RT: 9.75
Response: 4537
Amount: 0.197493

Processing Integration Results



RT: 9.75
Response: 6058
Amount: 0.233792

Manual Integration Results



Reviewer: lyonsb, 08-Jan-2014 09:11:56
Audit Action: Manually Integrated
Audit Reason: Baseline Event

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

Lab Name: TestAmerica Burlington Job No.: 200-20209-1
 SDG No.: _____
 Client Sample ID: 5042 Lab Sample ID: 200-20209-8
 Matrix: Air Lab File ID: wakql2.d
 Analysis Method: TO-15 Date Collected: 12/20/2013 00:00
 Sample wt/vol: 1000 (mL) Date Analyzed: 01/07/2014 23:14
 Soil Aliquot Vol: _____ Dilution Factor: 0.2
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 66889 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.: 200-20209-1
 SDG No.: _____
 Client Sample ID: 5042 Lab Sample ID: 200-20209-8
 Matrix: Air Lab File ID: wakql2.d
 Analysis Method: TO-15 Date Collected: 12/20/2013 00:00
 Sample wt/vol: 1000 (mL) Date Analyzed: 01/07/2014 23:14
 Soil Aliquot Vol: _____ Dilution Factor: 0.2
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 66889 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.: 200-20209-1
 SDG No.: _____
 Client Sample ID: 5042 Lab Sample ID: 200-20209-8
 Matrix: Air Lab File ID: wakq12.d
 Analysis Method: TO-15 Date Collected: 12/20/2013 00:00
 Sample wt/vol: 1000 (mL) Date Analyzed: 01/07/2014 23:14
 Soil Aliquot Vol: _____ Dilution Factor: 0.2
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 66889 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.040	U *	0.040	0.040
104-51-8	n-Butylbenzene	0.040	U *	0.040	0.040
95-50-1	1,2-Dichlorobenzene	0.040	U	0.040	0.040
120-82-1	1,2,4-Trichlorobenzene	0.10	U	0.10	0.10
87-68-3	Hexachlorobutadiene	0.040	U	0.040	0.040
91-20-3	Naphthalene	0.10	U *	0.10	0.10

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140107-5646.b\wakq12.d
 Lims ID: 200-20209-A-8 Lab Sample ID: 200-20209-8
 Client ID: 5042
 Sample Type: Client
 Inject. Date: 07-Jan-2014 23:14:30 ALS Bottle#: 12 Worklist Smp#: 12
 Purge Vol: 200.000 mL Dil. Factor: 0.2000
 Sample Info: 200-0005646-012
 Misc. Info.: 200-20209-A-8
 Operator ID: wrd Instrument ID: CHW.i
 Method: \\BTV-LIMS1\ChromData\CHW.i\20140107-5646.b\TO15v5_W.m
 Limit Group: AI_TO15_Limits
 Last Update: 08-Jan-2014 09:18:36 Calib Date: 12-Dec-2013 23:57:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20131212-5428.b\wak011.d
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: XAWRK022

First Level Reviewer: lyonsb

Date: 08-Jan-2014 09:12:36

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
1 Propene	41		4.378					
6 Dichlorodifluoromethane	85		4.469					
7 Chlorodifluoromethane	51		4.533					
8 1,2-Dichloro-1,1,2,2-tetrafluoro	85		4.822					
9 Chloromethane	50		5.020					
10 Butane	43		5.277					
11 Vinyl chloride	62		5.335					
12 Butadiene	54		5.437					
13 Bromomethane	94		6.304					
14 Chloroethane	64		6.598					
16 Vinyl bromide	106		7.074					
17 Trichlorofluoromethane	101		7.192					
19 Ethanol	45		7.802					
22 1,1,2-Trichloro-1,2,2-trifluoro	101		8.444					
23 1,1-Dichloroethene	96		8.513					
24 Acetone	43	8.786	8.770	0.016	70	12093	0.3453	
26 Carbon disulfide	76		9.000					
27 Isopropyl alcohol	45		9.032					
28 3-Chloro-1-propene	41		9.407					
30 Methylene Chloride	49	9.733	9.733	0.0	36	1624	0.0783	
31 2-Methyl-2-propanol	59		9.904					
S 38 1,2-Dichloroethene, Total	61		10.000					
32 Methyl tert-butyl ether	73		10.166					
33 trans-1,2-Dichloroethene	61		10.236					
35 Hexane	57		10.653					
36 1,1-Dichloroethane	63		11.199					
37 Vinyl acetate	43		11.242					
39 cis-1,2-Dichloroethene	96		12.376					
40 2-Butanone (MEK)	72		12.392					
41 Ethyl acetate	88		12.418					
* 42 Chlorobromomethane	128	12.857	12.852	0.005	69	251278	10.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
43 Tetrahydrofuran	42		12.857					
44 Chloroform	83		12.969					
45 Cyclohexane	84		13.269					
46 1,1,1-Trichloroethane	97		13.280					
48 Carbon tetrachloride	117		13.537					
49 Isooctane	57		13.932					
50 Benzene	78		13.986					
51 1,2-Dichloroethane	62		14.146					
52 n-Heptane	43		14.280					
* 53 1,4-Difluorobenzene	114	14.745	14.745	0.0	92	1217161	10.0	
55 Trichloroethene	95		15.211					
S 63 Xylenes, Total	106		15.600					
56 1,2-Dichloropropane	63		15.735					
57 Methyl methacrylate	69		15.821					
58 1,4-Dioxane	88		15.906					
59 Dibromomethane	174		15.976					
60 Dichlorobromomethane	83		16.222					
64 cis-1,3-Dichloropropene	75		17.089					
65 4-Methyl-2-pentanone (MIBK)	43		17.324					
66 Toluene	92		17.667					
68 trans-1,3-Dichloropropene	75		18.196					
69 1,1,2-Trichloroethane	83		18.560					
70 Tetrachloroethene	166		18.699					
71 2-Hexanone	43		18.950					
72 Chlorodibromomethane	129		19.320					
73 Ethylene Dibromide	107		19.603					
* 75 Chlorobenzene-d5	117	20.448	20.448	0.0	82	1047429	10.0	
76 Chlorobenzene	112		20.507					
77 Ethylbenzene	91		20.620					
79 m-Xylene & p-Xylene	106		20.839					
80 o-Xylene	106		21.550					
81 Styrene	104		21.588					
82 Bromoform	173		21.962					
83 Isopropylbenzene	105		22.112					
* 107 4-Bromofluorobenzene	95	22.449	22.460	-0.011	0	660675	10.0	
85 1,1,2,2-Tetrachloroethane	83		22.674					
86 N-Propylbenzene	91		22.749					
84 4-Ethyltoluene	105		22.915					
89 2-Chlorotoluene	91		22.947					
90 1,3,5-Trimethylbenzene	105		23.006					
92 tert-Butylbenzene	119		23.482					
93 1,2,4-Trimethylbenzene	105		23.578					
94 sec-Butylbenzene	105		23.813					
95 4-Isopropyltoluene	119		24.017					
96 1,3-Dichlorobenzene	146		24.086					
97 1,4-Dichlorobenzene	146		24.231					
98 Benzyl chloride	91		24.439					
100 n-Butylbenzene	91		24.659					
101 1,2-Dichlorobenzene	146		24.835					
103 1,2,4-Trichlorobenzene	180		27.735					
104 Hexachlorobutadiene	225		27.938					
105 Naphthalene	128		28.323					

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
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110 BFB

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140107-5646.b\wakq12.d

Injection Date: 07-Jan-2014 23:14:30

Instrument ID: CHW.i

Operator ID: wrd

Lims ID: 200-20209-A-8

Lab Sample ID: 200-20209-8

Worklist Smp#: 12

Client ID: 5042

Purge Vol: 200.000 mL

Dil. Factor: 0.2000

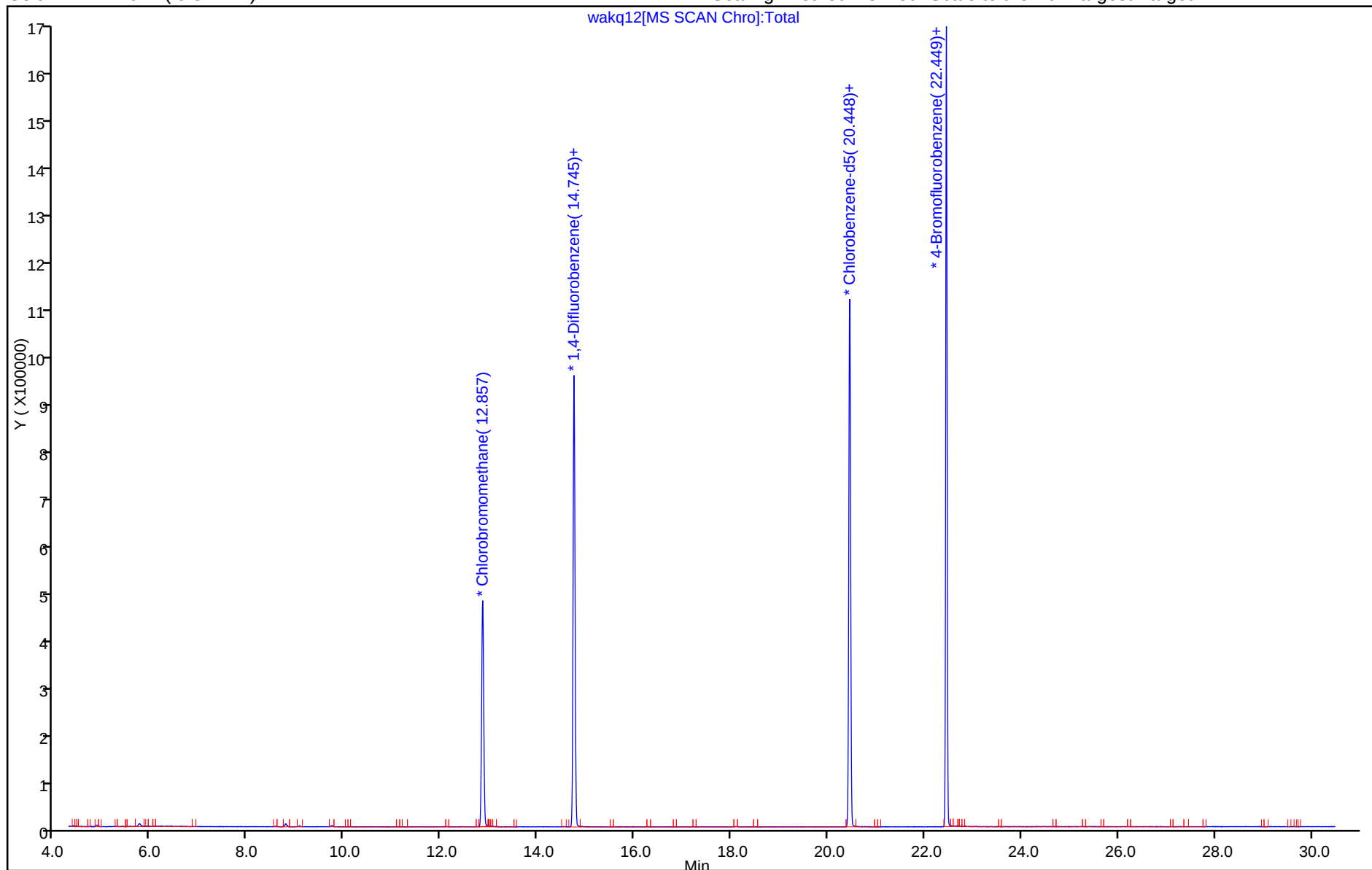
ALS Bottle#: 12

Method: TO15v5_W

Limit Group: AI_TO15_Limits

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.: 200-20209-1
 SDG No.: _____
 Client Sample ID: 4160 Lab Sample ID: 200-20209-9
 Matrix: Air Lab File ID: wakq13.d
 Analysis Method: TO-15 Date Collected: 12/20/2013 00:00
 Sample wt/vol: 1000 (mL) Date Analyzed: 01/08/2014 00:22
 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.: 66889 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.: 200-20209-1

SDG No.: _____

Client Sample ID: 4160 Lab Sample ID: 200-20209-9

Matrix: Air Lab File ID: wakq13.d

Analysis Method: TO-15 Date Collected: 12/20/2013 00:00

Sample wt/vol: 1000 (mL) Date Analyzed: 01/08/2014 00:22

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.: 66889 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.: 200-20209-1
 SDG No.: _____
 Client Sample ID: 4160 Lab Sample ID: 200-20209-9
 Matrix: Air Lab File ID: wakq13.d
 Analysis Method: TO-15 Date Collected: 12/20/2013 00:00
 Sample wt/vol: 1000 (mL) Date Analyzed: 01/08/2014 00:22
 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.: 66889 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.040	U *	0.040	0.040
104-51-8	n-Butylbenzene	0.040	U *	0.040	0.040
95-50-1	1,2-Dichlorobenzene	0.040	U	0.040	0.040
120-82-1	1,2,4-Trichlorobenzene	0.10	U	0.10	0.10
87-68-3	Hexachlorobutadiene	0.040	U	0.040	0.040
91-20-3	Naphthalene	0.10	U *	0.10	0.10

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140107-5646.b\wakq13.d
 Lims ID: 200-20209-A-9 Lab Sample ID: 200-20209-9
 Client ID: 4160
 Sample Type: Client
 Inject. Date: 08-Jan-2014 00:22:30 ALS Bottle#: 11 Worklist Smp#: 13
 Purge Vol: 200.000 mL Dil. Factor: 0.2000
 Sample Info: 200-0005646-013
 Misc. Info.: 200-20209-A-9
 Operator ID: wrd Instrument ID: CHW.i
 Method: \\BTV-LIMS1\ChromData\CHW.i\20140107-5646.b\TO15v5_W.m
 Limit Group: AI_TO15_Limits
 Last Update: 08-Jan-2014 09:18:36 Calib Date: 12-Dec-2013 23:57:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20131212-5428.b\wak011.d
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: XAWRK022

First Level Reviewer: lyonsb

Date: 08-Jan-2014 09:13:34

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
1 Propene	41		4.378					
6 Dichlorodifluoromethane	85		4.469					
7 Chlorodifluoromethane	51		4.533					
8 1,2-Dichloro-1,1,2,2-tetrafluoro	85		4.822					
9 Chloromethane	50		5.020					
10 Butane	43		5.277					
11 Vinyl chloride	62		5.335					
12 Butadiene	54		5.437					
13 Bromomethane	94		6.304					
14 Chloroethane	64		6.598					
16 Vinyl bromide	106		7.074					
17 Trichlorofluoromethane	101		7.192					
19 Ethanol	45		7.802					
22 1,1,2-Trichloro-1,2,2-trifluoroe	101		8.444					
23 1,1-Dichloroethene	96		8.513					
24 Acetone	43	8.786	8.770	0.016	70	10337	0.2892	M
26 Carbon disulfide	76		9.000					
27 Isopropyl alcohol	45		9.032					
28 3-Chloro-1-propene	41		9.407					
30 Methylene Chloride	49	9.738	9.733	0.005	15	1360	0.0643	M
31 2-Methyl-2-propanol	59		9.904					
S 38 1,2-Dichloroethene, Total	61		10.000					
32 Methyl tert-butyl ether	73		10.166					
33 trans-1,2-Dichloroethene	61		10.236					
35 Hexane	57		10.653					
36 1,1-Dichloroethane	63		11.199					
37 Vinyl acetate	43		11.242					
39 cis-1,2-Dichloroethene	96		12.376					
40 2-Butanone (MEK)	72		12.392					
41 Ethyl acetate	88		12.418					
* 42 Chlorobromomethane	128	12.852	12.852	0.0	68	256431	10.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
43 Tetrahydrofuran	42		12.857					
44 Chloroform	83		12.969					
45 Cyclohexane	84		13.269					
46 1,1,1-Trichloroethane	97		13.280					
48 Carbon tetrachloride	117		13.537					
49 Isooctane	57		13.932					
50 Benzene	78		13.986					
51 1,2-Dichloroethane	62		14.146					
52 n-Heptane	43		14.280					
* 53 1,4-Difluorobenzene	114	14.745	14.745	0.0	92	1224215	10.0	
55 Trichloroethene	95		15.211					
S 63 Xylenes, Total	106		15.600					
56 1,2-Dichloropropane	63		15.735					
57 Methyl methacrylate	69		15.821					
58 1,4-Dioxane	88		15.906					
59 Dibromomethane	174		15.976					
60 Dichlorobromomethane	83		16.222					
64 cis-1,3-Dichloropropene	75		17.089					
65 4-Methyl-2-pentanone (MIBK)	43		17.324					
66 Toluene	92		17.667					
68 trans-1,3-Dichloropropene	75		18.196					
69 1,1,2-Trichloroethane	83		18.560					
70 Tetrachloroethene	166		18.699					
71 2-Hexanone	43		18.950					
72 Chlorodibromomethane	129		19.320					
73 Ethylene Dibromide	107		19.603					
* 75 Chlorobenzene-d5	117	20.448	20.448	0.0	83	1063198	10.0	
76 Chlorobenzene	112		20.507					
77 Ethylbenzene	91		20.620					
79 m-Xylene & p-Xylene	106		20.839					
80 o-Xylene	106		21.550					
81 Styrene	104		21.588					
82 Bromoform	173		21.962					
83 Isopropylbenzene	105		22.112					
* 107 4-Bromofluorobenzene	95	22.449	22.460	-0.011	0	678930	10.0	
85 1,1,2,2-Tetrachloroethane	83		22.674					
86 N-Propylbenzene	91		22.749					
84 4-Ethyltoluene	105		22.915					
89 2-Chlorotoluene	91		22.947					
90 1,3,5-Trimethylbenzene	105		23.006					
92 tert-Butylbenzene	119		23.482					
93 1,2,4-Trimethylbenzene	105		23.578					
94 sec-Butylbenzene	105		23.813					
95 4-Isopropyltoluene	119		24.017					
96 1,3-Dichlorobenzene	146		24.086					
97 1,4-Dichlorobenzene	146		24.231					
98 Benzyl chloride	91		24.439					
100 n-Butylbenzene	91		24.659					
101 1,2-Dichlorobenzene	146		24.835					
103 1,2,4-Trichlorobenzene	180		27.735					
104 Hexachlorobutadiene	225		27.938					
105 Naphthalene	128		28.323					

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
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110 BFB

QC Flag Legend

Review Flags

M - Manually Integrated

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140107-5646.b\wakq13.d

Injection Date: 08-Jan-2014 00:22:30

Instrument ID: CHW.i

Operator ID: wrd

Lims ID: 200-20209-A-9

Lab Sample ID: 200-20209-9

Worklist Smp#: 13

Client ID: 4160

Purge Vol: 200.000 mL

Dil. Factor: 0.2000

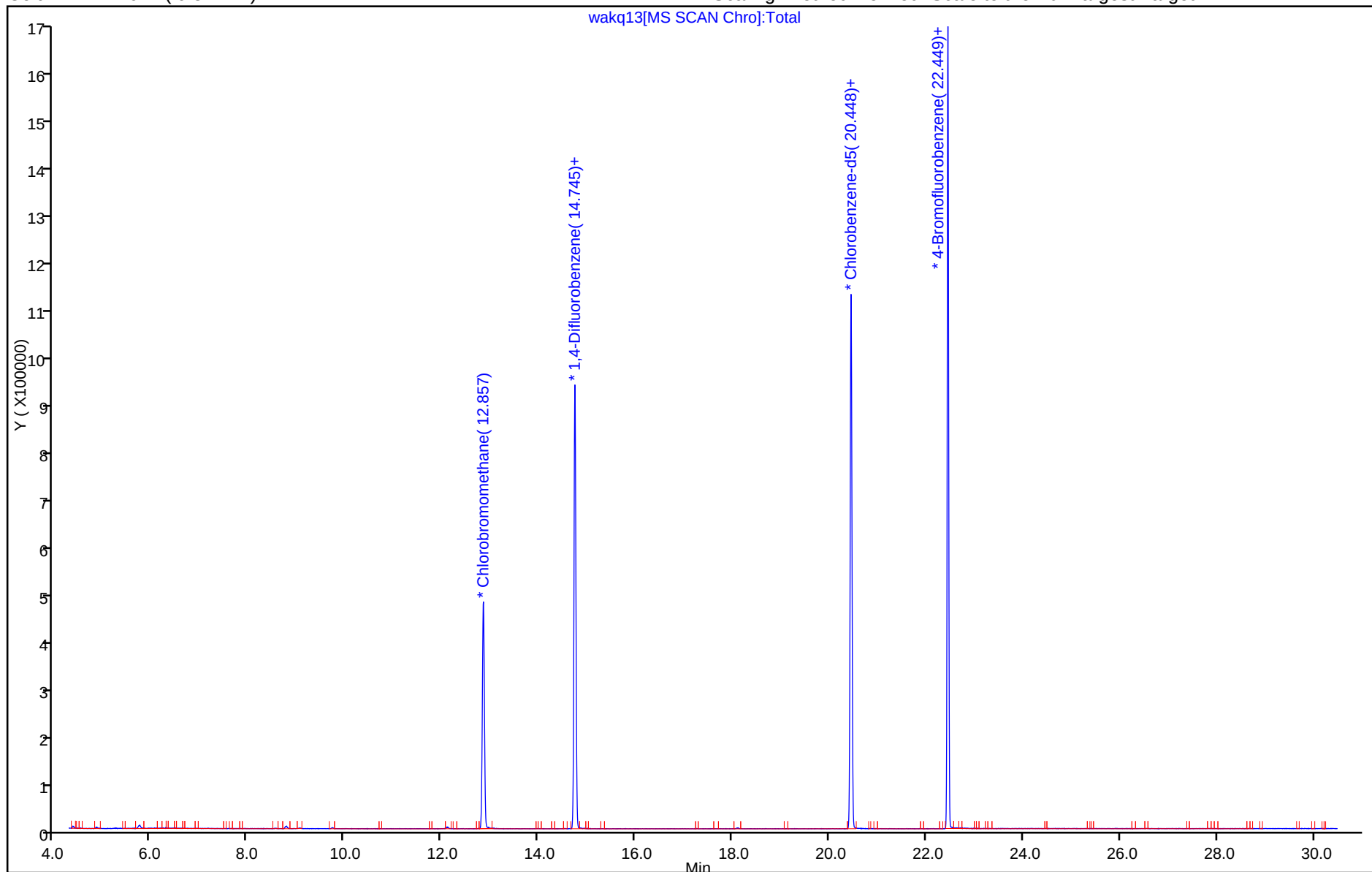
ALS Bottle#: 11

Method: TO15v5_W

Limit Group: AI_TO15_Limits

Column: RTX-624 (0.32 mm)

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



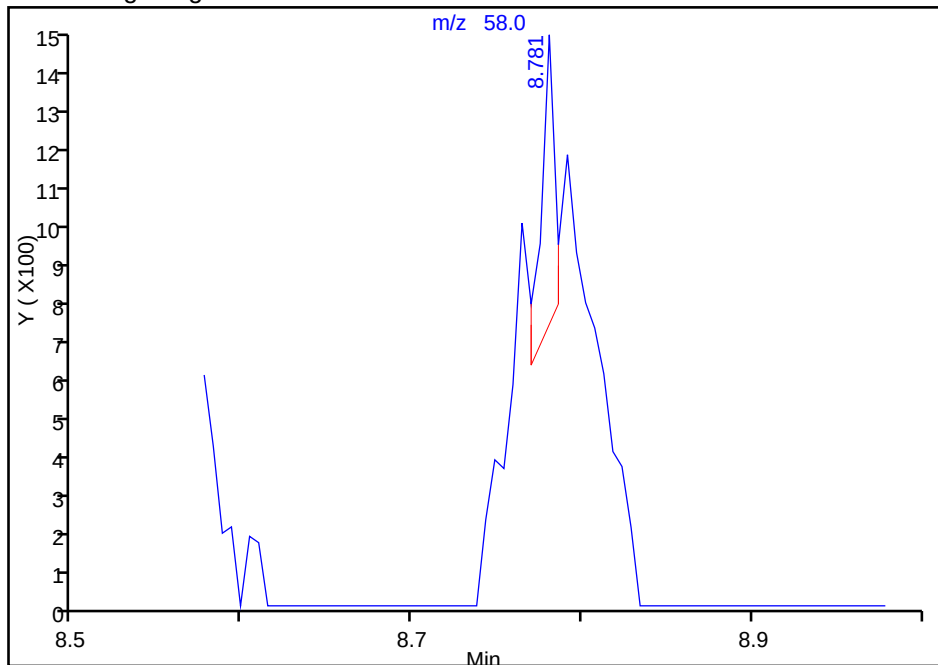
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140107-5646.b\wakq13.d		
Injection Date:	08-Jan-2014 00:22:30	Instrument ID:	CHW.i
Lims ID:	200-20209-A-9	Lab Sample ID:	200-20209-9
Client ID:	4160		
Operator ID:	wrd	ALS Bottle#:	11
Purge Vol:	200.000 mL	Dil. Factor:	0.2000
Method:	TO15v5_W	Limit Group:	AI_TO15_Limits
Column:	RTX-624 (0.32 mm)	Detector:	MS SCAN
		Worklist Smp#:	13

24 Acetone, CAS: 67-64-1

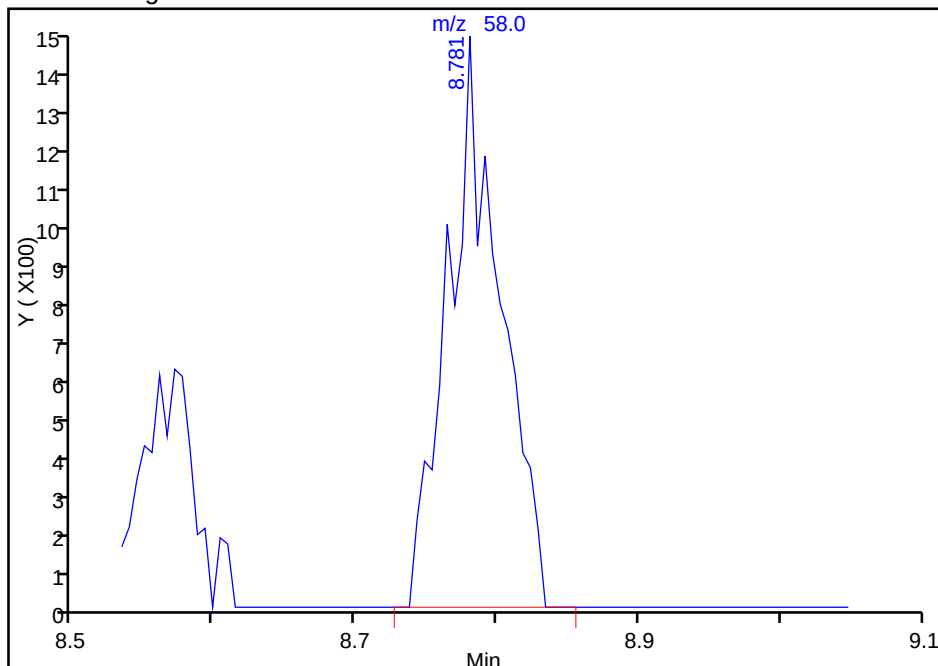
RT: 8.78
Response: 416
Amount: 0.119690

Processing Integration Results



RT: 8.78
Response: 3708
Amount: 0.289210

Manual Integration Results



Reviewer: lyonsb, 08-Jan-2014 09:13:34
Audit Action: Manually Integrated
Audit Reason: Baseline Event

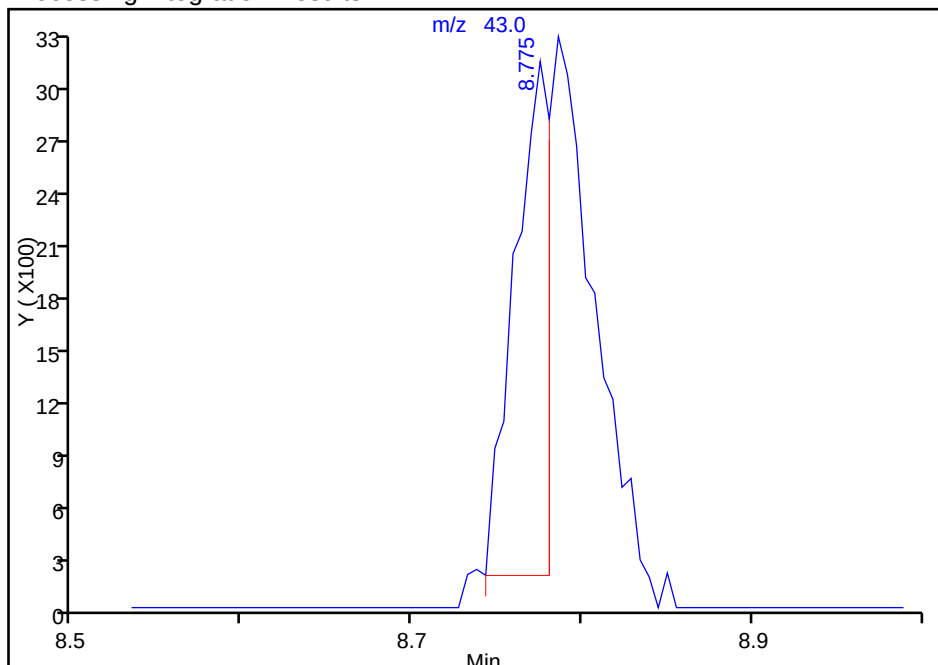
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140107-5646.b\wakq13.d		
Injection Date:	08-Jan-2014 00:22:30	Instrument ID:	CHW.i
Lims ID:	200-20209-A-9	Lab Sample ID:	200-20209-9
Client ID:	4160		
Operator ID:	wrd	ALS Bottle#:	11
Purge Vol:	200.000 mL	Dil. Factor:	0.2000
Method:	TO15v5_W	Limit Group:	AI_TO15_Limits
Column:	RTX-624 (0.32 mm)	Detector:	MS SCAN
		Worklist Smp#:	13

24 Acetone, CAS: 67-64-1

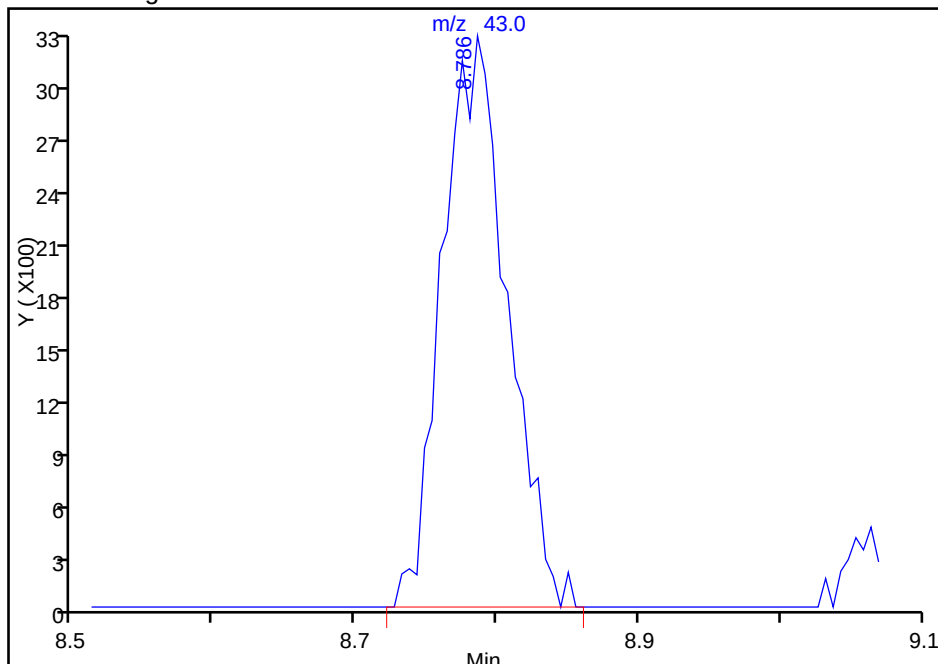
RT: 8.78
Response: 4278
Amount: 0.119690

Processing Integration Results



RT: 8.79
Response: 10337
Amount: 0.289210

Manual Integration Results



Reviewer: lyonsb, 08-Jan-2014 09:13:34
Audit Action: Manually Integrated
Audit Reason: Baseline Event

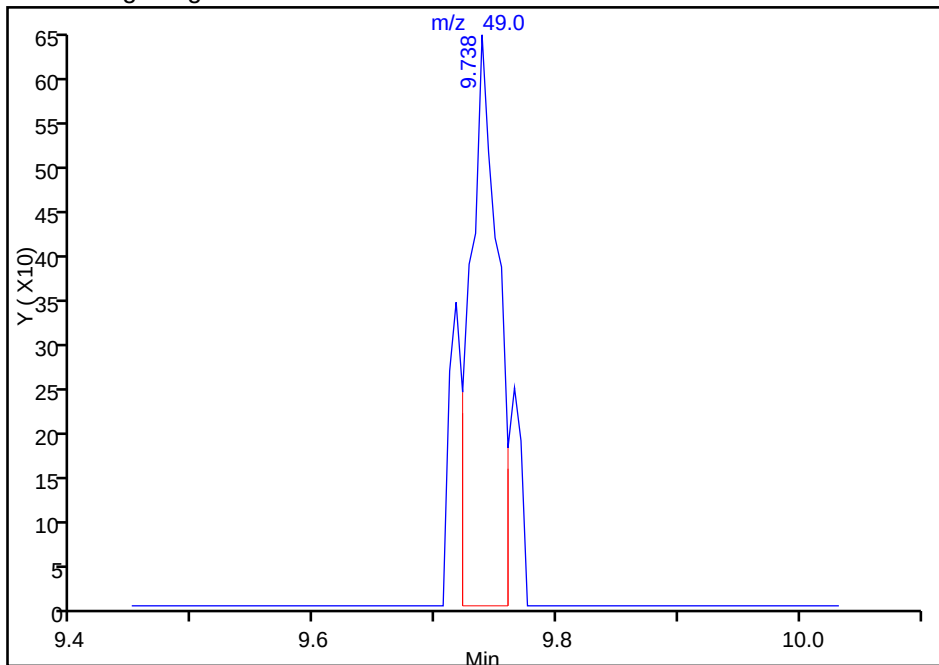
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140107-5646.b\wakq13.d		
Injection Date:	08-Jan-2014 00:22:30	Instrument ID:	CHW.i
Lims ID:	200-20209-A-9	Lab Sample ID:	200-20209-9
Client ID:	4160		
Operator ID:	wrd	ALS Bottle#:	11
Purge Vol:	200.000 mL	Dil. Factor:	0.2000
Method:	TO15v5_W	Limit Group:	AI_TO15_Limits
Column:	RTX-624 (0.32 mm)	Detector:	MS SCAN
		Worklist Smp#:	13

30 Methylene Chloride, CAS: 75-09-2

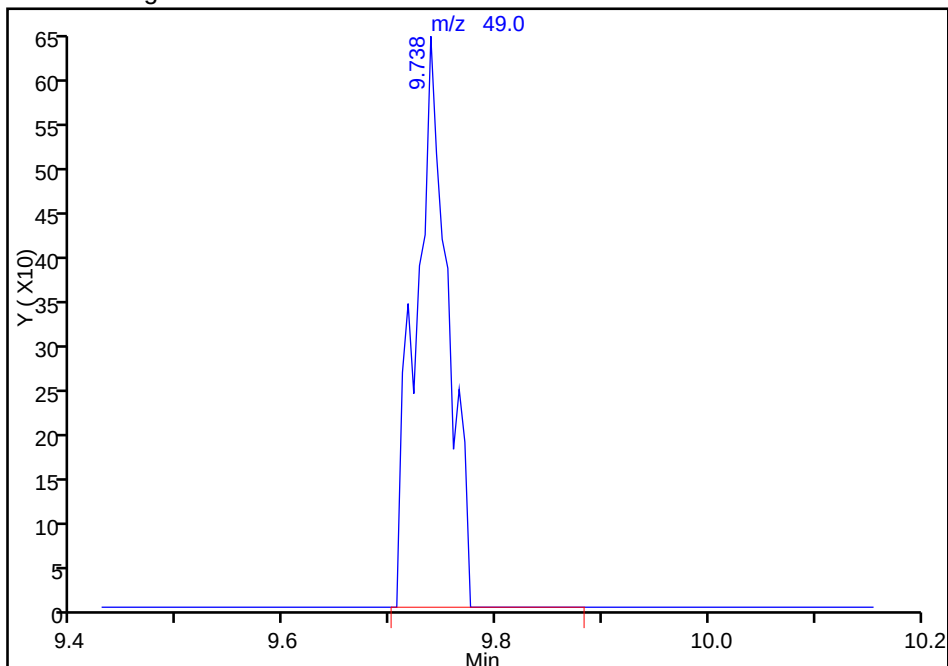
RT: 9.74
Response: 1024
Amount: 0.048385

Processing Integration Results



RT: 9.74
Response: 1360
Amount: 0.064261

Manual Integration Results



Reviewer: lyonsb, 08-Jan-2014 09:13:34
Audit Action: Manually Integrated
Audit Reason: Baseline Event

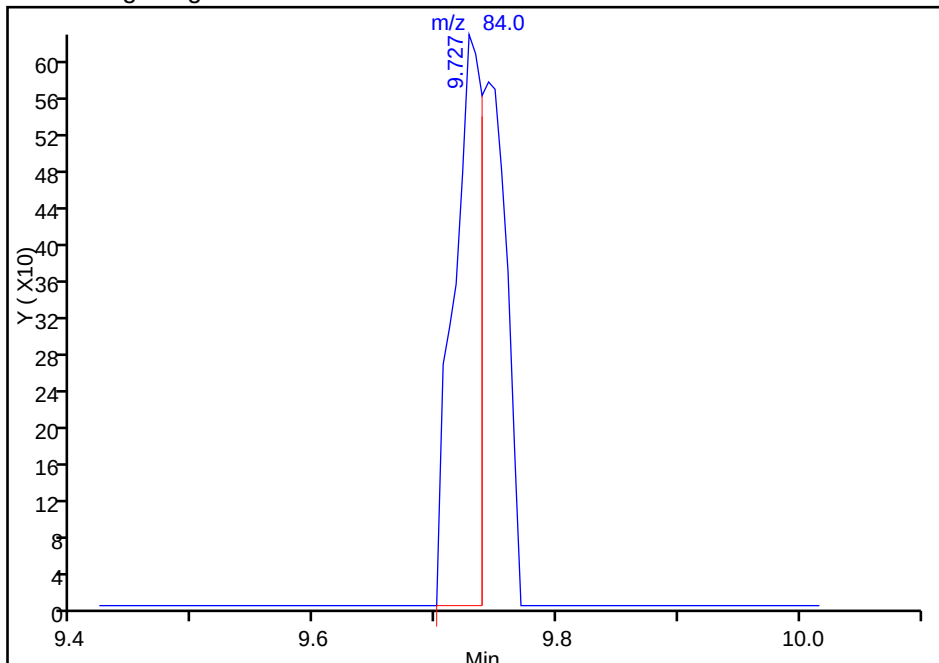
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140107-5646.b\wakq13.d		
Injection Date:	08-Jan-2014 00:22:30	Instrument ID:	CHW.i
Lims ID:	200-20209-A-9	Lab Sample ID:	200-20209-9
Client ID:	4160		
Operator ID:	wrd	ALS Bottle#:	11
Purge Vol:	200.000 mL	Dil. Factor:	0.2000
Method:	TO15v5_W	Limit Group:	AI_TO15_Limits
Column:	RTX-624 (0.32 mm)	Detector:	MS SCAN
		Worklist Smp#:	13

30 Methylene Chloride, CAS: 75-09-2

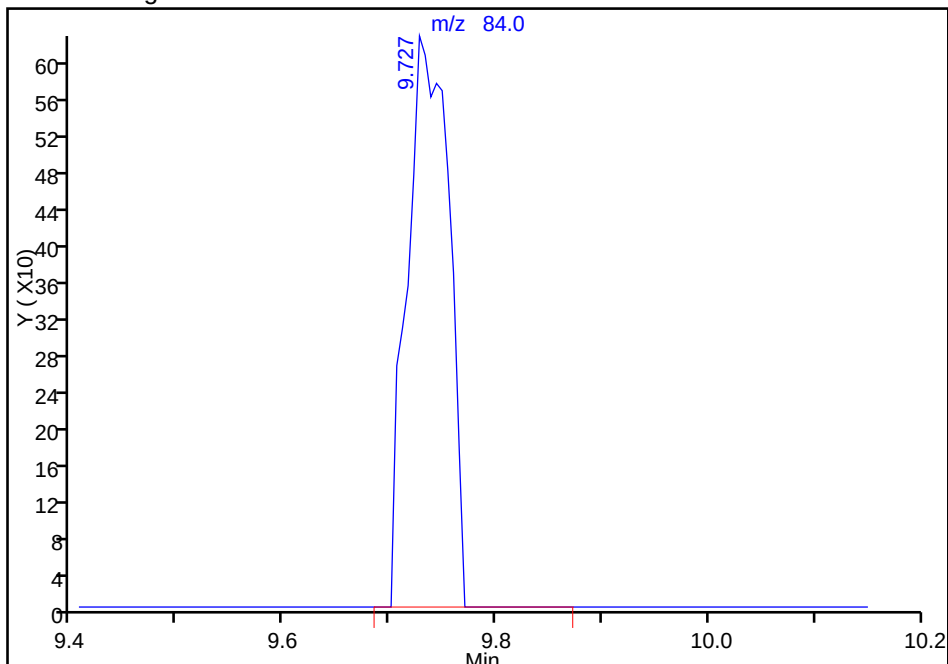
RT: 9.73
Response: 1025
Amount: 0.048385

Processing Integration Results



RT: 9.73
Response: 1718
Amount: 0.064261

Manual Integration Results



Reviewer: lyonsb, 08-Jan-2014 09:13:34
Audit Action: Manually Integrated
Audit Reason: Baseline Event

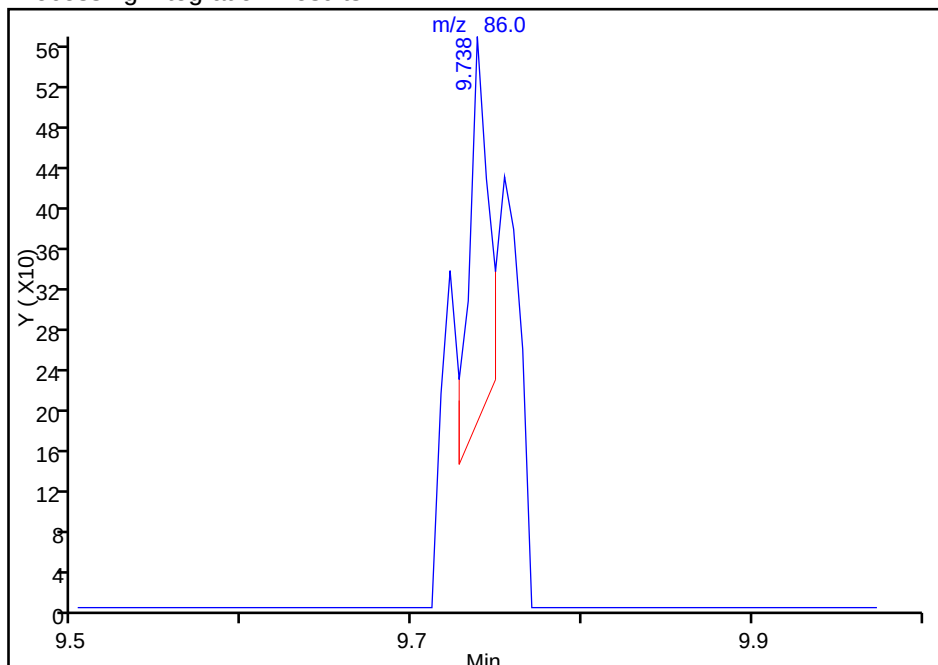
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140107-5646.b\wakq13.d		
Injection Date:	08-Jan-2014 00:22:30	Instrument ID:	CHW.i
Lims ID:	200-20209-A-9	Lab Sample ID:	200-20209-9
Client ID:	4160		
Operator ID:	wrd	ALS Bottle#:	11
Purge Vol:	200.000 mL	Dil. Factor:	0.2000
Method:	TO15v5_W	Limit Group:	AI_TO15_Limits
Column:	RTX-624 (0.32 mm)	Detector:	MS SCAN
		Worklist Smp#:	13

30 Methylene Chloride, CAS: 75-09-2

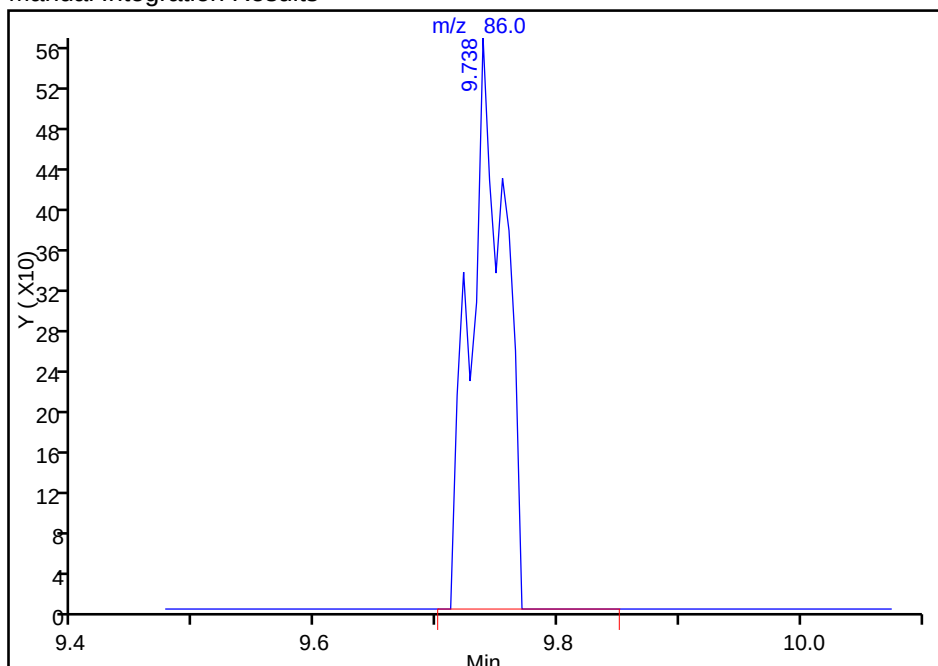
RT: 9.74
Response: 300
Amount: 0.048385

Processing Integration Results



RT: 9.74
Response: 1110
Amount: 0.064261

Manual Integration Results



Reviewer: lyonsb, 08-Jan-2014 09:13:34
Audit Action: Manually Integrated
Audit Reason: Baseline Event

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

Lab Name: TestAmerica Burlington Job No.: 200-20209-1
 SDG No.: _____
 Client Sample ID: 3668 Lab Sample ID: 200-20209-10
 Matrix: Air Lab File ID: wakql4.d
 Analysis Method: TO-15 Date Collected: 12/20/2013 00:00
 Sample wt/vol: 1000 (mL) Date Analyzed: 01/08/2014 01:28
 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.: 66889 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.: 200-20209-1
 SDG No.: _____
 Client Sample ID: 3668 Lab Sample ID: 200-20209-10
 Matrix: Air Lab File ID: wakql4.d
 Analysis Method: TO-15 Date Collected: 12/20/2013 00:00
 Sample wt/vol: 1000 (mL) Date Analyzed: 01/08/2014 01:28
 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.: 66889 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.: 200-20209-1
 SDG No.: _____
 Client Sample ID: 3668 Lab Sample ID: 200-20209-10
 Matrix: Air Lab File ID: wakq14.d
 Analysis Method: TO-15 Date Collected: 12/20/2013 00:00
 Sample wt/vol: 1000 (mL) Date Analyzed: 01/08/2014 01:28
 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.: 66889 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.040	U *	0.040	0.040
104-51-8	n-Butylbenzene	0.040	U *	0.040	0.040
95-50-1	1,2-Dichlorobenzene	0.040	U	0.040	0.040
120-82-1	1,2,4-Trichlorobenzene	0.10	U	0.10	0.10
87-68-3	Hexachlorobutadiene	0.040	U	0.040	0.040
91-20-3	Naphthalene	0.10	U *	0.10	0.10

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140107-5646.b\wakq14.d
 Lims ID: 200-20209-A-10 Lab Sample ID: 200-20209-10
 Client ID: 3668
 Sample Type: Client
 Inject. Date: 08-Jan-2014 01:28:30 ALS Bottle#: 13 Worklist Smp#: 14
 Purge Vol: 200.000 mL Dil. Factor: 0.2000
 Sample Info: 200-0005646-014
 Misc. Info.: 200-20209-A-10
 Operator ID: wrd Instrument ID: CHW.i
 Method: \\BTV-LIMS1\ChromData\CHW.i\20140107-5646.b\TO15v5_W.m
 Limit Group: AI_TO15_Limits
 Last Update: 08-Jan-2014 09:18:36 Calib Date: 12-Dec-2013 23:57:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20131212-5428.b\wak011.d
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: XAWRK022

First Level Reviewer: lyonsb

Date: 08-Jan-2014 09:14:24

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
1 Propene	41		4.378					
6 Dichlorodifluoromethane	85		4.469					
7 Chlorodifluoromethane	51		4.533					
8 1,2-Dichloro-1,1,2,2-tetrafluoro	85		4.822					
9 Chloromethane	50		5.020					
10 Butane	43		5.277					
11 Vinyl chloride	62		5.335					
12 Butadiene	54		5.437					
13 Bromomethane	94		6.304					
14 Chloroethane	64		6.598					
16 Vinyl bromide	106		7.074					
17 Trichlorofluoromethane	101		7.192					
19 Ethanol	45		7.802					
22 1,1,2-Trichloro-1,2,2-trifluoro	101		8.444					
23 1,1-Dichloroethene	96		8.513					
24 Acetone	43	8.791	8.770	0.021	67	8742	0.2243	
26 Carbon disulfide	76		9.000					
27 Isopropyl alcohol	45		9.032					
28 3-Chloro-1-propene	41		9.407					
30 Methylene Chloride	49	9.733	9.733	0.0	54	1789	0.0775	
31 2-Methyl-2-propanol	59		9.904					
S 38 1,2-Dichloroethene, Total	61		10.000					
32 Methyl tert-butyl ether	73		10.166					
33 trans-1,2-Dichloroethene	61		10.236					
35 Hexane	57	10.653	10.653	0.0	38	562	0.0137	
36 1,1-Dichloroethane	63		11.199					
37 Vinyl acetate	43		11.242					
39 cis-1,2-Dichloroethene	96		12.376					
40 2-Butanone (MEK)	72		12.392					
41 Ethyl acetate	88		12.418					
* 42 Chlorobromomethane	128	12.857	12.852	0.005	68	279636	10.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
43 Tetrahydrofuran	42		12.857					
44 Chloroform	83		12.969					
45 Cyclohexane	84		13.269					
46 1,1,1-Trichloroethane	97		13.280					
48 Carbon tetrachloride	117		13.537					
49 Isooctane	57		13.932					
50 Benzene	78		13.986					
51 1,2-Dichloroethane	62		14.146					
52 n-Heptane	43		14.280					
* 53 1,4-Difluorobenzene	114	14.745	14.745	0.0	92	1373441	10.0	
55 Trichloroethene	95		15.211					
S 63 Xylenes, Total	106		15.600					
56 1,2-Dichloropropane	63		15.735					
57 Methyl methacrylate	69		15.821					
58 1,4-Dioxane	88		15.906					
59 Dibromomethane	174		15.976					
60 Dichlorobromomethane	83		16.222					
64 cis-1,3-Dichloropropene	75		17.089					
65 4-Methyl-2-pentanone (MIBK)	43		17.324					
66 Toluene	92		17.667					
68 trans-1,3-Dichloropropene	75		18.196					
69 1,1,2-Trichloroethane	83		18.560					
70 Tetrachloroethene	166		18.699					
71 2-Hexanone	43		18.950					
72 Chlorodibromomethane	129		19.320					
73 Ethylene Dibromide	107		19.603					
* 75 Chlorobenzene-d5	117	20.448	20.448	0.0	83	1188574	10.0	
76 Chlorobenzene	112		20.507					
77 Ethylbenzene	91		20.620					
79 m-Xylene & p-Xylene	106		20.839					
80 o-Xylene	106		21.550					
81 Styrene	104		21.588					
82 Bromoform	173		21.962					
83 Isopropylbenzene	105		22.112					
* 107 4-Bromofluorobenzene	95	22.449	22.460	-0.011	0	758610	10.0	
85 1,1,2,2-Tetrachloroethane	83		22.674					
86 N-Propylbenzene	91		22.749					
84 4-Ethyltoluene	105		22.915					
89 2-Chlorotoluene	91		22.947					
90 1,3,5-Trimethylbenzene	105		23.006					
92 tert-Butylbenzene	119		23.482					
93 1,2,4-Trimethylbenzene	105		23.578					
94 sec-Butylbenzene	105		23.813					
95 4-Isopropyltoluene	119		24.017					
96 1,3-Dichlorobenzene	146		24.086					
97 1,4-Dichlorobenzene	146		24.231					
98 Benzyl chloride	91		24.439					
100 n-Butylbenzene	91		24.659					
101 1,2-Dichlorobenzene	146		24.835					
103 1,2,4-Trichlorobenzene	180		27.735					
104 Hexachlorobutadiene	225		27.938					
105 Naphthalene	128		28.323					

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
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110 BFB

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140107-5646.b\wakq14.d

Injection Date: 08-Jan-2014 01:28:30

Instrument ID: CHW.i

Operator ID: wrd

Lims ID: 200-20209-A-10

Lab Sample ID: 200-20209-10

Worklist Smp#: 14

Client ID: 3668

Purge Vol: 200.000 mL

Dil. Factor: 0.2000

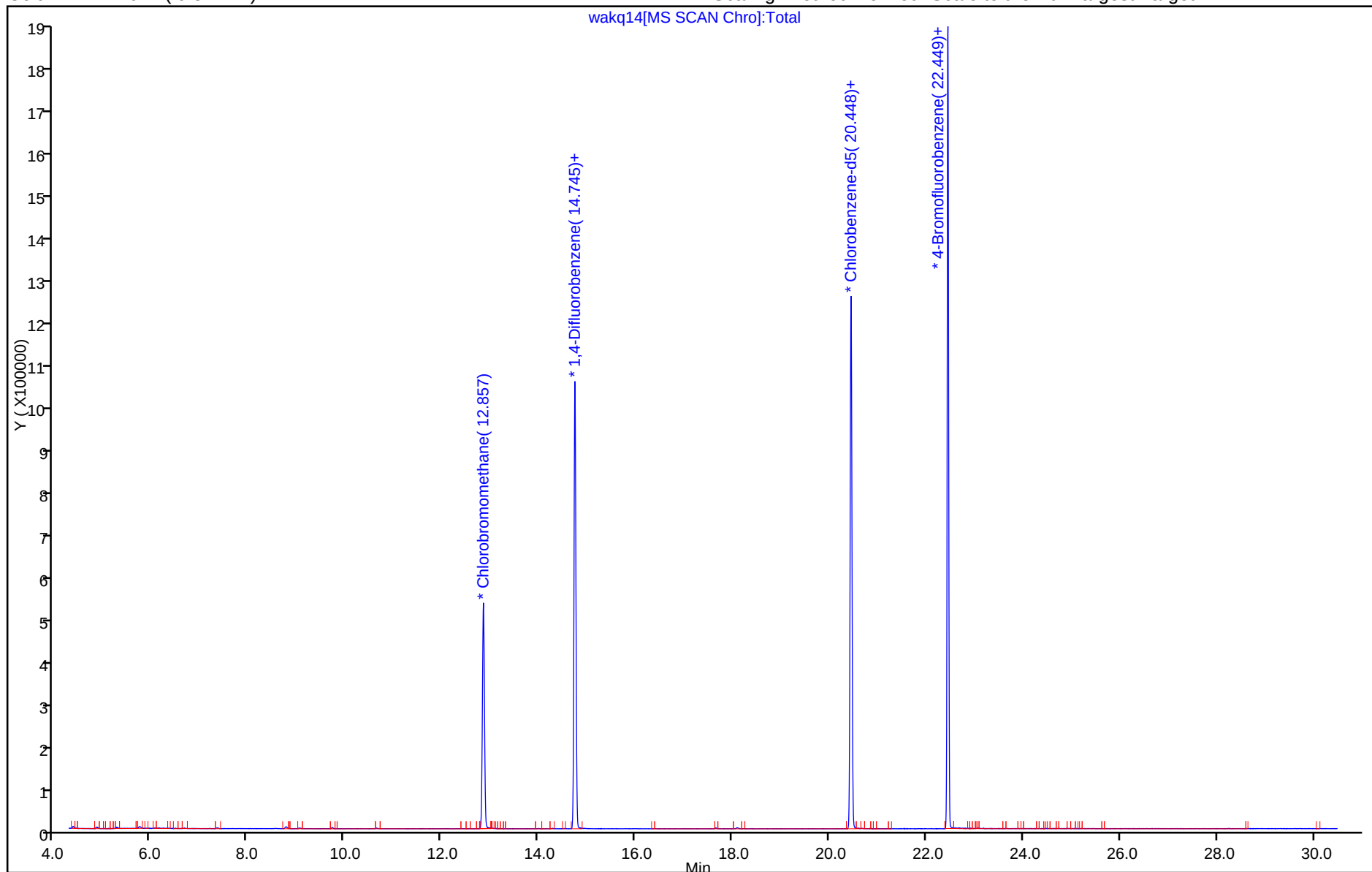
ALS Bottle#: 13

Method: TO15v5_W

Limit Group: AI_TO15_Limits

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.: 200-20209-1
 SDG No.: _____
 Client Sample ID: 4794 Lab Sample ID: 200-20209-11
 Matrix: Air Lab File ID: wakq15.d
 Analysis Method: TO-15 Date Collected: 12/20/2013 00:00
 Sample wt/vol: 1000 (mL) Date Analyzed: 01/08/2014 02:34
 Soil Aliquot Vol: _____ Dilution Factor: 0.2
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 66889 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.: 200-20209-1
 SDG No.: _____
 Client Sample ID: 4794 Lab Sample ID: 200-20209-11
 Matrix: Air Lab File ID: wakq15.d
 Analysis Method: TO-15 Date Collected: 12/20/2013 00:00
 Sample wt/vol: 1000 (mL) Date Analyzed: 01/08/2014 02:34
 Soil Aliquot Vol: _____ Dilution Factor: 0.2
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 66889 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.: 200-20209-1
 SDG No.: _____
 Client Sample ID: 4794 Lab Sample ID: 200-20209-11
 Matrix: Air Lab File ID: wakq15.d
 Analysis Method: TO-15 Date Collected: 12/20/2013 00:00
 Sample wt/vol: 1000 (mL) Date Analyzed: 01/08/2014 02:34
 Soil Aliquot Vol: _____ Dilution Factor: 0.2
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 66889 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.040	U *	0.040	0.040
104-51-8	n-Butylbenzene	0.040	U *	0.040	0.040
95-50-1	1,2-Dichlorobenzene	0.040	U	0.040	0.040
120-82-1	1,2,4-Trichlorobenzene	0.10	U	0.10	0.10
87-68-3	Hexachlorobutadiene	0.040	U	0.040	0.040
91-20-3	Naphthalene	0.10	U *	0.10	0.10

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140107-5646.b\wakq15.d
 Lims ID: 200-20209-A-11 Lab Sample ID: 200-20209-11
 Client ID: 4794
 Sample Type: Client
 Inject. Date: 08-Jan-2014 02:34:30 ALS Bottle#: 14 Worklist Smp#: 15
 Purge Vol: 200.000 mL Dil. Factor: 0.2000
 Sample Info: 200-0005646-015
 Misc. Info.: 200-20209-A-11
 Operator ID: wrd Instrument ID: CHW.i
 Method: \\BTV-LIMS1\ChromData\CHW.i\20140107-5646.b\TO15v5_W.m
 Limit Group: AI_TO15_Limits
 Last Update: 08-Jan-2014 09:18:36 Calib Date: 12-Dec-2013 23:57:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20131212-5428.b\wak011.d
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: XAWRK022

First Level Reviewer: lyonsb

Date: 08-Jan-2014 09:15:16

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
1 Propene	41		4.378					
6 Dichlorodifluoromethane	85		4.469					
7 Chlorodifluoromethane	51		4.533					
8 1,2-Dichloro-1,1,2,2-tetrafluoro	85		4.822					
9 Chloromethane	50		5.020					
10 Butane	43		5.277					
11 Vinyl chloride	62		5.335					
12 Butadiene	54		5.437					
13 Bromomethane	94		6.304					
14 Chloroethane	64		6.598					
16 Vinyl bromide	106		7.074					
17 Trichlorofluoromethane	101		7.192					
19 Ethanol	45		7.802					
22 1,1,2-Trichloro-1,2,2-trifluoroe	101		8.444					
23 1,1-Dichloroethene	96		8.513					
24 Acetone	43	8.781	8.770	0.011	68	14880	0.3933	M
26 Carbon disulfide	76		9.000					
27 Isopropyl alcohol	45		9.032					
28 3-Chloro-1-propene	41		9.407					
30 Methylene Chloride	49		9.733					
31 2-Methyl-2-propanol	59		9.904					
S 38 1,2-Dichloroethene, Total	61		10.000					
32 Methyl tert-butyl ether	73		10.166					
33 trans-1,2-Dichloroethene	61		10.236					
35 Hexane	57		10.653					
36 1,1-Dichloroethane	63		11.199					
37 Vinyl acetate	43		11.242					
39 cis-1,2-Dichloroethene	96		12.376					
40 2-Butanone (MEK)	72		12.392					
41 Ethyl acetate	88		12.418					
* 42 Chlorobromomethane	128	12.857	12.852	0.005	68	271429	10.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
43 Tetrahydrofuran	42		12.857					
44 Chloroform	83		12.969					
45 Cyclohexane	84		13.269					
46 1,1,1-Trichloroethane	97		13.280					
48 Carbon tetrachloride	117		13.537					
49 Isooctane	57		13.932					
50 Benzene	78		13.986					
51 1,2-Dichloroethane	62		14.146					
52 n-Heptane	43		14.280					
* 53 1,4-Difluorobenzene	114	14.745	14.745	0.0	92	1300844	10.0	
55 Trichloroethene	95		15.211					
S 63 Xylenes, Total	106		15.600					
56 1,2-Dichloropropane	63		15.735					
57 Methyl methacrylate	69		15.821					
58 1,4-Dioxane	88		15.906					
59 Dibromomethane	174		15.976					
60 Dichlorobromomethane	83		16.222					
64 cis-1,3-Dichloropropene	75		17.089					
65 4-Methyl-2-pentanone (MIBK)	43		17.324					
66 Toluene	92		17.667					
68 trans-1,3-Dichloropropene	75		18.196					
69 1,1,2-Trichloroethane	83		18.560					
70 Tetrachloroethene	166		18.699					
71 2-Hexanone	43		18.950					
72 Chlorodibromomethane	129		19.320					
73 Ethylene Dibromide	107		19.603					
* 75 Chlorobenzene-d5	117	20.448	20.448	0.0	83	1129595	10.0	
76 Chlorobenzene	112		20.507					
77 Ethylbenzene	91		20.620					
79 m-Xylene & p-Xylene	106		20.839					
80 o-Xylene	106		21.550					
81 Styrene	104		21.588					
82 Bromoform	173		21.962					
83 Isopropylbenzene	105		22.112					
* 107 4-Bromofluorobenzene	95	22.449	22.460	-0.011	0	721517	10.0	
85 1,1,2,2-Tetrachloroethane	83		22.674					
86 N-Propylbenzene	91		22.749					
84 4-Ethyltoluene	105		22.915					
89 2-Chlorotoluene	91		22.947					
90 1,3,5-Trimethylbenzene	105		23.006					
92 tert-Butylbenzene	119		23.482					
93 1,2,4-Trimethylbenzene	105		23.578					
94 sec-Butylbenzene	105		23.813					
95 4-Isopropyltoluene	119		24.017					
96 1,3-Dichlorobenzene	146		24.086					
97 1,4-Dichlorobenzene	146		24.231					
98 Benzyl chloride	91		24.439					
100 n-Butylbenzene	91		24.659					
101 1,2-Dichlorobenzene	146		24.835					
103 1,2,4-Trichlorobenzene	180		27.735					
104 Hexachlorobutadiene	225		27.938					
105 Naphthalene	128		28.323					

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
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110 BFB

QC Flag Legend

Review Flags

M - Manually Integrated

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140107-5646.b\wakq15.d

Injection Date: 08-Jan-2014 02:34:30

Instrument ID: CHW.i

Operator ID: wrd

Lims ID: 200-20209-A-11

Lab Sample ID: 200-20209-11

Worklist Smp#: 15

Client ID: 4794

Purge Vol: 200.000 mL

Dil. Factor: 0.2000

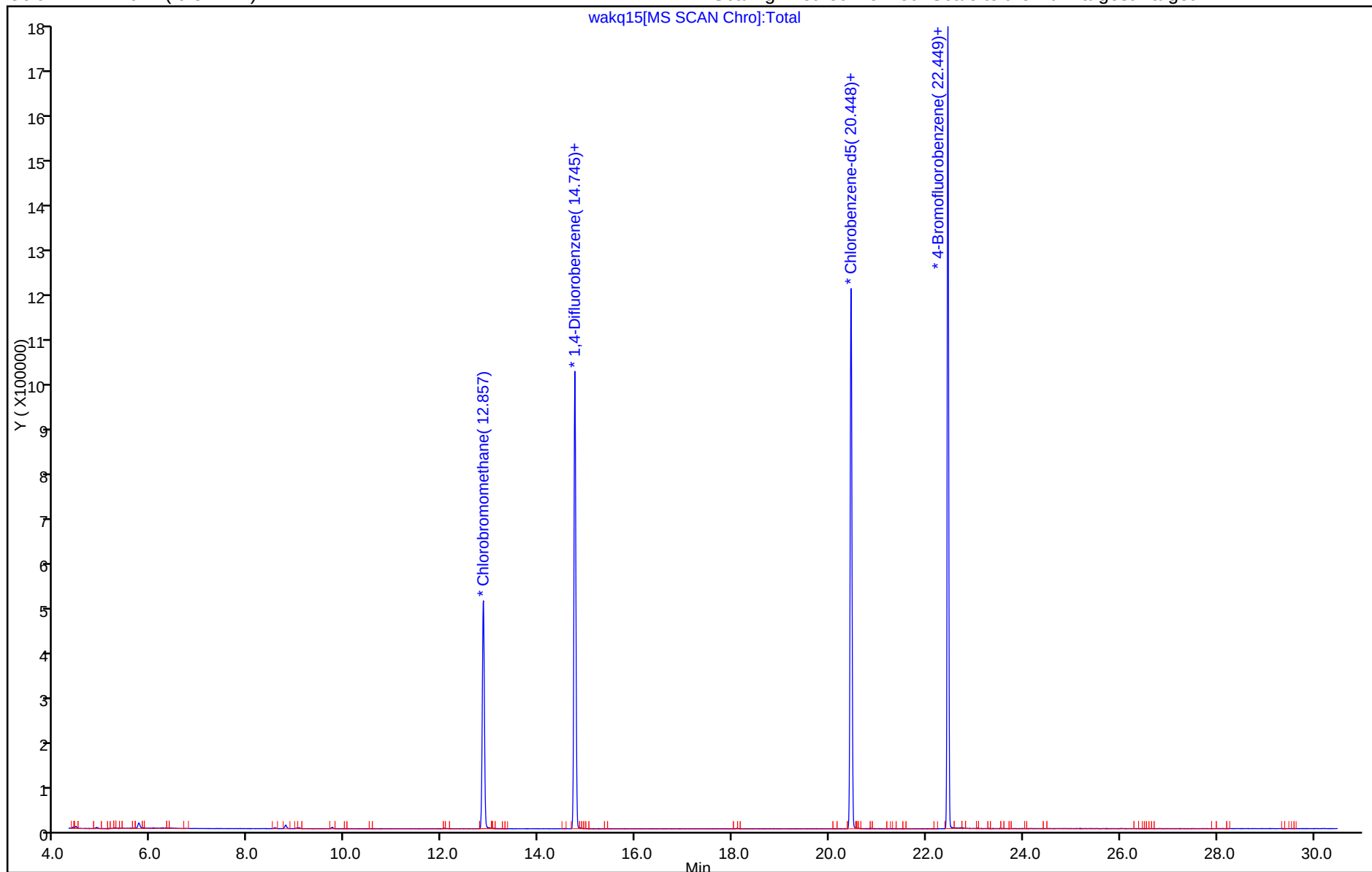
ALS Bottle#: 14

Method: TO15v5_W

Limit Group: AI_TO15_Limits

Column: RTX-624 (0.32 mm)

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



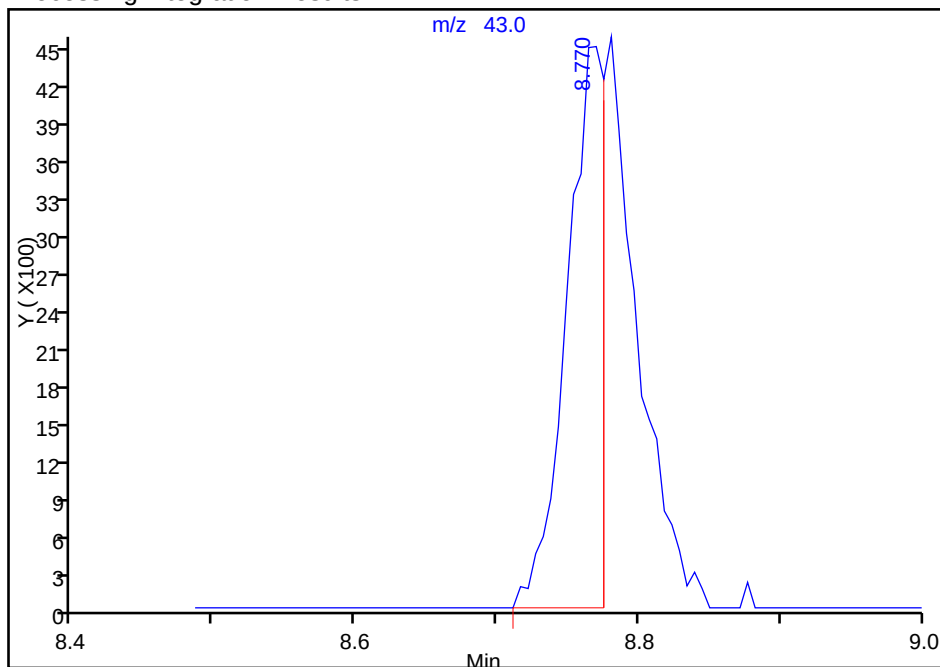
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CHW.i\20140107-5646.b\wakq15.d		
Injection Date:	08-Jan-2014 02:34:30	Instrument ID:	CHW.i
Lims ID:	200-20209-A-11	Lab Sample ID:	200-20209-11
Client ID:	4794		
Operator ID:	wrd	ALS Bottle#:	14
Purge Vol:	200.000 mL	Dil. Factor:	0.2000
Method:	TO15v5_W	Limit Group:	AI_TO15_Limits
Column:	RTX-624 (0.32 mm)	Detector:	MS SCAN
		Worklist Smp#:	15

24 Acetone, CAS: 67-64-1

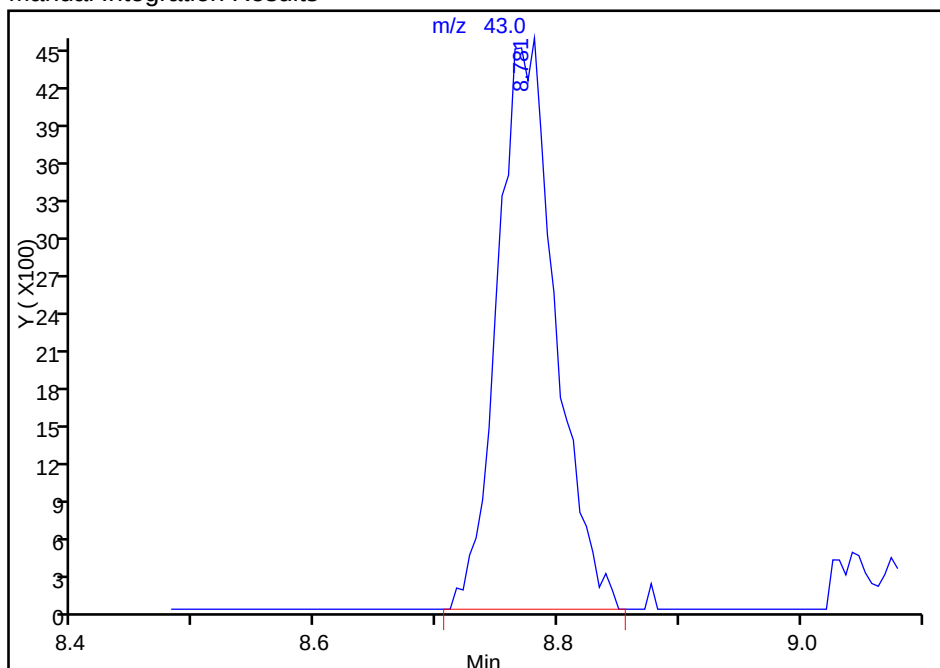
RT: 8.77
Response: 8237
Amount: 0.217722

Processing Integration Results



RT: 8.78
Response: 14880
Amount: 0.393311

Manual Integration Results



Reviewer: lyonsb, 08-Jan-2014 09:15:16
Audit Action: Manually Integrated
Audit Reason: Baseline Event

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

Lab Name: TestAmerica Burlington Job No.: 200-20209-1
 SDG No.: _____
 Client Sample ID: 3573 Lab Sample ID: 200-20209-12
 Matrix: Air Lab File ID: wakql6.d
 Analysis Method: TO-15 Date Collected: 12/20/2013 00:00
 Sample wt/vol: 1000 (mL) Date Analyzed: 01/08/2014 03:41
 Soil Aliquot Vol: _____ Dilution Factor: 0.2
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 66889 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.: 200-20209-1
 SDG No.: _____
 Client Sample ID: 3573 Lab Sample ID: 200-20209-12
 Matrix: Air Lab File ID: wakql6.d
 Analysis Method: TO-15 Date Collected: 12/20/2013 00:00
 Sample wt/vol: 1000 (mL) Date Analyzed: 01/08/2014 03:41
 Soil Aliquot Vol: _____ Dilution Factor: 0.2
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 66889 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.: 200-20209-1
SDG No.: _____
Client Sample ID: 3573 Lab Sample ID: 200-20209-12
Matrix: Air Lab File ID: wakq16.d
Analysis Method: TO-15 Date Collected: 12/20/2013 00:00
Sample wt/vol: 1000 (mL) Date Analyzed: 01/08/2014 03:41
Soil Aliquot Vol: _____ Dilution Factor: 0.2
Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 66889 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.040	U *	0.040	0.040
104-51-8	n-Butylbenzene	0.040	U *	0.040	0.040
95-50-1	1,2-Dichlorobenzene	0.040	U	0.040	0.040
120-82-1	1,2,4-Trichlorobenzene	0.10	U	0.10	0.10
87-68-3	Hexachlorobutadiene	0.040	U	0.040	0.040
91-20-3	Naphthalene	0.10	U *	0.10	0.10

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140107-5646.b\wakq16.d
 Lims ID: 200-20209-A-12 Lab Sample ID: 200-20209-12
 Client ID: 3573
 Sample Type: Client
 Inject. Date: 08-Jan-2014 03:41:30 ALS Bottle#: 15 Worklist Smp#: 16
 Purge Vol: 200.000 mL Dil. Factor: 0.2000
 Sample Info: 200-0005646-016
 Misc. Info.: 200-20209-A-12
 Operator ID: wrd Instrument ID: CHW.i
 Method: \\BTV-LIMS1\ChromData\CHW.i\20140107-5646.b\TO15v5_W.m
 Limit Group: AI_TO15_Limits
 Last Update: 08-Jan-2014 09:18:36 Calib Date: 12-Dec-2013 23:57:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20131212-5428.b\wak011.d
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: XAWRK022

First Level Reviewer: lyonsb

Date: 08-Jan-2014 09:15:52

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
1 Propene	41		4.378					
6 Dichlorodifluoromethane	85		4.469					
7 Chlorodifluoromethane	51		4.533					
8 1,2-Dichloro-1,1,2,2-tetrafluoro	85		4.822					
9 Chloromethane	50		5.020					
10 Butane	43		5.277					
11 Vinyl chloride	62		5.335					
12 Butadiene	54		5.437					
13 Bromomethane	94		6.304					
14 Chloroethane	64		6.598					
16 Vinyl bromide	106		7.074					
17 Trichlorofluoromethane	101		7.192					
19 Ethanol	45		7.802					
22 1,1,2-Trichloro-1,2,2-trifluoro	101		8.444					
23 1,1-Dichloroethene	96		8.513					
24 Acetone	43	8.775	8.770	0.005	72	8278	0.2443	
26 Carbon disulfide	76		9.000					
27 Isopropyl alcohol	45		9.032					
28 3-Chloro-1-propene	41		9.407					
30 Methylene Chloride	49		9.733					
31 2-Methyl-2-propanol	59		9.904					
S 38 1,2-Dichloroethene, Total	61		10.000					
32 Methyl tert-butyl ether	73		10.166					
33 trans-1,2-Dichloroethene	61		10.236					
35 Hexane	57		10.653					
36 1,1-Dichloroethane	63		11.199					
37 Vinyl acetate	43		11.242					
39 cis-1,2-Dichloroethene	96		12.376					
40 2-Butanone (MEK)	72		12.392					
41 Ethyl acetate	88		12.418					
* 42 Chlorobromomethane	128	12.852	12.852	0.0	68	243142	10.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
43 Tetrahydrofuran	42		12.857					
44 Chloroform	83		12.969					
45 Cyclohexane	84		13.269					
46 1,1,1-Trichloroethane	97		13.280					
48 Carbon tetrachloride	117		13.537					
49 Isooctane	57		13.932					
50 Benzene	78		13.986					
51 1,2-Dichloroethane	62		14.146					
52 n-Heptane	43		14.280					
* 53 1,4-Difluorobenzene	114	14.745	14.745	0.0	92	1167029	10.0	
55 Trichloroethene	95		15.211					
S 63 Xylenes, Total	106		15.600					
56 1,2-Dichloropropane	63		15.735					
57 Methyl methacrylate	69		15.821					
58 1,4-Dioxane	88		15.906					
59 Dibromomethane	174		15.976					
60 Dichlorobromomethane	83		16.222					
64 cis-1,3-Dichloropropene	75		17.089					
65 4-Methyl-2-pentanone (MIBK)	43		17.324					
66 Toluene	92		17.667					
68 trans-1,3-Dichloropropene	75		18.196					
69 1,1,2-Trichloroethane	83		18.560					
70 Tetrachloroethene	166		18.699					
71 2-Hexanone	43		18.950					
72 Chlorodibromomethane	129		19.320					
73 Ethylene Dibromide	107		19.603					
* 75 Chlorobenzene-d5	117	20.448	20.448	0.0	83	1015309	10.0	
76 Chlorobenzene	112		20.507					
77 Ethylbenzene	91		20.620					
79 m-Xylene & p-Xylene	106		20.839					
80 o-Xylene	106		21.550					
81 Styrene	104		21.588					
82 Bromoform	173		21.962					
83 Isopropylbenzene	105		22.112					
* 107 4-Bromofluorobenzene	95	22.449	22.460	-0.011	0	638079	10.0	
85 1,1,2,2-Tetrachloroethane	83		22.674					
86 N-Propylbenzene	91		22.749					
84 4-Ethyltoluene	105		22.915					
89 2-Chlorotoluene	91		22.947					
90 1,3,5-Trimethylbenzene	105		23.006					
92 tert-Butylbenzene	119		23.482					
93 1,2,4-Trimethylbenzene	105		23.578					
94 sec-Butylbenzene	105		23.813					
95 4-Isopropyltoluene	119		24.017					
96 1,3-Dichlorobenzene	146		24.086					
97 1,4-Dichlorobenzene	146		24.231					
98 Benzyl chloride	91		24.439					
100 n-Butylbenzene	91		24.659					
101 1,2-Dichlorobenzene	146		24.835					
103 1,2,4-Trichlorobenzene	180		27.735					
104 Hexachlorobutadiene	225		27.938					
105 Naphthalene	128		28.323					

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ppb v/v	Flags
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110 BFB

Report Date: 08-Jan-2014 09:18:37

Chrom Revision: 2.1 06-Dec-2013 12:55:10

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140107-5646.b\wakq16.d

Injection Date: 08-Jan-2014 03:41:30

Instrument ID: CHW.i

Operator ID: wrd

Lims ID: 200-20209-A-12

Lab Sample ID: 200-20209-12

Worklist Smp#: 16

Client ID: 3573

Purge Vol: 200.000 mL

Dil. Factor: 0.2000

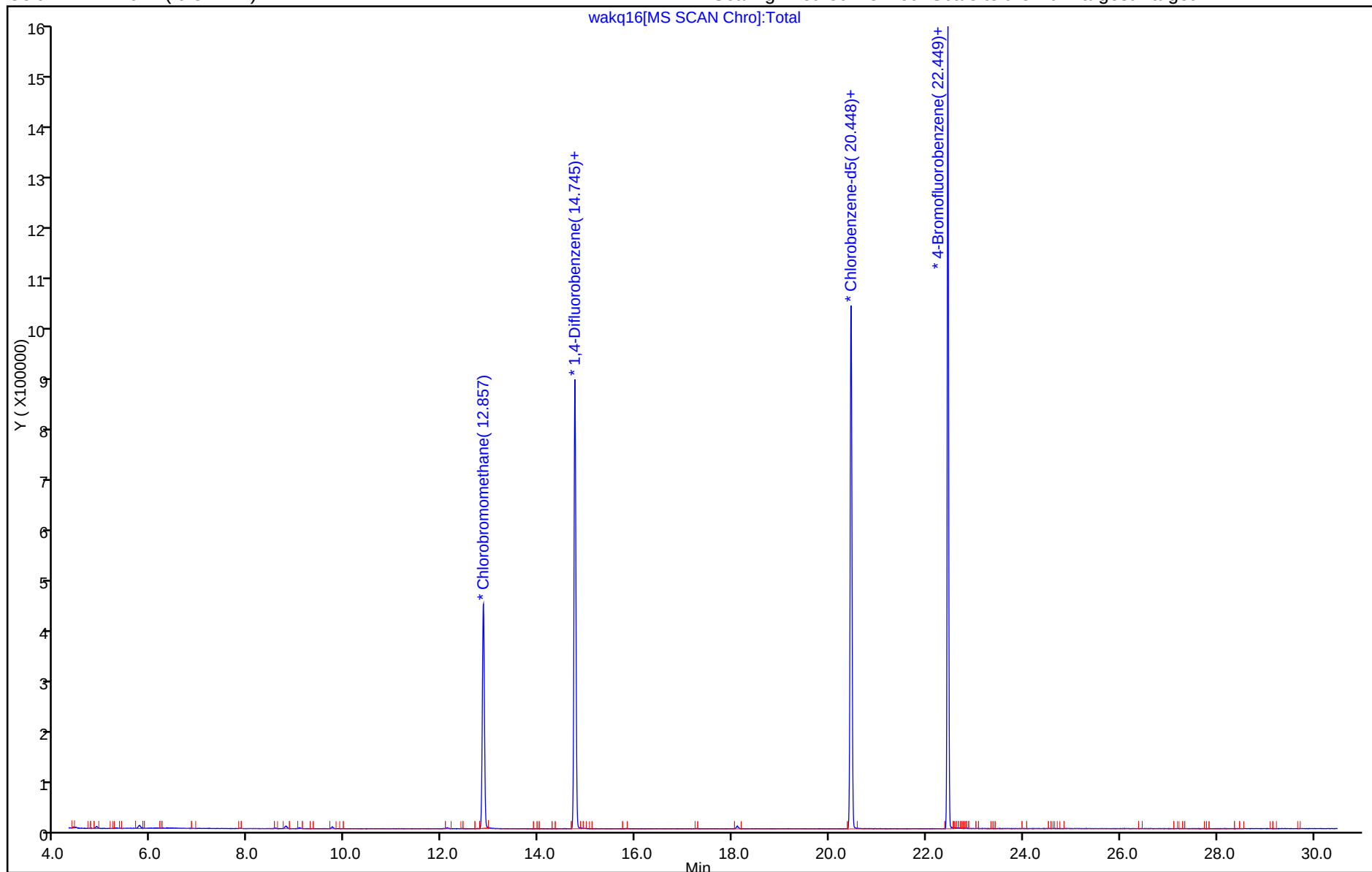
ALS Bottle#: 15

Method: TO15v5_W

Limit Group: AI_TO15_Limits

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.: 200-20311-1
 SDG No.: _____
 Client Sample ID: 4087 Lab Sample ID: 200-20311-8
 Matrix: Air Lab File ID: cmac026.d
 Analysis Method: TO-15 Date Collected: 01/03/2014 00:00
 Sample wt/vol: 1000 (mL) Date Analyzed: 01/10/2014 07:03
 Soil Aliquot Vol: _____ Dilution Factor: 0.2
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 67026 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.: 200-20311-1
 SDG No.: _____
 Client Sample ID: 4087 Lab Sample ID: 200-20311-8
 Matrix: Air Lab File ID: cmac026.d
 Analysis Method: TO-15 Date Collected: 01/03/2014 00:00
 Sample wt/vol: 1000 (mL) Date Analyzed: 01/10/2014 07:03
 Soil Aliquot Vol: _____ Dilution Factor: 0.2
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 67026 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.: 200-20311-1
 SDG No.: _____
 Client Sample ID: 4087 Lab Sample ID: 200-20311-8
 Matrix: Air Lab File ID: cmac026.d
 Analysis Method: TO-15 Date Collected: 01/03/2014 00:00
 Sample wt/vol: 1000 (mL) Date Analyzed: 01/10/2014 07:03
 Soil Aliquot Vol: _____ Dilution Factor: 0.2
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 67026 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

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Data File: /chem/C.i/Csvr.p/cmactto15.b/cmac026.d
Report Date: 10-Jan-2014 11:08

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TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Lab Sample Id: 200-20311-8
Client Smp ID: 4087
Inj Date : 10-JAN-2014 07:03
Operator : pad
Smp Info : 200-20311-A-8
Misc Info : 1000,0.2,all74+mn
Comment :
Method : /chem/C.i/Csvr.p/cmactto15.b/to15v5.m
Meth Date : 10-Jan-2014 11:06 pd
Cal Date : 03-JAN-2014 15:48
Als bottle: 10
Dil Factor: 0.20000
Integrator: HP RTE
Target Version: 3.50
Processing Host: chemsvr6

Inst ID: C.i

Quant Type: ISTD
Cal File: cma010.d

Compound Sublist: all74+MN.sub

Concentration Formula: $\text{Amt} * \text{DF} * \text{Uf} * (\text{Vo}/\text{Vo}) * (\text{Vf}/\text{Vf}) * \text{CpndVariable}$

Name	Value	Description
DF	0.20000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	1000.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable

Local Compound Variable

Compounds	QUANT SIG	CONCENTRATIONS					
		RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
=====	=====	==	=====	=====	=====	=====	=====
1 Propene	41				Compound Not Detected.		
2 Dichlorodifluoromethane	85				Compound Not Detected.		
3 Chlorodifluoromethane	51				Compound Not Detected.		
4 1,2-Dichloro-1,1,2,2-tetraflu	85				Compound Not Detected.		
5 Chloromethane	50				Compound Not Detected.		
6 Butane	43				Compound Not Detected.		
7 Vinyl chloride	62				Compound Not Detected.		
8 1,3-Butadiene	54				Compound Not Detected.		
9 Bromomethane	94				Compound Not Detected.		
10 Chloroethane	64				Compound Not Detected.		
12 Vinyl bromide	106				Compound Not Detected.		
13 Trichlorofluoromethane	101				Compound Not Detected.		
15 Ethanol	45				Compound Not Detected.		
17 1,1,2-Trichloro-1,2,2-trifluo	101				Compound Not Detected.		

Data File: /chem/C.i/Csvr.p/cmacto15.b/cmac026.d
Report Date: 10-Jan-2014 11:08

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Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
=====	=====	==	=====	=====	=====	=====	=====
19 1,1-Dichloroethene	96		Compound	Not Detected.			
20 Acetone	43		Compound	Not Detected.			
21 Carbon disulfide	76		Compound	Not Detected.			
22 Isopropanol	45		Compound	Not Detected.			
23 Allyl chloride	41		Compound	Not Detected.			
25 Methylene chloride	49	7.910	7.915	(0.724)	1319	0.07465	0.015(a)
26 Tert-butyl alcohol	59		Compound	Not Detected.			
27 Methyl tert-butyl ether	73		Compound	Not Detected.			
28 1,2-Dichloroethene (trans)	61		Compound	Not Detected.			
30 n-Hexane	57		Compound	Not Detected.			
31 1,1-Dichloroethane	63		Compound	Not Detected.			
32 Vinyl acetate	43		Compound	Not Detected.			
M 33 1,2-Dichloroethene, Total	61		Compound	Not Detected.			
34 1,2-Dichloroethene (cis)	96		Compound	Not Detected.			
35 Ethyl acetate	88		Compound	Not Detected.			
36 Methyl Ethyl Ketone	72		Compound	Not Detected.			
* 37 Bromochloromethane	128	10.930	10.936	(1.000)	525321	10.0000	
38 Tetrahydrofuran	42		Compound	Not Detected.			
39 Chloroform	83		Compound	Not Detected.			
40 Cyclohexane	84		Compound	Not Detected.			
41 1,1,1-Trichloroethane	97		Compound	Not Detected.			
42 Carbon tetrachloride	117		Compound	Not Detected.			
43 2,2,4-Trimethylpentane	57		Compound	Not Detected.			
44 Benzene	78		Compound	Not Detected.			
45 1,2-Dichloroethane	62		Compound	Not Detected.			
46 n-Heptane	43		Compound	Not Detected.			
* 47 1,4-Difluorobenzene	114	13.001	13.006	(1.000)	2945343	10.0000	
49 Trichloroethene	95		Compound	Not Detected.			
50 1,2-Dichloropropane	63		Compound	Not Detected.			
51 Methyl methacrylate	69		Compound	Not Detected.			
53 1,4-Dioxane	88		Compound	Not Detected.			
54 Bromodichloromethane	83		Compound	Not Detected.			
55 1,3-Dichloropropene (cis)	75		Compound	Not Detected.			
56 Methyl isobutyl ketone	43		Compound	Not Detected.			
58 Toluene	92		Compound	Not Detected.			
59 1,3-Dichloropropene (trans)	75		Compound	Not Detected.			
60 1,1,2-Trichloroethane	83		Compound	Not Detected.			
61 Tetrachloroethene	166		Compound	Not Detected.			
62 2-Hexanone	43		Compound	Not Detected.			
63 Dibromochloromethane	129		Compound	Not Detected.			
64 1,2-Dibromoethane	107		Compound	Not Detected.			
* 65 Chlorobenzene-d5	117	19.144	19.149	(1.000)	2698831	10.0000	
66 Chlorobenzene	112		Compound	Not Detected.			
68 Ethylbenzene	91		Compound	Not Detected.			
69 Xylene (m,p)	106		Compound	Not Detected.			
M 70 Xylenes, Total	106		Compound	Not Detected.			
71 Xylene (o)	106		Compound	Not Detected.			

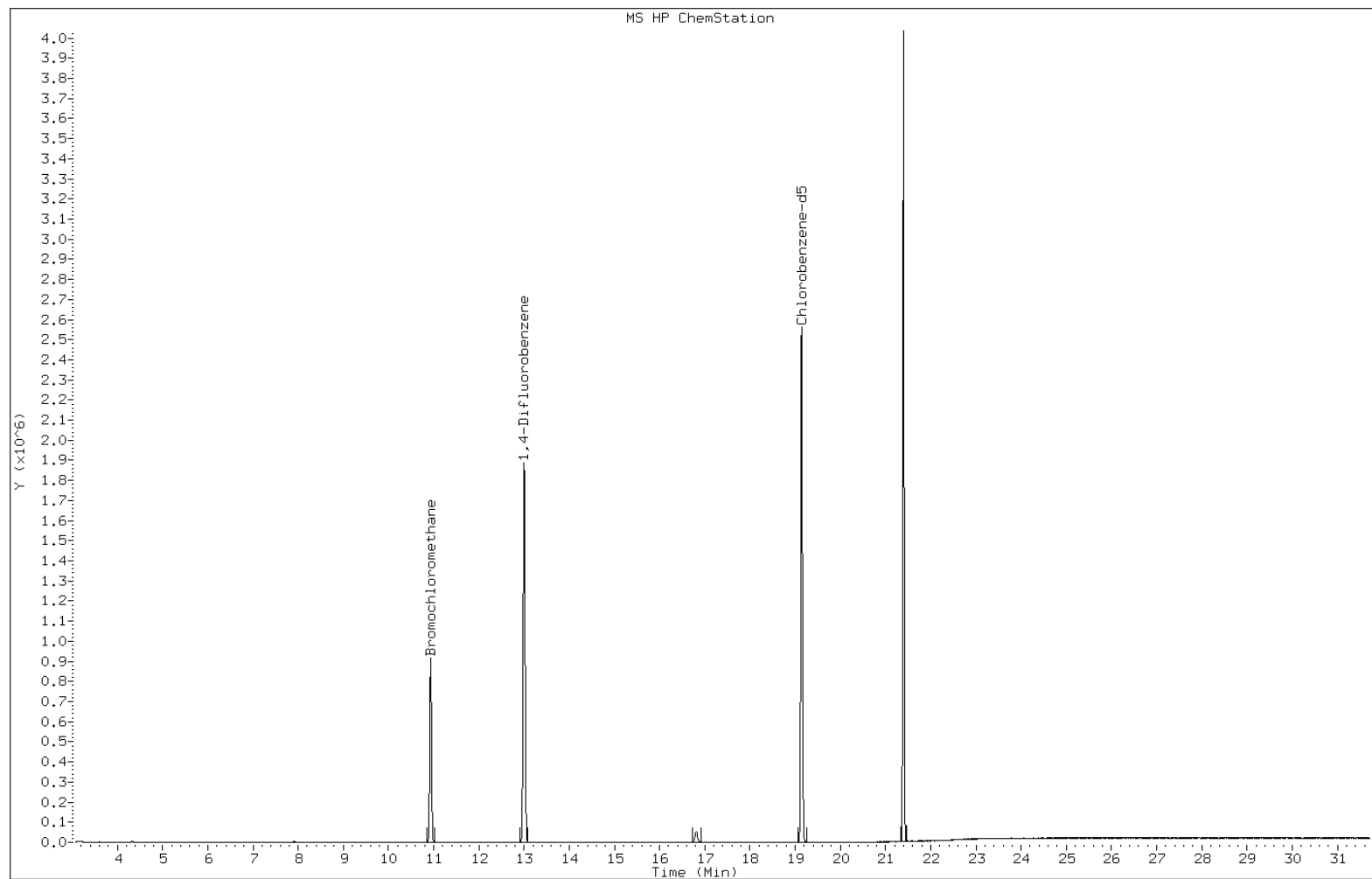
Compounds	QUANT SIG	RT	EXP	RT	REL	RT	RESPONSE	CONCENTRATIONS	
								ON-COLUMN	FINAL
	MASS							(ppb v/v)	(ppb v/v)
=====	=====	==	=====	=====	=====	=====	=====	=====	=====
72 Styrene	104		Compound	Not	Detected.				
73 Bromoform	173		Compound	Not	Detected.				
74 Isopropylbenzene	105		Compound	Not	Detected.				
75 1,1,2,2-Tetrachloroethane	83		Compound	Not	Detected.				
76 n-Propylbenzene	91		Compound	Not	Detected.				
79 4-Ethyltoluene	105		Compound	Not	Detected.				
80 2-Chlorotoluene	91		Compound	Not	Detected.				
81 1,3,5-Trimethylbenzene	105		Compound	Not	Detected.				
83 tert-butylbenzene	119		Compound	Not	Detected.				
84 1,2,4-Trimethylbenzene	105		Compound	Not	Detected.				
85 sec-Butylbenzene	105		Compound	Not	Detected.				
86 4-Isopropyltoluene	119		Compound	Not	Detected.				
87 1,3-Dichlorobenzene	146		Compound	Not	Detected.				
88 1,4-Dichlorobenzene	146		Compound	Not	Detected.				
89 Benzyl chloride	91		Compound	Not	Detected.				
91 n-Butylbenzene	91		Compound	Not	Detected.				
92 1,2-Dichlorobenzene	146		Compound	Not	Detected.				
94 1,2,4-Trichlorobenzene	180		Compound	Not	Detected.				
95 1,3-Hexachlorobutadiene	225		Compound	Not	Detected.				
96 Naphthalene	128		Compound	Not	Detected.				

QC Flag Legend

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

Data File: cmac026.d
Client ID: 4087
Operator: pad
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: 200-20311-A-8
Lab Sample ID: 200-20311-8

Date: 10-JAN-2014 07:03
Instrument: C.i
Inj Vol: 200.0
Diameter: 0.32



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

Lab Name: TestAmerica Burlington Job No.: 200-20356-1
 SDG No.: _____
 Client Sample ID: 4209 Lab Sample ID: 200-20356-2
 Matrix: Air Lab File ID: blfe022.d
 Analysis Method: TO-15 Date Collected: 01/07/2014 00:00
 Sample wt/vol: 1000 (mL) Date Analyzed: 01/09/2014 04:23
 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.: 66965 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.: 200-20356-1
 SDG No.: _____
 Client Sample ID: 4209 Lab Sample ID: 200-20356-2
 Matrix: Air Lab File ID: blfe022.d
 Analysis Method: TO-15 Date Collected: 01/07/2014 00:00
 Sample wt/vol: 1000 (mL) Date Analyzed: 01/09/2014 04:23
 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.: 66965 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.: 200-20356-1
 SDG No.: _____
 Client Sample ID: 4209 Lab Sample ID: 200-20356-2
 Matrix: Air Lab File ID: blfe022.d
 Analysis Method: TO-15 Date Collected: 01/07/2014 00:00
 Sample wt/vol: 1000 (mL) Date Analyzed: 01/09/2014 04:23
 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.: 66965 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

Data File: /chem/B.i/Bsvr.p/blfeto15.b/blfe022.d
Report Date: 09-Jan-2014 10:09

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TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Lab Sample Id: 200-20356-2
Client Smp ID: 4209
Inj Date : 09-JAN-2014 04:23
Operator : pad
Smp Info : 200-20356-A-2
Misc Info : 1000,0.2, all74+MN
Comment :
Method : /chem/B.i/Bsvr.p/blfeto15.b/to15v5.m
Meth Date : 09-Jan-2014 10:08 lyonsb
Cal Date : 31-DEC-2013 01:33
Als bottle: 5
Dil Factor: 0.20000
Integrator: HP RTE
Target Version: 3.50
Processing Host: chemsvr6

Inst ID: B.i
Quant Type: ISTD
Cal File: blf015.d
Compound Sublist: all74+MN.sub

Concentration Formula: $\text{Amt} * \text{DF} * \text{Uf} * (\text{Vo}/\text{Vo}) * (\text{Vf}/\text{Vf}) * \text{CpndVariable}$

Name	Value	Description
DF	0.20000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	1000.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable

Local Compound Variable

Compounds	MASS	RT	EXP	RT	REL	RT	RESPONSE	CONCENTRATIONS	
								ON-COLUMN	FINAL
								(ppb v/v)	(ppb v/v)
1 Propene	41						Compound Not Detected.		
2 Dichlorodifluoromethane	85						Compound Not Detected.		
3 Chlorodifluoromethane	51						Compound Not Detected.		
4 1,2-Dichloro-1,1,2,2-tetraflu	85						Compound Not Detected.		
5 Chloromethane	50						Compound Not Detected.		
6 Butane	43						Compound Not Detected.		
7 Vinyl chloride	62						Compound Not Detected.		
8 1,3-Butadiene	54						Compound Not Detected.		
9 Bromomethane	94						Compound Not Detected.		
10 Chloroethane	64						Compound Not Detected.		
12 Vinyl bromide	106						Compound Not Detected.		
13 Trichlorofluoromethane	101						Compound Not Detected.		
15 Ethanol	45						Compound Not Detected.		
17 1,1,2-Trichloro-1,2,2-trifluo	101						Compound Not Detected.		

Data File: /chem/B.i/Bsvr.p/blfeto15.b/blfe022.d
Report Date: 09-Jan-2014 10:09

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Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
=====	=====	==	=====	=====	=====	=====	=====
19 1,1-Dichloroethene	96		Compound	Not Detected.			
20 Acetone	43		Compound	Not Detected.			
21 Carbon disulfide	76		Compound	Not Detected.			
22 Isopropanol	45		Compound	Not Detected.			
23 Allyl chloride	41		Compound	Not Detected.			
25 Methylene chloride	49	7.557	7.563	(0.756)	2355	0.06386	0.013(a)
26 Tert-butyl alcohol	59		Compound	Not Detected.			
27 Methyl tert-butyl ether	73		Compound	Not Detected.			
28 1,2-Dichloroethene (trans)	61		Compound	Not Detected.			
30 n-Hexane	57		Compound	Not Detected.			
31 1,1-Dichloroethane	63		Compound	Not Detected.			
32 Vinyl acetate	43		Compound	Not Detected.			
M 33 1,2-Dichloroethene, Total	61		Compound	Not Detected.			
34 1,2-Dichloroethene (cis)	96		Compound	Not Detected.			
35 Ethyl acetate	88		Compound	Not Detected.			
36 Methyl Ethyl Ketone	72		Compound	Not Detected.			
* 37 Bromochloromethane	128	10.002	10.012	(1.000)	301733	10.0000	
38 Tetrahydrofuran	42		Compound	Not Detected.			
39 Chloroform	83		Compound	Not Detected.			
40 Cyclohexane	84		Compound	Not Detected.			
41 1,1,1-Trichloroethane	97		Compound	Not Detected.			
42 Carbon tetrachloride	117		Compound	Not Detected.			
43 2,2,4-Trimethylpentane	57		Compound	Not Detected.			
44 Benzene	78		Compound	Not Detected.			
45 1,2-Dichloroethane	62		Compound	Not Detected.			
46 n-Heptane	43		Compound	Not Detected.			
* 47 1,4-Difluorobenzene	114	11.405	11.411	(1.000)	1512370	10.0000	
49 Trichloroethene	95		Compound	Not Detected.			
50 1,2-Dichloropropane	63		Compound	Not Detected.			
51 Methyl methacrylate	69		Compound	Not Detected.			
53 1,4-Dioxane	88		Compound	Not Detected.			
54 Bromodichloromethane	83		Compound	Not Detected.			
55 1,3-Dichloropropene (cis)	75		Compound	Not Detected.			
56 Methyl isobutyl ketone	43		Compound	Not Detected.			
58 Toluene	92		Compound	Not Detected.			
59 1,3-Dichloropropene (trans)	75		Compound	Not Detected.			
60 1,1,2-Trichloroethane	83		Compound	Not Detected.			
61 Tetrachloroethene	166		Compound	Not Detected.			
62 2-Hexanone	43		Compound	Not Detected.			
63 Dibromochloromethane	129		Compound	Not Detected.			
64 1,2-Dibromoethane	107		Compound	Not Detected.			
* 65 Chlorobenzene-d5	117	15.488	15.493	(1.000)	1351474	10.0000	
66 Chlorobenzene	112		Compound	Not Detected.			
68 Ethylbenzene	91		Compound	Not Detected.			
69 Xylene (m,p)	106		Compound	Not Detected.			
M 70 Xylenes, Total	106		Compound	Not Detected.			
71 Xylene (o)	106		Compound	Not Detected.			

Compounds	QUANT SIG	RT	EXP	RT	REL	RT	RESPONSE	CONCENTRATIONS	
								ON-COLUMN	FINAL
	MASS							(ppb v/v)	(ppb v/v)
=====	=====	==	=====	=====	=====	=====	=====	=====	=====
72 Styrene	104		Compound	Not	Detected.				
73 Bromoform	173		Compound	Not	Detected.				
74 Isopropylbenzene	105		Compound	Not	Detected.				
75 1,1,2,2-Tetrachloroethane	83		Compound	Not	Detected.				
76 n-Propylbenzene	91		Compound	Not	Detected.				
79 4-Ethyltoluene	105		Compound	Not	Detected.				
80 2-Chlorotoluene	91		Compound	Not	Detected.				
81 1,3,5-Trimethylbenzene	105		Compound	Not	Detected.				
83 tert-butylbenzene	119		Compound	Not	Detected.				
84 1,2,4-Trimethylbenzene	105		Compound	Not	Detected.				
85 sec-Butylbenzene	105		Compound	Not	Detected.				
86 4-Isopropyltoluene	119		Compound	Not	Detected.				
87 1,3-Dichlorobenzene	146		Compound	Not	Detected.				
88 1,4-Dichlorobenzene	146		Compound	Not	Detected.				
89 Benzyl chloride	91		Compound	Not	Detected.				
91 n-Butylbenzene	91		Compound	Not	Detected.				
92 1,2-Dichlorobenzene	146		Compound	Not	Detected.				
94 1,2,4-Trichlorobenzene	180		Compound	Not	Detected.				
95 1,3-Hexachlorobutadiene	225		Compound	Not	Detected.				
96 Naphthalene	128		Compound	Not	Detected.				

QC Flag Legend

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

Data File: blfe022.d
Client ID: 4209
Operator: pad
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: 200-20356-A-2
Lab Sample ID: 200-20356-2

Date: 09-JAN-2014 04:23
Instrument: B.i
Inj Vol: 200.0
Diameter: 0.32

