

January 25, 2010

**ACTIVE SUB SLAB VENT SYSTEM
INTERIM REMEDIAL MEASURE
CONSTRUCTION COMPLETION REPORT**

**Oceanside Plaza
Oceanside, New York**

Prepared for:

**OCEANSIDE PLAZA ASSOCIATES, LLC
Lawrence, New York**

Remedial Engineering, P.C.
Environmental Engineers

and ROUX ASSOCIATES, INC.

209 Shafter Street, Islandia, New York 11749 ♦ 631-232-2600

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1.0 INTRODUCTION

Remedial Engineering, P.C. (Remedial Engineering) and Roux Associates, Inc. (Roux Associates) have prepared this Interim Remedial Measure Construction Completion Report (IRM CCR) on behalf of Oceanside Plaza Associates, LLC (Oceanside Plaza Associates) to document the Active Sub Slab Vent System (SSVS) IRM activities that have occurred at the Oceanside Plaza Shopping Center, centered at the location of the Jef El dry cleaners facility, located at 3181 Long Beach Road, Oceanside, New York (Site). A Site Location Map is provided in Figure 1. A Remedial Investigation (RI) is currently being conducted at the Site under the New York State Department of Environmental Conservation (NYSDEC) Brownfield Cleanup Program (BCP). Investigation activities are being completed in accordance with the Remedial Investigation Work Plan (RIWP) dated May 2007. This RIWP was approved by the NYSDEC in their letter dated June 20, 2007. The installation of an active SSVS (i.e., the subject of this CCR) was implemented as an IRM under the ongoing RI. Construction associated with the SSVS IRM was completed on July 27, 2009, and the SSVS has been operational since July 30, 2009.

The SSVS IRM activities were performed in accordance with the NYSDEC-approved Revised Active Sub Slab Vent System IRM Work Plan (IRM Work Plan) prepared by Remedial Engineering and Roux Associates dated September 18, 2008 (Appendix A). This Active SSVS IRM Work Plan was approved by the NYSDEC in their letter dated December 23, 2008. This IRM CCR describes the installation and monitoring of the SSVS at the Site. In addition to the Active SSVS IRM implemented by Roux Associates, Reliance Environmental, Inc. (Reliance Environmental) has implemented a soil excavation IRM behind the Site. Reliance Environmental is preparing a separate CCR to document soil excavation activities. Additionally, Reliance Environmental is also preparing a Remedial Investigation (RI) Report to document all investigation activities conducted as part of the RI.

This CCR is organized as follows:

- Section 2.0 — Summary of the Site Background;
- Section 3.0 — Summary of the Sub-Slab Vent System Installation and Monitoring; and
- Section 4.0 — Engineers Certification.

2.0 SUMMARY OF SITE BACKGROUND

Roux Associates previously completed a soil vapor investigation at the Site as a component of the RI activities. The soil vapor investigation included work in the Jef El dry cleaner, the book store located immediately south of the Jef El dry cleaner (Chapter One Books, Inc.), and in the former vacuum repair store located immediately north of the Jef El dry cleaner (currently the Vino 100 wine store). The stores are slab-on-grade construction (i.e., no basements). In November 2007, Roux Associates installed five permanent sub slab vapor monitoring points (three within the Jef El dry cleaner facility, one in Chapter One Books, Inc., and one in what is currently the Vino 100 wine store) and the installation of one permanent sub surface soil vapor monitoring point located at the fence line behind the Jef El dry cleaner (i.e., beyond the footprint of the dry cleaner building). The locations of the permanent sub slab vapor monitoring points and the permanent sub surface soil vapor monitoring point are presented in Figure 2.

In December 2007, Roux Associates completed vapor sampling activities at the Site. This included the collection of vapor samples for laboratory analysis from all five sub slab monitoring points, the sub surface soil vapor monitoring point, as well as the collection of indoor air samples from within Chapter One Books, Inc. and what is currently the Vino 100 wine store (this store was vacant at the time of sample collection in December 2007), and an ambient outdoor air sample. Vapor samples were collected using 6-liter Summa canisters over a sampling period of 8 hours. Vapor samples were submitted for analysis for the following list of chlorinated volatile organic compounds (cVOCs): vinyl chloride, 1,1-dichloroethene, trans-1,2-dichloroethene, cis-1,2-dichloroethene, trichloroethene (TCE), and tetrachloroethene (PCE) using United States Environmental Protection Agency (USEPA) Method TO-15. Analytical laboratory data reports are provided electronically on CD in Appendix B. A Data Usability Summary Report (DUSR) was prepared by Data Validation Services (an independent data validator) and is included in Appendix C. The validated results of these samples are provided in Table 1.

As shown in Table 1, the results of the December 2007 sampling indicated that elevated concentrations of cVOCs, primarily PCE, were present at the Site. Specifically, PCE was detected at a maximum concentration of 120,000 micrograms per cubic meter ($\mu\text{g}/\text{m}^3$) in sub slab vapor beneath the Jef El dry cleaner (located near the machine room, as show in Figure 2). In addition, PCE was detected at 8,100 $\mu\text{g}/\text{m}^3$ and 18,000 $\mu\text{g}/\text{m}^3$ in sub slab vapor beneath Chapter One

Books, Inc. and the former vacuum store (currently the Vino 100 wine store), respectively. PCE was also detected in indoor air in Chapter One Books, Inc. ($88 \mu\text{g}/\text{m}^3$) and the former vacuum store (Vino 100 Wine Store) ($2.6 \mu\text{g}/\text{m}^3$). In addition to PCE, TCE was also detected in soil vapor beneath the Jef El dry cleaner and in the indoor air sample collected from Chapter One Books, Inc.; however, concentrations were significantly lower than the PCE concentrations detected.

The only compound detected in the sub surface soil vapor sample (VS-FENCE) located behind the Jef El dry cleaner was PCE at a concentration of $240 \mu\text{g}/\text{m}^3$. All compounds were non-detect in the ambient air sample and field blank sample collected.

2.1 Sub-Slab Venting Pilot Study

Based on the soil vapor investigation results, Roux Associates conducted a sub-slab venting pilot study on February 14, 2008 utilizing the existing sub-slab piping. A temporary blower (1.5 Hp regenerative blower) was brought to the Site and connected to the existing sub-slab piping. The existing sub-slab piping was installed in January 2006 following the excavation of soil beneath the Jef El dry cleaner. The sub-slab piping consists of polyvinyl chloride (PVC) 2 inches in diameter, and 10.5 feet in length. The screen is set horizontally within the previous excavation, at a depth of approximately 18 inches below the slab. A 2-inch diameter, solid PVC riser pipe was connected to the screen, and extends above the concrete slab along the southern wall of the Jef El dry cleaner, acting as an access port to the screen. The excavation has since been backfilled with pea-gravel and sand, and the concrete slab has been restored. The location of this sub-slab piping is shown on Figure 2.

Vacuum response readings were collected from the existing permanent sub-slab monitoring points located in the Jef El dry cleaner, the former vacuum store (current Vino 100 wine store), and the Chapter One Books, Inc. store. In addition, photoionization detector (PID) readings were taken from the sub-slab monitoring points in the Jef El dry cleaner during the pilot study.

2.1.1 Sub-Slab Venting Pilot Study Results

The extracted soil gas flow rate was approximately 100 cubic feet per minute (cfm) at a vacuum of 18 inches of water column (in. of w.c.) for a period of approximately 1.5 hours. Induced vacuum influence was detected in sub-slab monitoring points VS-DCR, VS-Vac, VS-Book, and VS-MRE

(vacuum response was not detected in V-DCF). The vacuum response measured in the closest sub-slab monitoring point (approximately 6 feet from the sub-slab piping), VS-MRE, was 0.8 in. of w.c. Vacuum influence was also detected in sub-slab monitoring points located in the former vacuum store (VS-Vac [approximately 10 feet from the sub-slab piping]) and in the Chapter One Books, Inc. store (VS-Book [approximately 11 feet from the sub-slab piping]) at 0.3 in. of w.c. and 0.08 in. of w.c, respectively.

The PID measurement prior to the start of the pilot study in VS-MRE was 120 parts per million by volume (ppmv). During the pilot study, the PID readings measured in VS-MRE were 0.0 ppmv. The effluent air from the temporary pilot study blower was also sampled. The results indicated that PCE and TCE were detected in the air stream. The PCE concentration detected was 9.37 ppmv and the TCE concentration was 0.0146 ppmv.

3.0 SUMMARY OF SUB-SLAB VENT SYSTEM INSTALLATION AND MONITORING

As part of the NYSDEC-approved SSVS IRM Work Plan, an active sub-slab vent system has been installed at the Jef El dry cleaner by converting the existing sub-slab piping to an active system. A 4.0-Hp blower was connected to the existing sub-slab piping via 4-inch diameter Schedule 40 PVC pipe as shown on Figure 3. The blower horsepower design was selected to ensure that an acceptable influence would be imparted under the entire dry cleaner store including the VS-DCF monitoring point location in the front of the store furthest from the sub-slab piping. The blower was installed on the roof of the dry cleaning facility. The blower is housed in a weather tight enclosure. A knock-out tank was also installed to prevent water from being drawn into the blower. The knock-out tank has a high level switch to shutdown the blower if the knock-out tank fills with water. The discharge from the blower was connected to a vapor phase carbon drum and away from any roof air intakes. The blower and vapor-phase carbon drum cut sheets are provided in Appendix D. The SSVS installation was completed on July 27, 2009. Photograph of the installed SSVS are provided in Appendix E.

The SSVS was started on July 30, 2009. A vacuum of approximately 2 in. w.c. was measured at the blower inlet (dilution valve 100% open). The vacuum readings measured at the five sub-slab monitoring points during start-up are as follows:

- VS-DCF (front of dry cleaner store) = 0.8 in. of w.c.
- VS-MRE (middle of dry cleaner store) = 1.7 in. of w.c.
- VS-DCR (rear of dry cleaner store) = 0.4 in. of w.c.
- VS-Book (inside bookstore) = 0.5 in. of w.c.
- VS-Vac (inside wine store) = 1.3 in. of w.c.
- VS-Fence (exterior soil vapor point behind dry cleaner) = 0.4 in of w.c.

The system inspection and startup testing demonstrated that the SSVS is performing as designed and is providing adequate sub-slab vacuum.

On September 2, 2009 an additional round of vacuum measurements were collected. The vacuum readings are as follows:

- VS-DCF (front of dry cleaner store) = 1.5 in. of w.c.
- VS-MRE (middle of dry cleaner store) = 4.4 in. of w.c.
- VS-DCR (rear of dry cleaner store) = 2.2 in. of w.c.
- VS-Book (inside bookstore) = 1.6 in. of w.c.
- VS-Vac (inside wine store) = 2.9 in. of w.c.
- VS-Fence (exterior soil vapor point behind dry cleaner) = 1.2 in of w.c.

Based on this data collected on September 2, 2009, the estimated SSVS radius of influence was calculated to be 54 feet. Figure 4 depicts the estimated SSVS radius of influence, as measured on September 2, 2009.

3.1 Performance Monitoring

Following startup, a technician has monitored the system on a regular basis (every other week) to ensure the SSVS was operating. This monitoring has consisted of the collection of PID measurements and vacuum response measurements at all permanent monitoring points, and any required routine maintenance of the system.

In addition to the monitoring described above, vapor samples were collected for laboratory analysis on September 2 and 4, 2009 and again on October 28, 2009 to confirm that the system is adequately attenuating the VOCs in the subsurface vapor and indoor air.

3.1.1 September 2009 Performance Monitoring Event

On September 2 and 4, 2009, a vapor sample was collected from the permanent sub-slab monitoring point (VS-MRE) located adjacent to the sub-slab piping in the Jef El dry cleaner. In addition, an indoor air sample was collected from inside Chapter One Books, Inc. and one indoor air sample was collected from inside the Vino 100 wine store. One outdoor ambient air sample was also collected. The same sampling procedures utilized during the December 2007 sampling event were followed. As mentioned above, vacuum response readings were also measured on September 2, 2009 prior to system shutdown for the collection of the one sub-slab vapor sample.

PCE was detected at a concentration of 500 $\mu\text{g}/\text{m}^3$ in the indoor air inside the Chapter One Book Store and at a concentration of 880 $\mu\text{g}/\text{m}^3$ in the indoor air inside the Vino 100 wine store. The outdoor ambient air sample was non-detect for cVOCs. The PCE concentration was 37 $\mu\text{g}/\text{m}^3$ in the sub-slab monitoring point (VS-MRE). The samples were collected over the course of 8 hours.

Following the sampling event, it was determined that an exhaust fan located in the dry cleaner store was not operating on September 2, 2009 (the day the indoor air samples were collected). The purpose of this fan is to vent vapors generated in the dry cleaner store as a result of routine dry cleaner operations to the outside. Since this fan was not operating, the vapors generated during routine operation in the dry cleaner store appear to have accumulated in the Chapter One Book Store and the Vino 100 wine store. It is believed that this was the source of the elevated PCE identified in both indoor air samples collected on September 2, 2009. This exhaust fan was repaired on September 25, 2009.

3.1.2 October 2009 Performance Monitoring Event

On October 28, 2009, additional indoor air samples were collected from inside the Chapter One Book Store and Vino 100 wine store to determine if the faulty exhaust fan had contributed to the PCE detected in the indoor air samples. The PCE concentration that was detected in the Chapter One Book Store was 11 $\mu\text{g}/\text{m}^3$ (sample IAQ-Book), and 7.5 $\mu\text{g}/\text{m}^3$ was detected in the Vino 100 wine store (sample IAQ-VAC). These concentrations are much lower than those concentrations observed in indoor air samples collected on September 2, 2009.

In addition to the indoor air samples, sub-slab vapor samples were collected from the point adjacent to the sub-slab piping (VS-MRE), the point in the front of the dry cleaner store (VS-DCF), the point in the rear of the dry cleaner (VS-DCR), and at the sub-slab monitoring points in the Chapter One Book Store (VS-BOOK) and the Vino 100 wine store (VS-VAC). The PCE concentrations in sub-slab monitoring points were as follows: VS-MRE was 2.5 $\mu\text{g}/\text{m}^3$, VS-VS-DCF was 2.2 $\mu\text{g}/\text{m}^3$, VS-DCR was 2.9 $\mu\text{g}/\text{m}^3$, VS-BOOK was 2.5 $\mu\text{g}/\text{m}^3$, and VS-VAC was 2.4 $\mu\text{g}/\text{m}^3$. Additionally, TCE was detected only in sample VS-MRE (located adjacent to the sub-slab piping) at a concentration of 15 $\mu\text{g}/\text{m}^3$.

The September and October 2009 performance monitoring results indicate that the SSVS has been effective at mitigating the soil vapor beneath the concrete slab of the dry cleaner and the two adjacent stores. As observed during the October 2009 sampling event, sub slab vapor concentrations of PCE were below that of their corresponding indoor air samples, indicating that subsurface vapor is not the source of the low levels of PCE detected in indoor air. The low level concentrations of PCE in indoor are likely attributed to the routine operations of the active dry cleaner.

4.0 ENGINEERS CERTIFICATION

Remedial Engineering and Roux Associates have prepared this Construction Completion Report for the Active Sub Slab Vent System IRM remedial activities conducted at the Jef El dry cleaning facility located at 3181 Long Beach Road, Oceanside, New York (Site).

Remedial Engineering, P.C., hereby certifies that remedial activities at the above mentioned Site have been completed in accordance with the provisions of the NYSDEC approved IRM work plan prepared by Remedial Engineering, P.C. and Roux Associates, Inc. dated September 18, 2008.

REMEDIAL ENGINEERING, P.C.

Charles J. McGuckin, P.E.
Principal Engineer



Table 1. Comprehensive Summary of Volatile Organic Compounds in Vapor, Oceanside Plaza Site, Oceanside, New York

Parameter (Concentrations in $\mu\text{g}/\text{m}^3$)	Sample Designation:	IAQ-BOOK	IAQ-BOOK	IAQ-BOOK	IAQ-VAC	IAQ-VAC
	Sample Date:	12/6/2007	9/2/2009	10/28/2009	12/6/2007	9/2/2009
	Sample Type:	Indoor Air	Indoor Air	Indoor Air	Indoor Air	Indoor Air
1,1-Dichloroethene		0.63 U	2 U	0.63 U	0.63 UJV	4 U
1,2-Dichloroethene (total)		0.63 U	2 U	0.63 U	0.63 UJV	4 U
cis-1,2-Dichloroethene		0.63 U	2 U	0.63 U	0.63 UJV	4 U
Tetrachloroethene		88	500	11	2.6 JV	880
trans-1,2-Dichloroethene		0.63 U	2 U	0.63 U	0.63 UJV	4 U
Trichloroethene		5.9	2.7 U	0.86 U	0.86 UJV	5.4 U
Vinyl chloride		0.41 U	1.3 U	0.41 U	0.41 UJV	2.6 U

J - Estimated value

U - Indicates that the compound was analyzed for but not detected

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

V - Qualifier added during data validation

Table 1. Comprehensive Summary of Volatile Organic Compounds in Vapor, Oceanside Plaza Site, Oceanside, New York

Parameter (Concentrations in $\mu\text{g}/\text{m}^3$)	Sample Designation:	IAQ-VAC	VS-BOOK	VS-BOOK	VS-DCF	VS-DCF	VS-DCR
	Sample Date:	10/28/2009	12/6/2007	10/28/2009	12/6/2007	10/28/2009	12/6/2007
	Sample Type:	Indoor Air	Sub Slab Vapor	Sub Slab Vapor	Sub Slab Vapor	Sub Slab Vapor	Sub Slab Vapor
1,1-Dichloroethene		0.63 U	48 U	0.63 UJV	1.2 U	0.63 U	320 U
1,2-Dichloroethene (total)		0.63 U	48 U	0.63 UJV	1.2 U	0.63 U	320 U
cis-1,2-Dichloroethene		0.63 U	48 U	0.63 UJV	1.2 U	0.63 U	320 U
Tetrachloroethene		7.5	8100	2.5 JV	350	2.2	81000
trans-1,2-Dichloroethene		0.63 U	48 U	0.63 UJV	1.2 U	0.63 U	320 U
Trichloroethene		0.86 U	64 U	0.86 UJV	2.5	0.86 U	430 U
Vinyl chloride		0.41 U	31 U	0.41 UJV	0.77 U	0.41 U	200 U

J - Estimated value

U - Indicates that the compound was analyzed for but not detected

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

V - Qualifier added during data validation

Table 1. Comprehensive Summary of Volatile Organic Compounds in Vapor, Oceanside Plaza Site, Oceanside, New York

Parameter	Sample Designation:	VS-DCR	VS-FENCE	VS-MRE	VS-MRE DUP	VS-MRE	VS-MRE
(Concentrations in $\mu\text{g}/\text{m}^3$)	Sample Date:	10/28/2009	12/6/2007	12/6/2007	12/6/2007	9/4/2009	10/28/2009
	Sample Type:	Sub Slab Vapor	Soil Vapor	Sub Slab Vapor	Sub Slab Vapor	Sub Slab Vapor	Sub Slab Vapor
1,1-Dichloroethene		0.63 U	1.2 U	280 U	710 U	3.2 U	0.63 U
1,2-Dichloroethene (total)		0.63 U	1.2 U	280 U	710 U	3.2 U	0.63 U
cis-1,2-Dichloroethene		0.63 U	1.2 U	280 U	710 U	3.2 U	0.63 U
Tetrachloroethene		2.9	240	50000 JV	120000 JV	37	2.5
trans-1,2-Dichloroethene		0.63 U	1.2 U	280 U	710 U	3.2 U	0.63 U
Trichloroethene		0.86 U	1.6 U	380	970 U	51	15
Vinyl chloride		0.41 U	0.77 U	180 U	460 U	2 U	0.41 U

J - Estimated value

U - Indicates that the compound was analyzed for but not detected

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

V - Qualifier added during data validation

Table 1. Comprehensive Summary of Volatile Organic Compounds in Vapor, Oceanside Plaza Site, Oceanside, New York

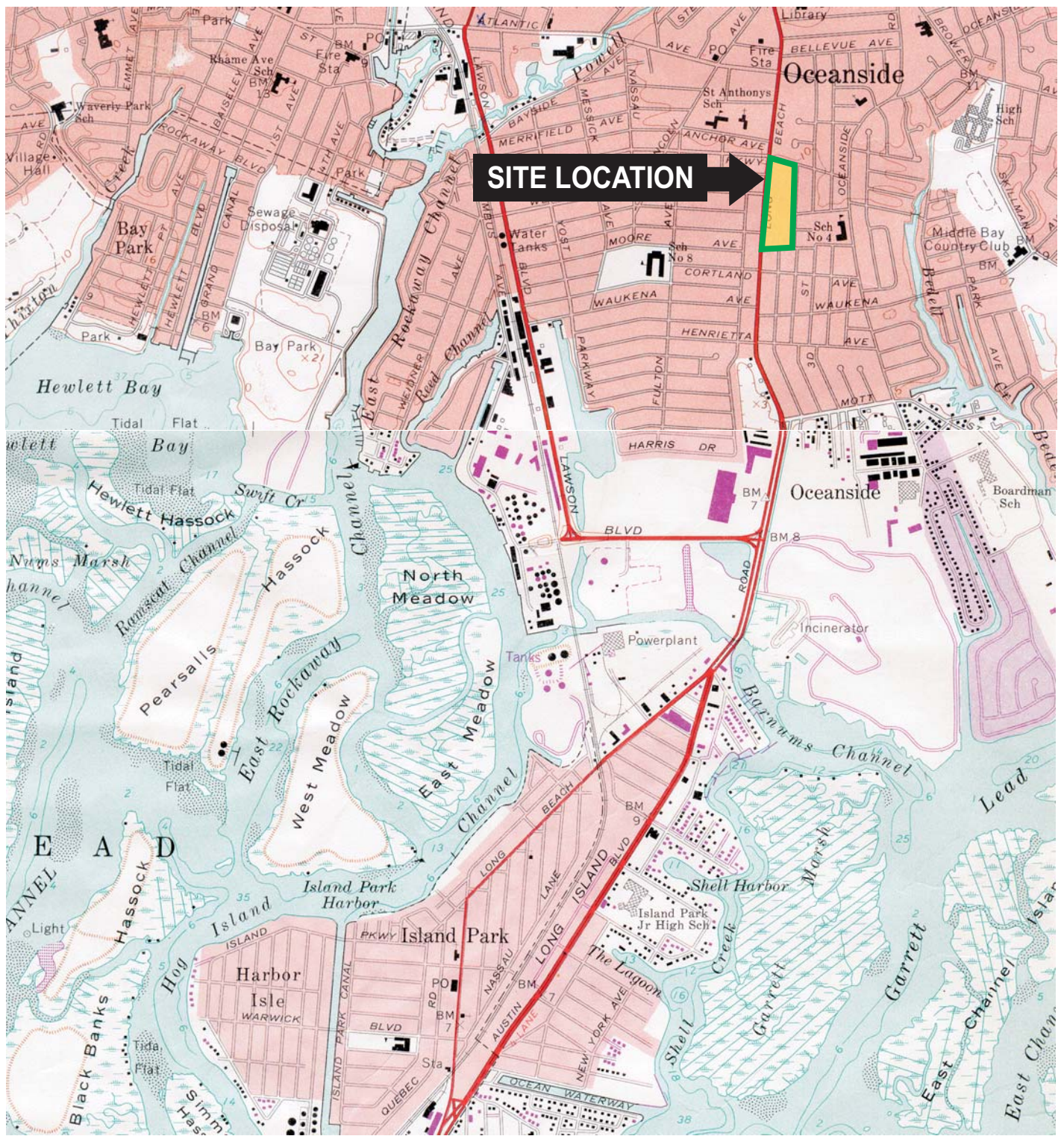
Parameter	Sample Designation:	VS-VAC	VS-VAC	AMB	AMB-FENCE	FB-120607
(Concentrations in $\mu\text{g}/\text{m}^3$)	Sample Date:	12/6/2007	10/28/2009	12/6/2007	9/2/2009	12/6/2007
	Sample Type:	Sub Slab Vapor	Sub Slab Vapor	Ambient Air	Ambient Air	Field Blank
1,1-Dichloroethene		120 U	0.63 UJV	0.63 UJV	0.63 U	0.63 UJV
1,2-Dichloroethene (total)		120 U	0.63 UJV	0.63 UJV	0.63 U	0.63 UJV
cis-1,2-Dichloroethene		120 U	0.63 UJV	0.63 UJV	0.63 U	0.63 UJV
Tetrachloroethene		18000	2.4 JV	1.1 UJV	1.1 U	1.1 UJV
trans-1,2-Dichloroethene		120 U	0.63 UJV	0.63 UJV	0.63 U	0.63 UJV
Trichloroethene		160 U	0.86 UJV	0.86 UJV	0.86 U	0.86 UJV
Vinyl chloride		77 U	0.41 UJV	0.41 UJV	0.41 U	0.41 UJV

J - Estimated value

U - Indicates that the compound was analyzed for but not detected

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

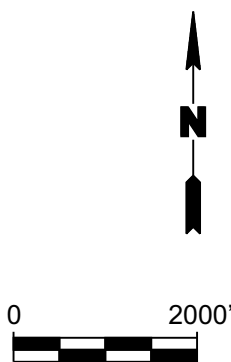
V - Qualifier added during data validation



QUADRANGLE LOCATION



SOURCE:
USGS; Lawrence, N.Y. (1979)
and Lynbrook, N.Y. (1969)
7.5 Minute Topographic Quadrangles



Title:

SITE LOCATION MAP

OCEANSIDE PLAZA SITE
OCEANSIDE, NEW YORK

Prepared for:

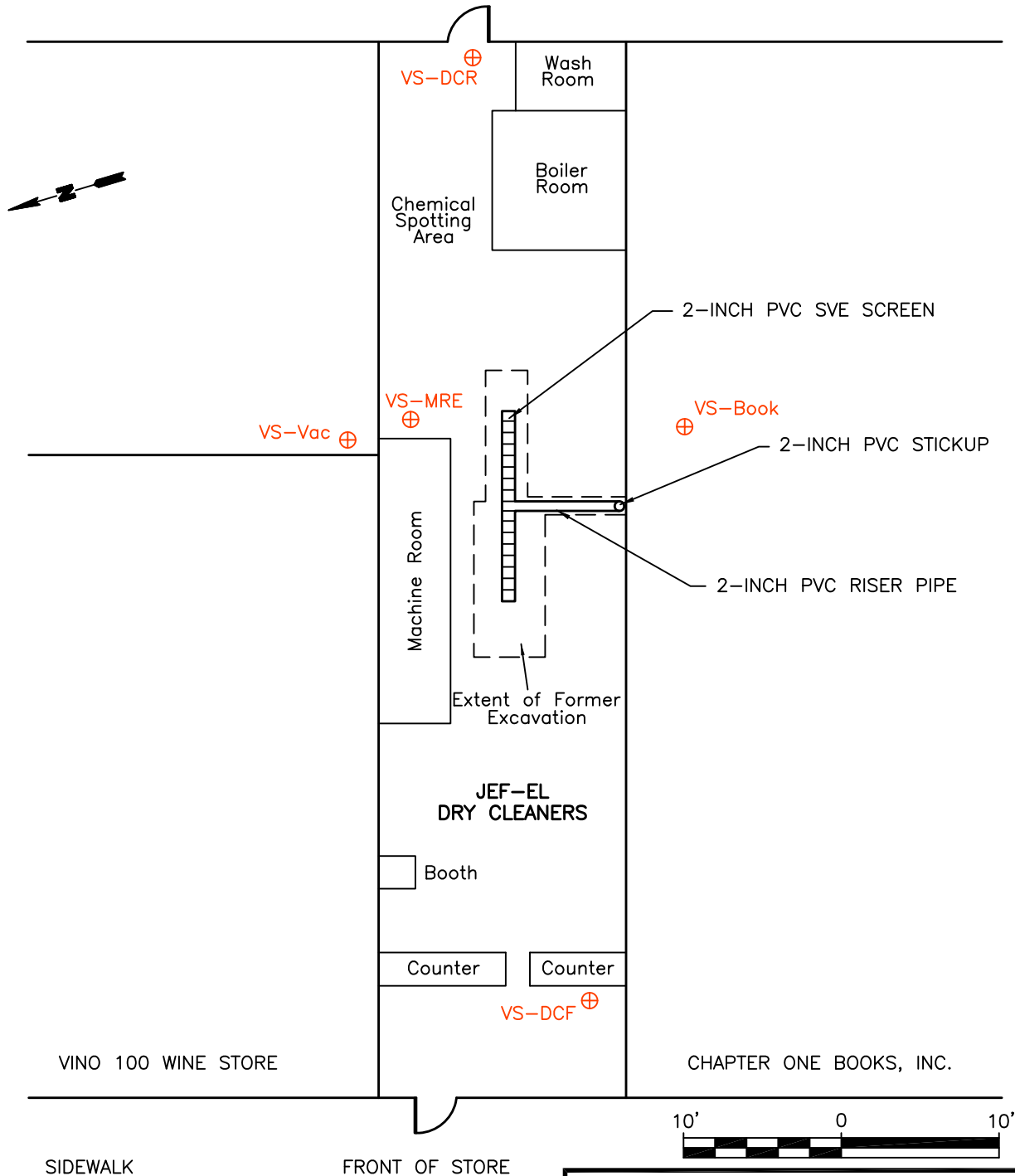
OCEANSIDE PLAZA ASSOCIATES, LLC.



REMEDIAL ENGINEERING, P.C.
ENVIRONMENTAL ENGINEERS

Compiled by: R.S.K.	Date: 23DEC09	FIGURE 1
Prepared by: G.M.	Scale: AS SHOWN	
Project Mgr.: R.S.K.	Office: NY	
File No.: BAS0110701.CDR	Project No.: 180201Y	

VS-Fence ⊕ Fence line



LEGEND

VS-Fence ⊕

LOCATION AND DESIGNATION OF
SOIL VAPOR SAMPLING POINT

VS-DCF ⊕

LOCATION AND DESIGNATION OF
SUB SLAB VAPOR SAMPLING
POINT

Title:

SITE LAYOUT AND CONFIGURATION

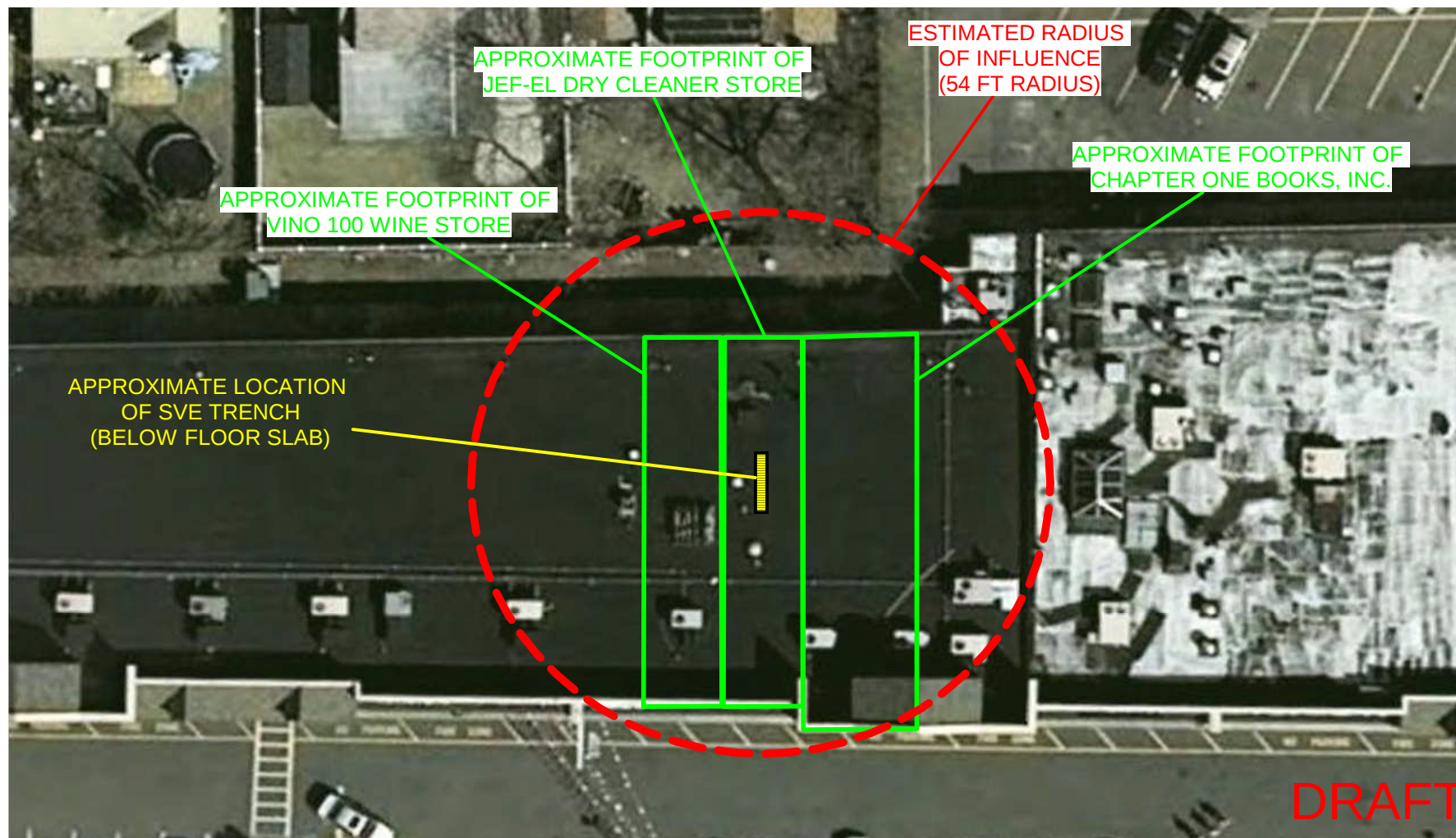
OCEANSIDE PLAZA SITE
OCEANSIDE, NEW YORK

Prepared For:

OCEANSIDE PLAZA ASSOCIATES, LLC.

Remedial
REMEDIAL ENGINEERING, P.C.
ENVIRONMENTAL ENGINEERS

Compiled by: R.S.K.	Date: 23DEC09	FIGURE 2
Prepared by: G.M.	Scale: AS SHOWN	
Project Mgr: R.S.K.	Office: NY	
File No: BAS0110702	Project: 180201Y	



EXPLANATION



ESTIMATED RADIUS OF INFLUENCE (54 FEET)

NOTES:

1. THE ESTIMATED RADIUS OF INFLUENCE (ROI) IS BASED ON VACUUM DATA COLLECTED FROM MONITORING POINTS ON SEPTEMBER 2, 2009.
2. THE EXTENT OF THE ROI IS DEFINED AS THE FURTHEST POINT FROM THE SVE TRENCH WERE 0.1 IN OF W.C. VACUUM CAN BE OBSERVED (ESTIMATED FROM EXISTING MONITORING POINTS).



Title:

SYSTEM RADIUS OF INFLUENCE ON SEPTEMBER 2, 2009

OCEANSIDE PLAZA,
OCEANSIDE, NEW YORK

Prepared For:

OCEANSIDE PLAZA ASSOCIATES, LLC.

ROUX

ROUX ASSOCIATES INC
Environmental Consulting
& Management

Compiled by: RSK

Prepared by: RSK

Project Mgr: RSK

File No: BAS0110704.WOR

Date: 9/4/2009

Scale: SHOWN

Office: NY

Project: 1802.0001Y000

FIGURE

4

**Active Sub Slab Vent System
Interim Remedial Measure
Construction Completion Report**

APPENDIX A

NYSDEC Approved
Active Sub Slab Vent System
IRM Work Plan
Dated September 18, 2008

REMEDIAL ENGINEERING, P.C.
ENVIRONMENTAL ENGINEERS

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ISLANDIA, NEW YORK 11749
TEL: 631-232-2600
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September 18, 2008

Mr. Robert Stewart
New York State Department of Environmental Conservation
Division of Environmental Remediation
Region One
SUNY Building 40
Stony Brook, New York 11790-2356

Re: Revised Active Sub-Slab Vent System IRM Work Plan
Oceanside Plaza, Jef-El Dry Cleaner Facility, Oceanside, New York (Site C130058)

Dear Mr. Stewart:

On behalf of Oceanside Plaza Associates, LLC (Oceanside Plaza Associates), Remedial Engineering, P.C. (Remedial Engineering) and Roux Associates, Inc. (Roux Associates) have prepared this revised letter report to describe the proposed installation of an active sub-slab venting system at the Jef-El dry cleaning facility located at 3131-3221 Long Beach Road, Oceanside, New York (Site). A Site Location Map is provided in Figure 1. This Work Plan has been revised to address the comments provided by the New York State Department of Environmental Conservation (NYSDEC) in their letter dated August 25, 2008.

Reliance Environmental, Inc. (Reliance Environmental) is in the process of completing a Remedial Investigation (RI) at the Site under the NYSDEC Brownfield Cleanup Program (BCP). Investigation activities are being completed in accordance with the Remedial Investigation Work Plan (RIWP) dated May 2007. This RIWP was approved by the NYSDEC in their letter dated June 20, 2007. The activities proposed in this Work Plan (i.e., the installation of an active sub-slab venting system) will be completed as an Interim Remedial Measure (IRM). This letter provides a brief summary of the soil vapor investigation, description of the active sub-slab venting system, and procedures for data collection and monitoring.

Summary of Soil Vapor Investigation

Roux Associates completed the soil vapor investigation component of the RIWP. The soil vapor investigation included work in the Jef-El dry cleaner, the book store located immediately south of the Jef-El dry cleaner (Chapter One Books, Inc.), and in the former

vacuum repair store located immediately north of the Jef-El dry cleaner (currently vacant). The stores are constructed with concrete slab-on-grade (i.e., no basements). In November 2007, Roux Associates installed five permanent sub slab vapor monitoring points (three within the Jef-El dry cleaner facility, one in Chapter One Books, Inc., and one in the vacant former vacuum repair store) and the installation of one permanent sub surface soil vapor monitoring point located at the fence line behind the Jef-El dry cleaner (i.e., beyond the footprint of the dry cleaner building). The locations of the permanent sub slab vapor monitoring points and the permanent sub surface soil vapor monitoring point are presented in Figure 2.

In December 2007, Roux Associates completed vapor sampling activities at the Site. This included the collection of soil vapor samples for laboratory analysis from all five sub slab monitoring points, the sub surface soil vapor monitoring point, as well as the collection of indoor air samples from within Chapter One Books, Inc. and the former vacuum store, and an ambient outdoor air sample. Vapor samples were collected using 6-liter Summa canisters over a sampling period of 8 hours. Vapor samples were submitted for analysis for the following list of chlorinated volatile organic compounds (cVOCs): vinyl chloride, 1,1-dichloroethene, trans-1,2-dichloroethene, 1,2-dichloroethene, cis-1,2-dichloroethene, trichloroethene (TCE), and tetrachloroethene (PCE) using United States Environmental Protection Agency (USEPA) Method TO-15. A Data Usability Summary Report (DUSR) was prepared by Data Validation Services (an independent data validator) and is included in Appendix A. The validated results of these samples are provided in Table 1.

As shown in Table 1, the results of this sampling indicated that elevated concentrations of cVOCs, primarily PCE, were present at the Site. Specifically, PCE was detected at a maximum concentration of 120,000 micrograms per cubic meter ($\mu\text{g}/\text{m}^3$) in sub slab vapor beneath the Jef-El dry cleaner (located near the machine room, as shown in Figure 2). In addition, PCE was detected at 8,100 $\mu\text{g}/\text{m}^3$ and 18,000 $\mu\text{g}/\text{m}^3$ in sub slab vapor beneath Chapter One Books, Inc. and the former vacuum store, respectively. PCE was also detected in indoor air in Chapter One Books, Inc. (88 $\mu\text{g}/\text{m}^3$) and the former vacuum store (2.6 $\mu\text{g}/\text{m}^3$). In addition to PCE, TCE was also detected in soil vapor beneath the Jef-El dry cleaner and in the indoor air sample collected from Chapter One Books, Inc.; however, concentrations were significantly lower than the PCE concentrations detected.

The only compound detected in the sub surface soil vapor samples (VS-FENCE) located behind the Jef-El dry cleaner was PCE at a concentration of 240 $\mu\text{g}/\text{m}^3$. All compounds were non-detect in the ambient air sample and field blank sample collected.

Based on the elevated cVOCs detected beneath and within the Jef-El dry cleaner, Chapter One Books, Inc., and the former vacuum store, Roux Associates is preparing this IRM Work Plan for the installation of an active sub slab venting system. The scope of this Work Plan includes utilizing the existing soil vapor extraction (SVE) piping installed beneath the central portion of the Jef-El dry cleaner. Specifically, in January 2006, this

PVC screen was installed within an area previously excavated. The PVC screen is two inches in diameter and 10.5 feet in length. The screen is set horizontally within the previous excavation at a depth of approximately 18 inches below the slab. A 2-inch diameter, solid PVC riser pipe was connected to the screen and extends above the concrete slab along the southern wall of the Jef-El dry cleaner, acting as an access port to the screen. The excavation has since been backfilled with pea-gravel and sand, and the concrete slab has been restored. To date, this soil vapor extraction screen has remained inactive. The location of this SVE pipe is shown in Figure 2.

Sub-Slab Venting Pilot Study

Based on these vapor investigation results, a sub-slab venting pilot study was conducted on February 14, 2008 utilizing the existing sub-slab piping.

On February 14, 2008, a temporary blower (1.5 Hp regenerative blower) was brought to the Site and connected to the existing sub-slab piping. Vacuum response readings were collected from the existing permanent sub-slab monitoring points located in the Jef-El dry cleaner, the former vacuum store, and the Chapter One Books, Inc. store. In addition, photoionization detector (PID) readings were taken from the sub-slab monitoring points in the Jef-El dry cleaner during the pilot study.

Sub-Slab Venting Pilot Study Results

The extracted soil gas flow rate was approximately 100 cubic feet per minute (cfm) at a vacuum of 18 inches of water column (in. w.c.) for a period of approximately 1.5 hours. Induced vacuum influence was detected in sub-slab monitoring points VS-DCR, VS-Vac, VS-Book, and VS-MRE (vacuum response was not detected in V-DCF). The vacuum response measured in the closest sub-slab monitoring point (approximately 6 feet from the sub-slab piping), VS-MRE, was 0.8 in. w.c. Vacuum influence was also detected in sub-slab monitoring points located in the former vacuum store (VS-Vac [approximately 10 feet from the sub-slab piping]) and in the Chapter One Books, Inc. store (VS-Book [approximately 11 feet from the sub-slab piping]) at 0.3 in. w.c. and 0.08 in. w.c., respectively.

The PID measurement prior to the start of the pilot study in VS-MRE was 120 parts per million by volume (ppmv). During the pilot study, the PID readings measured in VS-MRE were 0.0 ppmv.

The effluent air from the temporary pilot study blower was also sampled. The results indicated that PCE and TCE were detected in the air stream. The PCE concentration detected was 9.37 ppmv and the TCE concentration was 0.0146 ppmv. A Division of Air Resources (DAR-1) (formerly Air Guide-1) analysis was performed to determine if the estimated emissions from the proposed operation of the active sub-slab venting system will exceed the permissible limits. A DAR-1 (formerly Air Guide-1) screening level worksheet (Table 2) was employed using the contaminant emission rate (pounds per hour) based on the air sample collected during the pilot study on February 14, 2008. The emission impacts were compared to the annual guidance concentration (AGC) values and

the short-term guidance concentration (SGC) values from the September 10, 2007 DAR-1 AGC/SGC Tables. Based on the DAR-1 analysis, the estimated contaminant emission rates are below the AGC and SGC values for PCE and TCE.

Proposed Active Sub-Slab Venting System

Based on the results of the sub-slab venting pilot study, the existing sub-slab piping will be converted to an active system. A 3.0-Hp blower will be connected to the existing sub-slab piping via 4-inch diameter Schedule 40 PVC pipe as shown on Figure 3. Note that a 3 Hp blower will be installed as part of this system as opposed to the smaller 1.5 Hp blower that was used in the pilot study. This larger sized blower will be used in an attempt to create measurable vacuum influence in the front of the dry cleaner store (VS-DCF). The blower will be installed on the roof of the dry cleaning facility. A knock-out tank will be utilized to prevent water from being drawn into the blower. The discharge from the blower will extend five feet above the roof parapet, away from any roof air intakes. Although based on the DAR-1 analysis conducted during the pilot study (described above and presented in Table 2) off-gas treatment is not required, to be conservative, effluent discharge from the blower will pass through activated carbon prior to discharge. This treatment will ensure that effluent discharge will not affect nearby stores or residences.

Performance Monitoring

Following initial startup, a technician will monitor the system to ensure it is functioning as designed. In addition, at a minimum of every 30 days following startup, the system will be monitored. This monitoring will include collection of PID measurements and vacuum response measurements at all permanent monitoring points, and any required routine maintenance of the system. This will be conducted for a period of six months. Following this six month period, the possibility of reducing the monitoring frequency will be evaluated. If a reduction in monitoring frequency is deemed appropriate, a formal written request will be submitted to the NYSDEC requesting a reduction in monitoring frequency.

In addition to the monitoring described above, vapor samples will be collected for laboratory analysis 30 days following start-up to confirm that the system is adequately attenuating the VOCs in the subsurface vapor and indoor air. Sub-slab vapor samples will be collected from the five existing permanent sub-slab monitoring points and the soil vapor monitoring point located behind the Jef-El dry cleaner. An indoor air sample will be collected from inside Chapter One Books, Inc. and one indoor air sample will be collected from inside the former vacuum store. One outdoor ambient air sample will also be collected. The same sampling procedures utilized during the December 2007 sampling event will be used. Vacuum response readings will also be measured during the collection of the sub-slab vapor samples. If vacuum influence is not measured in the vapor point located in the front of the dry cleaner store (i.e., VS-DCF), perc badges will be utilized in the front of the occupied stores on either side of the dry cleaner store. These perc badges will supplement the indoor air samples collected within these stores to

verify air quality is acceptable. Performance monitoring results will be submitted to the NYSDEC immediately following receipt from the analytical laboratory.

Preparation of Final Engineering Report (FER)

Following the completion of the Sub-Slab Vent System installation and receipt of monitoring results collected 30 days after system startup, Roux Associates will prepare a FER for submittal to the NYSDEC. This report will discuss the construction of the Sub-Slab Venting System and the results of all monitoring completed to date. The FER will contain as-built drawings that have been prepared and stamped by a New York State Licensed PE, as well as a statement certifying that the project was completed in accordance with the approved Work Plan.

Please call if you have any questions or require additional information.

Sincerely,

ROUX ASSOCIATES, INC.

Glenn Netuschil

Glenn Netuschil, P.E.
Senior Engineer

REMEDIAL ENGINEERING, P.C.

Charles J. McGuckin, P.E.
Principal Engineer



cc: Marc Kemp, Oceanside Plaza Associates, LLC.
Michael P. Raffoni, P.G., Reliance Environmental, Inc.
Robert Kovacs, Roux Associates, Inc.

Table 1. Summary of Select Volatile Organic Compounds in Vapor, Jef-El Dry Cleaner Facility, Oceanside, New York

Parameter (Concentrations in $\mu\text{g}/\text{m}^3$)	Sample Designation:		VS-DCF		VS-DCR		VS-MRE		VS-MRE DUP		VS-BOOK		VS-VAC	
	Sample Date:		12/6/2007		12/6/2007		12/6/2007		12/6/2007		12/6/2007		12/6/2007	
	Sample Type:		Sub Slab Vapor		Sub Slab Vapor		Sub Slab Vapor		Sub Slab Vapor		Sub Slab Vapor		Sub Slab Vapor	
1,1-Dichloroethene			1.2 U		320 U		280 U		710 U		48 U		120 U	
1,2-Dichloroethene (total)			1.2 U		320 U		280 U		710 U		48 U		120 U	
cis-1,2-Dichloroethene			1.2 U		320 U		280 U		710 U		48 U		120 U	
Tetrachloroethene			350		81000		50000 JV		120000 JV		8100		18000	
trans-1,2-Dichloroethene			1.2 U		320 U		280 U		710 U		48 U		120 U	
Trichloroethene			2.5		430 U		380		970 U		64 U		160 U	
Vinyl chloride			0.77 U		200 U		180 U		460 U		31 U		77 U	

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

U - Compound was analyzed for but not detected

DUP - Duplicate

J - Estimated value

V - Qualifier added during data validation

Table 1. Summary of Select Volatile Organic Compounds in Vapor, Jef-El Dry Cleaner Facility, Oceanside, New York

Parameter (Concentrations in $\mu\text{g}/\text{m}^3$)	Sample Designation:		Sample Date:		Sample Type:	
	IAQ-BOOK	IAQ-VAC	VS-FENCE	AMB	FB-120607	
	12/6/2007	12/6/2007	12/6/2007	12/6/2007	12/6/2007	
	Indoor Air	Indoor Air	Soil Vapor	Ambient Air	Field Blank	
1,1-Dichloroethene	0.63 U	0.63 UJV	1.2 U	0.63 UJV	0.63 UJV	
1,2-Dichloroethene (total)	0.63 U	0.63 UJV	1.2 U	0.63 UJV	0.63 UJV	
cis-1,2-Dichloroethene	0.63 U	0.63 UJV	1.2 U	0.63 UJV	0.63 UJV	
Tetrachloroethene	88	2.6 JV	240	1.1 UJV	1.1 UJV	
trans-1,2-Dichloroethene	0.63 U	0.63 UJV	1.2 U	0.63 UJV	0.63 UJV	
Trichloroethene	5.9	0.86 UJV	1.6 U	0.86 UJV	0.86 UJV	
Vinyl chloride	0.41 U	0.41 UJV	0.77 U	0.41 UJV	0.41 UJV	

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

U - Compound was analyzed for but not detected

DUP - Duplicate

J - Estimated value

V - Qualifier added during data validation

Table 2. Jef-El Dry Cleaners Air Emission Calculations

Calculations based on air samples collected on 2/14/08 from the effluent of the pilot study blower.

trachloroethene (PCE) concentration (ppbv):	9,370
CE concentration ($\mu\text{g}/\text{m}^3$):	63,500
richloroethene (TCE) concentration ($\mu\text{g}/\text{m}^3$):	78.5
lPCE concentration (ppbv):	14.6
air flow rate (cubic feet per minute [cfm]):	100

Calculate Emission Rate in Pounds/Hour (lb/hr):

low Rate = 100 cfm

mission Rate (lb/hr) = flow rate * concentration (PPMv) * molecular weight * $1.581\text{E-}07$

Note that $1.587\text{E-}07 = 1/24.05 * 0.0283 \text{ m}^3 / 1 \text{ ft}^3 * 60 \text{ minutes/hour} * 1 \text{ lb}/4.54\text{E-}05 \text{ mg}$

mission Rate for PCE (lb/hr) = 100 cfm * 9.37 PPMv * 165.8 * $1.581\text{E-}07$ =	0.0246 lb/hr or	215.16 lb/yr
mission Rate for TCE (lb/hr) = 100 cfm * 0.0146 PPMv * 131.4 * $1.581\text{E-}07$ =	0.00003 lb/hr or	0.27 lb/yr

Standard Point Source Method (Appendix B – Division of Air Resources):

Is (Height of Stack) = 25' Hb (Height of Building) = 20'

Is/Hb = 1.3 < 1.5 No Plume Rise

Therefore effective stack height $H_E = H_s$, $H_E = 25'$

Calculate Maximum Annual Impact (Ca)

$$C_a (\mu\text{g}/\text{m}^3) = 6 * Q_a / H_E^{2.25}$$

C_a = Emission Rate in pounds per year calculated above

C_a for PCE ($\mu\text{g}/\text{m}^3$) =	0.92
C_a for TCE ($\mu\text{g}/\text{m}^3$) =	0.0011

Calculate Maximum Potential Annual Impact (Cp)

$$C_p (\mu\text{g}/\text{m}^3) = 52,500 * Q / H_E^{2.25}$$

C_p = Emission Rate in pounds per hour calculated above

C_p for PCE ($\mu\text{g}/\text{m}^3$) =	0.61
C_p for TCE ($\mu\text{g}/\text{m}^3$) =	0.0008

Since $H_s/H_b < 1.5$ -- No Stack Reduction Factors Apply

AGC for PCE = 1.0 $\mu\text{g}/\text{m}^3$	C_a for PCE = 0.9 < 1.0 -- OK!
--	----------------------------------

AGC for TCE = 0.5 $\mu\text{g}/\text{m}^3$	C_a for TCE = 0.0007 < 0.5 -- OK!
--	-------------------------------------

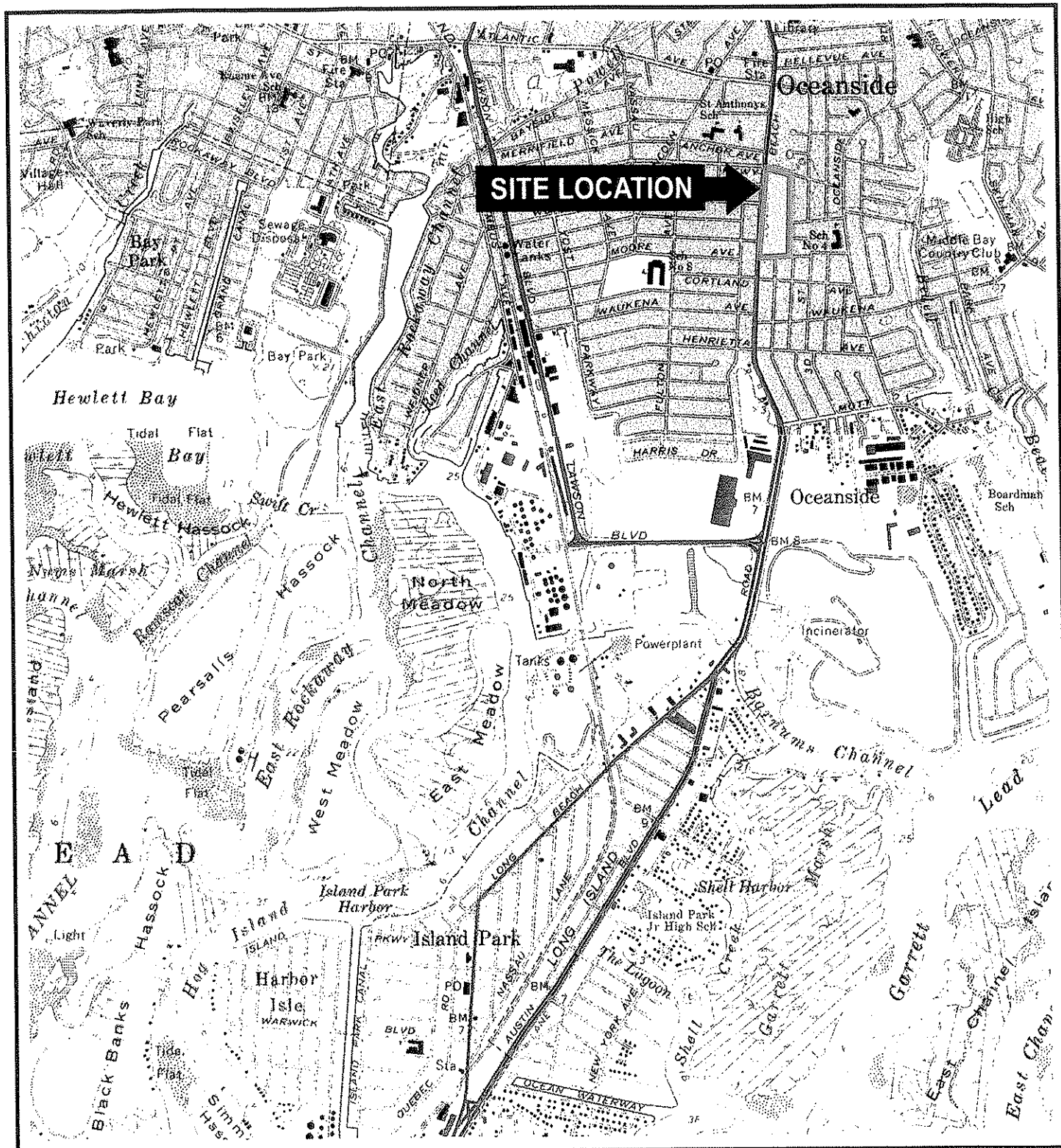
Calculate Maximum Short Term Impact (Cst)

$C_{st} (\mu\text{g}/\text{m}^3) = C_p * 65$

C_{st} for PCE ($\mu\text{g}/\text{m}^3$) =	39.79
C_{st} for TCE ($\mu\text{g}/\text{m}^3$) =	0.05

SGC for PCE = 1,000 $\mu\text{g}/\text{m}^3$	C_{st} for PCE = 39.12 < 1,300 -- OK!
SGC for TCE = 14,000 $\mu\text{g}/\text{m}^3$	C_{st} for TCE = 0.05 < 54,000 -- OK!

Since C_a and C_{st} for PCE, TCE are less than their respective AGC and SGC values, no vapor phase carbon units are necessary.



QUADRANGLE LOCATION



SOURCE:
USGS; Lawrence, N.Y. (1979)
and Lynbrook, N.Y. (1969)
7.5 Minute Topographic Quadrangles

0 2000'

Title:

SITE LOCATION MAP

OCEANSIDE PLAZA SITE
OCEANSIDE, NEW YORK

Prepared for:

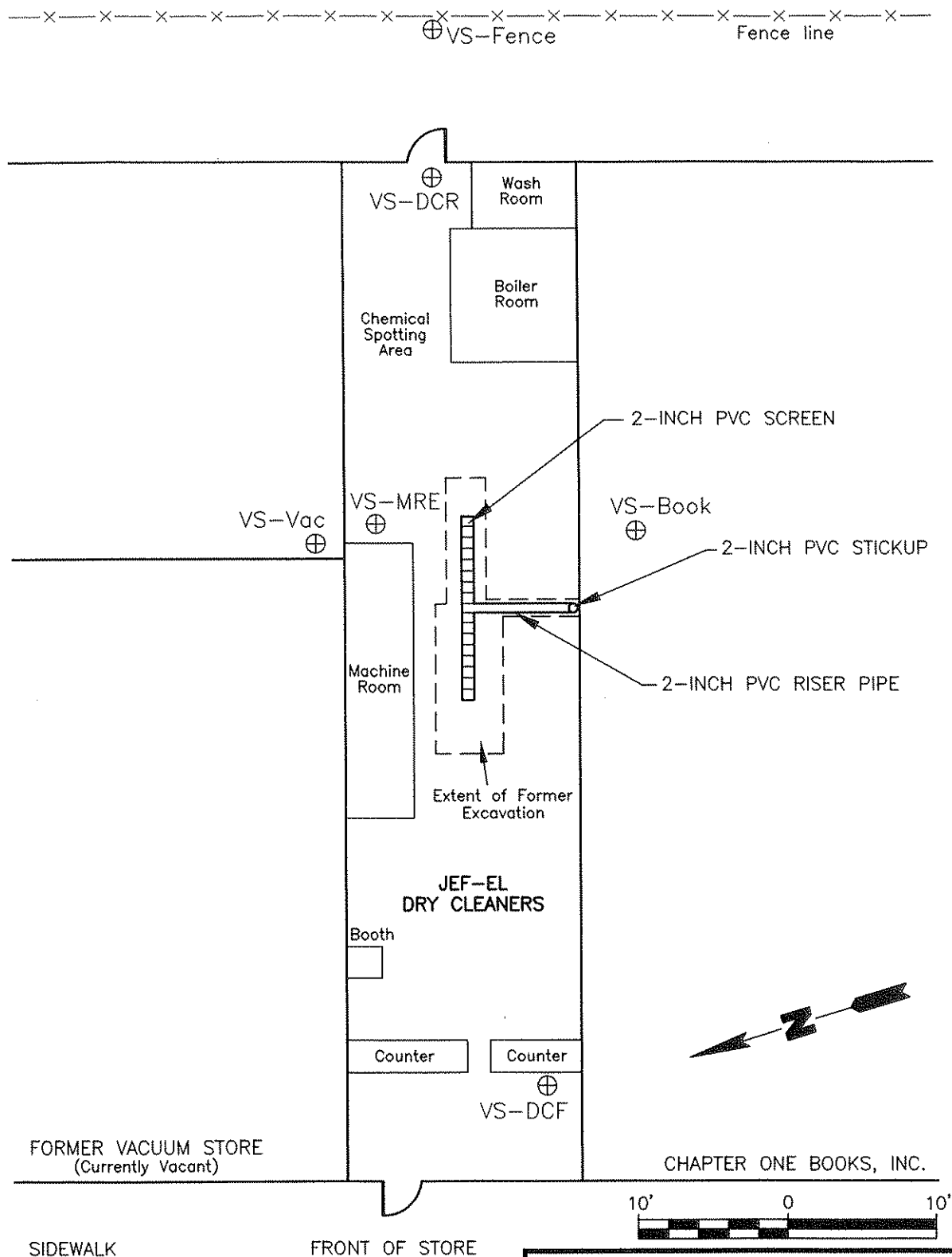
OCEANSIDE PLAZA ASSOCIATES, LLC.

Remedial

REMEDIATION ENGINEERING, P.C.
ENVIRONMENTAL ENGINEERS

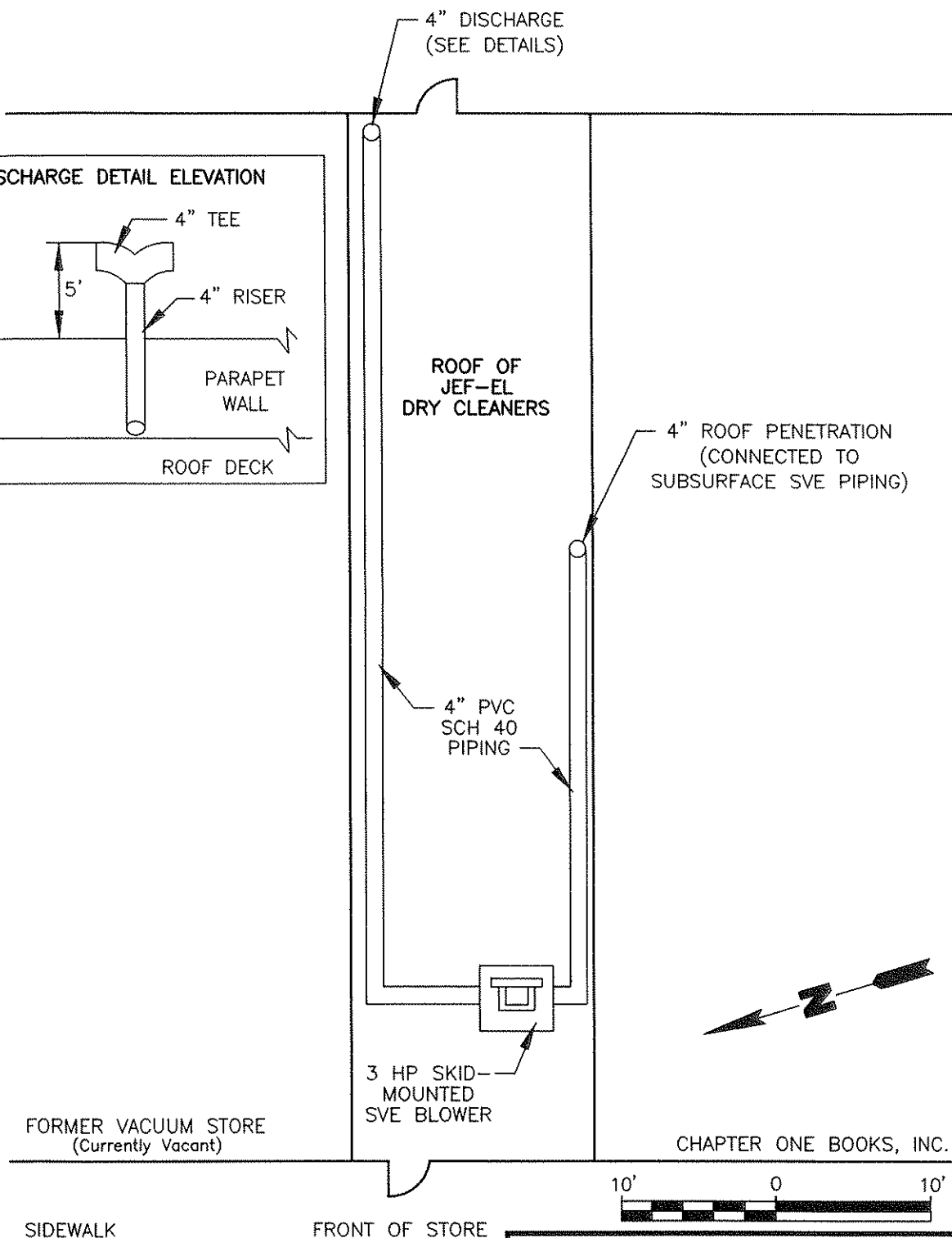
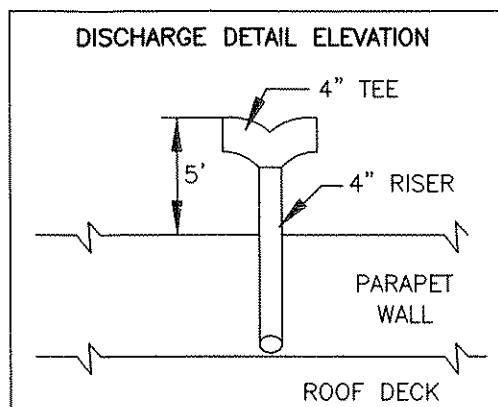
Compiled by: R.S.K.	Date: 17SEP08	FIGURE
Prepared by: J.A.D.	Scale: AS SHOWN	1
Project Mgr.: R.S.K.	Office: NY	
File No.: BAS0110101.CDR	Project No.: 180201Y	

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- LEGEND**
- VS-DCF
⊕ LOCATION AND DESIGNATION OF SUB SLAB VAPOR SAMPLING POINT
- VS-Fence
⊕ LOCATION AND DESIGNATION OF SOIL VAPOR SAMPLING POINT

Title:			
SITE PLAN			
OCEANSIDE PLAZA SITE OCEANSIDE, NEW YORK			
Prepared For: OCEANSIDE PLAZA ASSOCIATES, LLC.			
 Remedial REMEDIAL ENGINEERING, P.C. ENVIRONMENTAL ENGINEERS	Compiled by: R.S.K.	Date: 17SEP08	FIGURE 2
	Prepared by: J.A.D.	Scale: AS SHOWN	
	Project Mgr: R.S.K.	Office: NY	
	File No: BAS0110101	Project: 180201Y	



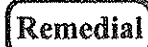
Title:

ROOF PLAN

OCEANSIDE PLAZA SITE
OCEANSIDE, NEW YORK

Prepared For:

OCEANSIDE PLAZA ASSOCIATES, LLC.



REMEDIAL ENGINEERING, P.C.
ENVIRONMENTAL ENGINEERS

Compiled by: R.S.K.

Date: 17SEP08

FIGURE

Prepared by: J.A.D.

Scale: AS SHOWN

Project Mgr: R.S.K.

Office: NY

File No: BAS0110103

Project: 180201Y

3

APPENDIX B

Analytical Results for Vapor Samples
(See Attached CD)

TestAmerica
South Burlington, VT

Extended Data Package

SDG: NY123316

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Case Narrative

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

December 13, 2007

Mr. Robert Kovacs
Roux Associates
209 Shafter Street
Islandia, NY 11749

Re: Laboratory Project No. 27000
Case: 27000; SDG: NY123316

Dear Mr. Kovacs:

Enclosed are the analytical results for the samples that were received by TestAmerica Burlington on December 7th, 2007. Laboratory identification numbers were assigned, and designated as follows:

<u>Lab ID</u>	<u>Client Sample ID</u>	<u>Sample Date</u>	<u>Sample Matrix</u>
Received: 12/07/07 ETR No: 123316			
734481	VS-DCF	12/06/07	AIR
734482	VS-MRE	12/06/07	AIR
734483	DUP-120607	12/06/07	AIR
734484	VS-DCR	12/06/07	AIR
734485	IAQ-BOOK	12/06/07	AIR
734486	VS-BOOK	12/06/07	AIR
734487	IAQ-VAC	12/06/07	AIR
734488	VS-VAC	12/06/07	AIR
734489	AMB	12/06/07	AIR
734490	VS-FENCE	12/06/07	AIR
734491	FB-120607	12/06/07	AIR

Documentation of the condition of the samples at the time of their receipt and any exception to the laboratory's Sample Acceptance Policy is documented in the Sample Handling section of this submittal.

EPA Method TO-15 – Volatile Organics:

The analyses of several samples in this delivery group were accomplished a dilution in order to get the response of the analyte with the highest concentration within the initial calibration range. Only the results for the dilution analyses were provided.

The analytical results associated with the samples presented in this test report were generated under a quality system that adheres to requirements specified in the NELAC standard. Release of the data in this test report and any associated electronic deliverables is authorized by the Laboratory Director's designee as verified by the following signature.

If there are any questions regarding this submittal, please contact me at 802 660-1990.

Sincerely,

A handwritten signature in black ink, appearing to read "Ron Pentkowski". The signature is fluid and cursive, with a large, sweeping initial "R".

Ron Pentkowski
Project Manager

Enclosure

**TO-14/15
Result Summary**

CLIENT SAMPLE NO.

VS-DCF

Lab Name: TAL Burlington

SDG Number: NY123316

Dilution Factor: 1.50

Sample Matrix: AIR

Lab Sample No.: 734481

Date Analyzed: 12/11/07

Date Received: 12/07/07

Target Compound	CAS Number	Results in ppbv	Q	RL in ppbv	Results in ug/m3	Q	RL in ug/m3
Vinyl Chloride	75-01-4	0.30	U	0.30	0.77	U	0.77
1,1-Dichloroethene	75-35-4	0.30	U	0.30	1.2	U	1.2
trans-1,2-Dichloroethene	156-60-5	0.30	U	0.30	1.2	U	1.2
1,2-Dichloroethene (total)	540-59-0	0.30	U	0.30	1.2	U	1.2
cis-1,2-Dichloroethene	156-59-2	0.30	U	0.30	1.2	U	1.2
Trichloroethene	79-01-6	0.46		0.30	2.5		1.6
Tetrachloroethene	127-18-4	51		0.30	350		2.0

**TO-14/15
Result Summary**

CLIENT SAMPLE NO.

VS-MRE

Lab Name: TAL Burlington

SDG Number: NY123316

Dilution Factor: 348.00

Sample Matrix: AIR

Lab Sample No.: 734482

Date Analyzed: 12/11/07

Date Received: 12/07/07

Target Compound	CAS Number	Results in ppbv	Q	RL in ppbv	Results in ug/m3	Q	RL in ug/m3
Vinyl Chloride	75-01-4	70	U	70	180	U	180
1,1-Dichloroethene	75-35-4	70	U	70	280	U	280
trans-1,2-Dichloroethene	156-60-5	70	U	70	280	U	280
1,2-Dichloroethene (total)	540-59-0	70	U	70	280	U	280
cis-1,2-Dichloroethene	156-59-2	70	U	70	280	U	280
Trichloroethene	79-01-6	71		70	380		380
Tetrachloroethene	127-18-4	7400		70	50000		470

**TO-14/15
Result Summary**

CLIENT SAMPLE NO.

DUP-120607

Lab Name: TAL Burlington

SDG Number: NY123316

Dilution Factor: 899.00

Sample Matrix: AIR

Lab Sample No.: 734483

Date Analyzed: 12/11/07

Date Received: 12/07/07

Target Compound	CAS Number	Results in ppbv	Q	RL in ppbv	Results in ug/m3	Q	RL in ug/m3
Vinyl Chloride	75-01-4	180	U	180	460	U	460
1,1-Dichloroethene	75-35-4	180	U	180	710	U	710
trans-1,2-Dichloroethene	156-60-5	180	U	180	710	U	710
1,2-Dichloroethene (total)	540-59-0	180	U	180	710	U	710
cis-1,2-Dichloroethene	156-59-2	180	U	180	710	U	710
Trichloroethene	79-01-6	180	U	180	970	U	970
Tetrachloroethene	127-18-4	18000		180	120000		1200

**TO-14/15
Result Summary**

CLIENT SAMPLE NO.

VS-DCR

Lab Name: TAL Burlington

SDG Number: NY123316

Dilution Factor: 399.00

Sample Matrix: AIR

Lab Sample No.: 734484

Date Analyzed: 12/11/07

Date Received: 12/07/07

Target Compound	CAS Number	Results in ppbv	Q	RL in ppbv	Results in ug/m3	Q	RL in ug/m3
Vinyl Chloride	75-01-4	80	U	80	200	U	200
1,1-Dichloroethene	75-35-4	80	U	80	320	U	320
trans-1,2-Dichloroethene	156-60-5	80	U	80	320	U	320
1,2-Dichloroethene (total)	540-59-0	80	U	80	320	U	320
cis-1,2-Dichloroethene	156-59-2	80	U	80	320	U	320
Trichloroethene	79-01-6	80	U	80	430	U	430
Tetrachloroethene	127-18-4	12000		80	81000		540

**TO-14/15
Result Summary**

CLIENT SAMPLE NO.

IAQ-BOOK

Lab Name: TAL Burlington

SDG Number: NY123316

Dilution Factor: 0.80

Sample Matrix: AIR

Lab Sample No.: 734485

Date Analyzed: 12/11/07

Date Received: 12/07/07

Target Compound	CAS Number	Results in ppbv	Q	RL in ppbv	Results in ug/m3	Q	RL in ug/m3
Vinyl Chloride	75-01-4	0.16	U	0.16	0.41	U	0.41
1,1-Dichloroethene	75-35-4	0.16	U	0.16	0.63	U	0.63
trans-1,2-Dichloroethene	156-60-5	0.16	U	0.16	0.63	U	0.63
1,2-Dichloroethene (total)	540-59-0	0.16	U	0.16	0.63	U	0.63
cis-1,2-Dichloroethene	156-59-2	0.16	U	0.16	0.63	U	0.63
Trichloroethene	79-01-6	1.1		0.16	5.9		0.86
Tetrachloroethene	127-18-4	13		0.16	88		1.1

**TO-14/15
Result Summary**

CLIENT SAMPLE NO.

VS-BOOK

Lab Name: TAL Burlington

SDG Number: NY123316

Dilution Factor: 60.40

Sample Matrix: AIR

Lab Sample No.: 734486

Date Analyzed: 12/11/07

Date Received: 12/07/07

Target Compound	CAS Number	Results in ppbv	Q	RL in ppbv	Results in ug/m3	Q	RL in ug/m3
Vinyl Chloride	75-01-4	12	U	12	31	U	31
1,1-Dichloroethene	75-35-4	12	U	12	48	U	48
trans-1,2-Dichloroethene	156-60-5	12	U	12	48	U	48
1,2-Dichloroethene (total)	540-59-0	12	U	12	48	U	48
cis-1,2-Dichloroethene	156-59-2	12	U	12	48	U	48
Trichloroethene	79-01-6	12	U	12	64	U	64
Tetrachloroethene	127-18-4	1200		12	8100		81

**TO-14/15
Result Summary**

CLIENT SAMPLE NO.

IAQ-VAC

Lab Name: TAL Burlington

SDG Number: NY123316

Dilution Factor: 0.80

Sample Matrix: AIR

Lab Sample No.: 734487

Date Analyzed: 12/11/07

Date Received: 12/07/07

Target Compound	CAS Number	Results in ppbv	Q	RL in ppbv	Results in ug/m3	Q	RL in ug/m3
Vinyl Chloride	75-01-4	0.16	U	0.16	0.41	U	0.41
1,1-Dichloroethene	75-35-4	0.16	U	0.16	0.63	U	0.63
trans-1,2-Dichloroethene	156-60-5	0.16	U	0.16	0.63	U	0.63
1,2-Dichloroethene (total)	540-59-0	0.16	U	0.16	0.63	U	0.63
cis-1,2-Dichloroethene	156-59-2	0.16	U	0.16	0.63	U	0.63
Trichloroethene	79-01-6	0.16	U	0.16	0.86	U	0.86
Tetrachloroethene	127-18-4	0.39		0.16	2.6		1.1

**TO-14/15
Result Summary**

CLIENT SAMPLE NO.

VS-VAC

Lab Name: TAL Burlington

SDG Number: NY123316

Dilution Factor: 149.00

Sample Matrix: AIR

Lab Sample No.: 734488

Date Analyzed: 12/12/07

Date Received: 12/07/07

Target Compound	CAS Number	Results in ppbv	Q	RL in ppbv	Results in ug/m3	Q	RL in ug/m3
Vinyl Chloride	75-01-4	30	U	30	77	U	77
1,1-Dichloroethene	75-35-4	30	U	30	120	U	120
trans-1,2-Dichloroethene	156-60-5	30	U	30	120	U	120
1,2-Dichloroethene (total)	540-59-0	30	U	30	120	U	120
cis-1,2-Dichloroethene	156-59-2	30	U	30	120	U	120
Trichloroethene	79-01-6	30	U	30	160	U	160
Tetrachloroethene	127-18-4	2700		30	18000		200

**TO-14/15
Result Summary**

CLIENT SAMPLE NO.

AMB

Lab Name: TAL Burlington

SDG Number: NY123316

Dilution Factor: 0.80

Sample Matrix: AIR

Lab Sample No.: 734489

Date Analyzed: 12/12/07

Date Received: 12/07/07

Target Compound	CAS Number	Results in ppbv	Q	RL in ppbv	Results in ug/m3	Q	RL in ug/m3
Vinyl Chloride	75-01-4	0.16	U	0.16	0.41	U	0.41
1,1-Dichloroethene	75-35-4	0.16	U	0.16	0.63	U	0.63
trans-1,2-Dichloroethene	156-60-5	0.16	U	0.16	0.63	U	0.63
1,2-Dichloroethene (total)	540-59-0	0.16	U	0.16	0.63	U	0.63
cis-1,2-Dichloroethene	156-59-2	0.16	U	0.16	0.63	U	0.63
Trichloroethene	79-01-6	0.16	U	0.16	0.86	U	0.86
Tetrachloroethene	127-18-4	0.16	U	0.16	1.1	U	1.1

**TO-14/15
Result Summary**

CLIENT SAMPLE NO.

VS-FENCE

Lab Name: TAL Burlington

SDG Number: NY123316

Dilution Factor: 1.50

Sample Matrix: AIR

Lab Sample No.: 734490

Date Analyzed: 12/12/07

Date Received: 12/07/07

Target Compound	CAS Number	Results in ppbv	Q	RL in ppbv	Results in ug/m3	Q	RL in ug/m3
Vinyl Chloride	75-01-4	0.30	U	0.30	0.77	U	0.77
1,1-Dichloroethene	75-35-4	0.30	U	0.30	1.2	U	1.2
trans-1,2-Dichloroethene	156-60-5	0.30	U	0.30	1.2	U	1.2
1,2-Dichloroethene (total)	540-59-0	0.30	U	0.30	1.2	U	1.2
cis-1,2-Dichloroethene	156-59-2	0.30	U	0.30	1.2	U	1.2
Trichloroethene	79-01-6	0.30	U	0.30	1.6	U	1.6
Tetrachloroethene	127-18-4	35		0.30	240		2.0

**TO-14/15
Result Summary**

CLIENT SAMPLE NO.

FB-120607

Lab Name: TAL Burlington

SDG Number: NY123316

Dilution Factor: 0.80

Sample Matrix: AIR

Lab Sample No.: 734491

Date Analyzed: 12/12/07

Date Received: 12/07/07

Target Compound	CAS Number	Results in ppbv	Q	RL in ppbv	Results in ug/m3	Q	RL in ug/m3
Vinyl Chloride	75-01-4	0.16	U	0.16	0.41	U	0.41
1,1-Dichloroethene	75-35-4	0.16	U	0.16	0.63	U	0.63
trans-1,2-Dichloroethene	156-60-5	0.16	U	0.16	0.63	U	0.63
1,2-Dichloroethene (total)	540-59-0	0.16	U	0.16	0.63	U	0.63
cis-1,2-Dichloroethene	156-59-2	0.16	U	0.16	0.63	U	0.63
Trichloroethene	79-01-6	0.16	U	0.16	0.86	U	0.86
Tetrachloroethene	127-18-4	0.16	U	0.16	1.1	U	1.1

**TO-14/15
Result Summary**

CLIENT SAMPLE NO.

BA121107LCS

Lab Name: TAL Burlington

SDG Number: NY123316

Dilution Factor: 1.00

Sample Matrix: AIR

Lab Sample No.: BA121107

Date Analyzed: 12/11/07

Date Received: / /

Target Compound	CAS Number	Results in ppbv	Q	RL in ppbv	Results in ug/m3	Q	RL in ug/m3
Vinyl Chloride	75-01-4	11		0.20	28		0.51
1,1-Dichloroethene	75-35-4	11		0.20	44		0.79
trans-1,2-Dichloroethene	156-60-5	11		0.20	44		0.79
1,2-Dichloroethene (total)	540-59-0	21		0.20	83		0.79
cis-1,2-Dichloroethene	156-59-2	11		0.20	44		0.79
Trichloroethene	79-01-6	10		0.20	54		1.1
Tetrachloroethene	127-18-4	7.8		0.20	53		1.4

**TO-14/15
Result Summary**

CLIENT SAMPLE NO.

BA121107LCSD

Lab Name: TAL Burlington

SDG Number: NY123316

Dilution Factor: 1.00

Sample Matrix: AIR

Lab Sample No.: BA121107

Date Analyzed: 12/11/07

Date Received: / /

Target Compound	CAS Number	Results in ppbv	Q	RL in ppbv	Results in ug/m3	Q	RL in ug/m3
Vinyl Chloride	75-01-4	12		0.20	31		0.51
1,1-Dichloroethene	75-35-4	12		0.20	48		0.79
trans-1,2-Dichloroethene	156-60-5	12		0.20	48		0.79
1,2-Dichloroethene (total)	540-59-0	23		0.20	91		0.79
cis-1,2-Dichloroethene	156-59-2	12		0.20	48		0.79
Trichloroethene	79-01-6	11		0.20	59		1.1
Tetrachloroethene	127-18-4	8.7		0.20	59		1.4

**TO-14/15
Result Summary**

CLIENT SAMPLE NO.

BA121207LCS

Lab Name: TAL Burlington

SDG Number: NY123316

Dilution Factor: 1.00

Sample Matrix: AIR

Lab Sample No.: BA121207

Date Analyzed: 12/12/07

Date Received: / /

Target Compound	CAS Number	Results in ppbv	Q	RL in ppbv	Results in ug/m3	Q	RL in ug/m3
Vinyl Chloride	75-01-4	11		0.20	28		0.51
1,1-Dichloroethene	75-35-4	12		0.20	48		0.79
trans-1,2-Dichloroethene	156-60-5	11		0.20	44		0.79
1,2-Dichloroethene (total)	540-59-0	22		0.20	87		0.79
cis-1,2-Dichloroethene	156-59-2	11		0.20	44		0.79
Trichloroethene	79-01-6	10		0.20	54		1.1
Tetrachloroethene	127-18-4	8.2		0.20	56		1.4

**TO-14/15
Result Summary**

CLIENT SAMPLE NO.

BA121207LCSD

Lab Name: TAL Burlington

SDG Number: NY123316

Dilution Factor: 1.00

Sample Matrix: AIR

Lab Sample No.: BA121207

Date Analyzed: 12/12/07

Date Received: / /

Target Compound	CAS Number	Results in ppbv	Q	RL in ppbv	Results in ug/m3	Q	RL in ug/m3
Vinyl Chloride	75-01-4	11		0.20	28		0.51
1,1-Dichloroethene	75-35-4	11		0.20	44		0.79
trans-1,2-Dichloroethene	156-60-5	11		0.20	44		0.79
1,2-Dichloroethene (total)	540-59-0	22		0.20	87		0.79
cis-1,2-Dichloroethene	156-59-2	11		0.20	44		0.79
Trichloroethene	79-01-6	9.8		0.20	53		1.1
Tetrachloroethene	127-18-4	8.1		0.20	55		1.4

**TO-14/15
Result Summary**

CLIENT SAMPLE NO.

MBLK121107BA

Lab Name: TAL Burlington

SDG Number: NY123316

Dilution Factor: 0.80

Sample Matrix: AIR

Lab Sample No.: MBLK1211

Date Analyzed: 12/11/07

Date Received: / /

Target Compound	CAS Number	Results in ppbv	Q	RL in ppbv	Results in ug/m3	Q	RL in ug/m3
Vinyl Chloride	75-01-4	0.16	U	0.16	0.41	U	0.41
1,1-Dichloroethene	75-35-4	0.16	U	0.16	0.63	U	0.63
trans-1,2-Dichloroethene	156-60-5	0.16	U	0.16	0.63	U	0.63
1,2-Dichloroethene (total)	540-59-0	0.16	U	0.16	0.63	U	0.63
cis-1,2-Dichloroethene	156-59-2	0.16	U	0.16	0.63	U	0.63
Trichloroethene	79-01-6	0.16	U	0.16	0.86	U	0.86
Tetrachloroethene	127-18-4	0.16	U	0.16	1.1	U	1.1

**TO-14/15
Result Summary**

CLIENT SAMPLE NO.

MBLK121207BA

Lab Name: TAL Burlington

SDG Number: NY123316

Dilution Factor: 0.80

Sample Matrix: AIR

Lab Sample No.: MBLK1212

Date Analyzed: 12/12/07

Date Received: / /

Target Compound	CAS Number	Results in ppbv	Q	RL in ppbv	Results in ug/m3	Q	RL in ug/m3
Vinyl Chloride	75-01-4	0.16	U	0.16	0.41	U	0.41
1,1-Dichloroethene	75-35-4	0.16	U	0.16	0.63	U	0.63
trans-1,2-Dichloroethene	156-60-5	0.16	U	0.16	0.63	U	0.63
1,2-Dichloroethene (total)	540-59-0	0.16	U	0.16	0.63	U	0.63
cis-1,2-Dichloroethene	156-59-2	0.16	U	0.16	0.63	U	0.63
Trichloroethene	79-01-6	0.16	U	0.16	0.86	U	0.86
Tetrachloroethene	127-18-4	0.16	U	0.16	1.1	U	1.1

TestAmerica Burlington Data Qualifier Definitions

Organic

- U: Compound analyzed but not detected at a concentration above the reporting limit.
- J: Estimated value.
- N: Indicates presumptive evidence of a compound. This flag is used only for tentatively identified compounds (TICs) where the identification of a compound is based on a mass spectral library search.
- P: SW-846: Greater than 40% difference for detected concentrations between two GC columns. Unless otherwise specified the higher of the two values is reported on the Form I.
- CLP SOW: Greater than 25% difference for detected concentrations between two GC columns. Unless otherwise specified the lower of the two values is reported on the Form I.
- C: Pesticide result whose identification has been confirmed by GC/MS.
- B: Analyte is found in the sample and the associated method blank. The flag is used for tentatively identified compounds as well as positively identified compounds.
- E: Compounds whose concentrations exceed the upper limit of the calibration range of the instrument for that specific analysis.
- D: Concentrations identified from analysis of the sample at a secondary dilution.
- A: Tentatively identified compound is a suspected aldol condensation product.
- X,Y,Z: Laboratory defined flags that may be used alone or combined, as needed. If used, the description of the flag is defined in the project narrative.

Inorganic/Metals

- E: Reported value is estimated due to the presence of interference.
- N: Matrix spike sample recovery is not within control limits.
- * Duplicate sample analysis is not within control limits.
- B: The result reported is less than the reporting limit but greater than the instrument detection limit.
- U: Analyte was analyzed for but not detected above the reporting limit.

Method Codes:

- P ICP-AES
MS ICP-MS
CV Cold Vapor AA
AS Semi-Automated Spectrophotometric



Chain of Custody

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: ROB KOVACS										Samples Collected By: THANA KOTARAKIS (Row)										1 of 2 COCs									
Company: ROB ASSOCIATES, INC										Phone: 631-232-2600																													
Address: 204 SHAFER ST										Email: rkovacs@robinc.com																													
City/State/Zip: ISLANDIA, NY 11749																																							
Phone: 631-232-2600										Site Contact: ROB KOVACS																													
FAX: 631-232-4395										STL Contact: ROB																													
Project Name: GENCHEM 168601Y										Analysis Turnaround Time																													
Site: OCEANSIDE, NY										Standard (Specify) 2-week TAT																													
PO #										Rush (Specify)																													
Sample Identification	Sample Date(s)	Time Start	Time Stop	Canister Vacuum in Field, "Hg (Start)	Canister Vacuum in Field, "Hg (Stop)	Flow Controller ID	Canister ID	TO-15	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)																					
VS-DCF	12/6/07	0833	1653	-30	-7	3979	3487																																
VS-MRE		0855	1645	-30	-4	3723	4295																																
DUP-120607		0900	1645	-30	-4	3171	4363																																
VS-DCR		0907	1710	-30	-6	3852	4542																																
IAQ-BOOK		0920	1728	-30	-4.5	3737	4428							X																									
VS-BOOK	V	0932	1732	-30	-6	2580	4100																																
Temperature (Fahrenheit) <table border="1"> <tr> <td>Interior</td> <td>Ambient</td> </tr> <tr> <td></td> <td>24°F</td> </tr> <tr> <td>Stop</td> <td>30°F</td> </tr> </table>																			Interior	Ambient		24°F	Stop	30°F															
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Pressure (inches of Hg) <table border="1"> <tr> <td>Interior</td> <td>Ambient</td> </tr> <tr> <td></td> <td>30.24" rising</td> </tr> <tr> <td>Stop</td> <td>30.35" steady</td> </tr> </table>																			Interior	Ambient		30.24" rising	Stop	30.35" steady															
Interior	Ambient																																						
	30.24" rising																																						
Stop	30.35" steady																																						
Special Instructions/QC Requirements & Comments: New Analyze samples for 1,1-Dichloroethene; Cis-1,2-Dichloroethene; Trans-1,2-Dichloroethene; 1,2-Dichloroethene (Total); Tetrachloroethene; Trichloroethene. And Vinyl Chloride using method TO-15. All results must have a Detection Limit of 1 ug/m3 or less and please provide NYSDEC AsP Category B Deliverable. (2-week TAT)																																							
Samples Shipped by: Rob Kovacs (Row)										Date/Time: 12/6/07										Samples Received by: 12/7/07 0935																			
Samples Relinquished by:										Date/Time:										Received by:																			
Relinquished by:										Date/Time:										Received by:																			

Lab Use Only Shipper Name: Condition: Opened by:

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: ROB KOVALS				Samples Collected By: ANDREA KOSTAGE (Roux)				2 of 2 COCs																					
Company: ROUX ASSOCIATES, INC.				Phone: 631-232-2600																													
Address: 204 SHAFER ST				Email: RKOVALS@ROUXINC.COM																													
City/State/Zip: PLANDIA NY 11744				Site Contact: ROB KOVALS																													
Phone: 631-232-2600				STL Contact: RON																													
FAX: 631-232-2600																																	
Project Name: GEN CHEM 165-601Y				Analysis Turnaround Time																													
Site: OCEANSIDE NY				Standard (Specify) 2-week TAT																													
PO #				Rush (Specify)																													
Sample Identification				Sample Date(s)	Time Start	Canister Vacuum in Field, "Hg (Start)	Canister Vacuum in Field, "Hg (Stop)	Flow Controller ID	Canister ID	TO-15	TO-14A	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)												
1AQ-VAC	12/6/07	0948	-30	-4	4515	3464																											
VS-VAC	1	0959	-30	-45	4103	4342																											
AMB	1	1011	-30	-4	3754	3081																											
VS-FENCE	1	1027	-30	-18"	3238	4288																											
FB-120607	↓	1300	—	—	—	4311																											
Temperature (Fahrenheit) <table border="1"> <tr> <th>Interior</th> <th>Ambient</th> </tr> <tr> <td>Start</td> <td>24°F</td> </tr> <tr> <td>Stop</td> <td>30°F</td> </tr> </table> Pressure (inches of Hg) <table border="1"> <tr> <th>Interior</th> <th>Ambient</th> </tr> <tr> <td>Start</td> <td>30.24" rising</td> </tr> <tr> <td>Stop</td> <td>30.35" steady</td> </tr> </table>																						Interior	Ambient	Start	24°F	Stop	30°F	Interior	Ambient	Start	30.24" rising	Stop	30.35" steady
Interior	Ambient																																
Start	24°F																																
Stop	30°F																																
Interior	Ambient																																
Start	30.24" rising																																
Stop	30.35" steady																																
Special Instructions/QC Requirements & Comments: Please Analyze samples for 1,1-Dichloroethene; 1,2-Dichloroethene; Trichloroethene; and Vinyl Chloride using method TO-15. ALL RESULTS MUST HAVE A DETECTION LIMIT OF 1 µg/m³ OR LESS, and please provide NYSDEC Asst. Category B deliverable. (2-week TAT) FB-120607 is a field blank sample																																	
Samples Shipped by: RO KOVALS (Roux)										Samples Received by: 12/7/07 0935																							
Samples Relinquished by:										Received by:																							
Relinquished by:										Received by:																							
Lab Use Only										Shipper Name:																							
Opened by:										Condition:																							



QC Summary – TO-15 Volatile

FORM 3
AIR VOLATILE LAB CONTROL SAMPLE

Lab Name: TESTAMERICA BURLINGTON Contract: 27000

Lab Code: STLV Case No.: 27000 SAS No.: SDG No.: NY123316

Matrix Spike - Sample No.: BA121107LCS

COMPOUND	SPIKE ADDED (ppbv)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ppbv)	LCS % REC #	QC. LIMITS REC.
Vinyl Chloride	10		11	110	70-130
1,1-Dichloroethene	10		11	110	70-130
trans-1,2-Dichloroethen	10		11	110	70-130
1,2-Dichloroethene (tot	20		21	105	70-130
cis-1,2-Dichloroethene	10		11	110	70-130
Trichloroethene	10		10	100	70-130
Tetrachloroethene	10		7.8	78	70-130

COMPOUND	SPIKE ADDED (ppbv)	LCSD CONCENTRATION (ppbv)	LCSD % REC #	% RPD #	QC LIMITS RPD REC.
Vinyl Chloride	10	12	120	9	25 70-130
1,1-Dichloroethene	10	12	120	9	25 70-130
trans-1,2-Dichloroethen	10	12	120	9	25 70-130
1,2-Dichloroethene (tot	20	23	115	9	25 70-130
cis-1,2-Dichloroethene	10	12	120	9	25 70-130
Trichloroethene	10	11	110	10	25 70-130
Tetrachloroethene	10	8.7	87	11	25 70-130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 7 outside limits

Spike Recovery: 0 out of 14 outside limits

COMMENTS:

FORM 3
AIR VOLATILE LAB CONTROL SAMPLE

Lab Name: TESTAMERICA BURLINGTON Contract: 27000

Lab Code: STLV Case No.: 27000 SAS No.: SDG No.: NY123316

Matrix Spike - Sample No.: BA121207LCS

COMPOUND	SPIKE ADDED (ppbv)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ppbv)	LCS % REC #	QC. LIMITS REC.
Vinyl Chloride	10		11	110	70-130
1,1-Dichloroethene	10		12	120	70-130
trans-1,2-Dichloroethen	10		11	110	70-130
1,2-Dichloroethene (tot	20		22	110	70-130
cis-1,2-Dichloroethene	10		11	110	70-130
Trichloroethene	10		10	100	70-130
Tetrachloroethene	10		8.2	82	70-130

COMPOUND	SPIKE ADDED (ppbv)	LCSD CONCENTRATION (ppbv)	LCSD % REC #	% RPD #	QC LIMITS RPD REC.
Vinyl Chloride	10	11	110	0	25 70-130
1,1-Dichloroethene	10	11	110	9	25 70-130
trans-1,2-Dichloroethen	10	11	110	0	25 70-130
1,2-Dichloroethene (tot	20	22	110	0	25 70-130
cis-1,2-Dichloroethene	10	11	110	0	25 70-130
Trichloroethene	10	9.8	98	2	25 70-130
Tetrachloroethene	10	8.1	81	1	25 70-130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 7 outside limits

Spike Recovery: 0 out of 14 outside limits

COMMENTS:

FORM III VOA

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

MBLK121107BA

Lab Name: TESTAMERICA BURLINGTON Contract: 27000

Lab Code: STLV Case No.: 27000 SAS No.: SDG No.: NY123316

Lab File ID: BGIB02H Lab Sample ID: MBLK121107BA

Date Analyzed: 12/11/07 Time Analyzed: 1551

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

Instrument ID: B

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
	=====	=====	=====	=====
01	BA121107LCS	BA121107LCS	BGI10HQ	1326
02	BA121107LCSD	BA121107LCSD	BGI10HQD	1414
03	VS-DCF	734481	734481D2	1904
04	VS-MRE	734482	734482D2	1952
05	DUP-120607	734483	734483D2	2041
06	VS-DCR	734484	734484D2	2129
07	IAQ-BOOK	734485	734485I2	2218
08	VS-BOOK	734486	734486D2	2307
09	IAQ-VAC	734487	734487I2	2356
10	VS-VAC	734488	734488D2	0044
11	AMB	734489	734489I2	0132
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				

COMMENTS:

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

MBLK121207BA

Lab Name: TESTAMERICA BURLINGTON Contract: 27000

Lab Code: STLV Case No.: 27000 SAS No.: SDG No.: NY123316

Lab File ID: BGIB02I Lab Sample ID: MBLK121207BA

Date Analyzed: 12/12/07 Time Analyzed: 1805

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

Instrument ID: B

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
	=====	=====	=====	=====
01	BA121207LCS	BA121207LCS	BGI10IQ	1539
02	BA121207LCSD	BA121207LCSD	BGI10IQD	1628
03	VS-FENCE	734490	734490	1854
04	FB-120607	734491	734491	1942
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
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28				
29				
30				

COMMENTS:

FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TESTAMERICA BURLINGTON Contract: 27000
Lab Code: STLV Case No.: 27000 SAS No.: SDG No.: NY123316
Lab File ID: BGI01PV BFB Injection Date: 11/28/07
Instrument ID: B BFB Injection Time: 1032
GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	15.3
75	30.0 - 66.0% of mass 95	43.9
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.0
173	Less than 2.0% of mass 174	0.4 (0.4)1
174	50.0 - 120.0% of mass 95	87.4
175	4.0 - 9.0% of mass 174	6.0 (6.8)1
176	93.0 - 101.0% of mass 174	84.0 (96.1)1
177	5.0 - 9.0% of mass 176	5.5 (6.5)2

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

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	ASTD010	ASTD010	BGI10V	11/28/07	1345
02	ASTD015	ASTD015	BGI15V	11/28/07	1434
03	ASTD020	ASTD020	BGI20V	11/28/07	1522
04	ASTD040	ASTD040	BGI40V	11/28/07	1611
05	ASTD0002	ASTD0002	BGI002V2	11/28/07	1924
06	ASTD0005	ASTD0005	BGI005V2	11/28/07	2012
07	ASTD005	ASTD005	BGI05V2	11/29/07	0921
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TESTAMERICA BURLINGTON Contract: 27000
Lab Code: STLV Case No.: 27000 SAS No.: SDG No.: NY123316
Lab File ID: BGI09PV BFB Injection Date: 12/11/07
Instrument ID: B BFB Injection Time: 1040
GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	16.2
75	30.0 - 66.0% of mass 95	45.1
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.2
173	Less than 2.0% of mass 174	0.4 (0.5)1
174	50.0 - 120.0% of mass 95	80.4
175	4.0 - 9.0% of mass 174	5.7 (7.1)1
176	93.0 - 101.0% of mass 174	77.0 (95.8)1
177	5.0 - 9.0% of mass 176	4.9 (6.4)2

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

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	ASTD010	ASTD010	BGI10HV2	12/11/07	1237
02	BA121107LCS	BA121107LCS	BGI10HQ	12/11/07	1326
03	BA121107LCSD	BA121107LCSD	BGI10HQD	12/11/07	1414
04	MBLK121107BA	MBLK121107BA	BGIB02H	12/11/07	1551
05	VS-DCF	734481	734481D2	12/11/07	1904
06	VS-MRE	734482	734482D2	12/11/07	1952
07	DUP-120607	734483	734483D2	12/11/07	2041
08	VS-DCR	734484	734484D2	12/11/07	2129
09	IAQ-BOOK	734485	734485I2	12/11/07	2218
10	VS-BOOK	734486	734486D2	12/11/07	2307
11	IAQ-VAC	734487	734487I2	12/11/07	2356
12	VS-VAC	734488	734488D2	12/12/07	0044
13	AMB	734489	734489I2	12/12/07	0132
14					
15					
16					
17					
18					
19					
20					
21					
22					

FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TESTAMERICA BURLINGTON Contract: 27000
Lab Code: STLV Case No.: 27000 SAS No.: SDG No.: NY123316
Lab File ID: BGI10PV BFB Injection Date: 12/12/07
Instrument ID: B BFB Injection Time: 1119
GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	15.5
75	30.0 - 66.0% of mass 95	43.7
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.1
173	Less than 2.0% of mass 174	0.4 (0.5)1
174	50.0 - 120.0% of mass 95	83.7
175	4.0 - 9.0% of mass 174	6.0 (7.1)1
176	93.0 - 101.0% of mass 174	81.6 (97.5)1
177	5.0 - 9.0% of mass 176	5.4 (6.6)2

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

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	ASTD010	ASTD010	BGI10IV3	12/12/07	1444
02	BA121207LCS	BA121207LCS	BGI10IQ	12/12/07	1539
03	BA121207LCSD	BA121207LCSD	BGI10IQD	12/12/07	1628
04	MBLK121207BA	MBLK121207BA	BGIB02I	12/12/07	1805
05	VS-FENCE	734490	734490	12/12/07	1854
06	FB-120607	734491	734491	12/12/07	1942
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

FORM 8
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: TESTAMERICA BURLINGTON Contract: 27000
Lab Code: STLV Case No.: 27000 SAS No.: SDG No.: NY123316
Lab File ID (Standard): BGI10HV2 Date Analyzed: 12/11/07
Instrument ID: B Time Analyzed: 1237
GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

		IS1 (BCM)		IS2 (DFB)		IS3 (CBZ)	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
=====		=====	=====	=====	=====	=====	=====
12 HOUR STD		257722	8.89	1226091	9.75	1285189	12.15
UPPER LIMIT		360811	9.22	1716527	10.08	1799265	12.48
LOWER LIMIT		154633	8.56	735655	9.42	771113	11.82
=====		=====	=====	=====	=====	=====	=====
CLIENT							
SAMPLE NO.							
=====		=====	=====	=====	=====	=====	=====
01	BA121107LCS	265923	8.89	1248472	9.75	1324587	12.15
02	BA121107LCSD	248150	8.89	1133581	9.75	1189944	12.15
03	MBLK121107BA	231688	8.89	1195838	9.74	882505	12.15
04	VS-DCF	224050	8.89	1144287	9.75	1066975	12.15
05	VS-MRE	241149	8.89	1260907	9.75	994876	12.15
06	DUP-120607	243802	8.89	1284883	9.75	1013393	12.15
07	VS-DCR	211830	8.89	1106618	9.75	828558	12.15
08	IAQ-BOOK	228782	8.89	1124327	9.75	1066581	12.15
09	VS-BOOK	243857	8.89	1258804	9.75	1015055	12.15
10	IAQ-VAC	232841	8.89	1133395	9.75	1090110	12.15
11	VS-VAC	220332	8.89	1124973	9.75	899528	12.15
12	AMB	206069	8.89	987593	9.75	944022	12.15
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							

IS1 (BCM) = Bromochloromethane
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-d5

AREA UPPER LIMIT = + 40% of internal standard area
AREA LOWER LIMIT = - 40% of internal standard area
RT UPPER LIMIT = + 0.33 minutes of internal standard RT
RT LOWER LIMIT = - 0.33 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

FORM 8
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: TESTAMERICA BURLINGTON Contract: 27000
Lab Code: STLV Case No.: 27000 SAS No.: SDG No.: NY123316
Lab File ID (Standard): BGI10IV3 Date Analyzed: 12/12/07
Instrument ID: B Time Analyzed: 1444
GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

	IS1 (BCM)		IS2 (DFB)		IS3 (CBZ)	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
=====	=====	=====	=====	=====	=====	=====
12 HOUR STD	277050	8.89	1336585	9.75	1366124	12.15
UPPER LIMIT	387870	9.22	1871219	10.08	1912574	12.48
LOWER LIMIT	166230	8.56	801951	9.42	819674	11.82
=====	=====	=====	=====	=====	=====	=====
CLIENT						
SAMPLE NO.						
=====	=====	=====	=====	=====	=====	=====
01 BA121207LCS	263392	8.89	1269450	9.75	1334568	12.15
02 BA121207LCSD	269675	8.89	1349494	9.75	1385268	12.15
03 MBLK121207BA	230487	8.89	1260424	9.74	1031209	12.15
04 VS-FENCE	247788	8.89	1271934	9.75	1178116	12.15
05 FB-120607	252839	8.89	1258312	9.75	1101025	12.15
06						
07						
08						
09						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						

IS1 (BCM) = Bromochloromethane
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-d5

AREA UPPER LIMIT = + 40% of internal standard area
AREA LOWER LIMIT = - 40% of internal standard area
RT UPPER LIMIT = + 0.33 minutes of internal standard RT
RT LOWER LIMIT = - 0.33 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.



Supportive Documentation – TO-15 Volatile

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

ROUX1 SAMPLE NO.

AMB

Lab Name: TESTAMERICA BURLINGTON Contract: 27000

Lab Code: STLV Case No.: 27000 SAS No.: SDG No.: NY123316

Matrix: (soil/water) AIR Lab Sample ID: 734489

Sample wt/vol: 250.0 (g/mL) ML Lab File ID: 734489I2

Level: (low/med) LOW Date Received: 12/07/07

% Moisture: not dec. Date Analyzed: 12/12/07

GC Column: RTX-624 ID: 0.32 (mm) Dilution Factor: 0.8

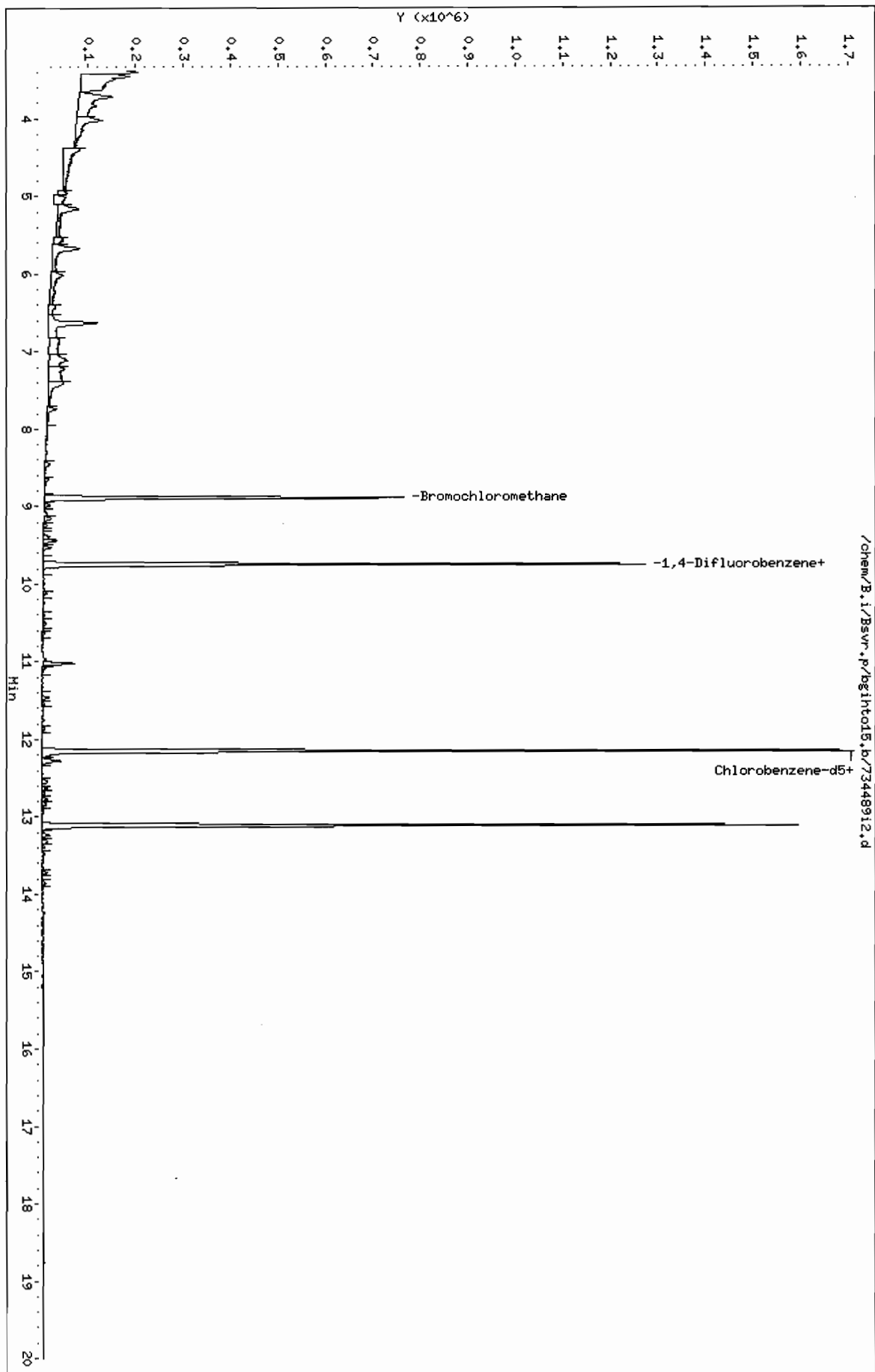
Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) PPBV		Q
75-01-4-----	Vinyl Chloride	0.16	U	
75-35-4-----	1,1-Dichloroethene	0.16	U	
156-60-5-----	trans-1,2-Dichloroethene	0.16	U	
540-59-0-----	1,2-Dichloroethene (total)	0.16	U	
156-59-2-----	cis-1,2-Dichloroethene	0.16	U	
79-01-6-----	Trichloroethene	0.16	U	
127-18-4-----	Tetrachloroethene	0.16	U	

FORM I VOA

Data File: /chem/B.i/Bsvr.p/bg1ht015.b/73448912.d
Date: 12-DEC-2007 01:32
Client ID: AHB
Sample Info: AHB : I 112/06/07 01801 (AIR)
Purge Volume: 250.0
Column phase: RTX-624

Instrument: B.i
Operator: wrd
Column diameter: 0.32



Data File: /chem/B.i/Bsvr.p/bgihto15.b/734489i2.d
Report Date: 13-Dec-2007 13:40

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TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/B.i/Bsvr.p/bgihto15.b/734489i2.d
Lab Smp Id: 734489 Client Smp ID: AMB
Inj Date : 12-DEC-2007 01:32
Operator : wrd Inst ID: B.i
Smp Info : AMB : [] 12/06/07 @1801(AIR)
Misc Info : 734489;121107BA;0.8;250
Comment :
Method : /chem/B.i/Bsvr.p/bgihto15.b/rto15.m
Meth Date : 13-Dec-2007 13:39 sv Quant Type: ISTD
Cal Date : 29-NOV-2007 09:21 Cal File: bgi05v2.d
Als bottle: 15
Dil Factor: 0.80000
Integrator: HP RTE Compound Sublist: ROUX1_Ocean.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	0.80000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	250.00000	Sample Volume purged (mL)

Cpnd Variable

Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ppbv)	FINAL (ppbv)
4 Vinyl Chloride	62				Compound Not Detected.		
11 1,1-Dichloroethene	96				Compound Not Detected.		
19 trans-1,2-Dichloroethene	61				Compound Not Detected.		
M 22 1,2-Dichloroethene (total)	61				Compound Not Detected.		
24 cis-1,2-Dichloroethene	96				Compound Not Detected.		
* 25 Bromochloromethane	128	8.893	8.893	(1.000)	206069	10.0000	
* 35 1,4-Difluorobenzene	114	9.747	9.747	(1.000)	987593	10.0000	
36 Trichloroethene	95				Compound Not Detected.		
46 Tetrachloroethene	166				Compound Not Detected.		
* 50 Chlorobenzene-d5	117	12.154	12.154	(1.000)	944022	10.0000	

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

ROUX1 SAMPLE NO.

DUP-120607

Lab Name: TESTAMERICA BURLINGTON Contract: 27000

Lab Code: STLV Case No.: 27000 SAS No.: SDG No.: NY123316

Matrix: (soil/water) AIR Lab Sample ID: 734483

Sample wt/vol: 49.00 (g/mL) ML Lab File ID: 734483D2

Level: (low/med) LOW Date Received: 12/07/07

% Moisture: not dec. Date Analyzed: 12/11/07

GC Column: RTX-624 ID: 0.32 (mm) Dilution Factor: 899.0

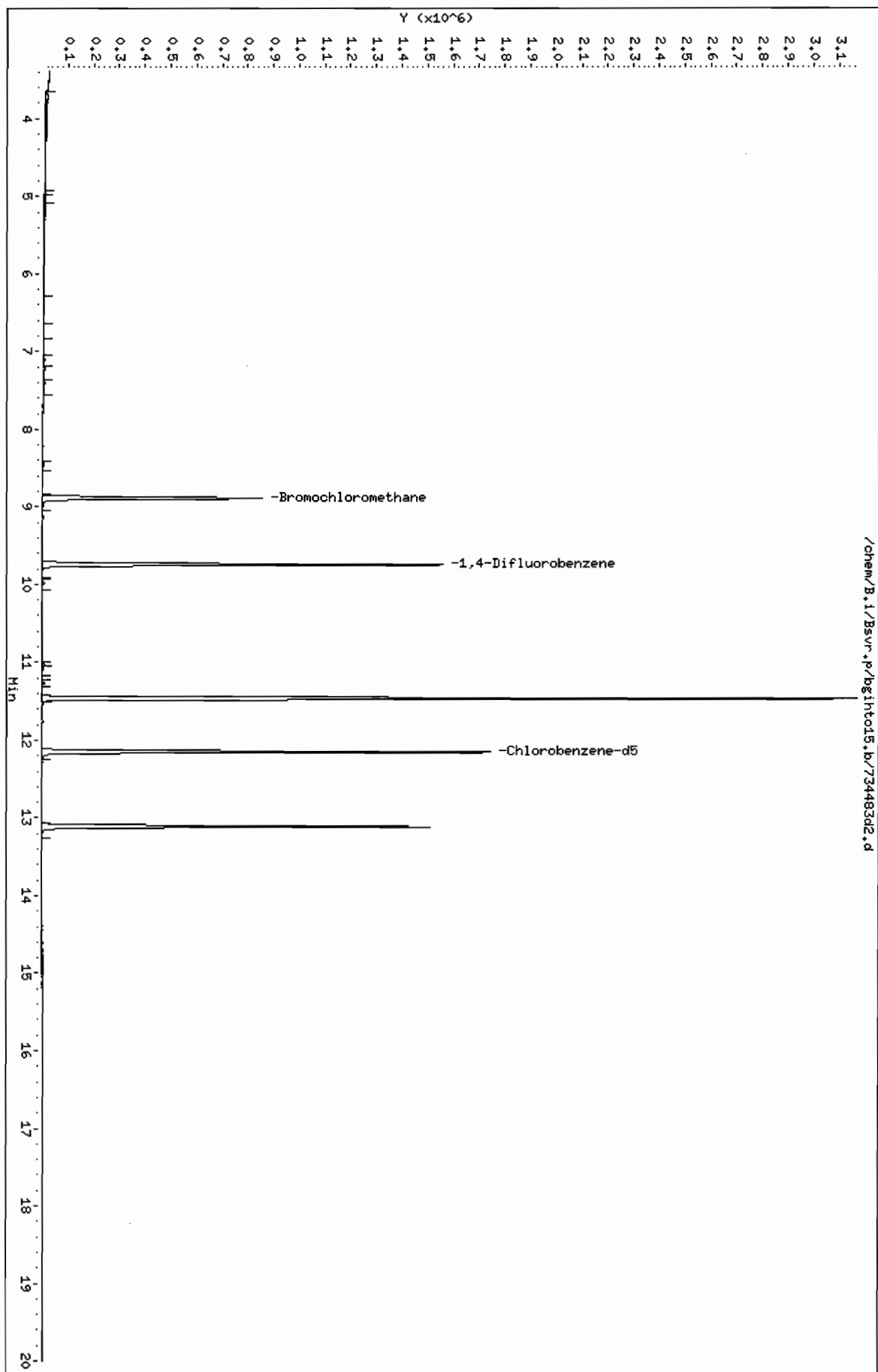
Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg) PPBV	Q
75-01-4-----	Vinyl Chloride	180	U
75-35-4-----	1,1-Dichloroethene	180	U
156-60-5-----	trans-1,2-Dichloroethene	180	U
540-59-0-----	1,2-Dichloroethene (total)	180	U
156-59-2-----	cis-1,2-Dichloroethene	180	U
79-01-6-----	Trichloroethene	180	U
127-18-4-----	Tetrachloroethene	18000	

FORM I VOA

Data File: /chem/B.i/Bsyr.p/bg1ht015.b/734483d2.d
Date: 11-DEC-2007 20:41
Client ID: DUP-120607
Sample Info: DUP-120607 : I 112/06/07 01645(AIR)
Purge Volume: 49.0
Column phase: RTX-624

Instrument: B.i
Operator: wrd
Column diameter: 0.32



Data File: /chem/B.i/Bsvr.p/bgihto15.b/734483d2.d
Report Date: 13-Dec-2007 14:06

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AIR TOXICS QUANTITATION REPORT

Data file : /chem/B.i/Bsvr.p/bgihto15.b/734483d2.d
Lab Smp Id: 734483 Client Smp ID: DUP-120607
Inj Date : 11-DEC-2007 20:41
Operator : wrd Inst ID: B.i
Smp Info : DUP-120607 : [] 12/06/07 @1645(AIR)
Misc Info : 734483;121107BA;899;49;CDF220
Comment :
Method : /chem/B.i/Bsvr.p/bgihto15.b/rto15.m
Meth Date : 13-Dec-2007 13:39 sv Quant Type: ISTD
Cal Date : 29-NOV-2007 09:21 Cal File: bgi05v2.d
Als bottle: 9
Dil Factor: 899.00000
Integrator: HP RTE Compound Sublist: ROUX1_Ocean.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	899.00000 ✓	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	49.00000	Sample Volume purged (mL)

Cpnd Variable

Local Compound Variable

Compounds	QUANT SIG	CONCENTRATIONS					
		RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ppbv)	FINAL (ppbv)
4 Vinyl Chloride	62						
11 1,1-Dichloroethene	96						
19 trans-1,2-Dichloroethene	61						
M 22 1,2-Dichloroethene (total)	61						
24 cis-1,2-Dichloroethene	96						
* 25 Bromochloromethane	128	8.887	8.893	(1.000)	243802	10.0000	
* 35 1,4-Difluorobenzene	114	9.747	9.747	(1.000)	1284883	10.0000	
36 Trichloroethene	95						
46 Tetrachloroethene	166	11.460	11.465	(0.943)	895293	19.7765 ✓	18000
* 50 Chlorobenzene-d5	117	12.148	12.154	(1.000)	1013393	10.0000	

Data File: /chem/B.i/Bsvr.p/bginto15,b/734483d2.d

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Date : 11-DEC-2007 20:41

Client ID: DUP-120607

Instrument: B.i

Sample Info: DUP-120607 :[112/06/07 @1645(AIR)

Purge Volume: 49.0

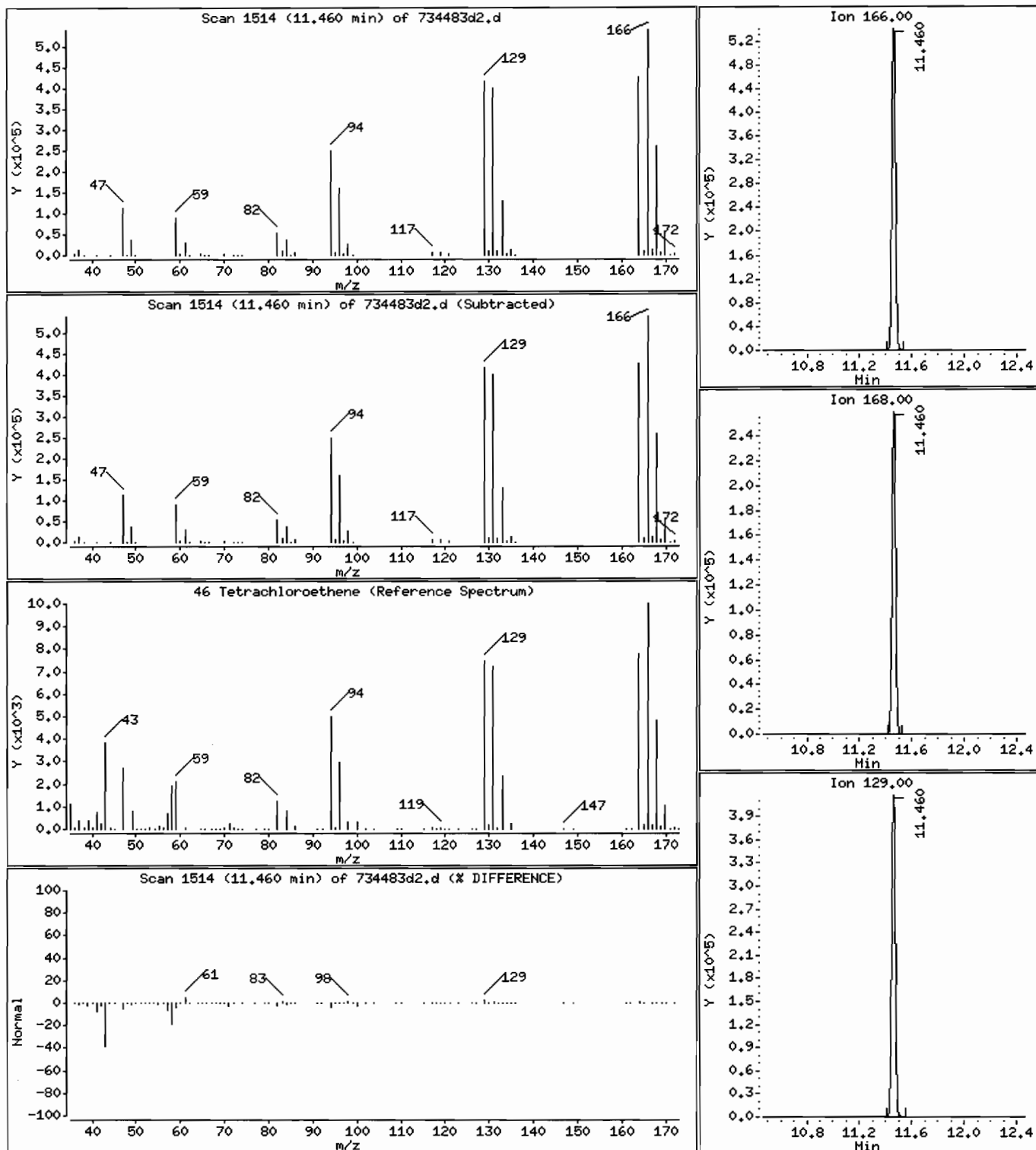
Operator: wrd

Column phase: RTX-624

Column diameter: 0.32

46 Tetrachloroethene

Concentration: 18000 ppbv



FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

ROUX1 SAMPLE NO.

FB-120607

Lab Name: TESTAMERICA BURLINGTON Contract: 27000

Lab Code: STLV Case No.: 27000 SAS No.: SDG No.: NY123316

Matrix: (soil/water) AIR Lab Sample ID: 734491

Sample wt/vol: 250.0 (g/mL) ML Lab File ID: 734491

Level: (low/med) LOW Date Received: 12/07/07

% Moisture: not dec. Date Analyzed: 12/12/07

GC Column: RTX-624 ID: 0.32 (mm) Dilution Factor: 0.8

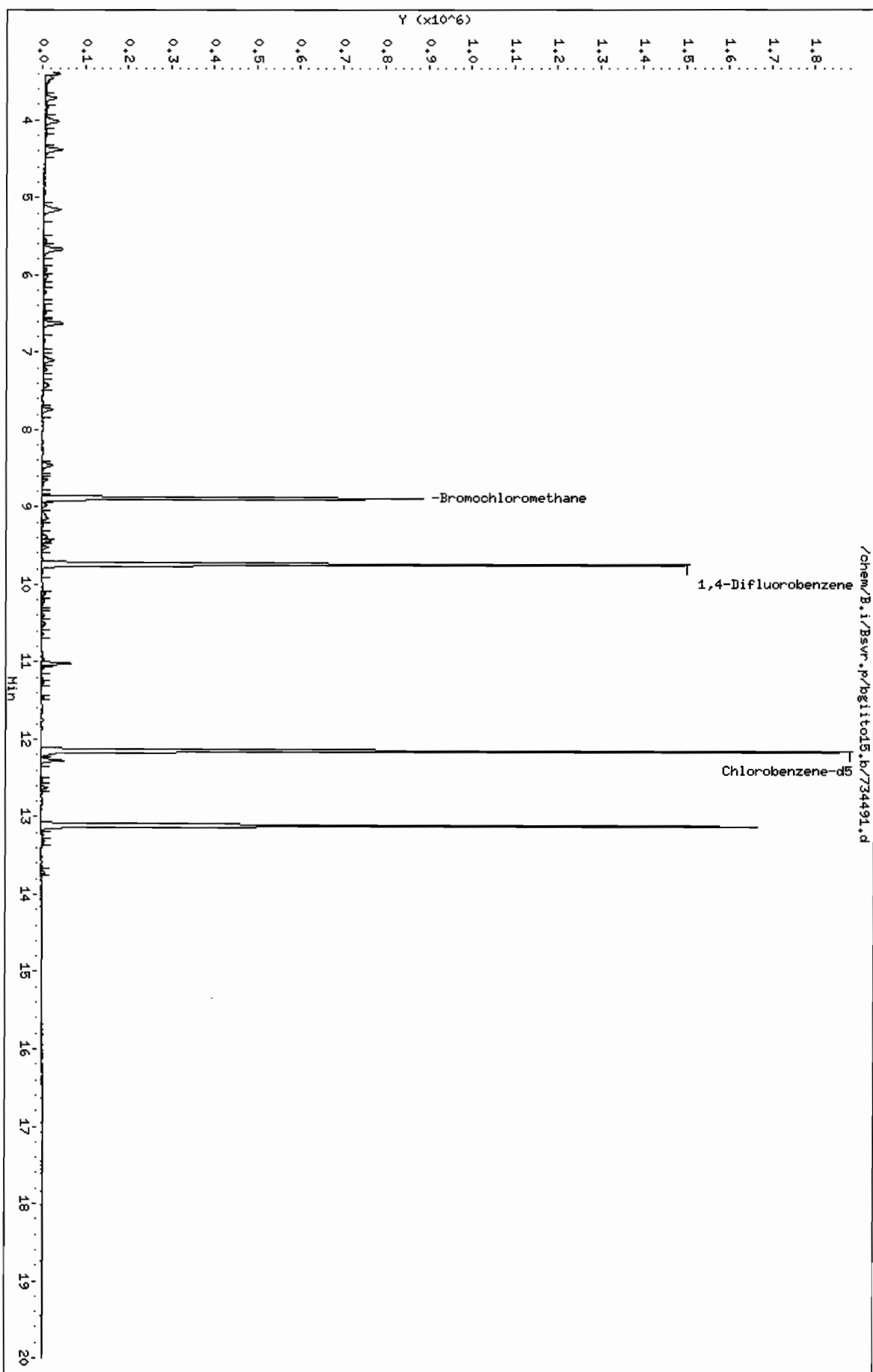
Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) PPBV	Q
75-01-4-----	Vinyl Chloride	0.16 U	
75-35-4-----	1,1-Dichloroethene	0.16 U	
156-60-5-----	trans-1,2-Dichloroethene	0.16 U	
540-59-0-----	1,2-Dichloroethene (total)	0.16 U	
156-59-2-----	cis-1,2-Dichloroethene	0.16 U	
79-01-6-----	Trichloroethene	0.16 U	
127-18-4-----	Tetrachloroethene	0.16 U	

FORM I VOA

Data File: /chem/B.i/Bswr.p/bgiltol5.b/734491.d
Date: 12-DEC-2007 19:42
Client ID: FB-120607
Sample Info: FB-120607 : L 112/06/07 01300(AIR)
Purge Volume: 250.0
Column phase: RTX-624

Instrument: B.i
Operator: wrd
Column diameter: 0.32



Data File: /chem/B.i/Bsvr.p/bgiito15.b/734491.d
Report Date: 13-Dec-2007 13:45

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TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/B.i/Bsvr.p/bgiito15.b/734491.d
Lab Smp Id: 734491 Client Smp ID: FB-120607
Inj Date : 12-DEC-2007 19:42
Operator : wrd Inst ID: B.i
Smp Info : FB-120607 :[]12/06/07 @1300(AIR)
Misc Info : 734491;121207BA;.8;250
Comment :
Method : /chem/B.i/Bsvr.p/bgiito15.b/rto15.m
Meth Date : 13-Dec-2007 13:45 sv Quant Type: ISTD
Cal Date : 29-NOV-2007 09:21 Cal File: bgi05v2.d
Als bottle: 5
Dil Factor: 0.80000
Integrator: HP RTE Compound Sublist: ROUX1_Ocean.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	0.80000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	250.00000	Sample Volume purged (mL)

Cpnd Variable

Local Compound Variable

Compounds	QUANT SIG	CONCENTRATIONS					
		RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ppbv)	FINAL (ppbv)
4 Vinyl Chloride	62						
11 1,1-Dichloroethene	96						
19 trans-1,2-Dichloroethene	61						
M 22 1,2-Dichloroethene (total)	61						
24 cis-1,2-Dichloroethene	96						
* 25 Bromochloromethane	128	8.887	8.893	(1.000)	252839	10.0000	
* 35 1,4-Difluorobenzene	114	9.747	9.747	(1.000)	1258312	10.0000	
36 Trichloroethene	95						
46 Tetrachloroethene	166						
* 50 Chlorobenzene-d5	117	12.148	12.154	(1.000)	1101025	10.0000	

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

ROUX1 SAMPLE NO.

IAQ-BOOK

Lab Name: TESTAMERICA BURLINGTON Contract: 27000

Lab Code: STLV Case No.: 27000 SAS No.: SDG No.: NY123316

Matrix: (soil/water) AIR Lab Sample ID: 734485

Sample wt/vol: 250.0 (g/mL) ML Lab File ID: 734485I2

Level: (low/med) LOW Date Received: 12/07/07

% Moisture: not dec. Date Analyzed: 12/11/07

GC Column: RTX-624 ID: 0.32 (mm) Dilution Factor: 0.8

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg) PPBV	Q
75-01-4-----	Vinyl Chloride	0.16	U
75-35-4-----	1,1-Dichloroethene	0.16	U
156-60-5-----	trans-1,2-Dichloroethene	0.16	U
540-59-0-----	1,2-Dichloroethene (total)	0.16	U
156-59-2-----	cis-1,2-Dichloroethene	0.16	U
79-01-6-----	Trichloroethene	1.1	
127-18-4-----	Tetrachloroethene	13	

FORM I VOA

Data File: /chem/B.i/Bsyr.p/bg1ht015.b/73448512.d

Date: 11-DEC-2007 22:18

Client ID: IAQ-B00K

Sample Info: IAQ-B00K : L 112/06/07 01728(AIR)

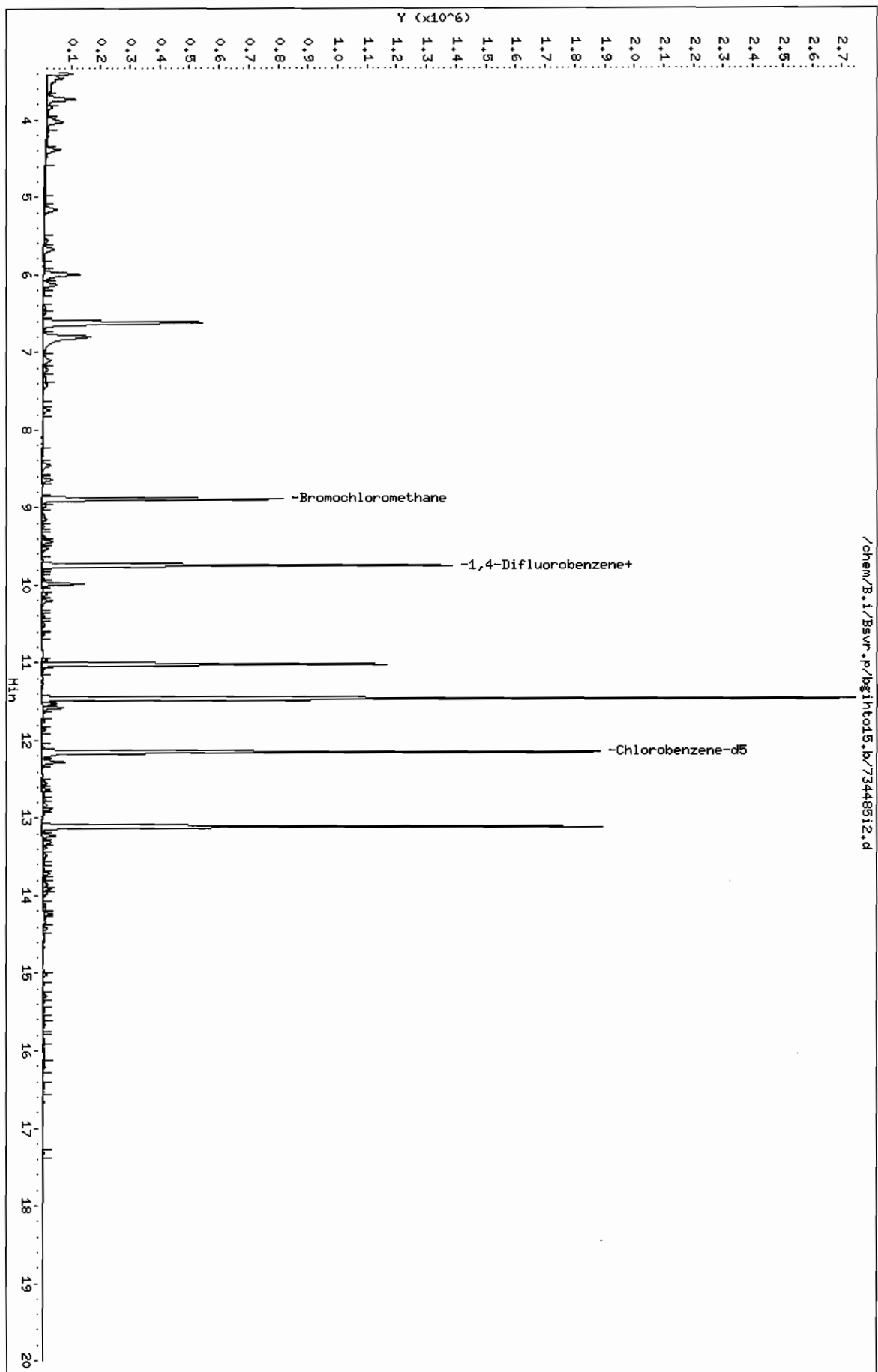
Purge Volume: 250.0

Column phase: RTX-624

Instrument: B.i

Operator: wrd

Column diameter: 0.32



Data File: /chem/B.i/Bsvr.p/bgihto15.b/734485i2.d
Report Date: 13-Dec-2007 13:40

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AIR TOXICS QUANTITATION REPORT

Data file : /chem/B.i/Bsvr.p/bgihto15.b/734485i2.d
Lab Smp Id: 734485 Client Smp ID: IAQ-BOOK
Inj Date : 11-DEC-2007 22:18
Operator : wrd Inst ID: B.i
Smp Info : IAQ-BOOK :[]12/06/07 @1728(AIR)
Misc Info : 734485;121107BA;0.8;250
Comment :
Method : /chem/B.i/Bsvr.p/bgihto15.b/rto15.m
Meth Date : 13-Dec-2007 13:39 sv Quant Type: ISTD
Cal Date : 29-NOV-2007 09:21 Cal File: bgi05v2.d
Als bottle: 11
Dil Factor: 0.80000
Integrator: HP RTE Compound Sublist: ROUX1_Ocean.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	0.80000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	250.00000	Sample Volume purged (mL)

Cpnd Variable

Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ppbv)	FINAL (ppbv)
4 Vinyl Chloride	62						
11 1,1-Dichloroethene	96						
19 trans-1,2-Dichloroethene	61						
M 22 1,2-Dichloroethene (total)	61						
24 cis-1,2-Dichloroethene	96						
* 25 Bromochloromethane	128	8.893	8.893	(1.000)	228782	10.0000	
* 35 1,4-Difluorobenzene	114	9.747	9.747	(1.000)	1124327	10.0000	
36 Trichloroethene	95	9.987	9.987	(1.025)	49687	1.34073	1.1
46 Tetrachloroethene	166	11.460	11.465	(0.943)	770683	16.1750	13
* 50 Chlorobenzene-d5	117	12.148	12.154	(1.000)	1066581	10.0000	

Date : 11-DEC-2007 22:18

Client ID: IAQ-B00K

Instrument: B.i

Sample Info: IAQ-B00K :[112/06/07 @1728(AIR)

Purge Volume: 250.0

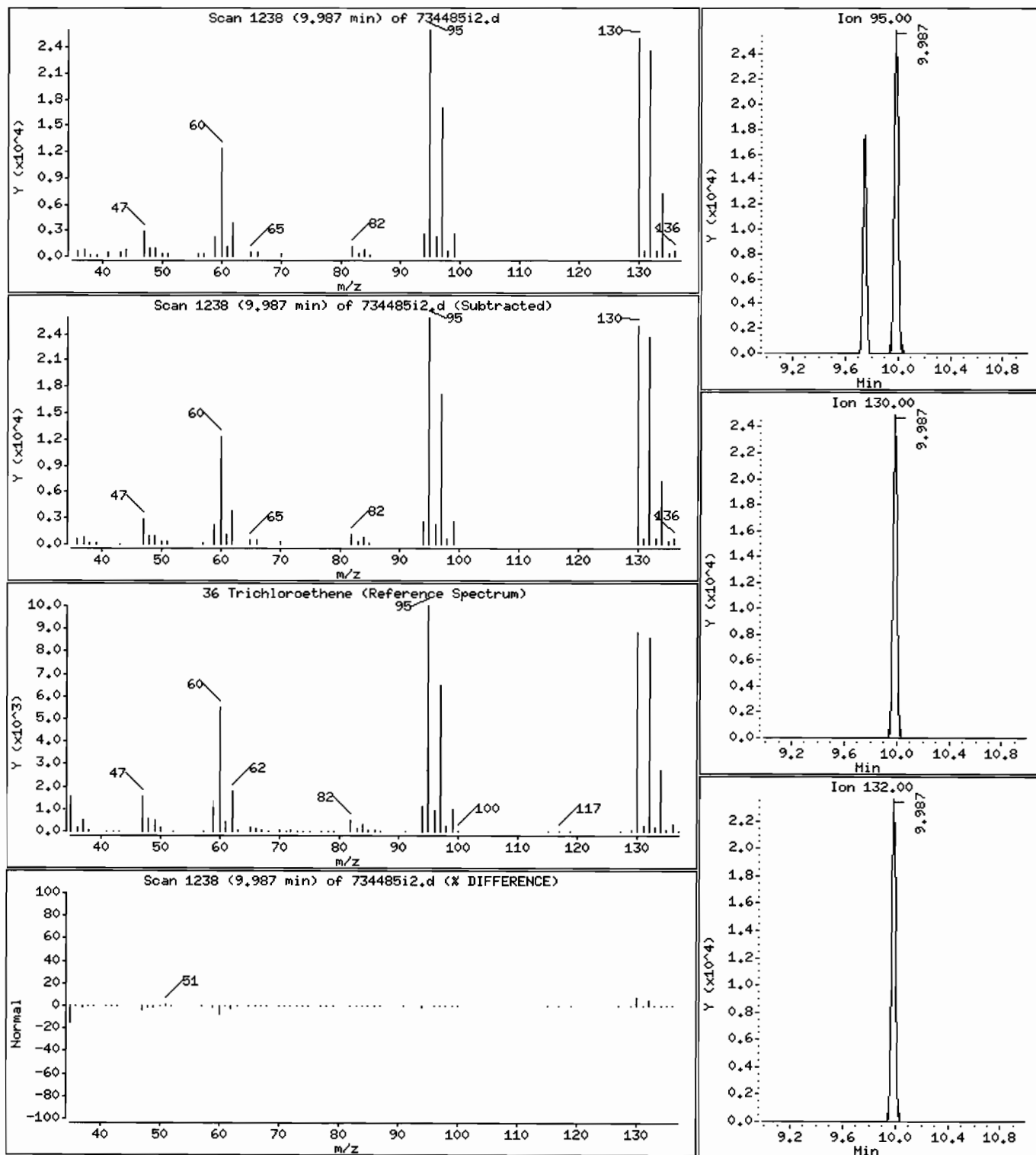
Operator: wrd

Column phase: RTX-624

Column diameter: 0.32

36 Trichloroethene

Concentration: 1.1 ppbv



Data File: /chem/B.i/Bsvr,p/bgihto15,b/734485i2.d

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Date : 11-DEC-2007 22:18

Client ID: IAQ-B00K

Instrument: B.i

Sample Info: IAQ-B00K :[112/06/07 @1728(AIR)

Purge Volume: 250.0

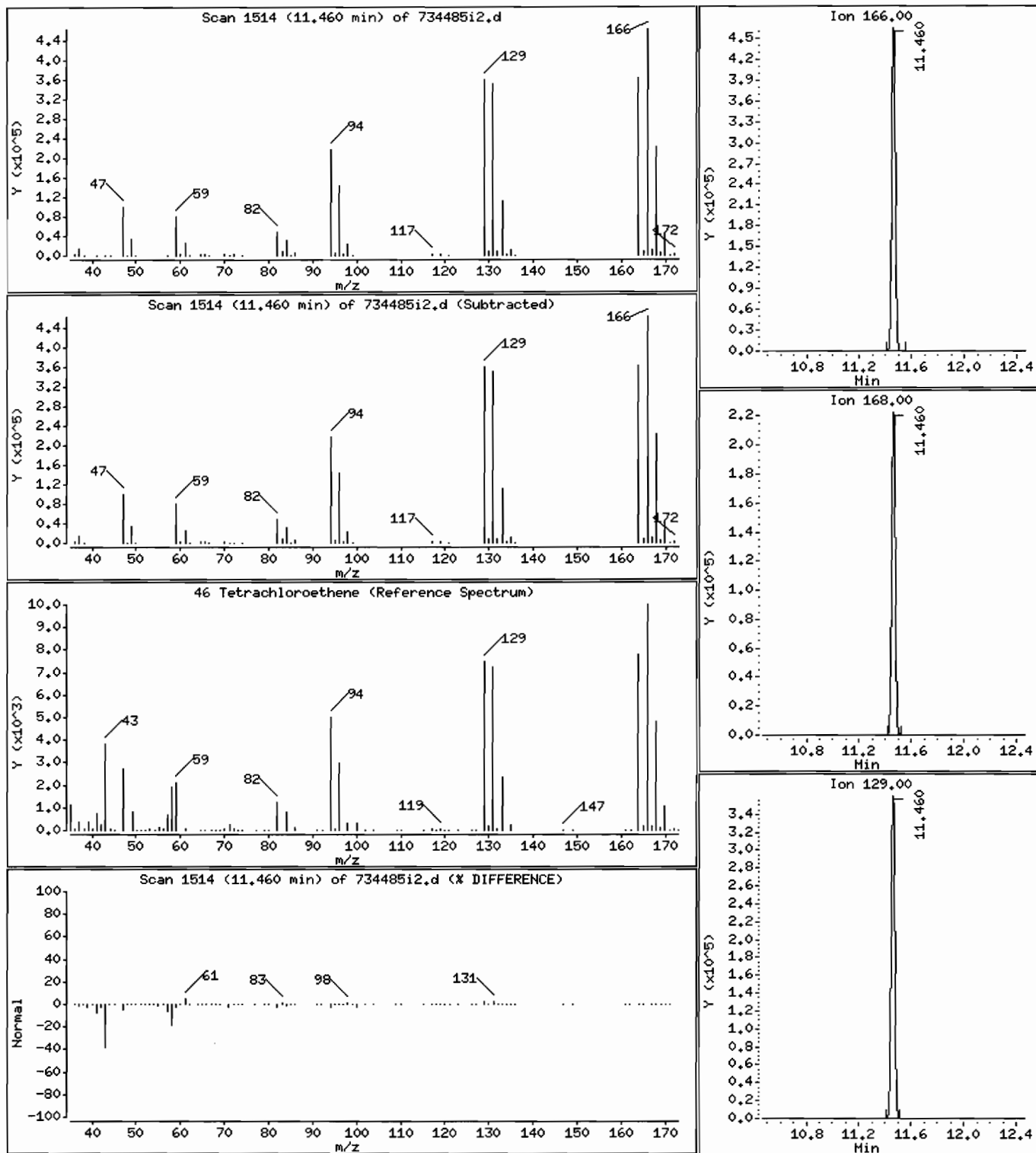
Operator: wrd

Column phase: RTX-624

Column diameter: 0.32

46 Tetrachloroethene

Concentration: 13 ppbv



FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

ROUX1 SAMPLE NO.

IAQ-VAC

Lab Name: TESTAMERICA BURLINGTON Contract: 27000

Lab Code: STLV Case No.: 27000 SAS No.: SDG No.: NY123316

Matrix: (soil/water) AIR Lab Sample ID: 734487

Sample wt/vol: 250.0 (g/mL) ML Lab File ID: 734487I2

Level: (low/med) LOW Date Received: 12/07/07

% Moisture: not dec. Date Analyzed: 12/11/07

GC Column: RTX-624 ID: 0.32 (mm) Dilution Factor: 0.8

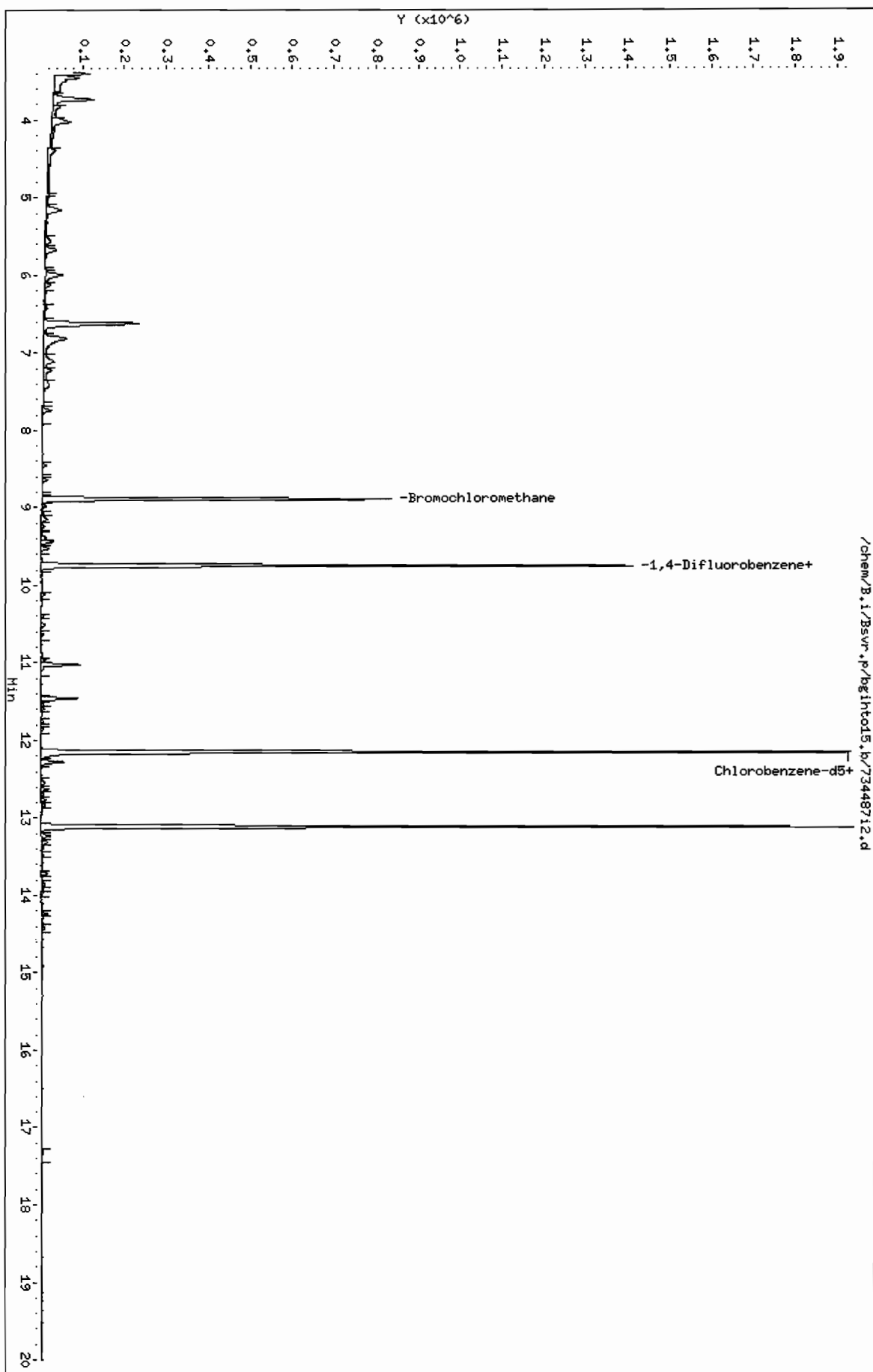
Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg) PPBV	Q
75-01-4-----	Vinyl Chloride	0.16	U
75-35-4-----	1,1-Dichloroethene	0.16	U
156-60-5-----	trans-1,2-Dichloroethene	0.16	U
540-59-0-----	1,2-Dichloroethene (total)	0.16	U
156-59-2-----	cis-1,2-Dichloroethene	0.16	U
79-01-6-----	Trichloroethene	0.16	U
127-18-4-----	Tetrachloroethene	0.39	

FORM I VOA

Data File: /chem/B.i/Bsvr.p/bg1ht015.b/73448712.d
Date: 11-DEC-2007 23:56
Client ID: IAG-VAC
Sample Info: IAG-VAC : L 112/06/07 01748(AIR)
Purge Volume: 250.0
Column phase: RTX-624

Instrument: B.i
Operator: wrd
Column diameter: 0.32



Data File: /chem/B.i/Bsvr.p/bgihto15.b/734487i2.d
Report Date: 13-Dec-2007 13:40

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AIR TOXICS QUANTITATION REPORT

Data file : /chem/B.i/Bsvr.p/bgihto15.b/734487i2.d
Lab Smp Id: 734487 Client Smp ID: IAQ-VAC
Inj Date : 11-DEC-2007 23:56
Operator : wrd Inst ID: B.i
Smp Info : IAQ-VAC : [] 12/06/07 @1748 (AIR)
Misc Info : 734487;121107BA;0.8;250
Comment :
Method : /chem/B.i/Bsvr.p/bgihto15.b/rto15.m
Meth Date : 13-Dec-2007 13:39 sv Quant Type: ISTD
Cal Date : 29-NOV-2007 09:21 Cal File: bgi05v2.d
Als bottle: 13
Dil Factor: 0.80000
Integrator: HP RTE Compound Sublist: ROUX1_Ocean.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	0.80000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	250.00000	Sample Volume purged (mL)

Cpnd Variable

Local Compound Variable

Compounds	QUANT SIG	CONCENTRATIONS					
		RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ppbv)	FINAL (ppbv)
4 Vinyl Chloride	62				Compound Not Detected.		
11 1,1-Dichloroethene	96				Compound Not Detected.		
19 trans-1,2-Dichloroethene	61				Compound Not Detected.		
M 22 1,2-Dichloroethene (total)	61				Compound Not Detected.		
24 cis-1,2-Dichloroethene	96				Compound Not Detected.		
* 25 Bromochloromethane	128	8.893	8.893	(1.000)	232841	10.0000	
* 35 1,4-Difluorobenzene	114	9.747	9.747	(1.000)	1133395	10.0000	
36 Trichloroethene	95				Compound Not Detected.		
46 Tetrachloroethene	166	11.465	11.465	(0.943)	23747	0.48764	0.39
* 50 Chlorobenzene-d5	117	12.154	12.154	(1.000)	1090110	10.0000	

Date : 11-DEC-2007 23:56

Client ID: IAQ-VAC

Instrument: B.i

Sample Info: IAQ-VAC ;I 112/06/07 @1748(AIR)

Purge Volume: 250.0

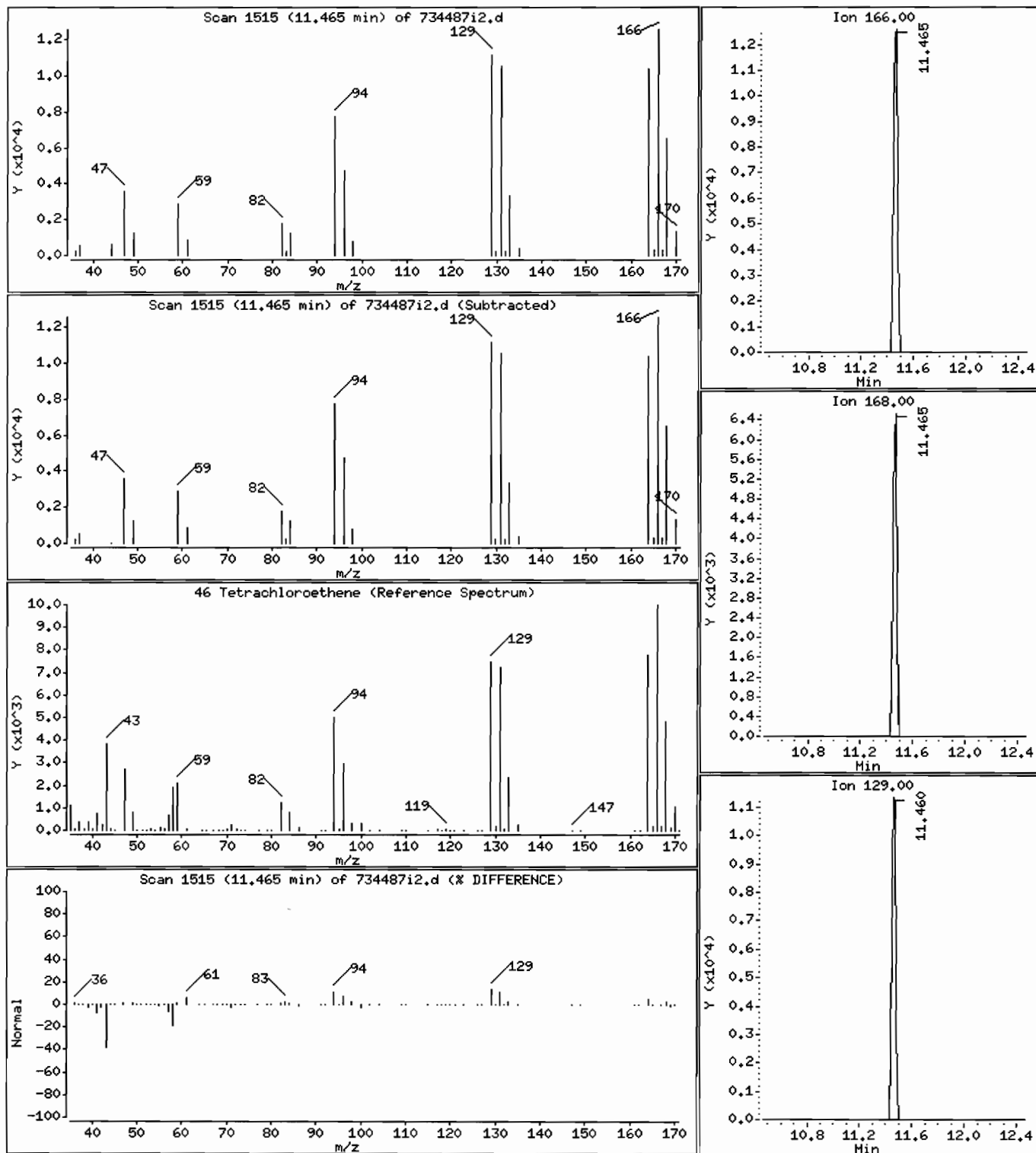
Operator: wrd

Column phase: RTX-624

Column diameter: 0.32

46 Tetrachloroethene

Concentration: 0.39 ppbv



FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

ROUX1 SAMPLE NO.

VS-BOOK

Lab Name: TESTAMERICA BURLINGTON Contract: 27000

Lab Code: STLV Case No.: 27000 SAS No.: SDG No.: NY123316

Matrix: (soil/water) AIR Lab Sample ID: 734486

Sample wt/vol: 50.00 (g/mL) ML Lab File ID: 734486D2

Level: (low/med) LOW Date Received: 12/07/07

% Moisture: not dec. Date Analyzed: 12/11/07

GC Column: RTX-624 ID: 0.32 (mm) Dilution Factor: 60.4

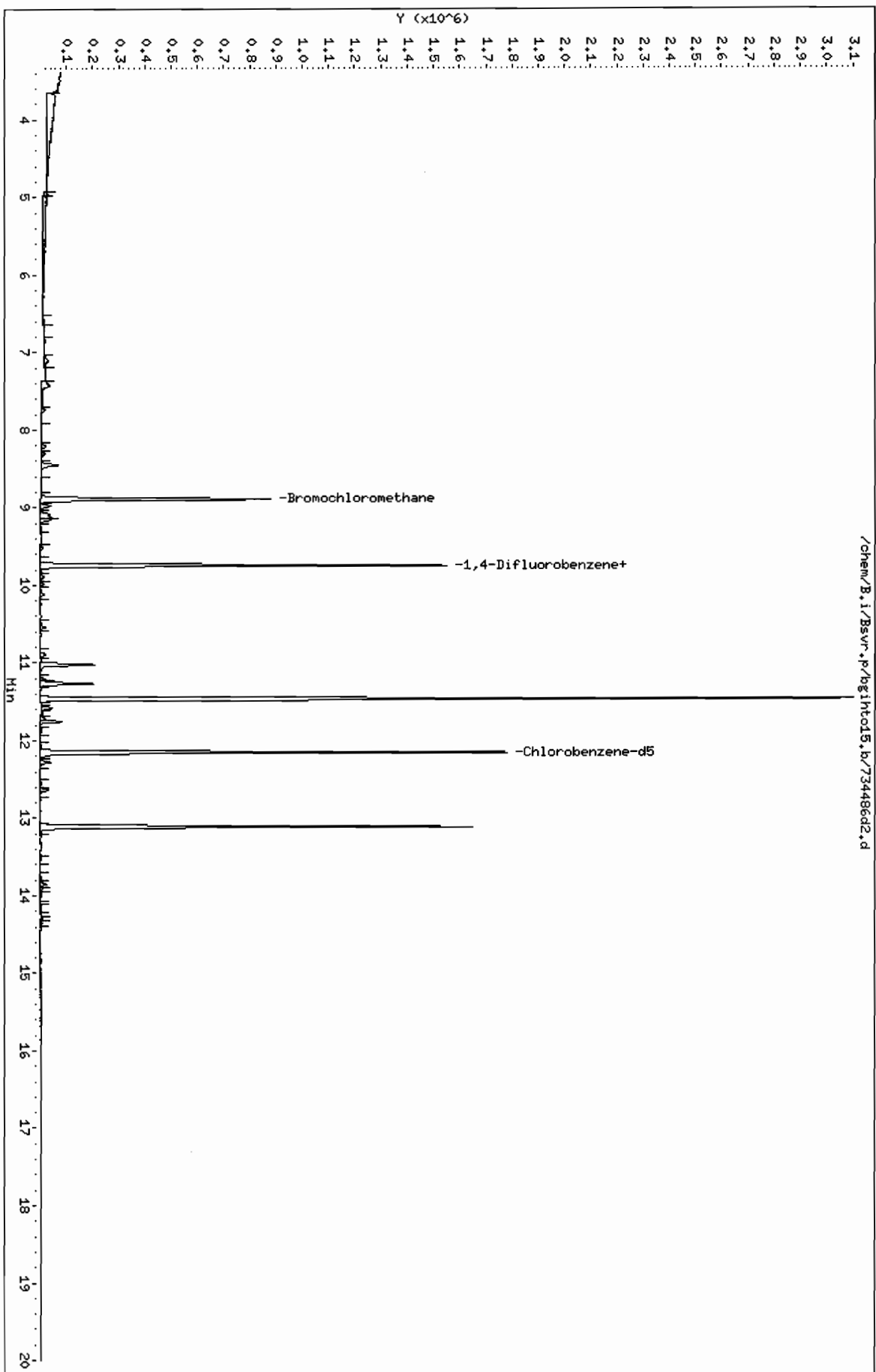
Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) PPBV		Q
75-01-4-----	Vinyl Chloride	12	U	
75-35-4-----	1,1-Dichloroethene	12	U	
156-60-5-----	trans-1,2-Dichloroethene	12	U	
540-59-0-----	1,2-Dichloroethene (total)	12	U	
156-59-2-----	cis-1,2-Dichloroethene	12	U	
79-01-6-----	Trichloroethene	12	U	
127-18-4-----	Tetrachloroethene	1200		

FORM I VOA

Data File: /chem/B.i/Bsyr.p/bg1ht015.b/734486d2.d
Date: 11-DEC-2007 23:07
Client ID: VS-B00K
Sample Info: VS-B00K : I 112/06/07 @1732(AIR)
Purge Volume: 50.0
Column phase: RTX-624

Instrument: B.i
Operator: wmd
Column diameter: 0.32



Data File: /chem/B.i/Bsvr.p/bgihto15.b/734486d2.d
Report Date: 13-Dec-2007 13:40

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AIR TOXICS QUANTITATION REPORT

Data file : /chem/B.i/Bsvr.p/bgihto15.b/734486d2.d
Lab Smp Id: 734486 Client Smp ID: VS-BOOK
Inj Date : 11-DEC-2007 23:07
Operator : wrd Inst ID: B.i
Smp Info : VS-BOOK : [] 12/06/07 @1732(AIR)
Misc Info : 734486;121107BA;60.4;50;CDF15.1
Comment :
Method : /chem/B.i/Bsvr.p/bgihto15.b/rto15.m
Meth Date : 13-Dec-2007 13:39 sv Quant Type: ISTD
Cal Date : 29-NOV-2007 09:21 Cal File: bgi05v2.d
Als bottle: 12
Dil Factor: 60.40000
Integrator: HP RTE Compound Sublist: ROUX1_Ocean.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	60.40000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	50.00000	Sample Volume purged (mL)

Cpnd Variable

Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ppbv)	FINAL (ppbv)
-----	----	--	-----	-----	-----	-----	-----
4 Vinyl Chloride	62				Compound Not Detected.		
11 1,1-Dichloroethene	96				Compound Not Detected.		
19 trans-1,2-Dichloroethene	61				Compound Not Detected.		
M 22 1,2-Dichloroethene (total)	61				Compound Not Detected.		
24 cis-1,2-Dichloroethene	96				Compound Not Detected.		
* 25 Bromochloromethane	128	8.893	8.893	(1.000)	243857	10.0000	
* 35 1,4-Difluorobenzene	114	9.747	9.747	(1.000)	1258804	10.0000	
36 Trichloroethene	95				Compound Not Detected.		
46 Tetrachloroethene	166	11.460	11.465	(0.943)	879262	19.3906	1200
* 50 Chlorobenzene-d5	117	12.154	12.154	(1.000)	1015055	10.0000	

Date : 11-DEC-2007 23:07

Client ID: VS-B00K

Instrument: B.i

Sample Info: VS-B00K :[112/06/07 @1732(AIR)

Purge Volume: 50.0

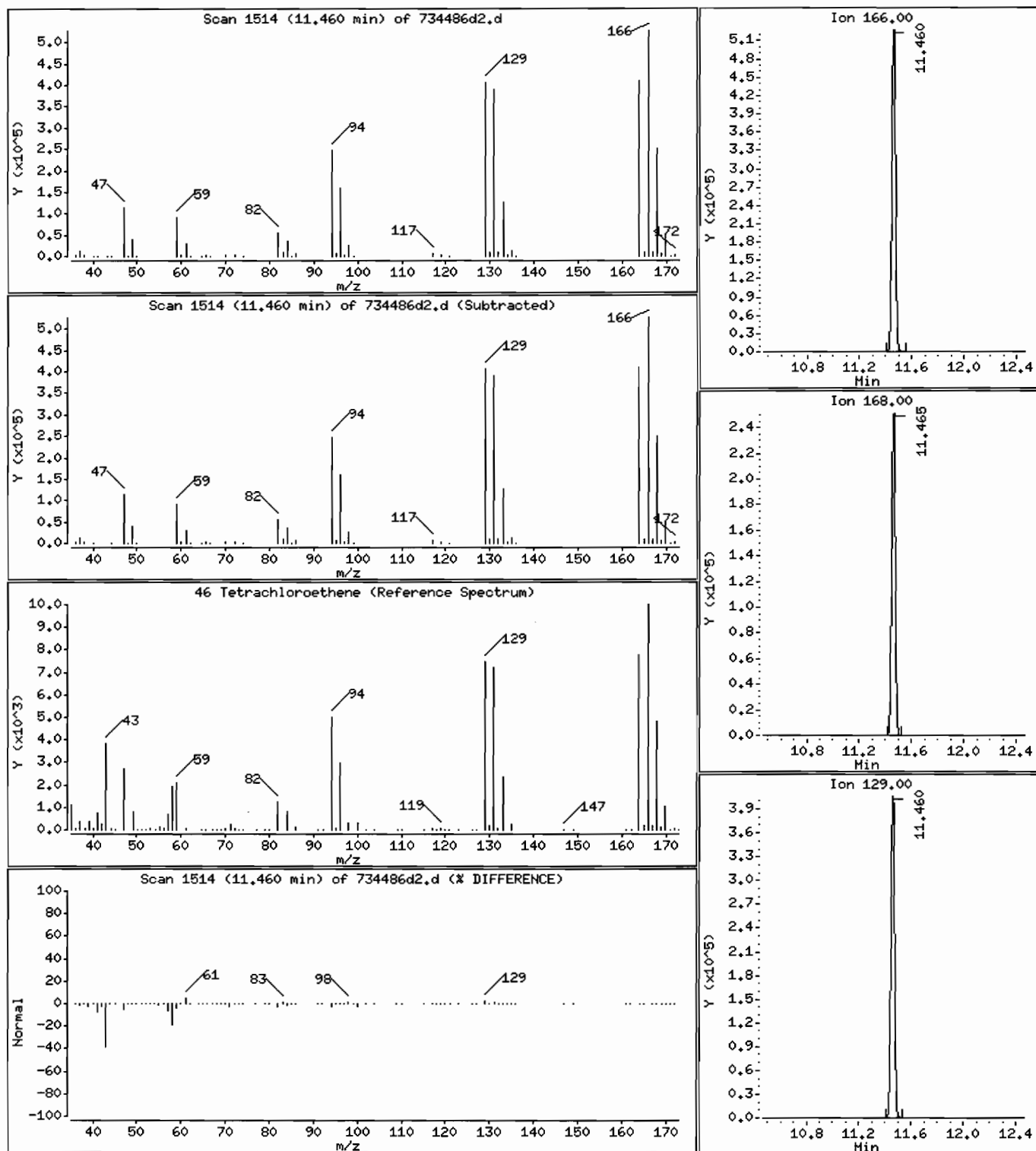
Operator: wrd

Column phase: RTX-624

Column diameter: 0.32

46 Tetrachloroethene

Concentration: 1200 ppbv



FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

ROUX1 SAMPLE NO.

VS-DCF

Lab Name: TESTAMERICA BURLINGTON Contract: 27000

Lab Code: STLV Case No.: 27000 SAS No.: SDG No.: NY123316

Matrix: (soil/water) AIR Lab Sample ID: 734481

Sample wt/vol: 133.0 (g/mL) ML Lab File ID: 734481D2

Level: (low/med) LOW Date Received: 12/07/07

% Moisture: not dec. Date Analyzed: 12/11/07

GC Column: RTX-624 ID: 0.32 (mm) Dilution Factor: 1.5

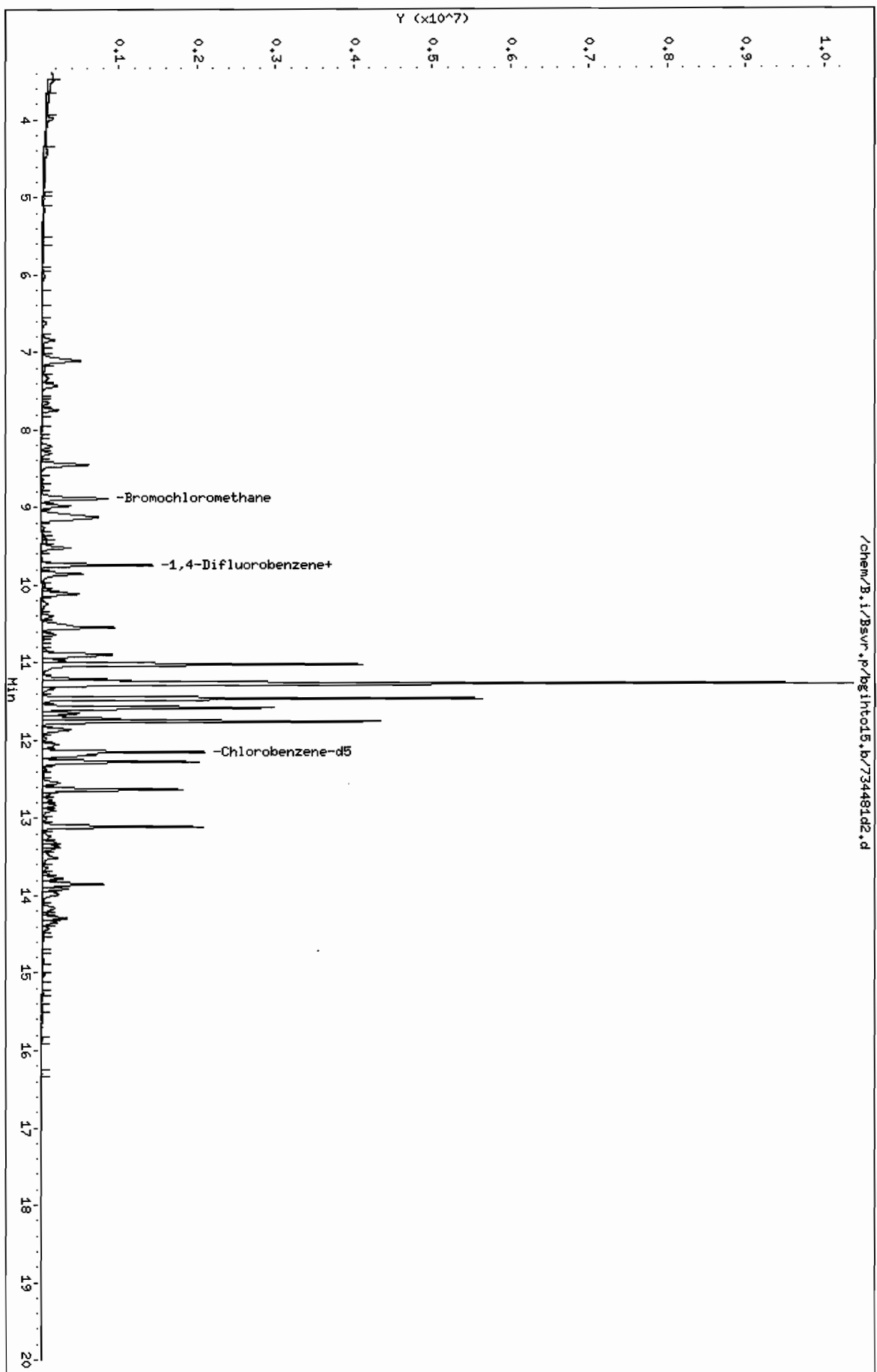
Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg) PPBV	Q
75-01-4-----	Vinyl Chloride	0.30	U
75-35-4-----	1,1-Dichloroethene	0.30	U
156-60-5-----	trans-1,2-Dichloroethene	0.30	U
540-59-0-----	1,2-Dichloroethene (total)	0.30	U
156-59-2-----	cis-1,2-Dichloroethene	0.30	U
79-01-6-----	Trichloroethene	0.46	
127-18-4-----	Tetrachloroethene	51	

FORM I VOA

Data File: /chem/B.i/Bsyr.p/bg1htcd5.b/734481d2.d
Date: 11-DEC-2007 19:04
Client ID: VS-DCF
Sample Info: VS-DCF : [112/06/07 01653(AIR)]
Purge Volume: 133.0
Column phase: RTX-624

Instrument: B.i
Operator: wrd
Column diameter: 0.32



Data File: /chem/B.i/Bsvr.p/bgihto15.b/734481d2.d
Report Date: 13-Dec-2007 13:40

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AIR TOXICS QUANTITATION REPORT

Data file : /chem/B.i/Bsvr.p/bgihto15.b/734481d2.d
Lab Smp Id: 734481 Client Smp ID: VS-DCF
Inj Date : 11-DEC-2007 19:04
Operator : wrd Inst ID: B.i
Smp Info : VS-DCF : []12/06/07 @1653 (AIR)
Misc Info : 734481;121107BA;1.5;133
Comment :
Method : /chem/B.i/Bsvr.p/bgihto15.b/rto15.m
Meth Date : 13-Dec-2007 13:39 sv Quant Type: ISTD
Cal Date : 29-NOV-2007 09:21 Cal File: bgi05v2.d
Als bottle: 6
Dil Factor: 1.50000
Integrator: HP RTE Compound Sublist: ROUX1_Ocean.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	1.50000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	133.00000	Sample Volume purged (mL)

Cpnd Variable

Local Compound Variable

Compounds	QUANT SIG	CONCENTRATIONS					
		RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ppbv)	FINAL (ppbv)
4 Vinyl Chloride	62						
11 1,1-Dichloroethene	96						
19 trans-1,2-Dichloroethene	61						
M 22 1,2-Dichloroethene (total)	61						
24 cis-1,2-Dichloroethene	96						
* 25 Bromochloromethane	128	8.887	8.893	(1.000)	224050	10.0000	
* 35 1,4-Difluorobenzene	114	9.747	9.747	(1.000)	1144287	10.0000	
36 Trichloroethene	95	9.982	9.987	(1.024)	11461	0.30386	0.46
46 Tetrachloroethene	166	11.465	11.465	(0.943)	1621495	34.0192	51
* 50 Chlorobenzene-d5	117	12.154	12.154	(1.000)	1066975	10.0000	

Date : 11-DEC-2007 19:04

Client ID: VS-DCF

Instrument: B.i

Sample Info: VS-DCF : [112/06/07 @1653(AIR)

Purge Volume: 133.0

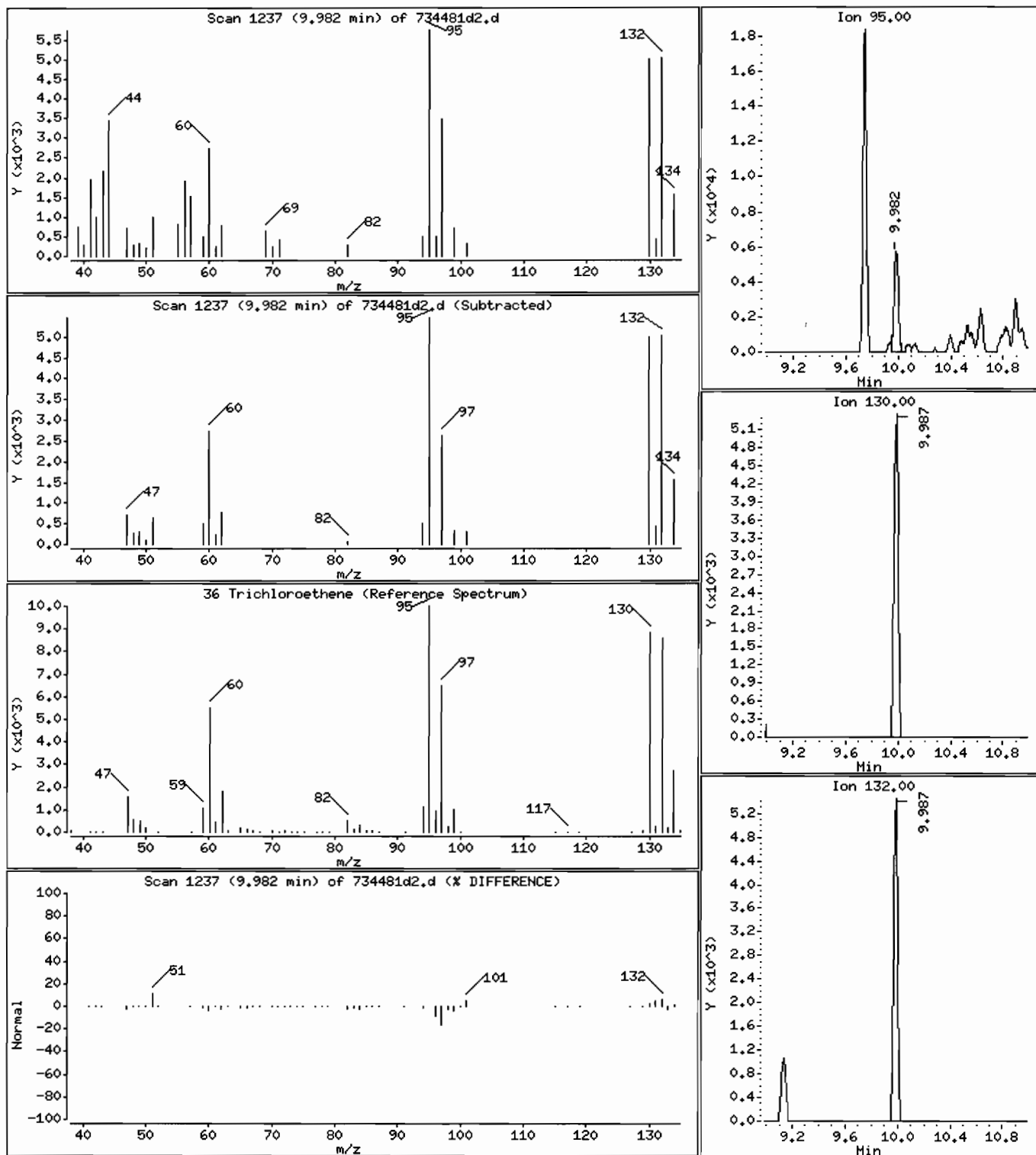
Operator: wrd

Column phase: RTX-624

Column diameter: 0.32

36 Trichloroethene

Concentration: 0.46 ppbv



Data File: /chem/B.i/Bsvr.p/bgihto15.b/734481d2.d

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Date : 11-DEC-2007 19:04

Client ID: VS-DCF

Instrument: B.i

Sample Info: VS-DCF :[112/06/07 @1653(AIR)

Purge Volume: 133.0

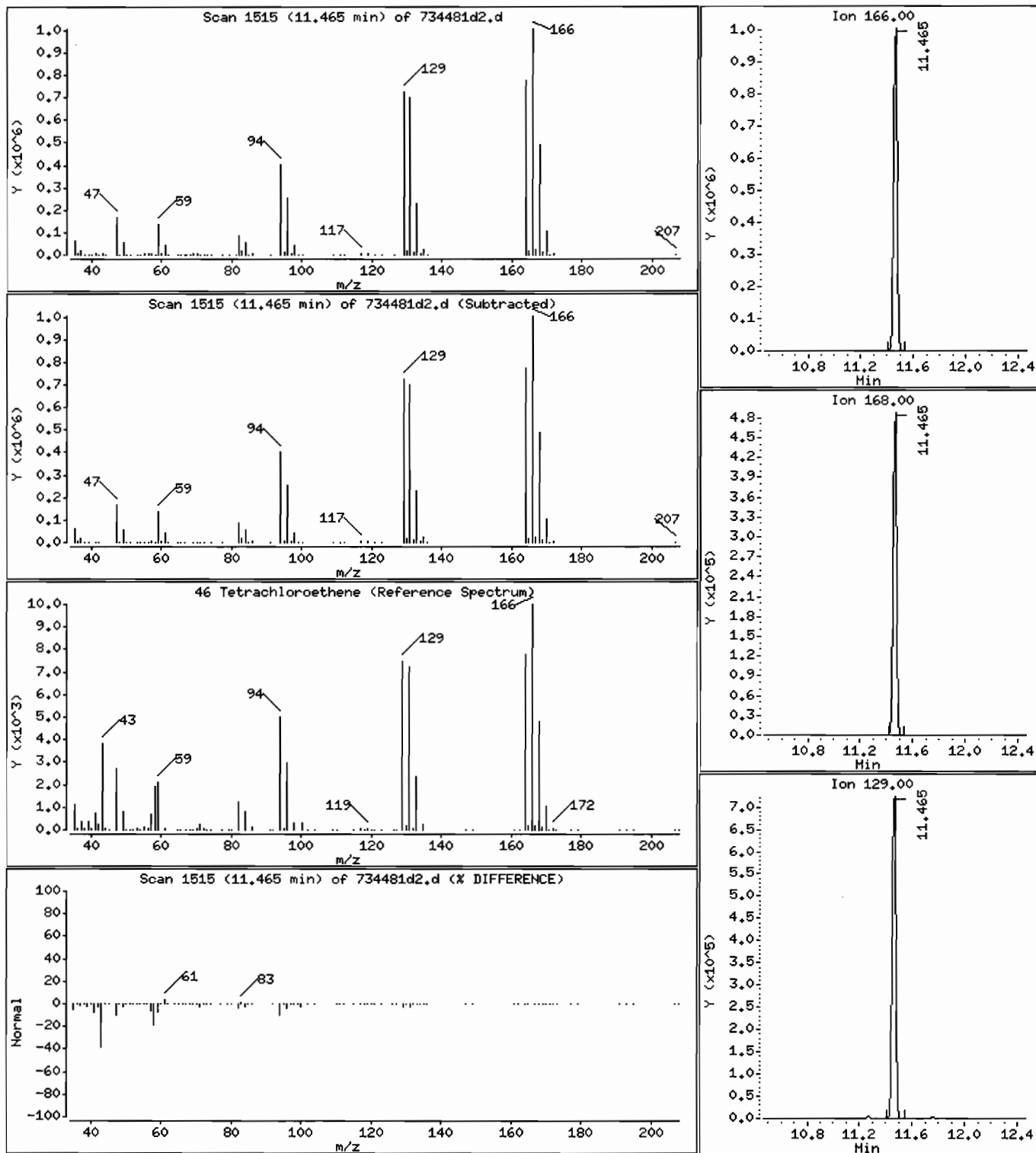
Operator: wrd

Column phase: RTX-624

Column diameter: 0.32

46 Tetrachloroethene

Concentration: 51 ppbv



FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

ROUX1 SAMPLE NO.

VS-DCR

Lab Name: TESTAMERICA BURLINGTON Contract: 27000

Lab Code: STLV Case No.: 27000 SAS No.: SDG No.: NY123316

Matrix: (soil/water) AIR Lab Sample ID: 734484

Sample wt/vol: 30.00 (g/mL) ML Lab File ID: 734484D2

Level: (low/med) LOW Date Received: 12/07/07

% Moisture: not dec. _____ Date Analyzed: 12/11/07

GC Column: RTX-624 ID: 0.32 (mm) Dilution Factor: 399.0

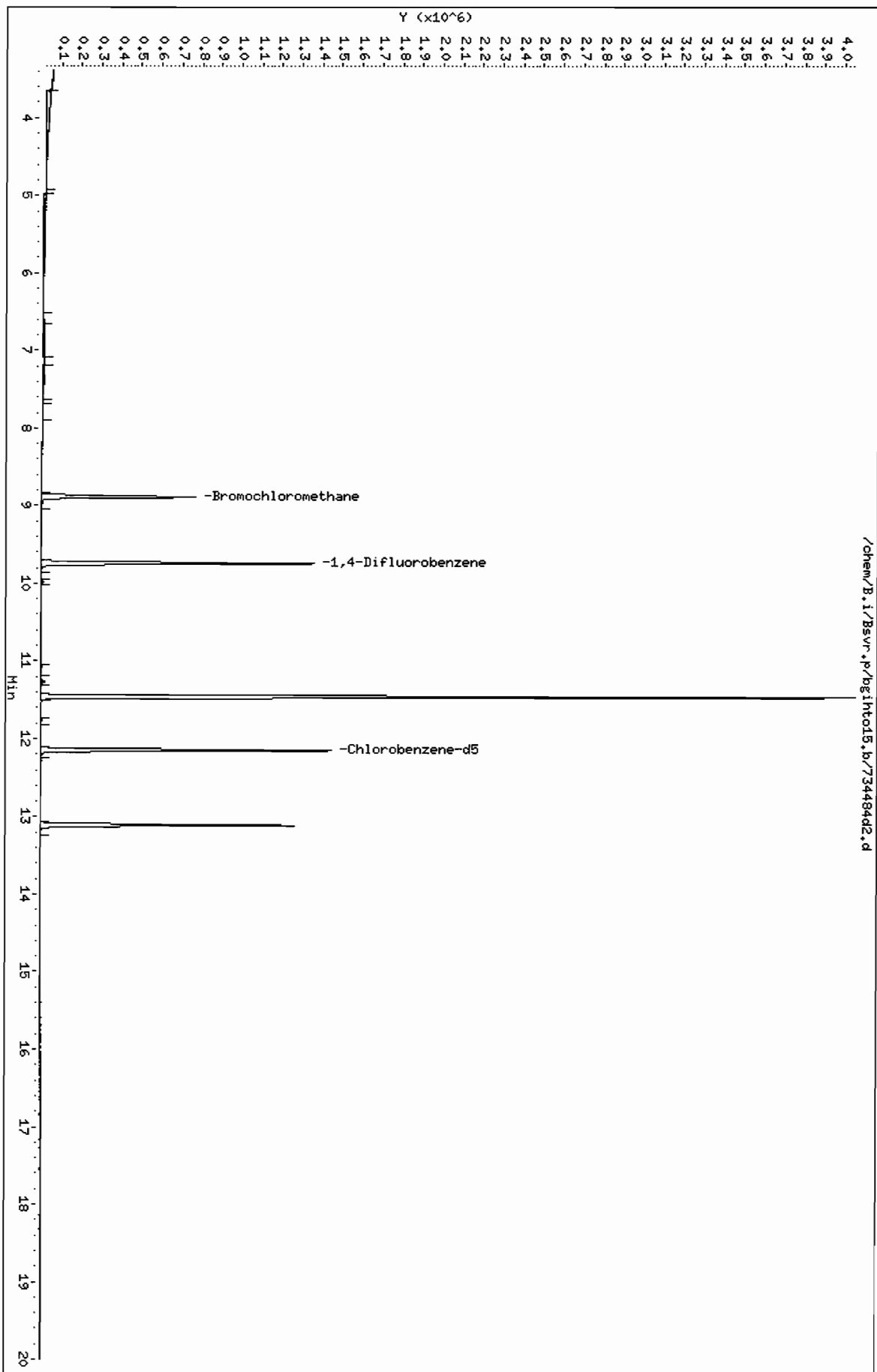
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg) PPBV	Q
75-01-4-----	Vinyl Chloride	80	U
75-35-4-----	1,1-Dichloroethene	80	U
156-60-5-----	trans-1,2-Dichloroethene	80	U
540-59-0-----	1,2-Dichloroethene (total)	80	U
156-59-2-----	cis-1,2-Dichloroethene	80	U
79-01-6-----	Trichloroethene	80	U
127-18-4-----	Tetrachloroethene	12000	

FORM I VOA

Data File: /chem/B.i/Bsyr.p/bg1ht015.b/734484d2.d
Date: 11-DEC-2007 21:29
Client ID: VS-DCR
Sample Info: VS-DCR : (112/06/07 01710(AIR))
Purge Volume: 30.0
Column phase: RTX-624

Instrument: B.i
Operator: wmd
Column diameter: 0.32



Data File: /chem/B.i/Bsvr.p/bgihto15.b/734484d2.d
Report Date: 13-Dec-2007 13:40

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AIR TOXICS QUANTITATION REPORT

Data file : /chem/B.i/Bsvr.p/bgihto15.b/734484d2.d
Lab Smp Id: 734484 Client Smp ID: VS-DCR
Inj Date : 11-DEC-2007 21:29
Operator : wrd Inst ID: B.i
Smp Info : VS-DCR : [] 12/06/07 @1710 (AIR)
Misc Info : 734484;121107BA;399;30;CDF59.8
Comment :
Method : /chem/B.i/Bsvr.p/bgihto15.b/rto15.m
Meth Date : 13-Dec-2007 13:39 sv Quant Type: ISTD
Cal Date : 29-NOV-2007 09:21 Cal File: bgi05v2.d
Als bottle: 10
Dil Factor: 399.00000
Integrator: HP RTE Compound Sublist: ROUX1_Ocean.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	399.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	30.00000	Sample Volume purged (mL)

Cpnd Variable

Local Compound Variable

Compounds	QUANT SIG MASS						CONCENTRATIONS	
		RT	EXP RT	REL RT	RESPONSE		ON-COLUMN (ppbv)	FINAL (ppbv)
4 Vinyl Chloride	62							
11 1,1-Dichloroethene	96							
19 trans-1,2-Dichloroethene	61							
M 22 1,2-Dichloroethene (total)	61							
24 cis-1,2-Dichloroethene	96							
* 25 Bromochloromethane	128	8.887	8.893	(1.000)	211830		10.0000	
* 35 1,4-Difluorobenzene	114	9.747	9.747	(1.000)	1106618		10.0000	
36 Trichloroethene	95							
46 Tetrachloroethene	166	11.460	11.465	(0.943)	1128662		30.4933	12000
* 50 Chlorobenzene-d5	117	12.148	12.154	(1.000)	828558		10.0000	

Date : 11-DEC-2007 21:29

Client ID: VS-DCR

Instrument: B.i

Sample Info: VS-DCR :[112/06/07 @1710(AIR)

Purge Volume: 30.0

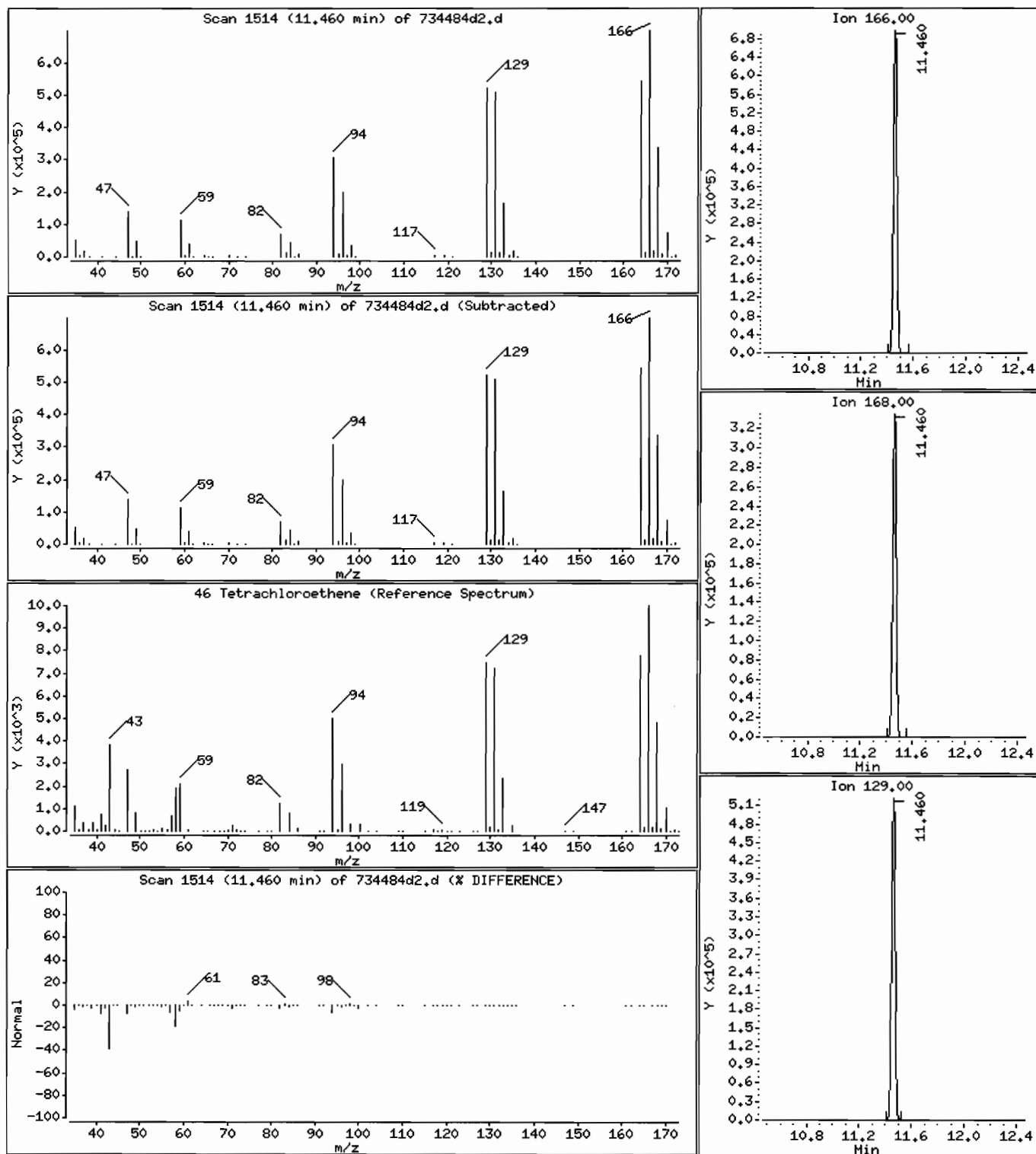
Operator: wrd

Column phase: RTX-624

Column diameter: 0.32

46 Tetrachloroethene

Concentration: 12000 ppbv



FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

ROUX1 SAMPLE NO.

VS-FENCE

Lab Name: TESTAMERICA BURLINGTON Contract: 27000

Lab Code: STLV Case No.: 27000 SAS No.: SDG No.: NY123316

Matrix: (soil/water) AIR Lab Sample ID: 734490

Sample wt/vol: 133.0 (g/mL) ML Lab File ID: 734490

Level: (low/med) LOW Date Received: 12/07/07

% Moisture: not dec. _____ Date Analyzed: 12/12/07

GC Column: RTX-624 ID: 0.32 (mm) Dilution Factor: 1.5

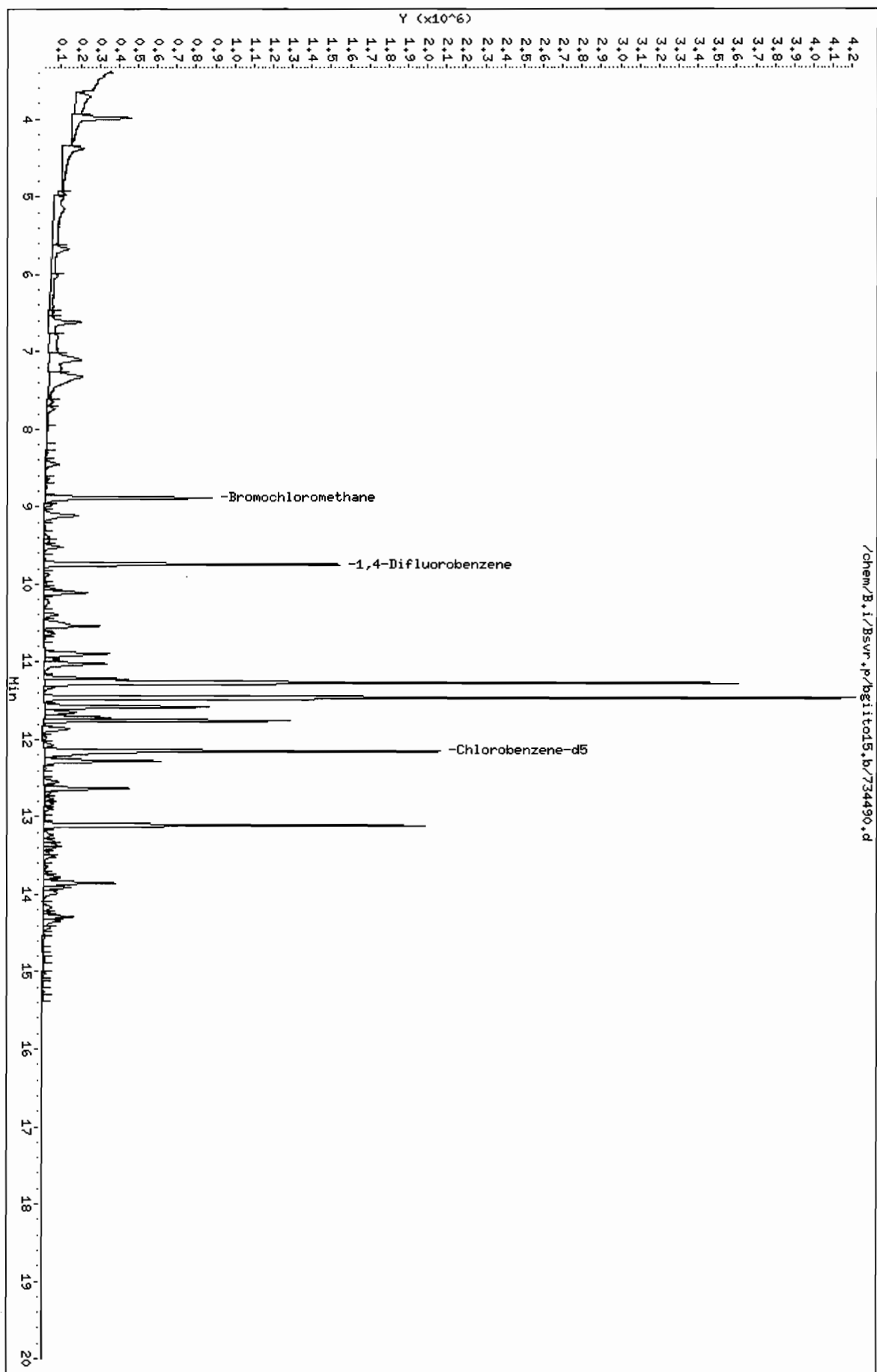
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg) PPBV	Q
75-01-4-----	Vinyl Chloride	0.30	U
75-35-4-----	1,1-Dichloroethene	0.30	U
156-60-5-----	trans-1,2-Dichloroethene	0.30	U
540-59-0-----	1,2-Dichloroethene (total)	0.30	U
156-59-2-----	cis-1,2-Dichloroethene	0.30	U
79-01-6-----	Trichloroethene	0.30	U
127-18-4-----	Tetrachloroethene	35	

FORM I VOA

Data File: /chem/B.i/Bsuv.p/bgiltol5.b/734490.d
Date: 12-DEC-2007 18:54
Client ID: WS-FENCE
Sample Info: WS-FENCE : [112/06/07 01830(AIR)]
Purge Volume: 133.0
Column phase: RTX-624

Instrument: B.i
Operator: wrd
Column diameter: 0.32



Data File: /chem/B.i/Bsvr.p/bgiito15.b/734490.d
 Report Date: 13-Dec-2007 13:57

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TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/B.i/Bsvr.p/bgiito15.b/734490.d
 Lab Smp Id: 734490 Client Smp ID: VS-FENCE
 Inj Date : 12-DEC-2007 18:54
 Operator : wrd Inst ID: B.i
 Smp Info : VS-FENCE : [] 12/06/07 @1830 (AIR)
 Misc Info : 734490;121207BA;1.5;133
 Comment :
 Method : /chem/B.i/Bsvr.p/bgiito15.b/rto15.m
 Meth Date : 13-Dec-2007 13:45 sv Quant Type: ISTD
 Cal Date : 29-NOV-2007 09:21 Cal File: bgi05v2.d
 Als bottle: 4
 Dil Factor: 1.50000
 Integrator: HP RTE Compound Sublist: ROUX1_Ocean.sub
 Target Version: 3.50
 Processing Host: chemsvr6

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

Name	Value	Description
DF	1.50000 ✓	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	133.00000	Sample Volume purged (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ppbv)	FINAL (ppbv)
4 Vinyl Chloride	62						
11 1,1-Dichloroethene	96						
19 trans-1,2-Dichloroethene	61						
M 22 1,2-Dichloroethene (total)	61						
24 cis-1,2-Dichloroethene	96						
* 25 Bromochloromethane	128	8.887	8.893	(1.000)	247788	10.0000	
* 35 1,4-Difluorobenzene	114	9.747	9.747	(1.000)	1271934	10.0000	
36 Trichloroethene	95						
46 Tetrachloroethene	166	11.460	11.465	(0.943)	1219940	23.1800 ✓	35
* 50 Chlorobenzene-d5	117	12.154	12.154	(1.000)	1178116	10.0000	

Date : 12-DEC-2007 18:54

Client ID: VS-FENCE

Instrument: B.i

Sample Info: VS-FENCE :[112/06/07 @1830(AIR)

Purge Volume: 133.0

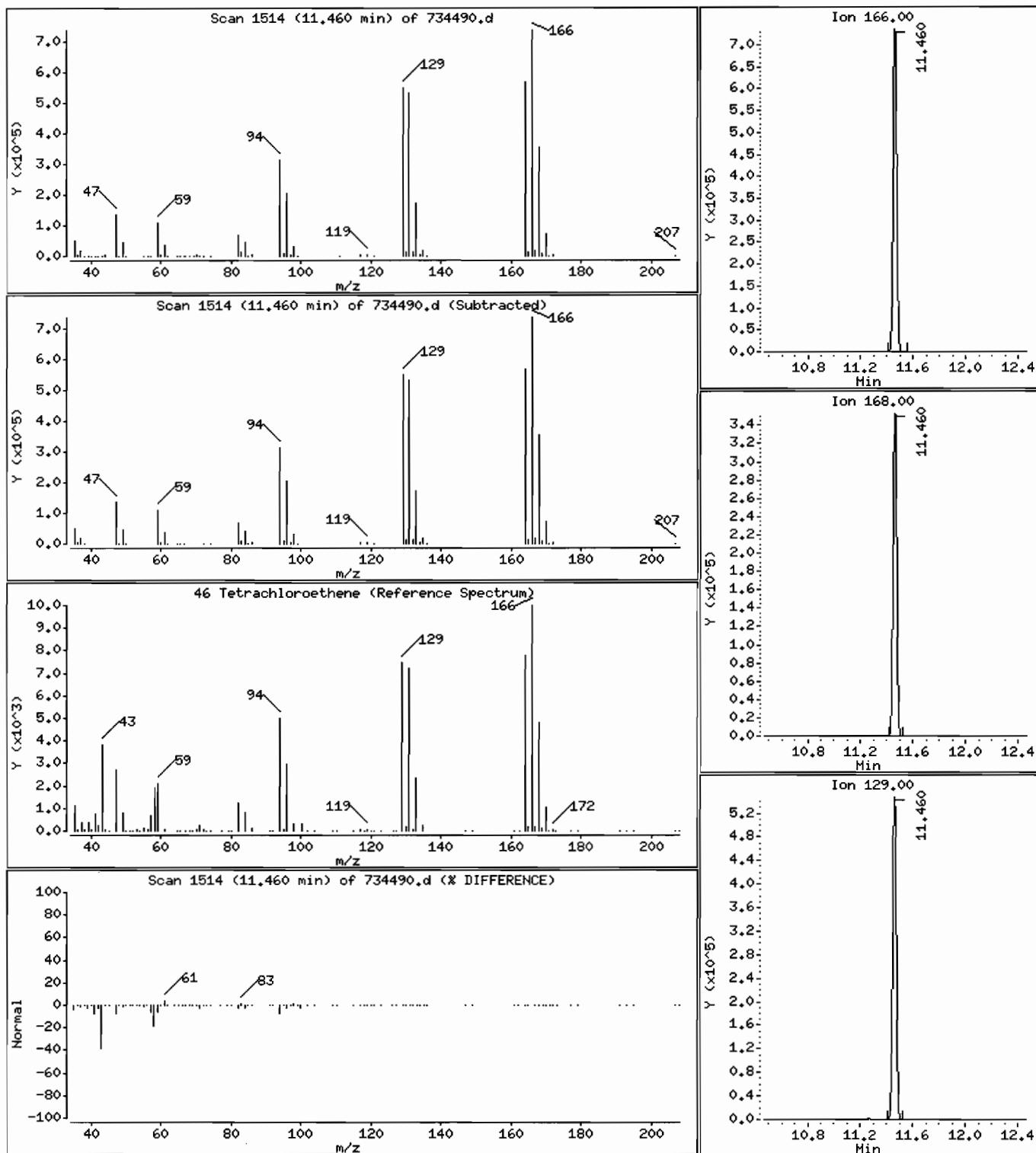
Operator: wrd

Column phase: RTX-624

Column diameter: 0.32

46 Tetrachloroethene

Concentration: 35 ppbv



FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

ROUX1 SAMPLE NO.

VS-MRE

Lab Name: TESTAMERICA BURLINGTON Contract: 27000

Lab Code: STLV Case No.: 27000 SAS No.: SDG No.: NY123316

Matrix: (soil/water) AIR Lab Sample ID: 734482

Sample wt/vol: 32.00 (g/mL) ML Lab File ID: 734482D2

Level: (low/med) LOW Date Received: 12/07/07

% Moisture: not dec. _____ Date Analyzed: 12/11/07

GC Column: RTX-624 ID: 0.32 (mm) Dilution Factor: 348.0

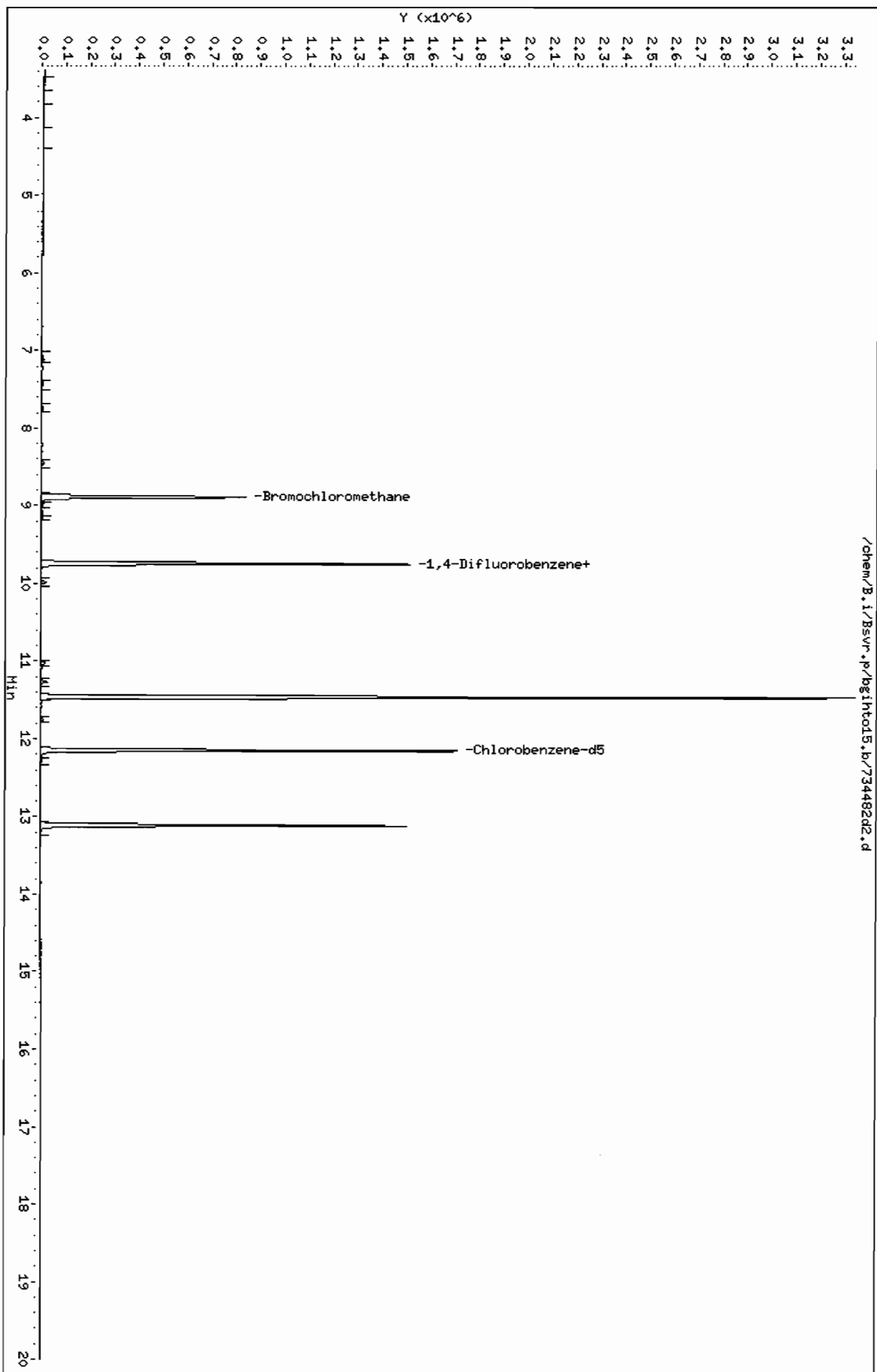
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg) PPBV	Q
75-01-4-----	Vinyl Chloride	70	U
75-35-4-----	1,1-Dichloroethene	70	U
156-60-5-----	trans-1,2-Dichloroethene	70	U
540-59-0-----	1,2-Dichloroethene (total)	70	U
156-59-2-----	cis-1,2-Dichloroethene	70	U
79-01-6-----	Trichloroethene	71	
127-18-4-----	Tetrachloroethene	7400	

FORM I VOA

Data File: /chem/B.i/Bsyr.p/bgih015.b/734482d2.d
Date : 11-DEC-2007 19:52
Client ID: VS-HRE
Sample Info: VS-HRE : t 112/06/07 01645(AIR)
Purge Volume: 32.0
Column phase: RTX-624

Instrument: B.i
Operator: wrd
Column diameter: 0.32



Data File: /chem/B.i/Bsvr.p/bgihto15.b/734482d2.d
Report Date: 13-Dec-2007 13:40

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TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/B.i/Bsvr.p/bgihto15.b/734482d2.d
Lab Smp Id: 734482 Client Smp ID: VS-MRE
Inj Date : 11-DEC-2007 19:52
Operator : wrd Inst ID: B.i
Smp Info : VS-MRE : [] 12/06/07 @1645(AIR)
Misc Info : 734482;121107BA;348;32;CDF55.7
Comment :
Method : /chem/B.i/Bsvr.p/bgihto15.b/rto15.m
Meth Date : 13-Dec-2007 13:39 sv Quant Type: ISTD
Cal Date : 29-NOV-2007 09:21 Cal File: bgi05v2.d
Als bottle: 8
Dil Factor: 348.00000
Integrator: HP RTE Compound Sublist: ROUX1_Ocean.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	348.00000 ✓	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	32.00000	Sample Volume purged (mL)

Cpnd Variable

Local Compound Variable

Compounds	QUANT SIG						CONCENTRATIONS	
		RT	EXP RT	REL RT	RESPONSE		ON-COLUMN	FINAL
	MASS					(ppbv)	(ppbv)	
4 Vinyl Chloride	62							
11 1,1-Dichloroethene	96							
19 trans-1,2-Dichloroethene	61							
M 22 1,2-Dichloroethene (total)	61							
24 cis-1,2-Dichloroethene	96							
* 25 Bromochloromethane	128	8.893	8.893	(1.000)	241149	10.0000		
* 35 1,4-Difluorobenzene	114	9.747	9.747	(1.000)	1260907	10.0000		
36 Trichloroethene	95	9.982	9.987	(1.024)	8470	0.20379	✓	71
46 Tetrachloroethene	166	11.460	11.465	(0.943)	939403	21.1371		7400
* 50 Chlorobenzene-d5	117	12.154	12.154	(1.000)	994876	10.0000		

Date : 11-DEC-2007 19:52

Client ID: VS-MRE

Instrument: B.i

Sample Info: VS-MRE :[112/06/07 @1645(AIR)

Purge Volume: 32.0

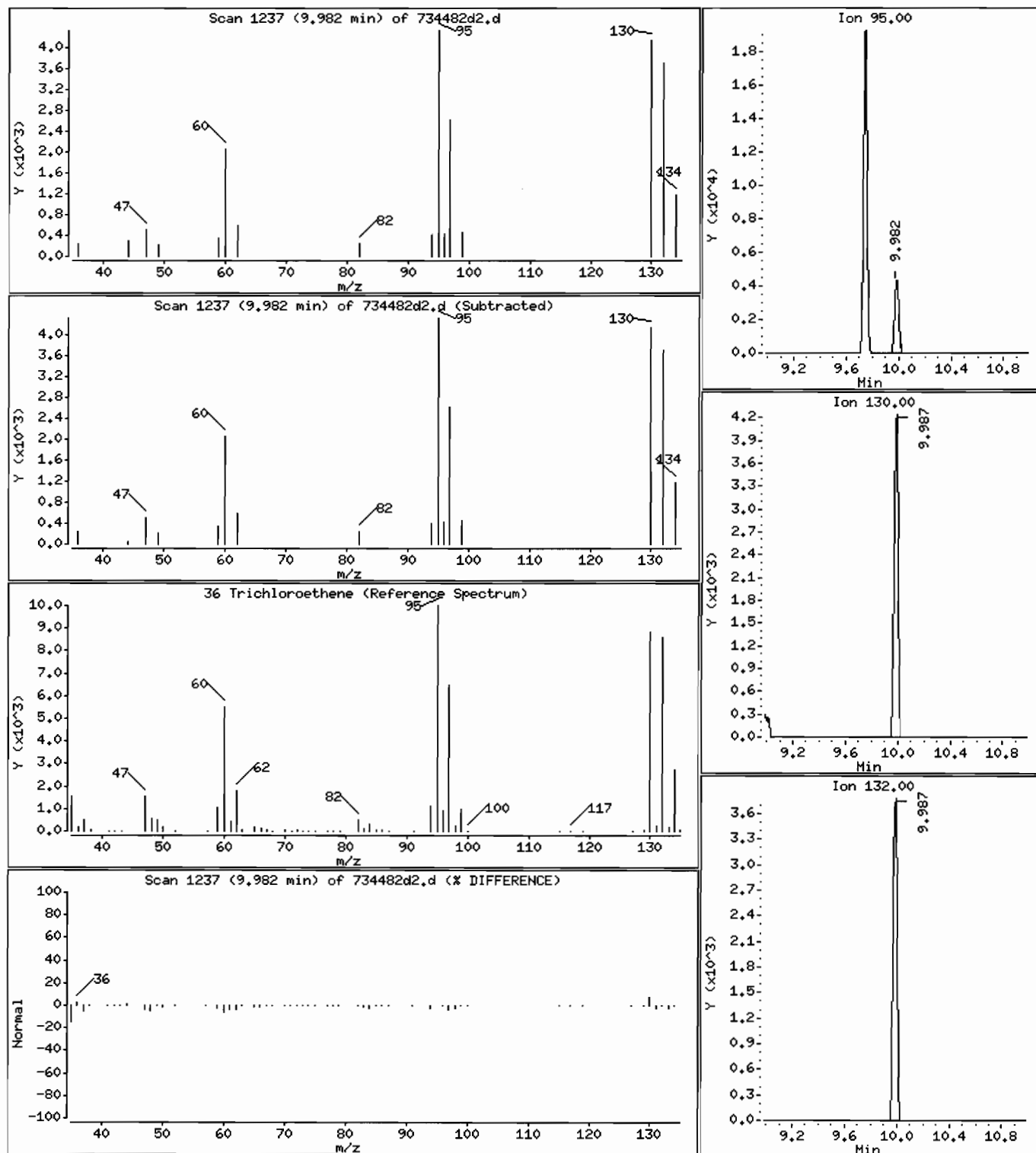
Operator: wrd

Column phase: RTX-624

Column diameter: 0.32

36 Trichloroethene

Concentration: 71 ppbv



Date : 11-DEC-2007 19:52

Client ID: VS-MRE

Instrument: B.i

Sample Info: VS-MRE :[112/06/07 @1645(AIR)

Purge Volume: 32.0

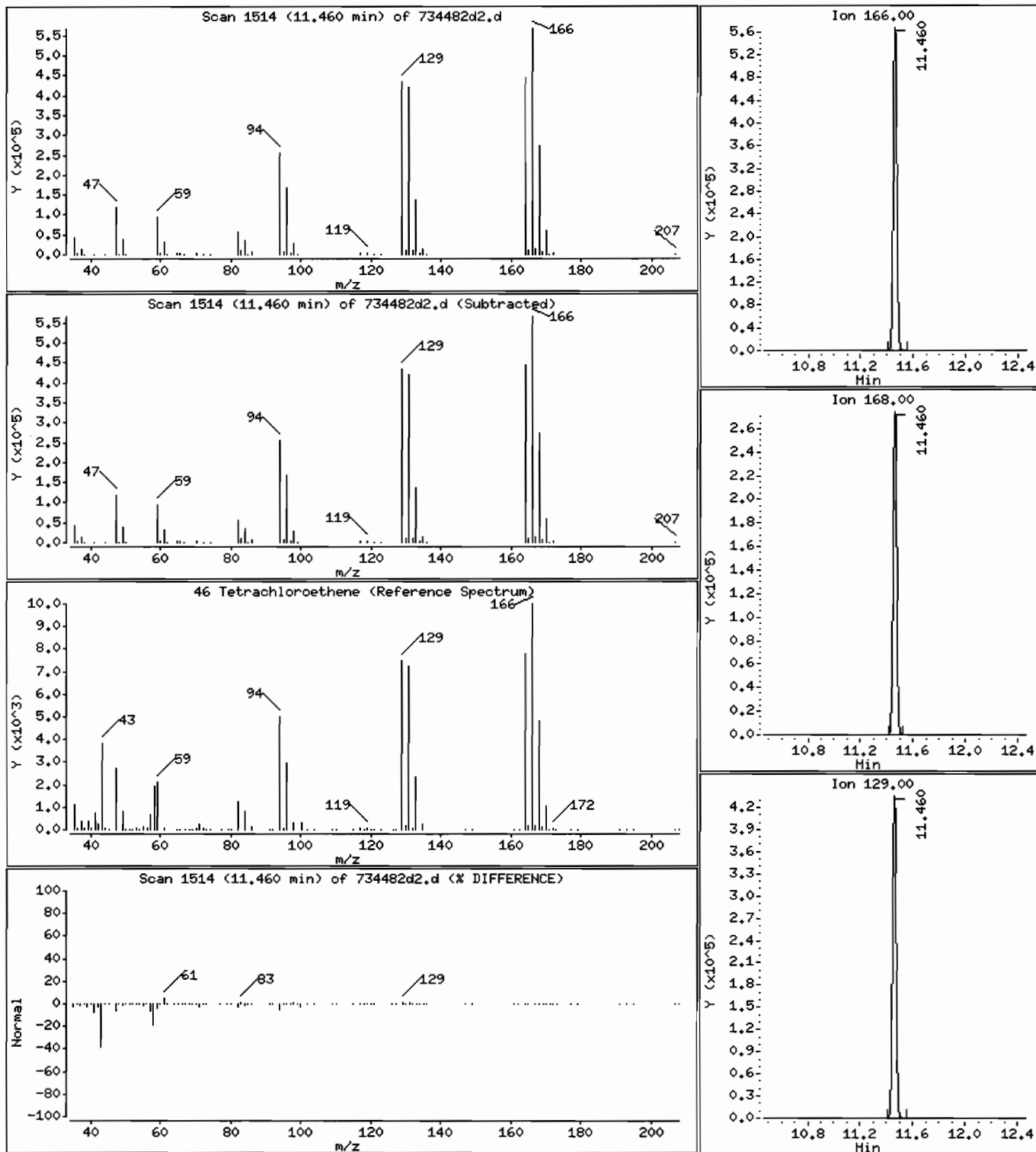
Operator: wrd

Column phase: RTX-624

Column diameter: 0.32

46 Tetrachloroethene

Concentration: 7400 ppbv



FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

ROUX1 SAMPLE NO.

VS-VAC

Lab Name: TESTAMERICA BURLINGTON Contract: 27000

Lab Code: STLV Case No.: 27000 SAS No.: SDG No.: NY123316

Matrix: (soil/water) AIR Lab Sample ID: 734488

Sample wt/vol: 21.00 (g/mL) ML Lab File ID: 734488D2

Level: (low/med) LOW Date Received: 12/07/07

% Moisture: not dec. Date Analyzed: 12/12/07

GC Column: RTX-624 ID: 0.32 (mm) Dilution Factor: 149.0

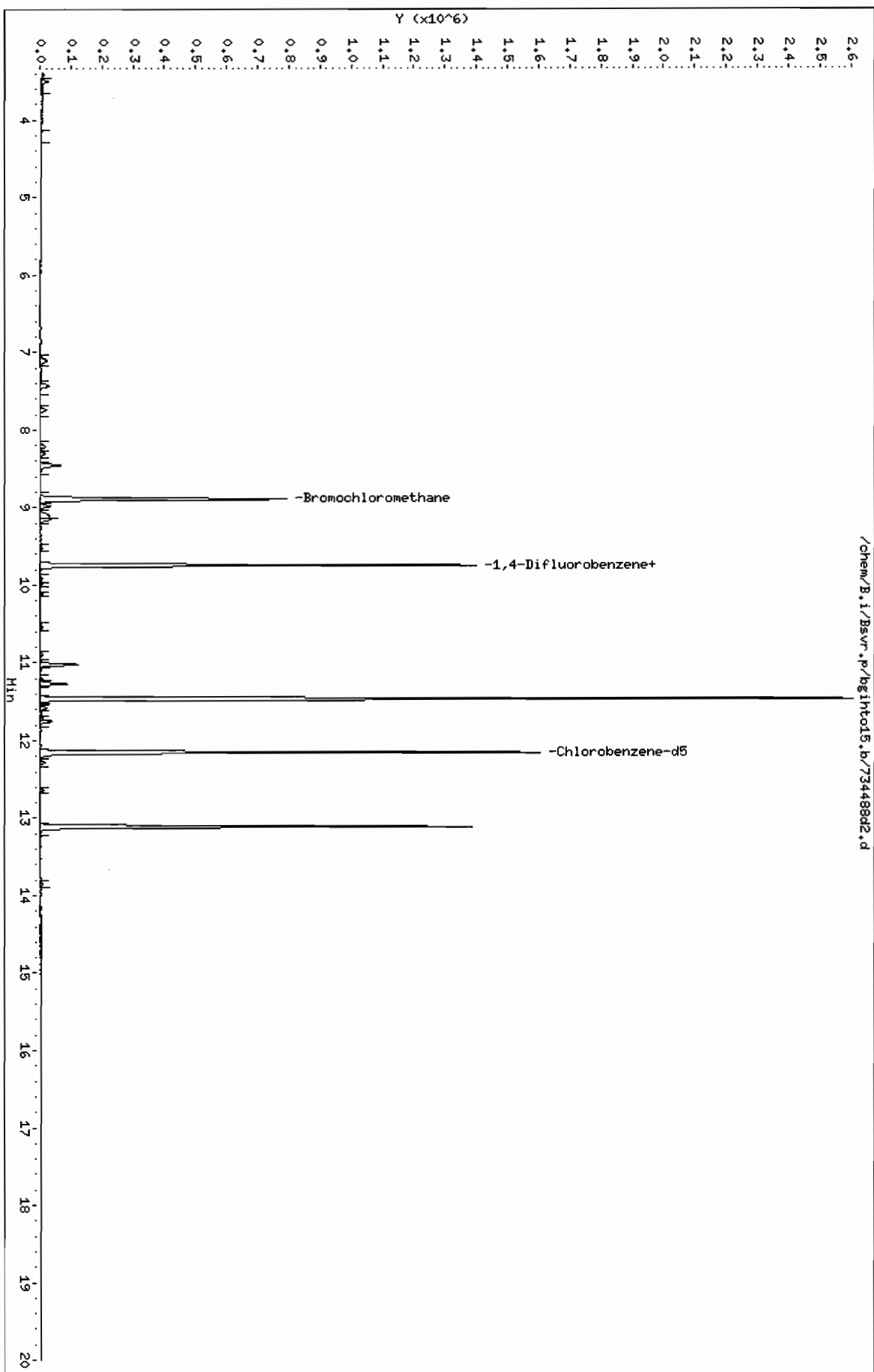
Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg) PPBV	Q
75-01-4-----	Vinyl Chloride	30	U
75-35-4-----	1,1-Dichloroethene	30	U
156-60-5-----	trans-1,2-Dichloroethene	30	U
540-59-0-----	1,2-Dichloroethene (total)	30	U
156-59-2-----	cis-1,2-Dichloroethene	30	U
79-01-6-----	Trichloroethene	30	U
127-18-4-----	Tetrachloroethene	2700	

FORM I VOA

Data File: /chem/B.i/Bsyr.p/bginfo15.b/734488d2.d
Date : 12-DEC-2007 00:44
Client ID: VS-VAC
Sample Info: VS-VAC : [112/06/07 01759(AIR)]
Purge Volume: 21.0
Column phase: RTX-624

Instrument: B.i
Operator: und
Column diameter: 0.32



Data File: /chem/B.i/Bsvr.p/bgihto15.b/734488d2.d
Report Date: 13-Dec-2007 13:40

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AIR TOXICS QUANTITATION REPORT

Data file : /chem/B.i/Bsvr.p/bgihto15.b/734488d2.d
Lab Smp Id: 734488 Client Smp ID: VS-VAC
Inj Date : 12-DEC-2007 00:44
Operator : wrd Inst ID: B.i
Smp Info : VS-VAC : [] 12/06/07 @1759 (AIR)
Misc Info : 734488;121107BA;149;21;CDF15.6
Comment :
Method : /chem/B.i/Bsvr.p/bgihto15.b/rto15.m
Meth Date : 13-Dec-2007 13:39 sv Quant Type: ISTD
Cal Date : 29-NOV-2007 09:21 Cal File: bgi05v2.d
Als bottle: 14
Dil Factor: 149.00000
Integrator: HP RTE Compound Sublist: ROUX1_Ocean.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	149.00000 ✓	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	21.00000	Sample Volume purged (mL)

Cpnd Variable

Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ppbv)	FINAL (ppbv)
-----	----	--	-----	-----	-----	-----	-----
4 Vinyl Chloride	62				Compound Not Detected.		
11 1,1-Dichloroethene	96				Compound Not Detected.		
19 trans-1,2-Dichloroethene	61				Compound Not Detected.		
M 22 1,2-Dichloroethene (total)	61				Compound Not Detected.		
24 cis-1,2-Dichloroethene	96				Compound Not Detected.		
* 25 Bromochloromethane	128	8.893	8.893	(1.000)	220332	10.0000	
* 35 1,4-Difluorobenzene	114	9.747	9.747	(1.000)	1124973	10.0000	
36 Trichloroethene	95				Compound Not Detected.		
46 Tetrachloroethene	166	11.465	11.465	(0.943)	722726	17.9855 ✓	2700
* 50 Chlorobenzene-d5	117	12.153	12.154	(1.000)	899528	10.0000	

Data File: /chem/B.i/Bsvr,p/bgihto15,b/734488d2.d

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Date : 12-DEC-2007 00:44

Client ID: VS-VAC

Instrument: B.i

Sample Info: VS-VAC :[112/06/07 @1759(AIR)

Purge Volume: 21.0

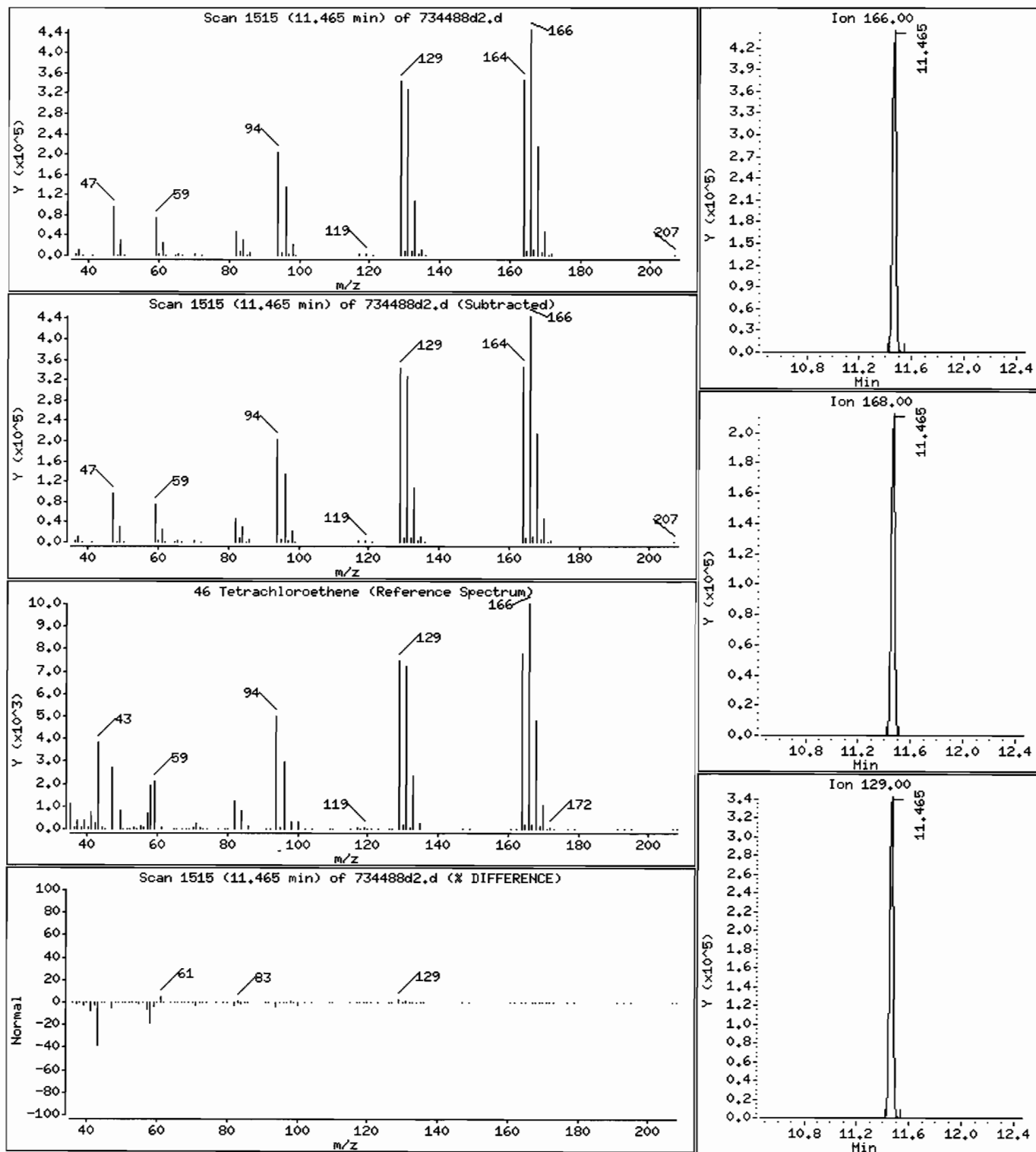
Operator: wrd

Column phase: RTX-624

Column diameter: 0.32

46 Tetrachloroethene

Concentration: 2700 ppbv





Standards – TO-15 Volatile

Lab Name: TESTAMERICA BURLINGTON		Contract: 27000	
Lab Code: STLTV	Case No.: 27000	SAS No.:	SDG No.: NY123316
Instrument ID: B	Calibration Date(s): 11/28/07		11/29/07
Heated Purge: (Y/N) N	Calibration Time(s): 1345		0921
GC Column: RTX-624 ID: 0.32 (mm)			

[illegible]

80

6A

Lab Name: TESTAMERICA BURLINGTON

Contract: 27000

Lab Code: STL V

Case No.: 27000

SAS No. :

SDG No.: NY123316

Instrument ID: B

Calibration Date(s): 11/28/07 11/29/07

Heated Purge: (Y/N) N

Calibration Time(s): 1345

0921

GC Column: RTX-624

ID: 0.32

(mm)

LAB FILE ID:
RRF40 =BGI40V

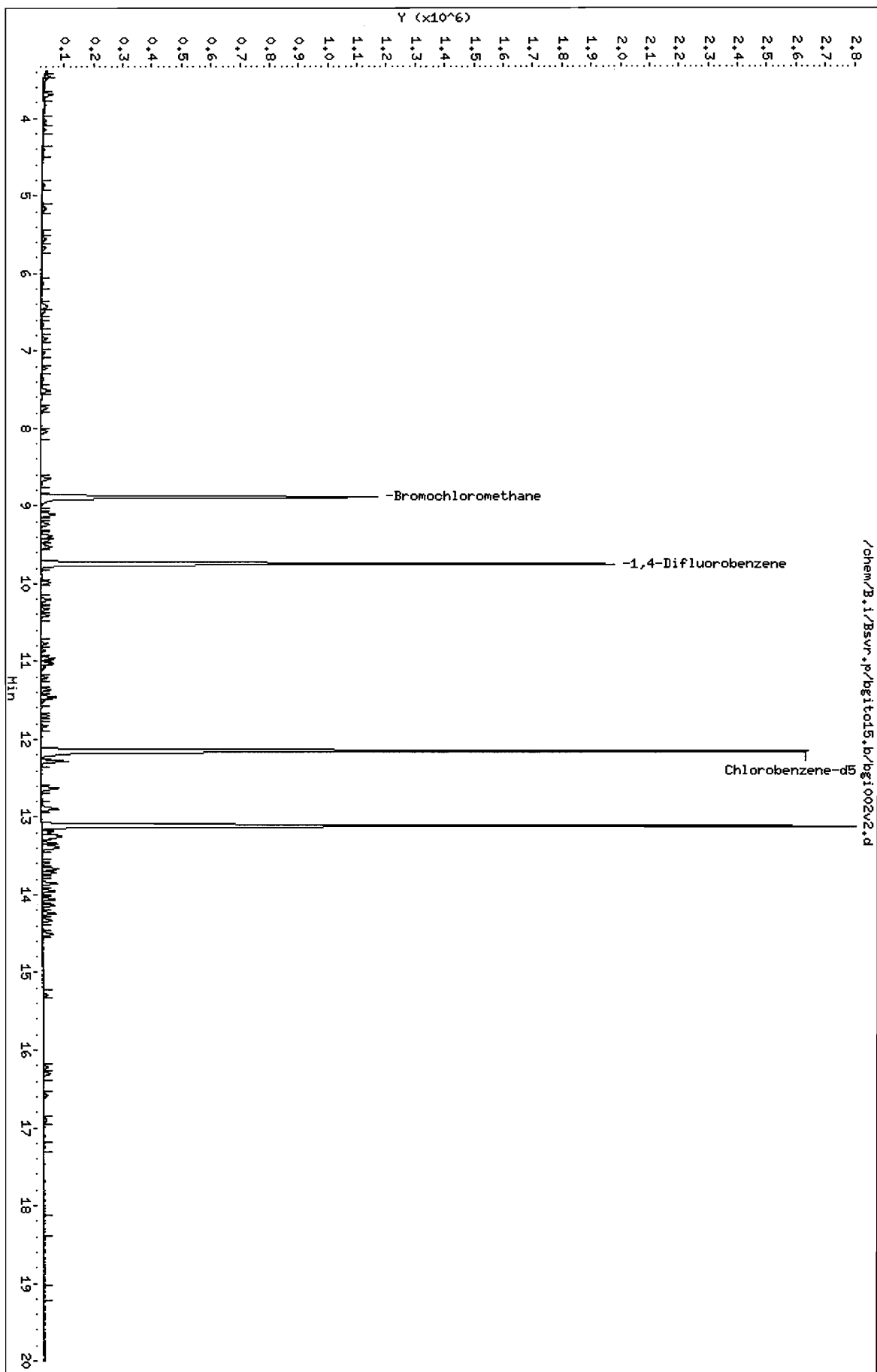
$$\overline{\text{RRF15}} = \text{BGT15V}$$

RRF20 =BGT20V[illegible]

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

Data File: /chem/B.i/Bsvr,p/bg1015,b/bg1002v2.d
Date : 28-NOV-2007 19:24
Client ID: ASTD00002
Sample Info:
Purge Volume: 200.0
Column phase: RTX-624

Instrument: B.i
Operator: wrd
Column diameter: 0.32



Data File: /chem/B.i/Bsvr.p/bgito15.b/bgi002v2.d
Report Date: 30-Nov-2007 12:51

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AIR TOXICS QUANTITATION REPORT

Data file : /chem/B.i/Bsvr.p/bgito15.b/bgi002v2.d
Lab Smp Id: ASTD0002 Client Smp ID: ASTD0002
Inj Date : 28-NOV-2007 19:24
Operator : wrd Inst ID: B.i
Smp Info :
Misc Info : ASTD0002;112807BA;1;200
Comment :
Method : /chem/B.i/Bsvr.p/bgito15.b/rto15.m
Meth Date : 30-Nov-2007 12:51 sv Quant Type: ISTD
Cal Date : 28-NOV-2007 19:24 Cal File: bgi002v2.d
Als bottle: 1 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all002.sub
Target Version: 3.50
Processing Host: chemsvr6

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

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

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
						CAL-AMT (ppbv)	ON-COL (ppbv)
2 1,2-Dichlorotetrafluoroethane	85	3.694	3.689	(0.415)	22645	0.20000	0.22
4 Vinyl Chloride	62	4.068	4.068	(0.457)	8178	0.20000	0.22
6 Bromomethane	94	4.869	4.863	(0.547)	9183	0.20000	0.22
8 Bromoethene	106	5.477	5.472	(0.616)	9210	0.20000	0.21
9 Trichlorofluoromethane	101	5.552	5.557	(0.624)	22447	0.20000	0.21
10 Freon TF	101	6.416	6.422	(0.722)	16362	0.20000	0.21
11 1,1-Dichloroethene	96	6.491	6.491	(0.730)	8012	0.20000	0.21
19 trans-1,2-Dichloroethene	61	7.521	7.521	(0.846)	12054	0.20000	0.21
21 1,1-Dichloroethane	63	8.044	8.044	(0.905)	15407	0.20000	0.22
M 22 1,2-Dichloroethene (total)	61				21589	0.40000	0.42
24 cis-1,2-Dichloroethene	96	8.647	8.647	(0.972)	9535	0.20000	0.22
* 25 Bromochloromethane	128	8.893	8.893	(1.000)	367292	10.0000	(Q)
27 Chloroform	83	8.925	8.930	(1.004)	18128	0.20000	0.22
28 1,1,1-Trichloroethane	97	9.101	9.106	(0.934)	18739	0.20000	0.21
29 Cyclohexane	84	9.117	9.122	(0.935)	13155	0.20000	0.21

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppbv)	ON-COL (ppbv)
=====	=====	==	=====	=====	=====	=====	=====
30 Carbon Tetrachloride	117	9.240	9.240	(0.948)	18856	0.20000	0.20
31 2,2,4-Trimethylpentane	57	9.389	9.389	(0.963)	42366	0.20000	0.22
32 Benzene	78	9.437	9.442	(0.968)	28370	0.20000	0.23
34 n-Heptane	43	9.528	9.528	(0.978)	15905	0.20000	0.22
33 1,2-Dichloroethane	62	9.496	9.496	(0.974)	11054	0.20000	0.22
* 35 1,4-Difluorobenzene	114	9.747	9.747	(1.000)	1728529	10.0000	
36 Trichloroethene	95	9.981	9.987	(1.024)	12405	0.20000	0.22
38 1,2-Dichloropropane	63	10.211	10.211	(1.048)	9028	0.20000	0.22 (QM)
40 Bromodichloromethane	83	10.414	10.414	(1.068)	17582	0.20000	0.20
41 cis-1,3-Dichloropropene	75	10.771	10.771	(1.105)	13722	0.20000	0.22
43 Toluene	92	11.022	11.022	(0.907)	19479	0.20000	0.25
44 trans-1,3-Dichloropropene	75	11.209	11.209	(1.150)	13085	0.20000	0.21
45 1,1,2-Trichloroethane	83	11.369	11.369	(0.935)	8959	0.20000	0.24
46 Tetrachloroethene	166	11.465	11.465	(0.943)	16060	0.20000	0.22
48 Dibromochloromethane	129	11.700	11.700	(0.963)	14767	0.20000	0.19 (a)
49 1,2-Dibromoethane	107	11.833	11.833	(0.974)	14875	0.20000	0.22
* 50 Chlorobenzene-d5	117	12.153	12.154	(1.000)	1631803	10.0000	
51 Chlorobenzene	112	12.175	12.180	(1.002)	26965	0.20000	0.24 (Q)
52 Ethylbenzene	91	12.196	12.196	(1.004)	39012	0.20000	0.24
M 55 Xylene (total)	106				44865	0.20000	0.71
53 Xylene (m,p)	106	12.282	12.282	(1.011)	30222	0.40000	0.46 (a)
54 Xylene (o)	106	12.628	12.629	(1.039)	14643	0.20000	0.23
56 Styrene	104	12.639	12.639	(1.040)	15948	0.20000	0.18 (a)
57 Bromoform	173	12.879	12.879	(1.060)	11263	0.20000	0.17 (a)
58 1,1,2,2-Tetrachloroethane	83	13.194	13.194	(1.086)	21729	0.20000	0.24
59 4-Ethyltoluene	105	13.338	13.338	(1.097)	40641	0.20000	0.23
60 1,3,5-Trimethylbenzene	105	13.376	13.381	(1.101)	32750	0.20000	0.23
61 2-Chlorotoluene	91	13.402	13.402	(1.103)	35842	0.20000	0.25
62 1,2,4-Trimethylbenzene	105	13.717	13.717	(1.129)	29450	0.20000	0.22
63 1,3-Dichlorobenzene	146	14.064	14.064	(1.157)	21622	0.20000	0.23
64 1,4-Dichlorobenzene	146	14.139	14.144	(1.163)	21212	0.20000	0.22
65 1,2-Dichlorobenzene	146	14.512	14.512	(1.194)	19571	0.20000	0.22
67 Hexachlorobutadiene	225	16.306	16.306	(1.342)	5812	0.20000	0.20

QC Flag Legend

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

MANUAL INTEGRATION REPORT

Data File Name: bgi002v2.d

Inj. Date and Time: 28-NOV-2007 19:24

Target Version: Target 3.50

Client Sample ID: ASTD0002

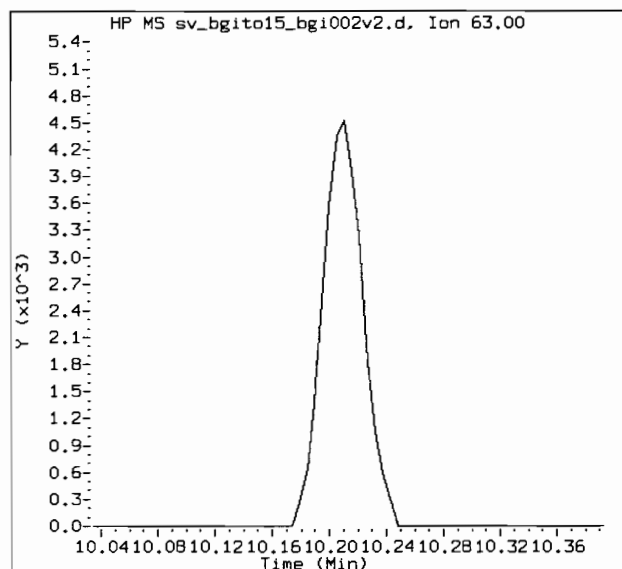
Instrument ID: B.i

Report Version: 1.1

Compound Name: 1,2-Dichloropropane

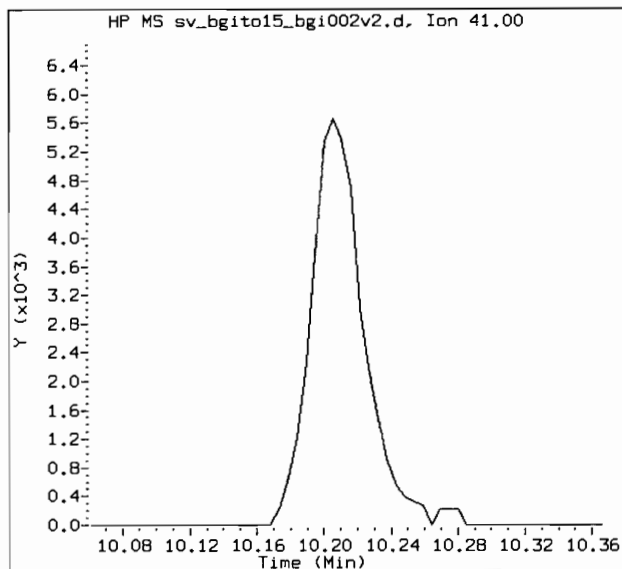
CAS #: 78-87-5

Report Date: 11/30/2007 12:51

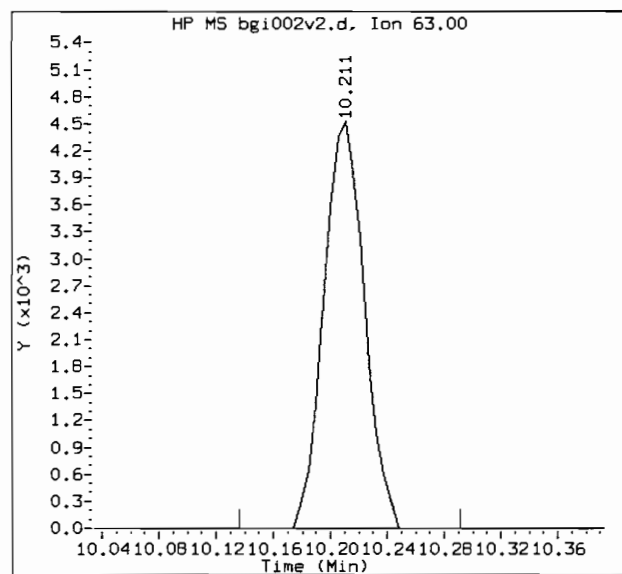


Original Integrations:

Area = 319749

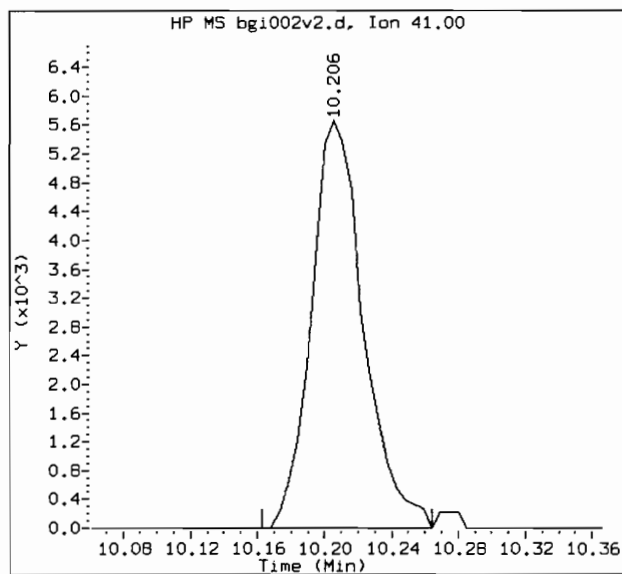


Area = 1232



Final Integrations:

Area = 9028

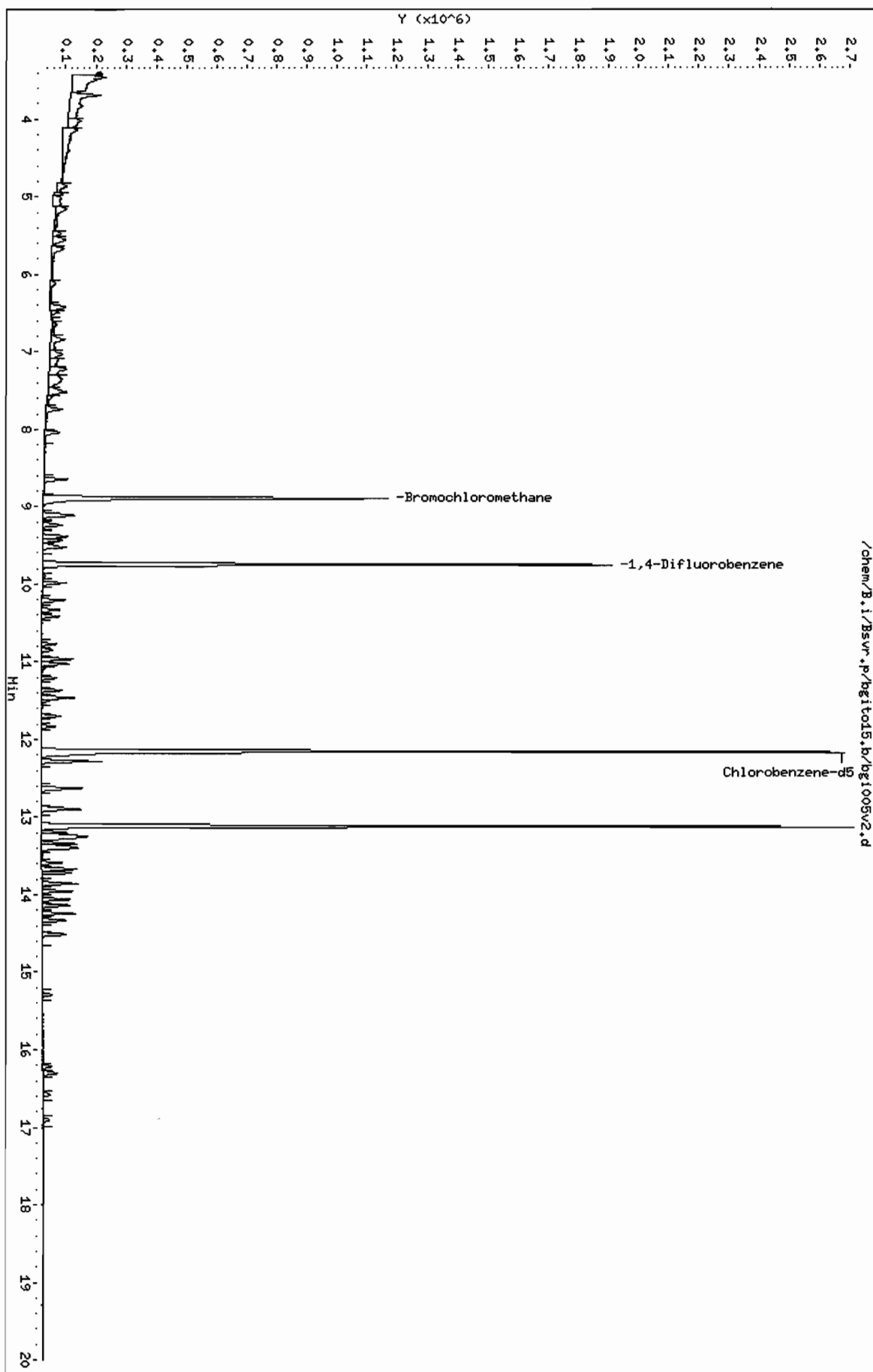


Area = 12268

Manual Integration Reason: MI2 - Peak missed

Data File: /chem/B.i/Bsyr.p/bg1to15.b/bg1005v2.d
Date: 28-NOV-2007 20:12
Client ID: ASTD0005
Sample Info:
Purge Volume: 200.0
Column phase: RTX-624

Instrument: B.i
Operator: wrd
Column diameter: 0.32



Data File: /chem/B.i/Bsvr.p/bgito15.b/bgi005v2.d
 Report Date: 30-Nov-2007 12:42

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TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/B.i/Bsvr.p/bgito15.b/bgi005v2.d
 Lab Smp Id: ASTD0005 Client Smp ID: ASTD0005
 Inj Date : 28-NOV-2007 20:12
 Operator : wrd Inst ID: B.i
 Smp Info :
 Misc Info : ASTD0005;112807BA;1;200
 Comment :
 Method : /chem/B.i/Bsvr.p/bgito15.b/rto15.m
 Meth Date : 30-Nov-2007 12:42 sv Quant Type: ISTD
 Cal Date : 28-NOV-2007 20:12 Cal File: bgi005v2.d
 Als bottle: 2 Calibration Sample, Level: 2
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all005.sub
 Target Version: 3.50
 Processing Host: chemsvr6

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

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

Cpnd Variable

Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
						CAL-AMT (ppbv)	ON-COL (ppbv)
1 Dichlorodifluoromethane	85	3.455	3.454	(0.388)	44165	0.50000	0.53
168 Freon 22	51	3.492	3.492	(0.393)	23379	0.50000	0.56
2 1,2-Dichlorotetrafluoroethane	85	3.689	3.689	(0.415)	51000	0.50000	0.52
3 Chloromethane	50	3.833	3.828	(0.431)	14857	0.50000	0.56
4 Vinyl Chloride	62	4.068	4.068	(0.457)	18068	0.50000	0.51
5 1,3-Butadiene	54	4.138	4.143	(0.465)	12510	0.50000	0.49(a)
6 Bromomethane	94	4.863	4.863	(0.547)	20031	0.50000	0.51
7 Chloroethane	64	5.088	5.087	(0.572)	10514	0.50000	0.51
8 Bromoethene	106	5.477	5.472	(0.616)	19861	0.50000	0.49
9 Trichlorofluoromethane	101	5.557	5.557	(0.625)	50204	0.50000	0.50
10 Freon TF	101	6.427	6.422	(0.723)	36001	0.50000	0.49
11 1,1-Dichloroethene	96	6.491	6.491	(0.730)	17783	0.50000	0.49
14 Carbon Disulfide	76	6.843	6.843	(0.770)	56547	0.50000	0.51
15 3-Chloropropene	41	7.030	7.030	(0.791)	22418	0.50000	0.51
16 Methylene Chloride	49	7.222	7.222	(0.812)	22891	0.50000	0.59

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppbv)	ON-COL (ppbv)
-----	----	==	-----	-----	-----	-----	-----
18 Methyl tert-Butyl Ether	73	7.495	7.478	(0.843)	43313	0.50000	0.55
19 trans-1,2-Dichloroethene	61	7.521	7.521	(0.846)	28770	0.50000	0.52
20 n-Hexane	57	7.740	7.740	(0.870)	31135	0.50000	0.52
21 1,1-Dichloroethane	63	8.044	8.044	(0.905)	33917	0.50000	0.52
M 22 1,2-Dichloroethene (total)	61				49143	1.00000	1.0
23 Methyl Ethyl Ketone	72	8.653	8.637	(0.973)	7380	0.50000	0.52
24 cis-1,2-Dichloroethene	96	8.647	8.647	(0.972)	20373	0.50000	0.49
* 25 Bromochloromethane	128	8.893	8.893	(1.000)	347281	10.0000	
27 Chloroform	83	8.925	8.930	(1.004)	40313	0.50000	0.53
28 1,1,1-Trichloroethane	97	9.106	9.106	(0.934)	41709	0.50000	0.50
29 Cyclohexane	84	9.117	9.122	(0.935)	28398	0.50000	0.48
30 Carbon Tetrachloride	117	9.240	9.240	(0.948)	42129	0.50000	0.49
31 2,2,4-Trimethylpentane	57	9.389	9.389	(0.963)	94384	0.50000	0.52
32 Benzene	78	9.443	9.442	(0.969)	60370	0.50000	0.52
34 n-Heptane	43	9.528	9.528	(0.978)	35539	0.50000	0.53
33 1,2-Dichloroethane	62	9.496	9.496	(0.974)	24517	0.50000	0.53
* 35 1,4-Difluorobenzene	114	9.747	9.747	(1.000)	1612180	10.0000	
36 Trichloroethene	95	9.982	9.987	(1.024)	26745	0.50000	0.50
37 Methyl Methacrylate	69	10.200	10.195	(1.047)	12629	0.50000	0.42(aQ)
38 1,2-Dichloropropane	63	10.211	10.211	(1.048)	20483	0.50000	0.54(Q)
40 Bromodichloromethane	83	10.414	10.414	(1.068)	39095	0.50000	0.49
41 cis-1,3-Dichloropropene	75	10.771	10.771	(1.105)	30402	0.50000	0.51
42 Methyl Isobutyl Ketone	43	10.851	10.841	(1.113)	26761	0.50000	0.48(a)
43 Toluene	92	11.022	11.022	(0.907)	41431	0.50000	0.55
44 trans-1,3-Dichloropropene	75	11.209	11.209	(1.150)	29323	0.50000	0.51
45 1,1,2-Trichloroethane	83	11.369	11.369	(0.935)	19669	0.50000	0.55
46 Tetrachloroethene	166	11.465	11.465	(0.943)	33082	0.50000	0.48
47 Methyl Butyl Ketone	43	11.503	11.486	(0.946)	23450	0.50000	0.50
48 Dibromochloromethane	129	11.700	11.700	(0.963)	33887	0.50000	0.46
49 1,2-Dibromoethane	107	11.834	11.833	(0.974)	33225	0.50000	0.51
* 50 Chlorobenzene-d5	117	12.154	12.154	(1.000)	1552179	10.0000	
51 Chlorobenzene	112	12.175	12.180	(1.002)	57615	0.50000	0.53(Q)
52 Ethylbenzene	91	12.196	12.196	(1.004)	82865	0.50000	0.54
M 55 Xylene (total)	106				96927	0.50000	1.6
53 Xylene (m,p)	106	12.282	12.282	(1.011)	65538	1.00000	1.1
54 Xylene (o)	106	12.629	12.629	(1.039)	31389	0.50000	0.52
56 Styrene	104	12.639	12.639	(1.040)	36834	0.50000	0.44
57 Bromoform	173	12.880	12.879	(1.060)	25838	0.50000	0.40
58 1,1,2,2-Tetrachloroethane	83	13.194	13.194	(1.086)	47062	0.50000	0.54
59 4-Ethyltoluene	105	13.338	13.338	(1.097)	86471	0.50000	0.52
60 1,3,5-Trimethylbenzene	105	13.381	13.381	(1.101)	67004	0.50000	0.50
61 2-Chlorotoluene	91	13.403	13.402	(1.103)	74863	0.50000	0.54
62 1,2,4-Trimethylbenzene	105	13.717	13.717	(1.129)	63322	0.50000	0.50
63 1,3-Dichlorobenzene	146	14.064	14.064	(1.157)	44521	0.50000	0.49
64 1,4-Dichlorobenzene	146	14.139	14.144	(1.163)	44847	0.50000	0.50
65 1,2-Dichlorobenzene	146	14.513	14.512	(1.194)	40867	0.50000	0.49
66 1,2,4-Trichlorobenzene	180	16.220	16.215	(1.335)	13713	0.50000	0.40(a)

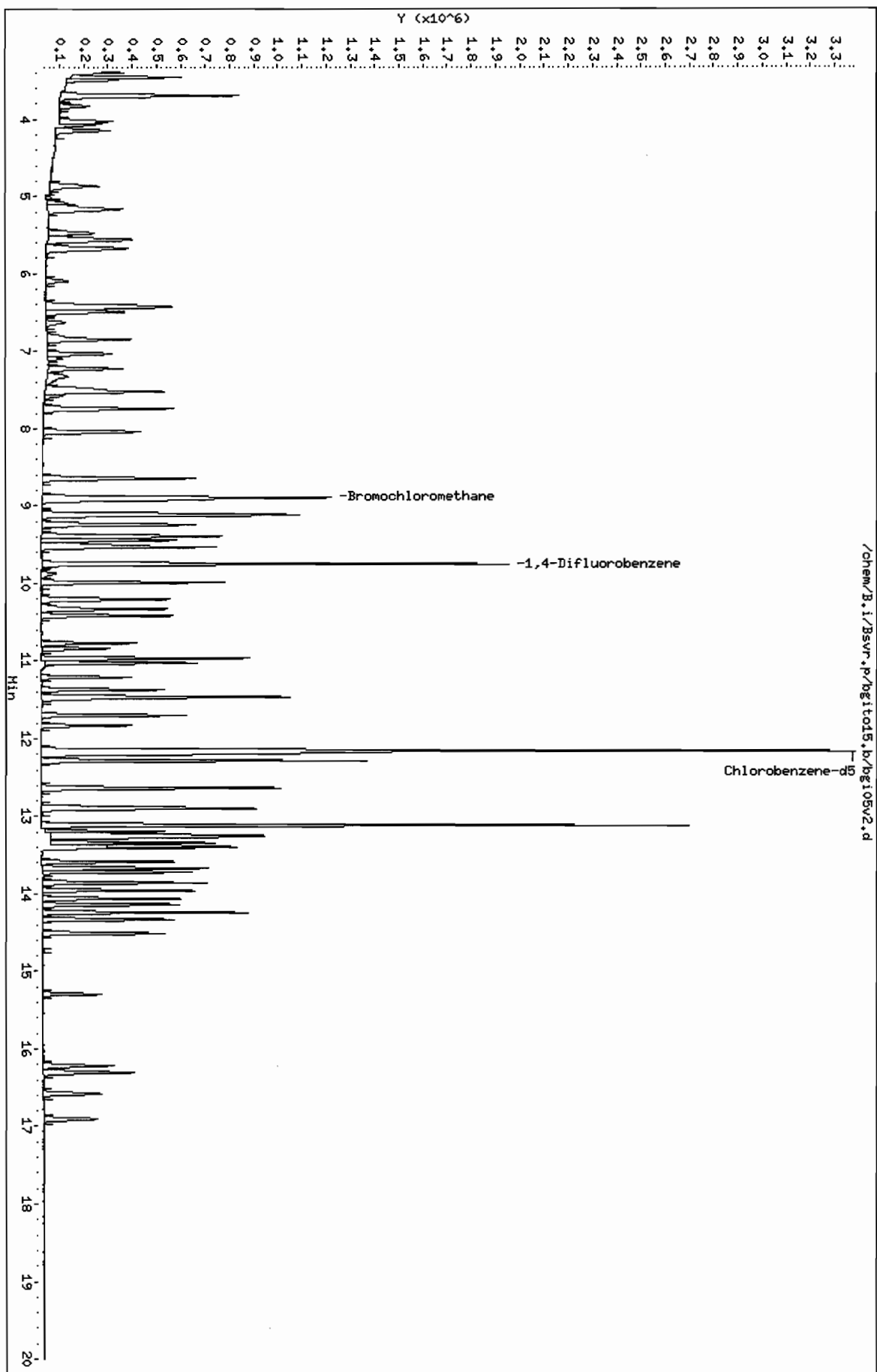
Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppbv)	ON-COL (ppbv)
=====	====	==	=====	=====	=====	=====	=====
67 Hexachlorobutadiene	225	16.300	16.306	(1.341)	11839	0.50000	0.44
68 Naphthalene	128	16.578	16.578	(1.364)	29754	0.50000	0.39(a)

QC Flag Legend

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

Data File: /chem/B.i/Bsrf.p/bg1015.b/bg105v2.d
Date: 29-NOV-2007 09:21
Client ID: ASTD005
Sample Info:
Purge Volume: 200.0
Column phase: RTX-624

Instrument: B.i
Operator: wrd
Column diameter: 0.32



Data File: /chem/B.i/Bsvr.p/bgito15.b/bgi05v2.d
 Report Date: 30-Nov-2007 12:42

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AIR TOXICS QUANTITATION REPORT

Data file : /chem/B.i/Bsvr.p/bgito15.b/bgi05v2.d
 Lab Smp Id: ASTD005 Client Smp ID: ASTD005
 Inj Date : 29-NOV-2007 09:21
 Operator : wrd Inst ID: B.i
 Smp Info :
 Misc Info : ASTD005;112807BA;1;200
 Comment :
 Method : /chem/B.i/Bsvr.p/bgito15.b/rto15.m
 Meth Date : 30-Nov-2007 12:42 sv Quant Type: ISTD
 Cal Date : 29-NOV-2007 09:21 Cal File: bgi05v2.d
 Als bottle: 3 Calibration Sample, Level: 4
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: 3.50
 Processing Host: chemsvr6

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

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

Cpnd Variable

Local Compound Variable

Compounds	QUANT SIG						AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE		CAL-AMT (ppbv)	ON-COL (ppbv)
1 Dichlorodifluoromethane	85	3.455	3.454	(0.388)	478871		5.00000	5.5
168 Freon 22	51	3.492	3.492	(0.393)	241527		5.00000	5.5
2 1,2-Dichlorotetrafluoroethane	85	3.695	3.689	(0.415)	564467		5.00000	5.5
3 Chloromethane	50	3.833	3.828	(0.431)	151081		5.00000	5.5
4 Vinyl Chloride	62	4.068	4.068	(0.457)	205464		5.00000	5.5
5 1,3-Butadiene	54	4.148	4.143	(0.466)	152115		5.00000	5.7
6 Bromomethane	94	4.864	4.863	(0.547)	215968		5.00000	5.3
7 Chloroethane	64	5.093	5.087	(0.573)	114848		5.00000	5.4
8 Bromoethene	106	5.472	5.472	(0.615)	222614		5.00000	5.3
9 Trichlorofluoromethane	101	5.563	5.557	(0.626)	551268		5.00000	5.3
10 Freon TF	101	6.422	6.422	(0.722)	394365		5.00000	5.1
11 1,1-Dichloroethene	96	6.491	6.491	(0.730)	193542		5.00000	5.1
12 Acetone	43	6.630	6.619	(0.746)	135496		5.00000	3.7 (a)
13 Isopropyl Alcohol	45	6.806	6.790	(0.765)	135919		5.00000	4.1 (a)
14 Carbon Disulfide	76	6.849	6.843	(0.770)	612912		5.00000	5.3

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppbv)	ON-COL (ppbv)
=====	=====	==	=====	=====	=====	=====	=====
15 3-Chloropropene	41	7.030	7.030	(0.791)	242218	5.00000	5.3
16 Methylene Chloride	49	7.222	7.222	(0.812)	208486	5.00000	5.2
17 tert-Butyl Alcohol	59	7.324	7.313	(0.824)	190446	5.00000	4.0(a)
18 Methyl tert-Butyl Ether	73	7.484	7.478	(0.842)	290116	5.00000	3.5
19 trans-1,2-Dichloroethene	61	7.521	7.521	(0.846)	299757	5.00000	5.2
20 n-Hexane	57	7.745	7.740	(0.871)	326434	5.00000	5.3
21 1,1-Dichloroethane	63	8.044	8.044	(0.905)	337950	5.00000	4.9
M 22 1,2-Dichloroethene (total)	61				514502	10.0000	10
23 Methyl Ethyl Ketone	72	8.642	8.637	(0.972)	51730	5.00000	3.5(Q)
24 cis-1,2-Dichloroethene	96	8.647	8.647	(0.972)	214745	5.00000	5.0
26 Tetrahydrofuran	42	8.920	8.914	(0.915)	112994	5.00000	3.6(a)
* 25 Bromochloromethane	128	8.893	8.893	(1.000)	362032	10.0000	
27 Chloroform	83	8.925	8.930	(1.004)	377422	5.00000	4.7
28 1,1,1-Trichloroethane	97	9.106	9.106	(0.934)	430797	5.00000	5.0
29 Cyclohexane	84	9.122	9.122	(0.936)	312498	5.00000	5.1
30 Carbon Tetrachloride	117	9.240	9.240	(0.948)	463114	5.00000	5.2
31 2,2,4-Trimethylpentane	57	9.389	9.389	(0.963)	876913	5.00000	4.7
32 Benzene	78	9.443	9.442	(0.969)	527447	5.00000	4.4
34 n-Heptane	43	9.528	9.528	(0.978)	319774	5.00000	4.6
33 1,2-Dichloroethane	62	9.496	9.496	(0.974)	213003	5.00000	4.5
* 35 1,4-Difluorobenzene	114	9.747	9.747	(1.000)	1666974	10.0000	
36 Trichloroethene	95	9.987	9.987	(1.025)	257874	5.00000	4.7
37 Methyl Methacrylate	69	10.195	10.195	(1.046)	96979	5.00000	3.1(Q)
38 1,2-Dichloropropane	63	10.211	10.211	(1.048)	153550	5.00000	3.9(Q)
39 1,4-Dioxane	88	10.296	10.291	(1.056)	53381	5.00000	3.8(a)
40 Bromodichloromethane	83	10.414	10.414	(1.068)	371605	5.00000	4.5
41 cis-1,3-Dichloropropene	75	10.771	10.771	(1.105)	237355	5.00000	3.9
42 Methyl Isobutyl Ketone	43	10.841	10.841	(1.112)	198589	5.00000	3.5
43 Toluene	92	11.022	11.022	(0.907)	294813	5.00000	3.8
44 trans-1,3-Dichloropropene	75	11.209	11.209	(1.150)	214499	5.00000	3.6
45 1,1,2-Trichloroethane	83	11.369	11.369	(0.935)	146413	5.00000	4.0
46 Tetrachloroethene	166	11.465	11.465	(0.943)	313892	5.00000	4.4
47 Methyl Butyl Ketone	43	11.492	11.486	(0.946)	168963	5.00000	3.5
48 Dibromochloromethane	129	11.700	11.700	(0.963)	334208	5.00000	4.4
49 1,2-Dibromoethane	107	11.834	11.833	(0.974)	262528	5.00000	4.0
* 50 Chlorobenzene-d5	117	12.154	12.154	(1.000)	1587359	10.0000	
51 Chlorobenzene	112	12.180	12.180	(1.002)	424738	5.00000	3.8
52 Ethylbenzene	91	12.196	12.196	(1.004)	560008	5.00000	3.5
M 55 Xylene (total)	106				643024	5.00000	10
53 Xylene (m,p)	106	12.282	12.282	(1.011)	434704	10.0000	6.8
54 Xylene (o)	106	12.629	12.629	(1.039)	208320	5.00000	3.4
56 Styrene	104	12.639	12.639	(1.040)	294230	5.00000	3.4
57 Bromoform	173	12.880	12.879	(1.060)	252705	5.00000	3.8
58 1,1,2,2-Tetrachloroethane	83	13.194	13.194	(1.086)	298925	5.00000	3.4
59 4-Ethyltoluene	105	13.339	13.338	(1.097)	530669	5.00000	3.1
60 1,3,5-Trimethylbenzene	105	13.381	13.381	(1.101)	437554	5.00000	3.2
61 2-Chlorotoluene	91	13.403	13.402	(1.103)	498597	5.00000	3.5

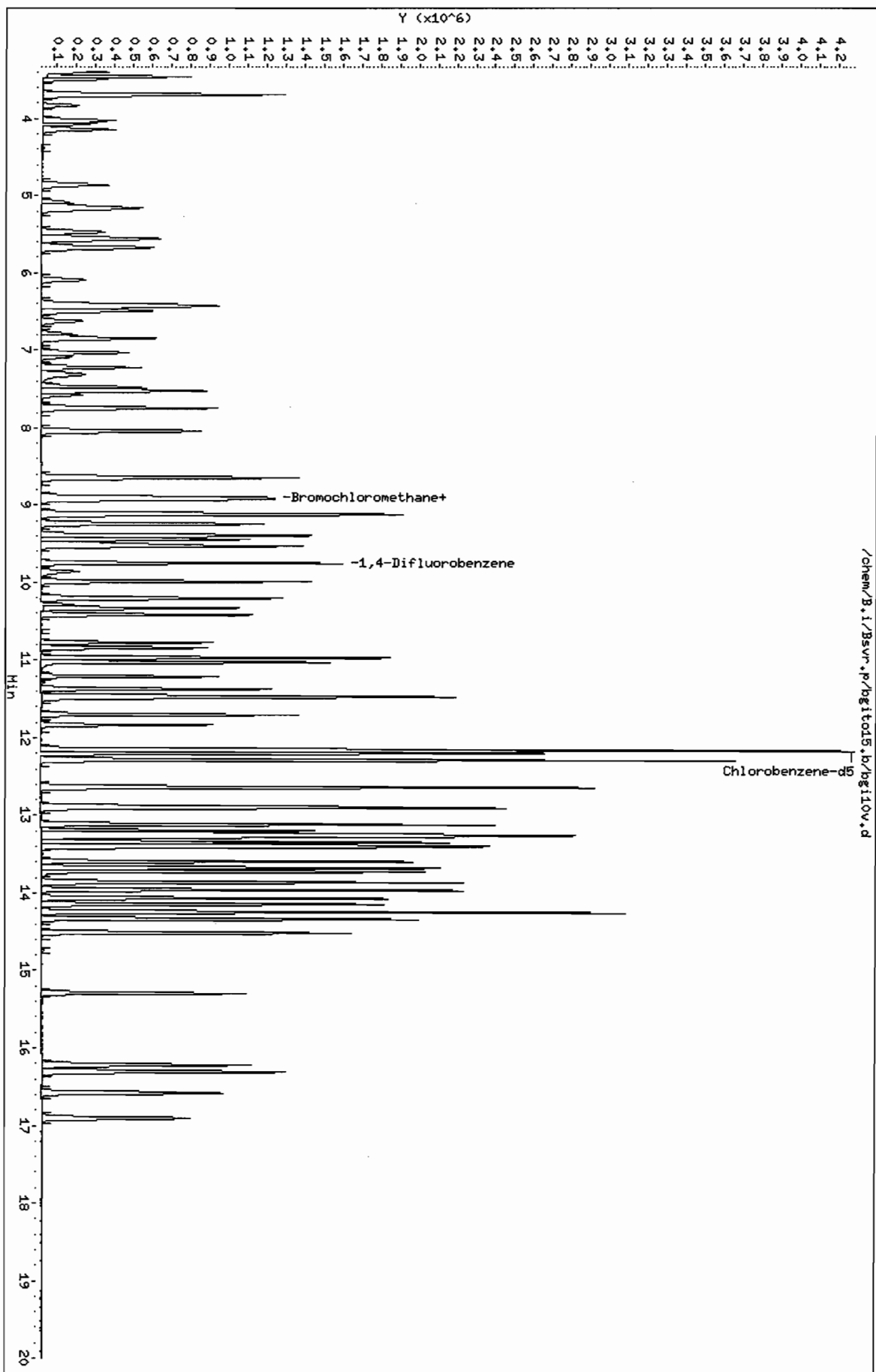
Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppbv)	ON-COL (ppbv)
-----	----	==	=====	=====	=====	=====	=====
62 1,2,4-Trimethylbenzene	105	13.717	13.717	(1.129)	392158	5.00000	3.0
63 1,3-Dichlorobenzene	146	14.064	14.064	(1.157)	284068	5.00000	3.1
64 1,4-Dichlorobenzene	146	14.139	14.144	(1.163)	278227	5.00000	3.0
65 1,2-Dichlorobenzene	146	14.513	14.512	(1.194)	257881	5.00000	3.0
66 1,2,4-Trichlorobenzene	180	16.220	16.215	(1.335)	126699	5.00000	3.6
67 Hexachlorobutadiene	225	16.306	16.306	(1.342)	96715	5.00000	3.5
68 Naphthalene	128	16.578	16.578	(1.364)	293514	5.00000	3.8

QC Flag Legend

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

Data File: /chem/B.i/Bsyr,p/bg1015,b/bg110v,d
Date: 28-NOV-2007 13:45
Client ID: ASTD010
Sample Info:
Purge Volume: 200.0
Column phase: RTX-624

Instrument: B.i
Operator: wrd
Column diameter: 0.32



Data File: /chem/B.i/Bsvr.p/bgito15.b/bgil0v.d
Report Date: 30-Nov-2007 12:42

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AIR TOXICS QUANTITATION REPORT

Data file : /chem/B.i/Bsvr.p/bgito15.b/bgil0v.d
Lab Smp Id: ASTD010 Client Smp ID: ASTD010
Inj Date : 28-NOV-2007 13:45
Operator : wrd Inst ID: B.i
Smp Info :
Misc Info : ASTD010;112807BA;1;200
Comment :
Method : /chem/B.i/Bsvr.p/bgito15.b/rto15.m
Meth Date : 30-Nov-2007 12:42 sv Quant Type: ISTD
Cal Date : 28-NOV-2007 13:45 Cal File: bgil0v.d
Als bottle: 4 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

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

Cpnd Variable Local Compound Variable

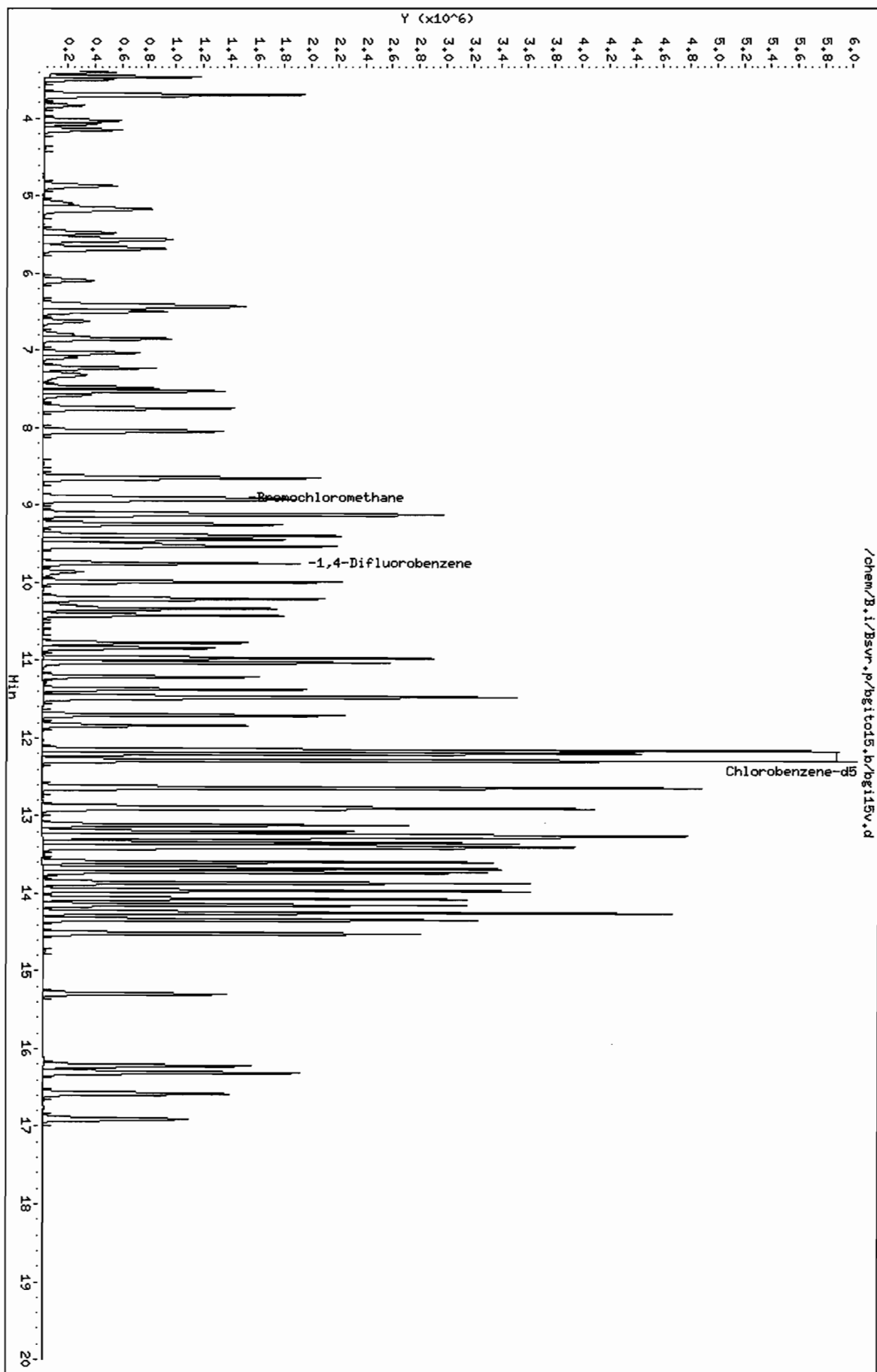
Compounds	QUANT SIG						AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppbv)	ON-COL (ppbv)	
1 Dichlorodifluoromethane	85	3.454	3.454	(0.388)	824440	10.0000	11	
168 Freon 22	51	3.492	3.492	(0.393)	413212	10.0000	11	
2 1,2-Dichlorotetrafluoroethane	85	3.689	3.689	(0.415)	952002	10.0000	11	
3 Chloromethane	50	3.828	3.828	(0.430)	256168	10.0000	11	
4 Vinyl Chloride	62	4.068	4.068	(0.457)	342990	10.0000	11	
5 1,3-Butadiene	54	4.143	4.143	(0.466)	257079	10.0000	11	
6 Bromomethane	94	4.863	4.863	(0.547)	369352	10.0000	11	
7 Chloroethane	64	5.087	5.087	(0.572)	198564	10.0000	11	
8 Bromoethene	106	5.472	5.472	(0.615)	380884	10.0000	11	
9 Trichlorofluoromethane	101	5.557	5.557	(0.625)	957015	10.0000	11	
10 Freon TF	101	6.422	6.422	(0.722)	699322	10.0000	11	
11 1,1-Dichloroethene	96	6.491	6.491	(0.730)	341028	10.0000	11	
12 Acetone	43	6.619	6.619	(0.744)	357559	10.0000	11	
13 Isopropyl Alcohol	45	6.790	6.790	(0.764)	351181	10.0000	12	
14 Carbon Disulfide	76	6.843	6.843	(0.770)	1075413	10.0000	11	

Compounds	QUANT SIG			REL RT	RESPONSE	AMOUNTS	
	MASS	RT	EXP RT			CAL-AMT (ppbv)	ON-COL (ppbv)
=====	=====	==	=====	=====	=====	=====	=====
15 3-Chloropropene	41	7.030	7.030	(0.791)	421339	10.0000	11
16 Methylene Chloride	49	7.222	7.222	(0.812)	364079	10.0000	11
17 tert-Butyl Alcohol	59	7.313	7.313	(0.822)	502186	10.0000	12
18 Methyl tert-Butyl Ether	73	7.478	7.478	(0.841)	772655	10.0000	11
19 trans-1,2-Dichloroethene	61	7.521	7.521	(0.846)	531559	10.0000	11
20 n-Hexane	57	7.740	7.740	(0.870)	574438	10.0000	11
21 1,1-Dichloroethane	63	8.044	8.044	(0.905)	607733	10.0000	10
M 22 1,2-Dichloroethene (total)	61				915098	20.0000	21
23 Methyl Ethyl Ketone	72	8.637	8.637	(0.971)	143199	10.0000	11
24 cis-1,2-Dichloroethene	96	8.647	8.647	(0.972)	383539	10.0000	10
26 Tetrahydrofuran	42	8.914	8.914	(0.915)	305631	10.0000	12
* 25 Bromochloromethane	128	8.893	8.893	(1.000)	307506	10.0000	
27 Chloroform	83	8.930	8.930	(1.004)	705539	10.0000	10
28 1,1,1-Trichloroethane	97	9.106	9.106	(0.934)	772570	10.0000	11
29 Cyclohexane	84	9.122	9.122	(0.936)	559330	10.0000	11
30 Carbon Tetrachloride	117	9.240	9.240	(0.948)	821906	10.0000	11
31 2,2,4-Trimethylpentane	57	9.389	9.389	(0.963)	1668936	10.0000	11
32 Benzene	78	9.442	9.442	(0.969)	1037682	10.0000	10
34 n-Heptane	43	9.528	9.528	(0.978)	616893	10.0000	11
33 1,2-Dichloroethane	62	9.496	9.496	(0.974)	420507	10.0000	11
* 35 1,4-Difluorobenzene	114	9.747	9.747	(1.000)	1374145	10.0000	
36 Trichloroethene	95	9.987	9.987	(1.025)	482836	10.0000	11
37 Methyl Methacrylate	69	10.195	10.195	(1.046)	302029	10.0000	12
38 1,2-Dichloropropane	63	10.211	10.211	(1.048)	342920	10.0000	11
39 1,4-Dioxane	88	10.291	10.291	(1.056)	147437	10.0000	13
40 Bromodichloromethane	83	10.414	10.414	(1.068)	764727	10.0000	11
41 cis-1,3-Dichloropropene	75	10.771	10.771	(1.105)	544968	10.0000	11
42 Methyl Isobutyl Ketone	43	10.841	10.841	(1.112)	622725	10.0000	13
43 Toluene	92	11.022	11.022	(0.907)	701263	10.0000	10
44 trans-1,3-Dichloropropene	75	11.209	11.209	(1.150)	538557	10.0000	11
45 1,1,2-Trichloroethane	83	11.369	11.369	(0.935)	346240	10.0000	10
46 Tetrachloroethene	166	11.465	11.465	(0.943)	644192	10.0000	10
47 Methyl Butyl Ketone	43	11.486	11.486	(0.945)	583434	10.0000	13
48 Dibromochloromethane	129	11.700	11.700	(0.963)	761156	10.0000	11
49 1,2-Dibromoethane	107	11.833	11.833	(0.974)	644400	10.0000	11
* 50 Chlorobenzene-d5	117	12.154	12.154	(1.000)	1435803	10.0000	
51 Chlorobenzene	112	12.180	12.180	(1.002)	1007827	10.0000	10
52 Ethylbenzene	91	12.196	12.196	(1.004)	1484519	10.0000	10
M 55 Xylene (total)	106				1771950	10.0000	32
53 Xylene (m,p)	106	12.282	12.282	(1.011)	1195745	20.0000	21
54 Xylene (o)	106	12.629	12.629	(1.039)	576205	10.0000	10
56 Styrene	104	12.639	12.639	(1.040)	902139	10.0000	12
57 Bromoform	173	12.879	12.879	(1.060)	680402	10.0000	11
58 1,1,2,2-Tetrachloroethane	83	13.194	13.194	(1.086)	849436	10.0000	11
59 4-Ethyltoluene	105	13.338	13.338	(1.097)	1596035	10.0000	10
60 1,3,5-Trimethylbenzene	105	13.381	13.381	(1.101)	1361186	10.0000	11
61 2-Chlorotoluene	91	13.402	13.402	(1.103)	1349950	10.0000	10

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppbv)	ON-COL (ppbv)
=====	----	--	=====	=====	=====	=====	=====
62 1,2,4-Trimethylbenzene	105	13.717	13.717	(1.129)	1278783	10.0000	11
63 1,3-Dichlorobenzene	146	14.064	14.064	(1.157)	886709	10.0000	11
64 1,4-Dichlorobenzene	146	14.144	14.144	(1.164)	875651	10.0000	10
65 1,2-Dichlorobenzene	146	14.512	14.512	(1.194)	816055	10.0000	11
66 1,2,4-Trichlorobenzene	180	16.215	16.215	(1.334)	476955	10.0000	15
67 Hexachlorobutadiene	225	16.306	16.306	(1.342)	335574	10.0000	13
68 Naphthalene	128	16.578	16.578	(1.364)	1169747	10.0000	17

Data File: /chem/B.i/Bsyr.p/bg1015.b/bg115v.d
Date: 28-NOV-2007 14:34
Client ID: ASTD015
Sample Info:
Purge Volume: 200.0
Column phase: RTX-624

Instrument: B.i
Operator: wrd
Column diameter: 0.32



Data File: /chem/B.i/Bsvr.p/bgito15.b/bgi15v.d
Report Date: 30-Nov-2007 12:42

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AIR TOXICS QUANTITATION REPORT

Data file : /chem/B.i/Bsvr.p/bgito15.b/bgi15v.d
Lab Smp Id: ASTD015 Client Smp ID: ASTD015
Inj Date : 28-NOV-2007 14:34
Operator : wrd Inst ID: B.i
Smp Info :
Misc Info : ASTD015;112807BA;1;200
Comment :
Method : /chem/B.i/Bsvr.p/bgito15.b/rto15.m
Meth Date : 30-Nov-2007 12:42 sv Quant Type: ISTD
Cal Date : 28-NOV-2007 14:34 Cal File: bgi15v.d
Als bottle: 5 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all015.sub
Target Version: 3.50
Processing Host: chemsvr6

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

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

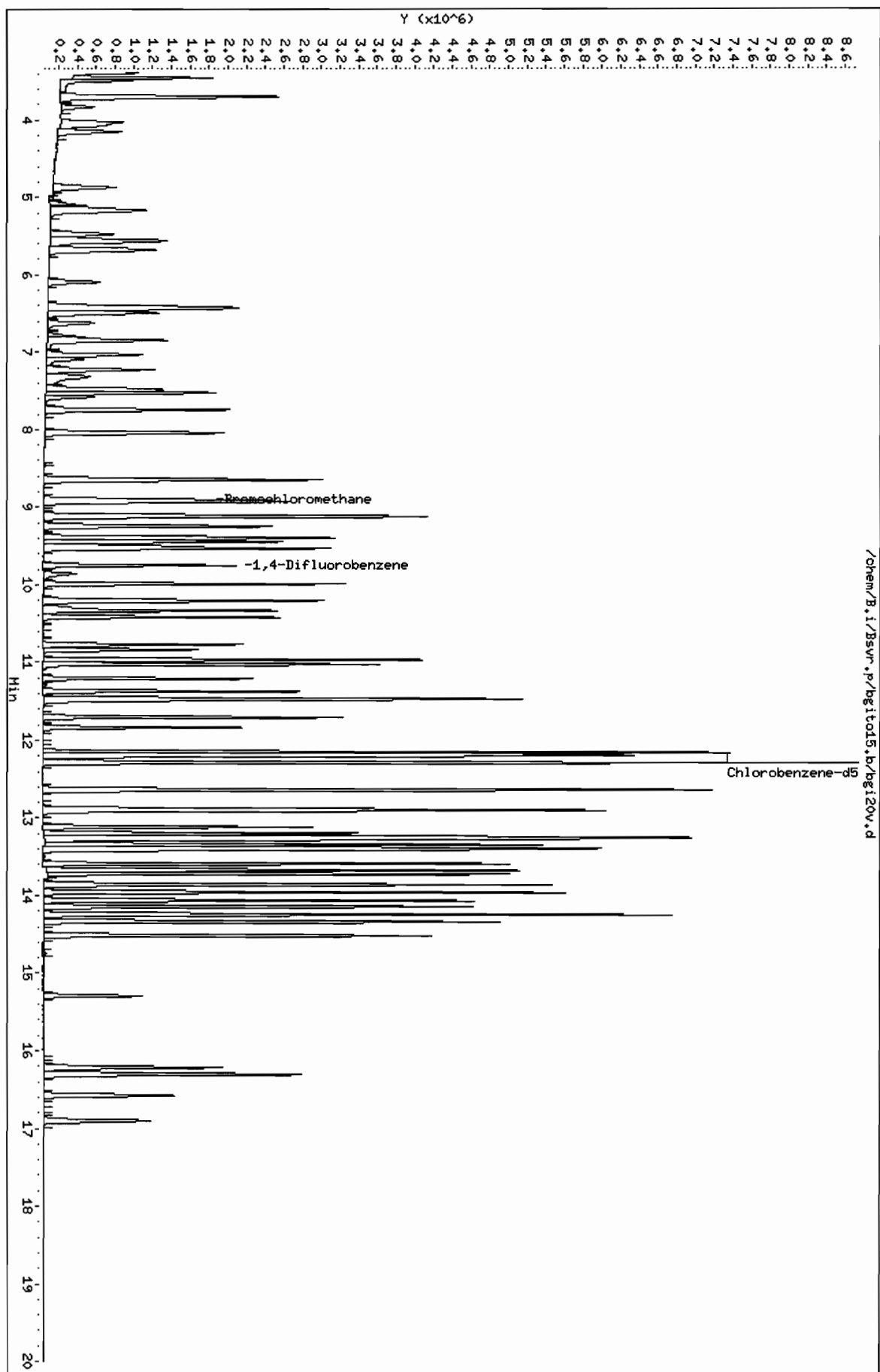
Cpnd Variable

Local Compound Variable

Compounds	QUANT SIG						AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppbv)	ON-COL (ppbv)	
12 Acetone	43	6.625	6.619	(0.744)	565811	15.0000	16	
13 Isopropyl Alcohol	45	6.795	6.790	(0.764)	518016	15.0000	16	
17 tert-Butyl Alcohol	59	7.319	7.313	(0.822)	738246	15.0000	16	
26 Tetrahydrofuran	42	8.920	8.914	(0.915)	479808	15.0000	15	
* 25 Bromochloromethane	128	8.898	8.893	(1.000)	352868	10.0000		
* 35 1,4-Difluorobenzene	114	9.752	9.747	(1.000)	1668545	10.0000		
39 1,4-Dioxane	88	10.291	10.291	(1.055)	216014	15.0000	16	
* 50 Chlorobenzene-d5	117	12.154	12.154	(1.000)	1705490	10.0000		

Data File: /chem/B.i/Bsvr.p/bg1015.b/bg120v.d
Date: 28-NOV-2007 15:22
Client ID: ASTD020
Sample Info:
Purge Volume: 200.0
Column phase: RTX-624

Instrument: B.i
Operator: wrd
Column diameter: 0.32



Data File: /chem/B.i/Bsvr.p/bgito15.b/bgi20v.d
Report Date: 30-Nov-2007 12:42

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AIR TOXICS QUANTITATION REPORT

Data file : /chem/B.i/Bsvr.p/bgito15.b/bgi20v.d
Lab Smp Id: ASTD020 Client Smp ID: ASTD020
Inj Date : 28-NOV-2007 15:22
Operator : wrd Inst ID: B.i
Smp Info :
Misc Info : ASTD020;112807BA;1;200
Comment :
Method : /chem/B.i/Bsvr.p/bgito15.b/rto15.m
Meth Date : 30-Nov-2007 12:42 sv Quant Type: ISTD
Cal Date : 28-NOV-2007 15:22 Cal File: bgi20v.d
Als bottle: 6 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

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

Cpnd Variable

Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
						CAL-AMT (ppbv)	ON-COL (ppbv)
1 Dichlorodifluoromethane	85	3.454	3.454	(0.388)	1630287	20.0000	18
168 Freon 22	51	3.492	3.492	(0.392)	797658	20.0000	17
2 1,2-Dichlorotetrafluoroethane	85	3.700	3.689	(0.416)	1914486	20.0000	17
3 Chloromethane	50	3.833	3.828	(0.431)	502751	20.0000	17
4 Vinyl Chloride	62	4.074	4.068	(0.458)	689853	20.0000	17
5 1,3-Butadiene	54	4.148	4.143	(0.466)	519153	20.0000	18
6 Bromomethane	94	4.869	4.863	(0.547)	780381	20.0000	18
7 Chloroethane	64	5.098	5.087	(0.573)	421680	20.0000	18
8 Bromoethene	106	5.477	5.472	(0.616)	835998	20.0000	18
9 Trichlorofluoromethane	101	5.563	5.557	(0.625)	2033000	20.0000	18
10 Freon TF	101	6.427	6.422	(0.722)	1543364	20.0000	19
11 1,1-Dichloroethene	96	6.497	6.491	(0.730)	758471	20.0000	19
12 Acetone	43	6.625	6.619	(0.744)	821679	20.0000	21
13 Isopropyl Alcohol	45	6.795	6.790	(0.764)	669977	20.0000	19
14 Carbon Disulfide	76	6.849	6.843	(0.770)	2315037	20.0000	19

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppbv)	ON-COL (ppbv)
=====	----	==	-----	-----	-----	-----	-----
15 3-Chloropropene	41	7.036	7.030	(0.791)	920005	20.0000	19
16 Methylene Chloride	49	7.228	7.222	(0.812)	766902	20.0000	18
17 tert-Butyl Alcohol	59	7.318	7.313	(0.822)	954075	20.0000	19
18 Methyl tert-Butyl Ether	73	7.484	7.478	(0.841)	1835658	20.0000	21
19 trans-1,2-Dichloroethene	61	7.527	7.521	(0.846)	1118380	20.0000	18
20 n-Hexane	57	7.745	7.740	(0.870)	1226943	20.0000	18
21 1,1-Dichloroethane	63	8.050	8.044	(0.905)	1353662	20.0000	18
M 22 1,2-Dichloroethene (total)	61				1997491	40.0000	37
23 Methyl Ethyl Ketone	72	8.642	8.637	(0.971)	331862	20.0000	21(Q)
24 cis-1,2-Dichloroethene	96	8.653	8.647	(0.972)	879111	20.0000	19
26 Tetrahydrofuran	42	8.914	8.914	(0.914)	692756	20.0000	20
* 25 Bromochloromethane	128	8.898	8.893	(1.000)	389544	10.0000	
27 Chloroform	83	8.930	8.930	(1.004)	1592451	20.0000	19
28 1,1,1-Trichloroethane	97	9.112	9.106	(0.934)	1705071	20.0000	18
29 Cyclohexane	84	9.122	9.122	(0.935)	1222109	20.0000	18
30 Carbon Tetrachloride	117	9.245	9.240	(0.948)	1789130	20.0000	18
31 2,2,4-Trimethylpentane	57	9.394	9.389	(0.963)	3688745	20.0000	18
32 Benzene	78	9.443	9.442	(0.968)	2469767	20.0000	19
34 n-Heptane	43	9.533	9.528	(0.978)	1337196	20.0000	18
33 1,2-Dichloroethane	62	9.496	9.496	(0.974)	958578	20.0000	18
* 35 1,4-Difluorobenzene	114	9.752	9.747	(1.000)	1818200	10.0000	
36 Trichloroethene	95	9.987	9.987	(1.024)	1102231	20.0000	18
37 Methyl Methacrylate	69	10.195	10.195	(1.045)	738385	20.0000	22
38 1,2-Dichloropropane	63	10.216	10.211	(1.048)	817023	20.0000	19
39 1,4-Dioxane	88	10.291	10.291	(1.055)	276158	20.0000	18
40 Bromodichloromethane	83	10.419	10.414	(1.068)	1745642	20.0000	19
41 cis-1,3-Dichloropropene	75	10.771	10.771	(1.105)	1307511	20.0000	20
42 Methyl Isobutyl Ketone	43	10.841	10.841	(1.112)	1192739	20.0000	19
43 Toluene	92	11.028	11.022	(0.907)	1696529	20.0000	19
44 trans-1,3-Dichloropropene	75	11.209	11.209	(1.149)	1292129	20.0000	20
45 1,1,2-Trichloroethane	83	11.369	11.369	(0.935)	806181	20.0000	19
46 Tetrachloroethene	166	11.465	11.465	(0.943)	1650338	20.0000	20
47 Methyl Butyl Ketone	43	11.492	11.486	(0.946)	1118066	20.0000	20
48 Dibromochloromethane	129	11.705	11.700	(0.963)	1870785	20.0000	21
49 1,2-Dibromoethane	107	11.839	11.833	(0.974)	1547389	20.0000	20
* 50 Chlorobenzene-d5	117	12.154	12.154	(1.000)	1870290	10.0000	
51 Chlorobenzene	112	12.180	12.180	(1.002)	2521173	20.0000	19
52 Ethylbenzene	91	12.196	12.196	(1.004)	3640515	20.0000	20
M 55 Xylene (total)	106				4535942	20.0000	63
53 Xylene (m,p)	106	12.287	12.282	(1.011)	3065472	40.0000	41
54 Xylene (o)	106	12.629	12.629	(1.039)	1470470	20.0000	20
56 Styrene	104	12.639	12.639	(1.040)	2351936	20.0000	23
57 Bromoform	173	12.885	12.879	(1.060)	1814916	20.0000	23
58 1,1,2,2-Tetrachloroethane	83	13.194	13.194	(1.086)	2032249	20.0000	19
59 4-Ethyltoluene	105	13.344	13.338	(1.098)	4246423	20.0000	21
60 1,3,5-Trimethylbenzene	105	13.381	13.381	(1.101)	3342207	20.0000	21
61 2-Chlorotoluene	91	13.408	13.402	(1.103)	3225125	20.0000	19

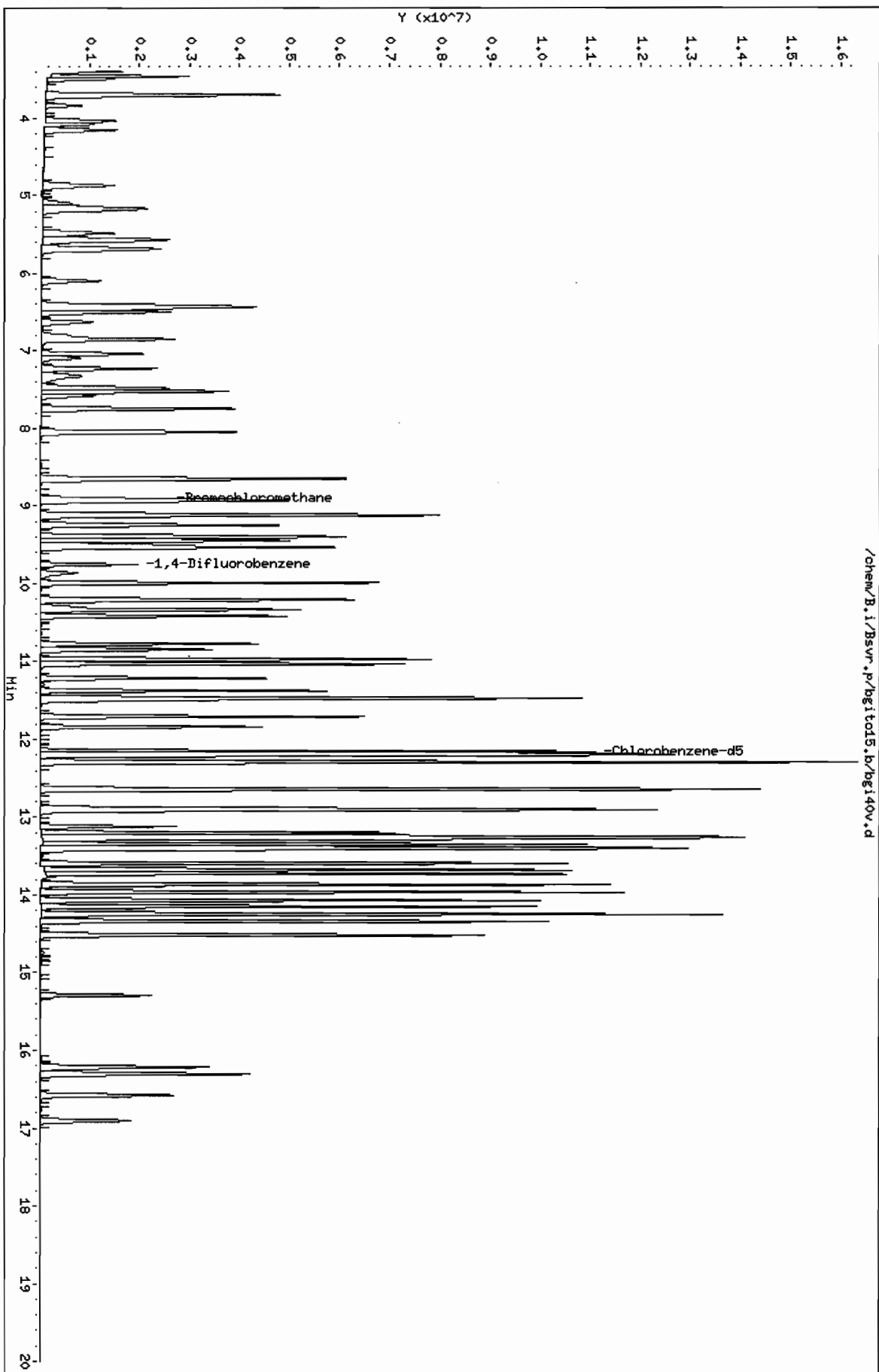
Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT	ON-COL
						(ppbv)	(ppbv)
=====	====	==	=====	=====	=====	=====	=====
62 1,2,4-Trimethylbenzene	105	13.723	13.717	(1.129)	3227684	20.0000	21
63 1,3-Dichlorobenzene	146	14.064	14.064	(1.157)	2316077	20.0000	21
64 1,4-Dichlorobenzene	146	14.144	14.144	(1.164)	2294383	20.0000	21
65 1,2-Dichlorobenzene	146	14.513	14.512	(1.194)	2140916	20.0000	21
66 1,2,4-Trichlorobenzene	180	16.215	16.215	(1.334)	863121	20.0000	21
67 Hexachlorobutadiene	225	16.306	16.306	(1.342)	766000	20.0000	24
68 Naphthalene	128	16.578	16.578	(1.364)	1732054	20.0000	19

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: /chem/B.i/Bsyr.p/bg1015.b/bg140v.d
Date: 28-NOV-2007 16:11
Client ID: ASTD040
Sample Info:
Purge Volume: 200.0
Column phase: RTX-624

Instrument: B.i
Operator: urd
Column diameter: 0.32



Data File: /chem/B.i/Bsvr.p/bgito15.b/bgi40v.d
 Report Date: 30-Nov-2007 12:42

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TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/B.i/Bsvr.p/bgito15.b/bgi40v.d
 Lab Smp Id: ASTD040 Client Smp ID: ASTD040
 Inj Date : 28-NOV-2007 16:11
 Operator : wrd Inst ID: B.i
 Smp Info :
 Misc Info : ASTD040;112807BA;1;200
 Comment :
 Method : /chem/B.i/Bsvr.p/bgito15.b/rto15.m
 Meth Date : 30-Nov-2007 12:42 sv Quant Type: ISTD
 Cal Date : 28-NOV-2007 16:11 Cal File: bgi40v.d
 Als bottle: 7 Calibration Sample, Level: 8
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: 3.50
 Processing Host: chemsvr6

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

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

Cpnd Variable

Local Compound Variable

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
						CAL-AMT (ppbv)	ON-COL (ppbv)
1 Dichlorodifluoromethane	85	3.460	3.454	(0.389)	3190912	40.0000	33
168 Freon 22	51	3.497	3.492	(0.393)	1588215	40.0000	33
2 1,2-Dichlorotetrafluoroethane	85	3.700	3.689	(0.416)	3692685	40.0000	32
3 Chloromethane	50	3.839	3.828	(0.431)	1004948	40.0000	33
4 Vinyl Chloride	62	4.079	4.068	(0.458)	1382237	40.0000	34
5 1,3-Butadiene	54	4.154	4.143	(0.466)	1044129	40.0000	35
6 Bromomethane	94	4.874	4.863	(0.547)	1589186	40.0000	35
7 Chloroethane	64	5.098	5.087	(0.573)	849502	40.0000	36
8 Bromoethene	106	5.482	5.472	(0.616)	1710918	40.0000	37
9 Trichlorofluoromethane	101	5.568	5.557	(0.625)	4085926	40.0000	35
10 Freon TF	101	6.432	6.422	(0.722)	3170996	40.0000	37
11 1,1-Dichloroethene	96	6.496	6.491	(0.730)	1555965	40.0000	37
12 Acetone	43	6.630	6.619	(0.745)	1736448	40.0000	42 (A)
13 Isopropyl Alcohol	45	6.806	6.790	(0.764)	1425782	40.0000	38
14 Carbon Disulfide	76	6.854	6.843	(0.770)	4687965	40.0000	36

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppbv)	ON- COL (ppbv)
=====	----	==	=====	=====	=====	=====	=====
15 3-Chloropropene	41	7.041	7.030	(0.791)	1895762	40.0000	37
16 Methylene Chloride	49	7.233	7.222	(0.812)	1528695	40.0000	34
17 tert-Butyl Alcohol	59	7.329	7.313	(0.823)	2019772	40.0000	38
18 Methyl tert-Butyl Ether	73	7.484	7.478	(0.841)	3960888	40.0000	43 (A)
19 trans-1,2-Dichloroethene	61	7.532	7.521	(0.846)	2263982	40.0000	36
20 n-Hexane	57	7.751	7.740	(0.871)	2453392	40.0000	36
21 1,1-Dichloroethane	63	8.049	8.044	(0.904)	2733634	40.0000	36
M 22 1,2-Dichloroethene (total)	61				4077519	80.0000	73
23 Methyl Ethyl Ketone	72	8.647	8.637	(0.971)	720092	40.0000	44 (AQ)
24 cis-1,2-Dichloroethene	96	8.658	8.647	(0.972)	1813537	40.0000	38
26 Tetrahydrofuran	42	8.919	8.914	(0.914)	1445065	40.0000	44 (A)
* 25 Bromochloromethane	128	8.903	8.893	(1.000)	401522	10.0000	(Q)
27 Chloroform	83	8.935	8.930	(1.004)	3230363	40.0000	37
28 1,1,1-Trichloroethane	97	9.117	9.106	(0.934)	3412138	40.0000	38
29 Cyclohexane	84	9.128	9.122	(0.935)	2468960	40.0000	38
30 Carbon Tetrachloride	117	9.250	9.240	(0.948)	3615309	40.0000	38
31 2,2,4-Trimethylpentane	57	9.400	9.389	(0.963)	7451673	40.0000	38
32 Benzene	78	9.448	9.442	(0.968)	4928088	40.0000	39
34 n-Heptane	43	9.538	9.528	(0.978)	2626611	40.0000	36
33 1,2-Dichloroethane	62	9.501	9.496	(0.974)	1903710	40.0000	38
* 35 1,4-Difluorobenzene	114	9.757	9.747	(1.000)	1747710	10.0000	
36 Trichloroethene	95	9.992	9.987	(1.024)	2259455	40.0000	39
37 Methyl Methacrylate	69	10.200	10.195	(1.045)	1633454	40.0000	50 (A)
38 1,2-Dichloropropane	63	10.216	10.211	(1.047)	1670258	40.0000	41 (A)
39 1,4-Dioxane	88	10.296	10.291	(1.055)	585291	40.0000	40 (A)
40 Bromodichloromethane	83	10.419	10.414	(1.068)	3560551	40.0000	41 (A)
41 cis-1,3-Dichloropropene	75	10.777	10.771	(1.104)	2730267	40.0000	42 (A)
42 Methyl Isobutyl Ketone	43	10.846	10.841	(1.112)	2590445	40.0000	43 (A)
43 Toluene	92	11.033	11.022	(0.907)	3622673	40.0000	39
44 trans-1,3-Dichloropropene	75	11.214	11.209	(1.149)	2752286	40.0000	44 (A)
45 1,1,2-Trichloroethane	83	11.374	11.369	(0.935)	1705306	40.0000	38
46 Tetrachloroethene	166	11.470	11.465	(0.943)	3686385	40.0000	43 (A)
47 Methyl Butyl Ketone	43	11.497	11.486	(0.946)	2362032	40.0000	40 (A)
48 Dibromochloromethane	129	11.705	11.700	(0.963)	3921929	40.0000	43 (A)
49 1,2-Dibromoethane	107	11.839	11.833	(0.974)	3291872	40.0000	41 (A)
* 50 Chlorobenzene-d5	117	12.159	12.154	(1.000)	1933610	10.0000	
51 Chlorobenzene	112	12.186	12.180	(1.002)	5437817	40.0000	40 (A)
52 Ethylbenzene	91	12.202	12.196	(1.004)	7713785	40.0000	40 (A)
M 55 Xylene (total)	106				9758965	40.0000	130 (A)
53 Xylene (m,p)	106	12.287	12.282	(1.011)	6543377	80.0000	84 (A)
54 Xylene (o)	106	12.634	12.629	(1.039)	3215588	40.0000	43 (A)
56 Styrene	104	12.645	12.639	(1.040)	5238626	40.0000	50 (A)
57 Bromoform	173	12.885	12.879	(1.060)	4191585	40.0000	52 (A)
58 1,1,2,2-Tetrachloroethane	83	13.200	13.194	(1.086)	4344698	40.0000	40 (A)
59 4-Ethyltoluene	105	13.349	13.338	(1.098)	9333777	40.0000	45 (A)
60 1,3,5-Trimethylbenzene	105	13.386	13.381	(1.101)	7326201	40.0000	44 (A)
61 2-Chlorotoluene	91	13.413	13.402	(1.103)	6836124	40.0000	39

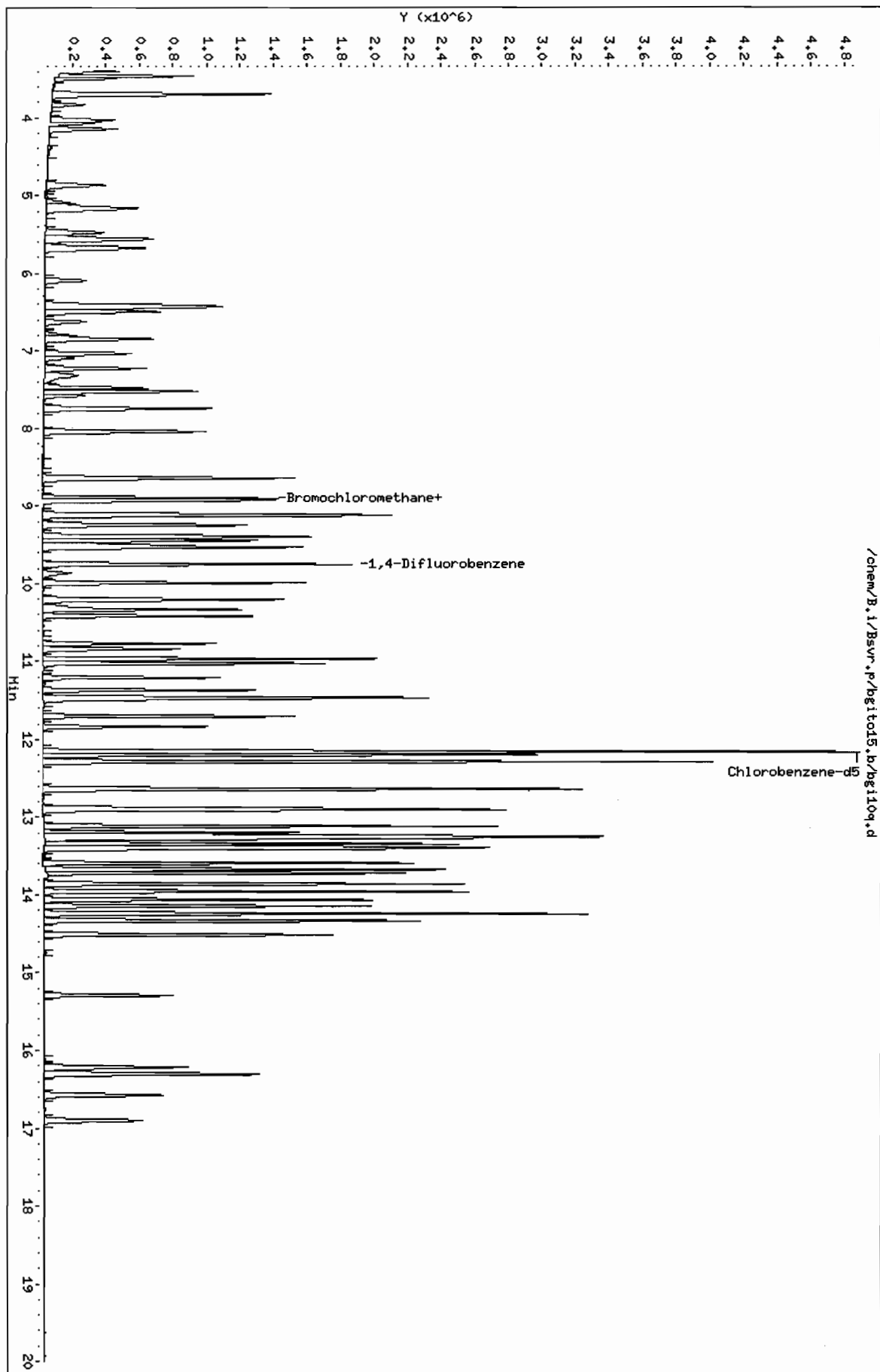
Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppbv)	ON-COL (ppbv)
=====	====	==	=====	=====	=====	=====	=====
62 1,2,4-Trimethylbenzene	105	13.728	13.717	(1.129)	7140864	40.0000	45 (A)
63 1,3-Dichlorobenzene	146	14.069	14.064	(1.157)	5325028	40.0000	47 (A)
64 1,4-Dichlorobenzene	146	14.150	14.144	(1.164)	5300951	40.0000	47 (A)
65 1,2-Dichlorobenzene	146	14.518	14.512	(1.194)	4856495	40.0000	47 (A)
66 1,2,4-Trichlorobenzene	180	16.220	16.215	(1.334)	1534684	40.0000	36
67 Hexachlorobutadiene	225	16.306	16.306	(1.341)	1174409	40.0000	35
68 Naphthalene	128	16.578	16.578	(1.363)	3239989	40.0000	34

QC Flag Legend

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

Data File: /chem/B.i/Bsyr.p/bg10d5.b/bg10q.d
Date: 29-NOV-2007 10:15
Client ID: B012807LCS
Sample Info: B012807LCS/ICV
Purge Volume: 200.0
Column phase: RTX-624

Instrument: B.i
Operator: wrd
Column diameter: 0.32



Data File: /chem/B.i/Bsvr.p/bgito15.b/bgi10q.d
 Report Date: 30-Nov-2007 12:42

Page 1

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/B.i/Bsvr.p/bgito15.b/bgi10q.d
 Lab Smp Id: BA112807LCS Client Smp ID: BA112807LCS
 Inj Date : 29-NOV-2007 10:15
 Operator : wrd Inst ID: B.i
 Smp Info : BA112807LCS/ICV
 Misc Info : icv;112807BA;1;200
 Comment :
 Method : /chem/B.i/Bsvr.p/bgito15.b/rto15.m
 Meth Date : 30-Nov-2007 12:42 sv Quant Type: ISTD
 Cal Date : 29-NOV-2007 09:21 Cal File: bgi05v2.d
 Als bottle: 4 QC Sample: LCS
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: 3.50
 Processing Host: chemsvr6

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

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

Cpnd Variable

Local Compound Variable

Compounds	QUANT SIG	CONCENTRATIONS					
		RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ppbv)	FINAL (ppbv)
1 Dichlorodifluoromethane	85	3.455	3.454	(0.388)	862908	10.6649	11
168 Freon 22	51	3.492	3.492	(0.392)	427714	10.4630	10
2 1,2-Dichlorotetrafluoroethane	85	3.695	3.689	(0.415)	1002407	10.4557	10
3 Chloromethane	50	3.833	3.828	(0.431)	267693	10.4193	10
4 Vinyl Chloride	62	4.068	4.068	(0.457)	358461	10.3289	10
5 1,3-Butadiene	54	4.148	4.143	(0.466)	279187	11.1038	11
6 Bromomethane	94	4.869	4.863	(0.547)	378265	9.87422	9.9
7 Chloroethane	64	5.093	5.087	(0.572)	207235	10.3541	10
8 Bromoethene	106	5.472	5.472	(0.615)	403532	10.2100	10
9 Trichlorofluoromethane	101	5.563	5.557	(0.625)	997783	10.2461	10
10 Freon TF	101	6.427	6.422	(0.722)	793690	11.0678	11
11 1,1-Dichloroethene	96	6.491	6.491	(0.730)	395863	11.2512	11
12 Acetone	43	6.625	6.619	(0.744)	402032	11.6052	12
13 Isopropyl Alcohol	45	6.795	6.790	(0.764)	324277	10.3676	10
14 Carbon Disulfide	76	6.849	6.843	(0.770)	1135270	10.4592	10

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ppbv)	FINAL (ppbv)
=====	=====	==	=====	=====	=====	=====	=====
15 3-Chloropropene	41	7.030	7.030	(0.790)	479158	11.1254	11
16 Methylene Chloride	49	7.228	7.222	(0.812)	414899	10.9610	11
17 tert-Butyl Alcohol	59	7.318	7.313	(0.822)	444354	10.0004	10
18 Methyl tert-Butyl Ether	73	7.484	7.478	(0.841)	870033	11.2394	11
19 trans-1,2-Dichloroethene	61	7.527	7.521	(0.846)	556377	10.3491	10
20 n-Hexane	57	7.745	7.740	(0.870)	616595	10.6294	11
21 1,1-Dichloroethane	63	8.044	8.044	(0.904)	687988	10.7580	11
M 22 1,2-Dichloroethene (total)	61				999891	21.3230	21
23 Methyl Ethyl Ketone	72	8.637	8.637	(0.971)	157655	11.3533	11
24 cis-1,2-Dichloroethene	96	8.653	8.647	(0.972)	443514	10.9739	11
26 Tetrahydrofuran	42	8.914	8.914	(0.914)	345600	11.3711	11
* 25 Bromochloromethane	128	8.898	8.893	(1.000)	338561	10.0000	
27 Chloroform	83	8.930	8.930	(1.004)	809346	10.8463	11
28 1,1,1-Trichloroethane	97	9.106	9.106	(0.934)	855384	10.3310	10
29 Cyclohexane	84	9.122	9.122	(0.935)	594334	10.0816	10
30 Carbon Tetrachloride	117	9.245	9.240	(0.948)	878670	10.1674	10
31 2,2,4-Trimethylpentane	57	9.395	9.389	(0.963)	1891354	10.4862	10
32 Benzene	78	9.443	9.442	(0.968)	1214506	10.4584	10
34 n-Heptane	43	9.533	9.528	(0.978)	697330	10.5253	11
33 1,2-Dichloroethane	62	9.496	9.496	(0.974)	485099	10.5358	11
* 35 1,4-Difluorobenzene	114	9.752	9.747	(1.000)	1604845	10.0000	
36 Trichloroethene	95	9.987	9.987	(1.024)	542539	10.2563	10
37 Methyl Methacrylate	69	10.195	10.195	(1.045)	330541	11.0790	11
38 1,2-Dichloropropane	63	10.211	10.211	(1.047)	394358	10.4371	10
39 1,4-Dioxane	88	10.291	10.291	(1.055)	126346	9.43272	9.4
40 Bromodichloromethane	83	10.419	10.414	(1.068)	870294	10.8993	11
41 cis-1,3-Dichloropropene	75	10.771	10.771	(1.105)	607354	10.2954	10
42 Methyl Isobutyl Ketone	43	10.841	10.841	(1.112)	581943	10.5291	11
43 Toluene	92	11.028	11.022	(0.907)	785341	9.95816	10
44 trans-1,3-Dichloropropene	75	11.209	11.209	(1.149)	594848	10.3895	10
45 1,1,2-Trichloroethane	83	11.369	11.369	(0.935)	365810	9.72207	9.7
46 Tetrachloroethene	166	11.465	11.465	(0.943)	686039	9.45248	9.5
47 Methyl Butyl Ketone	43	11.492	11.486	(0.946)	541642	10.9258	11
48 Dibromochloromethane	129	11.700	11.700	(0.963)	859046	11.1412	11
49 1,2-Dibromoethane	107	11.833	11.833	(0.974)	706373	10.4232	10
* 50 Chlorobenzene-d5	117	12.154	12.154	(1.000)	1624673	10.0000	
51 Chlorobenzene	112	12.180	12.180	(1.002)	1104543	9.75226	9.8
52 Ethylbenzene	91	12.196	12.196	(1.004)	1653576	10.2236	10
M 55 Xylene (total)	106				1971798	31.3098	31
53 Xylene (m,p)	106	12.287	12.282	(1.011)	1336466	20.4946	20
54 Xylene (o)	106	12.629	12.629	(1.039)	635332	10.0883	10
56 Styrene	104	12.639	12.639	(1.040)	1003966	11.3441	11
57 Bromoform	173	12.880	12.879	(1.060)	769731	11.3822	11
58 1,1,2,2-Tetrachloroethane	83	13.194	13.194	(1.086)	906660	10.0086	10
59 4-Ethyltoluene	105	13.338	13.338	(1.097)	1967679	11.2112	11
60 1,3,5-Trimethylbenzene	105	13.381	13.381	(1.101)	1452245	10.3002	10
61 2-Chlorotoluene	91	13.408	13.402	(1.103)	1531614	10.5189	11

Compounds	QUANT SIG					CONCENTRATIONS	
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ppbv)	FINAL (ppbv)
=====	====	==	=====	=====	=====	=====	=====
62 1,2,4-Trimethylbenzene	105	13.723	13.717	(1.129)	1406734	10.6258	11
63 1,3-Dichlorobenzene	146	14.064	14.064	(1.157)	946052	9.92754	9.9
64 1,4-Dichlorobenzene	146	14.144	14.144	(1.164)	940398	9.95972	10
65 1,2-Dichlorobenzene	146	14.513	14.512	(1.194)	855647	9.81416	9.8
66 1,2,4-Trichlorobenzene	180	16.215	16.215	(1.334)	375053	10.5153	11
67 Hexachlorobutadiene	225	16.306	16.306	(1.342)	336023	11.8998	12
68 Naphthalene	128	16.578	16.578	(1.364)	863421	10.8465	11

TestAmerica Burlington

RECOVERY REPORT

Client Name: Client SDG: bgito15
Sample Matrix: GAS Fraction: VOA
Lab Smp Id: BA112807LCS Client Smp ID: BA112807LCS
Level: LOW Operator: wrd
Data Type: MS DATA SampleType: LCS
SpikeList File: all.spk Quant Type: ISTD
Sublist File: all.sub
Method File: /chem/B.i/Bsvr.p/bgito15.b/rto15.m
Misc Info: icv;112807BA;1;200

SPIKE COMPOUND	CONC ADDED ppbv	CONC RECOVERED ppbv	% RECOVERED	LIMITS
1 Dichlorodifluorome	10	11	106.65	70-130
168 Freon 22	10	10	104.63	70-130
2 1,2-Dichlorotetra	10	10	104.56	70-130
3 Chloromethane	10	10	104.19	70-130
4 Vinyl Chloride	10	10	103.29	70-130
5 1,3-Butadiene	10	11	111.04	70-130
6 Bromomethane	10	9.9	98.74	70-130
7 Chloroethane	10	10	103.54	70-130
8 Bromoethene	10	10	102.10	70-130
9 Trichlorofluoromet	10	10	102.46	70-130
10 Freon TF	10	11	110.68	70-130
11 1,1-Dichloroethene	10	11	112.51	70-130
12 Acetone	10	12	116.05	70-130
14 Carbon Disulfide	10	10	104.59	70-130
13 Isopropyl Alcohol	10	10	103.68	70-130
15 3-Chloropropene	10	11	111.25	70-130
16 Methylene Chloride	10	11	109.61	70-130
17 tert-Butyl Alcohol	10	10	100.00	70-130
18 Methyl tert-Butyl	10	11	112.39	70-130
19 trans-1,2-Dichloro	10	10	103.49	70-130
20 n-Hexane	10	11	106.29	70-130
21 1,1-Dichloroethane	10	11	107.58	70-130
M 22 1,2-Dichloroethene	20	21	105.00	70-130
23 Methyl Ethyl Keton	10	11	113.53	70-130
24 cis-1,2-Dichloroet	10	11	109.74	70-130
26 Tetrahydrofuran	10	11	113.71	70-130
27 Chloroform	10	11	108.46	70-130
28 1,1,1-Trichloroeth	10	10	103.31	70-130
29 Cyclohexane	10	10	100.82	70-130
30 Carbon Tetrachlori	10	10	101.67	70-130
31 2,2,4-Trimethylpen	10	10	104.86	70-130
32 Benzene	10	10	104.58	70-130
33 1,2-Dichloroethane	10	11	105.36	70-130

SPIKE COMPOUND	CONC ADDED ppbv	CONC RECOVERED ppbv	% RECOVERED	LIMITS
34 n-Heptane	10	11	105.25	70-130
36 Trichloroethene	10	10	102.56	70-130
37 Methyl Methacrylat	10	11	110.79	70-130
38 1,2-Dichloropropan	10	10	104.37	70-130
39 1,4-Dioxane	10	9.4	94.33	70-130
40 Bromodichlorometha	10	11	108.99	70-130
41 cis-1,3-Dichloropr	10	10	102.95	70-130
42 Methyl Isobutyl Ke	10	11	105.29	70-130
43 Toluene	10	10	99.58	70-130
44 trans-1,3-Dichloro	10	10	103.89	70-130
45 1,1,2-Trichloroeth	10	9.7	97.22	70-130
46 Tetrachloroethene	10	9.5	94.52	70-130
47 Methyl Butyl Keton	10	11	109.26	70-130
48 Dibromochlorometha	10	11	111.41	70-130
49 1,2-Dibromoethane	10	10	104.23	70-130
51 Chlorobenzene	10	9.8	97.52	70-130
52 Ethylbenzene	10	10	102.24	70-130
53 Xylene (m,p)	20	20	102.47	70-130
54 Xylene (o)	10	10	100.88	70-130
M 55 Xylene (total)	30	31	104.37	70-130
56 Styrene	10	11	113.44	70-130
57 Bromoform	10	11	113.82	70-130
58 1,1,2,2-Tetrachlor	10	10	100.09	70-130
59 4-Ethyltoluene	10	11	112.11	70-130
60 1,3,5-Trimethylben	10	10	103.00	70-130
61 2-Chlorotoluene	10	11	105.19	70-130
62 1,2,4-Trimethylben	10	11	106.26	70-130
63 1,3-Dichlorobenzen	10	9.9	99.28	70-130
64 1,4-Dichlorobenzen	10	10	99.60	70-130
65 1,2-Dichlorobenzen	10	9.8	98.14	70-130
66 1,2,4-Trichloroben	10	11	105.15	70-130
67 Hexachlorobutadien	10	12	119.00	70-130
68 Naphthalene	10	11	108.46	70-130

TestAmerica Burlington

INITIAL CALIBRATION DATA

Start Cal Date : 28-NOV-2007 13:45
 End Cal Date : 29-NOV-2007 09:21
 Quant Method : ISTD
 Origin : Disabled
 Target Version : 3.50
 Integrator : HP RTE
 Method file : /chem/B.i/Bsvr.p/bgito15.b/rto15.m
 Cal Date : 30-Nov-2007 12:42 sv
 Curve Type : Average

Calibration File Names:

Level 1: /chem/B.i/Bsvr.p/bgito15.b/bgi002v2.d
 Level 2: /chem/B.i/Bsvr.p/bgito15.b/bgi005v2.d
 Level 4: /chem/B.i/Bsvr.p/bgito15.b/bgi05v2.d
 Level 5: /chem/B.i/Bsvr.p/bgito15.b/bgi10v.d
 Level 6: /chem/B.i/Bsvr.p/bgito15.b/bgi15v.d
 Level 7: /chem/B.i/Bsvr.p/bgito15.b/bgi20v.d
 Level 8: /chem/B.i/Bsvr.p/bgito15.b/bgi40v.d

Compound	0.20000 Level 1	0.50000 Level 2	5.000 Level 4	10.000 Level 5	15.000 Level 6	20.000 Level 7	RRF	% RSD
	40.000 Level 8							
1 Dichlorodifluoromethane	+++++ 1.98676	2.54347	2.64546	2.68105	+++++ 2.09256		2.38986	13.633
168 Freon 22	+++++ 0.98887	1.34640	1.33429	1.34375	+++++ 1.02384		1.20743	15.241
2 1,2-Dichlorotetrafluoroethane	3.08270 2.29918	2.93710	3.11833	3.09588	+++++ 2.45734		2.83175	12.730
3 Chloromethane	+++++ 0.62571	0.85562	0.83463	0.83305	+++++ 0.64531		0.75886	14.913
4 Vinyl Chloride	1.11328 0.86062	1.04054	1.13506	1.11539	+++++ 0.88546		1.02506	11.933
5 1,3-Butadiene	+++++ 0.65011	0.72045	0.84034	0.83601	+++++ 0.66636		0.74265	12.256

TestAmerica Burlington

INITIAL CALIBRATION DATA

Start Cal Date : 28-NOV-2007 13:45
 End Cal Date : 29-NOV-2007 09:21
 Quant Method : ISTD
 Origin : Disabled
 Target Version : 3.50
 Integrator : HP RTE
 Method file : /chem/B.i/Bsvr.p/bgito15.b/rto15.m
 Cal Date : 30-Nov-2007 12:42 sv
 Curve Type : Average

Compound	0.20000 Level 1	0.50000 Level 2	5.000 Level 4	10.000 Level 5	15.000 Level 6	20.000 Level 7	RRF	% RSD
	40.000 Level 8							
6 Bromomethane	1.25010 0.98948	1.15359	1.19309	1.20112	+++++	1.00166	1.13151	9.699
7 Chloroethane	+++++ 0.52893	0.60550	0.63446	0.64572	+++++	0.54125	0.59117	9.039
8 Bromoethene	1.25377 1.06527	1.14380	1.22980	1.23862	+++++	1.07305	1.16739	7.301
9 Trichlorofluoromethane	3.05574 2.54402	2.89126	3.04541	3.11218	+++++	2.60946	2.87635	8.491
10 Freon TF	2.22738 1.97436	2.07331	2.17862	2.27417	+++++	1.98099	2.11814	6.025
11 1,1-Dichloroethene	1.09069 0.96879	1.02413	1.06920	1.10901	+++++	0.97354	1.03923	5.761
12 Acetone	+++++ 1.08117	+++++	0.74853	1.16277	1.06898	1.05467	1.02322	15.558
13 Isopropyl Alcohol	+++++ 0.88774	+++++	0.75087	1.14203	0.97868	0.85995	0.92385	15.864
14 Carbon Disulfide	+++++ 2.91887	3.25656	3.38595	3.49721	+++++	2.97147	3.20601	7.909

TestAmerica Burlington

INITIAL CALIBRATION DATA

Start Cal Date : 28-NOV-2007 13:45
 End Cal Date : 29-NOV-2007 09:21
 Quant Method : ISTD
 Origin : Disabled
 Target Version : 3.50
 Integrator : HP RTE
 Method file : /chem/B.i/Bsvr.p/bgito15.b/rto15.m
 Cal Date : 30-Nov-2007 12:42 sv
 Curve Type : Average

Compound	0.20000 Level 1	0.50000 Level 2	5.000 Level 4	10.000 Level 5	15.000 Level 6	20.000 Level 7	RRF	% RSD
	40.000 Level 8							
15 3-Chloropropene	++++ 1.18036	1.29106	1.33810	1.37018	++++ 1.18087		1.27212	6.929
16 Methylene Chloride	++++ 0.95181	1.31830	1.15175	1.18397	++++ 0.98436		1.11804	13.497
17 tert-Butyl Alcohol	++++ 1.25757	++++	1.05209	1.63309	1.39475	1.22460	1.31242	16.523
18 Methyl tert-Butyl Ether	++++ 2.46617	2.49441	1.60271	2.51265	++++ 2.35616		2.28642	16.926
19 trans-1,2-Dichloroethene	1.64093 1.40963	1.65687	1.65597	1.72861	++++ 1.43550		1.58792	8.308
20 n-Hexane	++++ 1.52756	1.79307	1.80334	1.86805	++++ 1.57485		1.71337	8.856
21 1,1-Dichloroethane	2.09738 1.70204	1.95329	1.86696	1.97633	++++ 1.73750		1.88892	7.979
M 22 1,2-Dichloroethene (total)	1.46947 1.26939	1.41508	1.42115	1.48794	++++ 1.28194		1.39083	6.724
23 Methyl Ethyl Ketone	++++ 0.44835	0.42502	0.28578	0.46568	++++ 0.42596		0.41016	17.447

TestAmerica Burlington

INITIAL CALIBRATION DATA

Start Cal Date : 28-NOV-2007 13:45
 End Cal Date : 29-NOV-2007 09:21
 Quant Method : ISTD
 Origin : Disabled
 Target Version : 3.50
 Integrator : HP RTE
 Method file : /chem/B.i/Bsvr.p/bgito15.b/rto15.m
 Cal Date : 30-Nov-2007 12:42 sv
 Curve Type : Average

Compound	0.20000 Level 1	0.50000 Level 2	5.000 Level 4	10.000 Level 5	15.000 Level 6	20.000 Level 7	RRF	% RSD
	40.000 Level 8							
24 cis-1,2-Dichloroethene	1.29801 1.12916	1.17329	1.18633	1.24726	+++++	1.12838	1.19374	5.638
26 Tetrahydrofuran	+++++ 0.20671	+++++	0.13557	0.22242	0.19171	0.19051	0.18938	17.301
27 Chloroform	2.46779 2.01132	2.32164	2.08502	2.29439	+++++	2.04399	2.20403	8.329
28 1,1,1-Trichloroethane	0.54205 0.48809	0.51742	0.51686	0.56222	+++++	0.46889	0.51592	6.611
29 Cyclohexane	0.38053 0.35317	0.35229	0.37493	0.40704	+++++	0.33608	0.36734	6.900
30 Carbon Tetrachloride	0.54543 0.51715	0.52263	0.55563	0.59812	+++++	0.49201	0.53850	6.831
31 2,2,4-Trimethylpentane	1.22549 1.06592	1.17089	1.05210	1.21453	+++++	1.01439	1.12389	8.082
32 Benzene	0.82064 0.70494	0.74892	0.63282	0.75515	+++++	0.67918	0.72361	9.087
34 n-Heptane	0.46007 0.37572	0.44088	0.38366	0.44893	+++++	0.36773	0.41283	10.037

TestAmerica Burlington

INITIAL CALIBRATION DATA

Start Cal Date : 28-NOV-2007 13:45
 End Cal Date : 29-NOV-2007 09:21
 Quant Method : ISTD
 Origin : Disabled
 Target Version : 3.50
 Integrator : HP RTE
 Method file : /chem/B.i/Bsvr.p/bgito15.b/rto15.m
 Cal Date : 30-Nov-2007 12:42 sv
 Curve Type : Average

Compound	0.20000 Level 1	0.50000 Level 2	5.000 Level 4	10.000 Level 5	15.000 Level 6	20.000 Level 7	RRF	% RSD
	40.000 Level 8							
33 1,2-Dichloroethane	0.31975 0.27231	0.30415	0.25556	0.30601	+++++	0.26361	0.28690	9.195
36 Trichloroethene	0.35883 0.32320	0.33179	0.30939	0.35137	+++++	0.30311	0.32962	6.762
37 Methyl Methacrylate	+++++ 0.23366	0.15667	0.11635	0.21979	+++++	0.20305	0.18591	26.097
38 1,2-Dichloropropane	0.26115 0.23892	0.25410	0.18423	0.24955	+++++	0.22468	0.23544	11.952
39 1,4-Dioxane	+++++ 0.08372	+++++	0.06405	0.10729	0.08631	0.07594	0.08346	19.036
40 Bromodichloromethane	0.50858 0.50932	0.48500	0.44584	0.55651	+++++	0.48005	0.49755	7.452
41 cis-1,3-Dichloropropene	0.39693 0.39055	0.37715	0.28477	0.39659	+++++	0.35956	0.36759	11.697
42 Methyl Isobutyl Ketone	+++++ 0.37055	0.33199	0.23826	0.45317	+++++	0.32800	0.34439	22.587
43 Toluene	0.59686 0.46838	0.53384	0.37145	0.48841	+++++	0.45355	0.48541	15.707

TestAmerica Burlington

INITIAL CALIBRATION DATA

Start Cal Date : 28-NOV-2007 13:45
 End Cal Date : 29-NOV-2007 09:21
 Quant Method : ISTD
 Origin : Disabled
 Target Version : 3.50
 Integrator : HP RTE
 Method file : /chem/B.i/Bsvr.p/bgito15.b/rto15.m
 Cal Date : 30-Nov-2007 12:42 sv
 Curve Type : Average

Compound	0.20000 Level 1	0.50000 Level 2	5.000 Level 4	10.000 Level 5	15.000 Level 6	20.000 Level 7	RRF	% RSD
	40.000 Level 8							
44 trans-1,3-Dichloropropene	0.37850 0.39370	0.36377	0.25735	0.39192	+++++	0.35533	0.35676	14.296
45 1,1,2-Trichloroethane	0.27451 0.22048	0.25344	0.18447	0.24115	+++++	0.21552	0.23160	13.671
46 Tetrachloroethene	0.49209 0.47662	0.42627	0.39549	0.44866	+++++	0.44120	0.44672	7.774
47 Methyl Butyl Ketone	+++++ 0.30539	0.30216	0.21289	0.40635	+++++	0.29890	0.30514	22.468
48 Dibromochloromethane	0.45247 0.50707	0.43664	0.42109	0.53013	+++++	0.50013	0.47459	9.225
49 1,2-Dibromoethane	0.45578 0.42561	0.42811	0.33077	0.44881	+++++	0.41368	0.41713	10.806
51 Chlorobenzene	0.82623 0.70307	0.74238	0.53515	0.70193	+++++	0.67401	0.69713	13.691
52 Ethylbenzene	1.19536 0.99733	1.06772	0.70558	1.03393	+++++	0.97325	0.99553	16.271
M 55 Xylene (total)	0.44868 0.41575	0.40445	0.26247	0.40131	+++++	0.39311	0.38763	16.592

TestAmerica Burlington

INITIAL CALIBRATION DATA

Start Cal Date : 28-NOV-2007 13:45
 End Cal Date : 29-NOV-2007 09:21
 Quant Method : ISTD
 Origin : Disabled
 Target Version : 3.50
 Integrator : HP RTE
 Method file : /chem/B.i/Bsvr.p/bgito15.b/rto15.m
 Cal Date : 30-Nov-2007 12:42 sv
 Curve Type : Average

Compound	0.20000 Level 1	0.50000 Level 2	5.000 Level 4	10.000 Level 5	15.000 Level 6	20.000 Level 7	RRF	% RSD
	40.000 Level 8							
53 Xylene (m,p)	0.46302 0.42300	0.42223	0.27385	0.41640	+++++	0.40976	0.40138	16.246
54 Xylene (o)	0.44868 0.41575	0.40445	0.26247	0.40131	+++++	0.39311	0.38763	16.592
56 Styrene	0.48866 0.67731	0.47461	0.37072	0.62832	+++++	0.62876	0.54473	21.716
57 Bromoform	0.34511 0.54194	0.33293	0.31840	0.47388	+++++	0.48520	0.41624	22.906
58 1,1,2,2-Tetrachloroethane	0.66580 0.56173	0.60640	0.37663	0.59161	+++++	0.54330	0.55758	17.612
59 4-Ethyltoluene	1.24528 1.20678	1.11419	0.66862	1.11160	+++++	1.13523	1.08028	19.322
60 1,3,5-Trimethylbenzene	1.00349 0.94722	0.86335	0.55130	0.94803	+++++	0.89350	0.86782	18.724
61 2-Chlorotoluene	1.09823 0.88386	0.96462	0.62821	0.94021	+++++	0.86220	0.89622	17.326
62 1,2,4-Trimethylbenzene	0.90238 0.92326	0.81591	0.49410	0.89064	+++++	0.86288	0.81486	19.814

TestAmerica Burlington

INITIAL CALIBRATION DATA

Start Cal Date : 28-NOV-2007 13:45
 End Cal Date : 29-NOV-2007 09:21
 Quant Method : ISTD
 Origin : Disabled
 Target Version : 3.50
 Integrator : HP RTE
 Method file : /chem/B.i/Bsvr.p/bgito15.b/rto15.m
 Cal Date : 30-Nov-2007 12:42 sv
 Curve Type : Average

Compound	0.20000 Level 1	0.50000 Level 2	5.000 Level 4	10.000 Level 5	15.000 Level 6	20.000 Level 7	RRF	% RSD
	40.000 Level 8							
63 1,3-Dichlorobenzene	0.66252 0.68848	0.57366	0.35791	0.61757	++++	0.61918	0.58655	20.263
64 1,4-Dichlorobenzene	0.64996 0.68537	0.57786	0.35055	0.60987	++++	0.61338	0.58116	20.453
65 1,2-Dichlorobenzene	0.59967 0.62791	0.52658	0.32492	0.56836	++++	0.57235	0.53663	20.330
66 1,2,4-Trichlorobenzene	++++ 0.19842	0.17669	0.15963	0.33219	++++	0.23075	0.21954	31.132 <-
67 Hexachlorobutadiene	0.17809 0.15184	0.15255	0.12186	0.23372	++++	0.20478	0.17380	23.301
68 Naphthalene	++++ 0.41890	0.38338	0.36981	0.81470	++++	0.46304	0.48997	37.774 <-

TestAmerica Burlington

INITIAL CALIBRATION DATA

Start Cal Date : 28-NOV-2007 13:45
End Cal Date : 29-NOV-2007 09:21
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/B.i/Bsvr.p/bgito15.b/rto15.m
Cal Date : 30-Nov-2007 12:42 sv
Curve Type : Average

Average %RSD Results.
=====
Calculated Average %RSD = 14.04765
Maximun Average %RSD = 0.000e+00
* Failed Average %RSD Test.

FORM 7
VOLATILE CONTINUING CALIBRATION CHECK

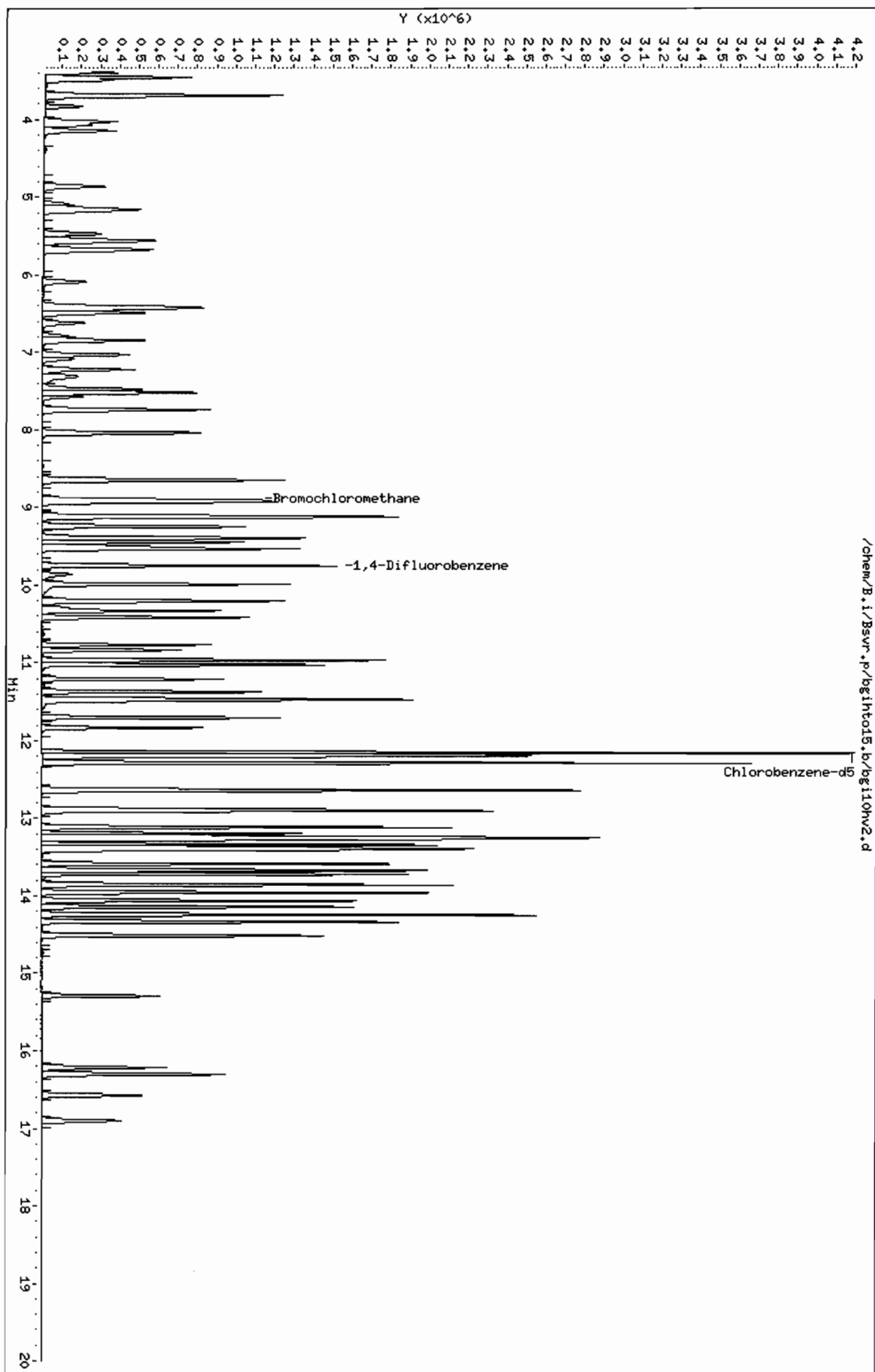
Lab Name: TESTAMERICA BURLINGTON Contract: 27000
 Lab Code: STLV Case No.: 27000 SAS No.: SDG No.: NY123316
 Instrument ID: B Calibration Date: 12/11/07 Time: 1237
 Lab File ID: BGI10HV2 Init. Calib. Date(s): 11/28/07 11/29/07
 Heated Purge: (Y/N) N Init. Calib. Times: 1345 0921
 GC Column: RTX-624 ID: 0.32 (mm)

COMPOUND	RRF	RRF10	MIN RRF	%D	MAX %D
Vinyl Chloride	1.025	1.276	0.01	24.5	30.0
1,1-Dichloroethene	1.039	1.134	0.01	9.1	30.0
trans-1,2-Dichloroethene	1.588	1.876	0.01	18.1	30.0
1,2-Dichloroethene (total)	1.391	1.597	0.01	14.8	30.0
cis-1,2-Dichloroethene	1.194	1.318	0.01	10.4	30.0
Trichloroethene	0.330	0.354	0.01	7.3	30.0
Tetrachloroethene	0.447	0.395	0.01	11.6	30.0

FORM VII VOA

Data File: /chem/B.i/Bsvr.p/bg1ht015.b/bg10hv2.d
Date : 11-DEC-2007 12:37
Client ID: ASTD010
Sample Info:
Purge Volume: 200.0
Column Phase: RTX-624

Instrument: B.i
Operator: wrd
Column diameter: 0.32



Data File: /chem/B.i/Bsvr.p/bgihto15.b/bgi10hv2.d
 Report Date: 13-Dec-2007 13:39

Page 1

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/B.i/Bsvr.p/bgihto15.b/bgi10hv2.d
 Lab Smp Id: ASTD010 Client Smp ID: ASTD010
 Inj Date : 11-DEC-2007 12:37
 Operator : wrd Inst ID: B.i
 Smp Info :
 Misc Info : ASTD010;121107BA;1;200
 Comment :
 Method : /chem/B.i/Bsvr.p/bgihto15.b/rto15.m
 Meth Date : 13-Dec-2007 13:39 sv Quant Type: ISTD
 Cal Date : 29-NOV-2007 09:21 Cal File: bgi05v2.d
 Als bottle: 2 Continuing Calibration Sample
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: ROUX1_Ocean.sub
 Target Version: 3.50
 Processing Host: chemsvr6

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

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

Cpnd Variable

Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
						CAL-AMT (ppbv)	ON-COL (ppbv)
4 Vinyl Chloride	62	4.068	4.068	(0.457)	328857	10.0000	12
11 1,1-Dichloroethene	96	6.491	6.491	(0.730)	292253	10.0000	11
19 trans-1,2-Dichloroethene	61	7.521	7.521	(0.846)	483540	10.0000	12
M 22 1,2-Dichloroethene (total)	61				823268	20.0000	23
24 cis-1,2-Dichloroethene	96	8.647	8.647	(0.972)	339728	10.0000	11
* 25 Bromochloromethane	128	8.893	8.893	(1.000)	257722	10.0000	(Q)
* 35 1,4-Difluorobenzene	114	9.747	9.747	(1.000)	1226091	10.0000	
36 Trichloroethene	95	9.987	9.987	(1.025)	434659	10.0000	11
46 Tetrachloroethene	166	11.465	11.465	(0.943)	507281	10.0000	8.8
* 50 Chlorobenzene-d5	117	12.154	12.154	(1.000)	1285189	10.0000	

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: /chem/B.i/Bsvr.p/bgihto15.b/bgi10hv2.d
Report Date: 13-Dec-2007 13:39

Page 2

TestAmerica Burlington

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: B.i Injection Date: 11-DEC-2007 12:37
Lab File ID: bgi10hv2.d Init. Cal. Date(s): 28-NOV-2007 29-NOV-2007
Analysis Type: AIR Init. Cal. Times: 13:45 09:21
Lab Sample ID: ASTD010 Quant Type: ISTD
Method: /chem/B.i/Bsvr.p/bgihto15.b/rto15.m

COMPOUND	RRF / AMOUNT	RF10	MIN		MAX		CURVE TYPE
			RRF	%D / %DRIFT	%D / %DRIFT		
4 Vinyl Chloride	1.02506	1.27601	0.010	-24.48188	30.00000		Averaged
11 1,1-Dichloroethene	1.03923	1.13399	0.010	-9.11833	30.00000		Averaged
19 trans-1,2-Dichloroethene	1.58792	1.87621	0.010	-18.15521	30.00000		Averaged
M 22 1,2-Dichloroethene (total)	1.39083	1.59720	0.010	-14.83813	30.00000		Averaged
24 cis-1,2-Dichloroethene	1.19374	1.31820	0.010	-10.42573	30.00000		Averaged
36 Trichloroethene	0.32962	0.35451	0.010	-7.55189	30.00000		Averaged
46 Tetrachloroethene	0.44672	0.39471	0.010	11.64226	30.00000		Averaged

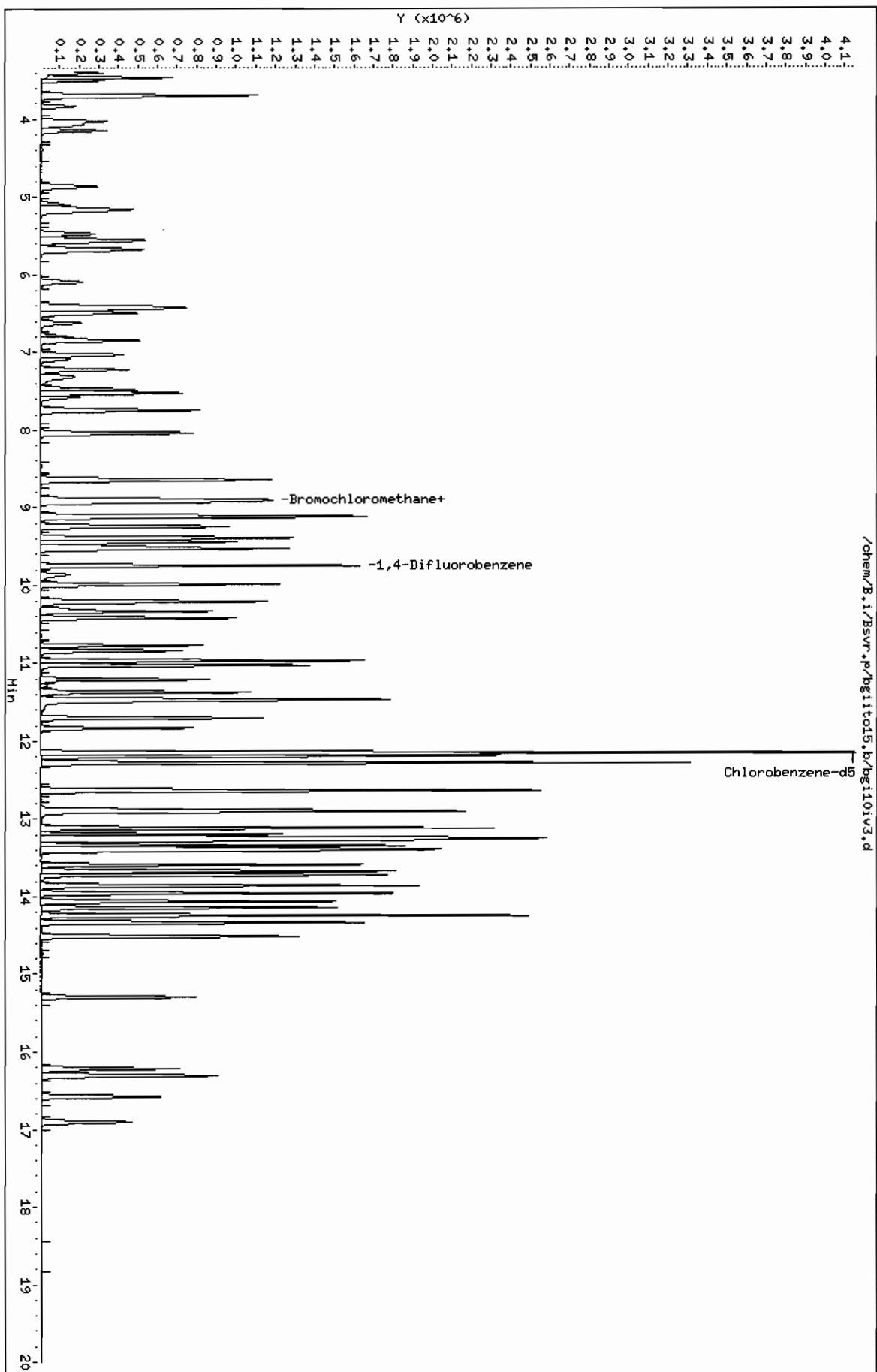
FORM 7
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: TESTAMERICA BURLINGTON Contract: 27000
 Lab Code: STLV Case No.: 27000 SAS No.: SDG No.: NY123316
 Instrument ID: B Calibration Date: 12/12/07 Time: 1444
 Lab File ID: BGI10IV3 Init. Calib. Date(s): 11/28/07 11/29/07
 Heated Purge: (Y/N) N Init. Calib. Times: 1345 0921
 GC Column: RTX-624 ID: 0.32 (mm)

COMPOUND	RRF	RRF10	MIN RRF	%D	MAX %D
Vinyl Chloride	1.025	1.080	0.01	5.4	30.0
1,1-Dichloroethene	1.039	0.989	0.01	4.8	30.0
trans-1,2-Dichloroethene	1.588	1.613	0.01	1.6	30.0
1,2-Dichloroethene (total)	1.391	1.397	0.01	0.4	30.0
cis-1,2-Dichloroethene	1.194	1.180	0.01	1.2	30.0
Trichloroethene	0.330	0.312	0.01	5.4	30.0
Tetrachloroethene	0.447	0.350	0.01	21.7	30.0

Data File: /chem/B.i/Bsvr.p/bgiltol5.b/bg110iv3.d
Date : 12-DEC-2007 14:44
Client ID: ASTD010
Sample Info:
Purge Volume: 200.0
Column phase: RTX-624

Instrument: B.i
Operator: wjd
Column diameter: 0.32



Data File: /chem/B.i/Bsvr.p/bgiito15.b/bgil0iv3.d
 Report Date: 13-Dec-2007 13:45

Page 1

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/B.i/Bsvr.p/bgiito15.b/bgil0iv3.d
 Lab Smp Id: ASTD010 Client Smp ID: ASTD010
 Inj Date : 12-DEC-2007 14:44
 Operator : wrd Inst ID: B.i
 Smp Info :
 Misc Info : ASTD010;121207BA;1;200
 Comment :
 Method : /chem/B.i/Bsvr.p/bgiito15.b/rto15.m
 Meth Date : 13-Dec-2007 13:45 sv Quant Type: ISTD
 Cal Date : 29-NOV-2007 09:21 Cal File: bgi05v2.d
 Als bottle: 2 Continuing Calibration Sample
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: ROUX1_Ocean.sub
 Target Version: 3.50
 Processing Host: chemsvr6

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

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

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
						CAL-AMT (ppbv)	ON-COL (ppbv)
4 Vinyl Chloride	62	4.068	4.068	(0.457)	299309	10.0000	11
11 1,1-Dichloroethene	96	6.491	6.491	(0.730)	273942	10.0000	9.5
19 trans-1,2-Dichloroethene	61	7.521	7.521	(0.846)	446993	10.0000	10
M 22 1,2-Dichloroethene (total)	61				773955	20.0000	20
24 cis-1,2-Dichloroethene	96	8.647	8.647	(0.972)	326962	10.0000	9.9
* 25 Bromochloromethane	128	8.893	8.893	(1.000)	277050	10.0000	(Q)
* 35 1,4-Difluorobenzene	114	9.747	9.747	(1.000)	1336585	10.0000	
36 Trichloroethene	95	9.987	9.987	(1.025)	416758	10.0000	9.5
46 Tetrachloroethene	166	11.465	11.465	(0.943)	477916	10.0000	7.8
* 50 Chlorobenzene-d5	117	12.154	12.154	(1.000)	1366124	10.0000	

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: /chem/B.i/Bsvr.p/bgiito15.b/bgil0iv3.d
Report Date: 13-Dec-2007 13:45

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TestAmerica Burlington

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: B.i Injection Date: 12-DEC-2007 14:44
Lab File ID: bgil0iv3.d Init. Cal. Date(s): 28-NOV-2007 29-NOV-2007
Analysis Type: AIR Init. Cal. Times: 13:45 09:21
Lab Sample ID: ASTD010 Quant Type: ISTD
Method: /chem/B.i/Bsvr.p/bgiito15.b/rto15.m

COMPOUND	RRF / AMOUNT	RF10	MIN		MAX		CURVE TYPE
			RRF	%D / %DRIFT	%D / %DRIFT		
4 Vinyl Chloride	1.02506	1.08034	0.010	-5.39310	30.00000		Averaged
11 1,1-Dichloroethene	1.03923	0.98878	0.010	4.85396	30.00000		Averaged
19 trans-1,2-Dichloroethene	1.58792	1.61340	0.010	-1.60487	30.00000		Averaged
M 22 1,2-Dichloroethene (total)	1.39083	1.39678	0.010	-0.42779	30.00000		Averaged
24 cis-1,2-Dichloroethene	1.19374	1.18016	0.010	1.13796	30.00000		Averaged
36 Trichloroethene	0.32962	0.31181	0.010	5.40255	30.00000		Averaged
46 Tetrachloroethene	0.44672	0.34983	0.010	21.68869	30.00000		Averaged



Raw QC Data – TO-15 Volatile

Data File: /chem/B.i/Bsvr.p/bgito15.b/bgi01pv.d

Page 3

Date : 28-NOV-2007 10:32 ✓

Client ID: VBFB

Instrument: B.i

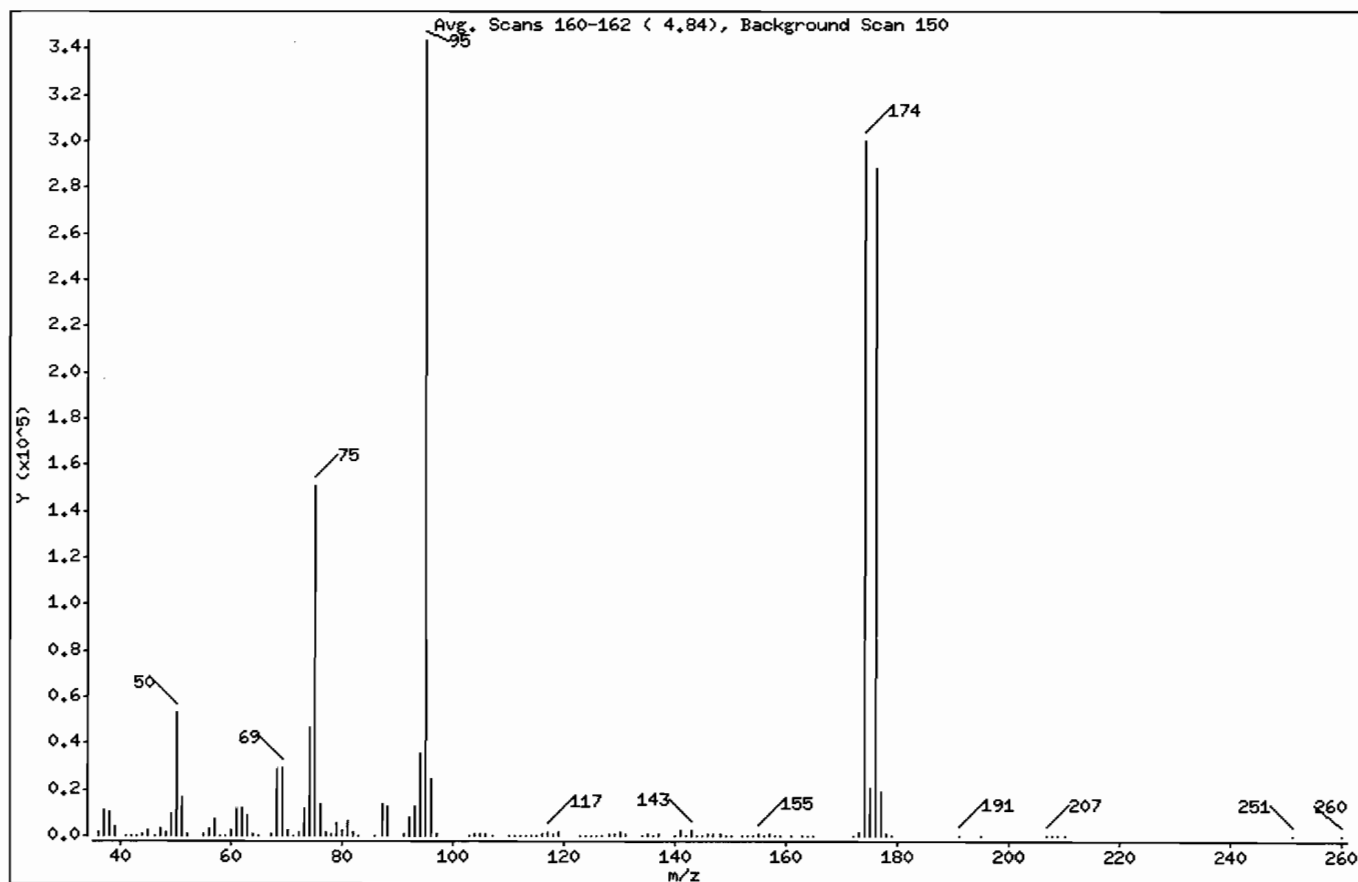
Sample Info: VBFB

Operator: wrd

Column phase: RTX-624

Column diameter: 0.32

\$ 1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	15.31
75	30.00 - 66.00% of mass 95	43.90
96	5.00 - 9.00% of mass 95	7.02
173	Less than 2.00% of mass 174	0.39 (0.44)
174	50.00 - 120.00% of mass 95	87.35
175	4.00 - 9.00% of mass 174	5.98 (6.85)
176	93.00 - 101.00% of mass 174	83.98 (96.14)
177	5.00 - 9.00% of mass 176	5.45 (6.49)

Date : 28-NOV-2007 10:32

Client ID: VBFB

Instrument: B.i

Sample Info: VBFB

Operator: wrd

Column phase: RTX-624

Column diameter: 0,32

Data File: bgi01pv.d

Spectrum: Avg. Scans 160-162 (4.84), Background Scan 150

Location of Maximum: 95.00

Number of points: 121

m/z	Y	m/z	Y	m/z	Y	m/z	Y

36.00	1858	71.00	56	113.00	182	152.00	157
37.00	10817	72.00	1422	114.00	16	153.00	289
38.00	9944	73.00	11541	115.00	364	154.00	272
39.00	4080	74.00	46632	116.00	1012	155.00	879
41.00	2	75.00	150848	117.00	1681	156.00	209

42.00	36	76.00	13250	118.00	1102	157.00	661
43.00	158	77.00	1778	119.00	1281	158.00	81
44.00	1038	78.00	1163	123.00	34	159.00	350
45.00	2095	79.00	5688	124.00	159	161.00	344
46.00	130	80.00	2330	125.00	151	163.00	34

47.00	3108	81.00	5994	126.00	154	164.00	49
48.00	1402	82.00	1597	127.00	147	165.00	39
49.00	9618	83.00	219	128.00	1153	172.00	140
50.00	52584	86.00	306	129.00	512	173.00	1333
51.00	16616	87.00	13168	130.00	1233	174.00	300096

52.00	625	88.00	12580	131.00	468	175.00	20544
55.00	540	91.00	611	134.00	14	176.00	288512
56.00	3310	92.00	8033	135.00	484	177.00	18736
57.00	6855	93.00	12632	136.00	113	178.00	622
58.00	260	94.00	35312	137.00	499	179.00	81

59.00	44	95.00	343552	140.00	141	191.00	156
60.00	2049	96.00	24120	141.00	2501	195.00	75
61.00	11207	97.00	830	142.00	287	207.00	187
62.00	11543	103.00	47	143.00	2560	208.00	41
63.00	9045	104.00	1122	144.00	152	209.00	76

64.00	829	105.00	429	145.00	262	210.00	33
65.00	82	106.00	1051	146.00	461	251.00	34
67.00	691	107.00	313	147.00	416	260.00	30
68.00	28480	110.00	148	148.00	751		
69.00	29000	111.00	146	149.00	242		

70.00	2335	112.00	121	150.00	290		

Data File: /chem/B.i/Bsvr.p/bgito15.b/bgi01pv.d

Page 2

Date : 28-NOV-2007 10:32

Client ID: VBFB

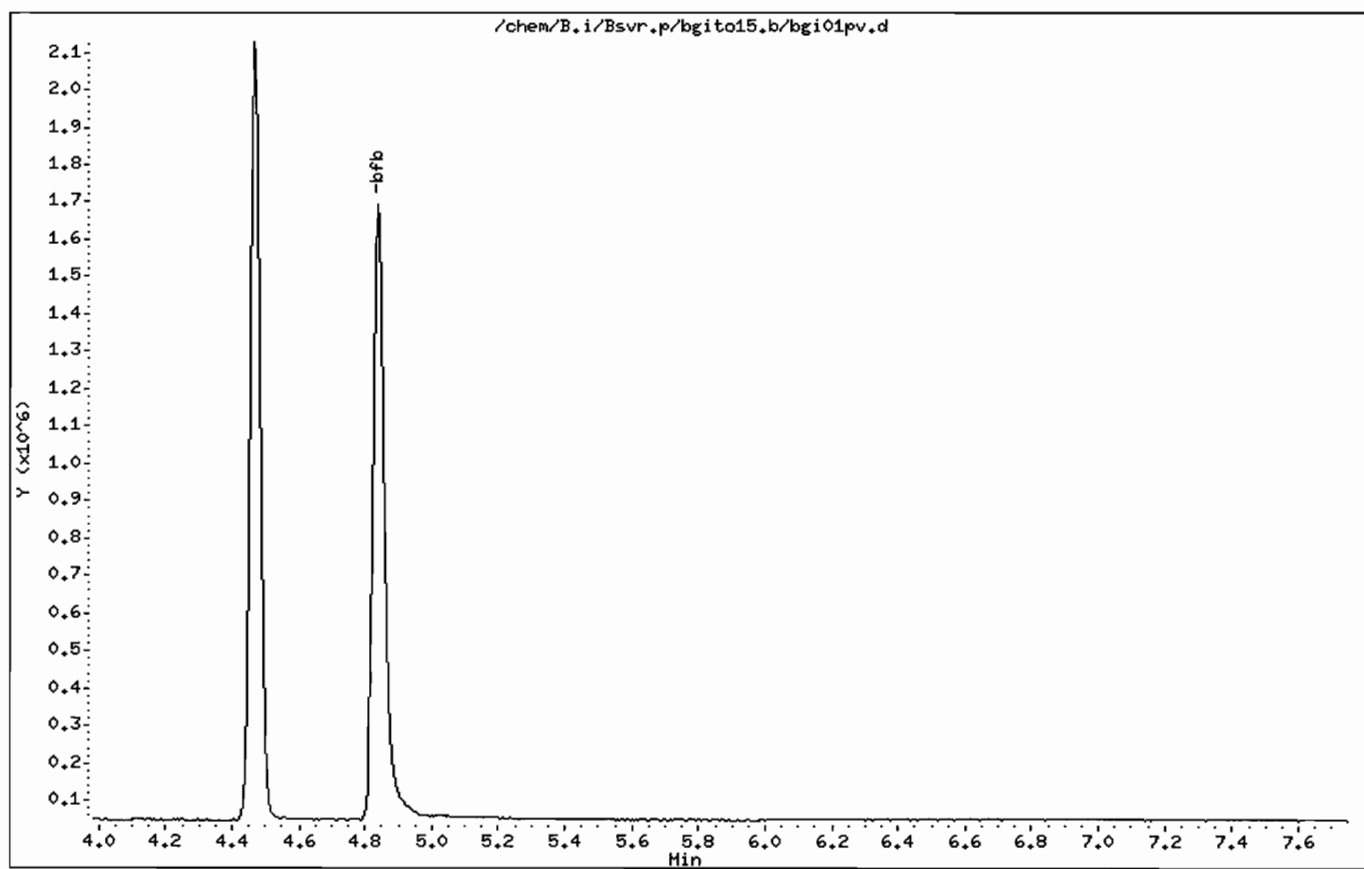
Instrument: B.i

Sample Info: VBFB

Operator: wrd

Column phase: RTX-624

Column diameter: 0.32



Data File: /chem/B.i/Bsvr.p/bginto15.b/bgi09pv.d

Page 3

Date : 11-DEC-2007 10:40 ✓

Client ID: VBFB

Instrument: B.i

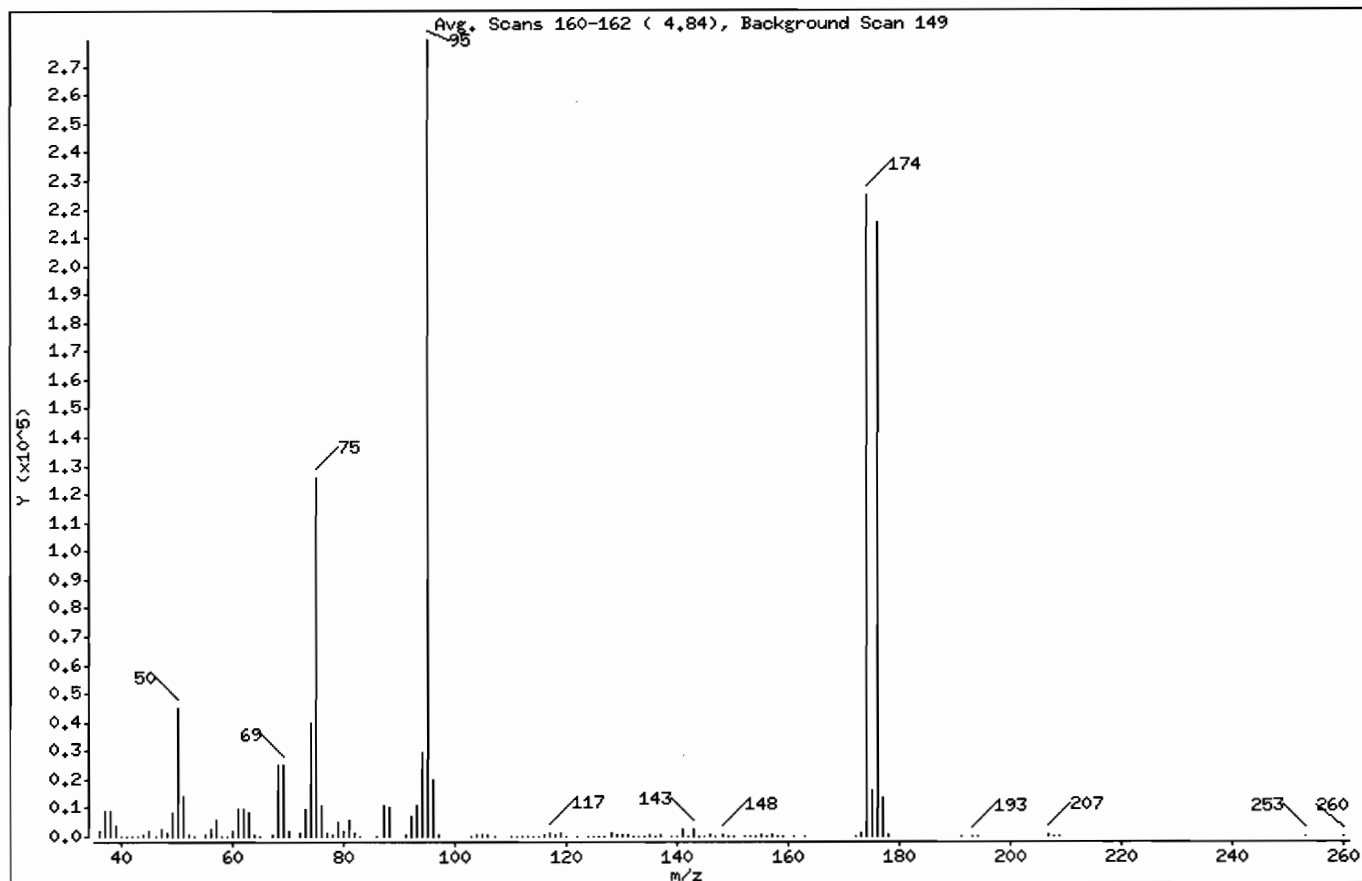
Sample Info: VBFB

Operator: wrd

Column phase: RTX-624

Column diameter: 0.32

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	16.19
75	30.00 - 66.00% of mass 95	45.07
96	5.00 - 9.00% of mass 95	7.24
173	Less than 2.00% of mass 174	0.37 (0.46)
174	50.00 - 120.00% of mass 95	80.36
175	4.00 - 9.00% of mass 174	5.73 (7.14)
176	93.00 - 101.00% of mass 174	76.97 (95.79)
177	5.00 - 9.00% of mass 176	4.94 (6.42)

Date : 11-DEC-2007 10:40

Client ID: VBFB

Instrument: B.i

Sample Info: VBFB

Operator: wrd

Column phase: RTX-624

Column diameter: 0.32

Data File: bgi09pv.d

Spectrum: Avg. Scans 160-162 (4.84), Background Scan 149

Location of Maximum: 95.00

Number of points: 123

m/z	Y	m/z	Y	m/z	Y	m/z	Y

36.00	1729	69.00	25272	112.00	81	146.00	356
37.00	9044	70.00	2066	113.00	193	147.00	196
38.00	8803	72.00	1036	114.00	38	148.00	679
39.00	3664	73.00	9555	115.00	320	149.00	187
40.00	130	74.00	39520	116.00	898	150.00	217

41.00	69	75.00	125944	117.00	1476	152.00	123
42.00	38	76.00	10991	118.00	872	153.00	183
43.00	101	77.00	1500	119.00	998	154.00	143
44.00	806	78.00	923	120.00	46	155.00	642
45.00	1967	79.00	5187	122.00	34	156.00	158

46.00	122	80.00	2077	124.00	190	157.00	422
47.00	2597	81.00	5466	125.00	34	158.00	40
48.00	1062	82.00	1492	126.00	123	159.00	302
49.00	8176	83.00	153	127.00	39	161.00	289
50.00	45232	86.00	204	128.00	1063	163.00	79

51.00	13955	87.00	10614	129.00	511	172.00	155
52.00	653	88.00	10087	130.00	854	173.00	1034
53.00	34	91.00	815	131.00	426	174.00	224512
55.00	464	92.00	6754	132.00	41	175.00	16023
56.00	2878	93.00	10629	133.00	11	176.00	215040

57.00	6021	94.00	29440	134.00	132	177.00	13800
58.00	219	95.00	279424	135.00	495	178.00	414
59.00	49	96.00	20216	136.00	35	191.00	33
60.00	1787	97.00	750	137.00	453	193.00	91
61.00	9413	103.00	184	139.00	33	194.00	33

62.00	9869	104.00	950	140.00	142	207.00	415
63.00	8064	105.00	346	141.00	2360	208.00	118
64.00	765	106.00	956	142.00	244	209.00	96
65.00	41	107.00	282	143.00	2468	253.00	14
67.00	516	110.00	139	144.00	108	260.00	37

68.00	25032	111.00	184	145.00	266		

Data File: /chem/B.i/Bsvr.p/bgihto15.b/bgi09pv.d

Page 2

Date : 11-DEC-2007 10:40

Client ID: VBFB

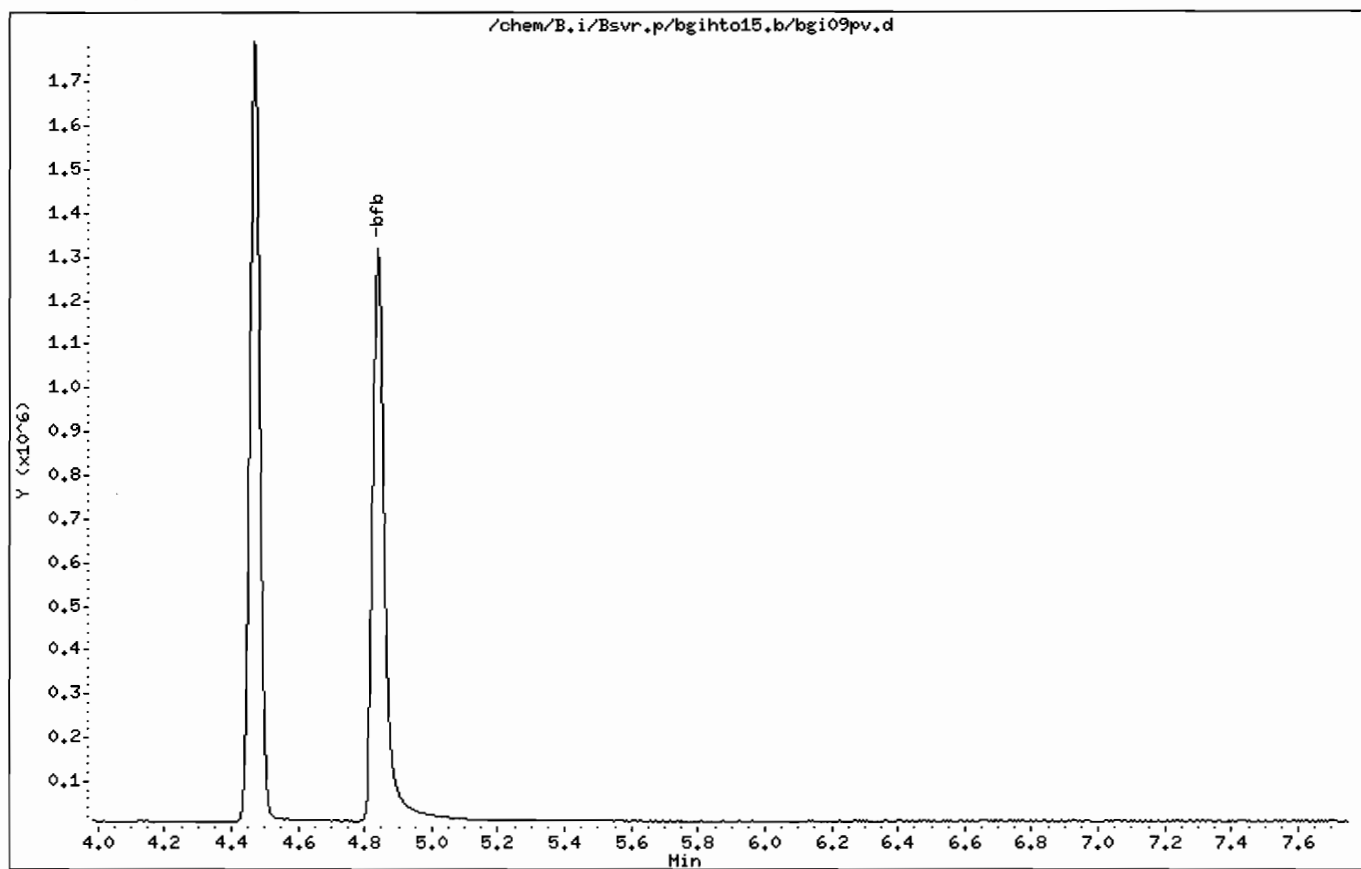
Instrument: B.i

Sample Info: VBFB

Operator: wrd

Column phase: RTX-624

Column diameter: 0.32



Data File: /chem/B.i/Bsvr.p/bgiito15.b/bgi10pv.d

Page 3

Date : 12-DEC-2007 11:19 ✓

Client ID: VBFB

Instrument: B.i

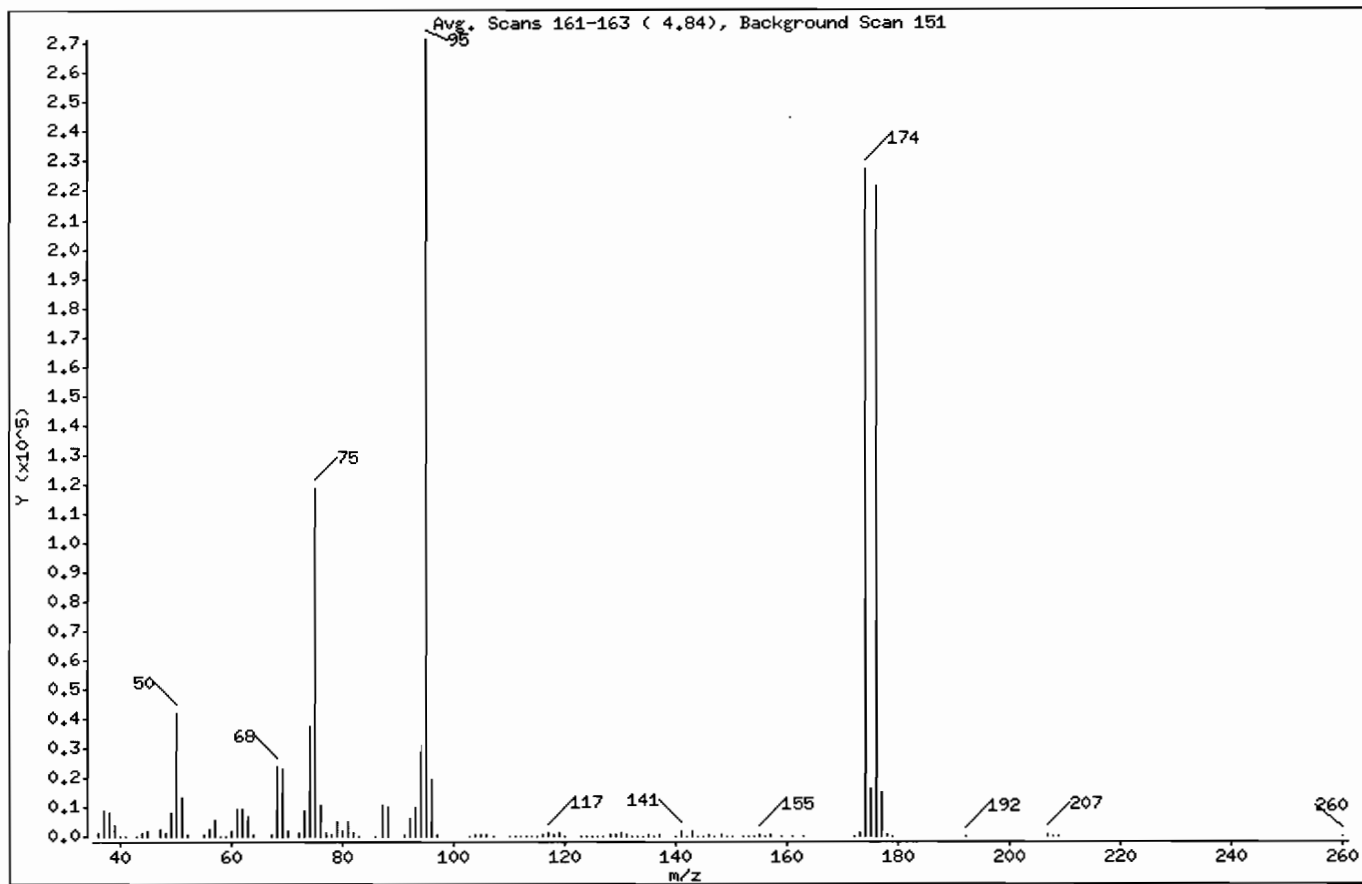
Sample Info: VBFB

Operator: wrd

Column phase: RTX-624

Column diameter: 0.32

\$ 1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	15.50
75	30.00 - 66.00% of mass 95	43.74
96	5.00 - 9.00% of mass 95	7.13
173	Less than 2.00% of mass 174	0.40 (0.48)
174	50.00 - 120.00% of mass 95	83.71
175	4.00 - 9.00% of mass 174	5.97 (7.13)
176	93.00 - 101.00% of mass 174	81.65 (97.53)
177	5.00 - 9.00% of mass 176	5.42 (6.64)

Date : 12-DEC-2007 11:19

Client ID: VBFB

Instrument: B.i

Sample Info: VBFB

Operator: wrd

Column phase: RTX-624

Column diameter: 0,32

Data File: bgi10pv.d							
Spectrum: Avg. Scans 161-163 (4,84), Background Scan 151							
Location of Maximum: 95,00							
Number of points: 115							
m/z	Y	m/z	Y	m/z	Y	m/z	Y

36,00	1510	72,00	1052	112,00	39	145,00	215
37,00	8766	73,00	8841	113,00	151	146,00	368
38,00	7965	74,00	37576	114,00	92	147,00	197
39,00	3585	75,00	118760	115,00	176	148,00	570
40,00	118	76,00	10413	116,00	823	149,00	266

41,00	64	77,00	1381	117,00	1254	150,00	252
43,00	51	78,00	801	118,00	772	152,00	125
44,00	947	79,00	4687	119,00	1000	153,00	203
45,00	1724	80,00	1906	120,00	34	154,00	185
47,00	2536	81,00	4766	123,00	35	155,00	594

48,00	1019	82,00	1244	124,00	95	156,00	160
49,00	7946	83,00	100	125,00	141	157,00	461
50,00	42072	86,00	282	126,00	102	159,00	261
51,00	13007	87,00	10378	127,00	34	161,00	293
52,00	573	88,00	9687	128,00	858	163,00	14

55,00	483	91,00	766	129,00	434	172,00	39
56,00	2659	92,00	6471	130,00	938	173,00	1089
57,00	5602	93,00	10062	131,00	321	174,00	227264
58,00	243	94,00	28560	132,00	39	175,00	16212
59,00	39	95,00	271488	133,00	6	176,00	221632

60,00	1616	96,00	19360	134,00	148	177,00	14722
61,00	9226	97,00	373	135,00	452	178,00	475
62,00	9471	103,00	96	136,00	76	179,00	77
63,00	7108	104,00	868	137,00	350	192,00	72
64,00	656	105,00	339	140,00	178	207,00	681

67,00	534	106,00	857	141,00	2082	208,00	85
68,00	23640	107,00	273	142,00	272	209,00	99
69,00	23304	110,00	81	143,00	2065	260,00	3
70,00	1703	111,00	192	144,00	104		

Data File: /chem/B.i/Bsvr.p/bgiito15.b/bgi10pv.d

Page 2

Date : 12-DEC-2007 11:19

Client ID: VBFB

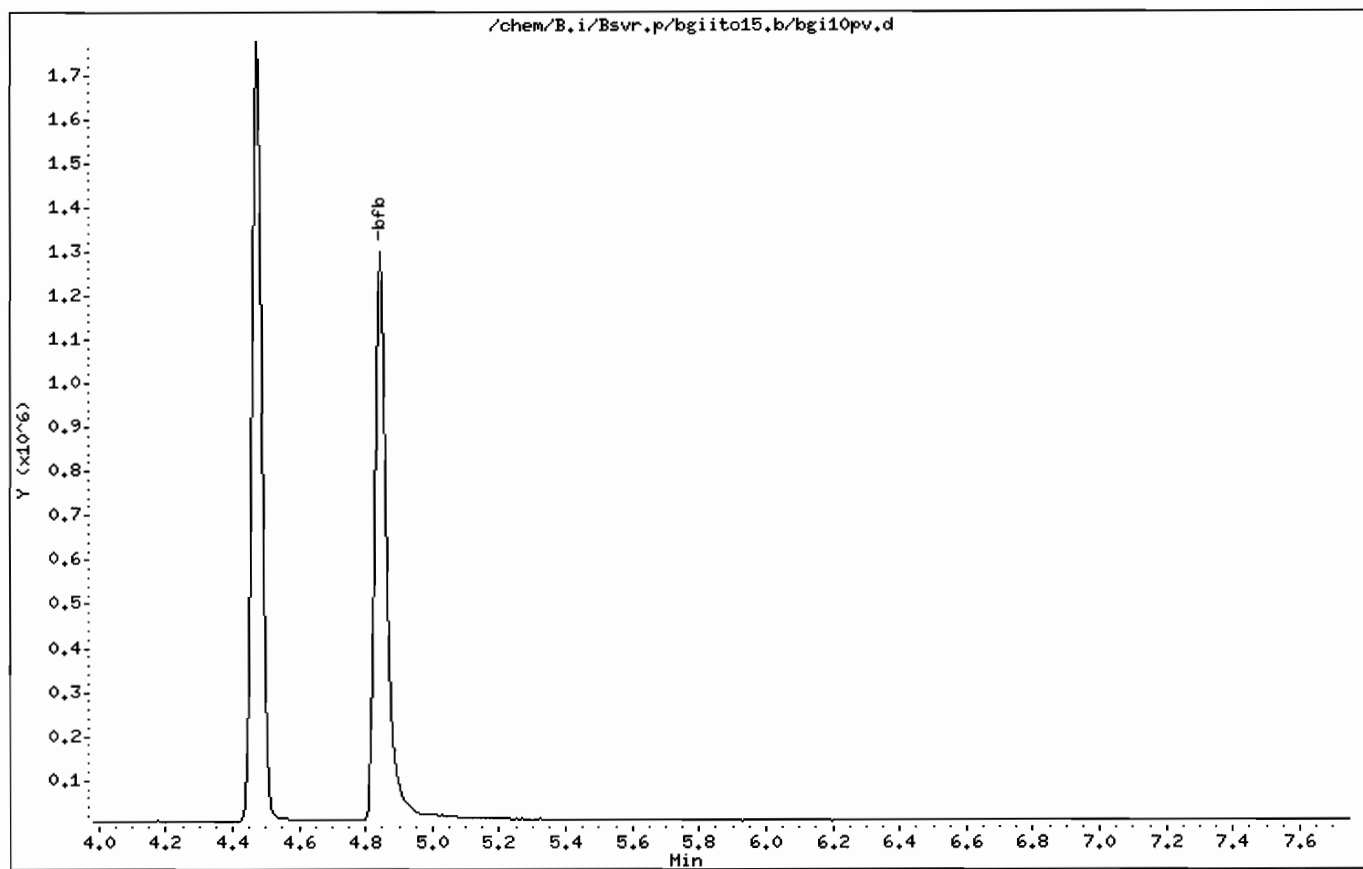
Instrument: B.i

Sample Info: VBFB

Operator: wrd

Column phase: RTX-624

Column diameter: 0.32



FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MBLK121107BA

Lab Name: TESTAMERICA BURLINGTON Contract: 27000

Lab Code: STLV Case No.: 27000 SAS No.: SDG No.: NY123316

Matrix: (soil/water) AIR Lab Sample ID: MBLK121107BA

Sample wt/vol: 250.0 (g/mL) ML Lab File ID: BGIB02H

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 12/11/07

GC Column: RTX-624 ID: 0.32 (mm) Dilution Factor: 0.8

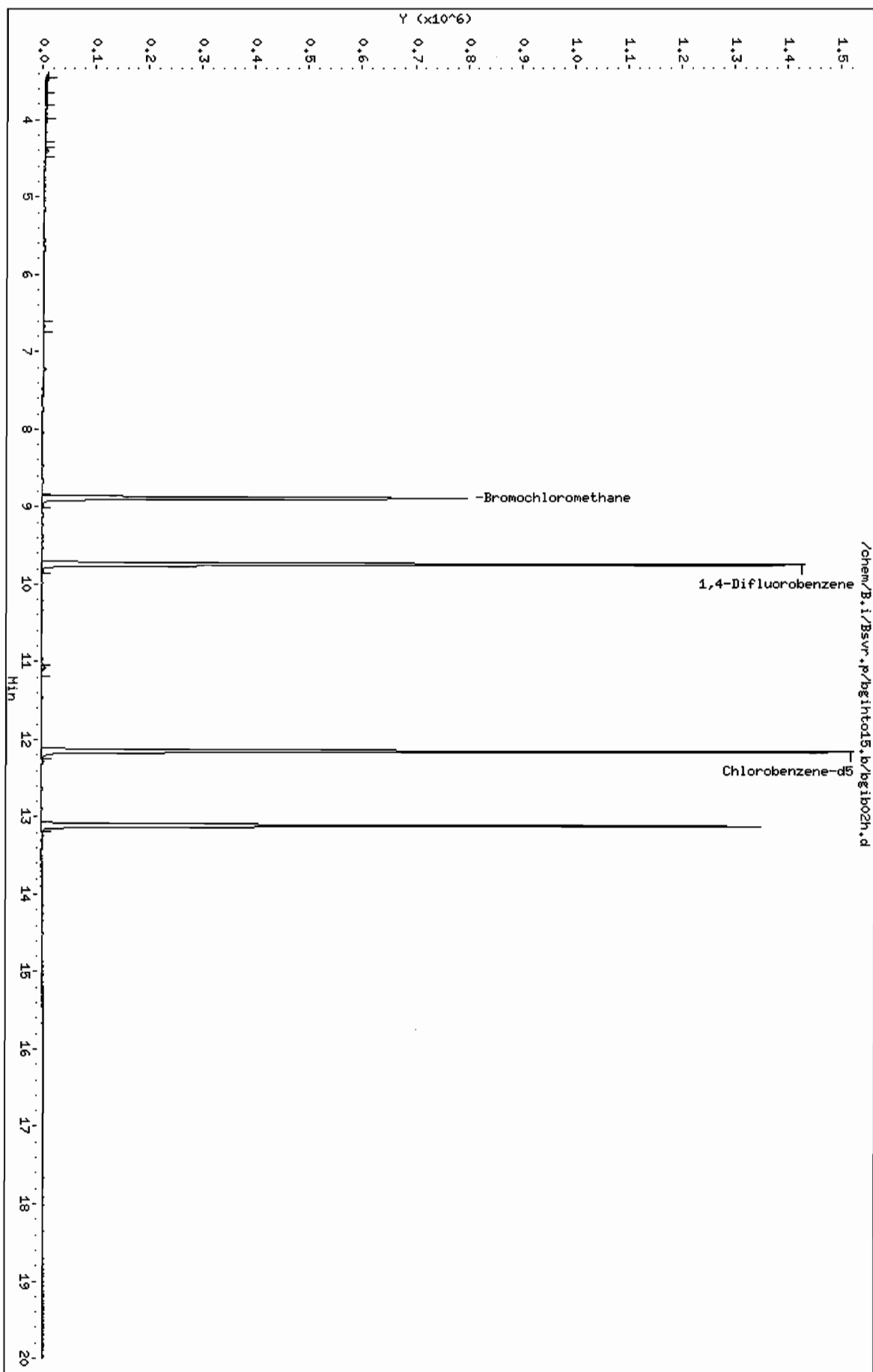
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg) PPBV	Q
75-01-4-----	Vinyl Chloride	0.16	U
75-35-4-----	1,1-Dichloroethene	0.16	U
156-60-5-----	trans-1,2-Dichloroethene	0.16	U
540-59-0-----	1,2-Dichloroethene (total)	0.16	U
156-59-2-----	cis-1,2-Dichloroethene	0.16	U
79-01-6-----	Trichloroethene	0.16	U
127-18-4-----	Tetrachloroethene	0.16	U

FORM I VOA

Data File: /chem/B.i/Bsyr,p/bg1htd15.b/bgib02h.d
Date: 11-DEC-2007 15:51
Client ID: MBLK121107BA
Sample Info:
Purge Volume: 250.0
Column Phase: RTX-624

Instrument: B.i
Operator: wrd
Column diameter: 0.32



TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/B.i/Bsvr.p/bgihto15.b/bgib02h.d
Lab Smp Id: MBLK121107BA Client Smp ID: MBLK121107BA
Inj Date : 11-DEC-2007 15:51
Operator : wrd Inst ID: B.i
Smp Info :
Misc Info : MBLK121107BA;121007BA;.8;250
Comment :
Method : /chem/B.i/Bsvr.p/bgihto15.b/rto15.m
Meth Date : 13-Dec-2007 13:39 sv Quant Type: ISTD
Cal Date : 29-NOV-2007 09:21 Cal File: bgi05v2.d
Als bottle: 3 QC Sample: BLANK
Dil Factor: 0.80000
Integrator: HP RTE Compound Sublist: ROUX1_Ocean.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	0.80000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	250.00000	Sample Volume purged (mL)

Cpnd Variable

Local Compound Variable

Compounds	QUANT SIG						CONCENTRATIONS	
		RT	EXP RT	REL RT	RESPONSE		ON-COLUMN	FINAL
	MASS						(ppbv)	(ppbv)
-----	----	--	-----	-----	-----	-----	-----	-----
4 Vinyl Chloride	62				Compound Not Detected.			
11 1,1-Dichloroethene	96				Compound Not Detected.			
19 trans-1,2-Dichloroethene	61				Compound Not Detected.			
M 22 1,2-Dichloroethene (total)	61				Compound Not Detected.			
24 cis-1,2-Dichloroethene	96				Compound Not Detected.			
* 25 Bromochloromethane	128	8.888	8.893	(1.000)	231688	10.0000		
* 35 1,4-Difluorobenzene	114	9.741	9.747	(1.000)	1195838	10.0000		
36 Trichloroethene	95				Compound Not Detected.			
46 Tetrachloroethene	166				Compound Not Detected.			
* 50 Chlorobenzene-d5	117	12.148	12.154	(1.000)	882505	10.0000		

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MBLK121207BA

Lab Name: TESTAMERICA BURLINGTON Contract: 27000

Lab Code: STLV Case No.: 27000 SAS No.: SDG No.: NY123316

Matrix: (soil/water) AIR Lab Sample ID: MBLK121207BA

Sample wt/vol: 250.0 (g/mL) ML Lab File ID: BGIB02I

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 12/12/07

GC Column: RTX-624 ID: 0.32 (mm) Dilution Factor: 0.8

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

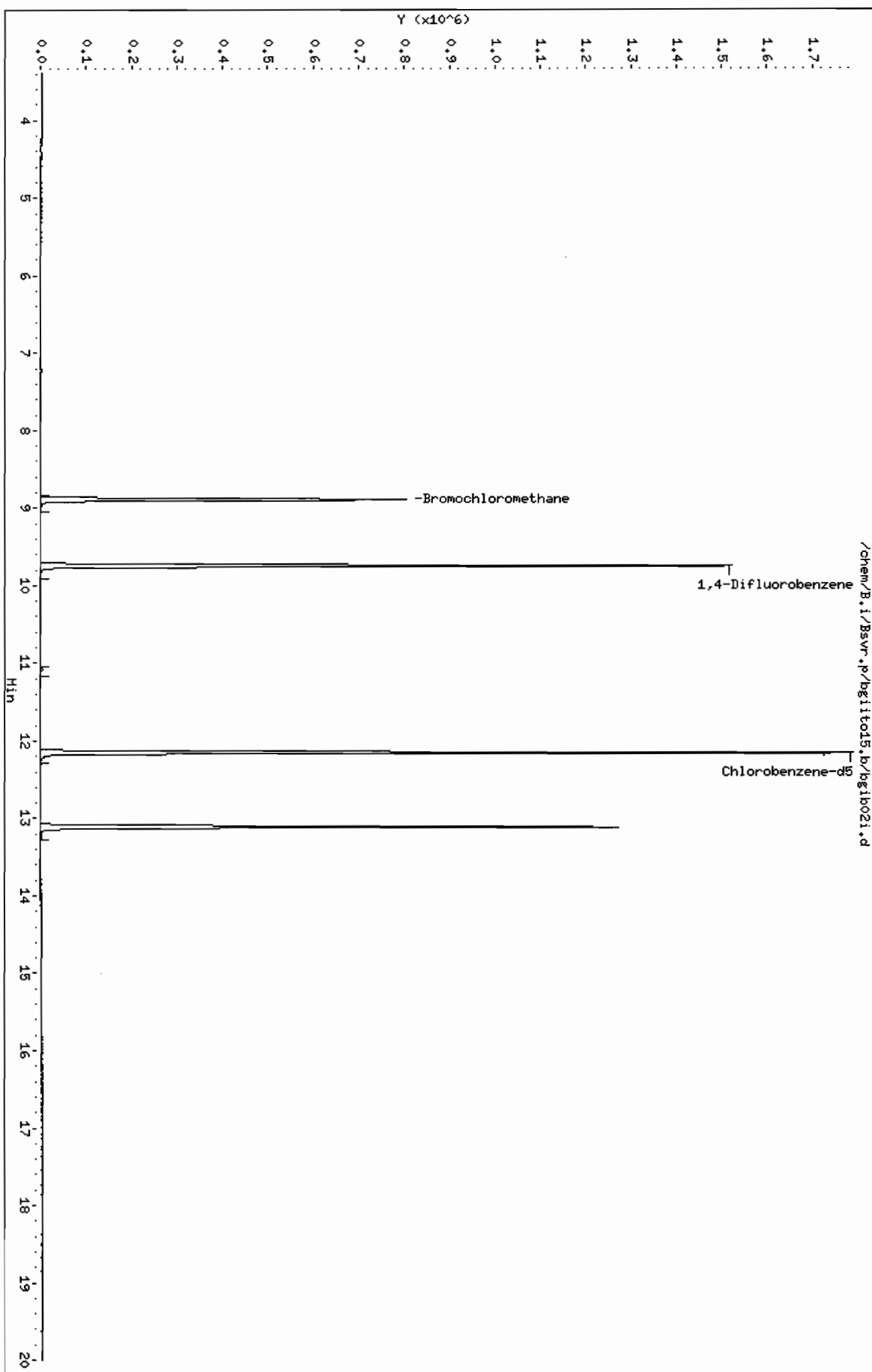
CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) PPBV Q

75-01-4-----	Vinyl Chloride	0.16	U
75-35-4-----	1,1-Dichloroethene	0.16	U
156-60-5-----	trans-1,2-Dichloroethene	0.16	U
540-59-0-----	1,2-Dichloroethene (total)	0.16	U
156-59-2-----	cis-1,2-Dichloroethene	0.16	U
79-01-6-----	Trichloroethene	0.16	U
127-18-4-----	Tetrachloroethene	0.16	U

FORM I VOA

Data File: /chem/B.i/Bsvr.p/bg1to15.b/bg1b021.d
Date: 12-DEC-2007 18:05
Client ID: HBLK121207BA
Sample Info:
Purge Volume: 250.0
Column Phase: RTX-624

Instrument: B.i
Operator: wrd
Column diameter: 0.32



Data File: /chem/B.i/Bsvr.p/bgiito15.b/bgib02i.d
 Report Date: 13-Dec-2007 13:45

Page 1

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/B.i/Bsvr.p/bgiito15.b/bgib02i.d
 Lab Smp Id: MBLK121207BA Client Smp ID: MBLK121207BA
 Inj Date : 12-DEC-2007 18:05
 Operator : wrd Inst ID: B.i
 Smp Info :
 Misc Info : MBLK121207BA;121207BA;.8;250
 Comment :
 Method : /chem/B.i/Bsvr.p/bgiito15.b/rto15.m
 Meth Date : 13-Dec-2007 13:45 sv Quant Type: ISTD
 Cal Date : 29-NOV-2007 09:21 Cal File: bgi05v2.d
 Als bottle: 3 QC Sample: BLANK
 Dil Factor: 0.80000
 Integrator: HP RTE Compound Sublist: ROUX1_Ocean.sub
 Target Version: 3.50
 Processing Host: chemsvr6

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

Name	Value	Description
DF	0.80000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	250.00000	Sample Volume purged (mL)

Cpnd Variable

Local Compound Variable

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ppbv)	FINAL (ppbv)
4 Vinyl Chloride	62						
11 1,1-Dichloroethene	96						
19 trans-1,2-Dichloroethene	61						
M 22 1,2-Dichloroethene (total)	61						
24 cis-1,2-Dichloroethene	96						
* 25 Bromochloromethane	128	8.887	8.893	(1.000)	230487	10.0000	
* 35 1,4-Difluorobenzene	114	9.741	9.747	(1.000)	1260424	10.0000	
36 Trichloroethene	95						
46 Tetrachloroethene	166						
* 50 Chlorobenzene-d5	117	12.148	12.154	(1.000)	1031209	10.0000	

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

BA121107LCS

Lab Name: TESTAMERICA BURLINGTON Contract: 27000

Lab Code: STLV Case No.: 27000 SAS No.: SDG No.: NY123316

Matrix: (soil/water) AIR Lab Sample ID: BA121107LCS

Sample wt/vol: 200.0 (g/mL) ML Lab File ID: BGI10HQ

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 12/11/07

GC Column: RTX-624 ID: 0.32 (mm) Dilution Factor: 1.0

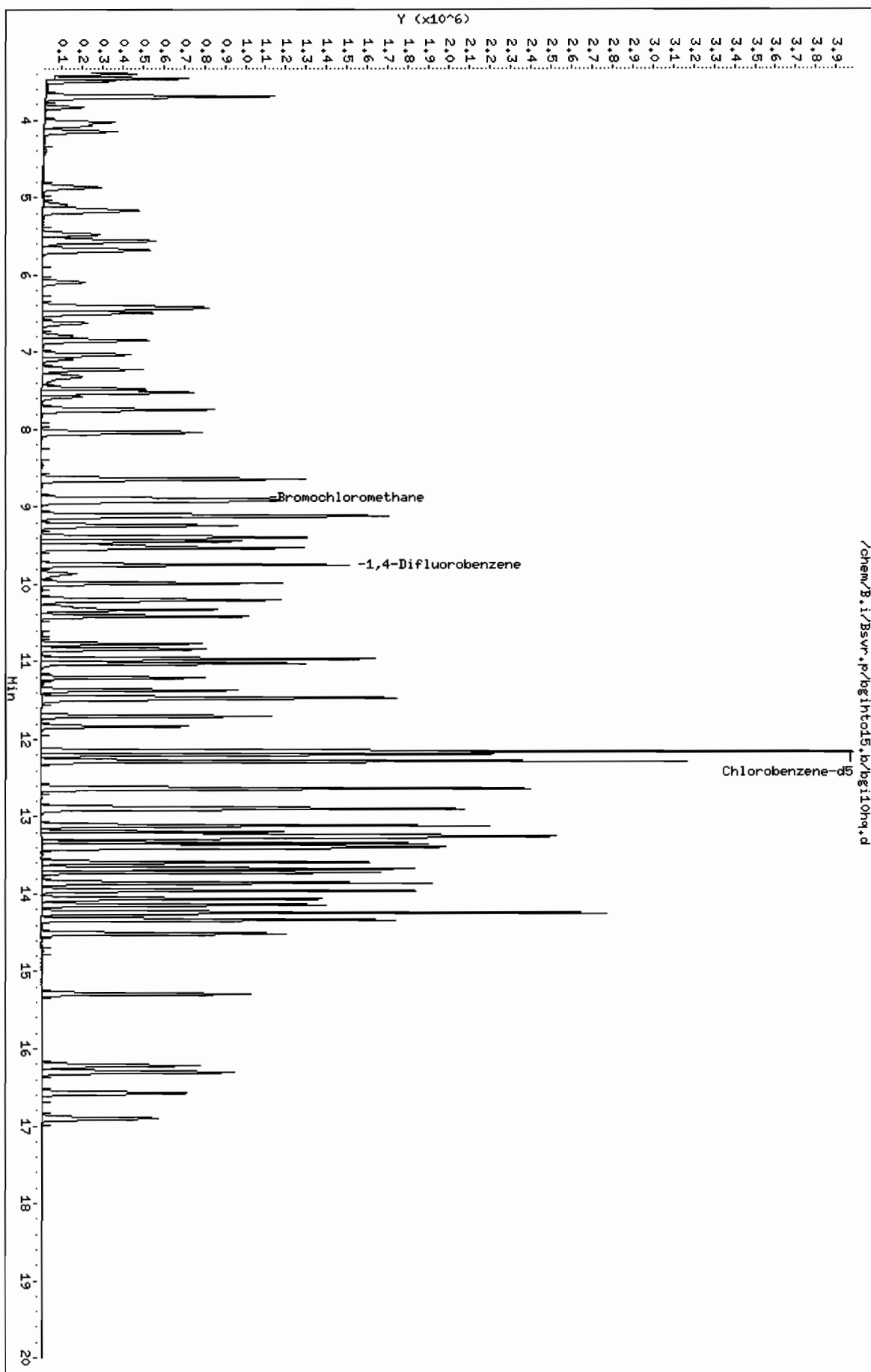
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) PPBV	Q
75-01-4-----	Vinyl Chloride	11	_____
75-35-4-----	1,1-Dichloroethene	11	_____
156-60-5-----	trans-1,2-Dichloroethene	11	_____
540-59-0-----	1,2-Dichloroethene (total)	21	_____
156-59-2-----	cis-1,2-Dichloroethene	11	_____
79-01-6-----	Trichloroethene	10	_____
127-18-4-----	Tetrachloroethene	7.8	_____

FORM I VOA

Data File: /chem/B.i/Bsvr.p/bgint05.b/bg10hq.d
Date : 11-DEC-2007 13:26
Client ID: B4121107LCS
Sample Info:
Purge Volume: 200.0
Column phase: RTX-624

Instrument: B.i
Operator: wrd
Column diameter: 0.32



Data File: /chem/B.i/Bsvr.p/bgihto15.b/bgi10hq.d
Report Date: 13-Dec-2007 13:40

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TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/B.i/Bsvr.p/bgihto15.b/bgi10hq.d
Lab Smp Id: BA121107LCS Client Smp ID: BA121107LCS
Inj Date : 11-DEC-2007 13:26
Operator : wrd Inst ID: B.i
Smp Info :
Misc Info : BA121107LCS;121007BA;1;200
Comment :
Method : /chem/B.i/Bsvr.p/bgihto15.b/rto15.m
Meth Date : 13-Dec-2007 13:39 sv Quant Type: ISTD
Cal Date : 29-NOV-2007 09:21 Cal File: bgi05v2.d
Als bottle: 2 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ROUX1_Ocean.sub
Target Version: 3.50
Processing Host: chemsvr6

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

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

Cpnd Variable

Local Compound Variable

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN	FINAL
	MASS					(ppbv)	(ppbv)
4 Vinyl Chloride	62	4.074	4.068	(0.458)	305741	11.2163	11
11 1,1-Dichloroethene	96	6.497	6.491	(0.731)	303914	10.9973	11
19 trans-1,2-Dichloroethene	61	7.521	7.521	(0.846)	452305	10.7114	11
M 22 1,2-Dichloroethene (total)	61				789016	21.3184	21
24 cis-1,2-Dichloroethene	96	8.647	8.647	(0.972)	336711	10.6070	11
* 25 Bromochloromethane	128	8.893	8.893	(1.000)	265923	10.0000	(Q)
* 35 1,4-Difluorobenzene	114	9.747	9.747	(1.000)	1248472	10.0000	
36 Trichloroethene	95	9.987	9.987	(1.025)	411645	10.0031	10
46 Tetrachloroethene	166	11.465	11.465	(0.943)	463773	7.83769	7.8
* 50 Chlorobenzene-d5	117	12.154	12.154	(1.000)	1324587	10.0000	

QC Flag Legend

Q - Qualifier signal failed the ratio test.

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

BA121107LCSD

Lab Name: TESTAMERICA BURLINGTON Contract: 27000

Lab Code: STLV Case No.: 27000 SAS No.: SDG No.: NY123316

Matrix: (soil/water) AIR Lab Sample ID: BA121107LCSD

Sample wt/vol: 200.0 (g/mL) ML Lab File ID: BGI10HQD

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 12/11/07

GC Column: RTX-624 ID: 0.32 (mm) Dilution Factor: 1.0

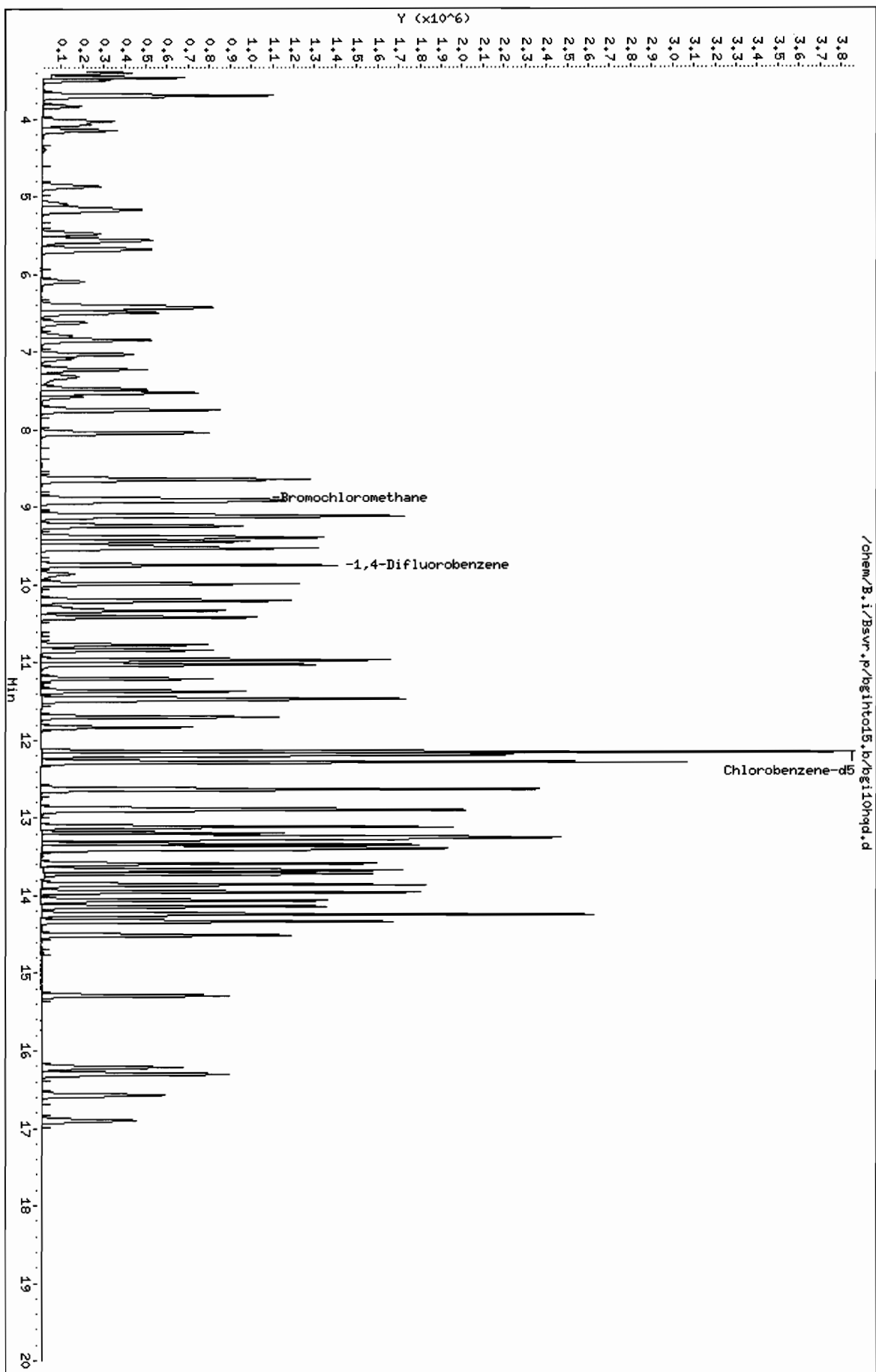
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg) PPBV	Q
75-01-4-----	Vinyl Chloride	12	_____
75-35-4-----	1,1-Dichloroethene	12	_____
156-60-5-----	trans-1,2-Dichloroethene	12	_____
540-59-0-----	1,2-Dichloroethene (total)	23	_____
156-59-2-----	cis-1,2-Dichloroethene	12	_____
79-01-6-----	Trichloroethene	11	_____
127-18-4-----	Tetrachloroethene	8.7	_____

FORM I VOA

Data File: /chem/B.i/Bsvr.p/bgintc05.b/bg10hqd.d
 Date : 11-DEC-2007 14:14
 Client ID: B412107LCSD
 Sample Info:
 Purge Volume: 200.0
 Column phase: RTX-624

Instrument: B.i
 Operator: wrd
 Column diameter: 0.32



Data File: /chem/B.i/Bsvr.p/bgihto15.b/bgi10hqd.d
Report Date: 13-Dec-2007 13:40

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TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/B.i/Bsvr.p/bgihto15.b/bgi10hqd.d
Lab Smp Id: BA121107LCSD Client Smp ID: BA121107LCSD
Inj Date : 11-DEC-2007 14:14
Operator : wrd Inst ID: B.i
Smp Info :
Misc Info : BA121107LCSD;121007BA;1;200
Comment :
Method : /chem/B.i/Bsvr.p/bgihto15.b/rto15.m
Meth Date : 13-Dec-2007 13:39 sv Quant Type: ISTD
Cal Date : 29-NOV-2007 09:21 Cal File: bgi05v2.d
Als bottle: 2 QC Sample: LCSD
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ROUX1_Ocean.sub
Target Version: 3.50
Processing Host: chemsvr6

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

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

Cpnd Variable

Local Compound Variable

Compounds	QUANT SIG	CONCENTRATIONS						
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ppbv)	FINAL (ppbv)
4 Vinyl Chloride	62		4.074	4.068	(0.458)	303319	11.9244	12
11 1,1-Dichloroethene	96		6.491	6.491	(0.730)	304694	11.8152	12
19 trans-1,2-Dichloroethene	61		7.521	7.521	(0.846)	457754	11.6169	12
M 22 1,2-Dichloroethene (total)	61					799362	23.1489	23
24 cis-1,2-Dichloroethene	96		8.647	8.647	(0.972)	341608	11.5320	12
* 25 Bromochloromethane	128		8.893	8.893	(1.000)	248150	10.0000	(Q)
* 35 1,4-Difluorobenzene	114		9.747	9.747	(1.000)	1133581	10.0000	
36 Trichloroethene	95		9.987	9.987	(1.025)	415964	11.1326	11
46 Tetrachloroethene	166		11.465	11.465	(0.943)	461170	8.67556	8.7
* 50 Chlorobenzene-d5	117		12.154	12.154	(1.000)	1189944	10.0000	

QC Flag Legend

Q - Qualifier signal failed the ratio test.

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

BA121207LCS

Lab Name: TESTAMERICA BURLINGTON Contract: 27000

Lab Code: STLV Case No.: 27000 SAS No.: SDG No.: NY123316

Matrix: (soil/water) AIR Lab Sample ID: BA121207LCS

Sample wt/vol: 200.0 (g/mL) ML Lab File ID: BGI10IQ

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 12/12/07

GC Column: RTX-624 ID: 0.32 (mm) Dilution Factor: 1.0

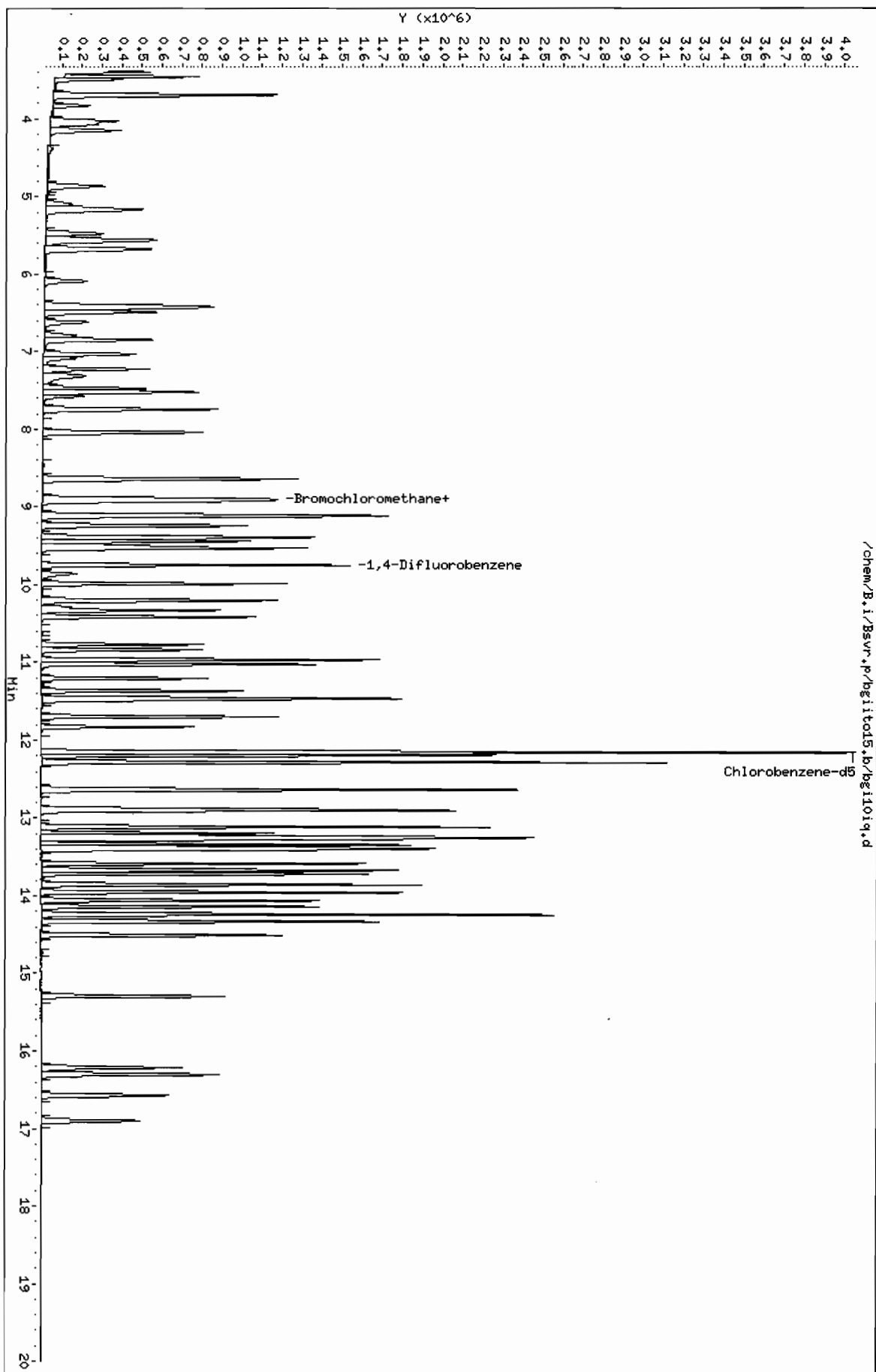
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) PPBV	Q
75-01-4-----	Vinyl Chloride	11	
75-35-4-----	1,1-Dichloroethene	12	
156-60-5-----	trans-1,2-Dichloroethene	11	
540-59-0-----	1,2-Dichloroethene (total)	22	
156-59-2-----	cis-1,2-Dichloroethene	11	
79-01-6-----	Trichloroethene	10	
127-18-4-----	Tetrachloroethene	8.2	

FORM I VOA

Data File: /chem/B.i/Bsyr.p/bg1to15.b/bg1to19.d
Date : 12-DEC-2007 15:39
Client ID: BH121207LCS
Sample Info:
Purge Volume: 200.0
Column phase: RTX-624

Instrument: B.i
Operator: wrd
Column diameter: 0.32



Data File: /chem/B.i/Bsvr.p/bgiito15.b/bgi10iq.d
 Report Date: 13-Dec-2007 13:45

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TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/B.i/Bsvr.p/bgiito15.b/bgi10iq.d
 Lab Smp Id: BA121207LCS Client Smp ID: BA121207LCS
 Inj Date : 12-DEC-2007 15:39
 Operator : wrd Inst ID: B.i
 Smp Info :
 Misc Info : BA121207LCS;121207BA;1;200
 Comment :
 Method : /chem/B.i/Bsvr.p/bgiito15.b/rto15.m
 Meth Date : 13-Dec-2007 13:45 sv Quant Type: ISTD
 Cal Date : 29-NOV-2007 09:21 Cal File: bgi05v2.d
 Als bottle: 2 QC Sample: LCS
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: ROUX1_Ocean.sub
 Target Version: 3.50
 Processing Host: chemsvr6

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

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

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ppbv)	FINAL (ppbv)
4 Vinyl Chloride	62	4.068	4.068	(0.457)	307680	11.3959	11
11 1,1-Dichloroethene	96	6.491	6.491	(0.730)	322018	11.7643	12
19 trans-1,2-Dichloroethene	61	7.521	7.521	(0.846)	471577	11.2751	11
M 22 1,2-Dichloroethene (total)	61				821748	22.4121	22
24 cis-1,2-Dichloroethene	96	8.647	8.647	(0.972)	350171	11.1370	11
* 25 Bromochloromethane	128	8.893	8.893	(1.000)	263392	10.0000	(Q)
* 35 1,4-Difluorobenzene	114	9.747	9.747	(1.000)	1269450	10.0000	
36 Trichloroethene	95	9.987	9.987	(1.025)	426812	10.2003	10
46 Tetrachloroethene	166	11.465	11.465	(0.943)	487510	8.17722	8.2
* 50 Chlorobenzene-d5	117	12.154	12.154	(1.000)	1334568	10.0000	

QC Flag Legend

Q - Qualifier signal failed the ratio test.

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

BA121207LCSD

Lab Name: TESTAMERICA BURLINGTON Contract: 27000

Lab Code: STLV Case No.: 27000 SAS No.: SDG No.: NY123316

Matrix: (soil/water) AIR Lab Sample ID: BA121207LCSD

Sample wt/vol: 200.0 (g/mL) ML Lab File ID: BGI10IQD

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 12/12/07

GC Column: RTX-624 ID: 0.32 (mm) Dilution Factor: 1.0

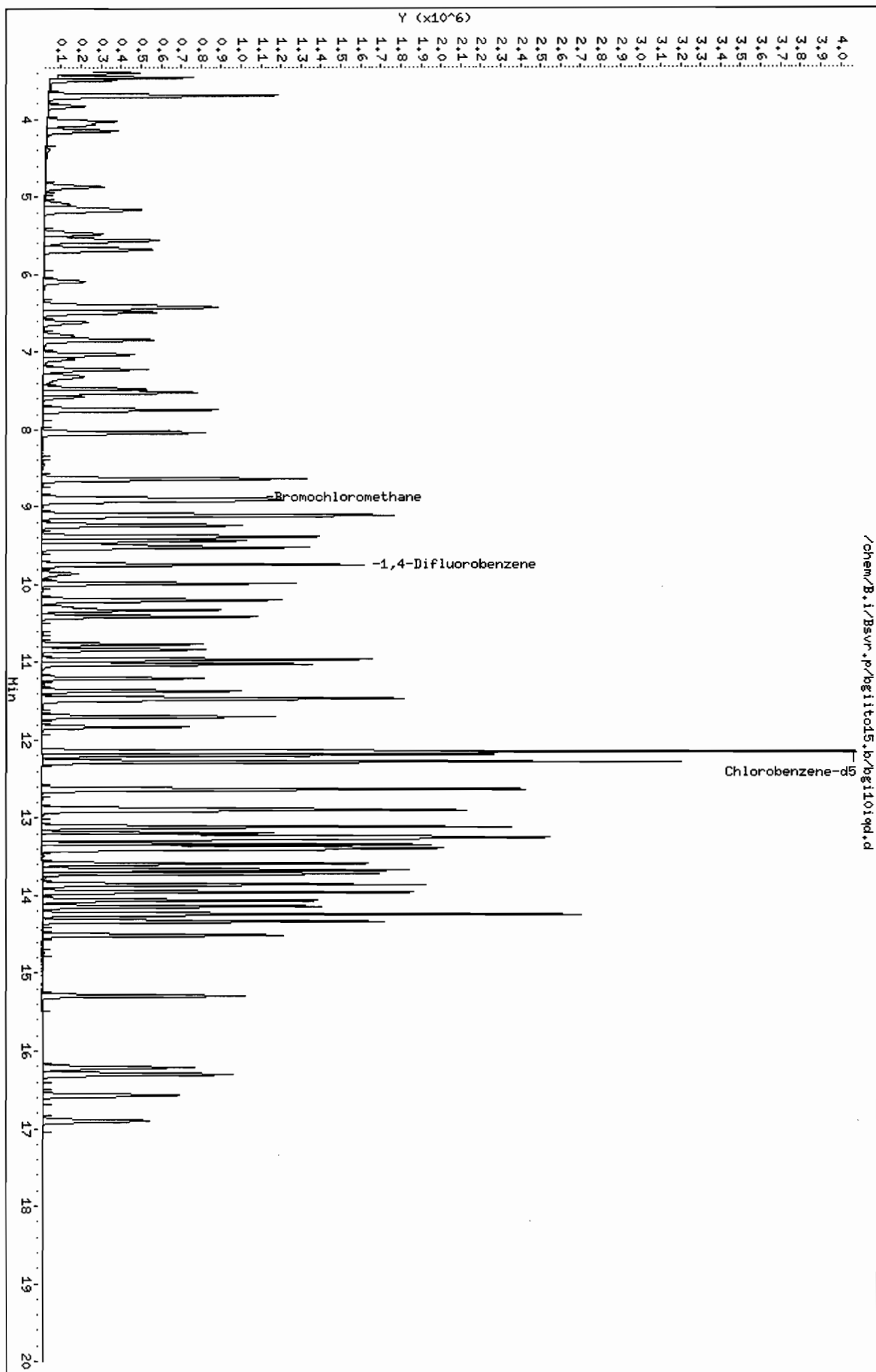
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg) PPBV	Q
75-01-4-----	Vinyl Chloride	11	_____
75-35-4-----	1,1-Dichloroethene	11	_____
156-60-5-----	trans-1,2-Dichloroethene	11	_____
540-59-0-----	1,2-Dichloroethene (total)	22	_____
156-59-2-----	cis-1,2-Dichloroethene	11	_____
79-01-6-----	Trichloroethene	9.8	_____
127-18-4-----	Tetrachloroethene	8.1	_____

FORM I VOA

Data File: /chem/B.i/Bsyr.p/bg1to15.b/bg1to1qd.d
Date : 12-DEC-2007 16:28
Client ID: B4121207LCSD
Sample Info:
Purge Volume: 200.0
Column phase: RTX-624

Instrument: B.i
Operator: urd
Column diameter: 0.32



Data File: /chem/B.i/Bsvr.p/bgiito15.b/bgi10iqd.d
Report Date: 13-Dec-2007 13:45

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TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/B.i/Bsvr.p/bgiito15.b/bgi10iqd.d
Lab Smp Id: BA121207LCSD Client Smp ID: BA121207LCSD
Inj Date : 12-DEC-2007 16:28
Operator : wrd Inst ID: B.i
Smp Info :
Misc Info : BA121207LCSD;121207BA;1;200
Comment :
Method : /chem/B.i/Bsvr.p/bgiito15.b/rto15.m
Meth Date : 13-Dec-2007 13:45 sv Quant Type: ISTD
Cal Date : 29-NOV-2007 09:21 Cal File: bgi05v2.d
Als bottle: 2 QC Sample: LCSD
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ROUX1_Ocean.sub
Target Version: 3.50
Processing Host: chemsvr6

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

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

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN (ppbv)	FINAL (ppbv)
4 Vinyl Chloride	62	4.073	4.068	(0.458)	311756	11.2778	11	
11 1,1-Dichloroethene	96	6.496	6.491	(0.731)	322233	11.4979	11	
19 trans-1,2-Dichloroethene	61	7.521	7.521	(0.846)	474366	11.0776	11	
M 22 1,2-Dichloroethene (total)	61				832900	22.2149	22	
24 cis-1,2-Dichloroethene	96	8.653	8.647	(0.973)	358534	11.1373	11	
* 25 Bromochloromethane	128	8.893	8.893	(1.000)	269675	10.0000	(Q)	
* 35 1,4-Difluorobenzene	114	9.747	9.747	(1.000)	1349494	10.0000		
36 Trichloroethene	95	9.987	9.987	(1.025)	437962	9.84595	9.8	
46 Tetrachloroethene	166	11.465	11.465	(0.943)	501401	8.10241	8.1	
* 50 Chlorobenzene-d5	117	12.154	12.154	(1.000)	1385268	10.0000		

QC Flag Legend

Q - Qualifier signal failed the ratio test.



Sample Preparation – TO-15 Volatile

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: ROB KOVACS		Samples Collected By: THOMAS KOWACE (ROW)		1 of 2 COCs													
Company: ROW ASSOCIATES, INC	Phone: 631-232-2600	Email: rkovacs@rowinc.com																	
Address: 204 SHAFER ST																			
City/State/Zip: ISLANDIA, NY 11749																			
Phone: 631-232-2600																			
FAX: 631-232-9898																			
Project Name: GEN CHEM																			
Site: OCEANSIDE, NY																			
PO #																			
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	TO-14A	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)
VS-DCF	12/6/07	0833	1653	-30	-7	3979	3487												
VS-MRE		0855	1645	-30	-4	3723	4295												
DUP-120607		0900	1645	-30	-4	3171	4363												
VS-DCR		0907	1710	-30	-6	3852	4542												
1AQ-B00K		0920	1728	-30	-45	3737	4428								X				
VS-B00K	✓	0932	1732	-30	-6	2580	4100										X		
Special Instructions/QC Requirements & Comments: Please Analyze samples for 1,1-dichloroethene; Cis-1,2-Dichloroethene; Trans-1,2-Dichloroethene; 1,2-Dichloroethene (total); Tetrachloroethene; Trichloroethene; and Vinyl Chloride using method TO-15. All results must have a Detection Limit of 1 ug/m ³ or less and please provide NYSDEC Asl Category B Deliverable. (2-week TAT)																			
Samples Shipped by: AL KURT (ROW)		Date/Time: 12/6/07		Samples Received by: [Signature]		Date/Time: 12/7/07 0935													
Samples Relinquished by:		Date/Time:		Received by:		Date/Time:													
Relinquished by:		Date/Time:		Received by:		Date/Time:													
Lab Use Only				Shipped Name:				Opened by:				Condition:							

TestAmerica Burlington

30 Community Drive

Suite 11

South Burlington, VT 05403

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

Canister Samples Chain of Custody Record

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

Client Contact Information		Project Manager: ROB KOVACS		Samples Collected By: <i>INDIA KLOPAC (Kov)</i>		2 of 2 COCs																									
Company: <i>ROX ASSOCIATES INC</i>	Phone: <i>631-232-2600</i>	Email: <i>ROKOVACS@roxinc.com</i>																													
Address: <i>209 SHAFER ST</i>																															
City/State/Zip: <i>ISLANDIA NY 11744</i>																															
Phone: <i>631-232-2600</i>																															
FAX: <i>631-232-9595</i>																															
Project Name: <i>GEN CHEM 165601Y</i>																															
Site: <i>CLAMPSIDE NY</i>																															
PO #																															
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	TO-14A	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)												
IAQ-VAC	12/6/07	0945	1748	-30	-4	4515	3464								X																
VS-VAC		0959	1754	-30	-4.5	4103	4342										X														
AMB		1011	1801	-30	-4	3754	3081									X															
VS-FENCE		1027	1830	-30	-18"	3238	4288										X														
FB-120607	↓	1300	—	—	—	—	4311												X												
Temperature (Fahrenheit) <table border="1"> <tr> <td>Interior</td> <td></td> </tr> <tr> <td>Ambient</td> <td>24°F</td> </tr> <tr> <td>Stop</td> <td>30°F</td> </tr> </table> Pressure (inches of Hg) <table border="1"> <tr> <td>Interior</td> <td></td> </tr> <tr> <td>Ambient</td> <td>30.24" rising</td> </tr> <tr> <td>Stop</td> <td>30.35" steady</td> </tr> </table>																				Interior		Ambient	24°F	Stop	30°F	Interior		Ambient	30.24" rising	Stop	30.35" steady
Interior																															
Ambient	24°F																														
Stop	30°F																														
Interior																															
Ambient	30.24" rising																														
Stop	30.35" steady																														
Special Instructions/QC Requirements & Comments: Please Analyze samples for 1,1-Dichloroethene; Cis-1,2-Dichloroethene; Trans-1,2-Dichloroethene; 1,2-Dichloroethene (total); Tetrachloroethene; and Vinyl Chloride using method TO-15. ALL RESULTS MUST HAVE A DETECTION LIMIT of 1 µg/m³ OR LESS, and please provide NYSDEC Asp Category B Deliverable. (2-week TAT) FB-120607 is a Field Blank sample																															
Samples Shipped by: <i>RO KLOPAC (Kov)</i>		Date/Time: <i>12/6/07</i>		Samples Received by: <i>[Signature]</i>		Date/Time: <i>12/7/07 0935</i>																									
Samples Relinquished by:		Date/Time:		Received by:		Date/Time:																									
Relinquished by:		Date/Time:		Received by:		Date/Time:																									
Lab Use Only		Shipper Name:		Opened by:		Condition:																									

Air Canister Post-Sampling Pressure Check Record

Project Information	
Client:	ROUX 1
ETR:	123316
SDG:	NY 123316
Date:	12/7/7
Analyst:	JH

[illegible]

1 Reading taken during the post-canister cleaning leak test.

2 Reading taken by laboratory on receipt of the canister post-sampling.

3 The final pressure should be between -1 and -10 ("Hg), if not, initiate NCR. NCR Codes: (1) -10 to -30 ("Hg) (2) -1 to Positive ("Hg) (3) Valve Open

TestAmerica Burlington - Manual Integration Summary
SDG: bgit015

Lab Sample ID	Client Sample ID	Sample Type	Inst.	Column	Analysis Date	Filename
	Peak RT	Compound			Manual Integration Flag	

ASTD0002	ASTD0002	INIT. CALIB.	B RTX-624	28-NOV-2007 19:24	BGI002V2
	10.211	1,2-Dichloropropane		MI2 - Peak missed	

SV 11/30/07
KLP 11/30/07

GC/MS INSTRUMENT RUN LOG

Sequence			Standard Traceability			Instrument Information			Instrument Performance Checks										
Batch ID: B6-TJ			CAL STD Lot #			Instrument ID: B			☐ Tune STD ☐ RF Summary										
Test Method: T057			ISTD Lot #:			Instrument: 5973			☐ Internal Standard Response										
ICAL Date: 11/28/07			ICV / LCS Lot #			Column Type: RTX-624			☐ RT & Ratios Updated										
Start Date: 11/28/07			Time: 1032						Room Temp °C										
End Date: 11/29/07			Time: 1032						Barometric Pressure "Hg										
Sequence Information																			
Injection Time		Lab ID / File Name		Summa Can ID		ETR		Volume (mL)		Inlet #		Dilution Factor		Operator		Individual Sample Review		Comments	
1032		B6-T-01PV		B6-T		1A		200		1		1A		VMS					
1121		B6-T-002V						200		2									
1209		B6-T-005V						200		3									
1257		B6-T-005V						200		4									
1345		B6-T-00V						200		5									AT11010706 ↓ 04
1434		B6-T-15V						200		6									AT110310702 ↓ 01
1522		B6-T-20V						200		7									
1611		B6-T-40V						200		8									
1700		B6-T-001						200		9									
1748		B6-T-002						200		10									
1836		B6-T-003						200		11									AT11010702 ↓ 01
1924		B6-T-002V2						200		12									AT11030705 ↓ 05
2012		B6-T-008V2						200		13									
0921		B6-T-005V2						200		14									
1015		B6-T-009						200		15									

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

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FAI002:05.29.07:5
TestAmerica Burlington

GC/MS INSTRUMENT RUN LOG

Sequence				Standard Traceability				Instrument Information				Instrument Performance Checks				
Batch ID: B6JH				CAL STD Lot # AT108080708				Instrument ID: B				☒ Tune STD ☐ RF Summary				
Test Method: ID-15				ISTD Lot #: AT1020814				Instrument: 5973				☐ Internal Standard Response				
ICAL Date: 11/28/07				ICV / LCS Lot # AT102080705				Column Type: RTX-624				☐ RT & Ratios Updated				
Start Date: 12/1/07				Time: 1040								Room Temp 22 °C				
End Date: 12/12/07				Time: 1040								Barometric Pressure 30.1 "Hg				
Sequence Information												Individual Sample Review			Comments	
Injection Time	Lab ID / File Name	Summa Can ID	ETR	Volume (mL)	Inlet #	Dilution Factor	Operator	Internal Standard	Result Conc.	Primary Analyst						
10:40	B6JH09PV	BFB	NA	NA	NA	NA	NJR			NJR						
11:27	B6JH10HV	CCV		200	1									3↑		
12:37	B6JH10HV2	LCS			2									4↑		
13:26	B6JH10HV2	LCS			2											
14:14	B6JH10HV2	MEK			3											
15:03	B6JH10HV2	MEK		250	3											
15:51	B6JH10HV2	MEK		200	4									C		
16:39	B6JH10HV2	MEK			5									C		
17:28	B6JH10HV2	MEK			6									C		
18:16	B6JH10HV2	MEK			7									C		
19:04	B6JH10HV2	MEK			8									C		
19:52	B6JH10HV2	MEK			9									C		
20:41	B6JH10HV2	MEK			10									C		
21:29	B6JH10HV2	MEK			11									C		
22:18	B6JH10HV2	MEK			12									C		
23:07	B6JH10HV2	MEK			13									C		
23:56	B6JH10HV2	MEK			14									C		
00:44	B6JH10HV2	MEK			15									C		
01:32	B6JH10HV2	MEK			16									C		
02:21	B6JH10HV2	MEK			17									C		
03:10	B6JH10HV2	MEK			18									C		
03:58	B6JH10HV2	MEK			19									C		
04:47	B6JH10HV2	MEK			20									C		
05:35	B6JH10HV2	MEK			21									C		
06:24	B6JH10HV2	MEK			22									C		
07:12	B6JH10HV2	MEK			23									C		
08:01	B6JH10HV2	MEK			24									C		
08:50	B6JH10HV2	MEK			25									C		

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

GC/MS INSTRUMENT RUN LOG

Sequence		Standard Traceability		Instrument Information		Instrument Performance Checks				
Batch ID:	B6II	CAL STD Lot #	AT11080708	Instrument ID:	B	☒ Tune STD	☐ RF Summary			
Test Method:	70-15	ISTD Lot #:	AT10020814	Instrument:	5973	☐ Internal Standard Response				
ICAL Date:	11/28/07	ICV/LCS Lot #	AT11020705	Column Type:	RTX-624	☐ RT & Ratios Updated				
Start Date:	12/12/07	Time:	11:19	Room Temp	22 °C	Barometric Pressure	29.6 "Hg			
End Date:	12/13/07	Time:	11:19							
Sequence Information				Individual Sample Review				Comments		
Injection Time	Lab ID / File Name	Summa Can ID	ETR	Volume (mL)	Inlet #	Dilution Factor	Operator	Internal Standard	Result Conc.	Primary Analyst
11:19	B6II10PV	BEB	NA	NA	0	NA	NJR			NJR
12:13	B6II10IV		NA	0	0	NA	NJR			
13:54	B6II10IV2			200	1	1				
14:44	B6II10IV3	CCV		200	1	1				
15:37	B6II10IV4	LCS		200	2	1				
16:28	B6II10IV5	LCS		200	2	1				
17:16	B6II10IV6	MBK		200	3	1				
18:05	B6II10IV7	MBK		250	3	1				
18:54	B6II10IV8	MBK		133	4	1.5				
19:42	B6II10IV9	MBK		250	5	0.8				
20:31	B6II10IV10	MBK		200	6	1				
21:19	B6II10IV11	MBK		200	7	1				
22:07	B6II10IV12	MBK		200	8	1				
22:56	B6II10IV13	MBK		200	9	6.0				
23:44	B6II10IV14	MBK		200	10	1				
00:37	B6II10IV15	MBK		200	11	1				
01:21	B6II10IV16	MBK		22	12	9				
02:09	B6II10IV17	MBK		200	13	10				
02:57	B6II10IV18	MBK		200	14	10				
03:46	B6II10IV19	MBK		200	15	10				
04:34	B6II10IV20	MBK		200	16	10				
05:23	B6II10IV21	MBK		200	1	10				
06:11	B6II10IV22	MBK		200	2	10				
06:59	B6II10IV23	MBK		200	3	10				
07:48	B6II10IV24	MBK		200	4	10				
08:36	B6II10IV25	MBK		20	16	10				
	B6II10IV26	MBK		20	3	10				
	B6II10IV27	MBK		20	3	10				

Legend: C=Complete R=Reanalyze = High = Low = Reviewed and Acceptable



Sample Handling

This portion can be removed for recipient's records.

Site 12/6/07 FedEx Tracking Number 863085506637

Sender's Name INDIANA KLOTZKE Phone 401 332-2400

Company EDUX ASSOCIATES

Address 209 SHAFTER ST

Dept./Floor/Suite/Room

City ISLANDIA State NY ZIP 11749-5074

Our Internal Billing Reference CCP/DEM 16876017

12/6/07 12/6/07 0935

FedEx 0004/0004 FRI - 07 DEC AA

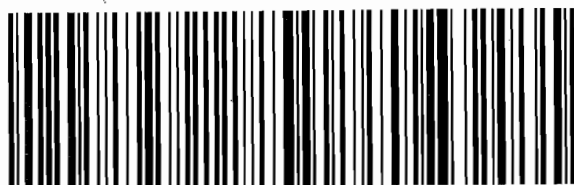
MPS#

0681 7955 0736 2699

Mstr# 8630 8550 6637 0215

ZF-BTVA

BTU
VT-US
05403



emp# 683233 06DEC07 19:44

FedEx 0002/0004 FRI - 07 DEC AA

MPS#

0681 7955 0736 2677

Mstr# 8630 8550 6637 0215

ZF-BTVA

BTU
VT-US
05403



emp# 683233 06DEC07 19:44

FedEx 0003/0004 FRI - 07 DEC AA
MPS# 0681 7955 0736 2688
Mstr# 8630 8550 6637 0215
ZF-BTVA
BTU
VT-US
05403



emp# 683233 06DEC07 19:44

Client: <u>ROUX 1</u>	Date Received: <u>12.07.07</u>	Log In Date: <u>12/7/07</u>
ETR: <u>123316</u>	Time Received: <u>0935</u>	By: <u>JEG</u>
SDG: <u>NY123316</u>	Received By: <u>JEG</u>	Signature: <u>[Signature]</u>
Project: <u>27000</u>	# Coolers Received: <u>4 boxes</u>	PM Signature: <u>[Signature]</u>
Samples Delivered By: ☒ Shipping Service ☐ Courier ☐ Hand ☐ Other (specify)		Date:
List Air bill Number(s) or Attach a photocopy of the Air Bill:		

COOLER SCREEN	YES	NO	NA	COMMENTS
There is no evidence to indicate tampering	X			
Custody seals are present and intact		X		
Custody seal numbers are present			X	
If yes, list custody seal numbers:				

Thermal Preservation Type: ☐ Wet ice ☐ Blue ice ☒ None ☐ Other (specify)							
IR Gun ID: 62		Correction Factor (CF) = 0 °C					
Cooler 1: Air	°C	Cooler 6	°C	Cooler 11	°C	Cooler 16	°C
Cooler 2:	°C	Cooler 7	°C	Cooler 12	°C	Cooler 17	°C
Cooler 3:	°C	Cooler 8	°C	Cooler 13	°C	Cooler 18	°C
Cooler 4:	°C	Cooler 9	°C	Cooler 14	°C	Cooler 19	°C
Cooler 5	°C	Cooler 10	°C	Cooler 15	°C	Cooler 20	°C

EPA Criteria: 0-6°C, except for air and geo samples which should be at ambient temperature and tissue samples, which may be frozen.

Some clients require thermal preservation criteria of 2-4°C or other such criteria. The PM must notify SM when alternate criteria is specified.

SAMPLE CONDITION	YES	NO	NA	COMMENTS
Sample containers were received intact	X			
Legible sample labels are affixed to each container	X			

CHAIN OF CUSTODY (COC)	YES	NO	NA	COMMENTS
COC is present and includes the following information for each container:				

• Sample ID / Sample Description	X			
• Date of Sample Collection	X			
• Time of Sample Collection	X			
• Identification of the Sampler	X			
• Preservation Type			X	
• Requested Tests Method(s)	X			
• Necessary Signatures	X			

Internal Chain of Custody (ICOC) Required

If yes to above, ICOC Record initiated for every Worksheet

SAMPLE INTEGRITY /USABILITY	YES	NO	NA	COMMENTS
The sample container matches the COC	X			
Appropriate sample containers were received for the tests requested	X			
Samples were received within holding time	X			
Sufficient amount of sample is provided for requested analyses	X			
VOA vials do not have headspace or a bubble >6mm (1/4" diameter)			X	
Appropriate preservatives were used for the tests requested			X	
pH of inorganic samples checked and is within method specification			X	
If no, attach Inorganic Sample pH Adjustment Form			X	

ANOMALY / NCR SUMMARY



Last Page of this Document

TestAmerica
South Burlington, VT

Extended Data Package

NY133422

September 18, 2009

Mr. Rob Kovacs
Roux Associates
209 Shafter Street
Islandia, NY 11749

Re: Laboratory Project No. 29000
Case: 29000; SDG: NY133422

Dear Mr. Kovacs:

Enclosed are the analytical results for the samples that were received by TestAmerica Burlington on September 5th, 2009. Laboratory identification numbers were assigned, and designated as follows:

<u>Lab ID</u>	<u>Client Sample ID</u>	<u>Sample Date</u>	<u>Sample Matrix</u>
Received: 09/05/09 ETR No: 133422			
805648	VS-MRE	09/04/09	AIR

Documentation of the condition of the samples at the time of their receipt and any exception to the laboratory's Sample Acceptance Policy is documented in the Sample Handling section of this submittal.

The volatile organics analysis for the sample referenced above was accomplished at dilution based on a screen analysis, which showed the presence of non-target analytes at concentrations sufficient to interfere with instrument operation at full strength.

Any reference within this report to Severn Trent Laboratories, Inc. or STL, should be understood to refer to TestAmerica Laboratories, Inc. (formerly known as Severn Trent Laboratories, Inc.) The analytical results associated with the samples presented in this test report were generated under a quality system that adheres to requirements specified in the NELAC standard. Release of the data in this test report and any associated electronic deliverables is authorized by the Laboratory Director's designee as verified by the following signature.

If there are any questions regarding this submittal, please contact me at 802 660-1990.

Sincerely,



Don Dawicki
Project Manager

**TO-14/15
Result Summary**

CLIENT SAMPLE NO.

VS-MRE

Lab Name: TAL Burlington

SDG Number: NY133422

Dilution Factor: 4.00

Sample Matrix: AIR

Lab Sample No.: 805648

Date Analyzed: 9/10/2009

Date Received: 9/5/2009

Target Compound	CAS Number	Results in ppbv	Q	RL in ppbv	Results in ug/m3	Q	RL in ug/m3
Vinyl Chloride	75-01-4	0.80	U	0.80	2.0	U	2.0
1,1-Dichloroethene	75-35-4	0.80	U	0.80	3.2	U	3.2
trans-1,2-Dichloroethene	156-60-5	0.80	U	0.80	3.2	U	3.2
cis-1,2-Dichloroethene	156-59-2	0.80	U	0.80	3.2	U	3.2
1,2-Dichloroethene (total)	540-59-0	0.80	U	0.80	3.2	U	3.2
Trichloroethene	79-01-6	9.4		0.80	51		4.3
Tetrachloroethene	127-18-4	5.5		0.80	37		5.4

TO-14/15
Result Summary

CLIENT SAMPLE NO.

CA091009LCS

Lab Name: TAL Burlington

SDG Number: NY133422

Dilution Factor: 1.00

Sample Matrix: AIR

Lab Sample No.: CA091009

Date Analyzed: 9/10/2009

Date Received: / /

Target Compound	CAS Number	Results in ppbv	Q	RL in ppbv	Results in ug/m3	Q	RL in ug/m3
Vinyl Chloride	75-01-4	11		0.20	28		0.51
1,1-Dichloroethene	75-35-4	11		0.20	44		0.79
trans-1,2-Dichloroethene	156-60-5	9.9		0.20	39		0.79
cis-1,2-Dichloroethene	156-59-2	9.7		0.20	38		0.79
1,2-Dichloroethene (total)	540-59-0	20		0.20	79		0.79
Trichloroethene	79-01-6	11		0.20	59		1.1
Tetrachloroethene	127-18-4	11		0.20	75		1.4

**TO-14/15
Result Summary**

CLIENT SAMPLE NO.

MBLK091009CA

Lab Name: TAL Burlington

SDG Number: NY133422

Dilution Factor: 1.00

Sample Matrix: AIR

Lab Sample No.: MBLK0910

Date Analyzed: 9/10/2009

Date Received: / /

Target Compound	CAS Number	Results in ppbv	Q	RL in ppbv	Results in ug/m3	Q	RL in ug/m3
Vinyl Chloride	75-01-4	0.20	U	0.20	0.51	U	0.51
1,1-Dichloroethene	75-35-4	0.20	U	0.20	0.79	U	0.79
trans-1,2-Dichloroethene	156-60-5	0.20	U	0.20	0.79	U	0.79
cis-1,2-Dichloroethene	156-59-2	0.20	U	0.20	0.79	U	0.79
1,2-Dichloroethene (total)	540-59-0	0.20	U	0.20	0.79	U	0.79
Trichloroethene	79-01-6	0.20	U	0.20	1.1	U	1.1
Tetrachloroethene	127-18-4	0.20	U	0.20	1.4	U	1.4

TestAmerica Burlington Data Qualifier Definitions

Organic

- U: Compound analyzed but not detected at a concentration above the reporting limit.
- J: Estimated value.
- N: Indicates presumptive evidence of a compound. This flag is used only for tentatively identified compounds (TICs) where the identification of a compound is based on a mass spectral library search.
- P: SW-846: The relative percent difference for detected concentrations between two GC columns is greater than 40%. Unless otherwise specified the higher of the two values is reported on the Form I.
- CLP SOW: Greater than 25% difference for detected concentrations between two GC columns. Unless otherwise specified the lower of the two values is reported on the Form I.
- C: Pesticide result whose identification has been confirmed by GC/MS.
- B: Analyte is found in the sample and the associated method blank. The flag is used for tentatively identified compounds as well as positively identified compounds.
- E: Compounds whose concentrations exceed the upper limit of the calibration range of the instrument for that specific analysis.
- D: Concentrations identified from analysis of the sample at a secondary dilution.
- A: Tentatively identified compound is a suspected aldol condensation product.
- X,Y,Z: Laboratory defined flags that may be used alone or combined, as needed. If used, the description of the flag is defined in the project narrative.

Inorganic/Metals

- E: Reported value is estimated due to the presence of interference.
- N: Matrix spike sample recovery is not within control limits.
- * Duplicate sample analysis is not within control limits.
- B: The result reported is less than the reporting limit but greater than the instrument detection limit.
- U: Analyte was analyzed for but not detected above the reporting limit.

Method Codes:

- P ICP-AES
MS ICP-MS
CV Cold Vapor AA
AS Semi-Automated Spectrophotometric



Chain of Custody

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: Rob Kovacs		Samples Collected By: Jessica Collins		f of 1 COCs	
Company: Roux Associates		Phone: 631-232-2606		EPA 25C			
Address: 209 Shaker St		Email: rkovacs@rouxinc.com		EPA 3C			
City/State/Zip: Islandia, NY 11749		Site Contact: Rob Kovacs		TO-14A			
Phone: 631-232-2606		TA Contact: Ron		TO-15			
FAX: 631-232-2898							
Project Name: Basser Kaufman (GenChem)		Analysis Turnaround Time		Canister ID		Other (Please specify in notes section)	
Site: Oceanside, NY		Standard (Specify) 2 WEEK		Flow Controller ID		Sample Type	
PO #		Rush (Specify)		ID		Other (Please specify in notes section)	
Sample Identification		Sample Date(s)	Time Start	Time Stop	Canister Vacuum In Field, "Hg (Start)	Canister Vacuum In Field, "Hg (Stop)	Canister ID
VS-MRE	9/4/09 0804	1557	-30	-5.5	3101	3138	
Returning 3 unused Summus, and 3 unused Regulators		Temperature (Fahrenheit) Interior Ambient 75°F 83°F Pressure (Inches of Hg) Interior Ambient 30.22 falling 30.07 falling					
Special Instructions/QC Requirements & Comments: Please analyze samples for 1,1-Dichloroethene, Cis-1,2-Dichloroethene, Trans-1,2-Dichloroethene, 1,2-Dichloroethane (total), trichloroethene, and vinyl chloride using method TO-15. All results must have a detection limit of 1ug/m³ or less, and provide NYS DEC ASP Cak Yong B Deliverable. (TWO WEEK TAT)							
Samples Shipped by: [Signature]		Date/Time: 9/4/09 1630		Samples Received by: [Signature]		Date/Time: 9/15/09 1010	
Samples Relinquished by:		Date/Time:		Received by:		Date/Time:	
Relinquished by:		Date/Time:		Received by:		Date/Time:	

Lab Use Only

Shipper Name:

Opened by:

Condition:



QC Summary – TO-15 Volatile

FORM 3
AIR VOLATILE LAB CONTROL SAMPLE

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: NY133422

Matrix Spike - Sample No.: CA091009LCS

COMPOUND	SPIKE ADDED (ppbv)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ppbv)	LCS % REC #	QC. LIMITS REC.
=====	=====	=====	=====	=====	=====
Vinyl Chloride	10		11	110	70-130
1,1-Dichloroethene	10		11	110	70-130
trans-1,2-Dichloroethen	10		9.9	99	70-130
cis-1,2-Dichloroethene	10		9.7	97	70-130
1,2-Dichloroethene (tot	20		20	100	70-130
Trichloroethene	10		11	110	70-130
Tetrachloroethene	10		11	110	70-130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 0 outside limits

Spike Recovery: 0 out of 7 outside limits

COMMENTS: _____

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

MBLK091009CA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: NY133422

Lab File ID: CILB010 Lab Sample ID: MBLK091009CA

Date Analyzed: 09/10/09 Time Analyzed: 1002

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

Instrument ID: C

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
	=====	=====	=====	=====
01	CA091009LCS	CA091009LCS	CIL100Q	0914
02	VS-MRE	805648	805648D	1820
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
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21				
22				
23				
24				
25				
26				
27				
28				
29				
30				

COMMENTS:

FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TESTAMERICA BURLINGTON Contract: 29000
Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: NY133422
Lab File ID: CIL01PV BFB Injection Date: 08/23/09
Instrument ID: C BFB Injection Time: 2305
GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	21.1
75	30.0 - 66.0% of mass 95	51.9
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 120.0% of mass 95	88.6
175	4.0 - 9.0% of mass 174	6.5 (7.3)1
176	93.0 - 101.0% of mass 174	86.1 (97.1)1
177	5.0 - 9.0% of mass 176	5.7 (6.6)2

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

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	ASTD0002	ASTD0002	CIL002V	08/24/09	0234
02	ASTD0005	ASTD0005	CIL005V	08/24/09	0322
03	ASTD005	ASTD005	CIL05V	08/24/09	0410
04	ASTD010	ASTD010	CIL10V	08/24/09	0500
05	ASTD015	ASTD015	CIL15V	08/24/09	0548
06	ASTD020	ASTD020	CIL20V	08/24/09	0637
07	ASTD040	ASTD040	CIL40V	08/24/09	0725
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TESTAMERICA BURLINGTON Contract: 29000
Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: NY133422
Lab File ID: CIL17PV BFB Injection Date: 09/10/09
Instrument ID: C BFB Injection Time: 0739
GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	22.3
75	30.0 - 66.0% of mass 95	56.2
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.0
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 120.0% of mass 95	85.1
175	4.0 - 9.0% of mass 174	6.3 (7.4)1
176	93.0 - 101.0% of mass 174	82.7 (97.1)1
177	5.0 - 9.0% of mass 176	5.5 (6.7)2

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

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	ASTD010	ASTD010	CIL100V	09/10/09	0826
02	CA091009LCS	CA091009LCS	CIL100Q	09/10/09	0914
03	MBLK091009CA	MBLK091009CA	CILB010	09/10/09	1002
04	VS-MRE	805648	805648D	09/10/09	1820
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

FORM 8
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000
 Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: NY133422
 Lab File ID (Standard): CIL100V Date Analyzed: 09/10/09
 Instrument ID: C Time Analyzed: 0826
 GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

	IS1 (BCM)		IS2 (DFB)		IS3 (CBZ)	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
=====	=====	=====	=====	=====	=====	=====
12 HOUR STD	521626	9.93	2763401	11.36	2320581	15.46
UPPER LIMIT	730276	10.26	3868761	11.69	3248813	15.79
LOWER LIMIT	312976	9.60	1658041	11.03	1392349	15.13
=====	=====	=====	=====	=====	=====	=====
CLIENT						
SAMPLE NO.						
=====	=====	=====	=====	=====	=====	=====
01 CA091009LCS	503880	9.93	2657938	11.36	2230025	15.46
02 MBLK091009CA	484484	9.93	2736086	11.36	2436275	15.46
03 VS-MRE	467809	9.93	2518848	11.36	2076990	15.46
04						
05						
06						
07						
08						
09						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						

IS1 (BCM) = Bromochloromethane
 IS2 (DFB) = 1,4-Difluorobenzene
 IS3 (CBZ) = Chlorobenzene-d5

AREA UPPER LIMIT = + 40% of internal standard area
 AREA LOWER LIMIT = - 40% of internal standard area
 RT UPPER LIMIT = + 0.33 minutes of internal standard RT
 RT LOWER LIMIT = - 0.33 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
 * Values outside of QC limits.



Supportive Documentation – TO-15 Volatile

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

ROUX1 SAMPLE NO.

VS-MRE

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: NY133422

Matrix: (soil/water) AIR Lab Sample ID: 805648

Sample wt/vol: 50.00 (g/mL) ML Lab File ID: 805648D

Level: (low/med) LOW Date Received: 09/05/09

% Moisture: not dec. Date Analyzed: 09/10/09

GC Column: RTX-624 ID: 0.32 (mm) Dilution Factor: 4.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) PPBV	Q
---------	----------	--	---

75-01-4-----	Vinyl Chloride	0.80	U
75-35-4-----	1,1-Dichloroethene	0.80	U
156-60-5-----	trans-1,2-Dichloroethene	0.80	U
156-59-2-----	cis-1,2-Dichloroethene	0.80	U
540-59-0-----	1,2-Dichloroethene (total)	0.80	U
79-01-6-----	Trichloroethene	9.4	
127-18-4-----	Tetrachloroethene	5.5	

Date : 10-SEP-2009 18:20

Client ID: VS-MRE

Sample Info: VS-MRE : I 109/04/09 01557(AIR)

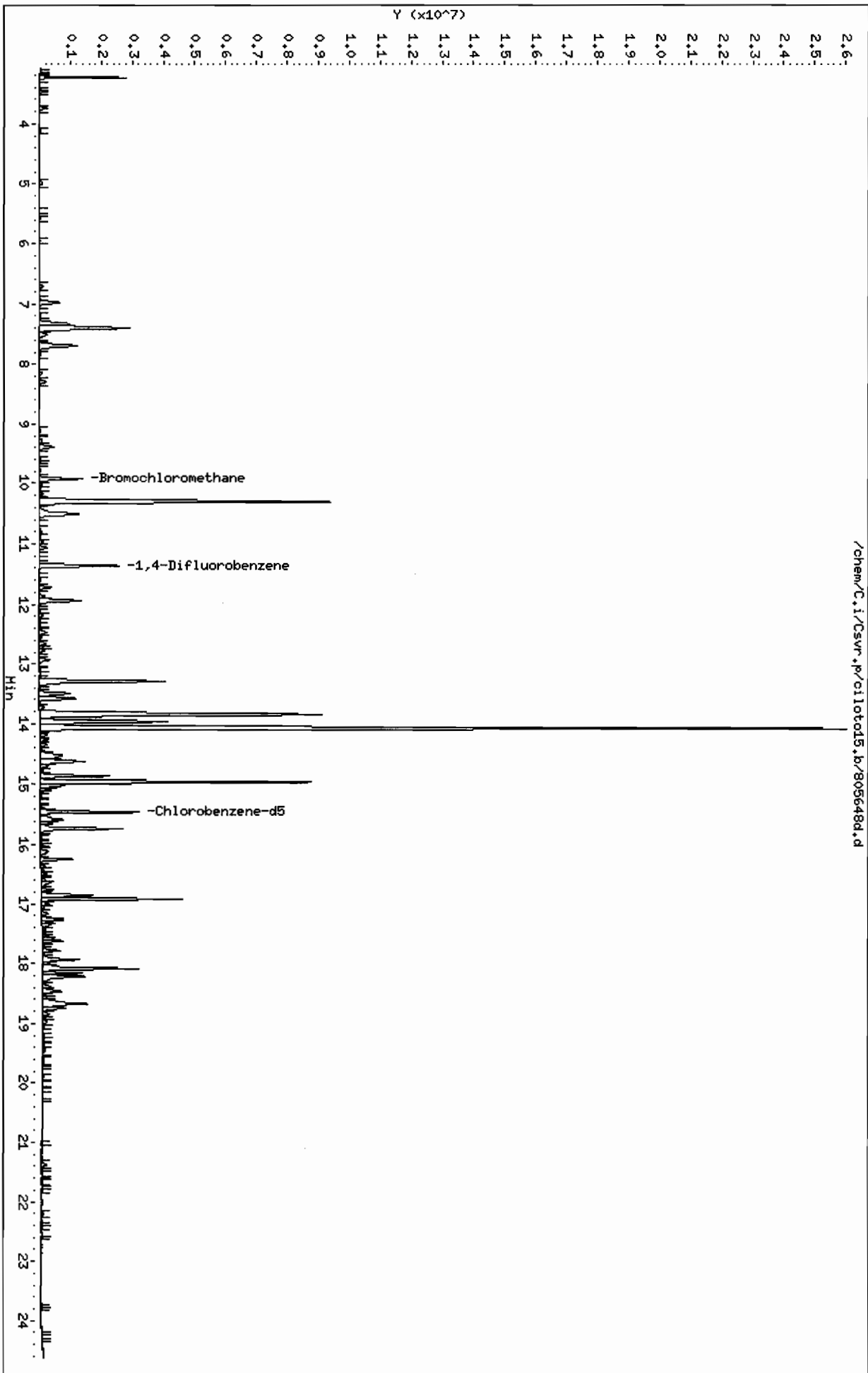
Purge Volume: 50.0

Column phase: RTX-624

Instrument: C.1

Operator: njr

Column diameter: 0.32



TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/C.i/Csvr.p/ciloto15.b/805648d.d
 Lab Smp Id: 805648 Client Smp ID: VS-MRE
 Inj Date : 10-SEP-2009 18:20
 Operator : njr Inst ID: C.i
 Smp Info : VS-MRE : [] 09/04/09 @1557(AIR)
 Misc Info : 805648;091009CA;4;50
 Comment :
 Method : /chem/C.i/Csvr.p/ciloto15.b/sto15.m
 Meth Date : 17-Sep-2009 09:50 klp Quant Type: ISTD
 Cal Date : 24-AUG-2009 07:25 Cal File: cil40v.d
 Als bottle: 13
 Dil Factor: 4.00000
 Integrator: HP RTE Compound Sublist: ROUX1_OCEAN.sub
 Target Version: 3.50
 Processing Host: chemsvr6

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

Name	Value	Description
DF	4.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	50.00000	Sample Volume purged (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN (ppbv)	FINAL (ppbv)
6 Vinyl Chloride		62						
18 1,1-Dichloroethene		96						
27 trans-1,2-Dichloroethene		61						
31 cis-1,2-Dichloroethene		96						
* 32 Bromochloromethane		128	9.927	9.948	(1.000)	467809	10.0000	(Q)
M 40 1,2-Dichloroethene (total)		61						
* 43 1,4-Difluorobenzene		114	11.357	11.379	(1.000)	2518848	10.0000	
45 Trichloroethene		95	11.720	11.736	(1.032)	144726	2.35521	9.4
57 Tetrachloroethene		166	14.266	14.282	(0.923)	102567	1.38652	5.5
* 61 Chlorobenzene-d5		117	15.456	15.472	(1.000)	2076990	10.0000	

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Date : 10-SEP-2009 18:20

Client ID: VS-MRE

Instrument: C.i

Sample Info: VS-MRE :[109/04/09 01557(AIR)

Purge Volume: 50.0

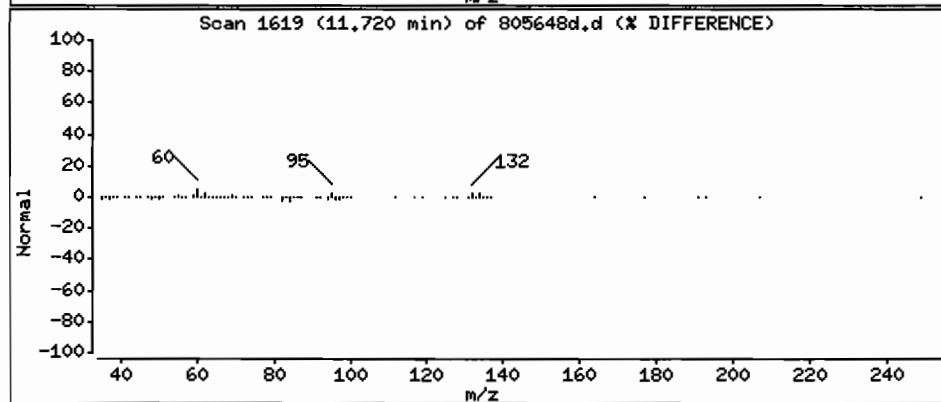
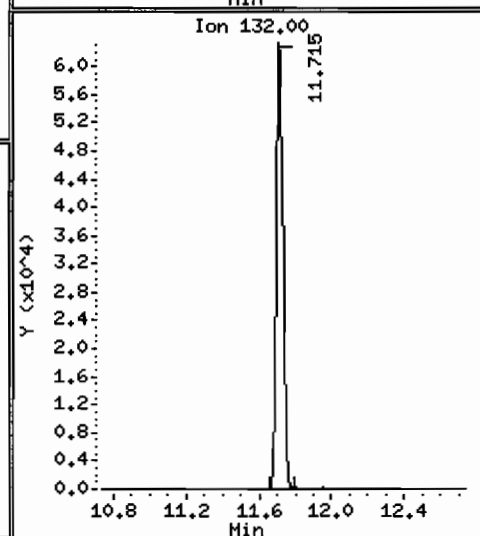
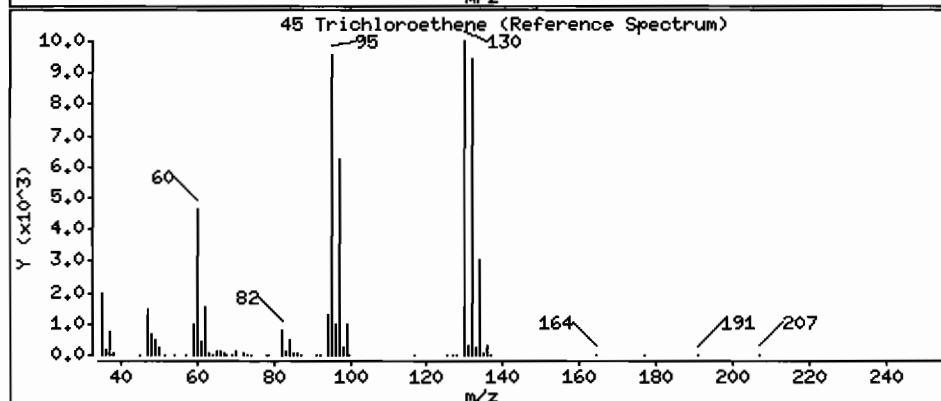
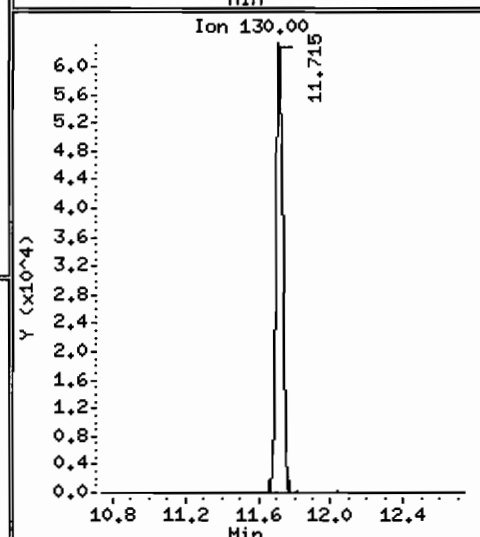
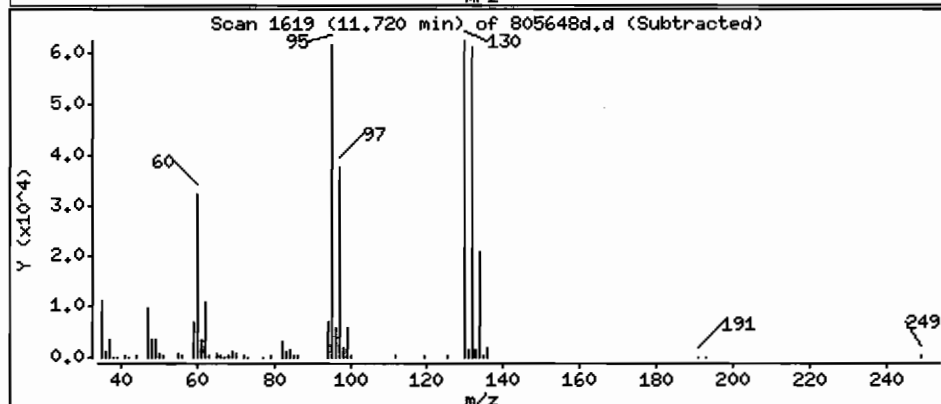
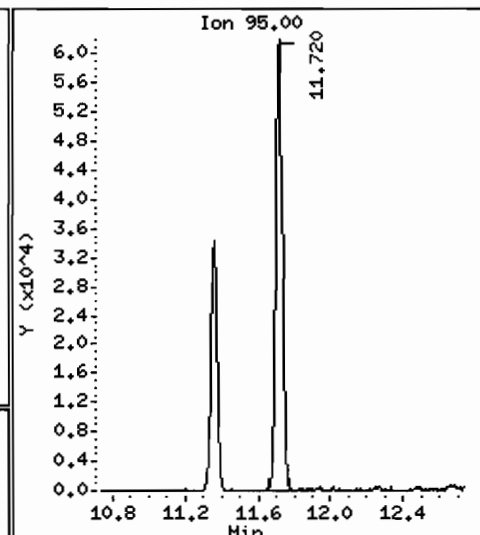
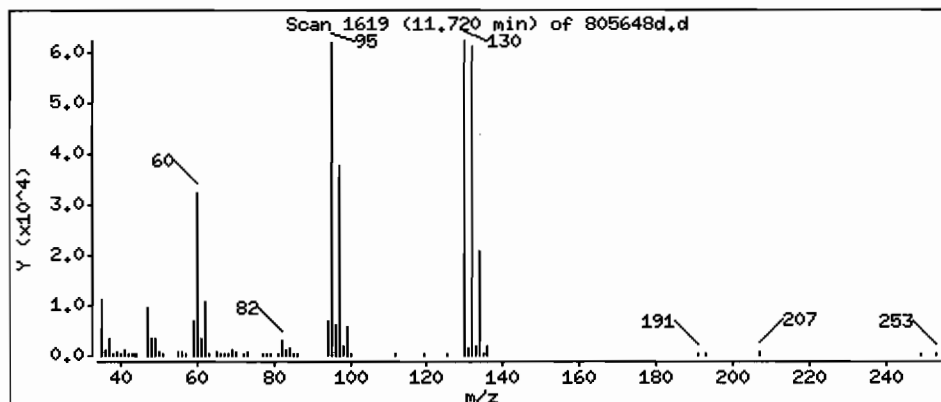
Operator: njr

Column phase: RTX-624

Column diameter: 0.32

45 Trichloroethene

Concentration: 9.4 ppbv



Date : 10-SEP-2009 18:20

Client ID: VS-MRE

Instrument: C.i

Sample Info: VS-MRE ;[109/04/09 @1557(AIR)

Purge Volume: 50.0

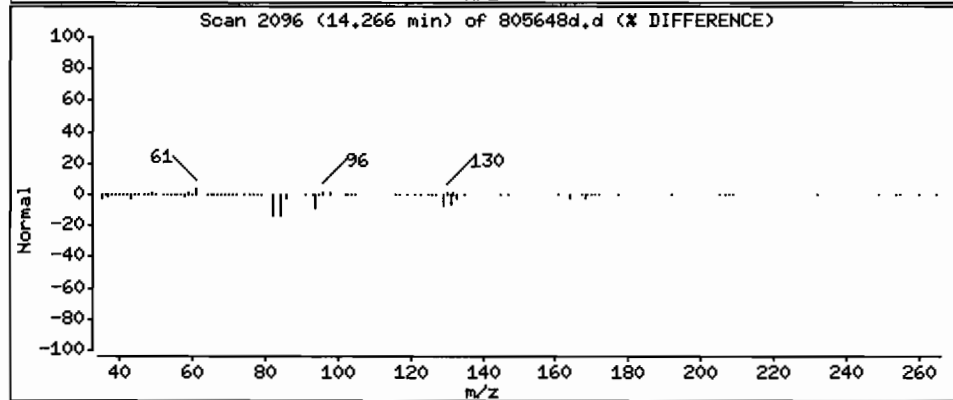
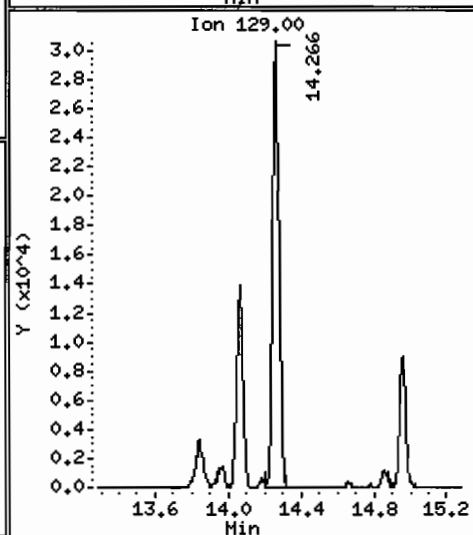
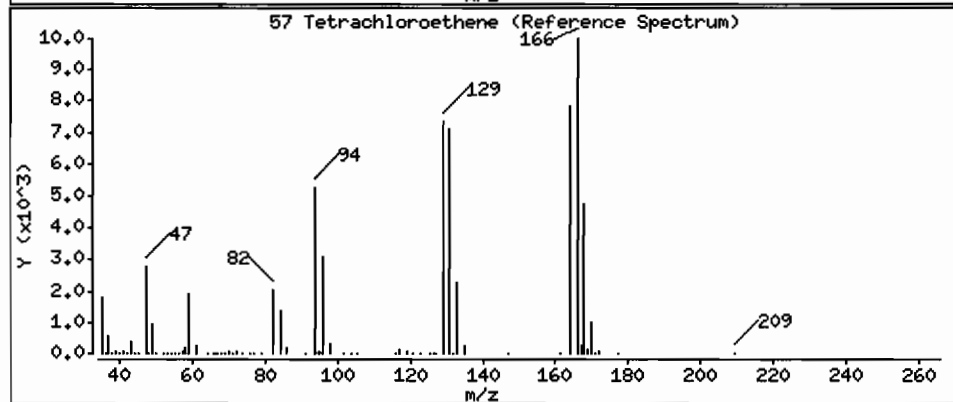
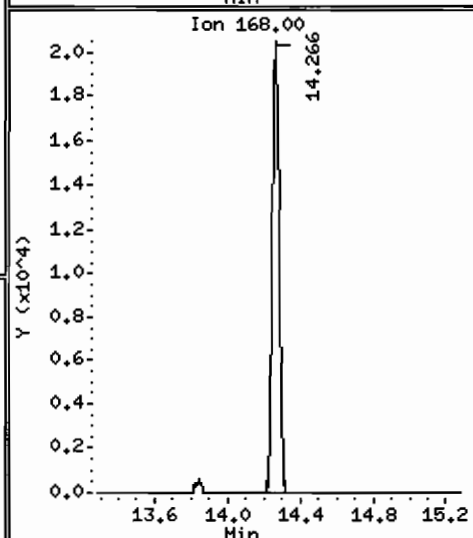
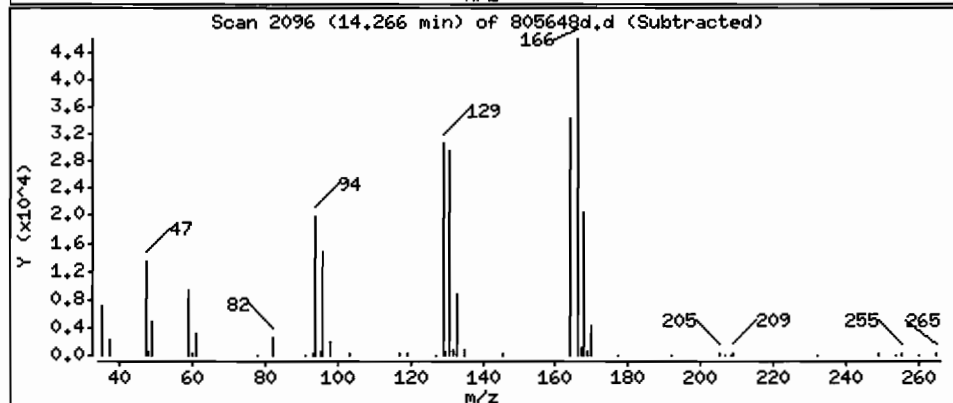
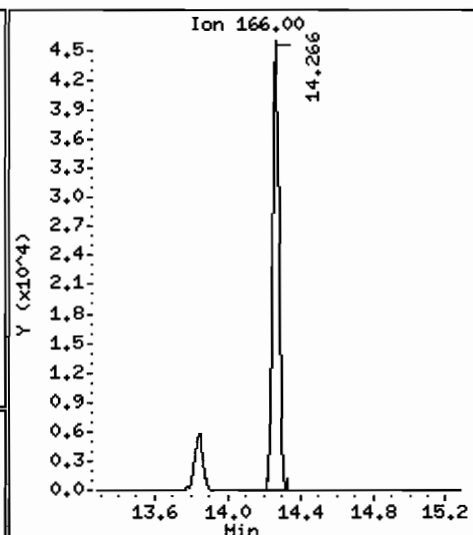
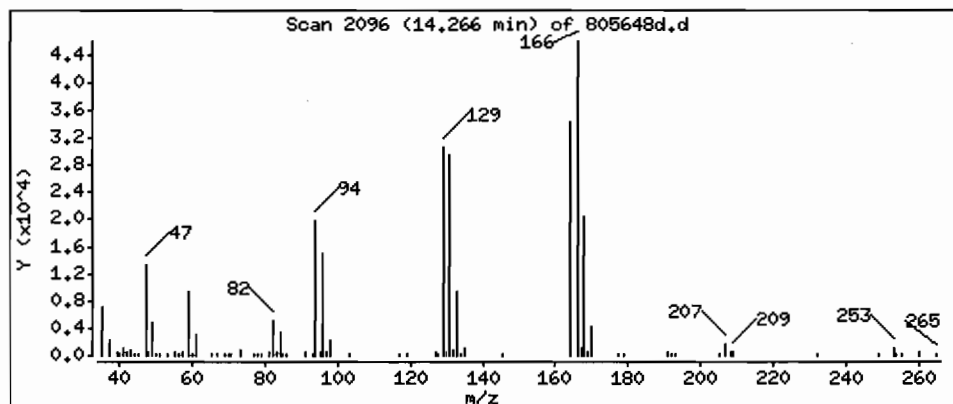
Operator: njr

Column phase: RTX-624

Column diameter: 0.32

57 Tetrachloroethene

Concentration: 5.5 ppbv





Standards – TO-15 Volatile

Data File: /chem/C.i/Csvr.p/polltd5.b/ci1002v.d

Date : 24-AUG-2009 02:34

Client ID: ASTD0002

Sample Info:

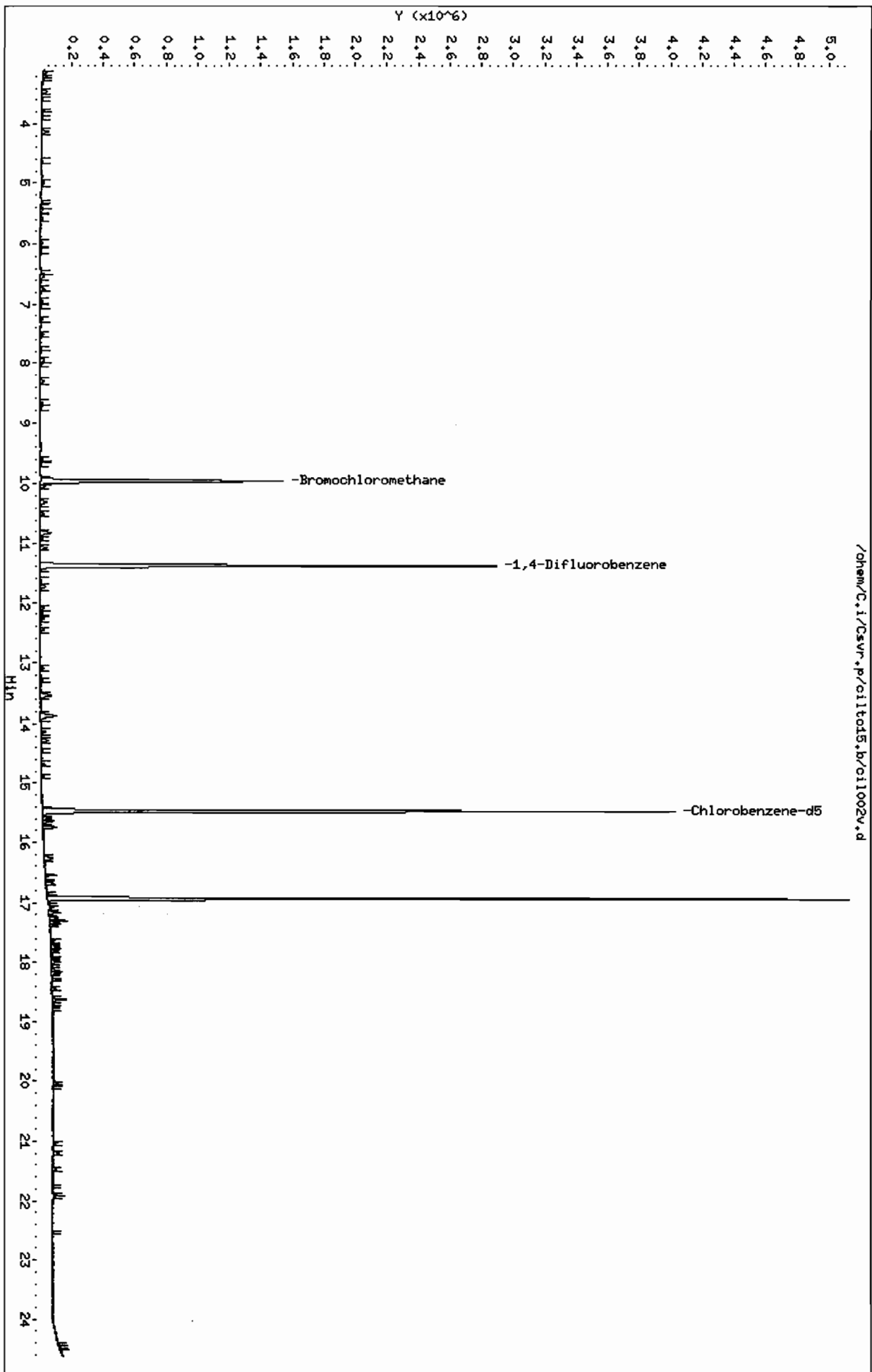
Purge Volume: 200.0

Column phase: RTX-624

Instrument: C.i

Operator: njr

Column diameter: 0.32



TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/C.i/Csvr.p/cilto15.b/cil002v.d
Lab Smp Id: ASTD0002 Client Smp ID: ASTD0002
Inj Date : 24-AUG-2009 02:34
Operator : njr Inst ID: C.i
Smp Info :
Misc Info : ASTD0002;082309CA;1;200
Comment :
Method : /chem/C.i/Csvr.p/cilto15.b/sto15.m
Meth Date : 27-Aug-2009 10:25 jdl Quant Type: ISTD
Cal Date : 24-AUG-2009 02:34 Cal File: cil002v.d
Als bottle: 1 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all002.sub
Target Version: 3.50
Processing Host: chemsvr6

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

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

Cpnd Variable

Local Compound Variable

Compounds	QUANT SIG	AMOUNTS					
		CAL-AMT	ON-COL				
	MASS	RT	EXP RT	REL RT	RESPONSE	(ppbv)	(ppbv)
3 1,2-Dichlorotetrafluoroethane	85	3.448	3.448	(0.347)	24982	0.20000	0.19 (a)
6 Vinyl Chloride	62	3.816	3.821	(0.384)	8967	0.20000	0.19 (a)
9 Bromomethane	94	4.633	4.633	(0.466)	8232	0.20000	0.19 (a)
11 Isopentane	43	4.985	4.996	(0.501)	11522	0.20000	0.21 (Q)
12 Bromoethene	106	5.311	5.310	(0.534)	8444	0.20000	0.19 (a)
13 Trichlorofluoromethane	101	5.423	5.433	(0.545)	24758	0.20000	0.19 (a)
15 Ethyl Ether	59	6.122	6.100	(0.615)	6000	0.20000	0.19 (a)
17 Freon TF	101	6.506	6.511	(0.654)	17589	0.20000	0.19 (a)
18 1,1-Dichloroethene	96	6.538	6.543	(0.657)	9733	0.20000	0.22 (Q)
27 trans-1,2-Dichloroethene	61	7.936	7.936	(0.798)	14802	0.20000	0.19 (a)
29 1,1-Dichloroethane	63	8.683	8.683	(0.873)	18000	0.20000	0.19 (a)
M 40 1,2-Dichloroethene (total)	61				26058	0.40000	0.41
31 cis-1,2-Dichloroethene	96	9.585	9.591	(0.964)	11256	0.20000	0.21
* 32 Bromochloromethane	128	9.948	9.948	(1.000)	504873	10.0000	
34 Chloroform	83	10.028	10.034	(1.008)	20629	0.20000	0.19 (a)

Compounds	QUANT SIG				RESPONSE	AMOUNTS	
	MASS	RT	EXP RT	REL RT		CAL-AMT (ppbv)	ON-COL (ppbv)
=====	====	==	=====	=====	=====	=====	=====
35 1,1,1-Trichloroethane	97	10.290	10.295	(0.904)	21452	0.20000	0.19 (a)
36 Cyclohexane	84	10.311	10.311	(0.906)	14160	0.20000	0.19 (a)
37 Carbon Tetrachloride	117	10.503	10.503	(0.923)	19868	0.20000	0.18 (a)
38 2,2,4-Trimethylpentane	57	10.813	10.818	(0.950)	49552	0.20000	0.19 (a)
39 Benzene	78	10.824	10.823	(0.951)	34099	0.20000	0.20
41 1,2-Dichloroethane	62	10.909	10.914	(0.959)	15467	0.20000	0.19 (a)
42 n-Heptane	43	11.074	11.074	(0.973)	20650	0.20000	0.20
* 43 1,4-Difluorobenzene	114	11.379	11.379	(1.000)	2904672	10.0000	
45 Trichloroethene	95	11.736	11.736	(1.031)	13407	0.20000	0.19 (a)
47 1,2-Dichloropropane	63	12.088	12.094	(1.062)	11856	0.20000	0.20
49 Dibromomethane	174	12.275	12.270	(1.079)	10109	0.20000	0.18 (a)
50 Bromodichloromethane	83	12.446	12.451	(1.094)	18094	0.20000	0.16 (a)
51 cis-1,3-Dichloropropene	75	13.081	13.081	(1.150)	17173	0.20000	0.19 (a)
M 70 Xylene (total)	106				43388	0.20000	0.52
54 Toluene	92	13.519	13.519	(0.874)	24151	0.20000	0.20
53 n-Octane	43	13.535	13.540	(1.189)	26090	0.20000	0.20
55 trans-1,3-Dichloropropene	75	13.866	13.866	(1.219)	17179	0.20000	0.21
56 1,1,2-Trichloroethane	83	14.127	14.132	(0.913)	9796	0.20000	0.19 (a)
57 Tetrachloroethene	166	14.282	14.282	(0.923)	17493	0.20000	0.19 (a)
59 Dibromochloromethane	129	14.682	14.682	(0.949)	14124	0.20000	0.15 (a)
60 1,2-Dibromoethane	107	14.885	14.885	(0.962)	15131	0.20000	0.17 (a)
* 61 Chlorobenzene-d5	117	15.472	15.472	(1.000)	2649885	10.0000	
62 Chlorobenzene	112	15.515	15.509	(1.003)	30037	0.20000	0.21
63 Ethylbenzene	91	15.595	15.595	(1.008)	39906	0.20000	0.19 (a)
84 Nonane	57	15.648	15.648	(1.011)	22658	0.20000	0.20
64 Xylene (m,p)	106	15.744	15.744	(1.018)	28981	0.40000	0.36 (a)
65 Xylene (o)	106	16.262	16.262	(1.051)	14407	0.20000	0.17 (a)
66 Styrene	104	16.283	16.283	(1.052)	16447	0.20000	0.15 (a)
67 Bromoform	173	16.561	16.555	(1.070)	11696	0.20000	0.16 (a)
68 Cumene	105	16.683	16.683	(1.078)	39653	0.20000	0.17 (a)
69 1,1,2,2-Tetrachloroethane	83	17.078	17.078	(1.104)	18651	0.20000	0.17 (a)
72 n-Propylbenzene	91	17.169	17.169	(1.110)	42791	0.20000	0.16 (a)
74 4-Ethyltoluene	105	17.297	17.297	(1.118)	36352	0.20000	0.17 (a)
76 2-Chlorotoluene	91	17.324	17.324	(1.120)	37243	0.20000	0.19 (a)
75 1,3,5-Trimethylbenzene	105	17.367	17.367	(1.122)	29996	0.20000	0.16 (a)
77 a-Methylstyrene	118	17.628	17.628	(1.139)	10316	0.20000	0.13 (a)
78 Tert-Butylbenzene	119	17.735	17.735	(1.146)	30405	0.20000	0.16 (a)
79 1,2,4-Trimethylbenzene	105	17.804	17.799	(1.151)	28098	0.20000	0.16 (a)
80 Sec-Butylbenzene	105	17.986	17.986	(1.162)	41673	0.20000	0.16 (a)
81 4-Isopropyltoluene	119	18.140	18.140	(1.172)	32399	0.20000	0.15 (a)
82 1,3-Dichlorobenzene	146	18.189	18.188	(1.176)	25848	0.20000	0.22
83 1,4-Dichlorobenzene	146	18.301	18.300	(1.183)	26666	0.20000	0.23
86 Benzyl Chloride	91	18.450	18.445	(1.192)	21927	0.20000	0.16 (a)
87 n-Butylbenzene	91	18.631	18.631	(1.204)	28823	0.20000	0.15 (a)
88 1,2-Dichlorobenzene	146	18.765	18.759	(1.213)	21382	0.20000	0.19 (a)
90 1,2,4-Trichlorobenzene	180	21.017	21.017	(1.358)	14485	0.20000	0.20 (a)
91 Hexachlorobutadiene	225	21.199	21.198	(1.370)	13335	0.20000	0.19 (a)

Compounds	QUANT SIG						AMOUNTS	
	MASS	RT	EXP RT	REL RT		RESPONSE	CAL-AMT (ppbv)	ON-COL (ppbv)
=====	----	==	=====	=====		=====	=====	=====
93 1,2,3-Trichlorobenzene	180	21.908	21.914	(1.416)		12253	0.20000	0.19(a)

QC Flag Legend

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

Date : 24-AUG-2009 03:22

Client ID: ASTD0005

Sample Info:

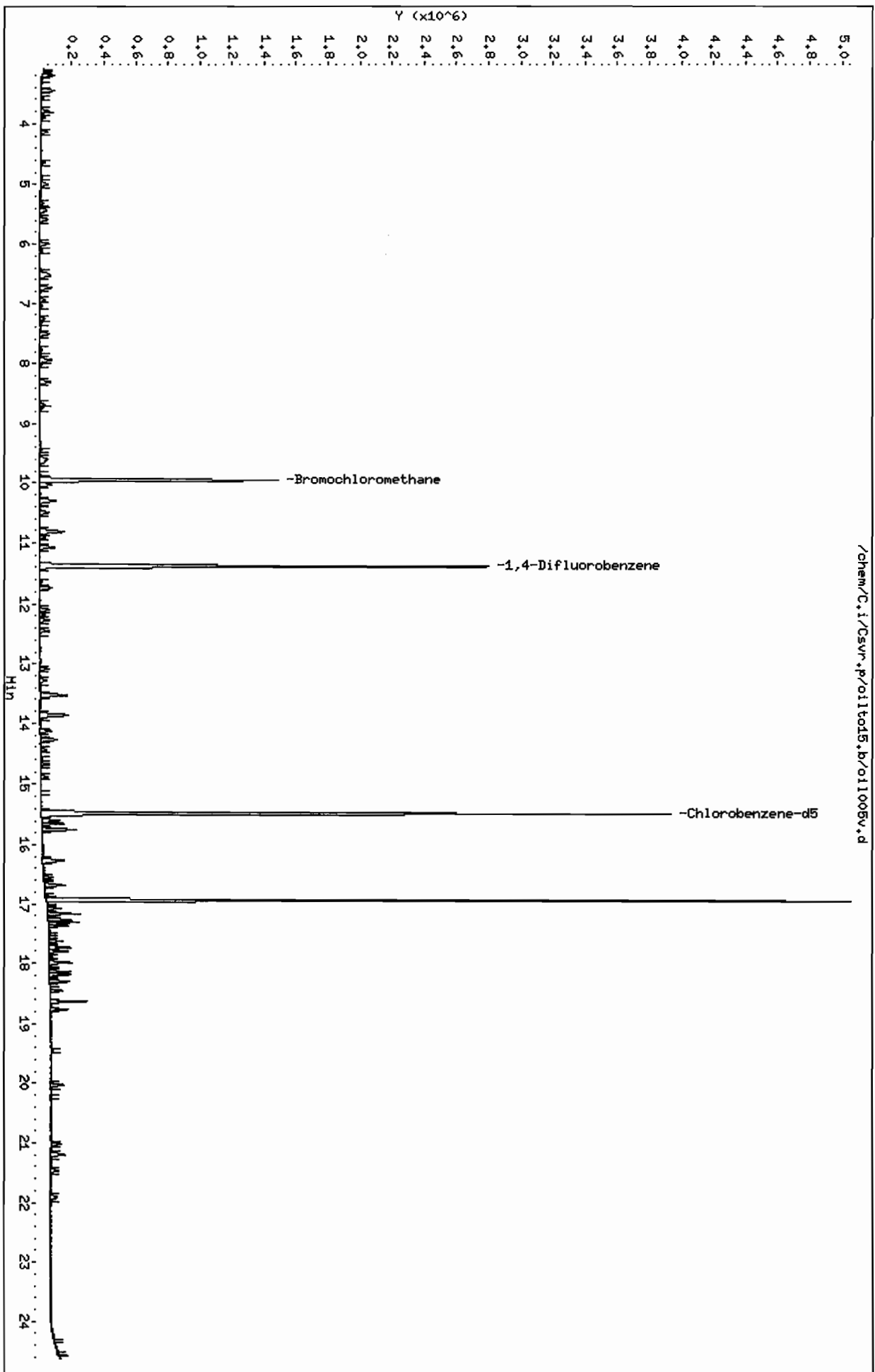
Purge Volume: 200.0

Column Phase: RTX-624

Instrument: C.i

Operator: njr

Column diameter: 0.32



TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/C.i/Csvr.p/cilto15.b/cil005v.d
Lab Smp Id: ASTD0005 Client Smp ID: ASTD0005
Inj Date : 24-AUG-2009 03:22
Operator : njr Inst ID: C.i
Smp Info :
Misc Info : ASTD0005;082309CA;1;200
Comment :
Method : /chem/C.i/Csvr.p/cilto15.b/sto15.m
Meth Date : 27-Aug-2009 10:25 jdl Quant Type: ISTD
Cal Date : 24-AUG-2009 03:22 Cal File: cil005v.d
Als bottle: 2 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all005.sub
Target Version: 3.50
Processing Host: chemsvr6

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

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

Cpnd Variable

Local Compound Variable

Compounds	QUANT SIG						AMOUNTS	
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppbv)	ON-COL (ppbv)
1 Dichlorodifluoromethane	85		3.203	3.202	(0.322)	64260	0.50000	0.54
2 Freon-22	51		3.245	3.240	(0.326)	36947	0.50000	0.51
3 1,2-Dichlorotetrafluoroethane	85		3.453	3.448	(0.347)	59257	0.50000	0.48
4 Chloromethane	50		3.581	3.576	(0.360)	21389	0.50000	0.55
5 n-Butane	43		3.790	3.784	(0.381)	48357	0.50000	0.65
6 Vinyl Chloride	62		3.822	3.821	(0.384)	21221	0.50000	0.47
7 1,3-Butadiene	54		3.907	3.902	(0.393)	14984	0.50000	0.45 (a)
9 Bromomethane	94		4.638	4.633	(0.466)	20318	0.50000	0.48
10 Chloroethane	64		4.894	4.889	(0.492)	11868	0.50000	0.48 (a)
11 Isopentane	43		4.990	4.996	(0.502)	27955	0.50000	0.52
12 Bromoethene	106		5.316	5.310	(0.534)	20018	0.50000	0.47
13 Trichlorofluoromethane	101		5.433	5.433	(0.546)	60719	0.50000	0.50
14 Pentane	43		5.583	5.583	(0.561)	48920	0.50000	0.59
15 Ethyl Ether	59		6.111	6.100	(0.614)	13838	0.50000	0.46
17 Freon TF	101		6.511	6.511	(0.655)	42005	0.50000	0.47

Compounds	QUANT SIG				RESPONSE	AMOUNTS	
	MASS	RT	EXP RT	REL RT		CAL-AMT (ppbv)	ON-COL (ppbv)
=====	=====	==	=====	=====	=====	=====	=====
18 1,1-Dichloroethene	96	6.543	6.543	(0.658)	18694	0.50000	0.44
21 Carbon Disulfide	76	6.944	6.944	(0.698)	62821	0.50000	0.47 (a)
22 3-Chloropropene	41	7.264	7.264	(0.730)	27920	0.50000	0.47 (a)
24 Methylene Chloride	49	7.515	7.515	(0.755)	42963	0.50000	0.72
26 Methyl tert-Butyl Ether	73	7.952	7.936	(0.799)	53925	0.50000	0.42 (a)
27 trans-1,2-Dichloroethene	61	7.936	7.936	(0.798)	34872	0.50000	0.48
28 n-Hexane	57	8.310	8.304	(0.835)	44507	0.50000	0.55
29 1,1-Dichloroethane	63	8.684	8.683	(0.873)	41600	0.50000	0.46
M 40 1,2-Dichloroethene (total)	61				58182	1.00000	0.93
31 cis-1,2-Dichloroethene	96	9.591	9.591	(0.964)	23310	0.50000	0.46
30 Methyl Ethyl Ketone	72	9.623	9.617	(0.967)	11520	0.50000	0.58 (Q)
* 32 Bromochloromethane	128	9.948	9.948	(1.000)	484107	10.0000	
34 Chloroform	83	10.034	10.034	(1.009)	48645	0.50000	0.47
35 1,1,1-Trichloroethane	97	10.295	10.295	(0.905)	50270	0.50000	0.45
36 Cyclohexane	84	10.306	10.311	(0.906)	33951	0.50000	0.46
37 Carbon Tetrachloride	117	10.503	10.503	(0.923)	45270	0.50000	0.43
38 2,2,4-Trimethylpentane	57	10.818	10.818	(0.951)	117977	0.50000	0.46
39 Benzene	78	10.818	10.823	(0.951)	76795	0.50000	0.47
41 1,2-Dichloroethane	62	10.914	10.914	(0.959)	36542	0.50000	0.46
42 n-Heptane	43	11.075	11.074	(0.973)	50881	0.50000	0.51
* 43 1,4-Difluorobenzene	114	11.379	11.379	(1.000)	2814981	10.0000	
45 Trichloroethene	95	11.731	11.736	(1.031)	31561	0.50000	0.46
47 1,2-Dichloropropane	63	12.094	12.094	(1.063)	26003	0.50000	0.45
46 Methyl Methacrylate	69	12.179	12.179	(1.070)	14896	0.50000	0.37 (a)
49 Dibromomethane	174	12.270	12.270	(1.078)	22402	0.50000	0.41
50 Bromodichloromethane	83	12.451	12.451	(1.094)	43803	0.50000	0.41
51 cis-1,3-Dichloropropene	75	13.087	13.081	(1.150)	39847	0.50000	0.46
M 70 Xylene (total)	106				106157	0.50000	1.3
52 Methyl Isobutyl Ketone	43	13.279	13.268	(1.167)	37501	0.50000	0.39 (a)
54 Toluene	92	13.519	13.519	(0.874)	57831	0.50000	0.48
53 n-Octane	43	13.540	13.540	(1.190)	66128	0.50000	0.51
55 trans-1,3-Dichloropropene	75	13.866	13.866	(1.219)	40054	0.50000	0.50
56 1,1,2-Trichloroethane	83	14.133	14.132	(0.913)	22311	0.50000	0.44
57 Tetrachloroethene	166	14.282	14.282	(0.923)	39453	0.50000	0.43
58 Methyl Butyl Ketone	43	14.442	14.431	(0.933)	34202	0.50000	0.39 (a)
59 Dibromochloromethane	129	14.682	14.682	(0.949)	33246	0.50000	0.37
60 1,2-Dibromoethane	107	14.885	14.885	(0.962)	36324	0.50000	0.42
* 61 Chlorobenzene-d5	117	15.472	15.472	(1.000)	2583517	10.0000	
62 Chlorobenzene	112	15.509	15.509	(1.002)	65631	0.50000	0.46
63 Ethylbenzene	91	15.595	15.595	(1.008)	96999	0.50000	0.47
84 Nonane	57	15.648	15.648	(1.011)	52329	0.50000	0.48
64 Xylene (m,p)	106	15.744	15.744	(1.018)	70363	1.00000	0.89
65 Xylene (o)	106	16.262	16.262	(1.051)	35794	0.50000	0.44
66 Styrene	104	16.283	16.283	(1.052)	42560	0.50000	0.40
67 Bromoform	173	16.561	16.555	(1.070)	26553	0.50000	0.36
68 Cumene	105	16.684	16.683	(1.078)	97929	0.50000	0.43
69 1,1,2,2-Tetrachloroethane	83	17.079	17.078	(1.104)	46558	0.50000	0.43

Compounds	QUANT SIG			REL RT	RESPONSE	AMOUNTS	
	MASS	RT	EXP RT			CAL-AMT (ppbv)	ON-COL (ppbv)
=====	----	==	=====	=====	=====	=====	=====
73 1,2,3-Trichloropropane	75	17.159	17.158	(1.109)	39114	0.50000	0.44 (a)
72 n-Propylbenzene	91	17.169	17.169	(1.110)	114903	0.50000	0.45
71 n-Decane	57	17.265	17.265	(1.116)	51555	0.50000	0.44 (a)
74 4-Ethyltoluene	105	17.297	17.297	(1.118)	91194	0.50000	0.44
76 2-Chlorotoluene	91	17.324	17.324	(1.120)	93291	0.50000	0.48
75 1,3,5-Trimethylbenzene	105	17.367	17.367	(1.122)	75766	0.50000	0.42
77 a-Methylstyrene	118	17.634	17.628	(1.140)	27905	0.50000	0.36
78 Tert-Butylbenzene	119	17.735	17.735	(1.146)	76193	0.50000	0.42
79 1,2,4-Trimethylbenzene	105	17.804	17.799	(1.151)	73647	0.50000	0.43
80 Sec-Butylbenzene	105	17.986	17.986	(1.162)	109046	0.50000	0.43
81 4-Isopropyltoluene	119	18.141	18.140	(1.172)	91702	0.50000	0.43
82 1,3-Dichlorobenzene	146	18.189	18.188	(1.176)	58321	0.50000	0.50
83 1,4-Dichlorobenzene	146	18.301	18.300	(1.183)	56374	0.50000	0.49
86 Benzyl Chloride	91	18.450	18.445	(1.192)	61602	0.50000	0.45
87 n-Butylbenzene	91	18.632	18.631	(1.204)	79467	0.50000	0.44
88 1,2-Dichlorobenzene	146	18.760	18.759	(1.212)	52231	0.50000	0.47
90 1,2,4-Trichlorobenzene	180	21.017	21.017	(1.358)	29086	0.50000	0.41 (a)
91 Hexachlorobutadiene	225	21.204	21.198	(1.370)	28103	0.50000	0.40
92 Naphthalene	128	21.471	21.471	(1.388)	56010	0.50000	0.37 (a)
93 1,2,3-Trichlorobenzene	180	21.919	21.914	(1.417)	23926	0.50000	0.39

QC Flag Legend

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

Date : 24-AUG-2009 04:10

Client ID: ASTD005

Sample Info:

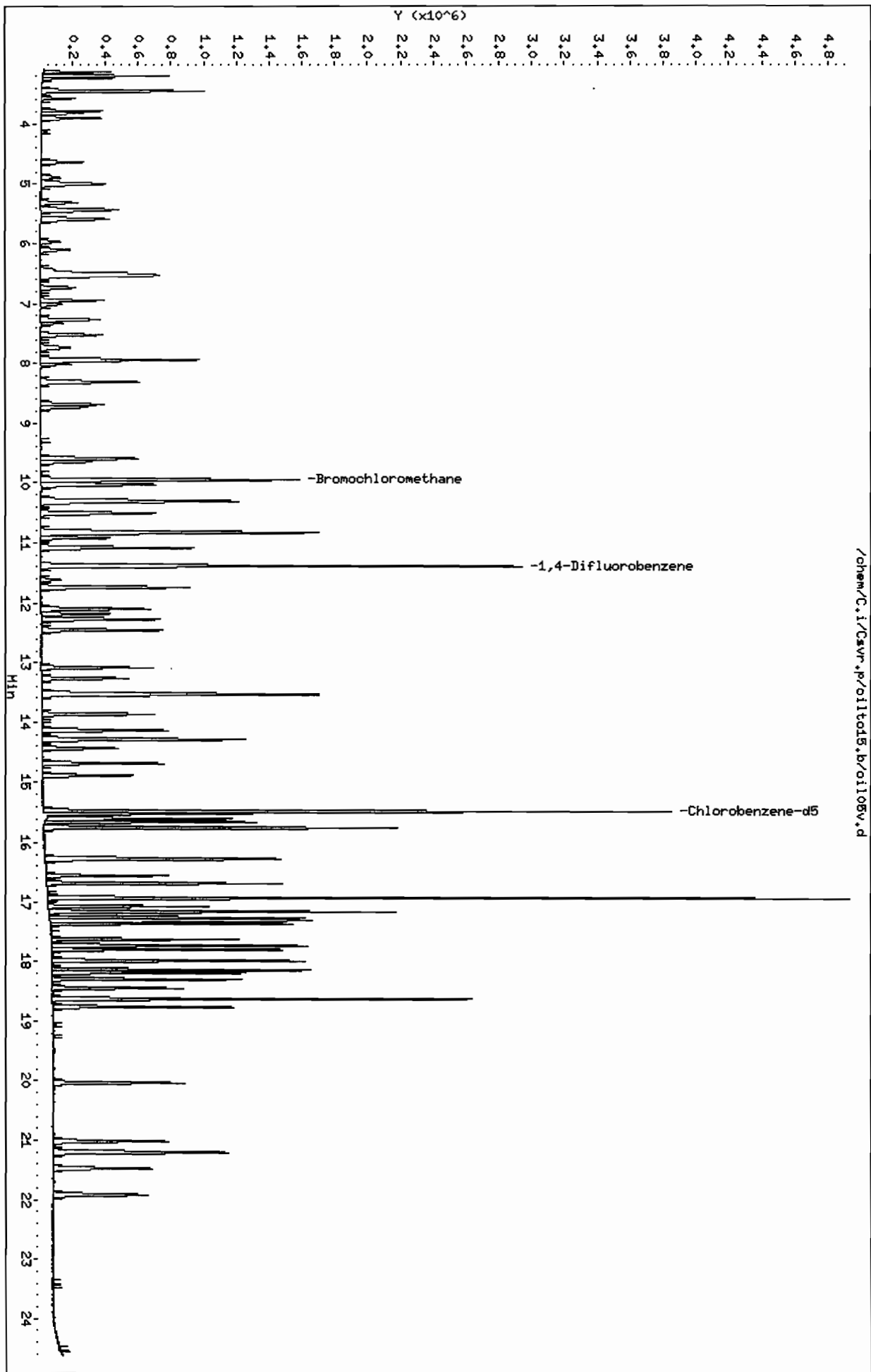
Purge Volume: 200.0

Column phase: RTX-624

Instrument: C.i

Operator: njr

Column diameter: 0.32



TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/C.i/Csvr.p/cilto15.b/cil05v.d
Lab Smp Id: ASTD005 Client Smp ID: ASTD005
Inj Date : 24-AUG-2009 04:10
Operator : njr Inst ID: C.i
Smp Info :
Misc Info : ASTD005;082309CA;1;200
Comment :
Method : /chem/C.i/Csvr.p/cilto15.b/sto15.m
Meth Date : 27-Aug-2009 10:25 jdl Quant Type: ISTD
Cal Date : 24-AUG-2009 04:10 Cal File: cil05v.d
Als bottle: 3 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

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

Cpnd Variable

Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
						CAL-AMT (ppbv)	ON-COL (ppbv)
1 Dichlorodifluoromethane	85	3.202	3.202	(0.322)	646421	5.00000	5.1
2 Freon-22	51	3.240	3.240	(0.326)	383539	5.00000	5.1
3 1,2-Dichlorotetrafluoroethane	85	3.448	3.448	(0.347)	682866	5.00000	5.2
4 Chloromethane	50	3.576	3.576	(0.359)	204109	5.00000	5.0
5 n-Butane	43	3.784	3.784	(0.380)	367960	5.00000	4.7
6 Vinyl Chloride	62	3.816	3.821	(0.384)	248236	5.00000	5.2
7 1,3-Butadiene	54	3.901	3.902	(0.392)	182594	5.00000	5.2
9 Bromomethane	94	4.633	4.633	(0.466)	228743	5.00000	5.2
10 Chloroethane	64	4.889	4.889	(0.491)	133543	5.00000	5.1
11 Isopentane	43	4.996	4.996	(0.502)	282589	5.00000	5.0
12 Bromoethene	106	5.310	5.310	(0.534)	233453	5.00000	5.2
13 Trichlorofluoromethane	101	5.428	5.433	(0.546)	664824	5.00000	5.2
14 Pentane	43	5.583	5.583	(0.561)	428240	5.00000	4.9
15 Ethyl Ether	59	6.106	6.100	(0.614)	161050	5.00000	5.1
16 Acrolein	56	6.426	6.431	(0.646)	82910	5.00000	4.9 (a)

Compounds	QUANT SIG			REL RT	RESPONSE	AMOUNTS	
	MASS	RT	EXP RT			CAL-AMT (ppbv)	ON-COL (ppbv)
=====	=====	==	=====	=====	=====	=====	=====
17 Freon TF	101	6.506	6.511	(0.654)	483304	5.00000	5.2
18 1,1-Dichloroethene	96	6.543	6.543	(0.658)	227593	5.00000	5.1
19 Acetone	43	6.735	6.735	(0.677)	386574	5.00000	5.2
21 Carbon Disulfide	76	6.944	6.944	(0.698)	725229	5.00000	5.1
20 Isopropyl Alcohol	45	7.013	7.008	(0.705)	227205	5.00000	4.9 (a)
22 3-Chloropropene	41	7.264	7.264	(0.730)	317872	5.00000	5.1
23 Acetonitrile	41	7.322	7.322	(0.736)	173383	5.00000	5.1
24 Methylene Chloride	49	7.515	7.515	(0.755)	285921	5.00000	4.5
25 tert-Butyl Alcohol	59	7.728	7.728	(0.777)	330318	5.00000	4.9 (a)
26 Methyl tert-Butyl Ether	73	7.936	7.936	(0.798)	694764	5.00000	5.1
27 trans-1,2-Dichloroethene	61	7.936	7.936	(0.798)	400606	5.00000	5.2
28 n-Hexane	57	8.304	8.304	(0.835)	421987	5.00000	4.9
29 1,1-Dichloroethane	63	8.683	8.683	(0.873)	504708	5.00000	5.3
M 40 1,2-Dichloroethene (total)	61				672746	10.0000	10
31 cis-1,2-Dichloroethene	96	9.591	9.591	(0.964)	272140	5.00000	5.1
30 Methyl Ethyl Ketone	72	9.617	9.617	(0.967)	95891	5.00000	4.6 (Q)
* 32 Bromochloromethane	128	9.948	9.948	(1.000)	510157	10.0000	
33 Tetrahydrofuran	42	10.007	10.007	(0.879)	236835	5.00000	4.8 (a)
34 Chloroform	83	10.034	10.034	(1.009)	571497	5.00000	5.3
35 1,1,1-Trichloroethane	97	10.295	10.295	(0.905)	600623	5.00000	5.3
36 Cyclohexane	84	10.316	10.311	(0.907)	391265	5.00000	5.1
37 Carbon Tetrachloride	117	10.503	10.503	(0.923)	578032	5.00000	5.3
38 2,2,4-Trimethylpentane	57	10.818	10.818	(0.951)	1359317	5.00000	5.1
39 Benzene	78	10.823	10.823	(0.951)	866604	5.00000	5.1
41 1,2-Dichloroethane	62	10.914	10.914	(0.959)	427981	5.00000	5.2
42 n-Heptane	43	11.074	11.074	(0.973)	505354	5.00000	4.9
* 43 1,4-Difluorobenzene	114	11.378	11.379	(1.000)	2909183	10.0000	
44 1-Butanol	56	11.613	11.608	(1.021)	86438	5.00000	4.7 (a)
45 Trichloroethene	95	11.736	11.736	(1.031)	370741	5.00000	5.2
47 1,2-Dichloropropane	63	12.094	12.094	(1.063)	304986	5.00000	5.1
46 Methyl Methacrylate	69	12.179	12.179	(1.070)	188096	5.00000	4.6
48 1,4-Dioxane	88	12.259	12.254	(1.077)	94297	5.00000	4.9 (a)
49 Dibromomethane	174	12.270	12.270	(1.078)	292931	5.00000	5.2
50 Bromodichloromethane	83	12.451	12.451	(1.094)	604814	5.00000	5.4
51 cis-1,3-Dichloropropene	75	13.081	13.081	(1.150)	465060	5.00000	5.2
M 70 Xylene (total)	106				1153772	5.00000	15
52 Methyl Isobutyl Ketone	43	13.268	13.268	(1.166)	468511	5.00000	4.7
54 Toluene	92	13.519	13.519	(0.874)	584726	5.00000	5.0
53 n-Octane	43	13.540	13.540	(1.190)	683938	5.00000	5.1
55 trans-1,3-Dichloropropene	75	13.871	13.866	(1.219)	415136	5.00000	5.0
56 1,1,2-Trichloroethane	83	14.132	14.132	(0.913)	256958	5.00000	5.2
57 Tetrachloroethene	166	14.282	14.282	(0.923)	479040	5.00000	5.3
58 Methyl Butyl Ketone	43	14.437	14.431	(0.933)	401582	5.00000	4.6
59 Dibromochloromethane	129	14.682	14.682	(0.949)	484176	5.00000	5.5
60 1,2-Dibromoethane	107	14.885	14.885	(0.962)	470425	5.00000	5.6
* 61 Chlorobenzene-d5	117	15.472	15.472	(1.000)	2520003	10.0000	
62 Chlorobenzene	112	15.509	15.509	(1.002)	729847	5.00000	5.3

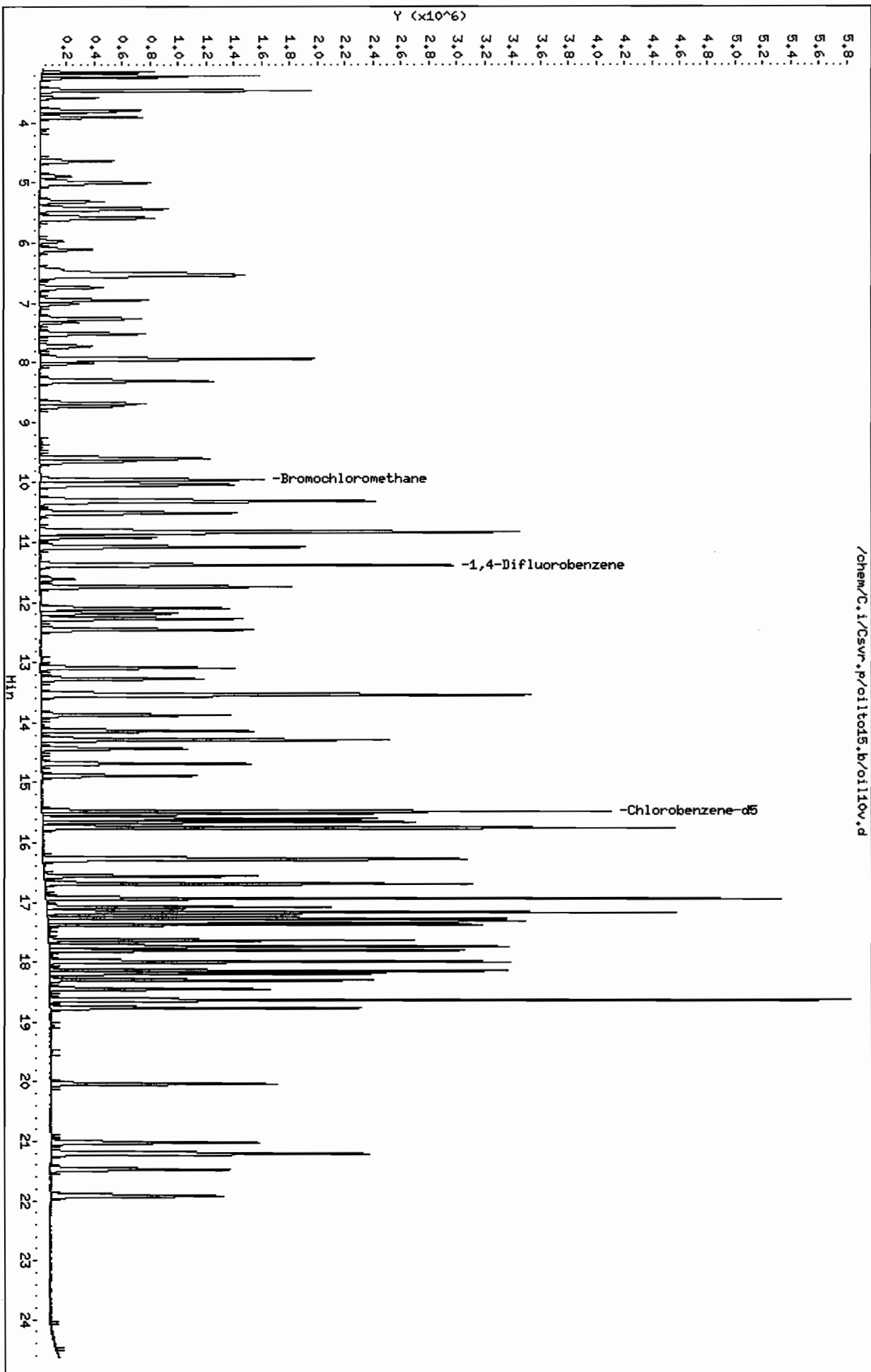
Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppbv)	ON-COL (ppbv)
=====	=====	==	=====	=====	=====	=====	=====
63 Ethylbenzene	91	15.595	15.595	(1.008)	1007550	5.00000	5.0
84 Nonane	57	15.648	15.648	(1.011)	498568	5.00000	4.7
64 Xylene (m,p)	106	15.749	15.744	(1.018)	767038	10.0000	9.9
65 Xylene (o)	106	16.262	16.262	(1.051)	386734	5.00000	4.9
66 Styrene	104	16.283	16.283	(1.052)	506348	5.00000	4.9
67 Bromoform	173	16.555	16.555	(1.070)	381438	5.00000	5.4
68 Cumene	105	16.683	16.683	(1.078)	1118573	5.00000	5.0
69 1,1,2,2-Tetrachloroethane	83	17.078	17.078	(1.104)	528821	5.00000	5.0
73 1,2,3-Trichloropropane	75	17.158	17.158	(1.109)	422546	5.00000	4.9
72 n-Propylbenzene	91	17.169	17.169	(1.110)	1229787	5.00000	5.0
71 n-Decane	57	17.265	17.265	(1.116)	557760	5.00000	4.8
74 4-Ethyltoluene	105	17.297	17.297	(1.118)	1020983	5.00000	5.0
76 2-Chlorotoluene	91	17.324	17.324	(1.120)	953088	5.00000	5.0
75 1,3,5-Trimethylbenzene	105	17.366	17.367	(1.122)	890403	5.00000	5.1
77 a-Methylstyrene	118	17.633	17.628	(1.140)	370836	5.00000	4.9
78 Tert-Butylbenzene	119	17.735	17.735	(1.146)	891630	5.00000	5.1
79 1,2,4-Trimethylbenzene	105	17.804	17.799	(1.151)	865308	5.00000	5.1
80 Sec-Butylbenzene	105	17.986	17.986	(1.162)	1276726	5.00000	5.1
81 4-Isopropyltoluene	119	18.140	18.140	(1.172)	1058775	5.00000	5.1
82 1,3-Dichlorobenzene	146	18.188	18.188	(1.176)	553233	5.00000	4.9
83 1,4-Dichlorobenzene	146	18.300	18.300	(1.183)	529943	5.00000	4.7
86 Benzyl Chloride	91	18.450	18.445	(1.192)	666747	5.00000	5.0
85 n-Undecane	57	18.626	18.626	(1.204)	529399	5.00000	4.5(a)
87 n-Butylbenzene	91	18.631	18.631	(1.204)	899419	5.00000	5.1
88 1,2-Dichlorobenzene	146	18.765	18.759	(1.213)	538780	5.00000	5.0
89 n-Dodecane	57	20.035	20.030	(1.295)	369729	5.00000	4.9(a)
90 1,2,4-Trichlorobenzene	180	21.017	21.017	(1.358)	344673	5.00000	5.0
91 Hexachlorobutadiene	225	21.204	21.198	(1.370)	355784	5.00000	5.2
92 Naphthalene	128	21.471	21.471	(1.388)	781167	5.00000	5.2
93 1,2,3-Trichlorobenzene	180	21.914	21.914	(1.416)	310468	5.00000	5.1

QC Flag Legend

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

Data File: /chem/C.i/Csvr.p/ciltot5.b/ciltov.d
Date : 24-AUG-2009 06:00
Client ID: ASTD040
Sample Info:
Purge Volume: 200.0
Column phase: RTX-624

Instrument: C.i
Operator: njr
Column diameter: 0.32



TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/C.i/Csvr.p/cilto15.b/cil10v.d
Lab Smp Id: ASTD010 Client Smp ID: ASTD010
Inj Date : 24-AUG-2009 05:00
Operator : njr Inst ID: C.i
Smp Info :
Misc Info : ASTD010;082309CA;1;200
Comment :
Method : /chem/C.i/Csvr.p/cilto15.b/sto15.m
Meth Date : 27-Aug-2009 10:25 jdl Quant Type: ISTD
Cal Date : 24-AUG-2009 05:00 Cal File: cil10v.d
Als bottle: 4 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

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

Cpnd Variable

Local Compound Variable

Compounds	QUANT SIG				AMOUNTS	
	MASS	RT	EXP RT	REL RT	CAL-AMT (ppbv)	ON-COL (ppbv)
1 Dichlorodifluoromethane	85	3.202	3.202	(0.322)	1276010	10.0000 9.9
2 Freon-22	51	3.240	3.240	(0.326)	765458	10.0000 9.9
3 1,2-Dichlorotetrafluoroethane	85	3.448	3.448	(0.347)	1370851	10.0000 10
4 Chloromethane	50	3.576	3.576	(0.359)	403575	10.0000 9.7
5 n-Butane	43	3.784	3.784	(0.380)	729086	10.0000 9.2
6 Vinyl Chloride	62	3.821	3.821	(0.384)	495714	10.0000 10
7 1,3-Butadiene	54	3.902	3.902	(0.392)	370296	10.0000 10
9 Bromomethane	94	4.633	4.633	(0.466)	465789	10.0000 10
10 Chloroethane	64	4.889	4.889	(0.491)	271949	10.0000 10
11 Isopentane	43	4.996	4.996	(0.502)	564313	10.0000 9.8
12 Bromoethene	106	5.310	5.310	(0.534)	475715	10.0000 10
13 Trichlorofluoromethane	101	5.433	5.433	(0.546)	1324849	10.0000 10
14 Pentane	43	5.583	5.583	(0.561)	856452	10.0000 9.6
15 Ethyl Ether	59	6.100	6.100	(0.613)	340858	10.0000 10
16 Acrolein	56	6.431	6.431	(0.646)	165558	10.0000 9.6

Compounds	QUANT SIG			REL RT	RESPONSE	AMOUNTS	
	MASS	RT	EXP RT			CAL-AMT (ppbv)	ON-COL (ppbv)
=====	====	==	=====	=====	=====	=====	=====
17 Freon TF	101	6.511	6.511	(0.654)	975120	10.0000	10
18 1,1-Dichloroethene	96	6.543	6.543	(0.658)	461332	10.0000	10
19 Acetone	43	6.735	6.735	(0.677)	812227	10.0000	11
21 Carbon Disulfide	76	6.944	6.944	(0.698)	1482666	10.0000	10
20 Isopropyl Alcohol	45	7.008	7.008	(0.704)	493598	10.0000	10
22 3-Chloropropene	41	7.264	7.264	(0.730)	644638	10.0000	10
23 Acetonitrile	41	7.322	7.322	(0.736)	359252	10.0000	10
24 Methylene Chloride	49	7.515	7.515	(0.755)	574847	10.0000	9.0
25 tert-Butyl Alcohol	59	7.728	7.728	(0.777)	707036	10.0000	10
26 Methyl tert-Butyl Ether	73	7.936	7.936	(0.798)	1474226	10.0000	11
27 trans-1,2-Dichloroethene	61	7.936	7.936	(0.798)	815571	10.0000	10
28 n-Hexane	57	8.304	8.304	(0.835)	862421	10.0000	9.9
29 1,1-Dichloroethane	63	8.683	8.683	(0.873)	1017283	10.0000	10
M 40 1,2-Dichloroethene (total)	61				1370201	20.0000	20
31 cis-1,2-Dichloroethene	96	9.591	9.591	(0.964)	554630	10.0000	10
30 Methyl Ethyl Ketone	72	9.617	9.617	(0.967)	208944	10.0000	9.7
* 32 Bromochloromethane	128	9.948	9.948	(1.000)	520236	10.0000	
33 Tetrahydrofuran	42	10.007	10.007	(0.879)	500478	10.0000	10
34 Chloroform	83	10.034	10.034	(1.009)	1152110	10.0000	10
35 1,1,1-Trichloroethane	97	10.295	10.295	(0.905)	1201810	10.0000	10
36 Cyclohexane	84	10.311	10.311	(0.906)	793906	10.0000	10
37 Carbon Tetrachloride	117	10.503	10.503	(0.923)	1174321	10.0000	11
38 2,2,4-Trimethylpentane	57	10.818	10.818	(0.951)	2792066	10.0000	10
39 Benzene	78	10.823	10.823	(0.951)	1755031	10.0000	10
41 1,2-Dichloroethane	62	10.914	10.914	(0.959)	862761	10.0000	10
42 n-Heptane	43	11.074	11.074	(0.973)	1031154	10.0000	9.9
* 43 1,4-Difluorobenzene	114	11.379	11.379	(1.000)	2966374	10.0000	
44 1-Butanol	56	11.608	11.608	(1.020)	182245	10.0000	9.8
45 Trichloroethene	95	11.736	11.736	(1.031)	744982	10.0000	10
47 1,2-Dichloropropane	63	12.094	12.094	(1.063)	622599	10.0000	10
46 Methyl Methacrylate	69	12.179	12.179	(1.070)	435023	10.0000	10
48 1,4-Dioxane	88	12.254	12.254	(1.077)	201916	10.0000	10
49 Dibromomethane	174	12.270	12.270	(1.078)	605830	10.0000	11
50 Bromodichloromethane	83	12.451	12.451	(1.094)	1248415	10.0000	11
51 cis-1,3-Dichloropropene	75	13.081	13.081	(1.150)	949510	10.0000	10
M 70 Xylene (total)	106				2425621	10.0000	29
52 Methyl Isobutyl Ketone	43	13.268	13.268	(1.166)	1053294	10.0000	10
54 Toluene	92	13.519	13.519	(0.874)	1232672	10.0000	10
53 n-Octane	43	13.540	13.540	(1.190)	1375134	10.0000	10
55 trans-1,3-Dichloropropene	75	13.866	13.866	(1.219)	845649	10.0000	10
56 1,1,2-Trichloroethane	83	14.132	14.132	(0.913)	526546	10.0000	10
57 Tetrachloroethene	166	14.282	14.282	(0.923)	963116	10.0000	10
58 Methyl Butyl Ketone	43	14.431	14.431	(0.933)	905838	10.0000	9.8
59 Dibromochloromethane	129	14.682	14.682	(0.949)	1000696	10.0000	11
60 1,2-Dibromoethane	107	14.885	14.885	(0.962)	943433	10.0000	11
* 61 Chlorobenzene-d5	117	15.472	15.472	(1.000)	2675645	10.0000	
62 Chlorobenzene	112	15.509	15.509	(1.002)	1444465	10.0000	9.8

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppbv)	ON-COL (ppbv)
-----	----	==	=====	=====	=====	=====	-----
63 Ethylbenzene	91	15.595	15.595	(1.008)	2102177	10.0000	9.7
84 Nonane	57	15.648	15.648	(1.011)	1039649	10.0000	9.3
64 Xylene (m,p)	106	15.744	15.744	(1.018)	1603531	20.0000	20
65 Xylene (o)	106	16.262	16.262	(1.051)	822090	10.0000	9.8
66 Styrene	104	16.283	16.283	(1.052)	1121641	10.0000	10
67 Bromoform	173	16.555	16.555	(1.070)	786021	10.0000	10
68 Cumene	105	16.683	16.683	(1.078)	2384962	10.0000	10
69 1,1,2,2-Tetrachloroethane	83	17.078	17.078	(1.104)	1130225	10.0000	10
73 1,2,3-Trichloropropane	75	17.158	17.158	(1.109)	889610	10.0000	9.7
72 n-Propylbenzene	91	17.169	17.169	(1.110)	2633982	10.0000	10
71 n-Decane	57	17.265	17.265	(1.116)	1168475	10.0000	9.6
74 4-Ethyltoluene	105	17.297	17.297	(1.118)	2187643	10.0000	10
76 2-Chlorotoluene	91	17.324	17.324	(1.120)	1948454	10.0000	9.7
75 1,3,5-Trimethylbenzene	105	17.367	17.367	(1.122)	1917318	10.0000	10
77 a-Methylstyrene	118	17.628	17.628	(1.139)	851559	10.0000	11
78 Tert-Butylbenzene	119	17.735	17.735	(1.146)	1889566	10.0000	10
79 1,2,4-Trimethylbenzene	105	17.799	17.799	(1.150)	1837188	10.0000	10
80 Sec-Butylbenzene	105	17.986	17.986	(1.162)	2725941	10.0000	10
81 4-Isopropyltoluene	119	18.140	18.140	(1.172)	2267833	10.0000	10
82 1,3-Dichlorobenzene	146	18.188	18.188	(1.176)	1112464	10.0000	9.2
83 1,4-Dichlorobenzene	146	18.300	18.300	(1.183)	1081128	10.0000	9.1
86 Benzyl Chloride	91	18.445	18.445	(1.192)	1346679	10.0000	9.5
85 n-Undecane	57	18.626	18.626	(1.204)	1184209	10.0000	9.5
87 n-Butylbenzene	91	18.631	18.631	(1.204)	1936382	10.0000	10
88 1,2-Dichlorobenzene	146	18.759	18.759	(1.212)	1099987	10.0000	9.6
89 n-Dodecane	57	20.030	20.030	(1.295)	748621	10.0000	9.3
90 1,2,4-Trichlorobenzene	180	21.017	21.017	(1.358)	729446	10.0000	10
91 Hexachlorobutadiene	225	21.198	21.198	(1.370)	744033	10.0000	10
92 Naphthalene	128	21.471	21.471	(1.388)	1693456	10.0000	11
93 1,2,3-Trichlorobenzene	180	21.914	21.914	(1.416)	674393	10.0000	11

Data File: /chem/C.i/Csvr.p/oilto15.b/oil15v.d

Date : 24-AUG-2009 05:48

Client ID: ASTD015

Sample Info:

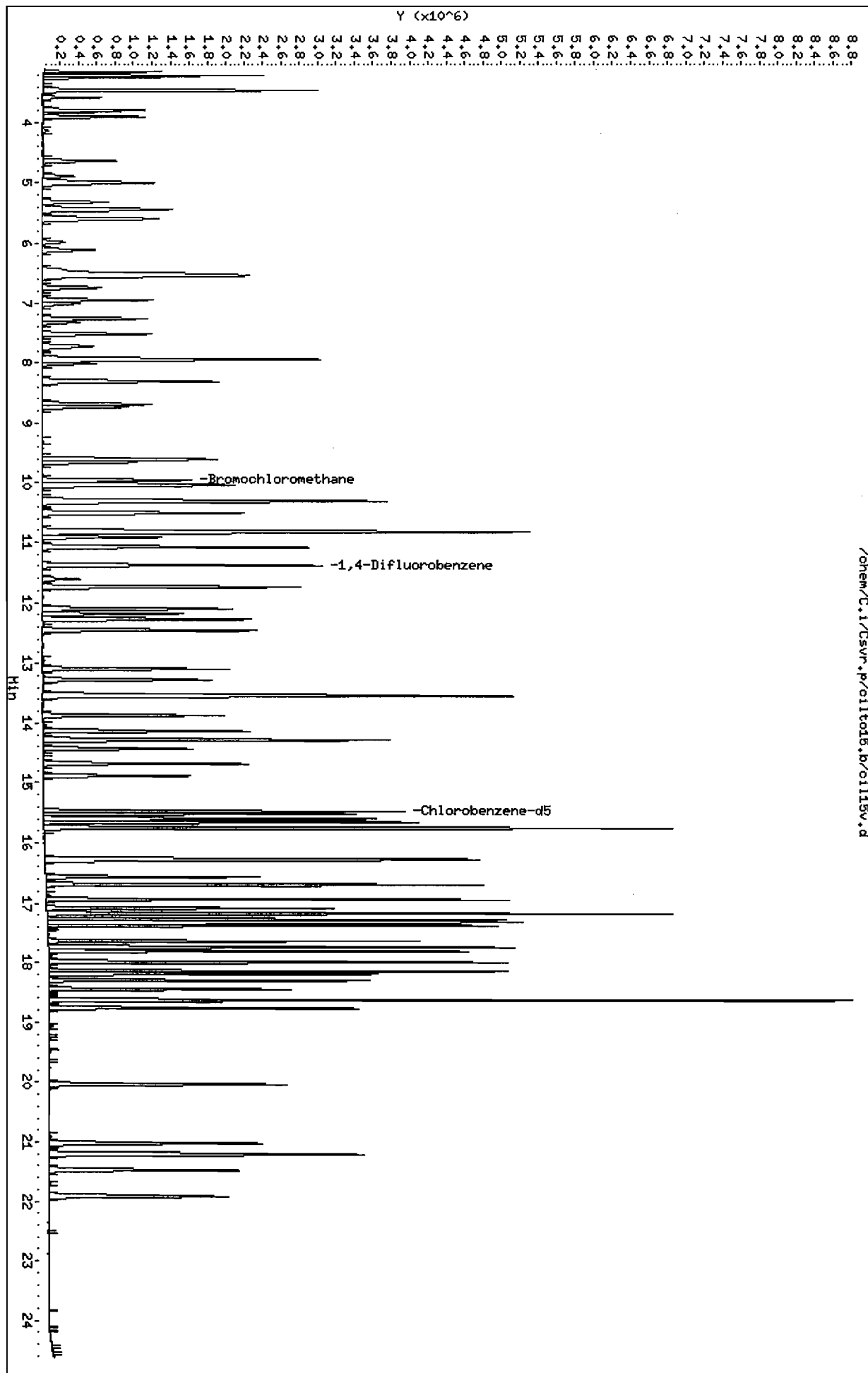
Purge Volume: 200.0

Column phase: RTX-624

Instrument: C.i

Operator: njr

Column diameter: 0.32



TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/C.i/Csvr.p/cilto15.b/cil15v.d
 Lab Smp Id: ASTD015 Client Smp ID: ASTD015
 Inj Date : 24-AUG-2009 05:48
 Operator : njr Inst ID: C.i
 Smp Info :
 Misc Info : ASTD015;082309CA;1;200
 Comment :
 Method : /chem/C.i/Csvr.p/cilto15.b/sto15.m
 Meth Date : 27-Aug-2009 10:25 jdl Quant Type: ISTD
 Cal Date : 24-AUG-2009 05:48 Cal File: cil15v.d
 Als bottle: 5 Calibration Sample, Level: 6
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: 3.50
 Processing Host: chemsvr6

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

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

Cpnd Variable

Local Compound Variable

Compounds	QUANT SIG				AMOUNTS		
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppbv)	ON-COL (ppbv)
1 Dichlorodifluoromethane	85	3.202	3.202	(0.322)	1949854	15.0000	15
2 Freon-22	51	3.240	3.240	(0.325)	1187871	15.0000	15
3 1,2-Dichlorotetrafluoroethane	85	3.453	3.448	(0.347)	2085630	15.0000	15
4 Chloromethane	50	3.576	3.576	(0.359)	619752	15.0000	15
5 n-Butane	43	3.784	3.784	(0.380)	1135529	15.0000	14
6 Vinyl Chloride	62	3.822	3.821	(0.384)	769514	15.0000	16
7 1,3-Butadiene	54	3.907	3.902	(0.392)	568440	15.0000	16
9 Bromomethane	94	4.633	4.633	(0.465)	718774	15.0000	16
10 Chloroethane	64	4.889	4.889	(0.491)	424666	15.0000	16
11 Isopentane	43	4.996	4.996	(0.502)	876621	15.0000	15
12 Bromoethene	106	5.311	5.310	(0.534)	738241	15.0000	16
13 Trichlorofluoromethane	101	5.433	5.433	(0.546)	2031648	15.0000	15
14 Pentane	43	5.588	5.583	(0.561)	1313280	15.0000	14
15 Ethyl Ether	59	6.106	6.100	(0.613)	518529	15.0000	16
16 Acrolein	56	6.431	6.431	(0.646)	268626	15.0000	15

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppbv)	ON-COL (ppbv)
-----	----	--	-----	-----	-----	-----	-----
17 Freon TF	101	6.506	6.511	(0.654)	1515696	15.0000	16
18 1,1-Dichloroethene	96	6.543	6.543	(0.657)	717083	15.0000	15
19 Acetone	43	6.735	6.735	(0.677)	1162680	15.0000	15
21 Carbon Disulfide	76	6.949	6.944	(0.698)	2306756	15.0000	16
20 Isopropyl Alcohol	45	7.013	7.008	(0.705)	741524	15.0000	15
22 3-Chloropropene	41	7.264	7.264	(0.730)	998643	15.0000	15
23 Acetonitrile	41	7.328	7.322	(0.736)	554133	15.0000	16
24 Methylene Chloride	49	7.520	7.515	(0.756)	890766	15.0000	14
25 tert-Butyl Alcohol	59	7.728	7.728	(0.776)	1068121	15.0000	15
26 Methyl tert-Butyl Ether	73	7.942	7.936	(0.798)	2237549	15.0000	16
27 trans-1,2-Dichloroethene	61	7.942	7.936	(0.798)	1248957	15.0000	16
28 n-Hexane	57	8.310	8.304	(0.835)	1336486	15.0000	15
29 1,1-Dichloroethane	63	8.683	8.683	(0.872)	1567715	15.0000	16
M 40 1,2-Dichloroethene (total)	61				2117116	15.0000	31
31 cis-1,2-Dichloroethene	96	9.591	9.591	(0.964)	868159	15.0000	16
30 Methyl Ethyl Ketone	72	9.617	9.617	(0.966)	314542	15.0000	14
* 32 Bromochloromethane	128	9.954	9.948	(1.000)	530965	10.0000	
33 Tetrahydrofuran	42	10.007	10.007	(0.879)	766781	15.0000	15
34 Chloroform	83	10.039	10.034	(1.009)	1772287	15.0000	16
35 1,1,1-Trichloroethane	97	10.295	10.295	(0.905)	1851457	15.0000	16
36 Cyclohexane	84	10.311	10.311	(0.906)	1232435	15.0000	16
37 Carbon Tetrachloride	117	10.503	10.503	(0.923)	1816582	15.0000	16
38 2,2,4-Trimethylpentane	57	10.818	10.818	(0.951)	4303188	15.0000	16
39 Benzene	78	10.824	10.823	(0.951)	2704999	15.0000	15
41 1,2-Dichloroethane	62	10.914	10.914	(0.959)	1319945	15.0000	16
42 n-Heptane	43	11.080	11.074	(0.974)	1597347	15.0000	15
* 43 1,4-Difluorobenzene	114	11.379	11.379	(1.000)	3004520	10.0000	
44 1-Butanol	56	11.608	11.608	(1.020)	293018	15.0000	16
45 Trichloroethene	95	11.736	11.736	(1.031)	1154100	15.0000	16
47 1,2-Dichloropropane	63	12.099	12.094	(1.063)	949482	15.0000	15
46 Methyl Methacrylate	69	12.179	12.179	(1.070)	684131	15.0000	16
48 1,4-Dioxane	88	12.259	12.254	(1.077)	299719	15.0000	15
49 Dibromomethane	174	12.270	12.270	(1.078)	940734	15.0000	16
50 Bromodichloromethane	83	12.451	12.451	(1.094)	1918849	15.0000	17
51 cis-1,3-Dichloropropene	75	13.086	13.081	(1.150)	1411985	15.0000	15
M 70 Xylene (total)	106				3715992	15.0000	47
52 Methyl Isobutyl Ketone	43	13.268	13.268	(1.166)	1646118	15.0000	16
54 Toluene	92	13.519	13.519	(0.874)	1747487	15.0000	15
53 n-Octane	43	13.540	13.540	(1.190)	2056393	15.0000	15
55 trans-1,3-Dichloropropene	75	13.871	13.866	(1.219)	1251761	15.0000	15
56 1,1,2-Trichloroethane	83	14.132	14.132	(0.913)	769051	15.0000	15
57 Tetrachloroethene	166	14.282	14.282	(0.923)	1468292	15.0000	16
58 Methyl Butyl Ketone	43	14.431	14.431	(0.933)	1410138	15.0000	16
59 Dibromochloromethane	129	14.682	14.682	(0.949)	1494751	15.0000	17
60 1,2-Dibromoethane	107	14.885	14.885	(0.962)	1372049	15.0000	16
* 61 Chlorobenzene-d5	117	15.472	15.472	(1.000)	2559719	10.0000	
62 Chlorobenzene	112	15.515	15.509	(1.003)	2092858	15.0000	15

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppbv)	ON-COL (ppbv)
=====	====	==	=====	=====	=====	=====	=====
63 Ethylbenzene	91	15.595	15.595	(1.008)	3161570	15.0000	15
84 Nonane	57	15.648	15.648	(1.011)	1588690	15.0000	15
64 Xylene (m,p)	106	15.749	15.744	(1.018)	2453760	30.0000	31
65 Xylene (o)	106	16.262	16.262	(1.051)	1262232	15.0000	16
66 Styrene	104	16.283	16.283	(1.052)	1744429	15.0000	17
67 Bromoform	173	16.555	16.555	(1.070)	1199120	15.0000	17
68 Cumene	105	16.683	16.683	(1.078)	3704601	15.0000	16
69 1,1,2,2-Tetrachloroethane	83	17.078	17.078	(1.104)	1724921	15.0000	16
73 1,2,3-Trichloropropane	75	17.158	17.158	(1.109)	1340329	15.0000	15
72 n-Propylbenzene	91	17.169	17.169	(1.110)	4020937	15.0000	16
71 n-Decane	57	17.265	17.265	(1.116)	1801560	15.0000	15
74 4-Ethyltoluene	105	17.297	17.297	(1.118)	3335906	15.0000	16
76 2-Chlorotoluene	91	17.324	17.324	(1.120)	2918176	15.0000	15
75 1,3,5-Trimethylbenzene	105	17.367	17.367	(1.122)	2927435	15.0000	16
77 a-Methylstyrene	118	17.633	17.628	(1.140)	1329538	15.0000	17
78 Tert-Butylbenzene	119	17.735	17.735	(1.146)	2913560	15.0000	16
79 1,2,4-Trimethylbenzene	105	17.804	17.799	(1.151)	2808507	15.0000	16
80 Sec-Butylbenzene	105	17.991	17.986	(1.163)	4142417	15.0000	16
81 4-Isopropyltoluene	119	18.140	18.140	(1.172)	3448092	15.0000	16
82 1,3-Dichlorobenzene	146	18.188	18.188	(1.176)	1654267	15.0000	14
83 1,4-Dichlorobenzene	146	18.301	18.300	(1.183)	1602661	15.0000	14
86 Benzyl Chloride	91	18.450	18.445	(1.192)	2221870	15.0000	16
85 n-Undecane	57	18.626	18.626	(1.204)	1820163	15.0000	15
87 n-Butylbenzene	91	18.631	18.631	(1.204)	2956994	15.0000	16
88 1,2-Dichlorobenzene	146	18.765	18.759	(1.213)	1650997	15.0000	15
89 n-Dodecane	57	20.035	20.030	(1.295)	1189255	15.0000	15
90 1,2,4-Trichlorobenzene	180	21.017	21.017	(1.358)	1132144	15.0000	16
91 Hexachlorobutadiene	225	21.198	21.198	(1.370)	1124599	15.0000	16
92 Naphthalene	128	21.471	21.471	(1.388)	2698689	15.0000	18
93 1,2,3-Trichlorobenzene	180	21.914	21.914	(1.416)	1049672	15.0000	17

Date : 24-AUG-2009 06:37

Client ID: ASTD020

Sample Info:

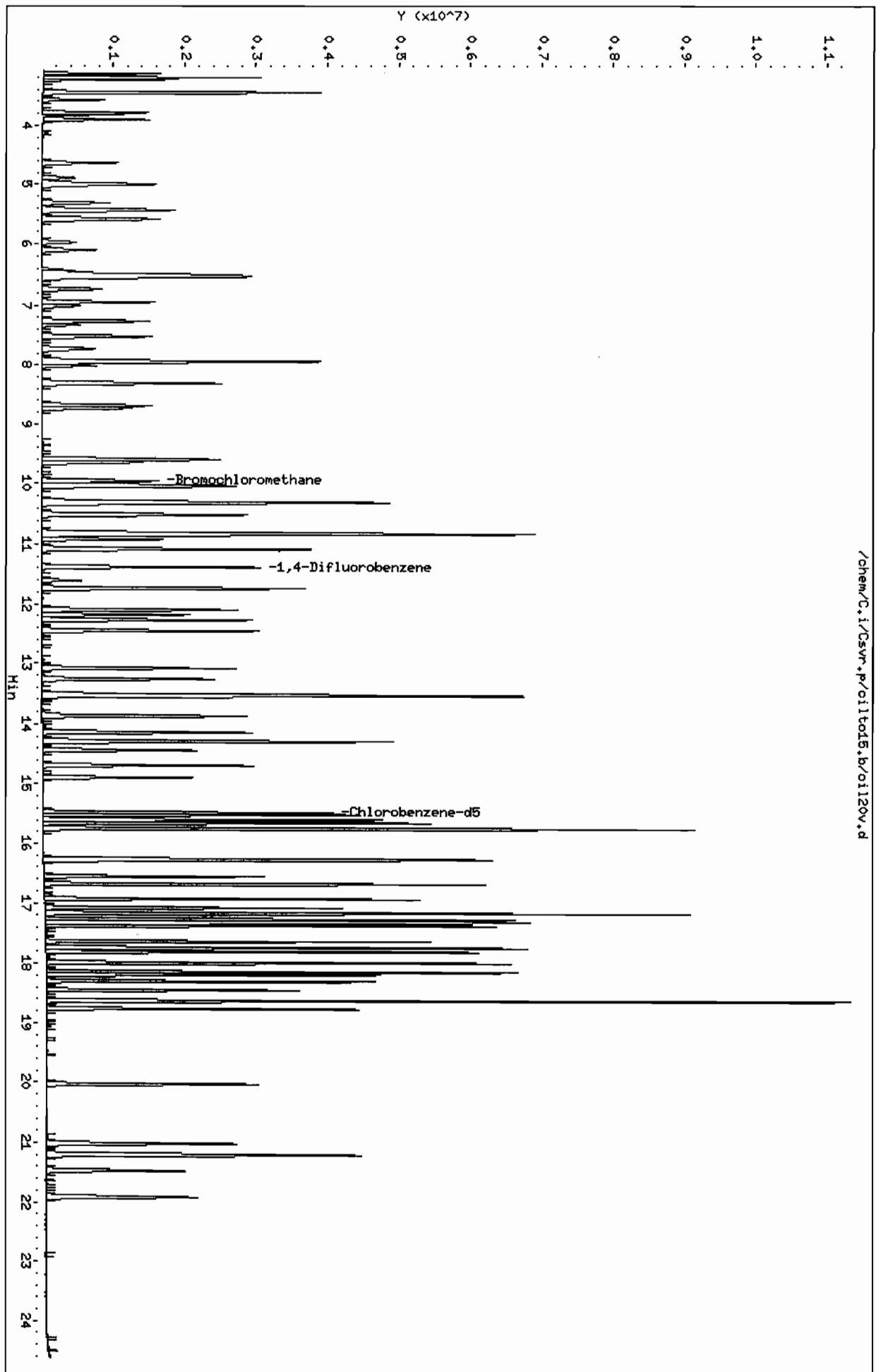
Purge Volume: 200.0

Column phase: RTX-624

Instrument: C.i

Operator: njr

Column diameter: 0.32



TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/C.i/Csvr.p/cilto15.b/cil20v.d
Lab Smp Id: ASTD020 Client Smp ID: ASTD020
Inj Date : 24-AUG-2009 06:37
Operator : njr Inst ID: C.i
Smp Info :
Misc Info : ASTD020;082309CA;1;200
Comment :
Method : /chem/C.i/Csvr.p/cilto15.b/sto15.m
Meth Date : 27-Aug-2009 10:25 jdl Quant Type: ISTD
Cal Date : 24-AUG-2009 06:37 Cal File: cil20v.d
Als bottle: 6 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

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

Cpnd Variable

Local Compound Variable

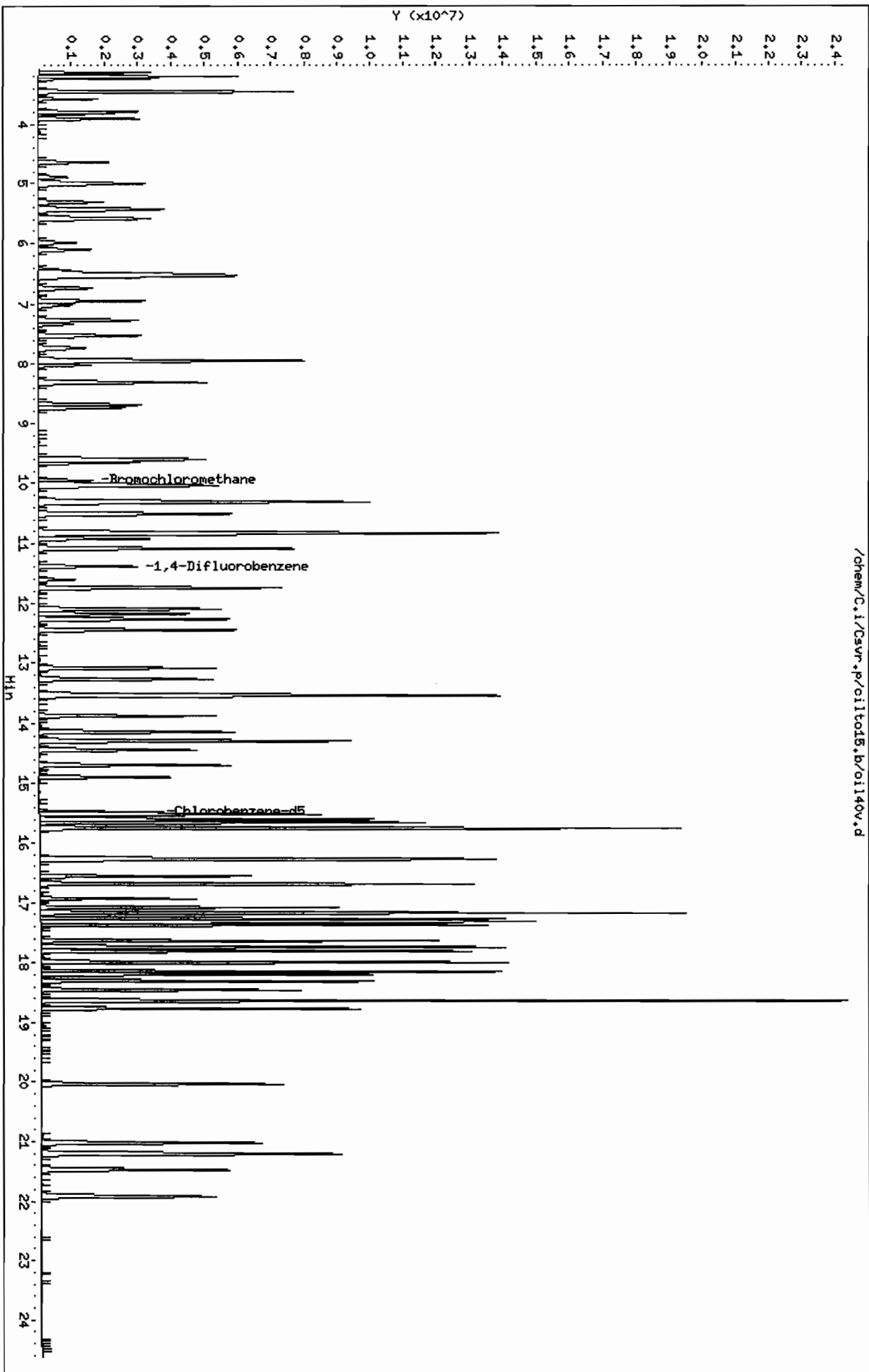
Compounds	QUANT SIG	MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
							CAL-AMT	ON-COL
							(ppbv)	(ppbv)
1 Dichlorodifluoromethane	85	3.203	3.202	(0.322)	2534115	20.0000	19	
2 Freon-22	51	3.240	3.240	(0.325)	1564608	20.0000	20	
3 1,2-Dichlorotetrafluoroethane	85	3.448	3.448	(0.346)	2728950	20.0000	20	
4 Chloromethane	50	3.576	3.576	(0.359)	815042	20.0000	19	
5 n-Butane	43	3.784	3.784	(0.380)	1489429	20.0000	18	
6 Vinyl Chloride	62	3.822	3.821	(0.384)	1008163	20.0000	20	
7 1,3-Butadiene	54	3.902	3.902	(0.392)	743055	20.0000	20	
9 Bromomethane	94	4.633	4.633	(0.465)	940635	20.0000	20	
10 Chloroethane	64	4.889	4.889	(0.491)	551478	20.0000	20	
11 Isopentane	43	4.996	4.996	(0.502)	1145515	20.0000	19	
12 Bromoethene	106	5.311	5.310	(0.534)	972817	20.0000	20	
13 Trichlorofluoromethane	101	5.428	5.433	(0.545)	2654324	20.0000	20	
14 Pentane	43	5.588	5.583	(0.561)	1701910	20.0000	19	
15 Ethyl Ether	59	6.100	6.100	(0.613)	678069	20.0000	20	
16 Acrolein	56	6.431	6.431	(0.646)	348461	20.0000	20	

Compounds	QUANT SIG	AMOUNTS					
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppbv)
17 Freon TF	101	6.511	6.511	(0.654)	1984267	20.0000	20
18 1,1-Dichloroethene	96	6.543	6.543	(0.657)	940532	20.0000	20
19 Acetone	43	6.736	6.735	(0.677)	1484012	20.0000	19
21 Carbon Disulfide	76	6.949	6.944	(0.698)	3021238	20.0000	20
20 Isopropyl Alcohol	45	7.013	7.008	(0.705)	967769	20.0000	20
22 3-Chloropropene	41	7.264	7.264	(0.730)	1309226	20.0000	20
23 Acetonitrile	41	7.323	7.322	(0.736)	700756	20.0000	19
24 Methylene Chloride	49	7.520	7.515	(0.756)	1161384	20.0000	18
25 tert-Butyl Alcohol	59	7.723	7.728	(0.776)	1400705	20.0000	20
26 Methyl tert-Butyl Ether	73	7.936	7.936	(0.797)	2891399	20.0000	20
27 trans-1,2-Dichloroethene	61	7.942	7.936	(0.798)	1622561	20.0000	20
28 n-Hexane	57	8.305	8.304	(0.834)	1739643	20.0000	19
29 1,1-Dichloroethane	63	8.684	8.683	(0.872)	2053687	20.0000	20
M 40 1,2-Dichloroethene (total)	61				2752534	40.0000	40
31 cis-1,2-Dichloroethene	96	9.591	9.591	(0.964)	1129973	20.0000	20
30 Methyl Ethyl Ketone	72	9.617	9.617	(0.966)	418178	20.0000	19
* 32 Bromochloromethane	128	9.954	9.948	(1.000)	536673	10.0000	
33 Tetrahydrofuran	42	10.007	10.007	(0.879)	996694	20.0000	19
34 Chloroform	83	10.039	10.034	(1.009)	2306062	20.0000	20
35 1,1,1-Trichloroethane	97	10.295	10.295	(0.905)	2411204	20.0000	20
36 Cyclohexane	84	10.311	10.311	(0.906)	1618664	20.0000	20
37 Carbon Tetrachloride	117	10.503	10.503	(0.923)	2382773	20.0000	21
38 2,2,4-Trimethylpentane	57	10.818	10.818	(0.951)	5608010	20.0000	20
39 Benzene	78	10.824	10.823	(0.951)	3534789	20.0000	20
41 1,2-Dichloroethane	62	10.914	10.914	(0.959)	1728231	20.0000	20
42 n-Heptane	43	11.080	11.074	(0.974)	2077160	20.0000	19
* 43 1,4-Difluorobenzene	114	11.379	11.379	(1.000)	3035539	10.0000	
44 1-Butanol	56	11.603	11.608	(1.020)	387058	20.0000	20
45 Trichloroethene	95	11.736	11.736	(1.031)	1505515	20.0000	20
47 1,2-Dichloropropane	63	12.099	12.094	(1.063)	1252011	20.0000	20
46 Methyl Methacrylate	69	12.179	12.179	(1.070)	925596	20.0000	22
48 1,4-Dioxane	88	12.259	12.254	(1.077)	391401	20.0000	20
49 Dibromomethane	174	12.270	12.270	(1.078)	1240179	20.0000	21
50 Bromodichloromethane	83	12.451	12.451	(1.094)	2522424	20.0000	22
51 cis-1,3-Dichloropropene	75	13.086	13.081	(1.150)	1866419	20.0000	20
M 70 Xylene (total)	106				4948255	20.0000	59
52 Methyl Isobutyl Ketone	43	13.268	13.268	(1.166)	2175626	20.0000	21
54 Toluene	92	13.519	13.519	(0.874)	2323590	20.0000	19
53 n-Octane	43	13.540	13.540	(1.190)	2657522	20.0000	19
55 trans-1,3-Dichloropropene	75	13.871	13.866	(1.219)	1687914	20.0000	19
56 1,1,2-Trichloroethane	83	14.133	14.132	(0.913)	1013281	20.0000	19
57 Tetrachloroethene	166	14.282	14.282	(0.923)	1914295	20.0000	20
58 Methyl Butyl Ketone	43	14.431	14.431	(0.933)	1884013	20.0000	20
59 Dibromochloromethane	129	14.682	14.682	(0.949)	1990431	20.0000	21
60 1,2-Dibromoethane	107	14.885	14.885	(0.962)	1818053	20.0000	20
* 61 Chlorobenzene-d5	117	15.472	15.472	(1.000)	2680742	10.0000	
62 Chlorobenzene	112	15.515	15.509	(1.003)	2762177	20.0000	19

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppbv)	ON-COL (ppbv)
=====	----	==	=====	=====	=====	=====	=====
63 Ethylbenzene	91	15.595	15.595	(1.008)	4222650	20.0000	20
84 Nonane	57	15.648	15.648	(1.011)	2116419	20.0000	19
64 Xylene (m,p)	106	15.750	15.744	(1.018)	3268802	40.0000	40
65 Xylene (o)	106	16.262	16.262	(1.051)	1679453	20.0000	20
66 Styrene	104	16.283	16.283	(1.052)	2356712	20.0000	21
67 Bromoform	173	16.555	16.555	(1.070)	1624172	20.0000	21
68 Cumene	105	16.684	16.683	(1.078)	4866346	20.0000	21
69 1,1,2,2-Tetrachloroethane	83	17.078	17.078	(1.104)	2288252	20.0000	20
73 1,2,3-Trichloropropane	75	17.159	17.158	(1.109)	1790069	20.0000	19
72 n-Propylbenzene	91	17.169	17.169	(1.110)	5327566	20.0000	20
71 n-Decane	57	17.265	17.265	(1.116)	2370875	20.0000	19
74 4-Ethyltoluene	105	17.297	17.297	(1.118)	4427793	20.0000	20
76 2-Chlorotoluene	91	17.324	17.324	(1.120)	3846673	20.0000	19
75 1,3,5-Trimethylbenzene	105	17.367	17.367	(1.122)	3818942	20.0000	20
77 a-Methylstyrene	118	17.634	17.628	(1.140)	1779984	20.0000	22
78 Tert-Butylbenzene	119	17.735	17.735	(1.146)	3836170	20.0000	21
79 1,2,4-Trimethylbenzene	105	17.804	17.799	(1.151)	3652128	20.0000	20
80 Sec-Butylbenzene	105	17.986	17.986	(1.162)	5466953	20.0000	21
81 4-Isopropyltoluene	119	18.141	18.140	(1.172)	4543928	20.0000	21
82 1,3-Dichlorobenzene	146	18.189	18.188	(1.176)	2195651	20.0000	18
83 1,4-Dichlorobenzene	146	18.301	18.300	(1.183)	2119795	20.0000	18
86 Benzyl Chloride	91	18.450	18.445	(1.192)	2973157	20.0000	21
85 n-Undecane	57	18.626	18.626	(1.204)	2313534	20.0000	19
87 n-Butylbenzene	91	18.632	18.631	(1.204)	3881510	20.0000	21
88 1,2-Dichlorobenzene	146	18.765	18.759	(1.213)	2169468	20.0000	19
89 n-Dodecane	57	20.030	20.030	(1.295)	1380965	20.0000	17
90 1,2,4-Trichlorobenzene	180	21.017	21.017	(1.358)	1307847	20.0000	18
91 Hexachlorobutadiene	225	21.199	21.198	(1.370)	1452470	20.0000	20
92 Naphthalene	128	21.471	21.471	(1.388)	2510077	20.0000	16
93 1,2,3-Trichlorobenzene	180	21.914	21.914	(1.416)	1146400	20.0000	18

Data File: /chem/C.i/Csvr.p/oilto15.b/oil140v.d
 Date: 24-AUG-2009 07:25
 Client ID: ASTD040
 Sample Info:
 Purge Volume: 200.0
 Column phase: RTX-624

Instrument: C.i
 Operator: njr
 Column diameter: 0.32



TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/C.i/Csvr.p/cilto15.b/cil40v.d
Lab Smp Id: ASTD040 Client Smp ID: ASTD040
Inj Date : 24-AUG-2009 07:25
Operator : njr Inst ID: C.i
Smp Info :
Misc Info : ASTD040;082309CA;1;200
Comment :
Method : /chem/C.i/Csvr.p/cilto15.b/sto15.m
Meth Date : 27-Aug-2009 10:25 jdl Quant Type: ISTD
Cal Date : 24-AUG-2009 07:25 Cal File: cil40v.d
Als bottle: 7 Calibration Sample, Level: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

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

Cpnd Variable

Local Compound Variable

Compounds	QUANT SIG			RESPONSE	AMOUNTS	
	MASS	RT	EXP RT REL RT		CAL-AMT (ppbv)	ON-COL (ppbv)
1 Dichlorodifluoromethane	85	3.203	3.202 (0.322)	5025304	40.0000	38
2 Freon-22	51	3.240	3.240 (0.325)	3140283	40.0000	39
3 1,2-Dichlorotetrafluoroethane	85	3.448	3.448 (0.346)	5448302	40.0000	40
4 Chloromethane	50	3.576	3.576 (0.359)	1677518	40.0000	39
5 n-Butane	43	3.784	3.784 (0.380)	3049024	40.0000	37
6 Vinyl Chloride	62	3.822	3.821 (0.384)	2055437	40.0000	41(A)
7 1,3-Butadiene	54	3.902	3.902 (0.392)	1527223	40.0000	41(A)
9 Bromomethane	94	4.633	4.633 (0.465)	1913875	40.0000	41(A)
10 Chloroethane	64	4.889	4.889 (0.491)	1121735	40.0000	40(A)
11 Isopentane	43	4.996	4.996 (0.502)	2324571	40.0000	39
12 Bromoethene	106	5.311	5.310 (0.534)	1997562	40.0000	42(A)
13 Trichlorofluoromethane	101	5.433	5.433 (0.546)	5404228	40.0000	40
14 Pentane	43	5.588	5.583 (0.561)	3484097	40.0000	38
15 Ethyl Ether	59	6.106	6.100 (0.613)	1430722	40.0000	42(A)
16 Acrolein	56	6.431	6.431 (0.646)	748299	40.0000	42(A)

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppbv)	ON-COL (ppbv)
=====	----	==	=====	=====	=====	=====	=====
17 Freon TF	101	6.511	6.511	(0.654)	4028877	40.0000	41 (A)
18 1,1-Dichloroethene	96	6.549	6.543	(0.658)	1928712	40.0000	41 (A)
19 Acetone	43	6.736	6.735	(0.677)	2985434	40.0000	38
21 Carbon Disulfide	76	6.949	6.944	(0.698)	6112082	40.0000	41 (A)
20 Isopropyl Alcohol	45	7.018	7.008	(0.705)	1851929	40.0000	38
22 3-Chloropropene	41	7.264	7.264	(0.730)	2698428	40.0000	41 (A)
23 Acetonitrile	41	7.328	7.322	(0.736)	1380309	40.0000	38
24 Methylene Chloride	49	7.520	7.515	(0.756)	2338196	40.0000	35
25 tert-Butyl Alcohol	59	7.728	7.728	(0.776)	2687228	40.0000	38
26 Methyl tert-Butyl Ether	73	7.936	7.936	(0.797)	6028201	40.0000	42 (A)
27 trans-1,2-Dichloroethene	61	7.942	7.936	(0.798)	3292137	40.0000	40 (A)
28 n-Hexane	57	8.310	8.304	(0.835)	3539093	40.0000	39
29 1,1-Dichloroethane	63	8.684	8.683	(0.872)	4147429	40.0000	41 (A)
M 40 1,2-Dichloroethene (total)	61				5583878	80.0000	81
31 cis-1,2-Dichloroethene	96	9.591	9.591	(0.964)	2291741	40.0000	40 (A)
30 Methyl Ethyl Ketone	72	9.618	9.617	(0.966)	900863	40.0000	40 (A)
* 32 Bromochloromethane	128	9.954	9.948	(1.000)	539880	10.0000	
33 Tetrahydrofuran	42	10.007	10.007	(0.879)	2093630	40.0000	42 (A)
34 Chloroform	83	10.039	10.034	(1.009)	4622547	40.0000	40 (A)
35 1,1,1-Trichloroethane	97	10.301	10.295	(0.905)	4913137	40.0000	42 (A)
36 Cyclohexane	84	10.317	10.311	(0.907)	3319894	40.0000	43 (A)
37 Carbon Tetrachloride	117	10.503	10.503	(0.923)	4843007	40.0000	44 (A)
38 2,2,4-Trimethylpentane	57	10.818	10.818	(0.951)	11362076	40.0000	42 (A)
39 Benzene	78	10.824	10.823	(0.951)	7093549	40.0000	41 (A)
41 1,2-Dichloroethane	62	10.914	10.914	(0.959)	3463132	40.0000	42 (A)
42 n-Heptane	43	11.080	11.074	(0.974)	4209774	40.0000	41 (A)
* 43 1,4-Difluorobenzene	114	11.379	11.379	(1.000)	2954357	10.0000	
44 1-Butanol	56	11.603	11.608	(1.020)	761926	40.0000	41 (A)
45 Trichloroethene	95	11.736	11.736	(1.031)	3010201	40.0000	42 (A)
47 1,2-Dichloropropane	63	12.099	12.094	(1.063)	2513237	40.0000	42 (A)
46 Methyl Methacrylate	69	12.179	12.179	(1.070)	2046131	40.0000	49 (A)
48 1,4-Dioxane	88	12.259	12.254	(1.077)	767039	40.0000	39
49 Dibromomethane	174	12.275	12.270	(1.079)	2458756	40.0000	43 (A)
50 Bromodichloromethane	83	12.451	12.451	(1.094)	4944107	40.0000	44 (A)
51 cis-1,3-Dichloropropene	75	13.086	13.081	(1.150)	3612180	40.0000	40 (A)
M 70 Xylene (total)	106				10685953	40.0000	150 (A)
52 Methyl Isobutyl Ketone	43	13.268	13.268	(1.166)	4673690	40.0000	47 (A)
54 Toluene	92	13.524	13.519	(0.874)	4688223	40.0000	44 (A)
53 n-Octane	43	13.540	13.540	(1.190)	5374740	40.0000	40
55 trans-1,3-Dichloropropene	75	13.871	13.866	(1.219)	3355426	40.0000	40
56 1,1,2-Trichloroethane	83	14.133	14.132	(0.913)	2027965	40.0000	45 (A)
57 Tetrachloroethene	166	14.287	14.282	(0.923)	3720136	40.0000	45 (A)
58 Methyl Butyl Ketone	43	14.431	14.431	(0.933)	4100763	40.0000	52 (A)
59 Dibromochloromethane	129	14.682	14.682	(0.949)	3947948	40.0000	49 (A)
60 1,2-Dibromoethane	107	14.890	14.885	(0.962)	3415925	40.0000	44 (A)
* 61 Chlorobenzene-d5	117	15.472	15.472	(1.000)	2300481	10.0000	
62 Chlorobenzene	112	15.515	15.509	(1.003)	5394999	40.0000	43 (A)

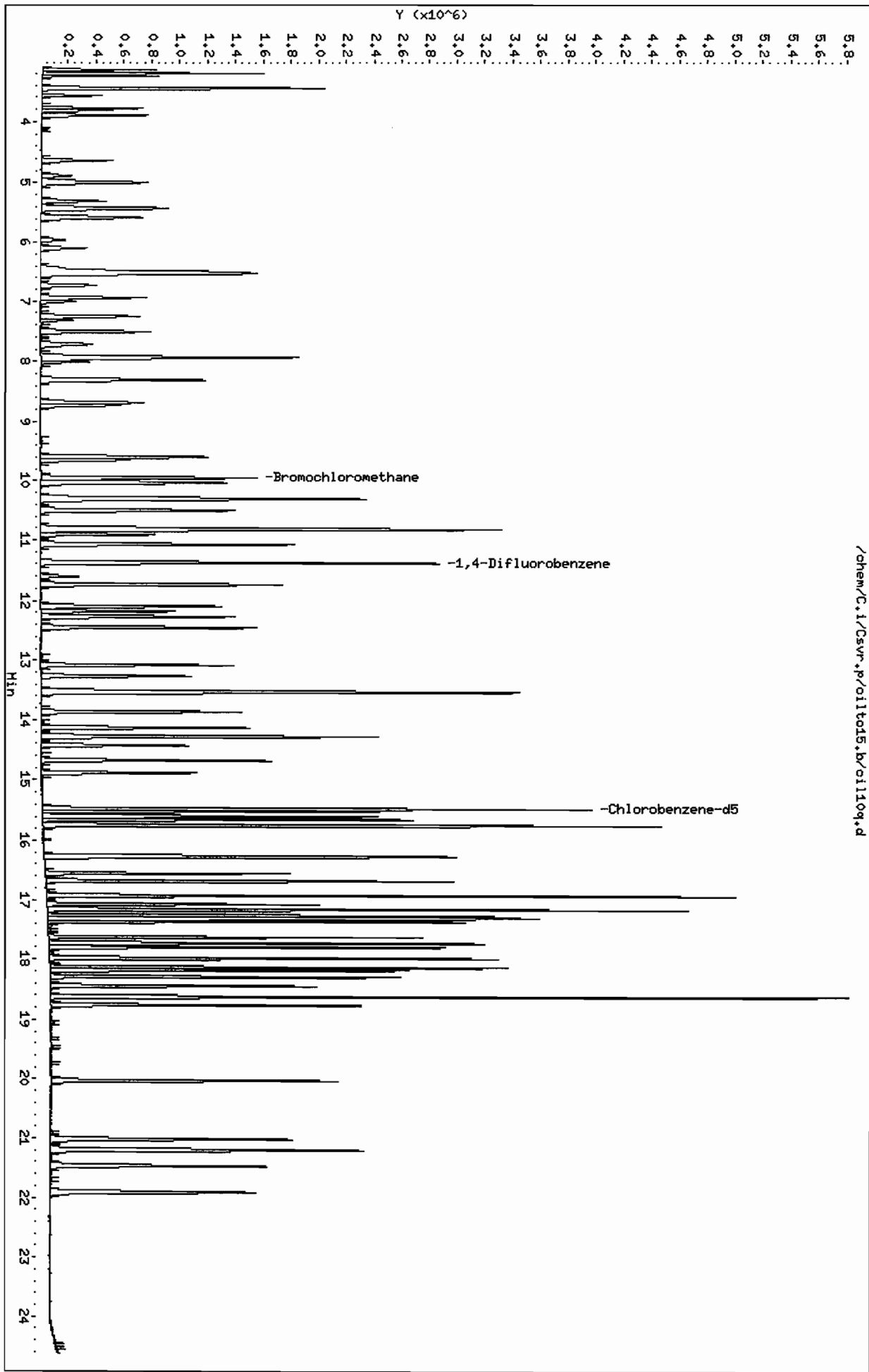
Compounds	QUANT SIG				RESPONSE	AMOUNTS	
	MASS	RT	EXP RT	REL RT		CAL-AMT (ppbv)	ON-COL (ppbv)
=====	====	==	=====	=====	=====	=====	=====
63 Ethylbenzene	91	15.595	15.595	(1.008)	8904249	40.0000	48 (A)
84 Nonane	57	15.654	15.648	(1.012)	4572628	40.0000	48 (A)
64 Xylene (m,p)	106	15.750	15.744	(1.018)	7044116	80.0000	100 (A)
65 Xylene (o)	106	16.262	16.262	(1.051)	3641837	40.0000	51 (A)
66 Styrene	104	16.283	16.283	(1.052)	5118563	40.0000	54 (A)
67 Bromoform	173	16.561	16.555	(1.070)	3414777	40.0000	52 (A)
68 Cumene	105	16.689	16.683	(1.079)	10257230	40.0000	50 (A)
69 1,1,2,2-Tetrachloroethane	83	17.079	17.078	(1.104)	4918154	40.0000	51 (A)
73 1,2,3-Trichloropropane	75	17.164	17.158	(1.109)	3834270	40.0000	48 (A)
72 n-Propylbenzene	91	17.169	17.169	(1.110)	11246863	40.0000	50 (A)
71 n-Decane	57	17.265	17.265	(1.116)	5173166	40.0000	49 (A)
74 4-Ethyltoluene	105	17.297	17.297	(1.118)	9394558	40.0000	50 (A)
76 2-Chlorotoluene	91	17.324	17.324	(1.120)	8082076	40.0000	47 (A)
75 1,3,5-Trimethylbenzene	105	17.367	17.367	(1.122)	8137824	40.0000	51 (A)
77 a-Methylstyrene	118	17.634	17.628	(1.140)	3978801	40.0000	58 (A)
78 Tert-Butylbenzene	119	17.735	17.735	(1.146)	8155577	40.0000	51 (A)
79 1,2,4-Trimethylbenzene	105	17.804	17.799	(1.151)	7856944	40.0000	51 (A)
80 Sec-Butylbenzene	105	17.991	17.986	(1.163)	11512278	40.0000	51 (A)
81 4-Isopropyltoluene	119	18.141	18.140	(1.172)	9677294	40.0000	51 (A)
82 1,3-Dichlorobenzene	146	18.194	18.188	(1.176)	4689644	40.0000	45 (A)
83 1,4-Dichlorobenzene	146	18.301	18.300	(1.183)	4581623	40.0000	45 (A)
86 Benzyl Chloride	91	18.450	18.445	(1.192)	6532992	40.0000	53 (A)
85 n-Undecane	57	18.626	18.626	(1.204)	5094819	40.0000	48 (A)
87 n-Butylbenzene	91	18.632	18.631	(1.204)	8281901	40.0000	51 (A)
88 1,2-Dichlorobenzene	146	18.765	18.759	(1.213)	4665799	40.0000	48 (A)
89 n-Dodecane	57	20.035	20.030	(1.295)	3382712	40.0000	49 (A)
90 1,2,4-Trichlorobenzene	180	21.017	21.017	(1.358)	3215366	40.0000	51 (A)
91 Hexachlorobutadiene	225	21.204	21.198	(1.370)	2991272	40.0000	48 (A)
92 Naphthalene	128	21.471	21.471	(1.388)	7403986	40.0000	54 (A)
93 1,2,3-Trichlorobenzene	180	21.914	21.914	(1.416)	2840386	40.0000	52 (A)

QC Flag Legend

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

Data File: /chem/C.i/Csvr.p/oilto15.b/oil10q.d
 Date : 24-AUG-2009 09:01
 Client ID: CA082209ICV
 Sample Info:
 Purge Volume: 200.0
 Column phase: RTX-624

Instrument: C.i
 Operator: njr
 Column diameter: 0.32



TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/C.i/Csvr.p/cilto15.b/cil10q.d
Lab Smp Id: CA082209ICV Client Smp ID: CA082209ICV
Inj Date : 24-AUG-2009 09:01
Operator : njr Inst ID: C.i
Smp Info :
Misc Info : CA082209LCS;082309CA;1;200
Comment :
Method : /chem/C.i/Csvr.p/cilto15.b/sto15.m
Meth Date : 27-Aug-2009 10:25 jdl Quant Type: ISTD
Cal Date : 24-AUG-2009 07:25 Cal File: cil40v.d
Als bottle: 4 QC Sample: ICV
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

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

Cpnd Variable

Local Compound Variable

Compounds	QUANT SIG		RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
	MASS						ON-COLUMN (ppbv)	FINAL (ppbv)
1 Dichlorodifluoromethane	85		3.197	3.202	(0.321)	1306380	10.4958	10
2 Freon-22	51		3.234	3.240	(0.325)	792095	10.5845	11
3 1,2-Dichlorotetrafluoroethane	85		3.448	3.448	(0.347)	1395307	10.8409	11
4 Chloromethane	50		3.571	3.576	(0.359)	408730	10.1330	10
5 n-Butane	43		3.779	3.784	(0.380)	729771	9.46057	9.5
6 Vinyl Chloride	62		3.816	3.821	(0.384)	503747	10.7279	11
7 1,3-Butadiene	54		3.896	3.902	(0.392)	379535	10.9098	11
9 Bromomethane	94		4.627	4.633	(0.465)	455970	10.4048	10
10 Chloroethane	64		4.884	4.889	(0.491)	264826	10.2084	10
11 Isopentane	43		4.990	4.996	(0.502)	548612	9.83299	9.8
12 Bromoethene	106		5.305	5.310	(0.533)	461982	10.3145	10
13 Trichlorofluoromethane	101		5.428	5.433	(0.546)	1284527	10.1197	10
14 Pentane	43		5.577	5.583	(0.561)	737625	8.55096	8.6
15 Ethyl Ether	59		6.100	6.100	(0.613)	290612	9.22023	9.2
16 Acrolein	56		6.426	6.431	(0.646)	135665	8.13639	8.1

Compounds	QUANT SIG					CONCENTRATIONS	
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ppbv)	FINAL (ppbv)
*****	----	==	=====	=====	=====	=====	=====
17 Freon TF	101	6.506	6.511	(0.654)	1025933	11.1266	11
18 1,1-Dichloroethene	96	6.538	6.543	(0.657)	482186	10.8463	11
19 Acetone	43	6.730	6.735	(0.676)	706582	9.58605	9.6
21 Carbon Disulfide	76	6.944	6.944	(0.698)	1428416	10.1553	10
20 Isopropyl Alcohol	45	7.002	7.008	(0.704)	449984	9.84057	9.8
22 3-Chloropropene	41	7.258	7.264	(0.730)	622276	10.0920	10
23 Acetonitrile	41	7.323	7.322	(0.736)	292189	8.61929	8.6
24 Methylene Chloride	49	7.515	7.515	(0.755)	586201	9.41827	9.4
25 tert-Butyl Alcohol	59	7.723	7.728	(0.776)	677193	10.2503	10
26 Methyl tert-Butyl Ether	73	7.931	7.936	(0.797)	1343112	10.0259	10
27 trans-1,2-Dichloroethene	61	7.936	7.936	(0.798)	764828	10.0118	10
28 n-Hexane	57	8.305	8.304	(0.835)	810121	9.54182	9.5
29 1,1-Dichloroethane	63	8.678	8.683	(0.872)	974865	10.2833	10
M 40 1,2-Dichloroethene (total)	61				1310802	20.2733	20
31 cis-1,2-Dichloroethene	96	9.585	9.591	(0.964)	545974	10.2615	10
30 Methyl Ethyl Ketone	72	9.612	9.617	(0.966)	196879	9.46626	9.5 (Q)
* 32 Bromochloromethane	128	9.948	9.948	(1.000)	504744	10.0000	
33 Tetrahydrofuran	42	10.002	10.007	(0.879)	449557	9.27738	9.3
34 Chloroform	83	10.034	10.034	(1.009)	1116256	10.3692	10
35 1,1,1-Trichloroethane	97	10.295	10.295	(0.905)	1175149	10.4067	10
36 Cyclohexane	84	10.311	10.311	(0.906)	765748	10.1878	10
37 Carbon Tetrachloride	117	10.503	10.503	(0.923)	1156812	10.6896	11
38 2,2,4-Trimethylpentane	57	10.818	10.818	(0.951)	2639081	10.1052	10
39 Benzene	78	10.824	10.823	(0.951)	1647013	9.81690	9.8
41 1,2-Dichloroethane	62	10.914	10.914	(0.959)	846353	10.4632	10
42 n-Heptane	43	11.074	11.074	(0.973)	978925	9.68379	9.7
* 43 1,4-Difluorobenzene	114	11.379	11.379	(1.000)	2874064	10.0000	
44 1-Butanol	56	11.603	11.608	(1.020)	190597	10.5563	11
45 Trichloroethene	95	11.731	11.736	(1.031)	707815	10.0951	10
47 1,2-Dichloropropane	63	12.094	12.094	(1.063)	580979	9.88256	9.9
46 Methyl Methacrylate	69	12.179	12.179	(1.070)	424014	10.4277	10
48 1,4-Dioxane	88	12.259	12.254	(1.077)	169926	8.99151	9.0
49 Dibromomethane	174	12.270	12.270	(1.078)	590595	10.7108	11
50 Bromodichloromethane	83	12.451	12.451	(1.094)	1249968	11.3793	11
51 cis-1,3-Dichloropropene	75	13.081	13.081	(1.150)	928193	10.5793	11
M 70 Xylene (total)	106				2358809	29.3342	29
52 Methyl Isobutyl Ketone	43	13.262	13.268	(1.166)	958565	9.82417	9.8
54 Toluene	92	13.519	13.519	(0.874)	1175936	9.88009	9.9
53 n-Octane	43	13.540	13.540	(1.190)	1337343	10.1699	10
55 trans-1,3-Dichloropropene	75	13.866	13.866	(1.219)	885486	10.7931	11
56 1,1,2-Trichloroethane	83	14.132	14.132	(0.913)	510327	10.1754	10
57 Tetrachloroethene	166	14.282	14.282	(0.923)	930409	10.1367	10
58 Methyl Butyl Ketone	43	14.431	14.431	(0.933)	897972	10.1346	10
59 Dibromochloromethane	129	14.682	14.682	(0.949)	1086032	12.1421	12
60 1,2-Dibromoethane	107	14.885	14.885	(0.962)	937502	10.8972	11
* 61 Chlorobenzene-d5	117	15.472	15.472	(1.000)	2577111	10.0000	
62 Chlorobenzene	112	15.509	15.509	(1.002)	1465346	10.3526	10

Compounds	QUANT SIG					CONCENTRATIONS	
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ppbv)	FINAL (ppbv)
=====	====	==	=====	=====	=====	=====	=====
63 Ethylbenzene	91	15.595	15.595	(1.008)	2106899	10.1255	10
84 Nonane	57	15.648	15.648	(1.011)	1002681	9.30593	9.3
64 Xylene (m,p)	106	15.744	15.744	(1.018)	1577068	19.9832	20
65 Xylene (o)	106	16.262	16.262	(1.051)	781741	9.72176	9.7
66 Styrene	104	16.283	16.283	(1.052)	1158632	10.9803	11
67 Bromoform	173	16.555	16.555	(1.070)	910006	12.4865	12
68 Cumene	105	16.683	16.683	(1.078)	2295492	10.0689	10
69 1,1,2,2-Tetrachloroethane	83	17.078	17.078	(1.104)	1063133	9.83883	9.8
73 1,2,3-Trichloropropane	75	17.158	17.158	(1.109)	897875	10.1210	10
72 n-Propylbenzene	91	17.169	17.169	(1.110)	2634635	10.4438	10
71 n-Decane	57	17.265	17.265	(1.116)	1127677	9.58386	9.6
74 4-Ethyltoluene	105	17.297	17.297	(1.118)	2219399	10.6177	11
76 2-Chlorotoluene	91	17.324	17.324	(1.120)	2032927	10.5054	11
75 1,3,5-Trimethylbenzene	105	17.367	17.367	(1.122)	1804948	10.0715	10
77 a-Methylstyrene	118	17.628	17.628	(1.139)	869479	11.3240	11
78 Tert-Butylbenzene	119	17.735	17.735	(1.146)	1794198	9.99531	10
79 1,2,4-Trimethylbenzene	105	17.799	17.799	(1.150)	1743049	10.1233	10
80 Sec-Butylbenzene	105	17.986	17.986	(1.162)	2626580	10.3065	10
81 4-Isopropyltoluene	119	18.140	18.140	(1.172)	2232416	10.5892	11
82 1,3-Dichlorobenzene	146	18.188	18.188	(1.176)	1186922	10.1849	10
83 1,4-Dichlorobenzene	146	18.301	18.300	(1.183)	1170232	10.2522	10
86 Benzyl Chloride	91	18.445	18.445	(1.192)	1613930	11.7880	12
85 n-Undecane	57	18.626	18.626	(1.204)	1129587	9.43840	9.4
87 n-Butylbenzene	91	18.631	18.631	(1.204)	1991694	10.9868	11
88 1,2-Dichlorobenzene	146	18.765	18.759	(1.213)	1110419	10.1058	10
89 n-Dodecane	57	20.030	20.030	(1.295)	948887	12.2070	12
90 1,2,4-Trichlorobenzene	180	21.017	21.017	(1.358)	834257	11.8604	12
91 Hexachlorobutadiene	225	21.198	21.198	(1.370)	733780	10.5093	11
92 Naphthalene	128	21.471	21.471	(1.388)	2004179	13.1398	13
93 1,2,3-Trichlorobenzene	180	21.914	21.914	(1.416)	798471	12.9333	13

QC Flag Legend

Q - Qualifier signal failed the ratio test.

TestAmerica Burlington

RECOVERY REPORT

Client Name: Client SDG: cilto15
 Sample Matrix: GAS Fraction: VOA
 Lab Smp Id: CA082209ICV Client Smp ID: CA082209ICV
 Level: LOW Operator: njr
 Data Type: MS DATA SampleType: ICV
 SpikeList File: all.spk Quant Type: ISTD
 Sublist File: all.sub
 Method File: /chem/C.i/Csvr.p/cilto15.b/sto15.m
 Misc Info: CA082209LCS;082309CA;1;200

SPIKE COMPOUND	CONC ADDED ppbv	CONC RECOVERED ppbv	% RECOVERED	LIMITS
1 Dichlorodifluorome	10	10	104.96	70-130
2 Freon-22	10	11	105.84	70-130
3 1,2-Dichlorotetra	10	11	108.41	70-130
4 Chloromethane	10	10	101.33	70-130
5 n-Butane	10	9.5	94.61	70-130
6 Vinyl Chloride	10	11	107.28	70-130
7 1,3-Butadiene	10	11	109.10	70-130
9 Bromomethane	10	10	104.05	70-130
10 Chloroethane	10	10	102.08	70-130
11 Isopentane	10	9.8	98.33	70-130
12 Bromoethene	10	10	103.14	70-130
13 Trichlorofluoromet	10	10	101.20	70-130
14 Pentane	10	8.6	85.51	70-130
15 Ethyl Ether	10	9.2	92.20	70-130
16 Acrolein	10	8.1	81.36	70-130
17 Freon TF	10	11	111.27	70-130
18 1,1-Dichloroethene	10	11	108.46	70-130
19 Acetone	10	9.6	95.86	70-130
20 Isopropyl Alcohol	10	9.8	98.41	70-130
21 Carbon Disulfide	10	10	101.55	70-130
22 3-Chloropropene	10	10	100.92	70-130
23 Acetonitrile	10	8.6	86.19	70-130
24 Methylene Chloride	10	9.4	94.18	70-130
25 tert-Butyl Alcohol	10	10	102.50	70-130
26 Methyl tert-Butyl	10	10	100.26	70-130
27 trans-1,2-Dichloro	10	10	100.12	70-130
28 n-Hexane	10	9.5	95.42	70-130
29 1,1-Dichloroethane	10	10	102.83	70-130
30 Methyl Ethyl Keton	10	9.5	94.66	70-130
31 cis-1,2-Dichloroet	10	10	102.61	70-130
33 Tetrahydrofuran	10	9.3	92.77	70-130
34 Chloroform	10	10	103.69	70-130
35 1,1,1-Trichloroeth	10	10	104.07	70-130

SPIKE COMPOUND		CONC ADDED ppbv	CONC RECOVERED ppbv	% RECOVERED	LIMITS
	36 Cyclohexane	10	10	101.88	70-130
	37 Carbon Tetrachlori	10	11	106.90	70-130
	38 2,2,4-Trimethylpen	10	10	101.05	70-130
	39 Benzene	10	9.8	98.17	70-130
M	40 1,2-Dichloroethene	20	20	100.00	70-130
	41 1,2-Dichloroethane	10	10	104.63	70-130
	42 n-Heptane	10	9.7	96.84	70-130
	44 1-Butanol	10	11	105.56	70-130
	45 Trichloroethene	10	10	100.95	70-130
	46 Methyl Methacrylat	10	10	104.28	70-130
	47 1,2-Dichloropropan	10	9.9	98.83	70-130
	48 1,4-Dioxane	10	9.0	89.92	70-130
	49 Dibromomethane	10	11	107.11	70-130
	50 Bromodichlorometha	10	11	113.79	70-130
	51 cis-1,3-Dichloropr	10	11	105.79	70-130
	52 Methyl Isobutyl Ke	10	9.8	98.24	70-130
	53 n-Octane	10	10	101.70	70-130
	54 Toluene	10	9.9	98.80	70-130
	55 trans-1,3-Dichloro	10	11	107.93	70-130
	56 1,1,2-Trichloroeth	10	10	101.75	70-130
	57 Tetrachloroethene	10	10	101.37	70-130
	58 Methyl Butyl Keton	10	10	101.35	70-130
	59 Dibromochlorometha	10	12	121.42	70-130
	60 1,2-Dibromoethane	10	11	108.97	70-130
	62 Chlorobenzene	10	10	103.53	70-130
	63 Ethylbenzene	10	10	101.26	70-130
	64 Xylene (m,p)	20	20	99.92	70-130
	65 Xylene (o)	10	9.7	97.22	70-130
	66 Styrene	10	11	109.80	70-130
	67 Bromoform	10	12	124.86	70-130
	68 Cumene	10	10	100.69	70-130
	69 1,1,2,2-Tetrachlor	10	9.8	98.39	70-130
M	70 Xylene (total)	30	29	97.78	70-130
	71 n-Decane	10	9.6	95.84	70-130
	72 n-Propylbenzene	10	10	104.44	70-130
	73 1,2,3-Trichloropro	10	10	101.21	70-130
	74 4-Ethyltoluene	10	11	106.18	70-130
	75 1,3,5-Trimethylben	10	10	100.72	70-130
	76 2-Chlorotoluene	10	11	105.05	70-130
	77 a-Methylstyrene	10	11	113.24	70-130
	78 Tert-Butylbenzene	10	10	99.95	70-130
	79 1,2,4-Trimethylben	10	10	101.23	70-130
	80 Sec-Butylbenzene	10	10	103.07	70-130
	81 4-Isopropyltoluene	10	11	105.89	70-130
	82 1,3-Dichlorobenzen	10	10	101.85	70-130
	83 1,4-Dichlorobenzen	10	10	102.52	70-130
	84 Nonane	10	9.3	93.06	70-130

SPIKE COMPOUND	CONC ADDED ppbv	CONC RECOVERED ppbv	% RECOVERED	LIMITS
85 n-Undecane	10	9.4	94.38	70-130
86 Benzyl Chloride	10	12	117.88	70-130
87 n-Butylbenzene	10	11	109.87	70-130
88 1,2-Dichlorobenzen	10	10	101.06	70-130
89 n-Dodecane	10	12	122.07	70-130
90 1,2,4-Trichloroben	10	12	118.60	70-130
91 Hexachlorobutadien	10	11	105.09	70-130
92 Naphthalene	10	13	131.40*	70-130
93 1,2,3-Trichloroben	10	13	129.33	70-130

FORM 7
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: TESTAMERICA BURLINGTON Contract: 29000
 Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: NY133422
 Instrument ID: C Calibration Date: 09/10/09 Time: 0826
 Lab File ID: CIL100V Init. Calib. Date(s): 08/24/09 08/24/09
 Heated Purge: (Y/N) N Init. Calib. Times: 0234 0725
 GC Column: RTX-624 ID: 0.32 (mm)

COMPOUND	RRF	RRF10	MIN RRF	%D	MAX %D
=====	=====	=====	=====	=====	=====
Vinyl Chloride	0.930	0.965	0.01	3.8	30.0
1,1-Dichloroethene	0.881	0.844	0.01	4.2	30.0
trans-1,2-Dichloroethene	1.514	1.424	0.01	5.9	30.0
cis-1,2-Dichloroethene	1.054	0.992	0.01	5.9	30.0
1,2-Dichloroethene (total)	1.284	1.208	0.01	5.9	30.0
Trichloroethene	0.244	0.253	0.01	3.7	30.0
Tetrachloroethene	0.356	0.418	0.01	17.4	30.0
=====	=====	=====	=====	=====	=====

Date : 10-SEP-2009 08:26

Client ID: ASTD010

Sample Info:

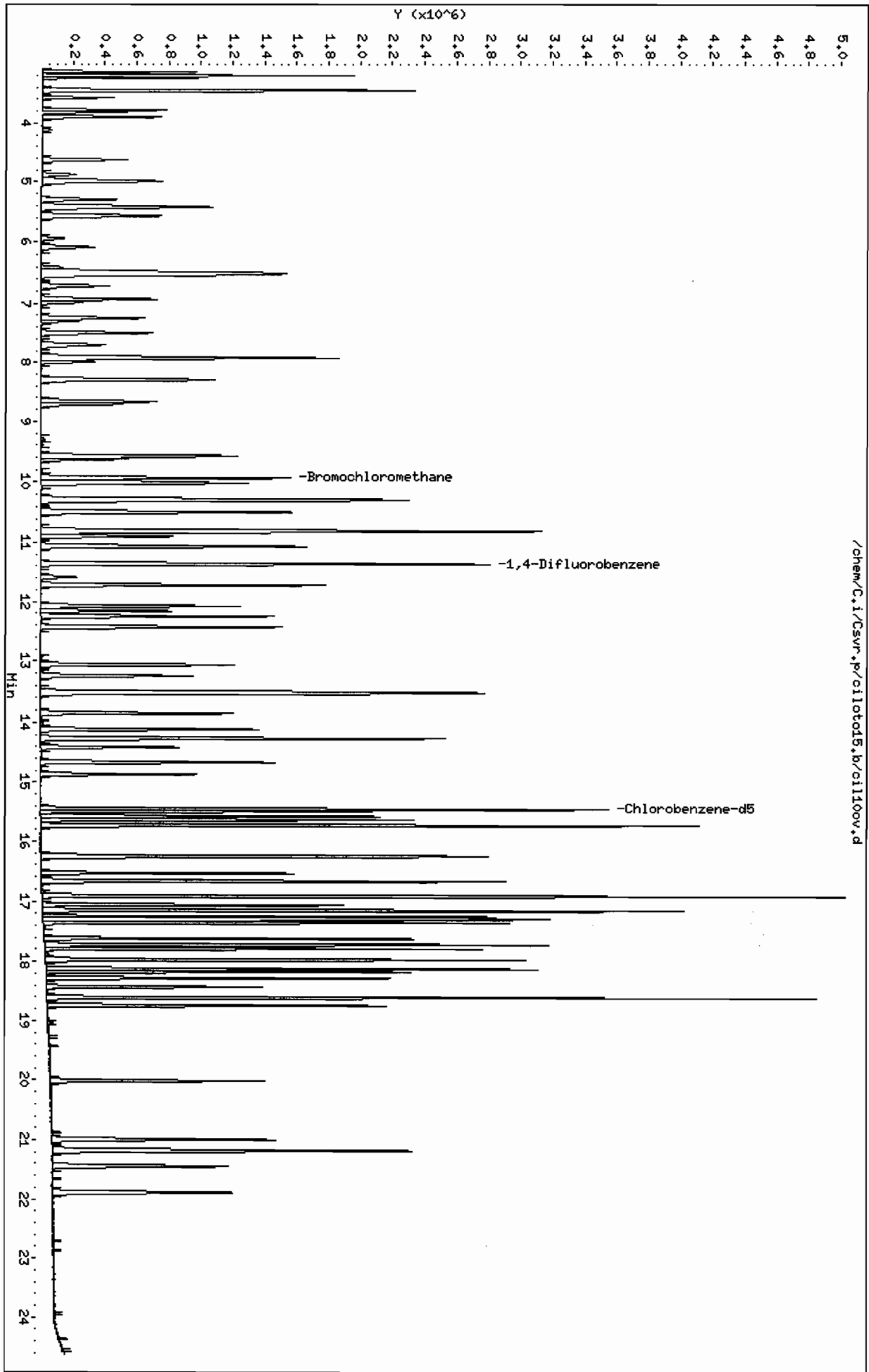
Purge Volume: 200.0

Column phase: RTX-624

Instrument: C.i

Operator: njr

Column diameter: 0.32



TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/C.i/Csvr.p/ciloto15.b/cil10ov.d
Lab Smp Id: ASTD010 Client Smp ID: ASTD010
Inj Date : 10-SEP-2009 08:26
Operator : njr Inst ID: C.i
Smp Info :
Misc Info : ASTD010;091009CA;1;200
Comment :
Method : /chem/C.i/Csvr.p/ciloto15.b/sto15.m
Meth Date : 17-Sep-2009 09:50 klp Quant Type: ISTD
Cal Date : 24-AUG-2009 07:25 Cal File: cil40v.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ROUX1_OCEAN.sub
Target Version: 3.50
Processing Host: chemsvr6

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

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

Cpnd Variable

Local Compound Variable

Compounds	QUANT SIG	AMOUNTS						
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppbv)	ON-COL (ppbv)
6 Vinyl Chloride	62	3.811	3.821	(0.384)		503399	10.0000	10
18 1,1-Dichloroethene	96	6.527	6.543	(0.657)		440181	10.0000	9.6
27 trans-1,2-Dichloroethene	61	7.920	7.936	(0.797)		743047	10.0000	9.4
31 cis-1,2-Dichloroethene	96	9.569	9.591	(0.963)		517703	10.0000	9.4
* 32 Bromochloromethane	128	9.932	9.948	(1.000)		521626	10.0000	(Q)
M 40 1,2-Dichloroethene (total)	61					1260750	20.0000	19
* 43 1,4-Difluorobenzene	114	11.357	11.379	(1.000)		2763401	10.0000	
45 Trichloroethene	95	11.715	11.736	(1.031)		699809	10.0000	10
57 Tetrachloroethene	166	14.266	14.282	(0.923)		971074	10.0000	12
* 61 Chlorobenzene-d5	117	15.456	15.472	(1.000)		2320581	10.0000	

QC Flag Legend

Q - Qualifier signal failed the ratio test.



Raw QC Data – TO-15 Volatile

Date : 23-AUG-2009 23:05

Client ID: VBFB

Instrument: C.i

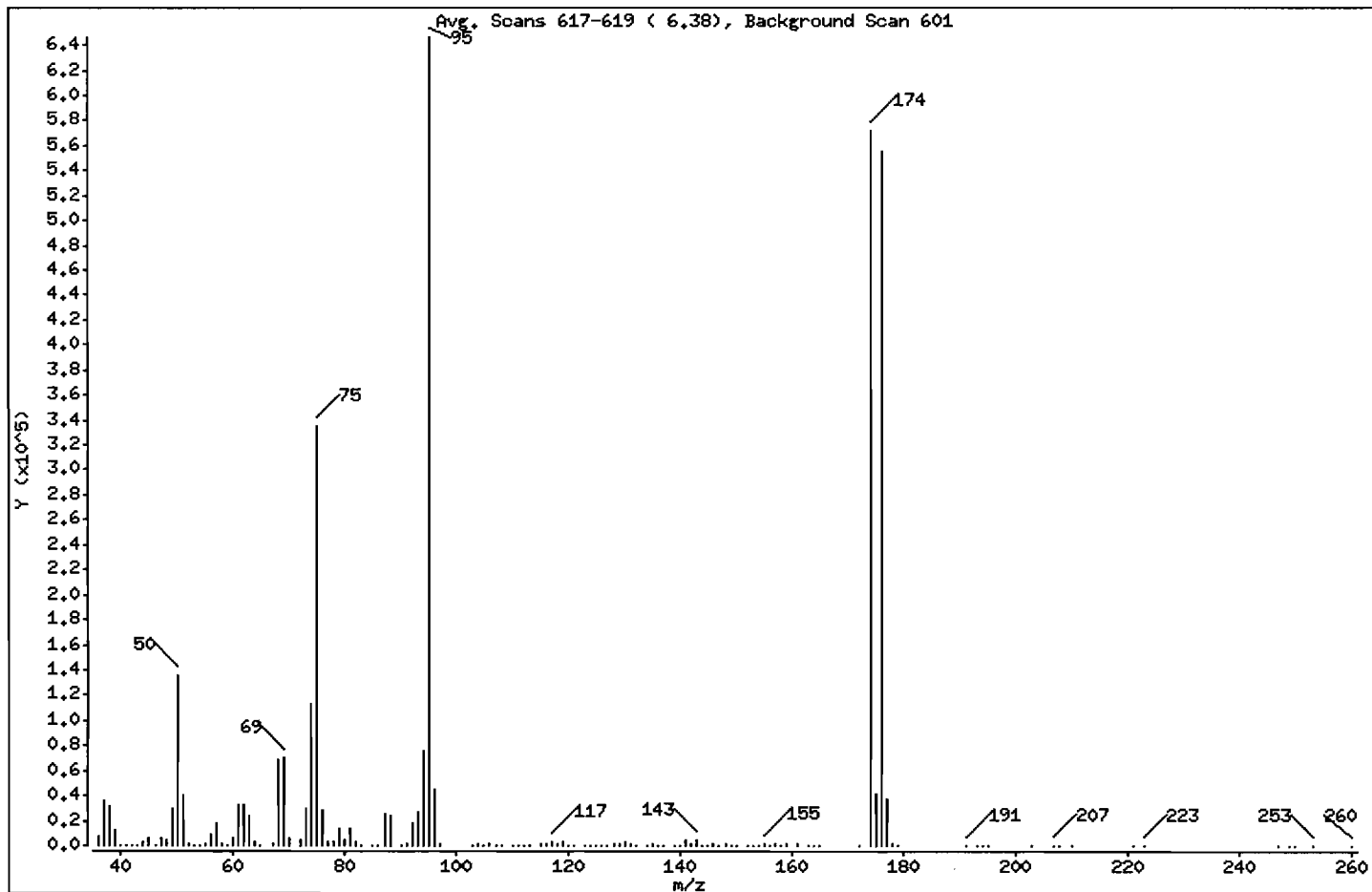
Sample Info: VBFB

Operator: njr

Column phase: RTX-624

Column diameter: 0.32

* 1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	21.07
75	30.00 - 66.00% of mass 95	51.93
96	5.00 - 9.00% of mass 95	6.86
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 120.00% of mass 95	88.59
175	4.00 - 9.00% of mass 174	6.46 (7.29)
176	93.00 - 101.00% of mass 174	86.05 (97.14)
177	5.00 - 9.00% of mass 176	5.68 (6.60)

Date : 23-AUG-2009 23:05

Client ID: VBFB

Instrument: C.i

Sample Info: VBFB

Operator: njr

Column phase: RTX-624

Column diameter: 0.32

Data File: cil01pv.d

Spectrum: Avg. Scans 617-619 (6.38), Background Scan 601

Location of Maximum: 95.00

Number of points: 135

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	6784	72.00	3888	115.00	806	153.00	428
37.00	35248	73.00	29840	116.00	2133	154.00	368
38.00	31168	74.00	113632	117.00	3036	155.00	1725
39.00	11238	75.00	335488	118.00	1833	156.00	531
40.00	468	76.00	28968	119.00	2625	157.00	1313
41.00	86	77.00	3321	120.00	82	158.00	276
42.00	6	78.00	2387	121.00	68	159.00	765
43.00	176	79.00	13302	123.00	147	161.00	889
44.00	3615	80.00	4746	124.00	222	163.00	5
45.00	5721	81.00	13704	125.00	351	164.00	124
46.00	460	82.00	3518	126.00	345	165.00	183
47.00	6458	83.00	332	127.00	234	172.00	162
48.00	4377	85.00	143	128.00	2148	174.00	572288
49.00	29328	86.00	691	129.00	1175	175.00	41736
50.00	136128	87.00	24640	130.00	2308	176.00	555968
51.00	40888	88.00	23680	131.00	922	177.00	36664
52.00	2044	90.00	71	132.00	84	178.00	1113
53.00	207	91.00	2110	134.00	487	179.00	77
54.00	68	92.00	17920	135.00	1306	191.00	248
55.00	1790	93.00	26608	136.00	43	193.00	140
56.00	9639	94.00	75936	137.00	704	194.00	88
57.00	17864	95.00	646080	139.00	194	195.00	6
58.00	880	96.00	44288	140.00	416	203.00	67
59.00	39	97.00	1637	141.00	4982	207.00	674
60.00	6648	103.00	609	142.00	793	208.00	109
61.00	32464	104.00	2208	143.00	5061	210.00	112
62.00	32480	105.00	697	144.00	305	221.00	145
63.00	24176	106.00	2232	145.00	206	223.00	152
64.00	2277	107.00	624	146.00	946	247.00	78
65.00	281	108.00	82	147.00	522	249.00	40
67.00	2002	110.00	284	148.00	1574	250.00	96
68.00	68248	111.00	351	149.00	688	253.00	302
69.00	69896	112.00	343	150.00	722	260.00	296
70.00	5759	113.00	311	152.00	341		

Date : 23-AUG-2009 23:05

Client ID: VBFB

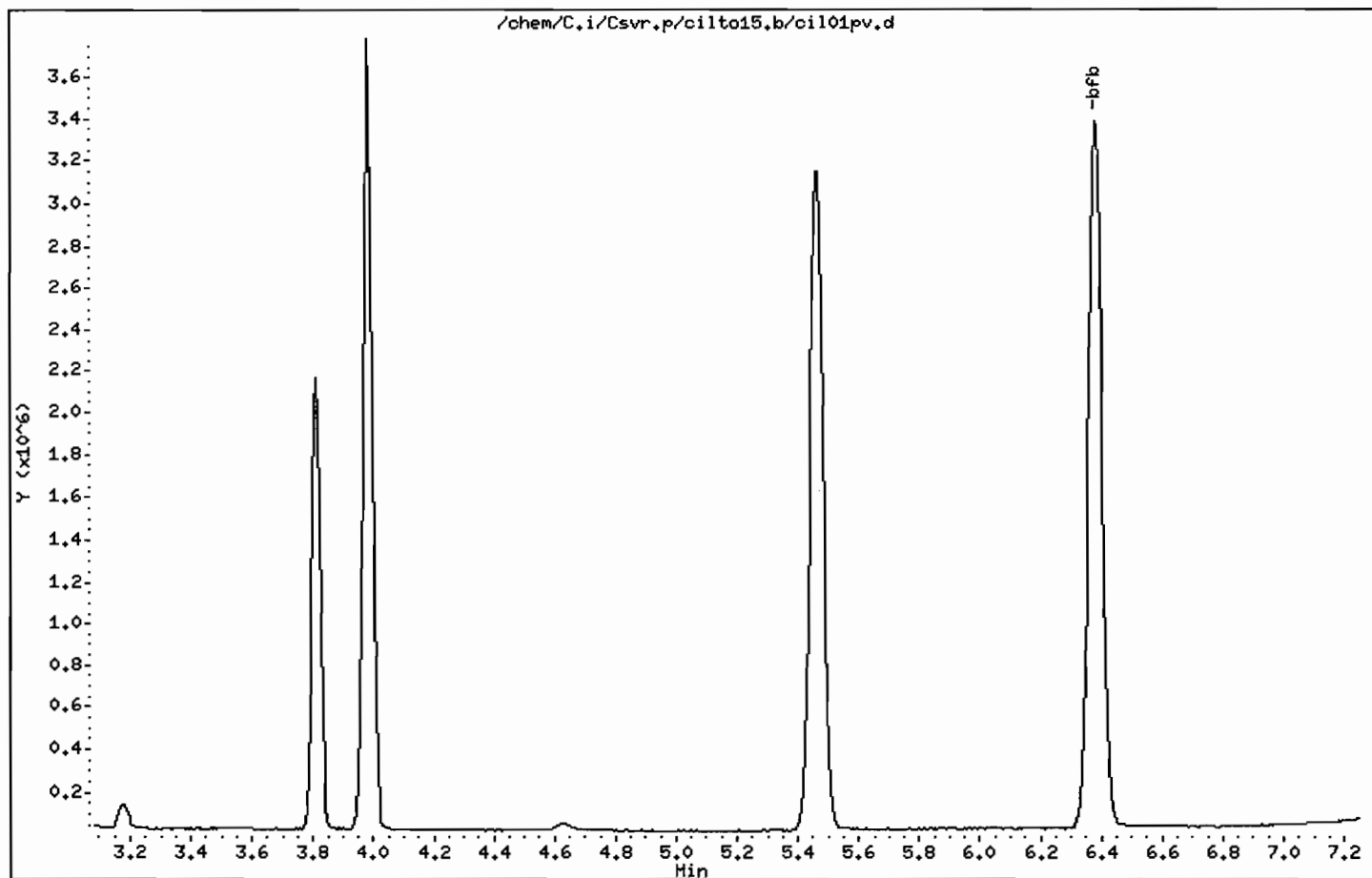
Instrument: C.i

Sample Info: VBFB

Operator: njr

Column phase: RTX-624

Column diameter: 0.32



Date : 10-SEP-2009 07:39

Client ID: VBFB

Instrument: C.i

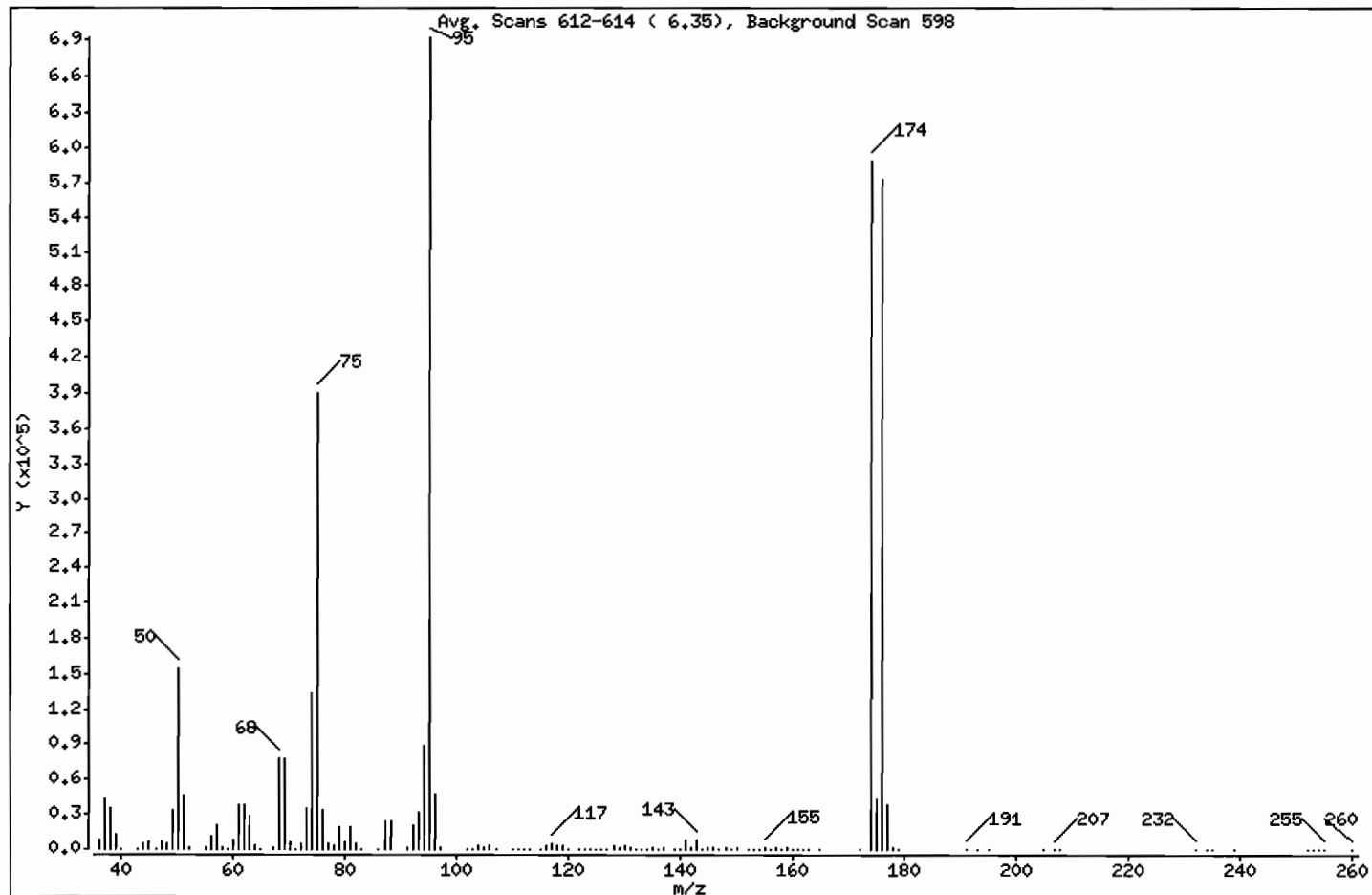
Sample Info: VBFB

Operator: njr

Column phase: RTX-624

Column diameter: 0.32

* 1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	22.34
75	30.00 - 66.00% of mass 95	56.22
96	5.00 - 9.00% of mass 95	6.96
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 120.00% of mass 95	85.13
175	4.00 - 9.00% of mass 174	6.27 (7.37)
176	93.00 - 101.00% of mass 174	82.70 (97.15)
177	5.00 - 9.00% of mass 176	5.51 (6.67)

Data File: /chem/C.i/Csvr,p/ciloto15,b/cil117pv.d

Page 1

Date : 10-SEP-2009 07:39

Client ID: VBFB

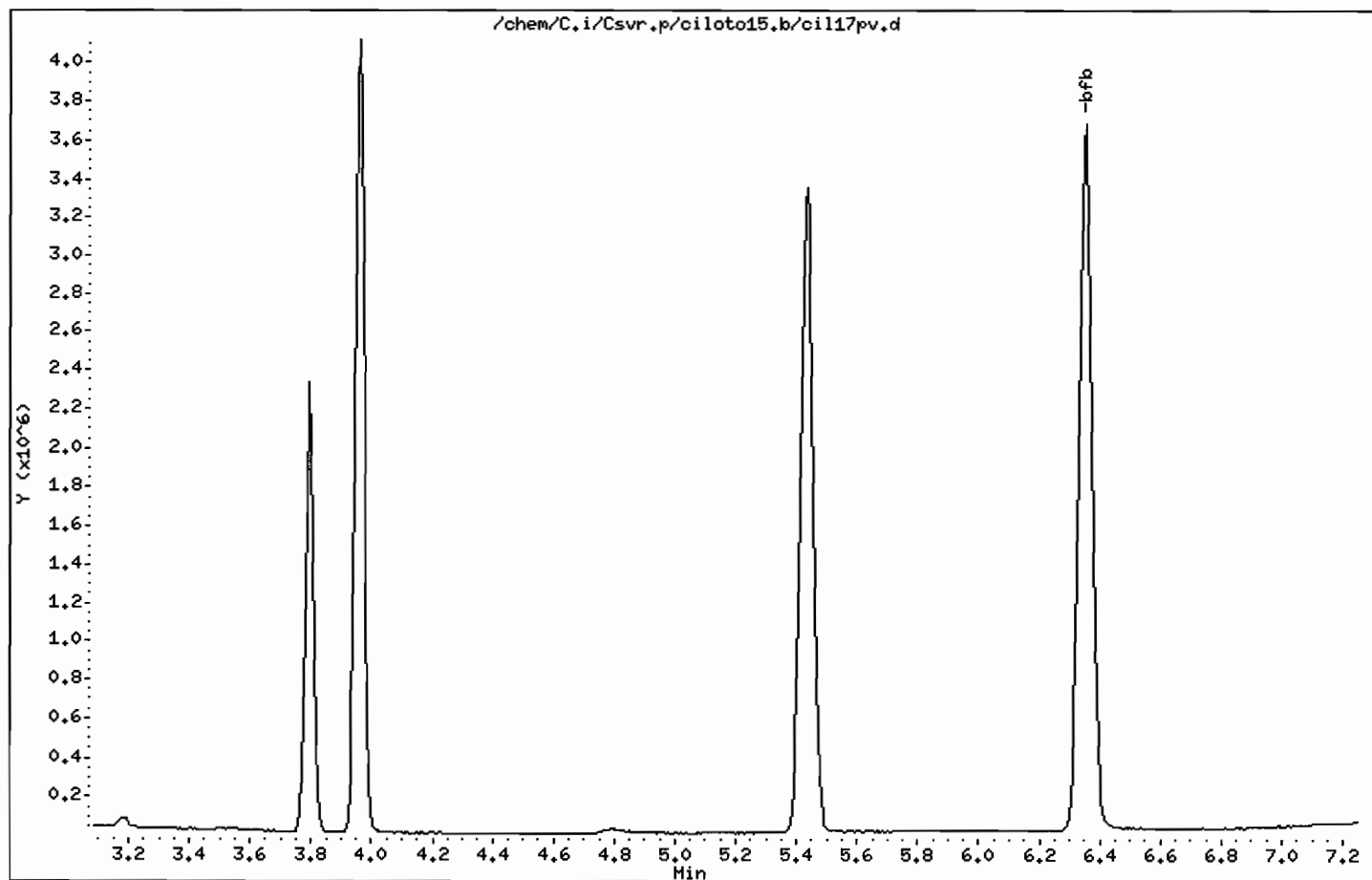
Instrument: C.i

Sample Info: VBFB

Operator: njr

Column phase: RTX-624

Column diameter: 0.32



FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MBLK091009CA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: NY133422

Matrix: (soil/water) AIR Lab Sample ID: MBLK091009CA

Sample wt/vol: 200.0 (g/mL) ML Lab File ID: CILB010

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 09/10/09

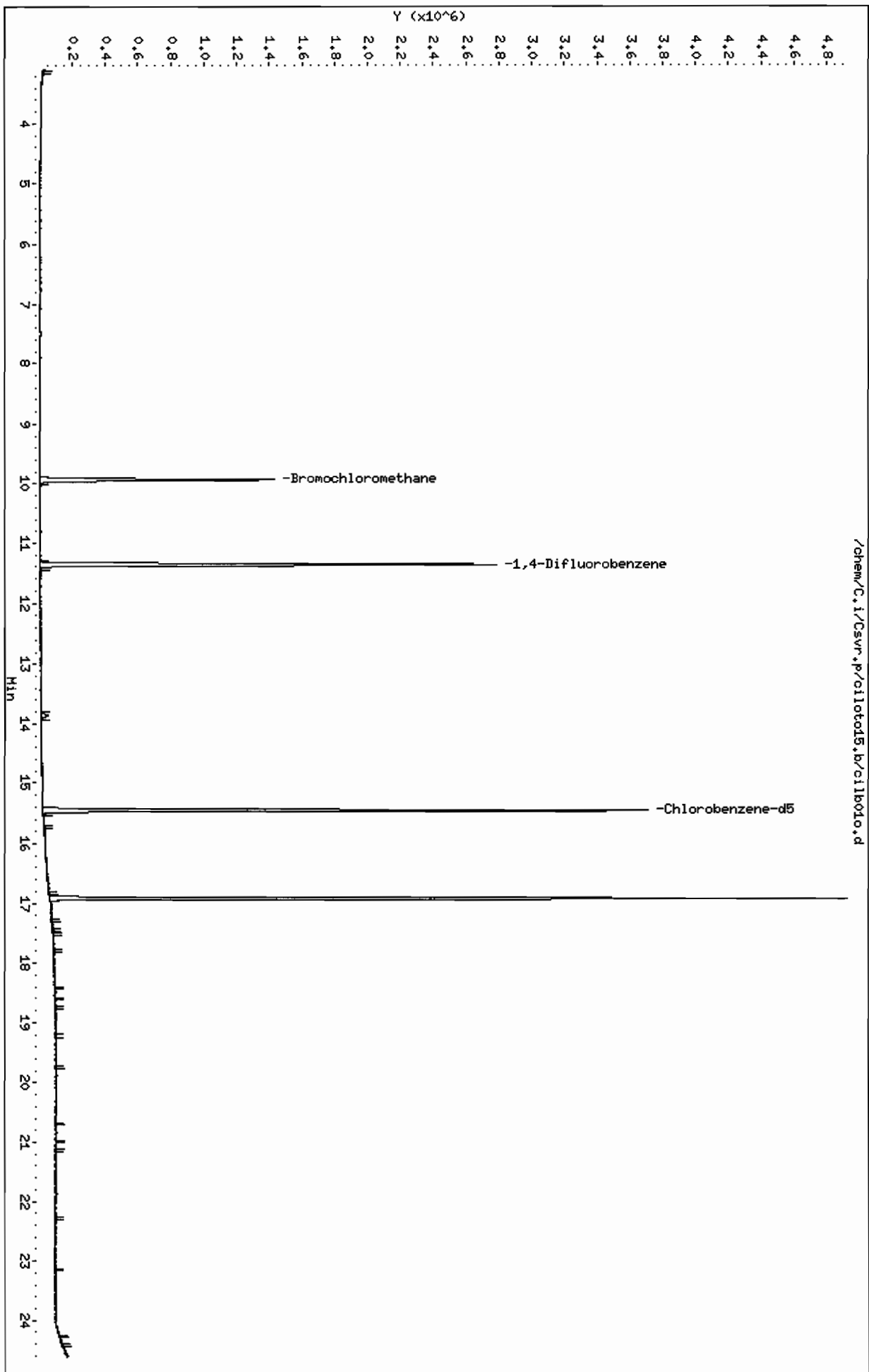
GC Column: RTX-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg) PPBV	Q
75-01-4-----	Vinyl Chloride	0.20	U
75-35-4-----	1,1-Dichloroethene	0.20	U
156-60-5-----	trans-1,2-Dichloroethene	0.20	U
156-59-2-----	cis-1,2-Dichloroethene	0.20	U
540-59-0-----	1,2-Dichloroethene (total)	0.20	U
79-01-6-----	Trichloroethene	0.20	U
127-18-4-----	Tetrachloroethene	0.20	U

Data File: /chem/C.i/Csvr.p/collot015.b/cilb010.d
 Date : 10-SEP-2009 10:02
 Client ID: MBLK091009CA
 Sample Info:
 Purge Volume: 200.0
 Column phase: RTX-624

Instrument: C.i
 Operator: njr
 Column diameter: 0.32



TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/C.i/Csvr.p/ciloto15.b/cilb01o.d
Lab Smp Id: MBLK091009CA Client Smp ID: MBLK091009CA
Inj Date : 10-SEP-2009 10:02
Operator : njr Inst ID: C.i
Smp Info :
Misc Info : MBLK091009CA;091009CA;1;200
Comment :
Method : /chem/C.i/Csvr.p/ciloto15.b/sto15.m
Meth Date : 17-Sep-2009 09:50 klp Quant Type: ISTD
Cal Date : 24-AUG-2009 07:25 Cal File: cil40v.d
Als bottle: 3 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ROUX1_OCEAN.sub
Target Version: 3.50
Processing Host: chemsvr6

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

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

Cpnd Variable

Local Compound Variable

Compounds	QUANT SIG	CONCENTRATIONS					
		RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ppbv)	FINAL (ppbv)
6 Vinyl Chloride	62						
18 1,1-Dichloroethene	96						
27 trans-1,2-Dichloroethene	61						
31 cis-1,2-Dichloroethene	96						
* 32 Bromochloromethane	128	9.927	9.948	(1.000)	484484	10.0000	(Q)
M 40 1,2-Dichloroethene (total)	61						
* 43 1,4-Difluorobenzene	114	11.357	11.379	(1.000)	2736086	10.0000	
45 Trichloroethene	95						
57 Tetrachloroethene	166						
* 61 Chlorobenzene-d5	117	15.456	15.472	(1.000)	2436275	10.0000	

QC Flag Legend

Q - Qualifier signal failed the ratio test.

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

CA091009LCS

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: NY133422

Matrix: (soil/water) AIR Lab Sample ID: CA091009LCS

Sample wt/vol: 200.0 (g/mL) ML Lab File ID: CIL100Q

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 09/10/09

GC Column: RTX-624 ID: 0.32 (mm) Dilution Factor: 1.0

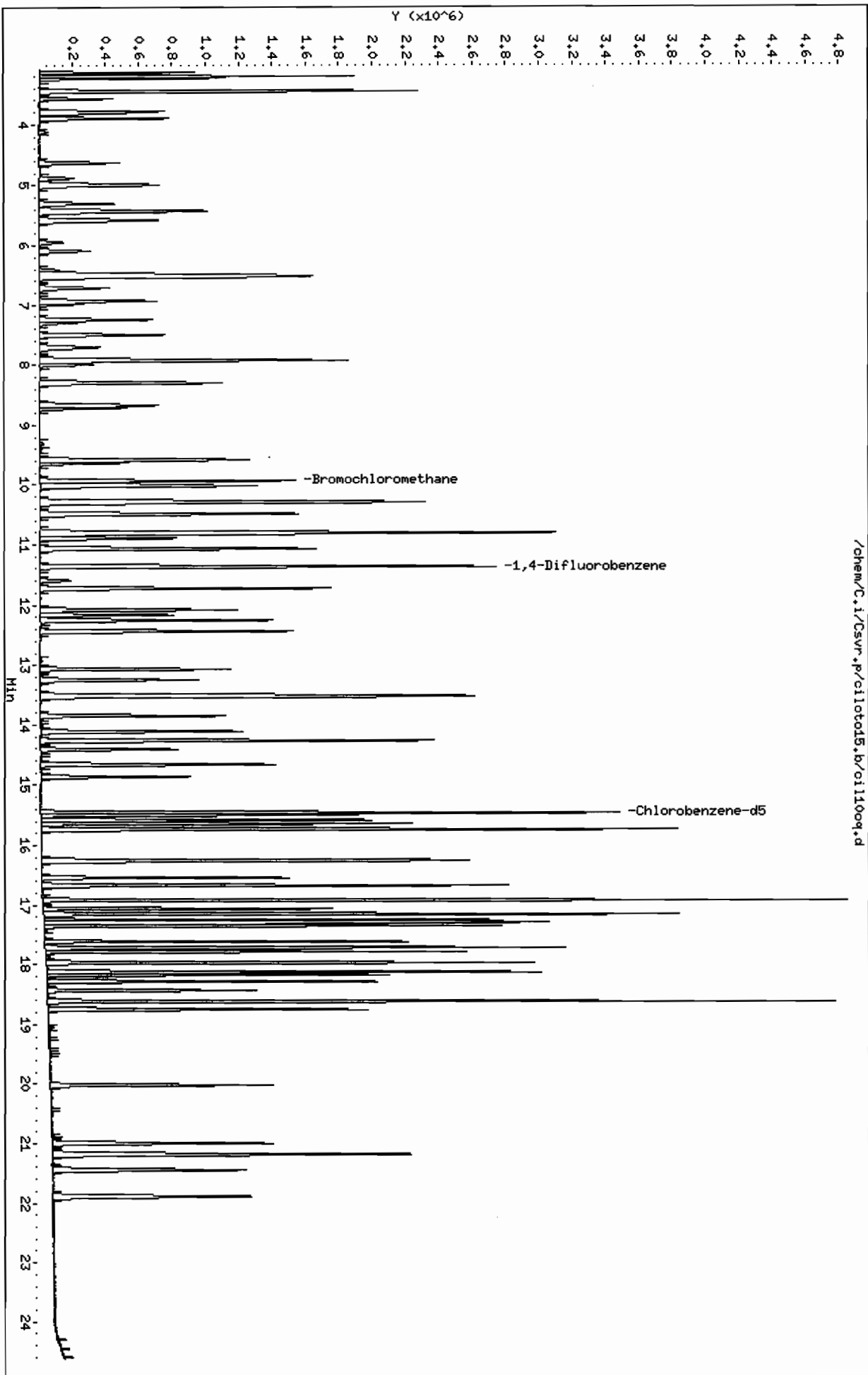
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) PPBV	Q
---------	----------	--	---

75-01-4-----	Vinyl Chloride	11	_____
75-35-4-----	1,1-Dichloroethene	11	_____
156-60-5-----	trans-1,2-Dichloroethene	9.9	_____
156-59-2-----	cis-1,2-Dichloroethene	9.7	_____
540-59-0-----	1,2-Dichloroethene (total)	20	_____
79-01-6-----	Trichloroethene	11	_____
127-18-4-----	Tetrachloroethene	11	_____

Data File: /chem/C.i/Csvr.p/ciloto15.b/oil100q.d
 Date : 10-SEP-2009 09:14
 Client ID: CA091009LCS
 Sample Info:
 Purge Volume: 200.0
 Column phase: RTX-624

Instrument: C.i
 Operator: njr
 Column diameter: 0.32



TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/C.i/Csvr.p/ciloto15.b/cil10oq.d
Lab Smp Id: CA091009LCS Client Smp ID: CA091009LCS
Inj Date : 10-SEP-2009 09:14
Operator : njr Inst ID: C.i
Smp Info :
Misc Info : CA091009LCS;091009CA;1;200
Comment :
Method : /chem/C.i/Csvr.p/ciloto15.b/sto15.m
Meth Date : 17-Sep-2009 09:50 klp Quant Type: ISTD
Cal Date : 24-AUG-2009 07:25 Cal File: cil40v.d
Als bottle: 2 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ROUX1_OCEAN.sub
Target Version: 3.50
Processing Host: chemsvr6

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

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

Cpnd Variable

Local Compound Variable

Compounds	QUANT SIG						CONCENTRATIONS	
	MASS	RT	EXP RT	REL RT	RESPONSE		ON-COLUMN	FINAL
							(ppbv)	(ppbv)
6 Vinyl Chloride	62	3.816	3.821	(0.384)	496071		10.5825	11
18 1,1-Dichloroethene	96	6.527	6.543	(0.657)	466000		10.5002	11
27 trans-1,2-Dichloroethene	61	7.926	7.936	(0.798)	751831		9.85854	9.9
31 cis-1,2-Dichloroethene	96	9.569	9.591	(0.963)	515356		9.70263	9.7
* 32 Bromochloromethane	128	9.932	9.948	(1.000)	503880		10.0000	
M 40 1,2-Dichloroethene (total)	61				1267187		19.5612	20
* 43 1,4-Difluorobenzene	114	11.357	11.379	(1.000)	2657938		10.0000	
45 Trichloroethene	95	11.715	11.736	(1.031)	683365		10.5389	11
57 Tetrachloroethene	166	14.266	14.282	(0.923)	909438		11.4503	11
* 61 Chlorobenzene-d5	117	15.456	15.472	(1.000)	2230025		10.0000	



Sample Preparation – TO-15 Volatile

TestAmerica Burlington - Manual Integration Summary
SDG: cilt015 Fraction: Volatile

==== Instrument C - No Manual Integrations =====

JFD 08/27/09

TestAmerica Burlington - Manual Integration Summary
SDG: NY133422 Fraction: Volatile

KLP 09/17/09

===== Instrument C - No Manual Integrations =====

Client ID	Case #	File #	Date	Time	Lat	Long	Alt	Speed
ROUX1	NY133422	133422	9-5-09	1457	29.8	21	G4	J.A.

Post-Sampling Return Pressure Check

¹ Criteria: Return Pressure should be between -1 and -10 ("Hg)
² If return pressure is not within criteria, initiate anomaly report.
³ Record the ID of the FC used for sampling if information is provided, otherwise leave blank.

GC/MS INSTRUMENT RUN LOG

Sequence		Standard Traceability		Instrument Information							
Batch ID:	Start Date:	Time:	ISTD Lot #:	Instrument ID:	C						
Test Method:	End Date:	Time:	CAL STD Lot #:	Instrument:	5973						
ICAL Date:			ICV/LCS Lot #:	Column Type:	RTX-624						
Manager	Analyst	Analyst	Analyst	Analyst	Analyst						
Name/Initial	Signature	Signature	Signature	Signature	Signature						
Sequence Information		Individual Sample Review									
Injection Time	Lab ID / File Name	Summa Can ID	ETR	Dilution Factor	Inlet #	Volume (mL)	Operator	Internal Std.	Result Conc.	Primary Anal.	Comments / Standard Traceability
2305	C1C01RV	855NA	DFB	NA	1	200	NIF	NA	✓	NJA	AT-073109-03
0010	C1C001	4633	NA		1				✓	WRD	AT-081909-02
0058	C1C002				1				✓		AT-072909-13
0146	C1C003				1				✓		AT-081209-05
0234	C1C002V	2640	Level 1		2				✓		AT-072909-07
0322	C1C005V	3640	Level 2		3				✓		AT-072909-07
0410	C1C005V	3332	Level 3/4		4				✓		AT-072909-07
0500	C1C10V	4428	Level 4/5		5				✓		AT-072909-07
0548	C1C15V	3147	Level 5/6		6				✓		AT-072909-07
0637	C1C20V	3564	Level 6/7		7				✓		AT-072909-07
0725	C1C40V	3968	Level 7/8		8				✓		AT-072909-07
0813	C1C804	4633	NA		1				✓		A
0901	C1C10Q	6526	TCV		9				✓		
0948	C1C10Q	4633	MAX		1	200	WRD		✓		
1042	C1C002Q	2640	0.2RLLCS		2				✓		AG AT-073109-03
1130	C1C005Q	3640	0.5RLLCS		3				✓		1A AT-061909-02
1217	C1C05Q	3332	5.0RLLCS		4				✓		AG AT-072909-13
1305	80353502	4853	133085	50	10	40			✓		COF 10.0 C
1353	80354002	3691		62.5	11	80			✓		25.0 C
1442	80354002	2984		201	12	40			✓		40.1 C
1530	80354502	4844		667	13	30			✓		10.0 C
1643	C1C10V2	4428	CCV2	N/A	5	200	WRD	N/A	✓		
PAD 8/23/09											

Legend: C=Complete R=Reanalyze = High = Low = Reviewed and Acceptable

GC/MS INSTRUMENT RUN LOG

Sequence				Standard Traceability				Instrument Information	
Batch ID:	Start Date:	Time:	ISTD Lot #:	Instrument ID:	Instrument ID:	Instrument ID:	Instrument ID:	Instrument ID:	Instrument ID:
Test Method:	End Date:	Time:	CAL STD Lot #:	Instrument ID:	Instrument ID:	Instrument ID:	Instrument ID:	Instrument ID:	Instrument ID:
ICAL Date:	Manager	Analyst	ICV/LCS Lot #:	Analyst	Analyst	Analyst	Analyst	Analyst	Analyst
0739	CIL170V	NA	3203	BEB	NA	7	200	NA	NTK
0826	CIL100V	3203	3203	CCV	1	200	200	NTK	NTK
0914	CIL100Q	2960	2960	LCS	2	1	1	1	14 Acetone
1002	CIL1010	4634	4634	MBK	3	1	1	1	14 Acetone
1051	8057292	BA19	133410	133410	4	10	10	NTK	DF200
1139	8057302	4388	133415	133415	5	10	10	NTK	DF200
1227	8057312	4292	133416	133416	6	80	80	NTK	DF200
1315	8057322	3836	133416	133416	7	20	20	NTK	DF200
1403	8057332	3136	133422	133422	8	57	57	NTK	DF200
1507	8057342	4388	133415	133415	9	57	57	WNO	DF200
1555	805612	4292	133416	133416	10	20	20	NTK	DF200
1644	805627	3836	133416	133416	11	20	20	NTK	DF200
1732	805628	3136	133422	133422	12	20	20	NTK	DF200
1820	8056482	4824	133411	133411	13	50	50	NTK	DF200
1709	8056052	4824	133411	133411	14	22	22	NTK	DF200
1959	3141	NA	NA	NA	15	1000	1000	NTK	DF200
2050	3390	NA	NA	NA	16	1000	1000	NTK	DF200
2140	3795	NA	NA	NA	17	1000	1000	NTK	DF200
2224	4923	NA	NA	NA	18	1000	1000	NTK	DF200
2357	805832	6919	133412	133412	19	200	200	NTK	DF200
6005	805833	1	133416	133416	20	200	200	NTK	DF200
6053	805834	1	133417	133417	21	200	200	NTK	DF200
605835	805835	1	133417	133417	22	200	200	NTK	DF200
6141	8056052	4824	133411	133411	23	33	33	NTK	DF200

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



Sample Handling

28

28

FedEx ^{US} **Airbill**
Express

 FedEx
Tracking
Number

8693 1896 4228

1 From This portion can be removed for Recipient's records

 Date 5/14/99 FedEx Tracking Number

8693 1896 4228

 Sender's Name Mr. J. L. Smith Phone 407 234-1110

 Company JOHN DEERE TRACTOR CO.

 Address 207 SHAWNEE DR

 City DEARBORN

 State MI

 ZIP 48124

Dept./Plant/Store/Room

2 Your Internal Billing Reference

 3 To
Recipient's
Name

Company

 Recipient's
Address

We cannot deliver to P.O. boxes or P.D. ZIP codes.

Address

To request a package be held at a specific FedEx location, print FedEx address here.

City

State

ZIP

Dept./Plant/Store/Room



8693 1896 4228

0315

Recipient's Copy

4a Express Package Service
☒ **FedEx Priority Overnight**
Next business day, 7:00 a.m. to 7:00 p.m.
Shipments will be delivered on Monday
unless SATURDAY Delivery is selected.

☐ **FedEx 2Day**
Second business day, 7:00 a.m. to 7:00 p.m.
Shipments will be delivered on Monday
unless SATURDAY Delivery is selected.

☐ **FedEx 1Day Freight***
Next business day, 7:00 a.m. to 7:00 p.m.
Shipments will be delivered on Monday
unless SATURDAY Delivery is selected.

☐ **FedEx Standard Overnight**
Next business day, 7:00 a.m. to 7:00 p.m.
Shipments will be delivered on Monday
unless SATURDAY Delivery is selected.

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4b Express Freight Service
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☐ **FedEx 2Day Freight**
Second business day, 7:00 a.m. to 7:00 p.m.
Shipments will be delivered on Monday
unless SATURDAY Delivery is selected.

☐ **FedEx 3Day Freight**
Third business day, 7:00 a.m. to 7:00 p.m.
Shipments will be delivered on Monday
unless SATURDAY Delivery is selected.

☐ **FedEx 4Day Freight**
Fourth business day, 7:00 a.m. to 7:00 p.m.
Shipments will be delivered on Monday
unless SATURDAY Delivery is selected.

☐ **FedEx 5Day Freight**
Fifth business day, 7:00 a.m. to 7:00 p.m.
Shipments will be delivered on Monday
unless SATURDAY Delivery is selected.

☐ **FedEx 6Day Freight**
Sixth business day, 7:00 a.m. to 7:00 p.m.
Shipments will be delivered on Monday
unless SATURDAY Delivery is selected.

☐ **FedEx 7Day Freight**
Seventh business day, 7:00 a.m. to 7:00 p.m.
Shipments will be delivered on Monday
unless SATURDAY Delivery is selected.

☐ **FedEx 8Day Freight**
Eighth business day, 7:00 a.m. to 7:00 p.m.
Shipments will be delivered on Monday
unless SATURDAY Delivery is selected.

☐ **FedEx 9Day Freight**
Ninth business day, 7:00 a.m. to 7:00 p.m.
Shipments will be delivered on Monday
unless SATURDAY Delivery is selected.

☐ **FedEx 10Day Freight**
Tenth business day, 7:00 a.m. to 7:00 p.m.
Shipments will be delivered on Monday
unless SATURDAY Delivery is selected.

☐ **FedEx 11Day Freight**
Eleventh business day, 7:00 a.m. to 7:00 p.m.
Shipments will be delivered on Monday
unless SATURDAY Delivery is selected.

☐ **FedEx 12Day Freight**
Twelfth business day, 7:00 a.m. to 7:00 p.m.
Shipments will be delivered on Monday
unless SATURDAY Delivery is selected.

☐ **FedEx 13Day Freight**
Thirteenth business day, 7:00 a.m. to 7:00 p.m.
Shipments will be delivered on Monday
unless SATURDAY Delivery is selected.

☐ **FedEx 14Day Freight**
Fourteenth business day, 7:00 a.m. to 7:00 p.m.
Shipments will be delivered on Monday
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☐ **FedEx 15Day Freight**
Fifteenth business day, 7:00 a.m. to 7:00 p.m.
Shipments will be delivered on Monday
unless SATURDAY Delivery is selected.

5 Packaging
☐ **FedEx Pak***
Includes FedEx Small Pak,
FedEx Large Pak, and FedEx Sturdy Pak.

☐ **FedEx Tube**
☐ **FedEx Box**
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6 Special Handling
☒ **SATURDAY Delivery**
Shipments will be delivered on Saturday
unless SATURDAY Delivery is selected.

☐ **HOLD Weekday**
Shipments will be held at FedEx location
on Monday through Friday unless
SATURDAY Delivery is selected.

☐ **HOLD Saturday**
Shipments will be held at FedEx location
on Saturday unless SATURDAY Delivery
is selected.

☐ **HOLD Sunday**
Shipments will be held at FedEx location
on Sunday unless SATURDAY Delivery
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☐ **HOLD Monday**
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☐ **HOLD Wednesday**
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☐ **HOLD Friday**
Shipments will be held at FedEx location
on Friday unless SATURDAY Delivery
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fedex.com 1.800.GoFedEx 1.800.463.3339

TestAmerica Burlington
SAMPLE RECEIPT & LOG IN CHECKLIST

Client: ROUX	Date Received: 09/05/09	Log In Date: 09/05/09
ETR: 133 422	Time Received: 10:00	By: UP
SDG: NV133 422	Received By: CK	Signature: [Signature]
Project: 29000	# Coolers Received: 1 Box	PM Signature: [Signature]
Samples Delivered By: ☒ Shipping Service ☐ Courier ☐ Hand ☐ Other (specify)		Date: 9/16/09
List Air bill Number(s) or Attach a photocopy of the Air Bill:		

COOLER SCREEN	YES	NO	NA	COMMENTS
There is <u>no</u> evidence to indicate tampering	X			
Custody seals are present and intact	X			
Custody seal numbers are present		X		
If yes, list custody seal numbers:				

Thermal Preservation Type: ☐ Wet Ice ☐ Blue Ice ☒ None ☐ Other (specify)

IR Gun ID: 96	Correction Factor (CF) = 0 °C				
Cooler 1: AIR °C	Cooler 6 °C	Cooler 11 °C	Cooler 16 °C		
Cooler 2: °C	Cooler 7 °C	Cooler 12 °C	Cooler 17 °C		
Cooler 3: °C	Cooler 8 °C	Cooler 13 °C	Cooler 18 °C		
Cooler 4: °C	Cooler 9 °C	Cooler 14 °C	Cooler 19 °C		
Cooler 5: °C	Cooler 10 °C	Cooler 15 °C	Cooler 20 °C		

Unless otherwise documented, the recorded temperature readings are adjusted readings to account for the CF of the IR Gun

EPA Criteria: 0-6°C, except for air and geo samples which should be at ambient temperature and tissue samples, which may be frozen.

Some clients require thermal preservation criteria of 2-4°C or other such criteria. The PM must notify SM when alternate criteria is specified.

SAMPLE CONDITION	YES	NO	NA	COMMENTS
Sample containers were received intact	YES			
Legible sample labels are affixed to each container	YES			
CHAIN OF CUSTODY (COC)	YES	NO	NA	COMMENTS

COC is present and includes the following information for each container:

• Sample ID / Sample Description	XX			
• Date of Sample Collection	XX			
• Time of Sample Collection	XX			
• Identification of the Sampler	XX			
• Preservation Type			Y	
• Requested Tests Method(s)	XX			
• Necessary Signatures	XX			
Internal Chain of Custody (ICOC) Required		X		
If yes to above, ICOC Record initiated for every Worksheet			X	

SAMPLE INTEGRITY / USABILITY	YES	NO	NA	COMMENTS
The sample container matches the COC	XX			
Appropriate sample containers were received for the tests requested	XX			
Samples were received within holding time	XX			
Sufficient amount of sample is provided for requested analyses	XX			
VOA vials do not have headspace or a bubble >6mm (1/4" diameter)			XX	
Appropriate preservatives were used for the tests requested			XX	
pH of inorganic samples checked and is within method specification			XX	
If no, attach Inorganic Sample pH Adjustment Form			XX	

ANOMALY / NCR SUMMARY

TestAmerica
South Burlington, VT
Extended Data Package

NY133428

TestAmerica Laboratories, Inc.

September 17, 2009

Mr. Rob Kovacs
Roux Associates
209 Shafter Street
Islandia, NY 11749

Re: Laboratory Project No. 29000
Case: 29000; SDG: NY133428

Dear Mr. Kovacs:

Enclosed are the analytical results for the samples that were received by TestAmerica Burlington on September 4th, 2009. Laboratory identification numbers were assigned, and designated as follows:

<u>Lab ID</u>	<u>Client Sample ID</u>	<u>Sample Date</u>	<u>Sample Matrix</u>
Received: 09/04/09 ETR No: 133420			
805636	IAQ-VAC	09/02/09	AIR
805637	AMB-FENCE	09/02/09	AIR
805638	IAQ-BOOK	09/02/09	AIR

Documentation of the condition of the samples at the time of their receipt and any exception to the laboratory's Sample Acceptance Policy is documented in the Sample Handling section of this submittal.

The volatile organics analyses for samples IAQ-VAC and IAQ-BOOK were accomplished at dilution based on screen analyses, to ensure quantitation of all target constituents within the range of calibrated instrument response.

Any reference within this report to Severn Trent Laboratories, Inc. or STL, should be understood to refer to TestAmerica Laboratories, Inc. (formerly known as Severn Trent Laboratories, Inc.) The analytical results associated with the samples presented in this test report were generated under a quality system that adheres to requirements specified in the NELAC standard. Release of the data in this test report and any associated electronic deliverables is authorized by the Laboratory Director's designee as verified by the following signature.



If there are any questions regarding this submittal, please contact me at 802 660-1990.

Sincerely,

A handwritten signature in black ink, appearing to read 'DD', is placed above the printed name.

Don Dawicki
Project Manager

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TO-14/15
Result Summary

CLIENT SAMPLE NO.

IAQ-VAC

Lab Name: TAL Burlington

SDG Number: NY133428

Dilution Factor: 5.00

Sample Matrix: AIR

Lab Sample No.: 805636

Date Analyzed: 9/9/2009

Date Received: 9/4/2009

Target Compound	CAS Number	Results in ppbv	Q	RL in ppbv	Results in ug/m3	Q	RL in ug/m3
Vinyl Chloride	75-01-4	1.0	U	1.0	2.6	U	2.6
1,1-Dichloroethene	75-35-4	1.0	U	1.0	4.0	U	4.0
trans-1,2-Dichloroethene	156-60-5	1.0	U	1.0	4.0	U	4.0
cis-1,2-Dichloroethene	156-59-2	1.0	U	1.0	4.0	U	4.0
1,2-Dichloroethene (total)	540-59-0	1.0	U	1.0	4.0	U	4.0
Trichloroethene	79-01-6	1.0	U	1.0	5.4	U	5.4
Tetrachloroethene	127-18-4	130		1.0	880		6.8

**TO-14/15
Result Summary**

CLIENT SAMPLE NO.

AMB-FENCE

Lab Name: TAL Burlington

SDG Number: NY133428

Dilution Factor: 0.80

Sample Matrix: AIR

Lab Sample No.: 805637

Date Analyzed: 9/9/2009

Date Received: 9/4/2009

Target Compound	CAS Number	Results in ppbv	Q	RL in ppbv	Results in ug/m3	Q	RL in ug/m3
Vinyl Chloride	75-01-4	0.16	U	0.16	0.41	U	0.41
1,1-Dichloroethene	75-35-4	0.16	U	0.16	0.63	U	0.63
trans-1,2-Dichloroethene	156-60-5	0.16	U	0.16	0.63	U	0.63
cis-1,2-Dichloroethene	156-59-2	0.16	U	0.16	0.63	U	0.63
1,2-Dichloroethene (total)	540-59-0	0.16	U	0.16	0.63	U	0.63
Trichloroethene	79-01-6	0.16	U	0.16	0.86	U	0.86
Tetrachloroethene	127-18-4	0.16	U	0.16	1.1	U	1.1

**TO-14/15
Result Summary**

CLIENT SAMPLE NO.

IAQ-BOOK

Lab Name: TAL Burlington

SDG Number: NY133428

Dilution Factor: 2.50

Sample Matrix: AIR

Lab Sample No.: 805638

Date Analyzed: 9/9/2009

Date Received: 9/4/2009

Target Compound	CAS Number	Results in ppbv	Q	RL in ppbv	Results in ug/m3	Q	RL in ug/m3
Vinyl Chloride	75-01-4	0.50	U	0.50	1.3	U	1.3
1,1-Dichloroethene	75-35-4	0.50	U	0.50	2.0	U	2.0
trans-1,2-Dichloroethene	156-60-5	0.50	U	0.50	2.0	U	2.0
cis-1,2-Dichloroethene	156-59-2	0.50	U	0.50	2.0	U	2.0
1,2-Dichloroethene (total)	540-59-0	0.50	U	0.50	2.0	U	2.0
Trichloroethene	79-01-6	0.50	U	0.50	2.7	U	2.7
Tetrachloroethene	127-18-4	74		0.50	500		3.4

**TO-14/15
Result Summary**

CLIENT SAMPLE NO.

CA090809LCS

Lab Name: TAL Burlington

SDG Number: NY133428

Dilution Factor: 1.00

Sample Matrix: AIR

Lab Sample No.: CA090809

Date Analyzed: 9/8/2009

Date Received: / /

Target Compound	CAS Number	Results in ppbv	Q	RL in ppbv	Results in ug/m3	Q	RL in ug/m3
Vinyl Chloride	75-01-4	10		0.20	26		0.51
1,1-Dichloroethene	75-35-4	11		0.20	44		0.79
trans-1,2-Dichloroethene	156-60-5	9.7		0.20	38		0.79
cis-1,2-Dichloroethene	156-59-2	9.8		0.20	39		0.79
1,2-Dichloroethene (total)	540-59-0	20		0.20	79		0.79
Trichloroethene	79-01-6	11		0.20	59		1.1
Tetrachloroethene	127-18-4	12		0.20	81		1.4

**TO-14/15
Result Summary**

CLIENT SAMPLE NO.

MBLK090809CA

Lab Name: TAL Burlington

SDG Number: NY133428

Dilution Factor: 0.80

Sample Matrix: AIR

Lab Sample No.: MBLK0908

Date Analyzed: 9/9/2009

Date Received: / /

Target Compound	CAS Number	Results in ppbv	Q	RL in ppbv	Results in ug/m3	Q	RL in ug/m3
Vinyl Chloride	75-01-4	0.16	U	0.16	0.41	U	0.41
1,1-Dichloroethene	75-35-4	0.16	U	0.16	0.63	U	0.63
trans-1,2-Dichloroethene	156-60-5	0.16	U	0.16	0.63	U	0.63
cis-1,2-Dichloroethene	156-59-2	0.16	U	0.16	0.63	U	0.63
1,2-Dichloroethene (total)	540-59-0	0.16	U	0.16	0.63	U	0.63
Trichloroethene	79-01-6	0.16	U	0.16	0.86	U	0.86
Tetrachloroethene	127-18-4	0.16	U	0.16	1.1	U	1.1

TestAmerica Burlington Data Qualifier Definitions

Organic

- U: Compound analyzed but not detected at a concentration above the reporting limit.
- J: Estimated value.
- N: Indicates presumptive evidence of a compound. This flag is used only for tentatively identified compounds (TICs) where the identification of a compound is based on a mass spectral library search.
- P: SW-846: The relative percent difference for detected concentrations between two GC columns is greater than 40%. Unless otherwise specified the higher of the two values is reported on the Form I.
- CLP SOW: Greater than 25% difference for detected concentrations between two GC columns. Unless otherwise specified the lower of the two values is reported on the Form I.
- C: Pesticide result whose identification has been confirmed by GC/MS.
- B: Analyte is found in the sample and the associated method blank. The flag is used for tentatively identified compounds as well as positively identified compounds.
- E: Compounds whose concentrations exceed the upper limit of the calibration range of the instrument for that specific analysis.
- D: Concentrations identified from analysis of the sample at a secondary dilution.
- A: Tentatively identified compound is a suspected aldol condensation product.
- X,Y,Z: Laboratory defined flags that may be used alone or combined, as needed. If used, the description of the flag is defined in the project narrative.

Inorganic/Metals

- E: Reported value is estimated due to the presence of interference.
- N: Matrix spike sample recovery is not within control limits.
- * Duplicate sample analysis is not within control limits.
- B: The result reported is less than the reporting limit but greater than the instrument detection limit.
- U: Analyte was analyzed for but not detected above the reporting limit.

Method Codes:

- P ICP-AES
MS ICP-MS
CV Cold Vapor AA
AS Semi-Automated Spectrophotometric

FQA009:02.18.08:4
TestAmerica Burlington



Chain of Custody

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: Rob Kovacs		Samples Collected By: Jessica Collins		1 of 1 COCs	
Company: Raux Associates		Phone: 631-232-2600					
Address: 209 Shaker St		Email: rkovacs@rauxinc.com					
City/State/Zip: Blondie, NY 11749		Site Contact: Rob Kovacs					
Phone: 631-232-2600		TA Contact:					
FAX: 631-232-9898		Analysis Turnaround Time					
Project Name: GEMCHAM		Standard (Specify)					
Site: Oceanside, NY		Rush (Specify)					
PO #							
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
VS-MRE	9/12/09	1006	1602	30	0	3304	4484
IAG-VAC	9/2/09	1011	1806	-30	5.5	4492	3396
AMB-FENCE	9/2/09	1015	1804	-30	5	2431	3320
IAG-BOOK	9/2/09	1009	1808	-30	5.5	3479	4917
Also returning 6 unused summas and 6 unused regulators DO NOT ANALYZE VS-MRE							
Special Instructions/QC Requirements & Comments: Please analyze samples for 1,1-Dichloroethene, Cis-1,2-Dichloroethene, Trans-1,2-Dichloroethene, 1,2-Dichloroethene (total), Tetrachloroethene, Trichloroethene, and Vinyl Chloride using method TO-15. All results must have a detection limit of 1 ug/m³ or less, and provide NYSDEC ASP Category B deliverable. (TWO WEEK TAT)							
Samples Relinquished by:		Date/Time: 9/3/09 0830		Sample Received by: [Signature]		Date/Time: 9/10/09 1025	
Samples Relinquished by:		Date/Time:		Received by:			
Relinquished by:		Date/Time:		Received by:			

Lab Use Only Shipper Name Condition



QC Summary – TO-15 Volatile

FORM 3
AIR VOLATILE LAB CONTROL SAMPLE

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: NY133428

Matrix Spike - Sample No.: CA090809LCS

COMPOUND	SPIKE ADDED (ppbv)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ppbv)	LCS % REC #	QC. LIMITS REC.
Vinyl Chloride	10		10	100	70-130
1,1-Dichloroethene	10		11	110	70-130
trans-1,2-Dichloroethen	10		9.7	97	70-130
cis-1,2-Dichloroethene	10		9.8	98	70-130
1,2-Dichloroethene (tot	20		20	100	70-130
Trichloroethene	10		11	110	70-130
Tetrachloroethene	10		12	120	70-130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 0 outside limits

Spike Recovery: 0 out of 7 outside limits

COMMENTS:

FORM III VOA

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

MBLK090809CA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: NY133428

Lab File ID: CILB02N Lab Sample ID: MBLK090809CA

Date Analyzed: 09/09/09 Time Analyzed: 0858

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

Instrument ID: C

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
	=====	=====	=====	=====
01	CA090809LCS	CA090809LCS	CIL10NQ2	1435
02	AMB-FENCE	805637	805637I2	0945
03	IAQ-VAC	805636	805636D	1033
04	IAQ-BOOK	805638	805638D	1117
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
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23				
24				
25				
26				
27				
28				
29				
30				

COMMENTS:

FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TESTAMERICA BURLINGTON Contract: 29000
Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: NY133428
Lab File ID: CIL01PV BFB Injection Date: 08/23/09
Instrument ID: C BFB Injection Time: 2305
GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	21.1
75	30.0 - 66.0% of mass 95	51.9
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 120.0% of mass 95	88.6
175	4.0 - 9.0% of mass 174	6.5 (7.3)1
176	93.0 - 101.0% of mass 174	86.1 (97.1)1
177	5.0 - 9.0% of mass 176	5.7 (6.6)2

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

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	ASTD0002	ASTD0002	CIL002V	08/24/09	0234
02	ASTD0005	ASTD0005	CIL005V	08/24/09	0322
03	ASTD005	ASTD005	CIL05V	08/24/09	0410
04	ASTD010	ASTD010	CIL10V	08/24/09	0500
05	ASTD015	ASTD015	CIL15V	08/24/09	0548
06	ASTD020	ASTD020	CIL20V	08/24/09	0637
07	ASTD040	ASTD040	CIL40V	08/24/09	0725
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TESTAMERICA BURLINGTON Contract: 29000
Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: NY133428
Lab File ID: CIL16PV BFB Injection Date: 09/08/09
Instrument ID: C BFB Injection Time: 1120
GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	25.4
75	30.0 - 66.0% of mass 95	62.2
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.0
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 120.0% of mass 95	96.3
175	4.0 - 9.0% of mass 174	7.0 (7.3)1
176	93.0 - 101.0% of mass 174	94.7 (98.3)1
177	5.0 - 9.0% of mass 176	6.4 (6.7)2

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

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	ASTD010	ASTD010	CIL10NV2	09/08/09	1347
02	CA090809LCS	CA090809LCS	CIL10NQ2	09/08/09	1435
03	MBLK090809CA	MBLK090809CA	CILB02N	09/09/09	0858
04	AMB-FENCE	805637	805637I2	09/09/09	0945
05	IAQ-VAC	805636	805636D	09/09/09	1033
06	IAQ-BOOK	805638	805638D	09/09/09	1117
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

FORM 8
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000
Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: NY133428
Lab File ID (Standard): CIL10NV2 Date Analyzed: 09/08/09
Instrument ID: C Time Analyzed: 1347
GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

	IS1 (BCM)		IS2 (DFB)		IS3 (CBZ)	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
=====	=====	=====	=====	=====	=====	=====
12 HOUR STD	464045	9.94	2483079	11.37	2221809	15.46
UPPER LIMIT	649663	10.27	3476311	11.70	3110533	15.79
LOWER LIMIT	278427	9.61	1489847	11.04	1333085	15.13
=====	=====	=====	=====	=====	=====	=====
CLIENT						
SAMPLE NO.						
=====	=====	=====	=====	=====	=====	=====
01 CA090809LCS	468667	9.93	2472723	11.36	2151733	15.46
02 MBLK090809CA	484439	9.93	2701133	11.36	2467541	15.45
03 AMB-FENCE	401336	9.93	2208174	11.36	2070024	15.46
04 IAQ-VAC	466078	9.93	2616248	11.36	2382905	15.46
05 IAQ-BOOK	469765	9.93	2579696	11.36	2340968	15.46
06						
07						
08						
09						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						

IS1 (BCM) = Bromochloromethane
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-d5

AREA UPPER LIMIT = + 40% of internal standard area
AREA LOWER LIMIT = - 40% of internal standard area
RT UPPER LIMIT = + 0.33 minutes of internal standard RT
RT LOWER LIMIT = - 0.33 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.



Supportive Documentation – TO-15 Volatile

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

ROUX1 SAMPLE NO.

AMB-FENCE

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: NY133428

Matrix: (soil/water) AIR Lab Sample ID: 805637

Sample wt/vol: 250.0 (g/mL) ML Lab File ID: 805637I2

Level: (low/med) LOW Date Received: 09/04/09

% Moisture: not dec. Date Analyzed: 09/09/09

GC Column: RTX-624 ID: 0.32 (mm) Dilution Factor: 0.8

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) PPBV		Q
75-01-4-----	Vinyl Chloride	0.16	U	
75-35-4-----	1,1-Dichloroethene	0.16	U	
156-60-5-----	trans-1,2-Dichloroethene	0.16	U	
156-59-2-----	cis-1,2-Dichloroethene	0.16	U	
540-59-0-----	1,2-Dichloroethene (total)	0.16	U	
79-01-6-----	Trichloroethene	0.16	U	
127-18-4-----	Tetrachloroethene	0.16	U	

FORM I VOA

Data File: /chem/C.i/Csvr.p/cilnt015.b/80863712.d

Date : 09-SEP-2009 09:45

Client ID: AMB-FENCE

Sample Info: AMB-FENCE : (109/02/09 01804(AIR))

Purge Volume: 250.0

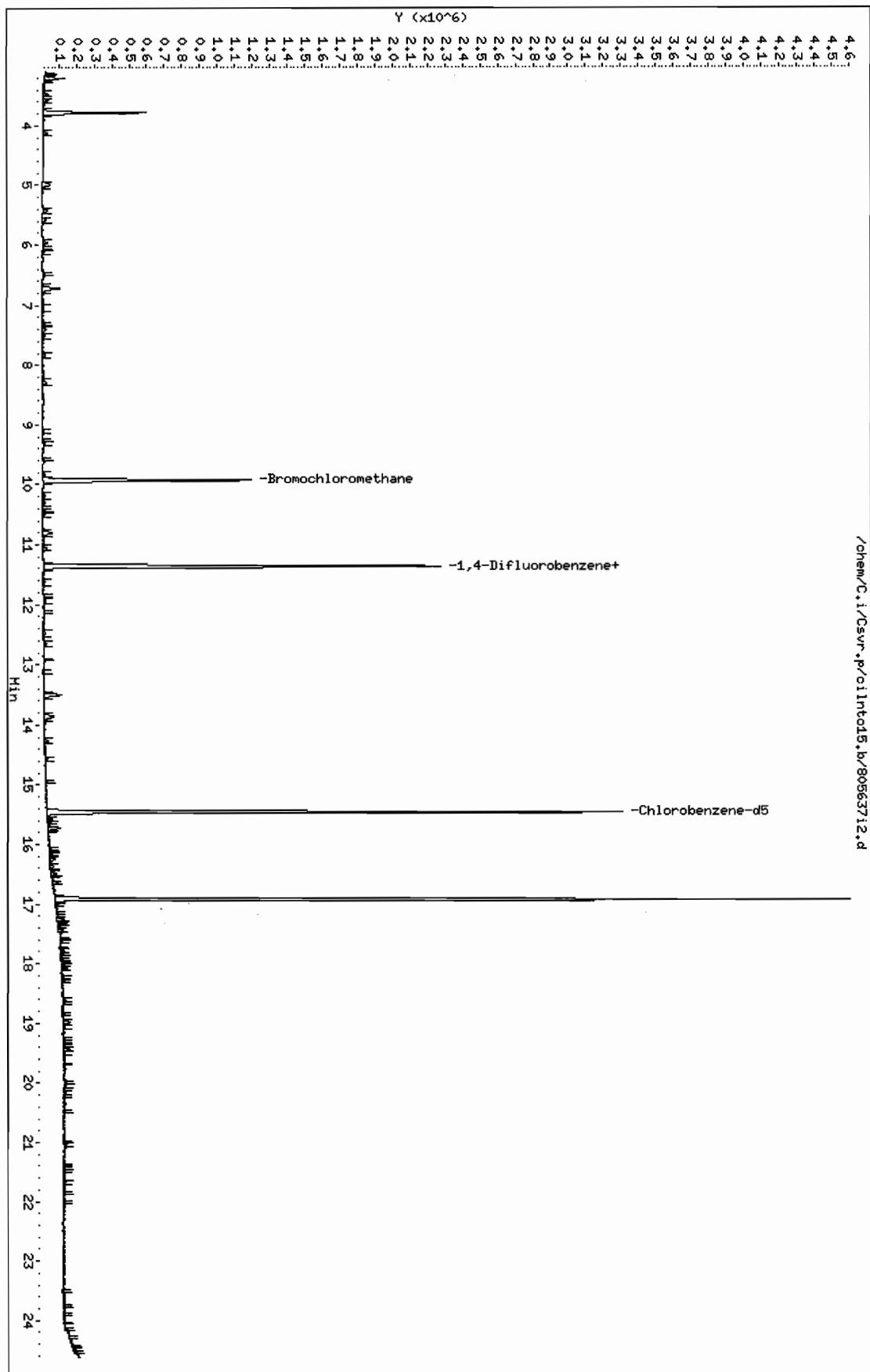
Column phase: RTX-624

Instrument: C.i

Operator: urd

Column diameter: 0.32

Page 2



TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/C.i/Csvr.p/cilnto15.b/805637i2.d
Lab Smp Id: 805637 Client Smp ID: AMB-FENCE
Inj Date : 09-SEP-2009 09:45
Operator : wrd Inst ID: C.i
Smp Info : AMB-FENCE : [] 09/02/09 @1804 (AIR)
Misc Info : 805637;090809CA;.8;250
Comment :
Method : /chem/C.i/Csvr.p/cilnto15.b/sto15.m
Meth Date : 15-Sep-2009 14:15 klp Quant Type: ISTD
Cal Date : 24-AUG-2009 07:25 Cal File: cil40v.d
Als bottle: 13
Dil Factor: 0.80000
Integrator: HP RTE Compound Sublist: ROUX1_OCEAN.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	0.80000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	250.00000	Sample Volume purged (mL)

Cpnd Variable

Local Compound Variable

Compounds	QUANT	SIG					CONCENTRATIONS	
			RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ppbv)	FINAL (ppbv)
6 Vinyl Chloride	62					Compound Not Detected.		
18 1,1-Dichloroethene	96					Compound Not Detected.		
27 trans-1,2-Dichloroethene	61					Compound Not Detected.		
31 cis-1,2-Dichloroethene	96					Compound Not Detected.		
* 32 Bromochloromethane	128		9.932	9.948	(1.000)	401336	10.0000	(Q)
M 40 1,2-Dichloroethene (total)	61					Compound Not Detected.		
* 43 1,4-Difluorobenzene	114		11.357	11.379	(1.000)	2208174	10.0000	
45 Trichloroethene	95					Compound Not Detected.		
57 Tetrachloroethene	166					Compound Not Detected.		
* 61 Chlorobenzene-d5	117		15.456	15.472	(1.000)	2070024	10.0000	

QC Flag Legend

Q - Qualifier signal failed the ratio test.

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

ROUX1 SAMPLE NO.

IAQ-BOOK

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: NY133428

Matrix: (soil/water) AIR Lab Sample ID: 805638

Sample wt/vol: 80.00 (g/mL) ML Lab File ID: 805638D

Level: (low/med) LOW Date Received: 09/04/09

% Moisture: not dec. Date Analyzed: 09/09/09

GC Column: RTX-624 ID: 0.32 (mm) Dilution Factor: 2.5

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) PPBV		Q
75-01-4-----	Vinyl Chloride	0.50	U	
75-35-4-----	1,1-Dichloroethene	0.50	U	
156-60-5-----	trans-1,2-Dichloroethene	0.50	U	
156-59-2-----	cis-1,2-Dichloroethene	0.50	U	
540-59-0-----	1,2-Dichloroethene (total)	0.50	U	
79-01-6-----	Trichloroethene	0.50	U	
127-18-4-----	Tetrachloroethene	74		

FORM I VOA

Data File: /chem/C.i/Csvr.p/ciInt015.b/805638d.d

Date : 09-SEP-2009 11:17

Client ID: IAQ-BOOK

Sample Info: IAQ-BOOK : I 109/02/09 01808(AIR)

Purge Volume: 80.0

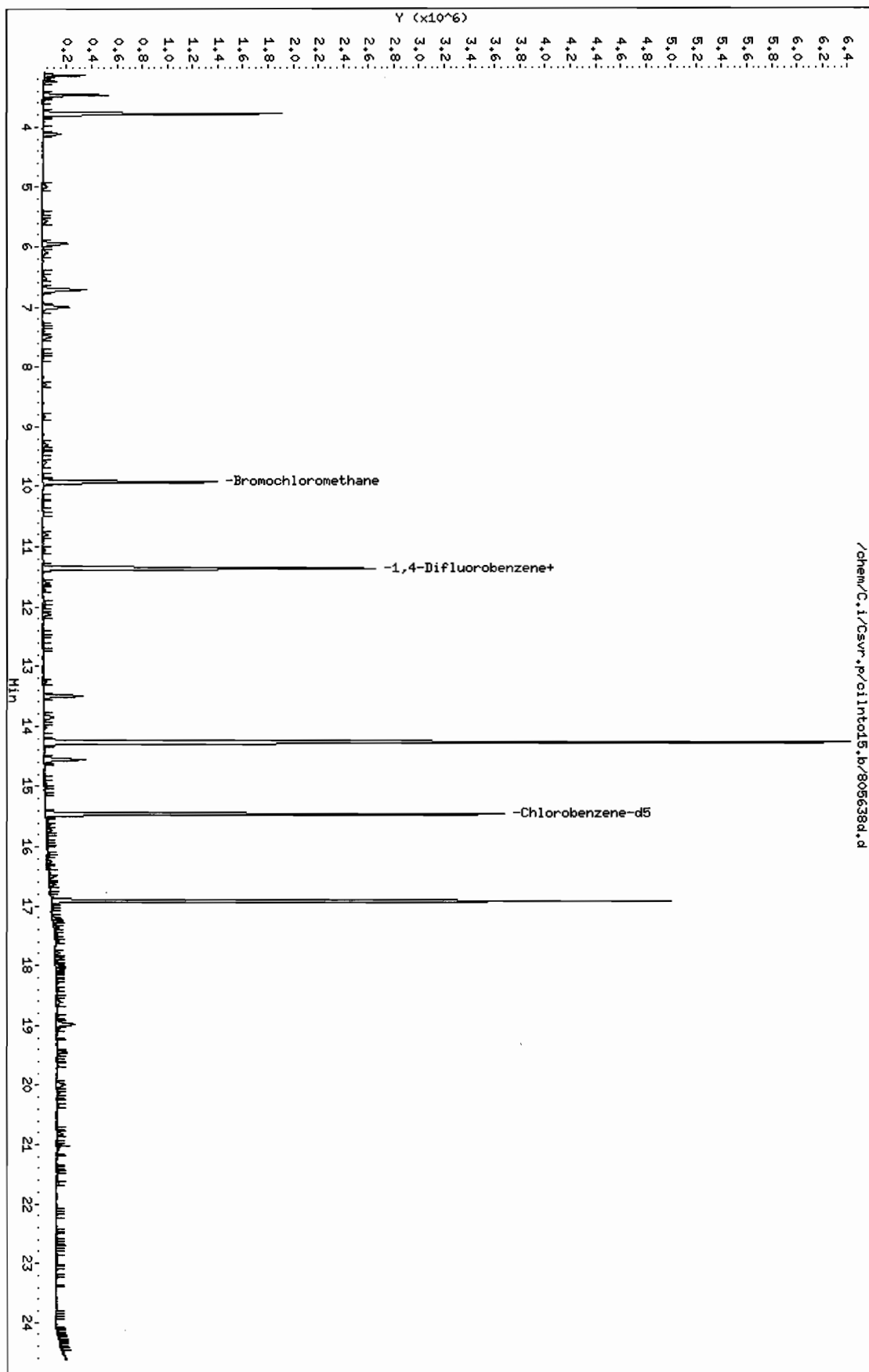
Column Phase: RTX-624

Page 2

Instrument: C.i

Operator: wrd

Column diameter: 0.32



Data File: /chem/C.i/Csvr.p/cilnto15.b/805638d.d
Report Date: 15-Sep-2009 14:16

Page 1

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/C.i/Csvr.p/cilnto15.b/805638d.d
Lab Smp Id: 805638 Client Smp ID: IAQ-BOOK
Inj Date : 09-SEP-2009 11:17
Operator : wrd Inst ID: C.i
Smp Info : IAQ-BOOK :[]09/02/09 @1808(AIR)
Misc Info : 805638;090809CA;2.5;80
Comment :
Method : /chem/C.i/Csvr.p/cilnto15.b/sto15.m
Meth Date : 15-Sep-2009 14:15 klp Quant Type: ISTD
Cal Date : 24-AUG-2009 07:25 Cal File: cil40v.d
Als bottle: 14
Dil Factor: 2.50000
Integrator: HP RTE Compound Sublist: ROUX1_OCEAN.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	2.50000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	80.00000	Sample Volume purged (mL)

Cpnd Variable

Local Compound Variable

Compounds	QUANT SIG						CONCENTRATIONS	
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ppbv)	FINAL (ppbv)
6 Vinyl Chloride	62					Compound Not Detected.		
18 1,1-Dichloroethene	96					Compound Not Detected.		
27 trans-1,2-Dichloroethene	61					Compound Not Detected.		
31 cis-1,2-Dichloroethene	96					Compound Not Detected.		
* 32 Bromochloromethane	128		9.932	9.948	(1.000)	469765	10.0000	(Q)
M 40 1,2-Dichloroethene (total)	61					Compound Not Detected.		
* 43 1,4-Difluorobenzene	114		11.357	11.379	(1.000)	2579696	10.0000	
45 Trichloroethene	95					Compound Not Detected.		
57 Tetrachloroethene	166		14.266	14.282	(0.923)	2475823	29.6947	74
* 61 Chlorobenzene-d5	117		15.456	15.472	(1.000)	2340968	10.0000	

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: /chem/C.i/Csvr.p/cilnto15.b/805638d.d

Page 3

Date : 09-SEP-2009 11:17

Client ID: IAQ-B00K

Instrument: C.i

Sample Info: IAQ-B00K :[109/02/09 @1808(AIR)

Purge Volume: 80.0

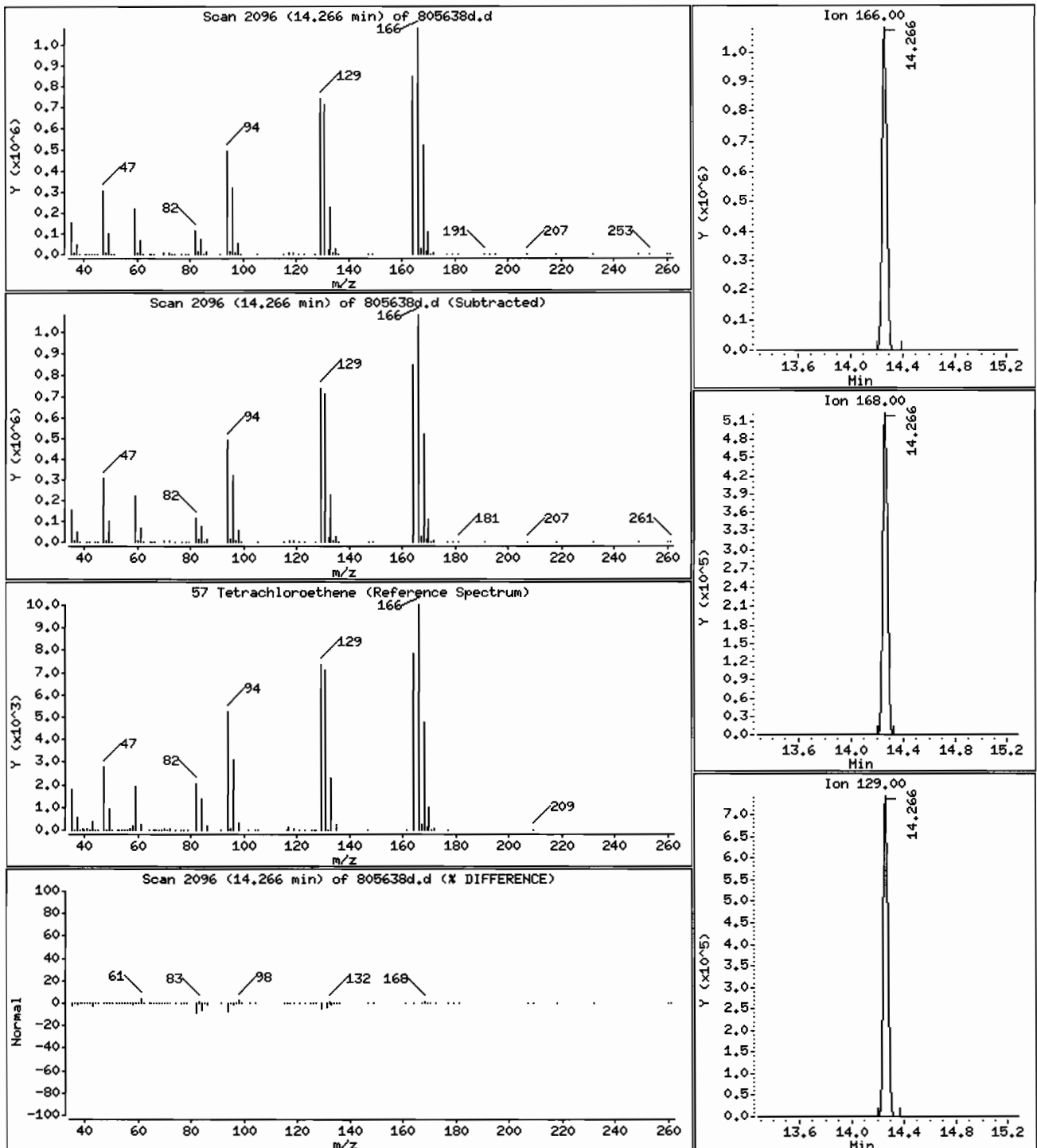
Operator: wrd

Column phase: RTX-624

Column diameter: 0.32

57 Tetrachloroethene

Concentration: 74 ppbv



FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

ROUX1 SAMPLE NO.

IAQ-VAC

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV

Case No.: 29000

SAS No.:

SDG No.: NY133428

Matrix: (soil/water) AIR

Lab Sample ID: 805636

Sample wt/vol: 40.00 (g/mL) ML

Lab File ID: 805636D

Level: (low/med) LOW

Date Received: 09/04/09

% Moisture: not dec. _____

Date Analyzed: 09/09/09

GC Column: RTX-624 ID: 0.32 (mm)

Dilution Factor: 5.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) PPBV Q

75-01-4-----	Vinyl Chloride	1.0	U
75-35-4-----	1,1-Dichloroethene	1.0	U
156-60-5-----	trans-1,2-Dichloroethene	1.0	U
156-59-2-----	cis-1,2-Dichloroethene	1.0	U
540-59-0-----	1,2-Dichloroethene (total)	1.0	U
79-01-6-----	Trichloroethene	1.0	U
127-18-4-----	Tetrachloroethene	130	

FORM I VOA

Data File: /chem/C.i/Csvr.p/cilntol5.b/805636d.d

Date : 09-SEP-2009 10:33

Client ID: IAQ-VAC

Sample Info: IAQ-VAC : [109/02/09 01806(AIR)

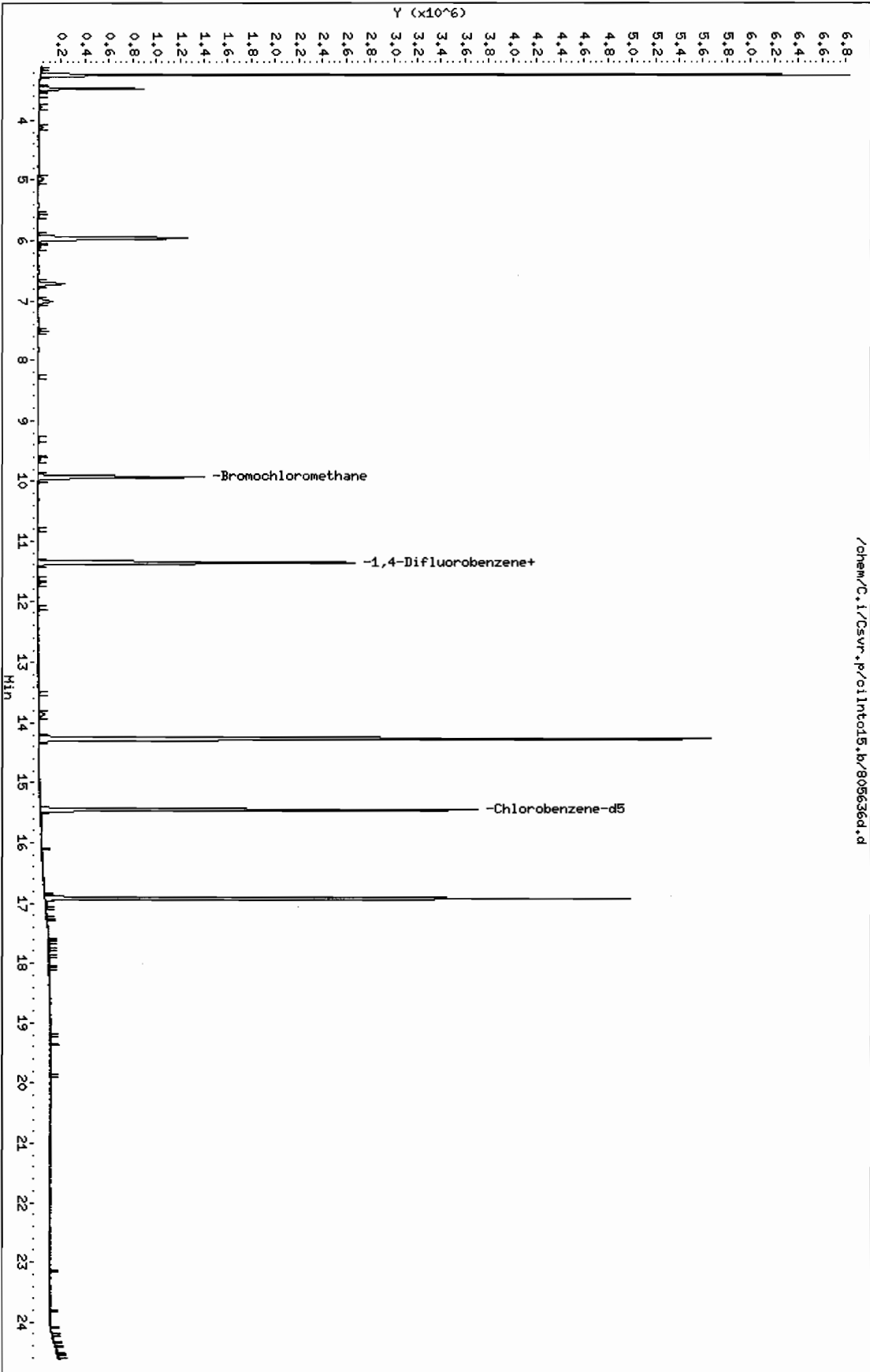
Purge Volume: 40.0

Column phase: RTX-624

Instrument: C.i

Operator: wrd

Column diameter: 0.32



TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/C.i/Csvr.p/cilnto15.b/805636d.d
Lab Smp Id: 805636 Client Smp ID: IAQ-VAC
Inj Date : 09-SEP-2009 10:33
Operator : wrd Inst ID: C.i
Smp Info : IAQ-VAC : [] 09/02/09 @1806(AIR)
Misc Info : 805636;090809CA;5;40
Comment :
Method : /chem/C.i/Csvr.p/cilnto15.b/sto15.m
Meth Date : 15-Sep-2009 14:15 klp Quant Type: ISTD
Cal Date : 24-AUG-2009 07:25 Cal File: cil40v.d
Als bottle: 12
Dil Factor: 5.00000
Integrator: HP RTE Compound Sublist: ROUX1_OCEAN.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	5.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	40.00000	Sample Volume purged (mL)

Cpnd Variable

Local Compound Variable

Compounds	QUANT	SIG	MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
								ON-COLUMN	FINAL
								(ppbv)	(ppbv)
6 Vinyl Chloride	62								
18 1,1-Dichloroethene	96								
27 trans-1,2-Dichloroethene	61								
31 cis-1,2-Dichloroethene	96								
* 32 Bromochloromethane	128			9.927	9.948	(1.000)	466078	10.0000	(Q)
M 40 1,2-Dichloroethene (total)	61								
* 43 1,4-Difluorobenzene	114			11.357	11.379	(1.000)	2616248	10.0000	
45 Trichloroethene	95								
57 Tetrachloroethene	166			14.266	14.282	(0.923)	2170432	25.5737	130
* 61 Chlorobenzene-d5	117			15.456	15.472	(1.000)	2382905	10.0000	

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: /chem/C.i/Csvr.p/cilnto15.b/805636d.d

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Date : 09-SEP-2009 10:33

Client ID: IAQ-VAC

Instrument: C.i

Sample Info: IAQ-VAC :[109/02/09 @1806(AIR)

Purge Volume: 40.0

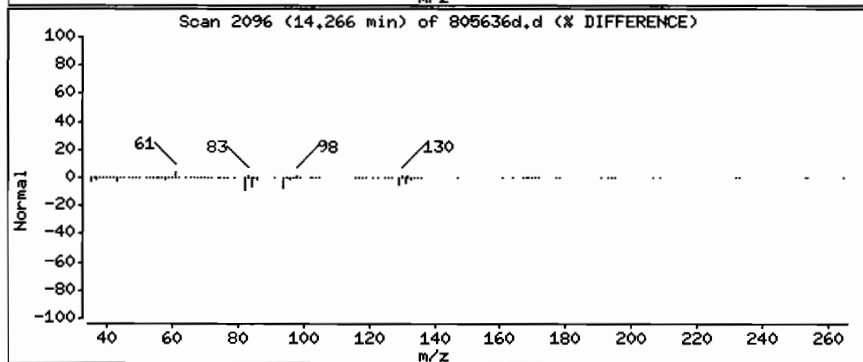
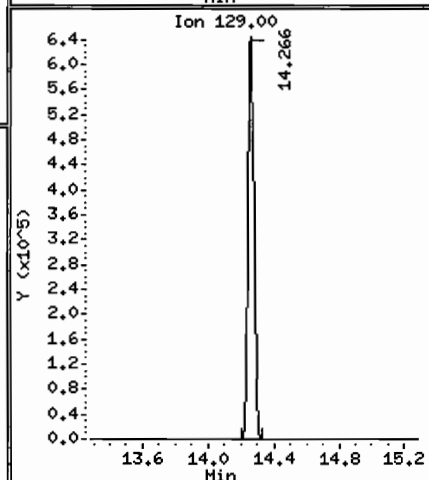
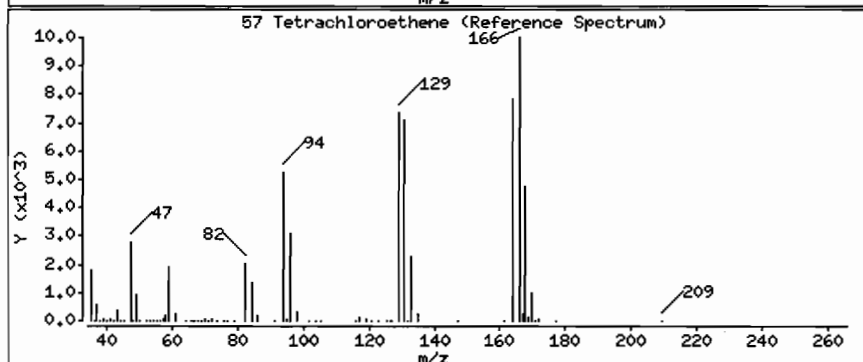
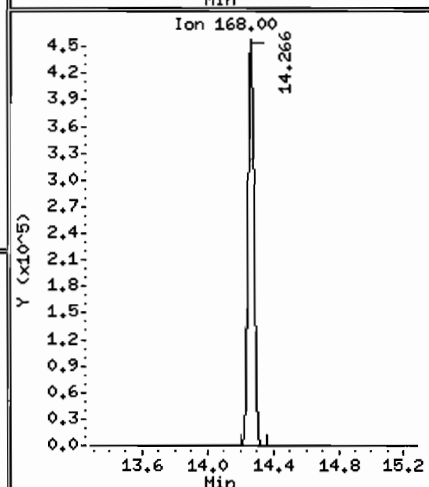
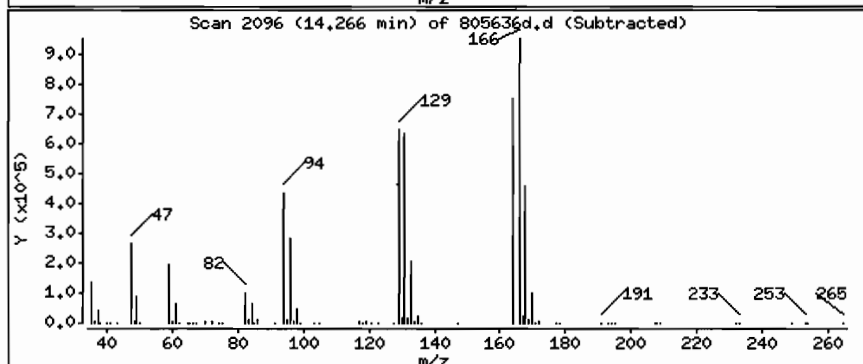
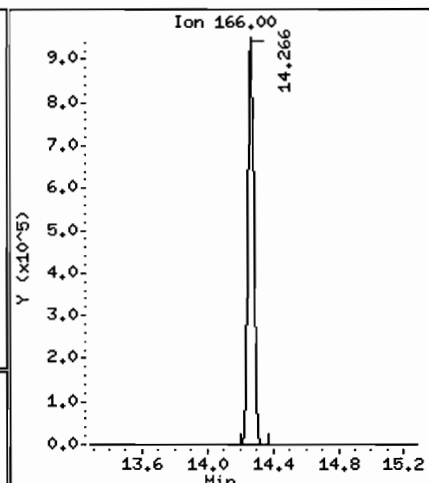
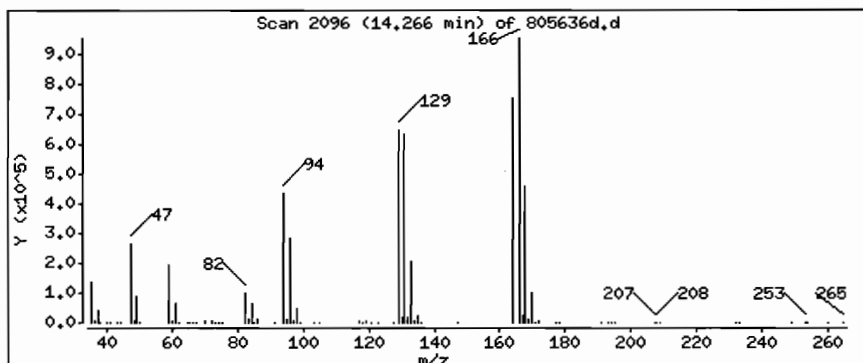
Operator: wrd

Column phase: RTX-624

Column diameter: 0.32

57 Tetrachloroethene

Concentration: 130 ppbv





Standards – TO-15 Volatile

Lab Name: TESTAMERICA BURLINGTON	Contract: 29000		
Lab Code: STL	Case No.: 29000	SAS No.:	SDG No.: NY133428
Instrument ID: C	Calibration Date(s): 08/24/09	08/24/09	
Heated Purge: (Y/N) N	Calibration Time(s): 0234	0725	
GC Column: RTX-624	ID: 0.32	(mm)	

[illegible]

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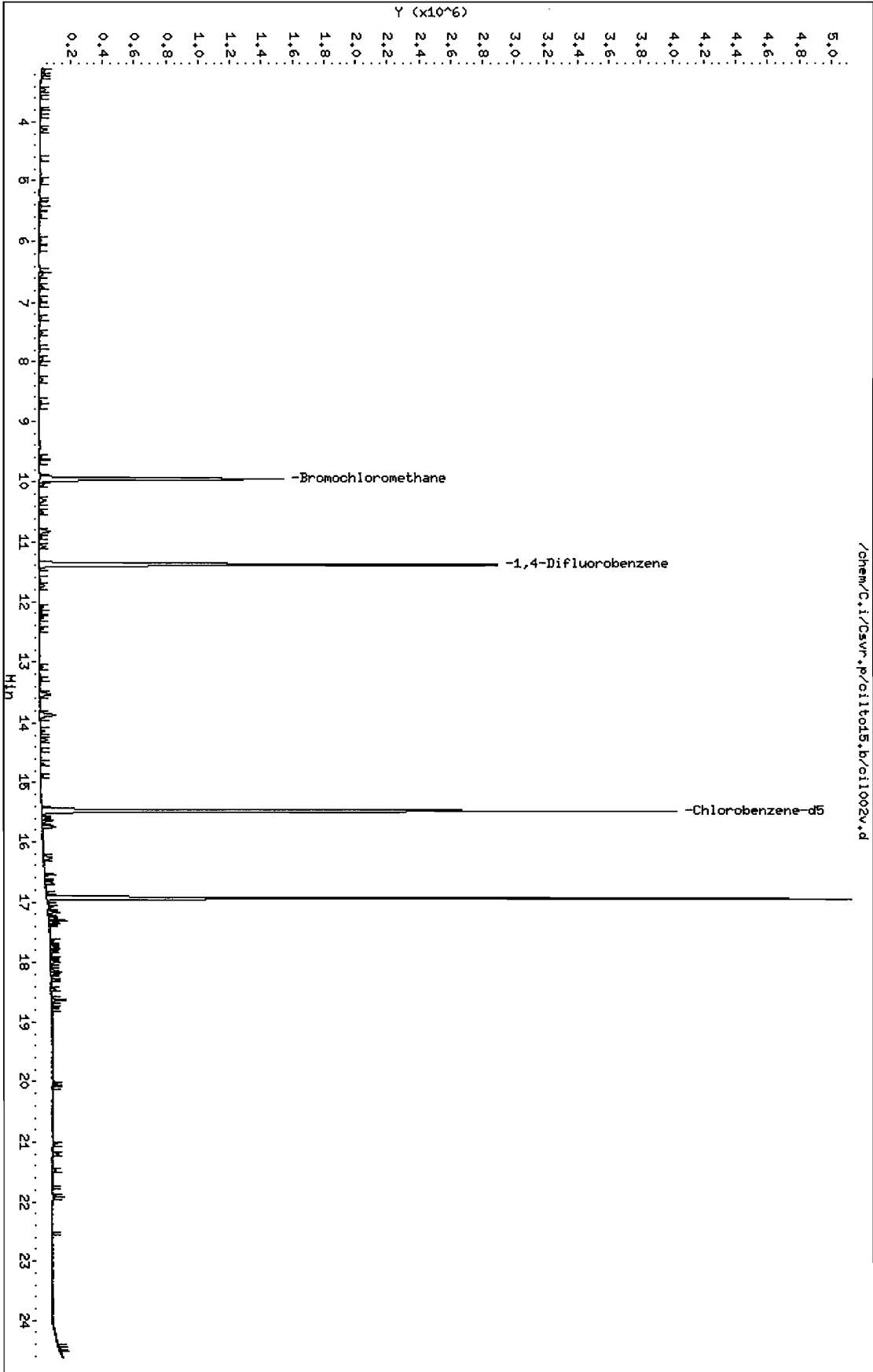
Lab Name: TESTAMERICA BURLINGTON		Contract: 29000	
Lab Code: STLV	Case No.: 29000	SAS No.:	SDG No.: NY133428
Instrument ID: C	Calibration Date(s): 08/24/09		08/24/09
Heated Purge: (Y/N) N	Calibration Time(s): 0234		0725
GC Column: RTX-624		ID: 0.32	(mm)

[illegible]

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Data File: /chem/C.i/Csvr.p/ciltd5,b/cil002v.d
Date : 24-AUG-2009 02:34
Client ID: ASTD0002
Sample Info:
Purge Volume: 200.0
Column Phase: RTX-624

Instrument: C.i
Operator: njr
Column diameter: 0.32



TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/C.i/Csvr.p/cilto15.b/cil002v.d
Lab Smp Id: ASTD0002 Client Smp ID: ASTD0002
Inj Date : 24-AUG-2009 02:34
Operator : njr Inst ID: C.i
Smp Info :
Misc Info : ASTD0002;082309CA;1;200
Comment :
Method : /chem/C.i/Csvr.p/cilto15.b/sto15.m
Meth Date : 27-Aug-2009 10:25 jdl Quant Type: ISTD
Cal Date : 24-AUG-2009 02:34 Cal File: cil002v.d
Als bottle: 1 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all002.sub
Target Version: 3.50
Processing Host: chemsvr6

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

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

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG						AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE		CAL-AMT (ppbv)	ON-COL (ppbv)
3 1,2-Dichlorotetrafluoroethane	85	3.448	3.448	(0.347)	24982		0.20000	0.19 (a)
6 Vinyl Chloride	62	3.816	3.821	(0.384)	8967		0.20000	0.19 (a)
9 Bromomethane	94	4.633	4.633	(0.466)	8232		0.20000	0.19 (a)
11 Isopentane	43	4.985	4.996	(0.501)	11522		0.20000	0.21 (Q)
12 Bromoethene	106	5.311	5.310	(0.534)	8444		0.20000	0.19 (a)
13 Trichlorofluoromethane	101	5.423	5.433	(0.545)	24758		0.20000	0.19 (a)
15 Ethyl Ether	59	6.122	6.100	(0.615)	6000		0.20000	0.19 (a)
17 Freon TF	101	6.506	6.511	(0.654)	17589		0.20000	0.19 (a)
18 1,1-Dichloroethene	96	6.538	6.543	(0.657)	9733		0.20000	0.22 (Q)
27 trans-1,2-Dichloroethene	61	7.936	7.936	(0.798)	14802		0.20000	0.19 (a)
29 1,1-Dichloroethane	63	8.683	8.683	(0.873)	18000		0.20000	0.19 (a)
M 40 1,2-Dichloroethene (total)	61				26058		0.40000	0.41
31 cis-1,2-Dichloroethene	96	9.585	9.591	(0.964)	11256		0.20000	0.21
* 32 Bromochloromethane	128	9.948	9.948	(1.000)	504873		10.0000	
34 Chloroform	83	10.028	10.034	(1.008)	20629		0.20000	0.19 (a)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
						CAL-AMT (ppbv)	ON-COL (ppbv)
35 1,1,1-Trichloroethane	97	10.290	10.295	(0.904)	21452	0.20000	0.19 (a)
36 Cyclohexane	84	10.311	10.311	(0.906)	14160	0.20000	0.19 (a)
37 Carbon Tetrachloride	117	10.503	10.503	(0.923)	19868	0.20000	0.18 (a)
38 2,2,4-Trimethylpentane	57	10.813	10.818	(0.950)	49552	0.20000	0.19 (a)
39 Benzene	78	10.824	10.823	(0.951)	34099	0.20000	0.20
41 1,2-Dichloroethane	62	10.909	10.914	(0.959)	15467	0.20000	0.19 (a)
42 n-Heptane	43	11.074	11.074	(0.973)	20650	0.20000	0.20
* 43 1,4-Difluorobenzene	114	11.379	11.379	(1.000)	2904672	10.0000	
45 Trichloroethene	95	11.736	11.736	(1.031)	13407	0.20000	0.19 (a)
47 1,2-Dichloropropane	63	12.088	12.094	(1.062)	11856	0.20000	0.20
49 Dibromomethane	174	12.275	12.270	(1.079)	10109	0.20000	0.18 (a)
50 Bromodichloromethane	83	12.446	12.451	(1.094)	18094	0.20000	0.16 (a)
51 cis-1,3-Dichloropropene	75	13.081	13.081	(1.150)	17173	0.20000	0.19 (a)
M 70 Xylene (total)	106				43388	0.20000	0.52
54 Toluene	92	13.519	13.519	(0.874)	24151	0.20000	0.20
53 n-Octane	43	13.535	13.540	(1.189)	26090	0.20000	0.20
55 trans-1,3-Dichloropropene	75	13.866	13.866	(1.219)	17179	0.20000	0.21
56 1,1,2-Trichloroethane	83	14.127	14.132	(0.913)	9796	0.20000	0.19 (a)
57 Tetrachloroethene	166	14.282	14.282	(0.923)	17493	0.20000	0.19 (a)
59 Dibromochloromethane	129	14.682	14.682	(0.949)	14124	0.20000	0.15 (a)
60 1,2-Dibromoethane	107	14.885	14.885	(0.962)	15131	0.20000	0.17 (a)
* 61 Chlorobenzene-d5	117	15.472	15.472	(1.000)	2649885	10.0000	
62 Chlorobenzene	112	15.515	15.509	(1.003)	30037	0.20000	0.21
63 Ethylbenzene	91	15.595	15.595	(1.008)	39906	0.20000	0.19 (a)
84 Nonane	57	15.648	15.648	(1.011)	22658	0.20000	0.20
64 Xylene (m,p)	106	15.744	15.744	(1.018)	28981	0.40000	0.36 (a)
65 Xylene (o)	106	16.262	16.262	(1.051)	14407	0.20000	0.17 (a)
66 Styrene	104	16.283	16.283	(1.052)	16447	0.20000	0.15 (a)
67 Bromoform	173	16.561	16.555	(1.070)	11696	0.20000	0.16 (a)
68 Cumene	105	16.683	16.683	(1.078)	39653	0.20000	0.17 (a)
69 1,1,2,2-Tetrachloroethane	83	17.078	17.078	(1.104)	18651	0.20000	0.17 (a)
72 n-Propylbenzene	91	17.169	17.169	(1.110)	42791	0.20000	0.16 (a)
74 4-Ethyltoluene	105	17.297	17.297	(1.118)	36352	0.20000	0.17 (a)
76 2-Chlorotoluene	91	17.324	17.324	(1.120)	37243	0.20000	0.19 (a)
75 1,3,5-Trimethylbenzene	105	17.367	17.367	(1.122)	29996	0.20000	0.16 (a)
77 a-Methylstyrene	118	17.628	17.628	(1.139)	10316	0.20000	0.13 (a)
78 Tert-Butylbenzene	119	17.735	17.735	(1.146)	30405	0.20000	0.16 (a)
79 1,2,4-Trimethylbenzene	105	17.804	17.799	(1.151)	28098	0.20000	0.16 (a)
80 Sec-Butylbenzene	105	17.986	17.986	(1.162)	41673	0.20000	0.16 (a)
81 4-Isopropyltoluene	119	18.140	18.140	(1.172)	32399	0.20000	0.15 (a)
82 1,3-Dichlorobenzene	146	18.189	18.188	(1.176)	25848	0.20000	0.22
83 1,4-Dichlorobenzene	146	18.301	18.300	(1.183)	26666	0.20000	0.23
86 Benzyl Chloride	91	18.450	18.445	(1.192)	21927	0.20000	0.16 (a)
87 n-Butylbenzene	91	18.631	18.631	(1.204)	28823	0.20000	0.15 (a)
88 1,2-Dichlorobenzene	146	18.765	18.759	(1.213)	21382	0.20000	0.19 (a)
90 1,2,4-Trichlorobenzene	180	21.017	21.017	(1.358)	14485	0.20000	0.20 (a)
91 Hexachlorobutadiene	225	21.199	21.198	(1.370)	13335	0.20000	0.19 (a)

Data File: /chem/C.i/Csvr.p/cilto15.b/cil002v.d
Report Date: 27-Aug-2009 10:25

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Compounds	QUANT SIG		RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
	MASS						CAL-AMT (ppbv)	ON-COL (ppbv)
93 1,2,3-Trichlorobenzene	180		21.908	21.914	(1.416)	12253	0.20000	0.19 (a)

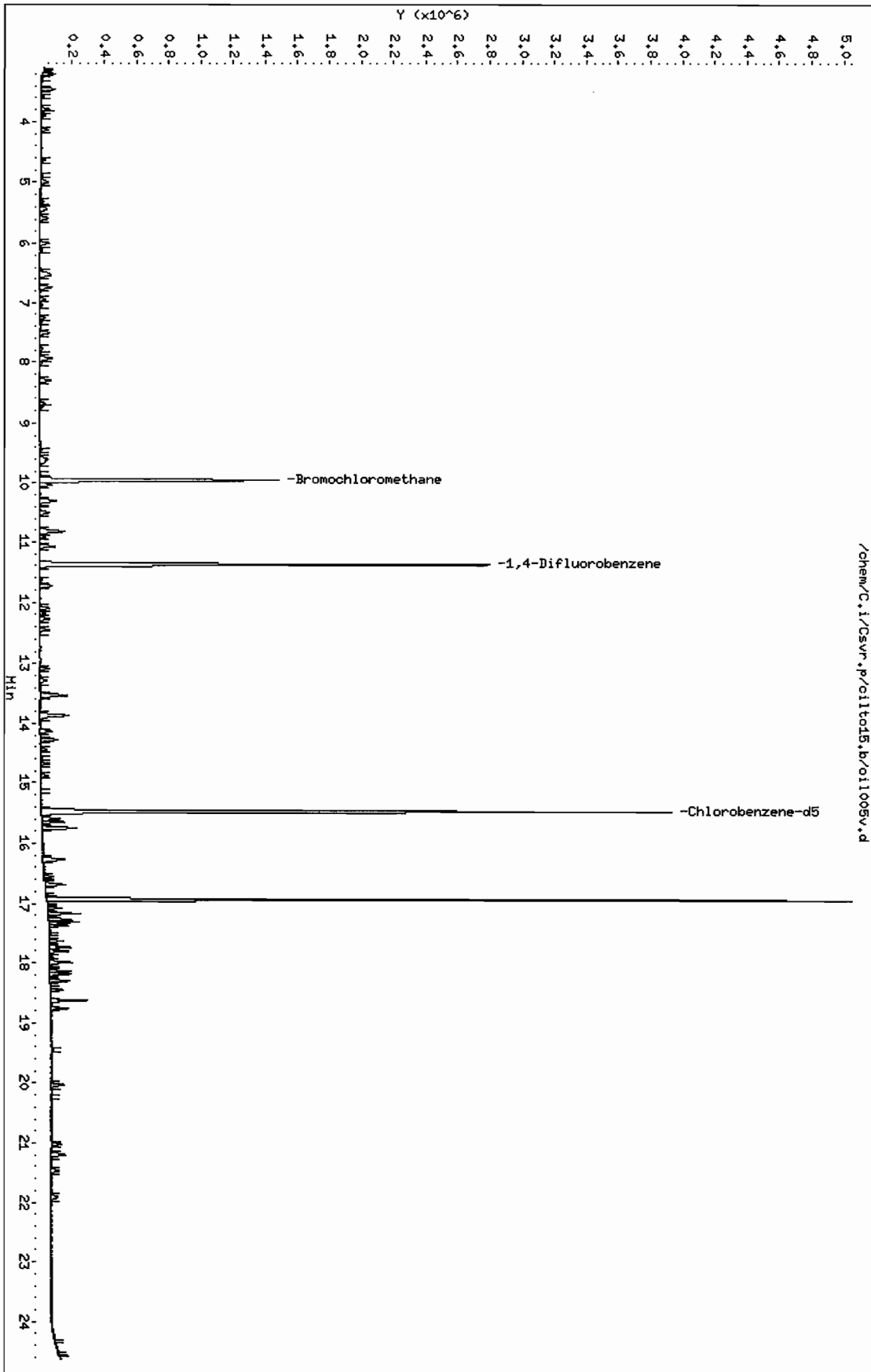
QC Flag Legend

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

Data File: /chem/C.i/Csvr.p/ciltd5.b/ciltd5v.d
Date : 24-AUG-2009 03:22
Client ID: ASTD0005
Sample Info:
Purge Volume: 200.0
Column phase: RTX-624

Instrument: C.i
Operator: njr
Column diameter: 0.32

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TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/C.i/Csvr.p/cilto15.b/cil005v.d
Lab Smp Id: ASTD0005 Client Smp ID: ASTD0005
Inj Date : 24-AUG-2009 03:22
Operator : njr Inst ID: C.i
Smp Info :
Misc Info : ASTD0005;082309CA;1;200
Comment :
Method : /chem/C.i/Csvr.p/cilto15.b/sto15.m
Meth Date : 27-Aug-2009 10:25 jdl Quant Type: ISTD
Cal Date : 24-AUG-2009 03:22 Cal File: cil005v.d
Als bottle: 2 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all005.sub
Target Version: 3.50
Processing Host: chemsvr6

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

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

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG						AMOUNTS	
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppbv)	ON-COL (ppbv)
1 Dichlorodifluoromethane	85		3.203	3.202	(0.322)	64260	0.50000	0.54
2 Freon-22	51		3.245	3.240	(0.326)	36947	0.50000	0.51
3 1,2-Dichlorotetrafluoroethane	85		3.453	3.448	(0.347)	59257	0.50000	0.48
4 Chloromethane	50		3.581	3.576	(0.360)	21389	0.50000	0.55
5 n-Butane	43		3.790	3.784	(0.381)	48357	0.50000	0.65
6 Vinyl Chloride	62		3.822	3.821	(0.384)	21221	0.50000	0.47
7 1,3-Butadiene	54		3.907	3.902	(0.393)	14984	0.50000	0.45 (a)
9 Bromomethane	94		4.638	4.633	(0.466)	20318	0.50000	0.48
10 Chloroethane	64		4.894	4.889	(0.492)	11868	0.50000	0.48 (a)
11 Isopentane	43		4.990	4.996	(0.502)	27955	0.50000	0.52
12 Bromoethene	106		5.316	5.310	(0.534)	20018	0.50000	0.47
13 Trichlorofluoromethane	101		5.433	5.433	(0.546)	60719	0.50000	0.50
14 Pentane	43		5.583	5.583	(0.561)	48920	0.50000	0.59
15 Ethyl Ether	59		6.111	6.100	(0.614)	13838	0.50000	0.46
17 Freon TF	101		6.511	6.511	(0.655)	42005	0.50000	0.47

Compounds	QUANT SIG				RESPONSE	AMOUNTS	
	MASS	RT	EXP RT	REL RT		CAL-AMT (ppbv)	ON-COL (ppbv)
-----	----	--	-----	-----	-----	-----	-----
18 1,1-Dichloroethene	96	6.543	6.543	(0.658)	18694	0.50000	0.44
21 Carbon Disulfide	76	6.944	6.944	(0.698)	62821	0.50000	0.47 (a)
22 3-Chloropropene	41	7.264	7.264	(0.730)	27920	0.50000	0.47 (a)
24 Methylene Chloride	49	7.515	7.515	(0.755)	42963	0.50000	0.72
26 Methyl tert-Butyl Ether	73	7.952	7.936	(0.799)	53925	0.50000	0.42 (a)
27 trans-1,2-Dichloroethene	61	7.936	7.936	(0.798)	34872	0.50000	0.48
28 n-Hexane	57	8.310	8.304	(0.835)	44507	0.50000	0.55
29 1,1-Dichloroethane	63	8.684	8.683	(0.873)	41600	0.50000	0.46
M 40 1,2-Dichloroethene (total)	61				58182	1.00000	0.93
31 cis-1,2-Dichloroethene	96	9.591	9.591	(0.964)	23310	0.50000	0.46
30 Methyl Ethyl Ketone	72	9.623	9.617	(0.967)	11520	0.50000	0.58 (Q)
* 32 Bromochloromethane	128	9.948	9.948	(1.000)	484107	10.0000	
34 Chloroform	83	10.034	10.034	(1.009)	48645	0.50000	0.47
35 1,1,1-Trichloroethane	97	10.295	10.295	(0.905)	50270	0.50000	0.45
36 Cyclohexane	84	10.306	10.311	(0.906)	33951	0.50000	0.46
37 Carbon Tetrachloride	117	10.503	10.503	(0.923)	45270	0.50000	0.43
38 2,2,4-Trimethylpentane	57	10.818	10.818	(0.951)	117977	0.50000	0.46
39 Benzene	78	10.818	10.823	(0.951)	76795	0.50000	0.47
41 1,2-Dichloroethane	62	10.914	10.914	(0.959)	36542	0.50000	0.46
42 n-Heptane	43	11.075	11.074	(0.973)	50881	0.50000	0.51
* 43 1,4-Difluorobenzene	114	11.379	11.379	(1.000)	2814981	10.0000	
45 Trichloroethene	95	11.731	11.736	(1.031)	31561	0.50000	0.46
47 1,2-Dichloropropane	63	12.094	12.094	(1.063)	26003	0.50000	0.45
46 Methyl Methacrylate	69	12.179	12.179	(1.070)	14896	0.50000	0.37 (a)
49 Dibromomethane	174	12.270	12.270	(1.078)	22402	0.50000	0.41
50 Bromodichloromethane	83	12.451	12.451	(1.094)	43803	0.50000	0.41
51 cis-1,3-Dichloropropene	75	13.087	13.081	(1.150)	39847	0.50000	0.46
M 70 Xylene (total)	106				106157	0.50000	1.3
52 Methyl Isobutyl Ketone	43	13.279	13.268	(1.167)	37501	0.50000	0.39 (a)
54 Toluene	92	13.519	13.519	(0.874)	57831	0.50000	0.48
53 n-Octane	43	13.540	13.540	(1.190)	66128	0.50000	0.51
55 trans-1,3-Dichloropropene	75	13.866	13.866	(1.219)	40054	0.50000	0.50
56 1,1,2-Trichloroethane	83	14.133	14.132	(0.913)	22311	0.50000	0.44
57 Tetrachloroethene	166	14.282	14.282	(0.923)	39453	0.50000	0.43
58 Methyl Butyl Ketone	43	14.442	14.431	(0.933)	34202	0.50000	0.39 (a)
59 Dibromochloromethane	129	14.682	14.682	(0.949)	33246	0.50000	0.37
60 1,2-Dibromoethane	107	14.885	14.885	(0.962)	36324	0.50000	0.42
* 61 Chlorobenzene-d5	117	15.472	15.472	(1.000)	2583517	10.0000	
62 Chlorobenzene	112	15.509	15.509	(1.002)	65631	0.50000	0.46
63 Ethylbenzene	91	15.595	15.595	(1.008)	96999	0.50000	0.47
84 Nonane	57	15.648	15.648	(1.011)	52329	0.50000	0.48
64 Xylene (m,p)	106	15.744	15.744	(1.018)	70363	1.00000	0.89
65 Xylene (o)	106	16.262	16.262	(1.051)	35794	0.50000	0.44
66 Styrene	104	16.283	16.283	(1.052)	42560	0.50000	0.40
67 Bromoform	173	16.561	16.555	(1.070)	26553	0.50000	0.36
68 Cumene	105	16.684	16.683	(1.078)	97929	0.50000	0.43
69 1,1,2,2-Tetrachloroethane	83	17.079	17.078	(1.104)	46558	0.50000	0.43

Compounds	QUANT SIG				AMOUNTS		
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppbv)	ON-COL (ppbv)
=====	=====	==	=====	=====	=====	=====	=====
73 1,2,3-Trichloropropane	75	17.159	17.158	(1.109)	39114	0.50000	0.44 (a)
72 n-Propylbenzene	91	17.169	17.169	(1.110)	114903	0.50000	0.45
71 n-Decane	57	17.265	17.265	(1.116)	51555	0.50000	0.44 (a)
74 4-Ethyltoluene	105	17.297	17.297	(1.118)	91194	0.50000	0.44
76 2-Chlorotoluene	91	17.324	17.324	(1.120)	93291	0.50000	0.48
75 1,3,5-Trimethylbenzene	105	17.367	17.367	(1.122)	75766	0.50000	0.42
77 a-Methylstyrene	118	17.634	17.628	(1.140)	27905	0.50000	0.36
78 Tert-Butylbenzene	119	17.735	17.735	(1.146)	76193	0.50000	0.42
79 1,2,4-Trimethylbenzene	105	17.804	17.799	(1.151)	73647	0.50000	0.43
80 Sec-Butylbenzene	105	17.986	17.986	(1.162)	109046	0.50000	0.43
81 4-Isopropyltoluene	119	18.141	18.140	(1.172)	91702	0.50000	0.43
82 1,3-Dichlorobenzene	146	18.189	18.188	(1.176)	58321	0.50000	0.50
83 1,4-Dichlorobenzene	146	18.301	18.300	(1.183)	56374	0.50000	0.49
86 Benzyl Chloride	91	18.450	18.445	(1.192)	61602	0.50000	0.45
87 n-Butylbenzene	91	18.632	18.631	(1.204)	79467	0.50000	0.44
88 1,2-Dichlorobenzene	146	18.760	18.759	(1.212)	52231	0.50000	0.47
90 1,2,4-Trichlorobenzene	180	21.017	21.017	(1.358)	29086	0.50000	0.41 (a)
91 Hexachlorobutadiene	225	21.204	21.198	(1.370)	28103	0.50000	0.40
92 Naphthalene	128	21.471	21.471	(1.388)	56010	0.50000	0.37 (a)
93 1,2,3-Trichlorobenzene	180	21.919	21.914	(1.417)	23926	0.50000	0.39

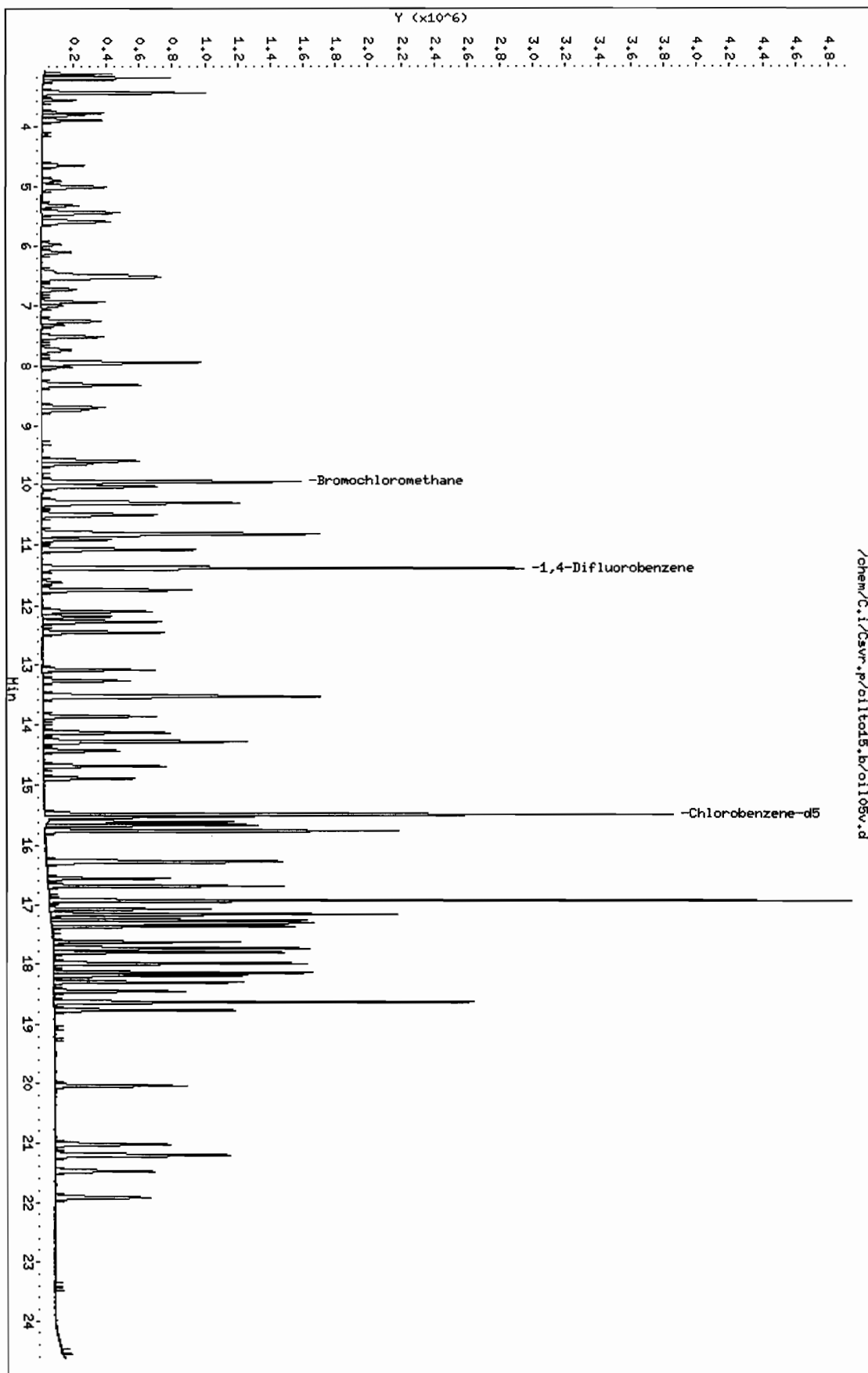
QC Flag Legend

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

Data File: /chem/C.i/Csvr.p/011015.b/01105v.d
Date : 24-AUG-2009 04:10
Client ID: ASTD005
Sample Info:
Purge Volume: 200.0
Column phase: RTX-624

Instrument: C.i
Operator: njr
Column diameter: 0.32

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TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/C.i/Csvr.p/cilto15.b/cil05v.d
Lab Smp Id: ASTD005 Client Smp ID: ASTD005
Inj Date : 24-AUG-2009 04:10
Operator : njr Inst ID: C.i
Smp Info :
Misc Info : ASTD005;082309CA;1;200
Comment :
Method : /chem/C.i/Csvr.p/cilto15.b/sto15.m
Meth Date : 27-Aug-2009 10:25 jdl Quant Type: ISTD
Cal Date : 24-AUG-2009 04:10 Cal File: cil05v.d
Als bottle: 3 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

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

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG						AMOUNTS	
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppbv)	ON-COL (ppbv)
1 Dichlorodifluoromethane	85		3.202	3.202	(0.322)	646421	5.00000	5.1
2 Freon-22	51		3.240	3.240	(0.326)	383539	5.00000	5.1
3 1,2-Dichlorotetrafluoroethane	85		3.448	3.448	(0.347)	682866	5.00000	5.2
4 Chloromethane	50		3.576	3.576	(0.359)	204109	5.00000	5.0
5 n-Butane	43		3.784	3.784	(0.380)	367960	5.00000	4.7
6 Vinyl Chloride	62		3.816	3.821	(0.384)	248236	5.00000	5.2
7 1,3-Butadiene	54		3.901	3.902	(0.392)	182594	5.00000	5.2
9 Bromomethane	94		4.633	4.633	(0.466)	228743	5.00000	5.2
10 Chloroethane	64		4.889	4.889	(0.491)	133543	5.00000	5.1
11 Isopentane	43		4.996	4.996	(0.502)	282589	5.00000	5.0
12 Bromoethene	106		5.310	5.310	(0.534)	233453	5.00000	5.2
13 Trichlorofluoromethane	101		5.428	5.433	(0.546)	664824	5.00000	5.2
14 Pentane	43		5.583	5.583	(0.561)	428240	5.00000	4.9
15 Ethyl Ether	59		6.106	6.100	(0.614)	161050	5.00000	5.1
16 Acrolein	56		6.426	6.431	(0.646)	82910	5.00000	4.9(a)

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppbv)	ON-COL (ppbv)
=====	=====	==	=====	=====	=====	=====	=====
17 Freon TF	101	6.506	6.511	(0.654)	483304	5.00000	5.2
18 1,1-Dichloroethene	96	6.543	6.543	(0.658)	227593	5.00000	5.1
19 Acetone	43	6.735	6.735	(0.677)	386574	5.00000	5.2
21 Carbon Disulfide	76	6.944	6.944	(0.698)	725229	5.00000	5.1
20 Isopropyl Alcohol	45	7.013	7.008	(0.705)	227205	5.00000	4.9 (a)
22 3-Chloropropene	41	7.264	7.264	(0.730)	317872	5.00000	5.1
23 Acetonitrile	41	7.322	7.322	(0.736)	173383	5.00000	5.1
24 Methylene Chloride	49	7.515	7.515	(0.755)	285921	5.00000	4.5
25 tert-Butyl Alcohol	59	7.728	7.728	(0.777)	330318	5.00000	4.9 (a)
26 Methyl tert-Butyl Ether	73	7.936	7.936	(0.798)	694764	5.00000	5.1
27 trans-1,2-Dichloroethene	61	7.936	7.936	(0.798)	400606	5.00000	5.2
28 n-Hexane	57	8.304	8.304	(0.835)	421987	5.00000	4.9
29 1,1-Dichloroethane	63	8.683	8.683	(0.873)	504708	5.00000	5.3
M 40 1,2-Dichloroethene (total)	61				672746	10.0000	10
31 cis-1,2-Dichloroethene	96	9.591	9.591	(0.964)	272140	5.00000	5.1
30 Methyl Ethyl Ketone	72	9.617	9.617	(0.967)	95891	5.00000	4.6 (Q)
* 32 Bromochloromethane	128	9.948	9.948	(1.000)	510157	10.0000	
33 Tetrahydrofuran	42	10.007	10.007	(0.879)	236835	5.00000	4.8 (a)
34 Chloroform	83	10.034	10.034	(1.009)	571497	5.00000	5.3
35 1,1,1-Trichloroethane	97	10.295	10.295	(0.905)	600623	5.00000	5.3
36 Cyclohexane	84	10.316	10.311	(0.907)	391265	5.00000	5.1
37 Carbon Tetrachloride	117	10.503	10.503	(0.923)	578032	5.00000	5.3
38 2,2,4-Trimethylpentane	57	10.818	10.818	(0.951)	1359317	5.00000	5.1
39 Benzene	78	10.823	10.823	(0.951)	866604	5.00000	5.1
41 1,2-Dichloroethane	62	10.914	10.914	(0.959)	427981	5.00000	5.2
42 n-Heptane	43	11.074	11.074	(0.973)	505354	5.00000	4.9
* 43 1,4-Difluorobenzene	114	11.378	11.379	(1.000)	2909183	10.0000	
44 1-Butanol	56	11.613	11.608	(1.021)	86438	5.00000	4.7 (a)
45 Trichloroethene	95	11.736	11.736	(1.031)	370741	5.00000	5.2
47 1,2-Dichloropropane	63	12.094	12.094	(1.063)	304986	5.00000	5.1
46 Methyl Methacrylate	69	12.179	12.179	(1.070)	188096	5.00000	4.6
48 1,4-Dioxane	88	12.259	12.254	(1.077)	94297	5.00000	4.9 (a)
49 Dibromomethane	174	12.270	12.270	(1.078)	292931	5.00000	5.2
50 Bromodichloromethane	83	12.451	12.451	(1.094)	604814	5.00000	5.4
51 cis-1,3-Dichloropropene	75	13.081	13.081	(1.150)	465060	5.00000	5.2
M 70 Xylene (total)	106				1153772	5.00000	15
52 Methyl Isobutyl Ketone	43	13.268	13.268	(1.166)	468511	5.00000	4.7
54 Toluene	92	13.519	13.519	(0.874)	584726	5.00000	5.0
53 n-Octane	43	13.540	13.540	(1.190)	683938	5.00000	5.1
55 trans-1,3-Dichloropropene	75	13.871	13.866	(1.219)	415136	5.00000	5.0
56 1,1,2-Trichloroethane	83	14.132	14.132	(0.913)	256958	5.00000	5.2
57 Tetrachloroethene	166	14.282	14.282	(0.923)	479040	5.00000	5.3
58 Methyl Butyl Ketone	43	14.437	14.431	(0.933)	401582	5.00000	4.6
59 Dibromochloromethane	129	14.682	14.682	(0.949)	484176	5.00000	5.5
60 1,2-Dibromoethane	107	14.885	14.885	(0.962)	470425	5.00000	5.6
* 61 Chlorobenzene-d5	117	15.472	15.472	(1.000)	2520003	10.0000	
62 Chlorobenzene	112	15.509	15.509	(1.002)	729847	5.00000	5.3

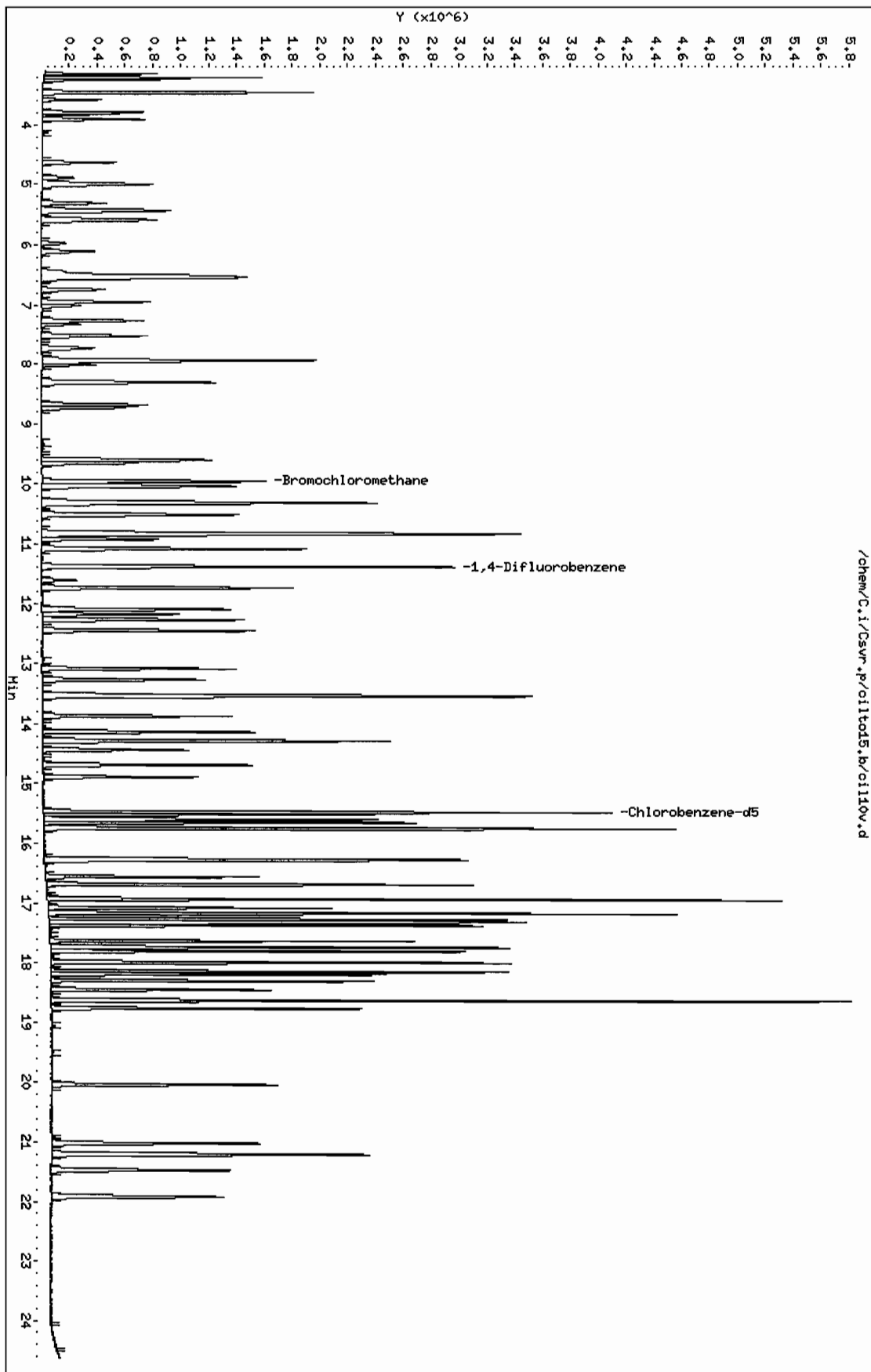
Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppbv)	ON-COL (ppbv)
=====	=====	==	=====	=====	=====	=====	=====
63 Ethylbenzene	91	15.595	15.595	(1.008)	1007550	5.00000	5.0
84 Nonane	57	15.648	15.648	(1.011)	498568	5.00000	4.7
64 Xylene (m,p)	106	15.749	15.744	(1.018)	767038	10.0000	9.9
65 Xylene (o)	106	16.262	16.262	(1.051)	386734	5.00000	4.9
66 Styrene	104	16.283	16.283	(1.052)	506348	5.00000	4.9
67 Bromoform	173	16.555	16.555	(1.070)	381438	5.00000	5.4
68 Cumene	105	16.683	16.683	(1.078)	1118573	5.00000	5.0
69 1,1,2,2-Tetrachloroethane	83	17.078	17.078	(1.104)	528821	5.00000	5.0
73 1,2,3-Trichloropropane	75	17.158	17.158	(1.109)	422546	5.00000	4.9
72 n-Propylbenzene	91	17.169	17.169	(1.110)	1229787	5.00000	5.0
71 n-Decane	57	17.265	17.265	(1.116)	557760	5.00000	4.8
74 4-Ethyltoluene	105	17.297	17.297	(1.118)	1020983	5.00000	5.0
76 2-Chlorotoluene	91	17.324	17.324	(1.120)	953088	5.00000	5.0
75 1,3,5-Trimethylbenzene	105	17.366	17.367	(1.122)	890403	5.00000	5.1
77 a-Methylstyrene	118	17.633	17.628	(1.140)	370836	5.00000	4.9
78 Tert-Butylbenzene	119	17.735	17.735	(1.146)	891630	5.00000	5.1
79 1,2,4-Trimethylbenzene	105	17.804	17.799	(1.151)	865308	5.00000	5.1
80 Sec-Butylbenzene	105	17.986	17.986	(1.162)	1276726	5.00000	5.1
81 4-Isopropyltoluene	119	18.140	18.140	(1.172)	1058775	5.00000	5.1
82 1,3-Dichlorobenzene	146	18.188	18.188	(1.176)	553233	5.00000	4.9
83 1,4-Dichlorobenzene	146	18.300	18.300	(1.183)	529943	5.00000	4.7
86 Benzyl Chloride	91	18.450	18.445	(1.192)	666747	5.00000	5.0
85 n-Undecane	57	18.626	18.626	(1.204)	529399	5.00000	4.5(a)
87 n-Butylbenzene	91	18.631	18.631	(1.204)	899419	5.00000	5.1
88 1,2-Dichlorobenzene	146	18.765	18.759	(1.213)	538780	5.00000	5.0
89 n-Dodecane	57	20.035	20.030	(1.295)	369729	5.00000	4.9(a)
90 1,2,4-Trichlorobenzene	180	21.017	21.017	(1.358)	344673	5.00000	5.0
91 Hexachlorobutadiene	225	21.204	21.198	(1.370)	355784	5.00000	5.2
92 Naphthalene	128	21.471	21.471	(1.388)	781167	5.00000	5.2
93 1,2,3-Trichlorobenzene	180	21.914	21.914	(1.416)	310468	5.00000	5.1

QC Flag Legend

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

Data File: /chem/C.i/Csvr,p/oilto15,b/c1110v.d
Date : 24-AUG-2009 05:00
Client ID: ASTD010
Sample Info:
Purge Volume: 200.0
Column phase: RTX-624

Instrument: C.i
Operator: njr
Column diameter: 0.32



TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/C.i/Csvr.p/cilto15.b/cil10v.d
Lab Smp Id: ASTD010 Client Smp ID: ASTD010
Inj Date : 24-AUG-2009 05:00
Operator : njr Inst ID: C.i
Smp Info :
Misc Info : ASTD010;082309CA;1;200
Comment :
Method : /chem/C.i/Csvr.p/cilto15.b/sto15.m
Meth Date : 27-Aug-2009 10:25 jdl Quant Type: ISTD
Cal Date : 24-AUG-2009 05:00 Cal File: cil10v.d
Als bottle: 4 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

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

Cpnd Variable Local Compound Variable

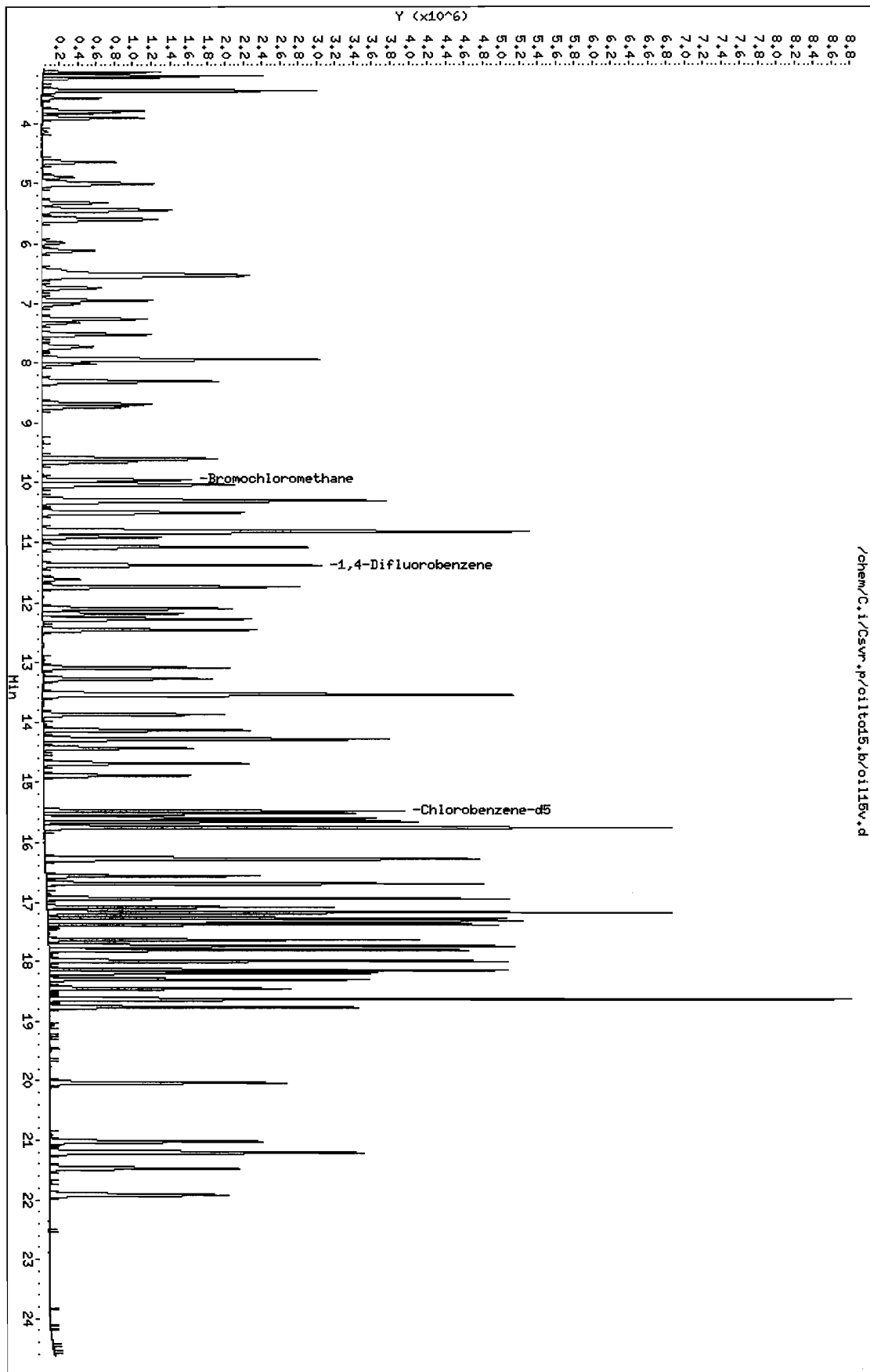
Compounds	QUANT SIG	AMOUNTS					
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COL
						(ppbv)	(ppbv)
1 Dichlorodifluoromethane	85		3.202	3.202	(0.322)	1276010	9.9
2 Freon-22	51		3.240	3.240	(0.326)	765458	9.9
3 1,2-Dichlorotetrafluoroethane	85		3.448	3.448	(0.347)	1370851	10
4 Chloromethane	50		3.576	3.576	(0.359)	403575	9.7
5 n-Butane	43		3.784	3.784	(0.380)	729086	9.2
6 Vinyl Chloride	62		3.821	3.821	(0.384)	495714	10
7 1,3-Butadiene	54		3.902	3.902	(0.392)	370296	10
9 Bromomethane	94		4.633	4.633	(0.466)	465789	10
10 Chloroethane	64		4.889	4.889	(0.491)	271949	10
11 Isopentane	43		4.996	4.996	(0.502)	564313	9.8
12 Bromoethene	106		5.310	5.310	(0.534)	475715	10
13 Trichlorofluoromethane	101		5.433	5.433	(0.546)	1324849	10
14 Pentane	43		5.583	5.583	(0.561)	856452	9.6
15 Ethyl Ether	59		6.100	6.100	(0.613)	340858	10
16 Acrolein	56		6.431	6.431	(0.646)	165558	9.6

Compounds	QUANT SIG	AMOUNTS					
		RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppbv)	ON-COL (ppbv)
17 Freon TF	101	6.511	6.511	(0.654)	975120	10.0000	10
18 1,1-Dichloroethene	96	6.543	6.543	(0.658)	461332	10.0000	10
19 Acetone	43	6.735	6.735	(0.677)	812227	10.0000	11
21 Carbon Disulfide	76	6.944	6.944	(0.698)	1482666	10.0000	10
20 Isopropyl Alcohol	45	7.008	7.008	(0.704)	493598	10.0000	10
22 3-Chloropropene	41	7.264	7.264	(0.730)	644638	10.0000	10
23 Acetonitrile	41	7.322	7.322	(0.736)	359252	10.0000	10
24 Methylene Chloride	49	7.515	7.515	(0.755)	574847	10.0000	9.0
25 tert-Butyl Alcohol	59	7.728	7.728	(0.777)	707036	10.0000	10
26 Methyl tert-Butyl Ether	73	7.936	7.936	(0.798)	1474226	10.0000	11
27 trans-1,2-Dichloroethene	61	7.936	7.936	(0.798)	815571	10.0000	10
28 n-Hexane	57	8.304	8.304	(0.835)	862421	10.0000	9.9
29 1,1-Dichloroethane	63	8.683	8.683	(0.873)	1017283	10.0000	10
M 40 1,2-Dichloroethene (total)	61				1370201	20.0000	20
31 cis-1,2-Dichloroethene	96	9.591	9.591	(0.964)	554630	10.0000	10
30 Methyl Ethyl Ketone	72	9.617	9.617	(0.967)	208944	10.0000	9.7
* 32 Bromochloromethane	128	9.948	9.948	(1.000)	520236	10.0000	
33 Tetrahydrofuran	42	10.007	10.007	(0.879)	500478	10.0000	10
34 Chloroform	83	10.034	10.034	(1.009)	1152110	10.0000	10
35 1,1,1-Trichloroethane	97	10.295	10.295	(0.905)	1201810	10.0000	10
36 Cyclohexane	84	10.311	10.311	(0.906)	793906	10.0000	10
37 Carbon Tetrachloride	117	10.503	10.503	(0.923)	1174321	10.0000	11
38 2,2,4-Trimethylpentane	57	10.818	10.818	(0.951)	2792066	10.0000	10
39 Benzene	78	10.823	10.823	(0.951)	1755031	10.0000	10
41 1,2-Dichloroethane	62	10.914	10.914	(0.959)	862761	10.0000	10
42 n-Heptane	43	11.074	11.074	(0.973)	1031154	10.0000	9.9
* 43 1,4-Difluorobenzene	114	11.379	11.379	(1.000)	2966374	10.0000	
44 1-Butanol	56	11.608	11.608	(1.020)	182245	10.0000	9.8
45 Trichloroethene	95	11.736	11.736	(1.031)	744982	10.0000	10
47 1,2-Dichloropropane	63	12.094	12.094	(1.063)	622599	10.0000	10
46 Methyl Methacrylate	69	12.179	12.179	(1.070)	435023	10.0000	10
48 1,4-Dioxane	88	12.254	12.254	(1.077)	201916	10.0000	10
49 Dibromomethane	174	12.270	12.270	(1.078)	605830	10.0000	11
50 Bromodichloromethane	83	12.451	12.451	(1.094)	1248415	10.0000	11
51 cis-1,3-Dichloropropene	75	13.081	13.081	(1.150)	949510	10.0000	10
M 70 Xylene (total)	106				2425621	10.0000	29
52 Methyl Isobutyl Ketone	43	13.268	13.268	(1.166)	1053294	10.0000	10
54 Toluene	92	13.519	13.519	(0.874)	1232672	10.0000	10
53 n-Octane	43	13.540	13.540	(1.190)	1375134	10.0000	10
55 trans-1,3-Dichloropropene	75	13.866	13.866	(1.219)	845649	10.0000	10
56 1,1,2-Trichloroethane	83	14.132	14.132	(0.913)	526546	10.0000	10
57 Tetrachloroethene	166	14.282	14.282	(0.923)	963116	10.0000	10
58 Methyl Butyl Ketone	43	14.431	14.431	(0.933)	905838	10.0000	9.8
59 Dibromochloromethane	129	14.682	14.682	(0.949)	1000696	10.0000	11
60 1,2-Dibromoethane	107	14.885	14.885	(0.962)	943433	10.0000	11
* 61 Chlorobenzene-d5	117	15.472	15.472	(1.000)	2675645	10.0000	
62 Chlorobenzene	112	15.509	15.509	(1.002)	1444465	10.0000	9.8

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppbv)	ON-COL (ppbv)
-----	----	--	-----	-----	-----	-----	-----
63 Ethylbenzene	91	15.595	15.595	(1.008)	2102177	10.0000	9.7
84 Nonane	57	15.648	15.648	(1.011)	1039649	10.0000	9.3
64 Xylene (m,p)	106	15.744	15.744	(1.018)	1603531	20.0000	20
65 Xylene (o)	106	16.262	16.262	(1.051)	822090	10.0000	9.8
66 Styrene	104	16.283	16.283	(1.052)	1121641	10.0000	10
67 Bromoform	173	16.555	16.555	(1.070)	786021	10.0000	10
68 Cumene	105	16.683	16.683	(1.078)	2384962	10.0000	10
69 1,1,2,2-Tetrachloroethane	83	17.078	17.078	(1.104)	1130225	10.0000	10
73 1,2,3-Trichloropropane	75	17.158	17.158	(1.109)	889610	10.0000	9.7
72 n-Propylbenzene	91	17.169	17.169	(1.110)	2633982	10.0000	10
71 n-Decane	57	17.265	17.265	(1.116)	1168475	10.0000	9.6
74 4-Ethyltoluene	105	17.297	17.297	(1.118)	2187643	10.0000	10
76 2-Chlorotoluene	91	17.324	17.324	(1.120)	1948454	10.0000	9.7
75 1,3,5-Trimethylbenzene	105	17.367	17.367	(1.122)	1917318	10.0000	10
77 a-Methylstyrene	118	17.628	17.628	(1.139)	851559	10.0000	11
78 Tert-Butylbenzene	119	17.735	17.735	(1.146)	1889566	10.0000	10
79 1,2,4-Trimethylbenzene	105	17.799	17.799	(1.150)	1837188	10.0000	10
80 Sec-Butylbenzene	105	17.986	17.986	(1.162)	2725941	10.0000	10
81 4-Isopropyltoluene	119	18.140	18.140	(1.172)	2267833	10.0000	10
82 1,3-Dichlorobenzene	146	18.188	18.188	(1.176)	1112464	10.0000	9.2
83 1,4-Dichlorobenzene	146	18.300	18.300	(1.183)	1081128	10.0000	9.1
86 Benzyl Chloride	91	18.445	18.445	(1.192)	1346679	10.0000	9.5
85 n-Undecane	57	18.626	18.626	(1.204)	1184209	10.0000	9.5
87 n-Butylbenzene	91	18.631	18.631	(1.204)	1936382	10.0000	10
88 1,2-Dichlorobenzene	146	18.759	18.759	(1.212)	1099987	10.0000	9.6
89 n-Dodecane	57	20.030	20.030	(1.295)	748621	10.0000	9.3
90 1,2,4-Trichlorobenzene	180	21.017	21.017	(1.358)	729446	10.0000	10
91 Hexachlorobutadiene	225	21.198	21.198	(1.370)	744033	10.0000	10
92 Naphthalene	128	21.471	21.471	(1.388)	1693456	10.0000	11
93 1,2,3-Trichlorobenzene	180	21.914	21.914	(1.416)	674393	10.0000	11

Data File: /chem/C.i/Csvr.p/cilt015.b/cilt15v.d
Date: 24-AUG-2009 05:48
Client ID: ASTD015
Sample Info:
Purge Volume: 200.0
Column phase: RTX-624

Instrument: C.i
Operator: njr
Column diameter: 0.32



TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/C.i/Csvr.p/cilto15.b/cil15v.d
Lab Smp Id: ASTD015 Client Smp ID: ASTD015
Inj Date : 24-AUG-2009 05:48
Operator : njr Inst ID: C.i
Smp Info :
Misc Info : ASTD015;082309CA;1;200
Comment :
Method : /chem/C.i/Csvr.p/cilto15.b/sto15.m
Meth Date : 27-Aug-2009 10:25 jd1 Quant Type: ISTD
Cal Date : 24-AUG-2009 05:48 Cal File: cil15v.d
Als bottle: 5 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

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

Cpnd Variable

Local Compound Variable

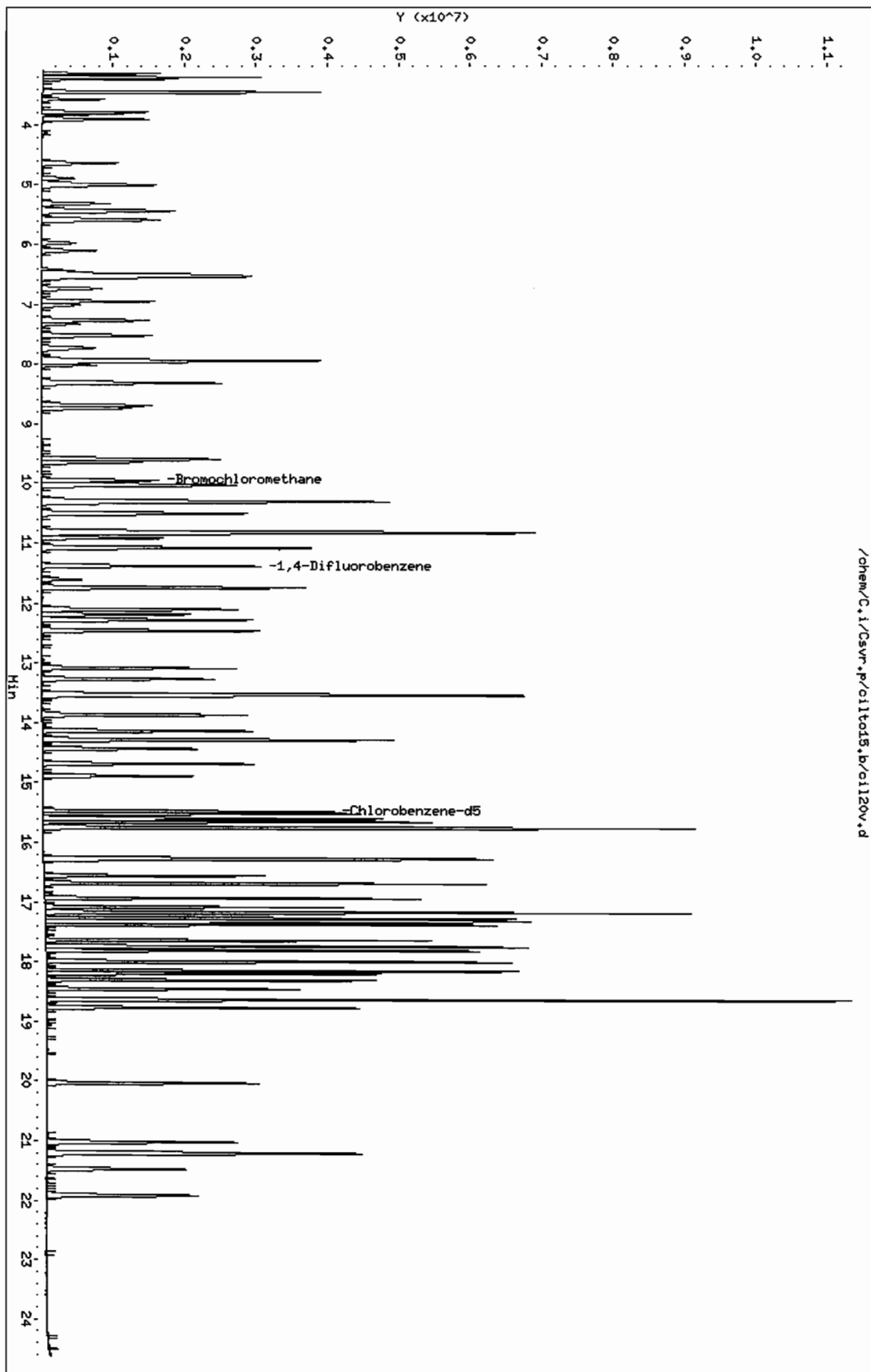
Compounds	QUANT SIG						AMOUNTS	
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppbv)	ON-COL (ppbv)
1 Dichlorodifluoromethane	85		3.202	3.202	(0.322)	1949854	15.0000	15
2 Freon-22	51		3.240	3.240	(0.325)	1187871	15.0000	15
3 1,2-Dichlorotetrafluoroethane	85		3.453	3.448	(0.347)	2085630	15.0000	15
4 Chloromethane	50		3.576	3.576	(0.359)	619752	15.0000	15
5 n-Butane	43		3.784	3.784	(0.380)	1135529	15.0000	14
6 Vinyl Chloride	62		3.822	3.821	(0.384)	769514	15.0000	16
7 1,3-Butadiene	54		3.907	3.902	(0.392)	568440	15.0000	16
9 Bromomethane	94		4.633	4.633	(0.465)	718774	15.0000	16
10 Chloroethane	64		4.889	4.889	(0.491)	424666	15.0000	16
11 Isopentane	43		4.996	4.996	(0.502)	876621	15.0000	15
12 Bromoethene	106		5.311	5.310	(0.534)	738241	15.0000	16
13 Trichlorofluoromethane	101		5.433	5.433	(0.546)	2031648	15.0000	15
14 Pentane	43		5.588	5.583	(0.561)	1313280	15.0000	14
15 Ethyl Ether	59		6.106	6.100	(0.613)	518529	15.0000	16
16 Acrolein	56		6.431	6.431	(0.646)	268626	15.0000	15

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppbv)	ON-COL (ppbv)
=====	====	==	=====	=====	=====	=====	=====
17 Freon TF	101	6.506	6.511	(0.654)	1515696	15.0000	16
18 1,1-Dichloroethene	96	6.543	6.543	(0.657)	717083	15.0000	15
19 Acetone	43	6.735	6.735	(0.677)	1162680	15.0000	15
21 Carbon Disulfide	76	6.949	6.944	(0.698)	2306756	15.0000	16
20 Isopropyl Alcohol	45	7.013	7.008	(0.705)	741524	15.0000	15
22 3-Chloropropene	41	7.264	7.264	(0.730)	998643	15.0000	15
23 Acetonitrile	41	7.328	7.322	(0.736)	554133	15.0000	16
24 Methylene Chloride	49	7.520	7.515	(0.756)	890766	15.0000	14
25 tert-Butyl Alcohol	59	7.728	7.728	(0.776)	1068121	15.0000	15
26 Methyl tert-Butyl Ether	73	7.942	7.936	(0.798)	2237549	15.0000	16
27 trans-1,2-Dichloroethene	61	7.942	7.936	(0.798)	1248957	15.0000	16
28 n-Hexane	57	8.310	8.304	(0.835)	1336486	15.0000	15
29 1,1-Dichloroethane	63	8.683	8.683	(0.872)	1567715	15.0000	16
M 40 1,2-Dichloroethene (total)	61				2117116	15.0000	31
31 cis-1,2-Dichloroethene	96	9.591	9.591	(0.964)	868159	15.0000	16
30 Methyl Ethyl Ketone	72	9.617	9.617	(0.966)	314542	15.0000	14
* 32 Bromochloromethane	128	9.954	9.948	(1.000)	530965	10.0000	
33 Tetrahydrofuran	42	10.007	10.007	(0.879)	766781	15.0000	15
34 Chloroform	83	10.039	10.034	(1.009)	1772287	15.0000	16
35 1,1,1-Trichloroethane	97	10.295	10.295	(0.905)	1851457	15.0000	16
36 Cyclohexane	84	10.311	10.311	(0.906)	1232435	15.0000	16
37 Carbon Tetrachloride	117	10.503	10.503	(0.923)	1816582	15.0000	16
38 2,2,4-Trimethylpentane	57	10.818	10.818	(0.951)	4303188	15.0000	16
39 Benzene	78	10.824	10.823	(0.951)	2704999	15.0000	15
41 1,2-Dichloroethane	62	10.914	10.914	(0.959)	1319945	15.0000	16
42 n-Heptane	43	11.080	11.074	(0.974)	1597347	15.0000	15
* 43 1,4-Difluorobenzene	114	11.379	11.379	(1.000)	3004520	10.0000	
44 1-Butanol	56	11.608	11.608	(1.020)	293018	15.0000	16
45 Trichloroethene	95	11.736	11.736	(1.031)	1154100	15.0000	16
47 1,2-Dichloropropane	63	12.099	12.094	(1.063)	949482	15.0000	15
46 Methyl Methacrylate	69	12.179	12.179	(1.070)	684131	15.0000	16
48 1,4-Dioxane	88	12.259	12.254	(1.077)	299719	15.0000	15
49 Dibromomethane	174	12.270	12.270	(1.078)	940734	15.0000	16
50 Bromodichloromethane	83	12.451	12.451	(1.094)	1918849	15.0000	17
51 cis-1,3-Dichloropropene	75	13.086	13.081	(1.150)	1411985	15.0000	15
M 70 Xylene (total)	106				3715992	15.0000	47
52 Methyl Isobutyl Ketone	43	13.268	13.268	(1.166)	1646118	15.0000	16
54 Toluene	92	13.519	13.519	(0.874)	1747487	15.0000	15
53 n-Octane	43	13.540	13.540	(1.190)	2056393	15.0000	15
55 trans-1,3-Dichloropropene	75	13.871	13.866	(1.219)	1251761	15.0000	15
56 1,1,2-Trichloroethane	83	14.132	14.132	(0.913)	769051	15.0000	15
57 Tetrachloroethene	166	14.282	14.282	(0.923)	1468292	15.0000	16
58 Methyl Butyl Ketone	43	14.431	14.431	(0.933)	1410138	15.0000	16
59 Dibromochloromethane	129	14.682	14.682	(0.949)	1494751	15.0000	17
60 1,2-Dibromoethane	107	14.885	14.885	(0.962)	1372049	15.0000	16
* 61 Chlorobenzene-d5	117	15.472	15.472	(1.000)	2559719	10.0000	
62 Chlorobenzene	112	15.515	15.509	(1.003)	2092858	15.0000	15

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppbv)	ON-COL (ppbv)
=====	----	--	-----	-----	-----	-----	-----
63 Ethylbenzene	91	15.595	15.595	(1.008)	3161570	15.0000	15
84 Nonane	57	15.648	15.648	(1.011)	1588690	15.0000	15
64 Xylene (m,p)	106	15.749	15.744	(1.018)	2453760	30.0000	31
65 Xylene (o)	106	16.262	16.262	(1.051)	1262232	15.0000	16
66 Styrene	104	16.283	16.283	(1.052)	1744429	15.0000	17
67 Bromoform	173	16.555	16.555	(1.070)	1199120	15.0000	17
68 Cumene	105	16.683	16.683	(1.078)	3704601	15.0000	16
69 1,1,2,2-Tetrachloroethane	83	17.078	17.078	(1.104)	1724921	15.0000	16
73 1,2,3-Trichloropropane	75	17.158	17.158	(1.109)	1340329	15.0000	15
72 n-Propylbenzene	91	17.169	17.169	(1.110)	4020937	15.0000	16
71 n-Decane	57	17.265	17.265	(1.116)	1801560	15.0000	15
74 4-Ethyltoluene	105	17.297	17.297	(1.118)	3335906	15.0000	16
76 2-Chlorotoluene	91	17.324	17.324	(1.120)	2918176	15.0000	15
75 1,3,5-Trimethylbenzene	105	17.367	17.367	(1.122)	2927435	15.0000	16
77 a-Methylstyrene	118	17.633	17.628	(1.140)	1329538	15.0000	17
78 Tert-Butylbenzene	119	17.735	17.735	(1.146)	2913560	15.0000	16
79 1,2,4-Trimethylbenzene	105	17.804	17.799	(1.151)	2808507	15.0000	16
80 Sec-Butylbenzene	105	17.991	17.986	(1.163)	4142417	15.0000	16
81 4-Isopropyltoluene	119	18.140	18.140	(1.172)	3448092	15.0000	16
82 1,3-Dichlorobenzene	146	18.188	18.188	(1.176)	1654267	15.0000	14
83 1,4-Dichlorobenzene	146	18.301	18.300	(1.183)	1602661	15.0000	14
86 Benzyl Chloride	91	18.450	18.445	(1.192)	2221870	15.0000	16
85 n-Undecane	57	18.626	18.626	(1.204)	1820163	15.0000	15
87 n-Butylbenzene	91	18.631	18.631	(1.204)	2956994	15.0000	16
88 1,2-Dichlorobenzene	146	18.765	18.759	(1.213)	1650997	15.0000	15
89 n-Dodecane	57	20.035	20.030	(1.295)	1189255	15.0000	15
90 1,2,4-Trichlorobenzene	180	21.017	21.017	(1.358)	1132144	15.0000	16
91 Hexachlorobutadiene	225	21.198	21.198	(1.370)	1124599	15.0000	16
92 Naphthalene	128	21.471	21.471	(1.388)	2698689	15.0000	18
93 1,2,3-Trichlorobenzene	180	21.914	21.914	(1.416)	1049672	15.0000	17

Data File: /chem/C.i/Csvr.p/ciltot5.b/cil2ov.d
Date : 24-JUL-2009 06:37
Client ID: ASTD020
Sample Info:
Purge Volume: 200.0
Column phase: RTX-624

Instrument: C.i
Operator: njr
Column diameter: 0.32



Data File: /chem/C.i/Csvr.p/cilto15.b/cil20v.d
Report Date: 27-Aug-2009 10:25

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TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/C.i/Csvr.p/cilto15.b/cil20v.d
Lab Smp Id: ASTD020 Client Smp ID: ASTD020
Inj Date : 24-AUG-2009 06:37
Operator : njr Inst ID: C.i
Smp Info :
Misc Info : ASTD020;082309CA;1;200
Comment :
Method : /chem/C.i/Csvr.p/cilto15.b/sto15.m
Meth Date : 27-Aug-2009 10:25 jdl Quant Type: ISTD
Cal Date : 24-AUG-2009 06:37 Cal File: cil20v.d
Als bottle: 6 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

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

Cpnd Variable

Local Compound Variable

Compounds	QUANT SIG						AMOUNTS	
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppbv)	ON-COL (ppbv)
1 Dichlorodifluoromethane	85		3.203	3.202	(0.322)	2534115	20.0000	19
2 Freon-22	51		3.240	3.240	(0.325)	1564608	20.0000	20
3 1,2-Dichlorotetrafluoroethane	85		3.448	3.448	(0.346)	2728950	20.0000	20
4 Chloromethane	50		3.576	3.576	(0.359)	815042	20.0000	19
5 n-Butane	43		3.784	3.784	(0.380)	1489429	20.0000	18
6 Vinyl Chloride	62		3.822	3.821	(0.384)	1008163	20.0000	20
7 1,3-Butadiene	54		3.902	3.902	(0.392)	743055	20.0000	20
9 Bromomethane	94		4.633	4.633	(0.465)	940635	20.0000	20
10 Chloroethane	64		4.889	4.889	(0.491)	551478	20.0000	20
11 Isopentane	43		4.996	4.996	(0.502)	1145515	20.0000	19
12 Bromoethene	106		5.311	5.310	(0.534)	972817	20.0000	20
13 Trichlorofluoromethane	101		5.428	5.433	(0.545)	2654324	20.0000	20
14 Pentane	43		5.588	5.583	(0.561)	1701910	20.0000	19
15 Ethyl Ether	59		6.100	6.100	(0.613)	678069	20.0000	20
16 Acrolein	56		6.431	6.431	(0.646)	348461	20.0000	20

Compounds	QUANT SIG			REL RT	RESPONSE	AMOUNTS	
	MASS	RT	EXP RT			CAL-AMT (ppbv)	ON-COL (ppbv)
=====	=====	==	=====	=====	=====	=====	=====
17 Freon TF	101	6.511	6.511	(0.654)	1984267	20.0000	20
18 1,1-Dichloroethene	96	6.543	6.543	(0.657)	940532	20.0000	20
19 Acetone	43	6.736	6.735	(0.677)	1484012	20.0000	19
21 Carbon Disulfide	76	6.949	6.944	(0.698)	3021238	20.0000	20
20 Isopropyl Alcohol	45	7.013	7.008	(0.705)	967769	20.0000	20
22 3-Chloropropene	41	7.264	7.264	(0.730)	1309226	20.0000	20
23 Acetonitrile	41	7.323	7.322	(0.736)	700756	20.0000	19
24 Methylene Chloride	49	7.520	7.515	(0.756)	1161384	20.0000	18
25 tert-Butyl Alcohol	59	7.723	7.728	(0.776)	1400705	20.0000	20
26 Methyl tert-Butyl Ether	73	7.936	7.936	(0.797)	2891399	20.0000	20
27 trans-1,2-Dichloroethene	61	7.942	7.936	(0.798)	1622561	20.0000	20
28 n-Hexane	57	8.305	8.304	(0.834)	1739643	20.0000	19
29 1,1-Dichloroethane	63	8.684	8.683	(0.872)	2053687	20.0000	20
M 40 1,2-Dichloroethene (total)	61				2752534	40.0000	40
31 cis-1,2-Dichloroethene	96	9.591	9.591	(0.964)	1129973	20.0000	20
30 Methyl Ethyl Ketone	72	9.617	9.617	(0.966)	418178	20.0000	19
* 32 Bromochloromethane	128	9.954	9.948	(1.000)	536673	10.0000	
33 Tetrahydrofuran	42	10.007	10.007	(0.879)	996694	20.0000	19
34 Chloroform	83	10.039	10.034	(1.009)	2306062	20.0000	20
35 1,1,1-Trichloroethane	97	10.295	10.295	(0.905)	2411204	20.0000	20
36 Cyclohexane	84	10.311	10.311	(0.906)	1618664	20.0000	20
37 Carbon Tetrachloride	117	10.503	10.503	(0.923)	2382773	20.0000	21
38 2,2,4-Trimethylpentane	57	10.818	10.818	(0.951)	5608010	20.0000	20
39 Benzene	78	10.824	10.823	(0.951)	3534789	20.0000	20
41 1,2-Dichloroethane	62	10.914	10.914	(0.959)	1728231	20.0000	20
42 n-Heptane	43	11.080	11.074	(0.974)	2077160	20.0000	19
* 43 1,4-Difluorobenzene	114	11.379	11.379	(1.000)	3035539	10.0000	
44 1-Butanol	56	11.603	11.608	(1.020)	387058	20.0000	20
45 Trichloroethene	95	11.736	11.736	(1.031)	1505515	20.0000	20
47 1,2-Dichloropropane	63	12.099	12.094	(1.063)	1252011	20.0000	20
46 Methyl Methacrylate	69	12.179	12.179	(1.070)	925596	20.0000	22
48 1,4-Dioxane	88	12.259	12.254	(1.077)	391401	20.0000	20
49 Dibromomethane	174	12.270	12.270	(1.078)	1240179	20.0000	21
50 Bromodichloromethane	83	12.451	12.451	(1.094)	2522424	20.0000	22
51 cis-1,3-Dichloropropene	75	13.086	13.081	(1.150)	1866419	20.0000	20
M 70 Xylene (total)	106				4948255	20.0000	59
52 Methyl Isobutyl Ketone	43	13.268	13.268	(1.166)	2175626	20.0000	21
54 Toluene	92	13.519	13.519	(0.874)	2323590	20.0000	19
53 n-Octane	43	13.540	13.540	(1.190)	2657522	20.0000	19
55 trans-1,3-Dichloropropene	75	13.871	13.866	(1.219)	1687914	20.0000	19
56 1,1,2-Trichloroethane	83	14.133	14.132	(0.913)	1013281	20.0000	19
57 Tetrachloroethene	166	14.282	14.282	(0.923)	1914295	20.0000	20
58 Methyl Butyl Ketone	43	14.431	14.431	(0.933)	1884013	20.0000	20
59 Dibromochloromethane	129	14.682	14.682	(0.949)	1990431	20.0000	21
60 1,2-Dibromoethane	107	14.885	14.885	(0.962)	1818053	20.0000	20
* 61 Chlorobenzene-d5	117	15.472	15.472	(1.000)	2680742	10.0000	
62 Chlorobenzene	112	15.515	15.509	(1.003)	2762177	20.0000	19

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppbv)	ON-COL (ppbv)
-----	----	--	-----	-----	-----	-----	-----
63 Ethylbenzene	91	15.595	15.595	(1.008)	4222650	20.0000	20
84 Nonane	57	15.648	15.648	(1.011)	2116419	20.0000	19
64 Xylene (m,p)	106	15.750	15.744	(1.018)	3268802	40.0000	40
65 Xylene (o)	106	16.262	16.262	(1.051)	1679453	20.0000	20
66 Styrene	104	16.283	16.283	(1.052)	2356712	20.0000	21
67 Bromoform	173	16.555	16.555	(1.070)	1624172	20.0000	21
68 Cumene	105	16.684	16.683	(1.078)	4866346	20.0000	21
69 1,1,2,2-Tetrachloroethane	83	17.078	17.078	(1.104)	2288252	20.0000	20
73 1,2,3-Trichloropropane	75	17.159	17.158	(1.109)	1790069	20.0000	19
72 n-Propylbenzene	91	17.169	17.169	(1.110)	5327566	20.0000	20
71 n-Decane	57	17.265	17.265	(1.116)	2370875	20.0000	19
74 4-Ethyltoluene	105	17.297	17.297	(1.118)	4427793	20.0000	20
76 2-Chlorotoluene	91	17.324	17.324	(1.120)	3846673	20.0000	19
75 1,3,5-Trimethylbenzene	105	17.367	17.367	(1.122)	3818942	20.0000	20
77 a-Methylstyrene	118	17.634	17.628	(1.140)	1779984	20.0000	22
78 Tert-Butylbenzene	119	17.735	17.735	(1.146)	3836170	20.0000	21
79 1,2,4-Trimethylbenzene	105	17.804	17.799	(1.151)	3652128	20.0000	20
80 Sec-Butylbenzene	105	17.986	17.986	(1.162)	5466953	20.0000	21
81 4-Isopropyltoluene	119	18.141	18.140	(1.172)	4543928	20.0000	21
82 1,3-Dichlorobenzene	146	18.189	18.188	(1.176)	2195651	20.0000	18
83 1,4-Dichlorobenzene	146	18.301	18.300	(1.183)	2119795	20.0000	18
86 Benzyl Chloride	91	18.450	18.445	(1.192)	2973157	20.0000	21
85 n-Undecane	57	18.626	18.626	(1.204)	2313534	20.0000	19
87 n-Butylbenzene	91	18.632	18.631	(1.204)	3881510	20.0000	21
88 1,2-Dichlorobenzene	146	18.765	18.759	(1.213)	2169468	20.0000	19
89 n-Dodecane	57	20.030	20.030	(1.295)	1380965	20.0000	17
90 1,2,4-Trichlorobenzene	180	21.017	21.017	(1.358)	1307847	20.0000	18
91 Hexachlorobutadiene	225	21.199	21.198	(1.370)	1452470	20.0000	20
92 Naphthalene	128	21.471	21.471	(1.388)	2510077	20.0000	16
93 1,2,3-Trichlorobenzene	180	21.914	21.914	(1.416)	1146400	20.0000	18

Data File: /chem/C.i/Csvr,p/oilto15,b/oil140v.d

Date : 24-AUG-2009 07:25

Client ID: ASTD040

Sample Info:

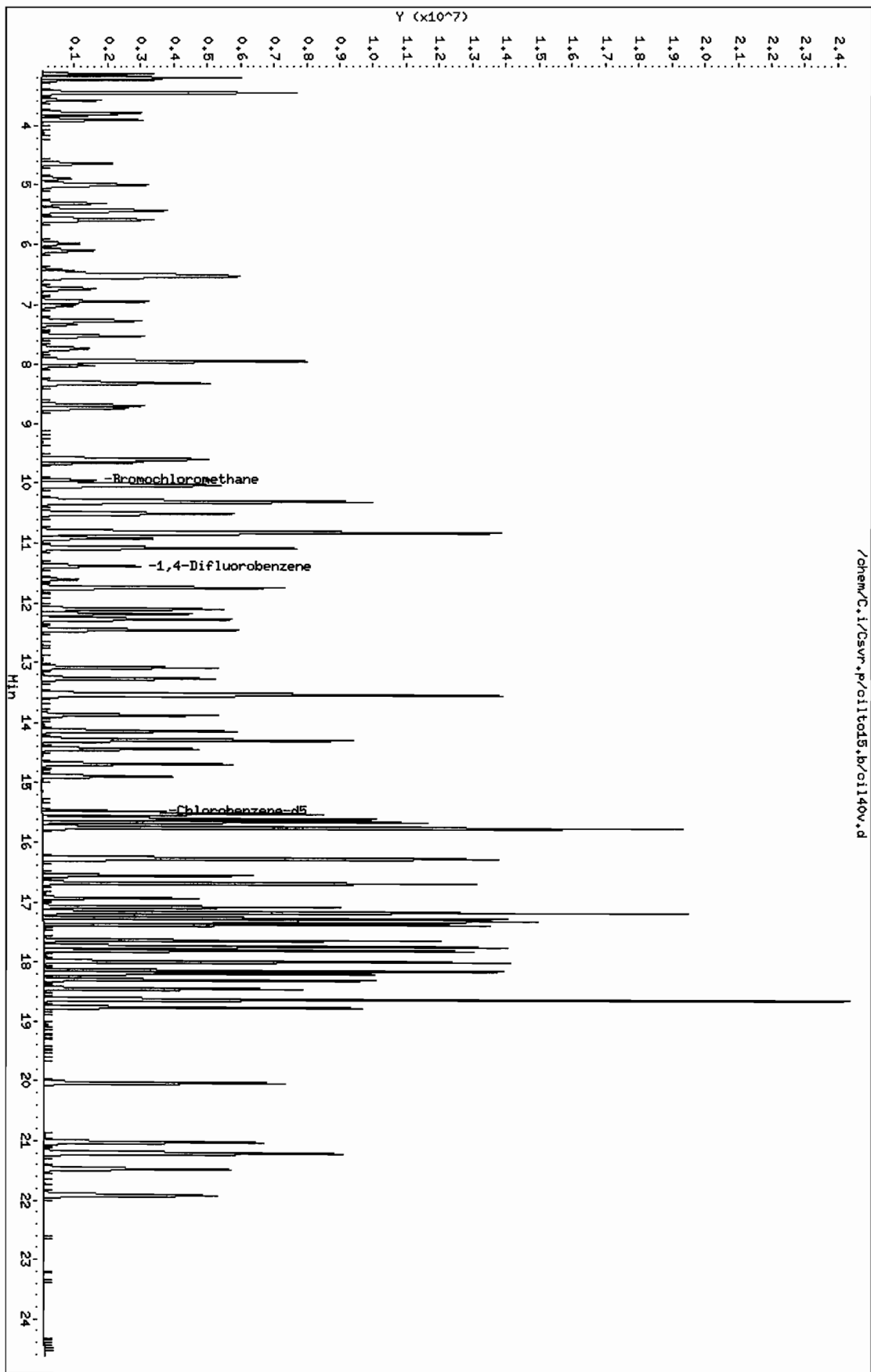
Purge Volume: 200.0

Column Phase: RTX-624

Instrument: C.i

Operator: njr

Column diameter: 0.32



Data File: /chem/C.i/Csvr.p/cilto15.b/cil40v.d
Report Date: 27-Aug-2009 10:25

Page 1

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/C.i/Csvr.p/cilto15.b/cil40v.d
Lab Smp Id: ASTD040 Client Smp ID: ASTD040
Inj Date : 24-AUG-2009 07:25
Operator : njr Inst ID: C.i
Smp Info :
Misc Info : ASTD040;082309CA;1;200
Comment :
Method : /chem/C.i/Csvr.p/cilto15.b/sto15.m
Meth Date : 27-Aug-2009 10:25 jdl Quant Type: ISTD
Cal Date : 24-AUG-2009 07:25 Cal File: cil40v.d
Als bottle: 7 Calibration Sample, Level: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

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

Cpnd Variable

Local Compound Variable

Compounds	QUANT SIG						AMOUNTS	
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppbv)	ON-COL (ppbv)
1 Dichlorodifluoromethane	85		3.203	3.202	(0.322)	5025304	40.0000	38
2 Freon-22	51		3.240	3.240	(0.325)	3140283	40.0000	39
3 1,2-Dichlorotetrafluoroethane	85		3.448	3.448	(0.346)	5448302	40.0000	40
4 Chloromethane	50		3.576	3.576	(0.359)	1677518	40.0000	39
5 n-Butane	43		3.784	3.784	(0.380)	3049024	40.0000	37
6 Vinyl Chloride	62		3.822	3.821	(0.384)	2055437	40.0000	41 (A)
7 1,3-Butadiene	54		3.902	3.902	(0.392)	1527223	40.0000	41 (A)
9 Bromomethane	94		4.633	4.633	(0.465)	1913875	40.0000	41 (A)
10 Chloroethane	64		4.889	4.889	(0.491)	1121735	40.0000	40 (A)
11 Isopentane	43		4.996	4.996	(0.502)	2324571	40.0000	39
12 Bromoethene	106		5.311	5.310	(0.534)	1997562	40.0000	42 (A)
13 Trichlorofluoromethane	101		5.433	5.433	(0.546)	5404228	40.0000	40
14 Pentane	43		5.588	5.583	(0.561)	3484097	40.0000	38
15 Ethyl Ether	59		6.106	6.100	(0.613)	1430722	40.0000	42 (A)
16 Acrolein	56		6.431	6.431	(0.646)	748299	40.0000	42 (A)

QUANT SIG						AMOUNTS	
Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppbv)	ON-COL (ppbv)
=====	=====	==	=====	=====	=====	=====	=====
17 Freon TF	101	6.511	6.511	(0.654)	4028877	40.0000	41 (A)
18 1,1-Dichloroethene	96	6.549	6.543	(0.658)	1928712	40.0000	41 (A)
19 Acetone	43	6.736	6.735	(0.677)	2985434	40.0000	38
21 Carbon Disulfide	76	6.949	6.944	(0.698)	6112082	40.0000	41 (A)
20 Isopropyl Alcohol	45	7.018	7.008	(0.705)	1851929	40.0000	38
22 3-Chloropropene	41	7.264	7.264	(0.730)	2698428	40.0000	41 (A)
23 Acetonitrile	41	7.328	7.322	(0.736)	1380309	40.0000	38
24 Methylene Chloride	49	7.520	7.515	(0.756)	2338196	40.0000	35
25 tert-Butyl Alcohol	59	7.728	7.728	(0.776)	2687228	40.0000	38
26 Methyl tert-Butyl Ether	73	7.936	7.936	(0.797)	6028201	40.0000	42 (A)
27 trans-1,2-Dichloroethene	61	7.942	7.936	(0.798)	3292137	40.0000	40 (A)
28 n-Hexane	57	8.310	8.304	(0.835)	3539093	40.0000	39
29 1,1-Dichloroethane	63	8.684	8.683	(0.872)	4147429	40.0000	41 (A)
M 40 1,2-Dichloroethene (total)	61				5583878	80.0000	81
31 cis-1,2-Dichloroethene	96	9.591	9.591	(0.964)	2291741	40.0000	40 (A)
30 Methyl Ethyl Ketone	72	9.618	9.617	(0.966)	900863	40.0000	40 (A)
* 32 Bromochloromethane	128	9.954	9.948	(1.000)	539880	10.0000	
33 Tetrahydrofuran	42	10.007	10.007	(0.879)	2093630	40.0000	42 (A)
34 Chloroform	83	10.039	10.034	(1.009)	4622547	40.0000	40 (A)
35 1,1,1-Trichloroethane	97	10.301	10.295	(0.905)	4913137	40.0000	42 (A)
36 Cyclohexane	84	10.317	10.311	(0.907)	3319894	40.0000	43 (A)
37 Carbon Tetrachloride	117	10.503	10.503	(0.923)	4843007	40.0000	44 (A)
38 2,2,4-Trimethylpentane	57	10.818	10.818	(0.951)	11362076	40.0000	42 (A)
39 Benzene	78	10.824	10.823	(0.951)	7093549	40.0000	41 (A)
41 1,2-Dichloroethane	62	10.914	10.914	(0.959)	3463132	40.0000	42 (A)
42 n-Heptane	43	11.080	11.074	(0.974)	4209774	40.0000	41 (A)
* 43 1,4-Difluorobenzene	114	11.379	11.379	(1.000)	2954357	10.0000	
44 1-Butanol	56	11.603	11.608	(1.020)	761926	40.0000	41 (A)
45 Trichloroethene	95	11.736	11.736	(1.031)	3010201	40.0000	42 (A)
47 1,2-Dichloropropane	63	12.099	12.094	(1.063)	2513237	40.0000	42 (A)
46 Methyl Methacrylate	69	12.179	12.179	(1.070)	2046131	40.0000	49 (A)
48 1,4-Dioxane	88	12.259	12.254	(1.077)	767039	40.0000	39
49 Dibromomethane	174	12.275	12.270	(1.079)	2458756	40.0000	43 (A)
50 Bromodichloromethane	83	12.451	12.451	(1.094)	4944107	40.0000	44 (A)
51 cis-1,3-Dichloropropene	75	13.086	13.081	(1.150)	3612180	40.0000	40 (A)
M 70 Xylene (total)	106				10685953	40.0000	150 (A)
52 Methyl Isobutyl Ketone	43	13.268	13.268	(1.166)	4673690	40.0000	47 (A)
54 Toluene	92	13.524	13.519	(0.874)	4688223	40.0000	44 (A)
53 n-Octane	43	13.540	13.540	(1.190)	5374740	40.0000	40
55 trans-1,3-Dichloropropene	75	13.871	13.866	(1.219)	3355426	40.0000	40
56 1,1,2-Trichloroethane	83	14.133	14.132	(0.913)	2027965	40.0000	45 (A)
57 Tetrachloroethene	166	14.287	14.282	(0.923)	3720136	40.0000	45 (A)
58 Methyl Butyl Ketone	43	14.431	14.431	(0.933)	4100763	40.0000	52 (A)
59 Dibromochloromethane	129	14.682	14.682	(0.949)	3947948	40.0000	49 (A)
60 1,2-Dibromoethane	107	14.890	14.885	(0.962)	3415925	40.0000	44 (A)
* 61 Chlorobenzene-d5	117	15.472	15.472	(1.000)	2300481	10.0000	
62 Chlorobenzene	112	15.515	15.509	(1.003)	5394999	40.0000	43 (A)

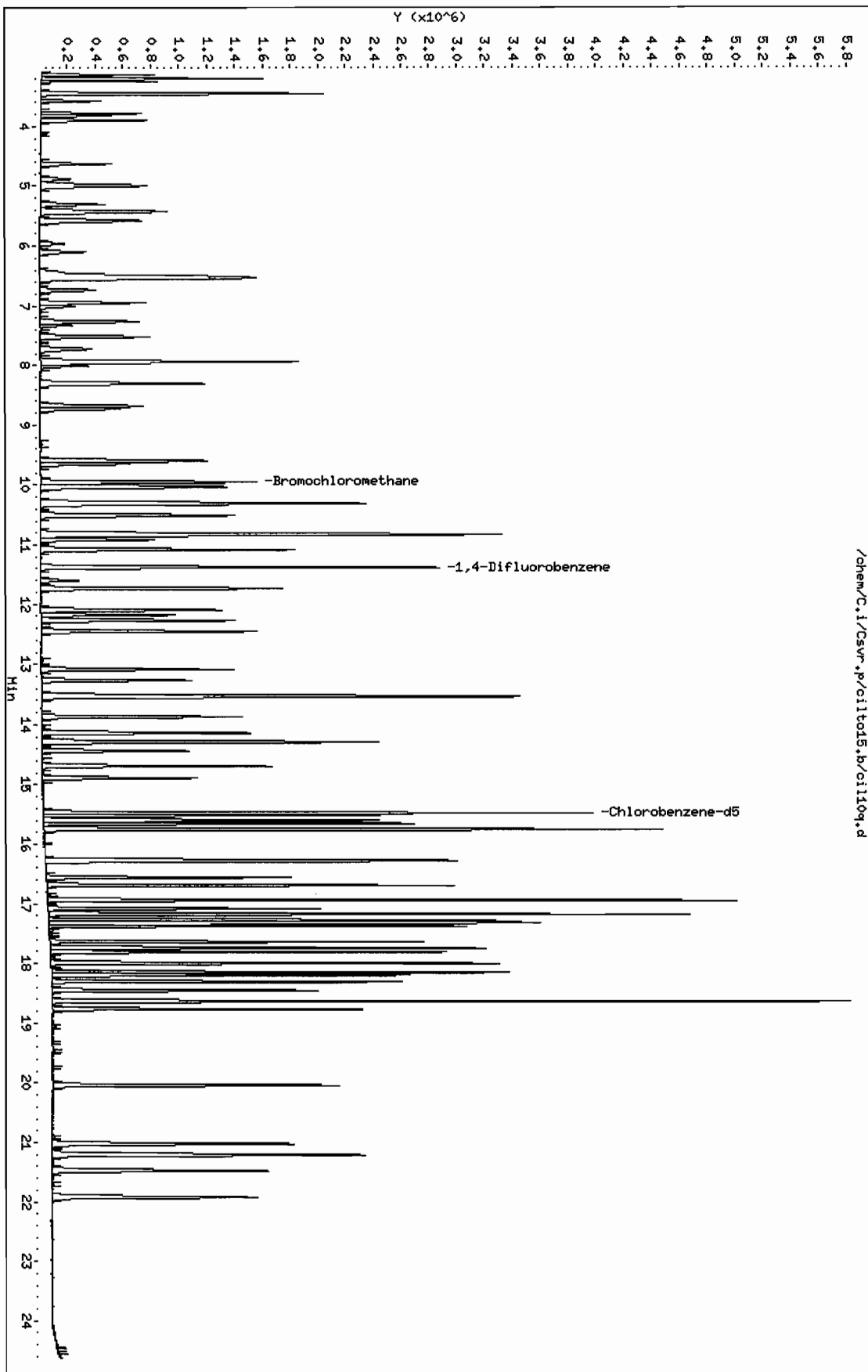
Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppbv)	ON-COL (ppbv)
=====	=====	==	=====	=====	=====	=====	=====
63 Ethylbenzene	91	15.595	15.595	(1.008)	8904249	40.0000	48 (A)
84 Nonane	57	15.654	15.648	(1.012)	4572628	40.0000	48 (A)
64 Xylene (m,p)	106	15.750	15.744	(1.018)	7044116	80.0000	100 (A)
65 Xylene (o)	106	16.262	16.262	(1.051)	3641837	40.0000	51 (A)
66 Styrene	104	16.283	16.283	(1.052)	5118563	40.0000	54 (A)
67 Bromoform	173	16.561	16.555	(1.070)	3414777	40.0000	52 (A)
68 Cumene	105	16.689	16.683	(1.079)	10257230	40.0000	50 (A)
69 1,1,2,2-Tetrachloroethane	83	17.079	17.078	(1.104)	4918154	40.0000	51 (A)
73 1,2,3-Trichloropropane	75	17.164	17.158	(1.109)	3834270	40.0000	48 (A)
72 n-Propylbenzene	91	17.169	17.169	(1.110)	11246863	40.0000	50 (A)
71 n-Decane	57	17.265	17.265	(1.116)	5173166	40.0000	49 (A)
74 4-Ethyltoluene	105	17.297	17.297	(1.118)	9394558	40.0000	50 (A)
76 2-Chlorotoluene	91	17.324	17.324	(1.120)	8082076	40.0000	47 (A)
75 1,3,5-Trimethylbenzene	105	17.367	17.367	(1.122)	8137824	40.0000	51 (A)
77 a-Methylstyrene	118	17.634	17.628	(1.140)	3978801	40.0000	58 (A)
78 Tert-Butylbenzene	119	17.735	17.735	(1.146)	8155577	40.0000	51 (A)
79 1,2,4-Trimethylbenzene	105	17.804	17.799	(1.151)	7856944	40.0000	51 (A)
80 Sec-Butylbenzene	105	17.991	17.986	(1.163)	11512278	40.0000	51 (A)
81 4-Isopropyltoluene	119	18.141	18.140	(1.172)	9677294	40.0000	51 (A)
82 1,3-Dichlorobenzene	146	18.194	18.188	(1.176)	4689644	40.0000	45 (A)
83 1,4-Dichlorobenzene	146	18.301	18.300	(1.183)	4581623	40.0000	45 (A)
86 Benzyl Chloride	91	18.450	18.445	(1.192)	6532992	40.0000	53 (A)
85 n-Undecane	57	18.626	18.626	(1.204)	5094819	40.0000	48 (A)
87 n-Butylbenzene	91	18.632	18.631	(1.204)	8281901	40.0000	51 (A)
88 1,2-Dichlorobenzene	146	18.765	18.759	(1.213)	4665799	40.0000	48 (A)
89 n-Dodecane	57	20.035	20.030	(1.295)	3382712	40.0000	49 (A)
90 1,2,4-Trichlorobenzene	180	21.017	21.017	(1.358)	3215366	40.0000	51 (A)
91 Hexachlorobutadiene	225	21.204	21.198	(1.370)	2991272	40.0000	48 (A)
92 Naphthalene	128	21.471	21.471	(1.388)	7403986	40.0000	54 (A)
93 1,2,3-Trichlorobenzene	180	21.914	21.914	(1.416)	2840386	40.0000	52 (A)

QC Flag Legend

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

Data File: /chem/C.i/Csvr.p/0110d5.b/0110q.d
Date : 24-AUG-2009 09:01
Client ID: C00822091CV
Sample Info:
Purge Volume: 200.0
Column phase: RTX-624

Instrument: C.i
Operator: njr
Column diameter: 0.32



TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/C.i/Csvr.p/cilto15.b/cil10q.d
Lab Smp Id: CA082209ICV Client Smp ID: CA082209ICV
Inj Date : 24-AUG-2009 09:01
Operator : njr Inst ID: C.i
Smp Info :
Misc Info : CA082209LCS;082309CA;1;200
Comment :
Method : /chem/C.i/Csvr.p/cilto15.b/sto15.m
Meth Date : 27-Aug-2009 10:25 jd1 Quant Type: ISTD
Cal Date : 24-AUG-2009 07:25 Cal File: cil40v.d
Als bottle: 4 QC Sample: ICV
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

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

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	CONCENTRATIONS						
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ppbv)	FINAL (ppbv)
1 Dichlorodifluoromethane	85		3.197	3.202	(0.321)	1306380	10.4958	10
2 Freon-22	51		3.234	3.240	(0.325)	792095	10.5845	11
3 1,2-Dichlorotetrafluoroethane	85		3.448	3.448	(0.347)	1395307	10.8409	11
4 Chloromethane	50		3.571	3.576	(0.359)	408730	10.1330	10
5 n-Butane	43		3.779	3.784	(0.380)	729771	9.46057	9.5
6 Vinyl Chloride	62		3.816	3.821	(0.384)	503747	10.7279	11
7 1,3-Butadiene	54		3.896	3.902	(0.392)	379535	10.9098	11
9 Bromomethane	94		4.627	4.633	(0.465)	455970	10.4048	10
10 Chloroethane	64		4.884	4.889	(0.491)	264826	10.2084	10
11 Isopentane	43		4.990	4.996	(0.502)	548612	9.83299	9.8
12 Bromoethene	106		5.305	5.310	(0.533)	461982	10.3145	10
13 Trichlorofluoromethane	101		5.428	5.433	(0.546)	1284527	10.1197	10
14 Pentane	43		5.577	5.583	(0.561)	737625	8.55096	8.6
15 Ethyl Ether	59		6.100	6.100	(0.613)	290612	9.22023	9.2
16 Acrolein	56		6.426	6.431	(0.646)	135665	8.13639	8.1

Compounds	QUANT SIG	CONCENTRATIONS					
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ppbv)
=====	=====	==	=====	=====	=====	=====	=====
17 Freon TF	101	6.506	6.511	(0.654)	1025933	11.1266	11
18 1,1-Dichloroethene	96	6.538	6.543	(0.657)	482186	10.8463	11
19 Acetone	43	6.730	6.735	(0.676)	706582	9.58605	9.6
21 Carbon Disulfide	76	6.944	6.944	(0.698)	1428416	10.1553	10
20 Isopropyl Alcohol	45	7.002	7.008	(0.704)	449984	9.84057	9.8
22 3-Chloropropene	41	7.258	7.264	(0.730)	622276	10.0920	10
23 Acetonitrile	41	7.323	7.322	(0.736)	292189	8.61929	8.6
24 Methylene Chloride	49	7.515	7.515	(0.755)	586201	9.41827	9.4
25 tert-Butyl Alcohol	59	7.723	7.728	(0.776)	677193	10.2503	10
26 Methyl tert-Butyl Ether	73	7.931	7.936	(0.797)	1343112	10.0259	10
27 trans-1,2-Dichloroethene	61	7.936	7.936	(0.798)	764828	10.0118	10
28 n-Hexane	57	8.305	8.304	(0.835)	810121	9.54182	9.5
29 1,1-Dichloroethane	63	8.678	8.683	(0.872)	974865	10.2833	10
M 40 1,2-Dichloroethene (total)	61				1310802	20.2733	20
31 cis-1,2-Dichloroethene	96	9.585	9.591	(0.964)	545974	10.2615	10
30 Methyl Ethyl Ketone	72	9.612	9.617	(0.966)	196879	9.46626	9.5 (Q)
* 32 Bromochloromethane	128	9.948	9.948	(1.000)	504744	10.0000	
33 Tetrahydrofuran	42	10.002	10.007	(0.879)	449557	9.27738	9.3
34 Chloroform	83	10.034	10.034	(1.009)	1116256	10.3692	10
35 1,1,1-Trichloroethane	97	10.295	10.295	(0.905)	1175149	10.4067	10
36 Cyclohexane	84	10.311	10.311	(0.906)	765748	10.1878	10
37 Carbon Tetrachloride	117	10.503	10.503	(0.923)	1156812	10.6896	11
38 2,2,4-Trimethylpentane	57	10.818	10.818	(0.951)	2639081	10.1052	10
39 Benzene	78	10.824	10.823	(0.951)	1647013	9.81690	9.8
41 1,2-Dichloroethane	62	10.914	10.914	(0.959)	846353	10.4632	10
42 n-Heptane	43	11.074	11.074	(0.973)	978925	9.68379	9.7
* 43 1,4-Difluorobenzene	114	11.379	11.379	(1.000)	2874064	10.0000	
44 1-Butanol	56	11.603	11.608	(1.020)	190597	10.5563	11
45 Trichloroethene	95	11.731	11.736	(1.031)	707815	10.0951	10
47 1,2-Dichloropropane	63	12.094	12.094	(1.063)	580979	9.88256	9.9
46 Methyl Methacrylate	69	12.179	12.179	(1.070)	424014	10.4277	10
48 1,4-Dioxane	88	12.259	12.254	(1.077)	169926	8.99151	9.0
49 Dibromomethane	174	12.270	12.270	(1.078)	590595	10.7108	11
50 Bromodichloromethane	83	12.451	12.451	(1.094)	1249968	11.3793	11
51 cis-1,3-Dichloropropene	75	13.081	13.081	(1.150)	928193	10.5793	11
M 70 Xylene (total)	106				2358809	29.3342	29
52 Methyl Isobutyl Ketone	43	13.262	13.268	(1.166)	958565	9.82417	9.8
54 Toluene	92	13.519	13.519	(0.874)	1175936	9.88009	9.9
53 n-Octane	43	13.540	13.540	(1.190)	1337343	10.1699	10
55 trans-1,3-Dichloropropene	75	13.866	13.866	(1.219)	885486	10.7931	11
56 1,1,2-Trichloroethane	83	14.132	14.132	(0.913)	510327	10.1754	10
57 Tetrachloroethene	166	14.282	14.282	(0.923)	930409	10.1367	10
58 Methyl Butyl Ketone	43	14.431	14.431	(0.933)	897972	10.1346	10
59 Dibromochloromethane	129	14.682	14.682	(0.949)	1086032	12.1421	12
60 1,2-Dibromoethane	107	14.885	14.885	(0.962)	937502	10.8972	11
* 61 Chlorobenzene-d5	117	15.472	15.472	(1.000)	2577111	10.0000	
62 Chlorobenzene	112	15.509	15.509	(1.002)	1465346	10.3526	10

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ppbv)	FINAL (ppbv)
=====	=====	==	=====	=====	=====	=====	=====
63 Ethylbenzene	91	15.595	15.595	(1.008)	2106899	10.1255	10
84 Nonane	57	15.648	15.648	(1.011)	1002681	9.30593	9.3
64 Xylene (m,p)	106	15.744	15.744	(1.018)	1577068	19.9832	20
65 Xylene (o)	106	16.262	16.262	(1.051)	781741	9.72176	9.7
66 Styrene	104	16.283	16.283	(1.052)	1158632	10.9803	11
67 Bromoform	173	16.555	16.555	(1.070)	910006	12.4865	12
68 Cumene	105	16.683	16.683	(1.078)	2295492	10.0689	10
69 1,1,2,2-Tetrachloroethane	83	17.078	17.078	(1.104)	1063133	9.83883	9.8
73 1,2,3-Trichloropropane	75	17.158	17.158	(1.109)	897875	10.1210	10
72 n-Propylbenzene	91	17.169	17.169	(1.110)	2634635	10.4438	10
71 n-Decane	57	17.265	17.265	(1.116)	1127677	9.58386	9.6
74 4-Ethyltoluene	105	17.297	17.297	(1.118)	2219399	10.6177	11
76 2-Chlorotoluene	91	17.324	17.324	(1.120)	2032927	10.5054	11
75 1,3,5-Trimethylbenzene	105	17.367	17.367	(1.122)	1804948	10.0715	10
77 a-Methylstyrene	118	17.628	17.628	(1.139)	869479	11.3240	11
78 Tert-Butylbenzene	119	17.735	17.735	(1.146)	1794198	9.99531	10
79 1,2,4-Trimethylbenzene	105	17.799	17.799	(1.150)	1743049	10.1233	10
80 Sec-Butylbenzene	105	17.986	17.986	(1.162)	2626580	10.3065	10
81 4-Isopropyltoluene	119	18.140	18.140	(1.172)	2232416	10.5892	11
82 1,3-Dichlorobenzene	146	18.188	18.188	(1.176)	1186922	10.1849	10
83 1,4-Dichlorobenzene	146	18.301	18.300	(1.183)	1170232	10.2522	10
86 Benzyl Chloride	91	18.445	18.445	(1.192)	1613930	11.7880	12
85 n-Undecane	57	18.626	18.626	(1.204)	1129587	9.43840	9.4
87 n-Butylbenzene	91	18.631	18.631	(1.204)	1991694	10.9868	11
88 1,2-Dichlorobenzene	146	18.765	18.759	(1.213)	1110419	10.1058	10
89 n-Dodecane	57	20.030	20.030	(1.295)	948887	12.2070	12
90 1,2,4-Trichlorobenzene	180	21.017	21.017	(1.358)	834257	11.8604	12
91 Hexachlorobutadiene	225	21.198	21.198	(1.370)	733780	10.5093	11
92 Naphthalene	128	21.471	21.471	(1.388)	2004179	13.1398	13
93 1,2,3-Trichlorobenzene	180	21.914	21.914	(1.416)	798471	12.9333	13

QC Flag Legend

Q - Qualifier signal failed the ratio test.

TestAmerica Burlington

RECOVERY REPORT

Client Name: Client SDG: cilto15
Sample Matrix: GAS Fraction: VOA
Lab Smp Id: CA082209ICV Client Smp ID: CA082209ICV
Level: LOW Operator: njr
Data Type: MS DATA SampleType: ICV
SpikeList File: all.spk Quant Type: ISTD
Sublist File: all.sub
Method File: /chem/C.i/Csvr.p/cilto15.b/sto15.m
Misc Info: CA082209LCS;082309CA;1;200

SPIKE COMPOUND	CONC ADDED ppbv	CONC RECOVERED ppbv	% RECOVERED	LIMITS
1 Dichlorodifluorome	10	10	104.96	70-130
2 Freon-22	10	11	105.84	70-130
3 1,2-Dichlorotetra	10	11	108.41	70-130
4 Chloromethane	10	10	101.33	70-130
5 n-Butane	10	9.5	94.61	70-130
6 Vinyl Chloride	10	11	107.28	70-130
7 1,3-Butadiene	10	11	109.10	70-130
9 Bromomethane	10	10	104.05	70-130
10 Chloroethane	10	10	102.08	70-130
11 Isopentane	10	9.8	98.33	70-130
12 Bromoethene	10	10	103.14	70-130
13 Trichlorofluoromet	10	10	101.20	70-130
14 Pentane	10	8.6	85.51	70-130
15 Ethyl Ether	10	9.2	92.20	70-130
16 Acrolein	10	8.1	81.36	70-130
17 Freon TF	10	11	111.27	70-130
18 1,1-Dichloroethene	10	11	108.46	70-130
19 Acetone	10	9.6	95.86	70-130
20 Isopropyl Alcohol	10	9.8	98.41	70-130
21 Carbon Disulfide	10	10	101.55	70-130
22 3-Chloropropene	10	10	100.92	70-130
23 Acetonitrile	10	8.6	86.19	70-130
24 Methylene Chloride	10	9.4	94.18	70-130
25 tert-Butyl Alcohol	10	10	102.50	70-130
26 Methyl tert-Butyl	10	10	100.26	70-130
27 trans-1,2-Dichloro	10	10	100.12	70-130
28 n-Hexane	10	9.5	95.42	70-130
29 1,1-Dichloroethane	10	10	102.83	70-130
30 Methyl Ethyl Keton	10	9.5	94.66	70-130
31 cis-1,2-Dichloroet	10	10	102.61	70-130
33 Tetrahydrofuran	10	9.3	92.77	70-130
34 Chloroform	10	10	103.69	70-130
35 1,1,1-Trichloroeth	10	10	104.07	70-130

SPIKE COMPOUND	CONC ADDED ppbv	CONC RECOVERED ppbv	% RECOVERED	LIMITS
36 Cyclohexane	10	10	101.88	70-130
37 Carbon Tetrachlori	10	11	106.90	70-130
38 2,2,4-Trimethylpen	10	10	101.05	70-130
39 Benzene	10	9.8	98.17	70-130
M 40 1,2-Dichloroethene	20	20	100.00	70-130
41 1,2-Dichloroethane	10	10	104.63	70-130
42 n-Heptane	10	9.7	96.84	70-130
44 1-Butanol	10	11	105.56	70-130
45 Trichloroethene	10	10	100.95	70-130
46 Methyl Methacrylat	10	10	104.28	70-130
47 1,2-Dichloropropan	10	9.9	98.83	70-130
48 1,4-Dioxane	10	9.0	89.92	70-130
49 Dibromomethane	10	11	107.11	70-130
50 Bromodichlorometha	10	11	113.79	70-130
51 cis-1,3-Dichloropr	10	11	105.79	70-130
52 Methyl Isobutyl Ke	10	9.8	98.24	70-130
53 n-Octane	10	10	101.70	70-130
54 Toluene	10	9.9	98.80	70-130
55 trans-1,3-Dichloro	10	11	107.93	70-130
56 1,1,2-Trichloroeth	10	10	101.75	70-130
57 Tetrachloroethene	10	10	101.37	70-130
58 Methyl Butyl Keton	10	10	101.35	70-130
59 Dibromochlorometha	10	12	121.42	70-130
60 1,2-Dibromoethane	10	11	108.97	70-130
62 Chlorobenzene	10	10	103.53	70-130
63 Ethylbenzene	10	10	101.26	70-130
64 Xylene (m,p)	20	20	99.92	70-130
65 Xylene (o)	10	9.7	97.22	70-130
66 Styrene	10	11	109.80	70-130
67 Bromoform	10	12	124.86	70-130
68 Cumene	10	10	100.69	70-130
69 1,1,2,2-Tetrachlor	10	9.8	98.39	70-130
M 70 Xylene (total)	30	29	97.78	70-130
71 n-Decane	10	9.6	95.84	70-130
72 n-Propylbenzene	10	10	104.44	70-130
73 1,2,3-Trichloropro	10	10	101.21	70-130
74 4-Ethyltoluene	10	11	106.18	70-130
75 1,3,5-Trimethylben	10	10	100.72	70-130
76 2-Chlorotoluene	10	11	105.05	70-130
77 a-Methylstyrene	10	11	113.24	70-130
78 Tert-Butylbenzene	10	10	99.95	70-130
79 1,2,4-Trimethylben	10	10	101.23	70-130
80 Sec-Butylbenzene	10	10	103.07	70-130
81 4-Isopropyltoluene	10	11	105.89	70-130
82 1,3-Dichlorobenzen	10	10	101.85	70-130
83 1,4-Dichlorobenzen	10	10	102.52	70-130
84 Nonane	10	9.3	93.06	70-130

SPIKE COMPOUND	CONC ADDED ppbv	CONC RECOVERED ppbv	% RECOVERED	LIMITS
85 n-Undecane	10	9.4	94.38	70-130
86 Benzyl Chloride	10	12	117.88	70-130
87 n-Butylbenzene	10	11	109.87	70-130
88 1,2-Dichlorobenzen	10	10	101.06	70-130
89 n-Dodecane	10	12	122.07	70-130
90 1,2,4-Trichloroben	10	12	118.60	70-130
91 Hexachlorobutadien	10	11	105.09	70-130
92 Naphthalene	10	13	131.40*	70-130
93 1,2,3-Trichloroben	10	13	129.33	70-130

FORM 7
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: TESTAMERICA BURLINGTON Contract: 29000
 Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: NY133428
 Instrument ID: C Calibration Date: 09/08/09 Time: 1347
 Lab File ID: CIL10NV2 Init. Calib. Date(s): 08/24/09 08/24/09
 Heated Purge: (Y/N) N Init. Calib. Times: 0234 0725
 GC Column: RTX-624 ID: 0.32 (mm)

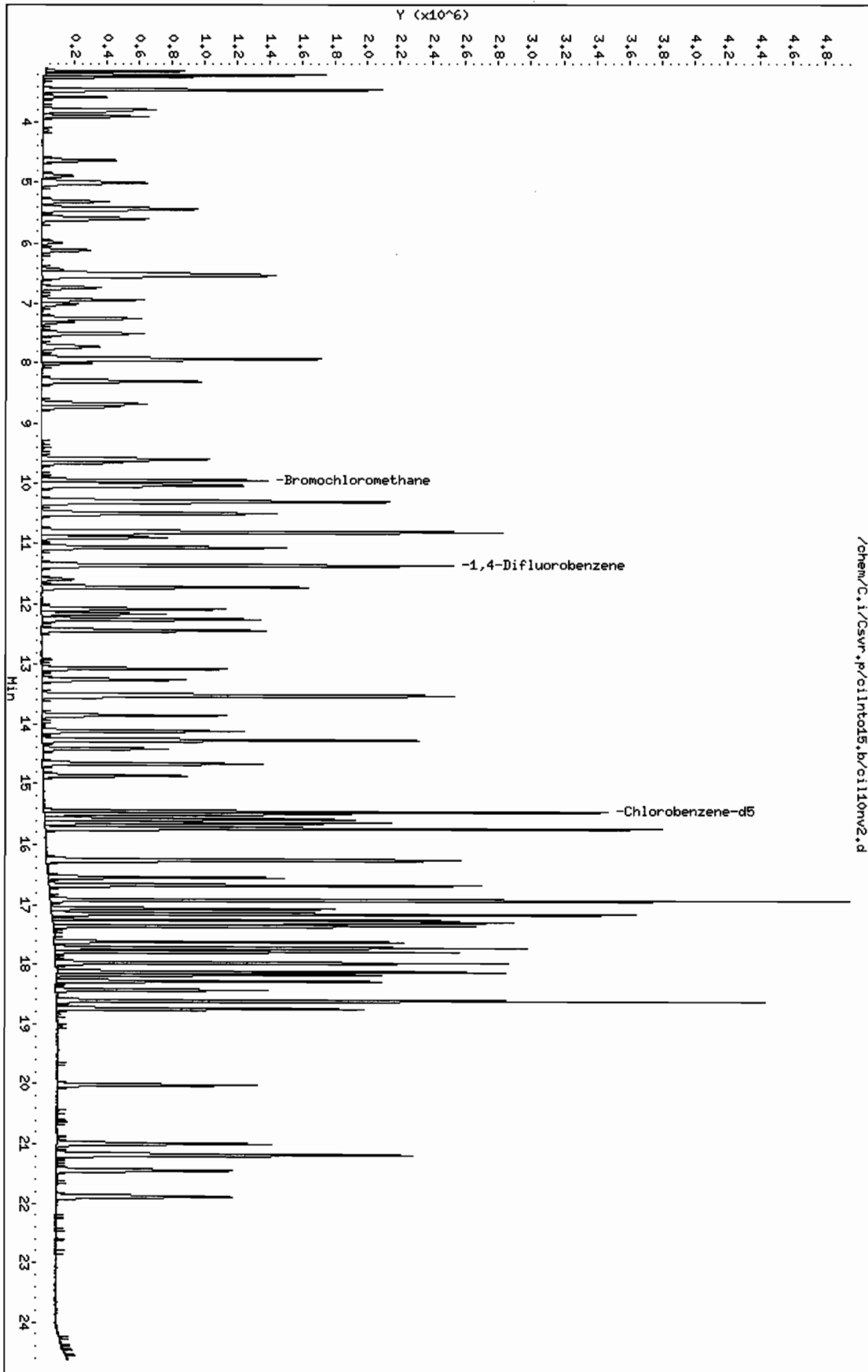
COMPOUND	RRF	RRF10	MIN RRF	%D	MAX %D
Vinyl Chloride	0.930	0.953	0.01	2.5	30.0
1,1-Dichloroethene	0.881	0.822	0.01	6.7	30.0
trans-1,2-Dichloroethene	1.514	1.451	0.01	4.2	30.0
cis-1,2-Dichloroethene	1.054	0.996	0.01	5.5	30.0
1,2-Dichloroethene (total)	1.284	1.224	0.01	4.7	30.0
Trichloroethene	0.244	0.256	0.01	4.9	30.0
Tetrachloroethene	0.356	0.411	0.01	15.4	30.0

FORM VII VOA

Data File: /chem/C.i/Csvr.p/cilnt015.b/cil10nv2.d
Date : 08-SEP-2009 13:47
Client ID: ASTD010
Sample Info:
Purge Volume: 200.0
Column Phase: RTX-624

Instrument: C.i
Operator: wrd
Column diameter: 0.32

Page 2



TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/C.i/Csvr.p/cilnto15.b/cil10nv2.d
Lab Smp Id: ASTD010 Client Smp ID: ASTD010
Inj Date : 08-SEP-2009 13:47
Operator : wrd Inst ID: C.i
Smp Info :
Misc Info : ASTD010;090809CA;1;200
Comment :
Method : /chem/C.i/Csvr.p/cilnto15.b/sto15.m
Meth Date : 15-Sep-2009 14:15 klp Quant Type: ISTD
Cal Date : 24-AUG-2009 07:25 Cal File: cil40v.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ROUX1_OCEAN.sub
Target Version: 3.50
Processing Host: chemsvr6

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

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

Cpnd Variable

Local Compound Variable

Compounds	QUANT SIG	AMOUNTS					
		CAL-AMT	ON-COL				
	MASS	RT	EXP RT	REL RT	RESPONSE	(ppbv)	(ppbv)
=====	====	==	=====	=====	=====	=====	=====
6 Vinyl Chloride	62	3.821	3.821	(0.384)	442133	10.0000	10
18 1,1-Dichloroethene	96	6.543	6.543	(0.658)	381545	10.0000	9.3
27 trans-1,2-Dichloroethene	61	7.936	7.936	(0.798)	673453	10.0000	9.6
31 cis-1,2-Dichloroethene	96	9.580	9.591	(0.964)	462234	10.0000	9.4
* 32 Bromochloromethane	128	9.943	9.948	(1.000)	464045	10.0000	(Q)
M 40 1,2-Dichloroethene (total)	61				1135687	20.0000	19
* 43 1,4-Difluorobenzene	114	11.368	11.379	(1.000)	2483079	10.0000	
45 Trichloroethene	95	11.725	11.736	(1.031)	636977	10.0000	11
57 Tetrachloroethene	166	14.271	14.282	(0.923)	913842	10.0000	12
* 61 Chlorobenzene-d5	117	15.456	15.472	(1.000)	2221809	10.0000	

QC Flag Legend

Q - Qualifier signal failed the ratio test.



Raw QC Data – TO-15 Volatile

Data File: /chem/C.i/Csvr.p/cilto15,b/cil01pv.d

Page 2

Date : 23-AUG-2009 23:05

Client ID: VBFB

Instrument: C.i

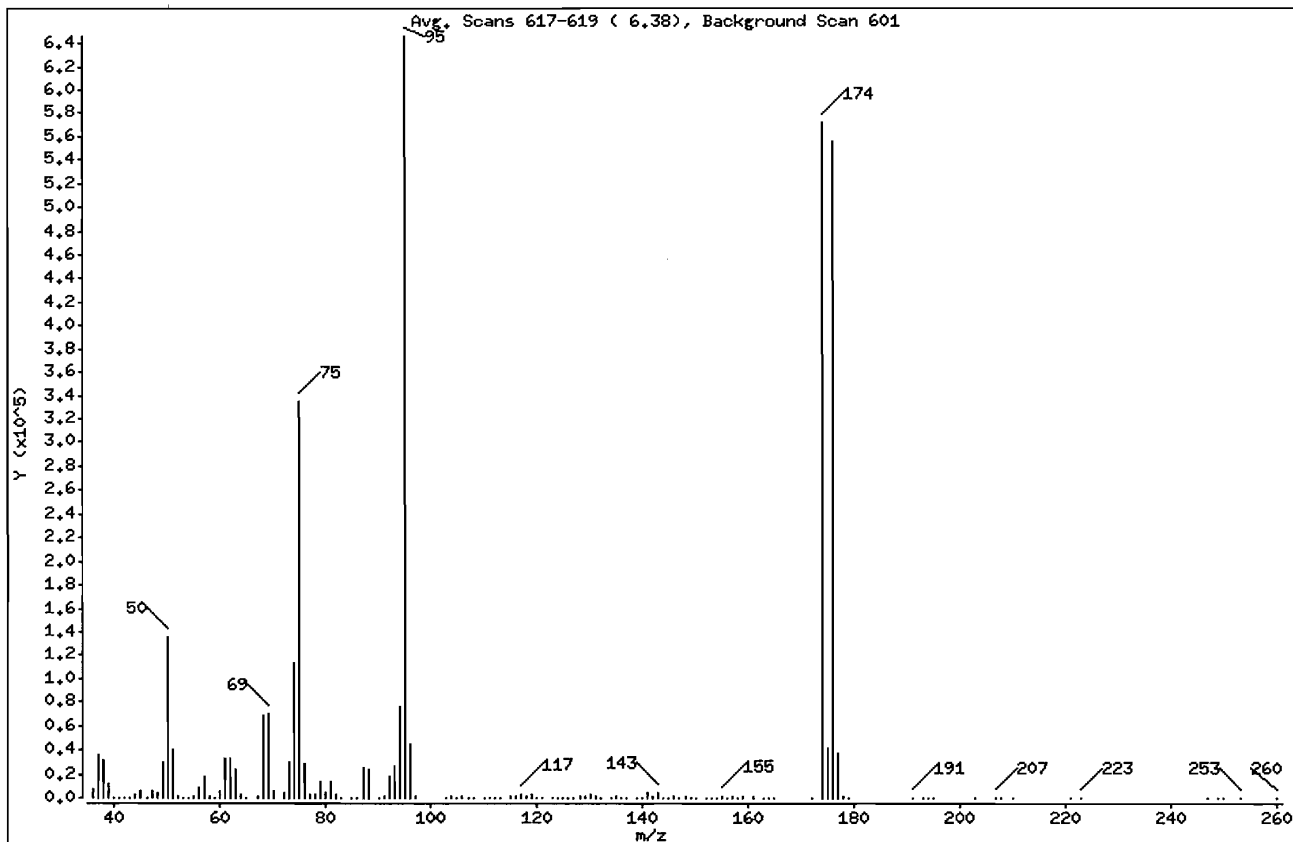
Sample Info: VBFB

Operator: njr

Column phase: RTX-624

Column diameter: 0.32

\$ 1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	21.07
75	30.00 - 66.00% of mass 95	51.93
96	5.00 - 9.00% of mass 95	6.86
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 120.00% of mass 95	88.59
175	4.00 - 9.00% of mass 174	6.46 (7.29)
176	93.00 - 101.00% of mass 174	86.05 (97.14)
177	5.00 - 9.00% of mass 176	5.68 (6.60)

Data File: /chem/C.i/Csvr.p/cilto15.b/cil01pv.d

Page 3

Date : 23-AUG-2009 23:05

Client ID: VBFB

Instrument: C.i

Sample Info: VBFB

Operator: njr

Column phase: RTX-624

Column diameter: 0.32

Data File: cil01pv.d

Spectrum: Avg. Scans 617-619 (6.38), Background Scan 601

Location of Maximum: 95.00

Number of points: 135

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	6784	72.00	3888	115.00	806	153.00	428
37.00	35248	73.00	29840	116.00	2133	154.00	368
38.00	31168	74.00	113632	117.00	3036	155.00	1725
39.00	11238	75.00	335488	118.00	1833	156.00	531
40.00	468	76.00	28968	119.00	2625	157.00	1313
41.00	86	77.00	3321	120.00	82	158.00	276
42.00	6	78.00	2387	121.00	68	159.00	765
43.00	176	79.00	13302	123.00	147	161.00	889
44.00	3615	80.00	4746	124.00	222	163.00	5
45.00	5721	81.00	13704	125.00	351	164.00	124
46.00	460	82.00	3518	126.00	345	165.00	183
47.00	6458	83.00	332	127.00	234	172.00	162
48.00	4377	85.00	143	128.00	2148	174.00	572288
49.00	29328	86.00	691	129.00	1175	175.00	41736
50.00	136128	87.00	24640	130.00	2308	176.00	555968
51.00	40888	88.00	23680	131.00	922	177.00	36664
52.00	2044	90.00	71	132.00	84	178.00	1113
53.00	207	91.00	2110	134.00	487	179.00	77
54.00	68	92.00	17920	135.00	1306	191.00	248
55.00	1790	93.00	26608	136.00	43	193.00	140
56.00	9639	94.00	75936	137.00	704	194.00	88
57.00	17864	95.00	646080	139.00	194	195.00	6
58.00	880	96.00	44288	140.00	416	203.00	67
59.00	39	97.00	1637	141.00	4982	207.00	674
60.00	6648	103.00	609	142.00	793	208.00	109
61.00	32464	104.00	2208	143.00	5061	210.00	112
62.00	32480	105.00	697	144.00	305	221.00	145
63.00	24176	106.00	2232	145.00	206	223.00	152
64.00	2277	107.00	624	146.00	946	247.00	78
65.00	281	108.00	82	147.00	522	249.00	40
67.00	2002	110.00	284	148.00	1574	250.00	96
68.00	68248	111.00	351	149.00	688	253.00	302
69.00	69896	112.00	343	150.00	722	260.00	296
70.00	5759	113.00	311	152.00	341		

Data File: /chem/C.i/Csvr.p/cilto15.b/cil01pv.d

Page 1

Date : 23-AUG-2009 23:05

Client ID: VBFB

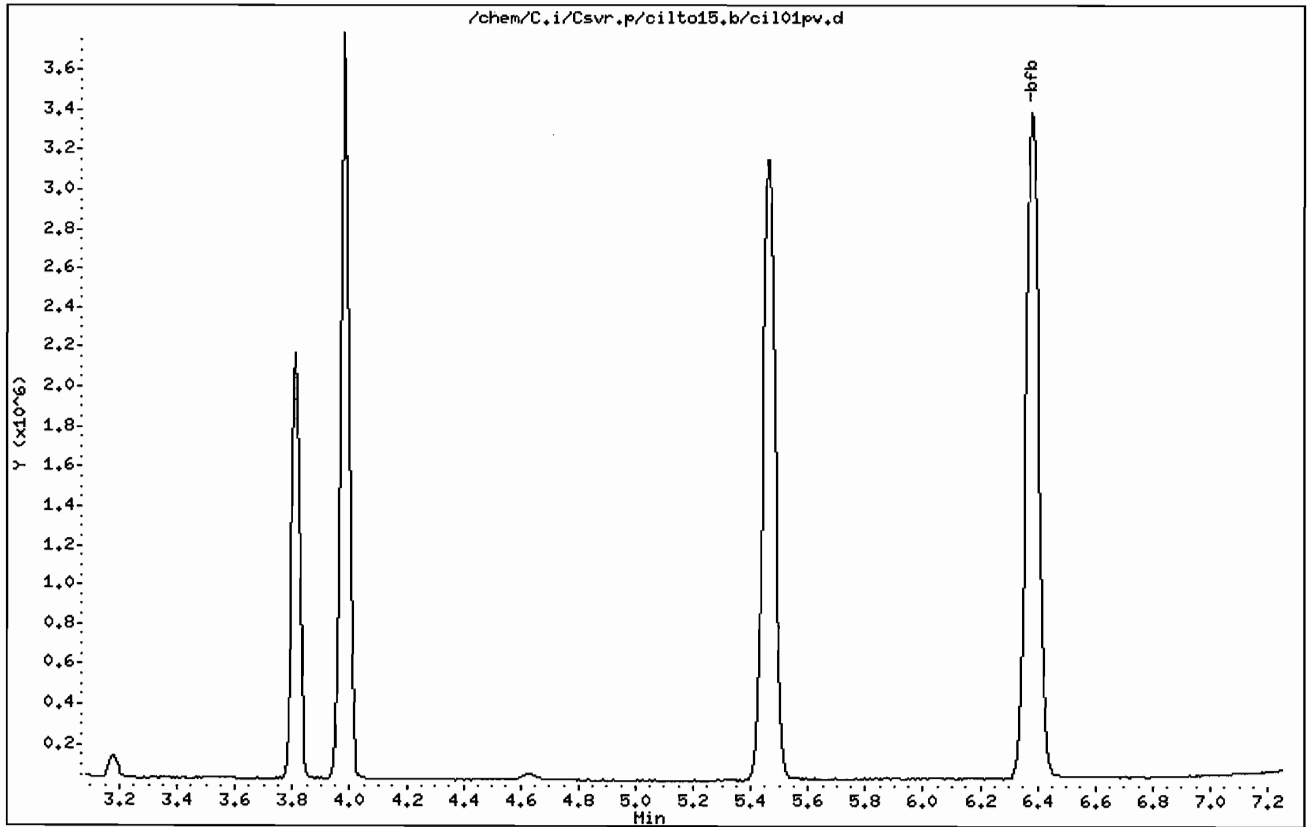
Instrument: C.i

Sample Info: VBFB

Operator: njr

Column phase: RTX-624

Column diameter: 0.32



Data File: /chem/C.i/Csvr.p/cilnto15.b/cil16pv.d

Page 3

Date : 08-SEP-2009 11:20

Client ID: VBFB

Instrument: C.i

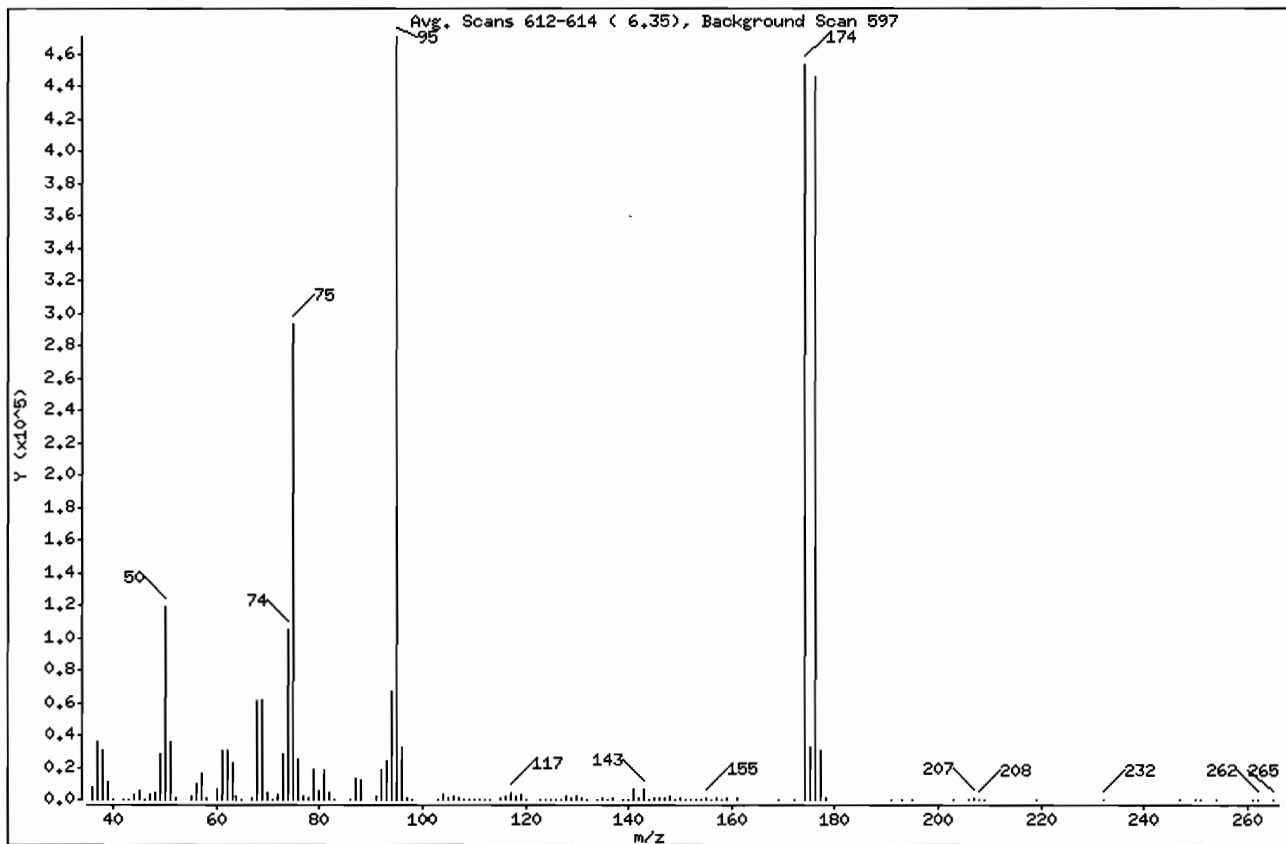
Sample Info: VBFB

Operator: wrd

Column phase: RTX-624

Column diameter: 0.32

† 1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	25.37
75	30.00 - 66.00% of mass 95	62.21
96	5.00 - 9.00% of mass 95	6.97
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 120.00% of mass 95	96.33
175	4.00 - 9.00% of mass 174	7.01 (7.28)
176	93.00 - 101.00% of mass 174	94.67 (98.28)
177	5.00 - 9.00% of mass 176	6.35 (6.71)

Data File: /chem/C.i/Csvr.p/cilnto15.b/cil16pv.d

Page 4

Date : 08-SEP-2009 11:20

Client ID: VBFB

Instrument: C.i

Sample Info: VBFB

Operator: wrd

Column phase: RTX-624

Column diameter: 0.32

Data File: cil16pv.d

Spectrum: Avg. Scans 612-614 (6.35), Background Scan 597

Location of Maximum: 95.00

Number of points: 131

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	7489	74.00	104984	116.00	2302	153.00	463
37.00	35232	75.00	292480	117.00	3891	154.00	393
38.00	29840	76.00	24984	118.00	2336	155.00	1460
39.00	10480	77.00	2424	119.00	2995	156.00	482
40.00	209	78.00	1455	120.00	67	157.00	1037
42.00	93	79.00	18000	123.00	182	158.00	95
43.00	509	80.00	5448	124.00	389	159.00	897
44.00	3349	81.00	18264	125.00	396	161.00	1058
45.00	5298	82.00	4697	126.00	338	169.00	81
46.00	273	83.00	478	127.00	285	172.00	137
47.00	3673	86.00	89	128.00	2250	174.00	452992
48.00	4154	87.00	12914	129.00	1145	175.00	32952
49.00	28496	88.00	11761	130.00	2119	176.00	445184
50.00	119320	91.00	1873	131.00	848	177.00	29864
51.00	35736	92.00	18280	132.00	71	178.00	866
52.00	1498	93.00	24128	134.00	88	191.00	86
55.00	1992	94.00	67456	135.00	1279	193.00	1
56.00	9640	95.00	470272	136.00	385	195.00	116
57.00	16504	96.00	32784	137.00	1044	203.00	67
58.00	607	97.00	1046	139.00	201	206.00	222
60.00	6533	98.00	68	140.00	326	207.00	756
61.00	30624	103.00	521	141.00	6908	208.00	115
62.00	30568	104.00	2772	142.00	774	209.00	71
63.00	23120	105.00	1004	143.00	6969	219.00	38
64.00	1972	106.00	2382	144.00	489	232.00	161
65.00	158	107.00	639	145.00	686	247.00	75
67.00	1456	108.00	68	146.00	940	250.00	149
68.00	60632	109.00	81	147.00	558	251.00	190
69.00	61160	110.00	366	148.00	1693	254.00	82
70.00	4464	111.00	496	149.00	208	261.00	103
71.00	196	112.00	482	150.00	619	262.00	289
72.00	3487	113.00	476	151.00	80	265.00	91
73.00	28096	115.00	634	152.00	375		

Data File: /chem/C.i/Csvr.p/cilnto15.b/cil16pv.d

Page 2

Date : 08-SEP-2009 11:20

Client ID: VBFB

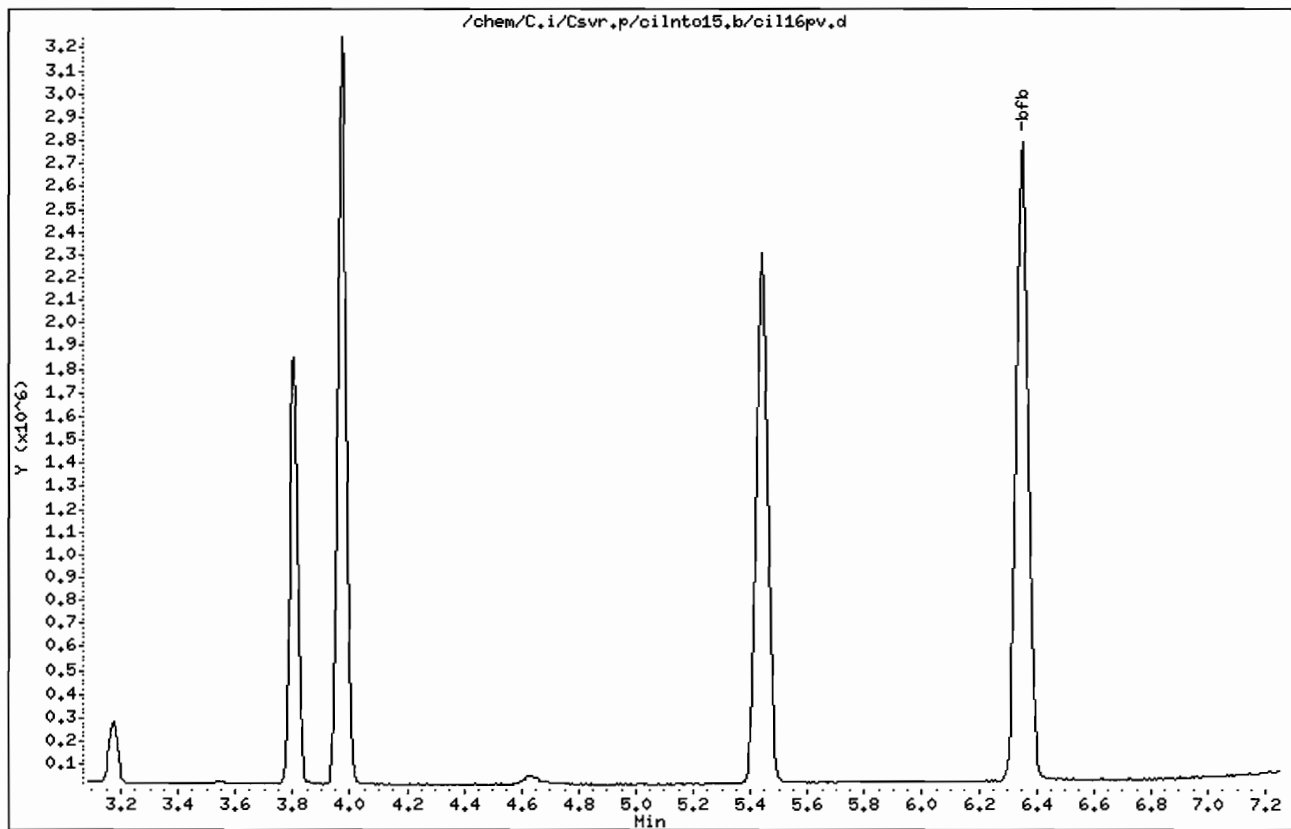
Instrument: C.i

Sample Info: VBFB

Operator: wrd

Column phase: RTX-624

Column diameter: 0.32



FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MBLK090809CA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: NY133428

Matrix: (soil/water) AIR Lab Sample ID: MBLK090809CA

Sample wt/vol: 250.0 (g/mL) ML Lab File ID: CILB02N

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 09/09/09

GC Column: RTX-624 ID: 0.32 (mm) Dilution Factor: 0.8

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

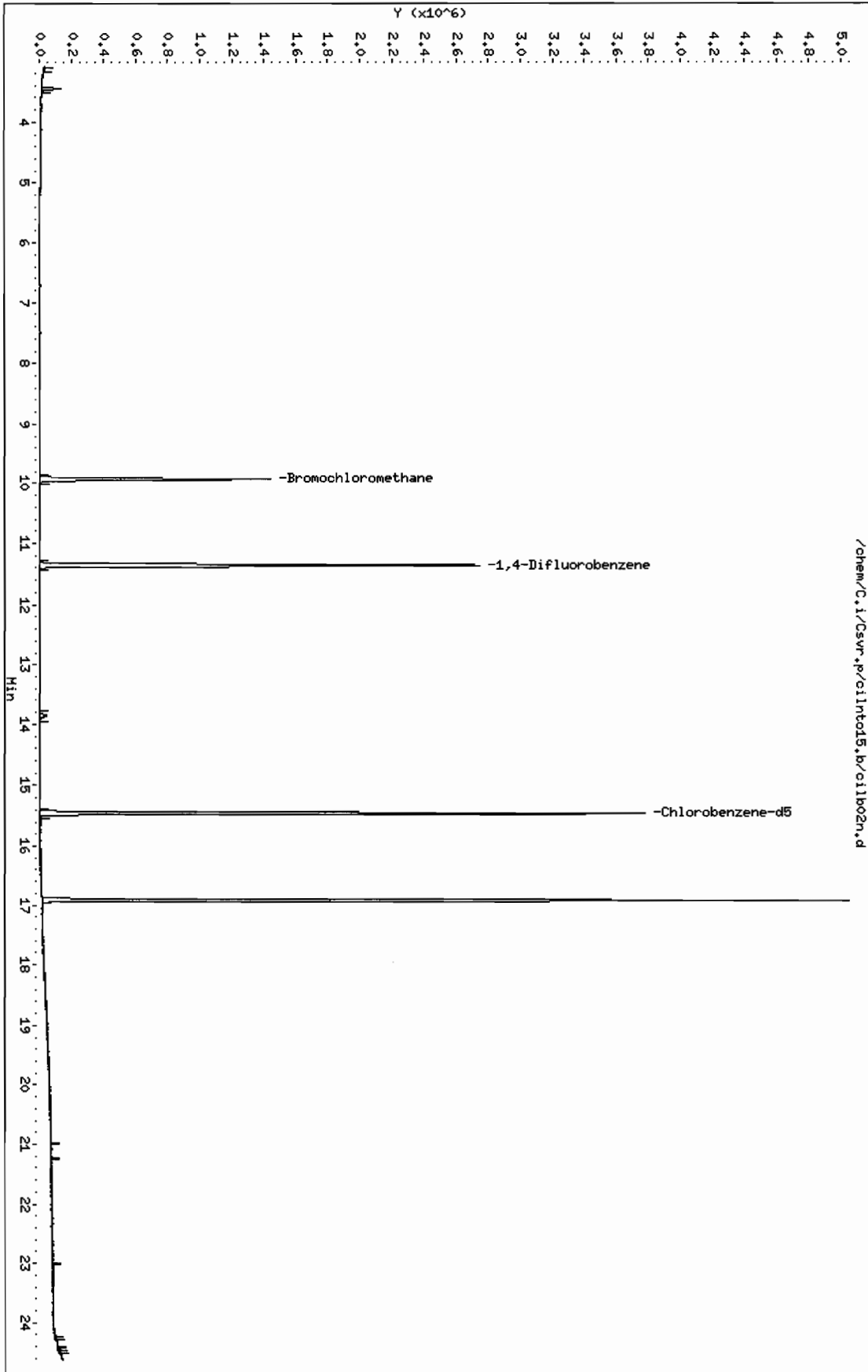
CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) PPBV		Q
75-01-4-----	Vinyl Chloride	0.16	U	
75-35-4-----	1,1-Dichloroethene	0.16	U	
156-60-5-----	trans-1,2-Dichloroethene	0.16	U	
156-59-2-----	cis-1,2-Dichloroethene	0.16	U	
540-59-0-----	1,2-Dichloroethene (total)	0.16	U	
79-01-6-----	Trichloroethene	0.16	U	
127-18-4-----	Tetrachloroethene	0.16	U	

FORM I VOA

Data File: /chem/C.i/Csvr.p/cilintol5.b/cilb02n.d
Date : 09-SEP-2009 08:58
Client ID: HBLK090809CA
Sample Info:
Purge Volume: 250.0
Column phase: RTX-624

Instrument: C.i
Operator: wrd
Column diameter: 0.32

Page 2



Data File: /chem/C.i/Csvr.p/cilnto15.b/cilb02n.d
Report Date: 15-Sep-2009 14:21

Page 1

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/C.i/Csvr.p/cilnto15.b/cilb02n.d
Lab Smp Id: MBLK090809CA Client Smp ID: MBLK090809CA
Inj Date : 09-SEP-2009 08:58
Operator : wrd Inst ID: C.i
Smp Info :
Misc Info : MBLK090809CA;090809CA;.8;250
Comment :
Method : /chem/C.i/Csvr.p/cilnto15.b/sto15.m
Meth Date : 15-Sep-2009 14:15 klp Quant Type: ISTD
Cal Date : 24-AUG-2009 07:25 Cal File: cil40v.d
Als bottle: 3 QC Sample: BLANK
Dil Factor: 0.80000
Integrator: HP RTE Compound Sublist: ROUX1_OCEAN.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	0.80000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	250.00000	Sample Volume purged (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ppbv)	FINAL (ppbv)
6 Vinyl Chloride	62						
18 1,1-Dichloroethene	96						
27 trans-1,2-Dichloroethene	61						
31 cis-1,2-Dichloroethene	96						
* 32 Bromochloromethane	128	9.927	9.948	(1.000)	484439	10.0000	(Q)
M 40 1,2-Dichloroethene (total)	61						
* 43 1,4-Difluorobenzene	114	11.357	11.379	(1.000)	2701133	10.0000	
45 Trichloroethene	95						
57 Tetrachloroethene	166						
* 61 Chlorobenzene-d5	117	15.451	15.472	(1.000)	2467541	10.0000	

QC Flag Legend

Q - Qualifier signal failed the ratio test.

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

CA090809LCS

Lab Name: TESTAMERICA BURLINGTON

Contract: 29000

Lab Code: STLV

Case No.: 29000

SAS No.:

SDG No.: NY133428

Matrix: (soil/water) AIR

Lab Sample ID: CA090809LCS

Sample wt/vol: 200.0 (g/mL) ML

Lab File ID: CIL10NQ2

Level: (low/med) LOW

Date Received: _____

% Moisture: not dec. _____

Date Analyzed: 09/08/09

GC Column: RTX-624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) PPBV Q

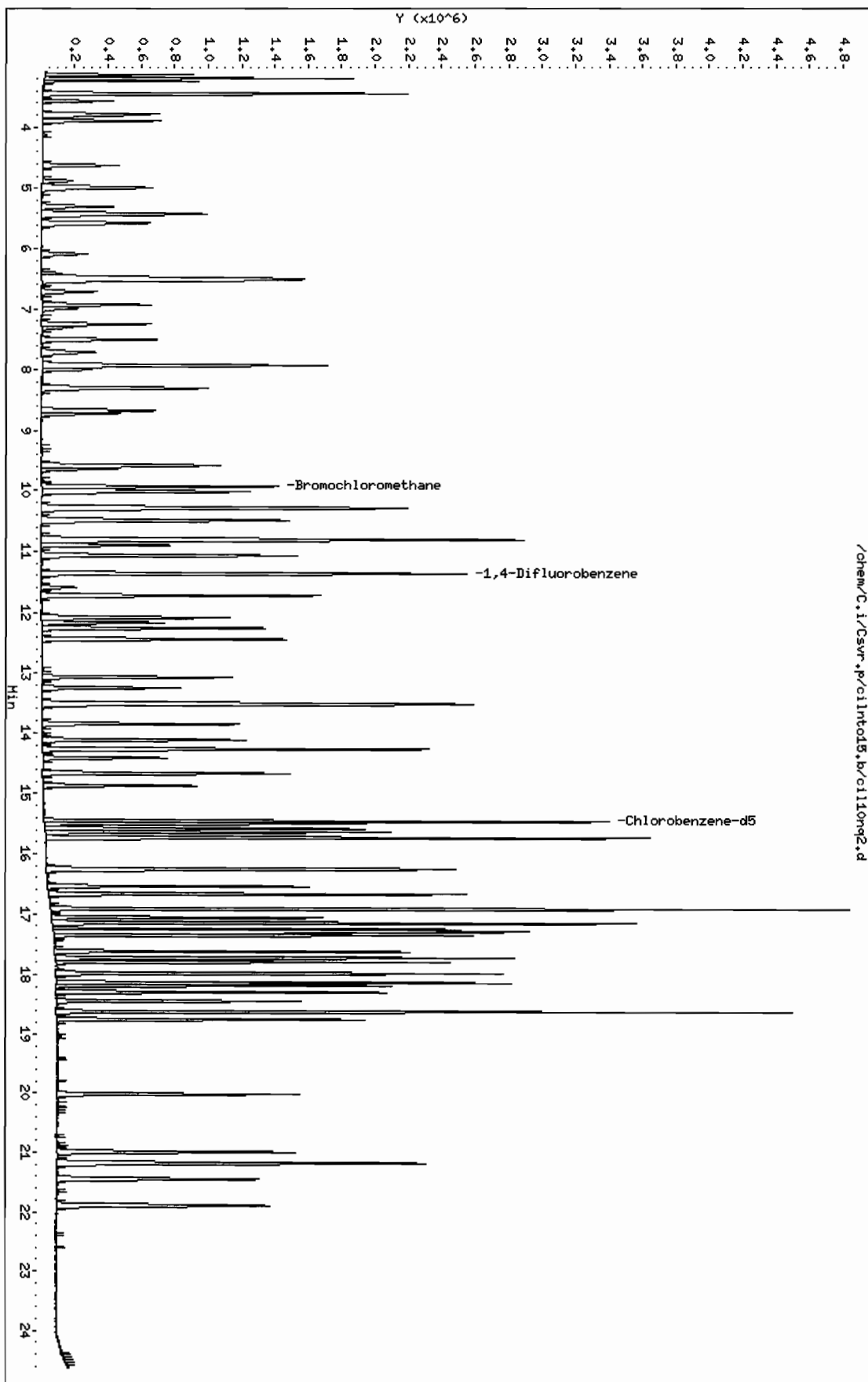
75-01-4-----	Vinyl Chloride	10	
75-35-4-----	1,1-Dichloroethene	11	
156-60-5-----	trans-1,2-Dichloroethene	9.7	
156-59-2-----	cis-1,2-Dichloroethene	9.8	
540-59-0-----	1,2-Dichloroethene (total)	20	
79-01-6-----	Trichloroethene	11	
127-18-4-----	Tetrachloroethene	12	

FORM I VOA

Data File: /chem/C.i/Cswr.p/cilntol5.b/cil1lonq2.d
Date: 08-SEP-2009 14:35
Client ID: C0090809LCS
Sample Info:
Purge Volume: 200.0
Column phase: RTX-624

Instrument: C.i
Operator: urd
Column diameter: 0.32

Page 2



TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/C.i/Csvr.p/cilnto15.b/cil10nq2.d
Lab Smp Id: CA090809LCS Client Smp ID: CA090809LCS
Inj Date : 08-SEP-2009 14:35
Operator : wrd Inst ID: C.i
Smp Info :
Misc Info : CA090809LCS;090809CA;1;200
Comment :
Method : /chem/C.i/Csvr.p/cilnto15.b/sto15.m
Meth Date : 15-Sep-2009 14:15 klp Quant Type: ISTD
Cal Date : 24-AUG-2009 07:25 Cal File: cil40v.d
Als bottle: 2 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ROUX1_OCEAN.sub
Target Version: 3.50
Processing Host: chemsvr6

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

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

Cpnd Variable

Local Compound Variable

Compounds	QUANT SIG	CONCENTRATIONS						
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ppbv)	FINAL (ppbv)
6 Vinyl Chloride	62		3.811	3.821	(0.384)	452590	10.3804	10
18 1,1-Dichloroethene	96		6.533	6.543	(0.658)	437636	10.6020	11
27 trans-1,2-Dichloroethene	61		7.926	7.936	(0.798)	685532	9.66457	9.7
31 cis-1,2-Dichloroethene	96		9.575	9.591	(0.964)	485988	9.83718	9.8
* 32 Bromochloromethane	128		9.932	9.948	(1.000)	468667	10.0000	(Q)
M 40 1,2-Dichloroethene (total)	61					1171520	19.5017	20
* 43 1,4-Difluorobenzene	114		11.363	11.379	(1.000)	2472723	10.0000	
45 Trichloroethene	95		11.720	11.736	(1.031)	639411	10.5996	11
57 Tetrachloroethene	166		14.266	14.282	(0.923)	897843	11.7157	12
* 61 Chlorobenzene-d5	117		15.456	15.472	(1.000)	2151733	10.0000	

QC Flag Legend

Q - Qualifier signal failed the ratio test.



Sample Preparation – TO-15 Volatile

TestAmerica Burlington - Manual Integration Summary
SDG: ciltols Fraction: Volatile

==== Instrument C - No Manual Integrations =====

JFD 08/27/09

TestAmerica Burlington - Manual Integration Summary
SDG: NY133428 Fraction: Volatile

==== Instrument C - No Manual Integrations ===== KLP 09/15/09

ROUX1	NY133428	133420	9-5-09	150S	29.8	21	G4	JL
						CS	FC	Comments
(1) Is a Field Test Data Sheet (FTDS) or similar sampling documentation present?						✓		
(2) Is the flow controller ID used for each canister recorded?						✓		
(3) Is visible sign of damage to canister and/or flow controller (FC) present?							✓	
If damage observed, list equipment IDs and describe condition:								

¹ Criteria: Return Pressure should be between -1 and -10 ("Hg)
² If return pressure is not within criteria, initiate anomaly report.
³ Record the ID of the FC used for sampling if information is provided, otherwise leave blank.

GC/MS INSTRUMENT RUN LOG

Sequence		Standard Traceability				Instrument Information	
Batch ID:	CAL	Start Date:	08/23/09	Time:	23:05	STD Lot #:	AT-02-012-03
Test Method:	T015/103/1015	End Date:	08/24/09	Time:	23:05	CAL STD Lot #:	see comment
ICAL Date:	08/23/09					ICV/LCS Lot #:	AT-072919-17
Manager		Analyst		Analyst		Analyst	
Name/Initial		Analyst		Analyst		Analyst	
Signature		Analyst		Analyst		Analyst	
Individual Sample Review							
Injection Time	Lab ID / File Name	Summa Can ID	ETR	Dilution Factor	Inlet #	Volume (mL)	Operator
2305	CIL018V	BFFNA	DFB	NA	1	200	NJL
0010	CIL001	4633	NA		1		
0058	CIL002				1		
0146	CIL003				1		
0234	CIL002V	2680	Revol 1		2		
0322	CIL005V	3640	Revol 2		3		
0410	CIL005V	3332	Revol 3/4		4		
0500	CIL10V	4428	Revol 4/5		5		
0548	CIL15V	3147	Revol 5/6		6		
0637	CIL20V	3564	Revol 6/7		7		
0725	CIL40V	3768	Revol 7/8		8		
0813	CIL80V	4633	NA		1		
0901	CIL10Q	6526	PCV		9		
0948	CILB05	4633	MLK		1	200	WRD
1042	CIL002Q	2680	0.2RLLG		2		
1130	CIL005Q	3640	0.5RLLG		3		
1217	CIL05Q	3332	5.0RLLG		4		
1305	80353002	4853	13085	1.50	10	40	
1353	80354002	3691		62.5	11	80	
1442	80355402	2984		201	12	40	
1530	80355502	4844		667	13	30	
1643	CIL10V2	4428	CCV2	N/A	5	200	WRD
Legend: C=Complete R=Reanalyze = High = Low = Reviewed and Acceptable							

BR-FAI020:05:23:08:4

TestAmerica

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GC/MS INSTRUMENT RUN LOG

Sequence		Standard Traceability				Instrument Information					
Batch ID:	Start Date:	Time:	ISTD Lot #:	Instrument ID:	Instrument ID:	Instrument ID:					
Test Method:	End Date:	Time:	CAL STD Lot #:	Instrument ID:	Instrument ID:	Instrument ID:					
ICAL Date:			ICV/LCS Lot #:	Column Type:	Column Type:	Column Type:					
C1L1N	9/8/09	12:00	AT-02-012-03	Instrument ID: C	Instrument ID: C	Instrument ID: C					
7015	9/9/09	12:00	AT-08 R-09 01	Instrument ID: 5973	Instrument ID: 5973	Instrument ID: 5973					
8/23/09			AT-07-2909-01	Column Type: RTX-624	Column Type: RTX-624	Column Type: RTX-624					
Manager	Analyst	Analyst	Analyst	Analyst	Analyst	Analyst					
Sequence Information		Individual Sample Review									
Injection Time	Lab ID / File Name	Summa Can ID	ETR	Dilution Factor	Inlet #	Volume (mL)	Operator	Internal Std.	Result Conc.	Primary Anal.	Comments / Standard Traceability
120	C1L16PV	4338	1A	1A	1	200	WNO		↑	WNO	
1210	C1L10NV	3040	1A		2						
1259	C1L10NV	3040	1A		1						
1347	C1L10NV	3535	1A		2						AG
1435	C1L10NV	3040	1A		3						AG74
1708	C1L10NV	4634	1A		7	25					CDF 300 C
1756	8047210	3824	133280	40	8	200					C
1844	805667	3520	133424	1	9						C
1933	805668	4008	1		10						C
2021	805669	4324	1		11	200					C
2110	805611	3644	133444	1	12	200					C
2159	805636	3396	133420	1	13						CE 130
2247	805637	3320	1		14						12 250
2335	805638	4917	1		15						CE 28
2426	3636			0.2	16	100					
0117	2681			0.2	17	100					
0208	3795			0.2	18	100					
0858	C1L10NV	4634		0.8	19	100	WNO				
0945	805637	3320	133420	0.8	20	250					C
1033	805638	3396	1	5	21	40					C
1117	805638	4917	1	25	22	80					C

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



Sample Handling

ORIGIN ID: WLMA (631) 232-2600
MARGOT
ROUX ASSOCIATES
209 SHAFTER STREET

ISLANDIA, NY 11749
UNITED STATES US

Ship Date: 03SEP09
Actwt: 36.3 LB
System#: 0687577/CAFE2361
Account: S *****

TO MR. RON PENKOWSKI
TEST AMERICA LABS
30 COMMUNITY DRIVE SUITE 11

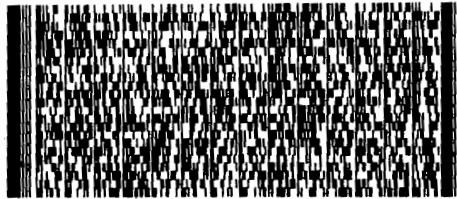
(802) 560-1990

FedEx
Express



SOUTH BURLINGTON, VT 05403

Ref: 1802001y collins
Dept: BILLABLE



Delivery Address
Barcode

BILL SENDER

PRIORITY OVERNIGHT

FRI

Deliver By:
04SEP09

TRK# 9574 9185 7490 Form 0201

BTVA
AA

05403 -VT-US

ZF BTVA



PRIORITY OVERNIGHT

FRI

Deliver By:
04SEP09

TRK# 9574 9185 7489 Form 0201

BTVA
AA

05403 -VT-US

ZF BTVA



Client: ROUX	Date Received: 9/16/09	Log In Date: 9/05/09
ETR: 133420	Time Received: 1025	By: VP
SDG: NY133420	Received By: CK	Signature: <i>[Signature]</i>
Project: 29000	# Coolers Received: 2 Boxes	PM Signature: <i>[Signature]</i>
Samples Delivered By: ☒ Shipping Service ☐ Courier ☐ Hand ☐ Other (specify)		Date: 9/16/09
List Air Bill Number(s) or Attach a photocopy of the Air Bill:		

Thermal Preservation Type: ☐ Wet Ice ☐ Blue Ice ☒ None ☐ Other (specify)					
IR Gun ID: 96		Correction Factor (CF) = 0 °C			
Cooler 1: °C	Cooler 6 °C	Cooler 11 °C	Cooler 16 °C		
Cooler 2: °C	Cooler 7 °C	Cooler 12 °C	Cooler 17 °C		
Cooler 3: °C	Cooler 8 °C	Cooler 13 °C	Cooler 18 °C		
Cooler 4: °C	Cooler 9 °C	Cooler 14 °C	Cooler 19 °C		
Cooler 5: °C	Cooler 10 °C	Cooler 15 °C	Cooler 20 °C		

SAMPLE CONDITION	YES	NO	NA	COMMENTS
Sample containers were received intact	☒	☐	☐	
Legible sample labels are affixed to each container	☒	☐	☐	
CHAIN OF CUSTODY (COC)	YES	NO	NA	COMMENTS

COC is present and includes the following information for each container:				
• Sample ID / Sample Description	X			
• Date of Sample Collection	X			
• Time of Sample Collection	X			
• Identification of the Sampler	X			
• Preservation Type			X	
• Requested Tests Method(s)	X			
• Necessary Signatures	X			

Internal Chain of Custody (ICOC) Required		X		
If yes to above, ICOC Record Initiated for every Worksheet			X	

SAMPLE INTEGRITY / USABILITY	YES	NO	NA	COMMENTS
The sample container matches the COC	X			
Appropriate sample containers were received for the tests requested	X			
Samples were received within holding time	X			
Sufficient amount of sample is provided for requested analyses	X			
VOA vials do not have headspace or a bubble >6mm (1/4" diameter)			X	
Appropriate preservatives were used for the tests requested			X	
pH of inorganic samples checked and is within method specification			X	
If no, attach Inorganic Sample pH Adjustment Form			X	

[illegible]

TestAmerica
South Burlington, VT
Extended Data Package

NY134484

TestAmerica Laboratories, Inc.

November 17, 2009

Mr. Rob Kovacs
Roux Associates
209 Shafter Street
Islandia, NY 11749

Re: Laboratory Project No. 29000
Case: 29000; SDG: NY134484

Dear Mr. Kovacs:

Enclosed are the analytical results for the samples that were received by TestAmerica Burlington on October 31st, 2009. Laboratory identification numbers were assigned, and designated as follows:

<u>Lab ID</u>	<u>Client Sample ID</u>	<u>Sample Date</u>	<u>Sample Matrix</u>
Received: 10/31/09 ETR No: 134484			
812246	VS-DCF	10/28/09	AIR
812247	VS-MRE	10/28/09	AIR
812248	VS-DCR	10/28/09	AIR
812249	VS-VAC	10/28/09	AIR
812250	IAQ-VAC	10/28/09	AIR
812251	VS-BOOK	10/28/09	AIR
812252	IAQ-BOOK	10/28/09	AIR

Documentation of the condition of the samples at the time of their receipt and any exception to the laboratory's Sample Acceptance Policy is documented in the Sample Handling section of this submittal.

During the canister pressure check performed upon receipt, it was observed that samples VS-VAC and VS-BOOK were received at ambient pressure. The analysis of this sample proceeded at the client's request.

Manual integration was employed in deriving certain of the analytical results. The values that have been derived from manual integration are qualified on the quantitation reports, and extracted ion current profiles are included in the data package.



Any reference within this report to Severn Trent Laboratories, Inc. or STL, should be understood to refer to TestAmerica Laboratories, Inc. (formerly known as Severn Trent Laboratories, Inc.) The analytical results associated with the samples presented in this test report were generated under a quality system that adheres to requirements specified in the NELAC standard. Release of the data in this test report and any associated electronic deliverables is authorized by the Laboratory Director's designee as verified by the following signature.

If there are any questions regarding this submittal, please contact me at 802 660-1990.

Sincerely,

A handwritten signature in black ink that reads 'Sara Goff'.

Sara Goff
Project Manager

Enclosure

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**TO-14/15
Result Summary**

CLIENT SAMPLE NO.

VS-DCF

Lab Name: TAL Burlington

SDG Number: NY134484

Dilution Factor: 0.80

Sample Matrix: AIR

Lab Sample No.: 812246

Date Analyzed: 11/11/2009

Date Received: 10/31/2009

Target Compound	CAS Number	Results in ppbv	Q	RL in ppbv	Results in ug/m3	Q	RL in ug/m3
Vinyl Chloride	75-01-4	0.16	U	0.16	0.41	U	0.41
1,1-Dichloroethene	75-35-4	0.16	U	0.16	0.63	U	0.63
trans-1,2-Dichloroethene	156-60-5	0.16	U	0.16	0.63	U	0.63
cis-1,2-Dichloroethene	156-59-2	0.16	U	0.16	0.63	U	0.63
1,2-Dichloroethene (total)	540-59-0	0.16	U	0.16	0.63	U	0.63
Trichloroethene	79-01-6	0.16	U	0.16	0.86	U	0.86
Tetrachloroethene	127-18-4	0.33		0.16	2.2		1.1

**TO-14/15
Result Summary**

CLIENT SAMPLE NO.

VS-MRE

Lab Name: TAL Burlington

SDG Number: NY134484

Dilution Factor: 0.80

Sample Matrix: AIR

Lab Sample No.: 812247

Date Analyzed: 11/11/2009

Date Received: 10/31/2009

Target Compound	CAS Number	Results in ppbv	Q	RL in ppbv	Results in ug/m3	Q	RL in ug/m3
Vinyl Chloride	75-01-4	0.16	U	0.16	0.41	U	0.41
1,1-Dichloroethene	75-35-4	0.16	U	0.16	0.63	U	0.63
trans-1,2-Dichloroethene	156-60-5	0.16	U	0.16	0.63	U	0.63
cis-1,2-Dichloroethene	156-59-2	0.16	U	0.16	0.63	U	0.63
1,2-Dichloroethene (total)	540-59-0	0.16	U	0.16	0.63	U	0.63
Trichloroethene	79-01-6	2.7		0.16	15		0.86
Tetrachloroethene	127-18-4	0.37		0.16	2.5		1.1

**TO-14/15
Result Summary**

CLIENT SAMPLE NO.

VS-DCR

Lab Name: TAL Burlington

SDG Number: NY134484

Dilution Factor: 0.80

Sample Matrix: AIR

Lab Sample No.: 812248

Date Analyzed: 11/11/2009

Date Received: 10/31/2009

Target Compound	CAS Number	Results in ppbv	Q	RL in ppbv	Results in ug/m3	Q	RL in ug/m3
Vinyl Chloride	75-01-4	0.16	U	0.16	0.41	U	0.41
1,1-Dichloroethene	75-35-4	0.16	U	0.16	0.63	U	0.63
trans-1,2-Dichloroethene	156-60-5	0.16	U	0.16	0.63	U	0.63
cis-1,2-Dichloroethene	156-59-2	0.16	U	0.16	0.63	U	0.63
1,2-Dichloroethene (total)	540-59-0	0.16	U	0.16	0.63	U	0.63
Trichloroethene	79-01-6	0.16	U	0.16	0.86	U	0.86
Tetrachloroethene	127-18-4	0.43		0.16	2.9		1.1

**TO-14/15
Result Summary**

CLIENT SAMPLE NO.

VS-VAC

Lab Name: TAL Burlington

SDG Number: NY134484

Dilution Factor: 0.80

Sample Matrix: AIR

Lab Sample No.: 812249

Date Analyzed: 11/11/2009

Date Received: 10/31/2009

Target Compound	CAS Number	Results in ppbv	Q	RL in ppbv	Results in ug/m3	Q	RL in ug/m3
Vinyl Chloride	75-01-4	0.16	U	0.16	0.41	U	0.41
1,1-Dichloroethene	75-35-4	0.16	U	0.16	0.63	U	0.63
trans-1,2-Dichloroethene	156-60-5	0.16	U	0.16	0.63	U	0.63
cis-1,2-Dichloroethene	156-59-2	0.16	U	0.16	0.63	U	0.63
1,2-Dichloroethene (total)	540-59-0	0.16	U	0.16	0.63	U	0.63
Trichloroethene	79-01-6	0.16	U	0.16	0.86	U	0.86
Tetrachloroethene	127-18-4	0.35		0.16	2.4		1.1

**TO-14/15
Result Summary**

CLIENT SAMPLE NO.

IAQ-VAC

Lab Name: TAL Burlington

SDG Number: NY134484

Dilution Factor: 0.80

Sample Matrix: AIR

Lab Sample No.: 812250

Date Analyzed: 11/11/2009

Date Received: 10/31/2009

Target Compound	CAS Number	Results in ppbv	Q	RL in ppbv	Results in ug/m3	Q	RL in ug/m3
Vinyl Chloride	75-01-4	0.16	U	0.16	0.41	U	0.41
1,1-Dichloroethene	75-35-4	0.16	U	0.16	0.63	U	0.63
trans-1,2-Dichloroethene	156-60-5	0.16	U	0.16	0.63	U	0.63
cis-1,2-Dichloroethene	156-59-2	0.16	U	0.16	0.63	U	0.63
1,2-Dichloroethene (total)	540-59-0	0.16	U	0.16	0.63	U	0.63
Trichloroethene	79-01-6	0.16	U	0.16	0.86	U	0.86
Tetrachloroethene	127-18-4	1.1		0.16	7.5		1.1

**TO-14/15
Result Summary**

CLIENT SAMPLE NO.

VS-BOOK

Lab Name: TAL Burlington

SDG Number: NY134484

Dilution Factor: 0.80

Sample Matrix: AIR

Lab Sample No.: 812251

Date Analyzed: 11/11/2009

Date Received: 10/31/2009

Target Compound	CAS Number	Results in ppbv	Q	RL in ppbv	Results in ug/m3	Q	RL in ug/m3
Vinyl Chloride	75-01-4	0.16	U	0.16	0.41	U	0.41
1,1-Dichloroethene	75-35-4	0.16	U	0.16	0.63	U	0.63
trans-1,2-Dichloroethene	156-60-5	0.16	U	0.16	0.63	U	0.63
cis-1,2-Dichloroethene	156-59-2	0.16	U	0.16	0.63	U	0.63
1,2-Dichloroethene (total)	540-59-0	0.16	U	0.16	0.63	U	0.63
Trichloroethene	79-01-6	0.16	U	0.16	0.86	U	0.86
Tetrachloroethene	127-18-4	0.37		0.16	2.5		1.1

**TO-14/15
Result Summary**

CLIENT SAMPLE NO.

IAQ-BOOK

Lab Name: TAL Burlington

SDG Number: NY134484

Dilution Factor: 0.80

Sample Matrix: AIR

Lab Sample No.: 812252

Date Analyzed: 11/11/2009

Date Received: 10/31/2009

Target Compound	CAS Number	Results in ppbv	Q	RL in ppbv	Results in ug/m3	Q	RL in ug/m3
Vinyl Chloride	75-01-4	0.16	U	0.16	0.41	U	0.41
1,1-Dichloroethene	75-35-4	0.16	U	0.16	0.63	U	0.63
trans-1,2-Dichloroethene	156-60-5	0.16	U	0.16	0.63	U	0.63
cis-1,2-Dichloroethene	156-59-2	0.16	U	0.16	0.63	U	0.63
1,2-Dichloroethene (total)	540-59-0	0.16	U	0.16	0.63	U	0.63
Trichloroethene	79-01-6	0.16	U	0.16	0.86	U	0.86
Tetrachloroethene	127-18-4	1.6		0.16	11		1.1

**TO-14/15
Result Summary**

CLIENT SAMPLE NO.

FA111109LCS

Lab Name: TAL Burlington

SDG Number: NY134484

Dilution Factor: 1.00

Sample Matrix: AIR

Lab Sample No.: FA111109

Date Analyzed: 11/11/2009

Date Received: / /

Target Compound	CAS Number	Results in ppbv	Q	RL in ppbv	Results in ug/m3	Q	RL in ug/m3
Vinyl Chloride	75-01-4	11		0.20	28		0.51
1,1-Dichloroethene	75-35-4	12		0.20	48		0.79
trans-1,2-Dichloroethene	156-60-5	11		0.20	44		0.79
cis-1,2-Dichloroethene	156-59-2	11		0.20	44		0.79
1,2-Dichloroethene (total)	540-59-0	22		0.20	87		0.79
Trichloroethene	79-01-6	11		0.20	59		1.1
Tetrachloroethene	127-18-4	11		0.20	75		1.4

**TO-14/15
Result Summary**

CLIENT SAMPLE NO.

MBLK111109FA

Lab Name: TAL Burlington

SDG Number: NY134484

Dilution Factor: 0.80

Sample Matrix: AIR

Lab Sample No.: MBLK1111

Date Analyzed: 11/11/2009

Date Received: / /

Target Compound	CAS Number	Results in ppbv	Q	RL in ppbv	Results in ug/m3	Q	RL in ug/m3
Vinyl Chloride	75-01-4	0.16	U	0.16	0.41	U	0.41
1,1-Dichloroethene	75-35-4	0.16	U	0.16	0.63	U	0.63
trans-1,2-Dichloroethene	156-60-5	0.16	U	0.16	0.63	U	0.63
cis-1,2-Dichloroethene	156-59-2	0.16	U	0.16	0.63	U	0.63
1,2-Dichloroethene (total)	540-59-0	0.16	U	0.16	0.63	U	0.63
Trichloroethene	79-01-6	0.16	U	0.16	0.86	U	0.86
Tetrachloroethene	127-18-4	0.16	U	0.16	1.1	U	1.1

TestAmerica Burlington Data Qualifier Definitions

Organic

- U: Compound analyzed but not detected at a concentration above the reporting limit.
- J: Estimated value.
- N: Indicates presumptive evidence of a compound. This flag is used only for tentatively identified compounds (TICs) where the identification of a compound is based on a mass spectral library search.
- P: SW-846: The relative percent difference for detected concentrations between two GC columns is greater than 40%. Unless otherwise specified the higher of the two values is reported on the Form I.
- CLP SOW: Greater than 25% difference for detected concentrations between two GC columns. Unless otherwise specified the lower of the two values is reported on the Form I.
- C: Pesticide result whose identification has been confirmed by GC/MS.
- B: Analyte is found in the sample and the associated method blank. The flag is used for tentatively identified compounds as well as positively identified compounds.
- E: Compounds whose concentrations exceed the upper limit of the calibration range of the instrument for that specific analysis.
- D: Concentrations identified from analysis of the sample at a secondary dilution.
- A: Tentatively identified compound is a suspected aldol condensation product.
- X,Y,Z: Laboratory defined flags that may be used alone or combined, as needed. If used, the description of the flag is defined in the project narrative.

Inorganic/Metals

- E: Reported value is estimated due to the presence of interference.
- N: Matrix spike sample recovery is not within control limits.
- * Duplicate sample analysis is not within control limits.
- B: The result reported is less than the reporting limit but greater than the instrument detection limit.
- U: Analyte was analyzed for but not detected above the reporting limit.

Method Codes:

- P ICP-AES
MS ICP-MS
CV Cold Vapor AA
AS Semi-Automated Spectrophotometric

FQA009:02.18.08:4
TestAmerica Burlington



Chain of Custody

TestAmerica Burlington

30 Community Drive

Suite 11

South Burlington, VT 05403

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

Canister Samples Chain of Custody Record

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

Client Contact Information Company: <u>Robx Associates, Inc.</u> Address: <u>209 Shaker St.</u> City/State/Zip: <u>Islandia, NY 11749</u> Phone: <u>631 232 2600</u> FAX: <u>631 232 9898</u> Project Name: <u>Bruce Kaufman</u> Site: <u>Jef-EI Cleaners, Oceanside</u> PO #		Project Manager: <u>Rob Kovacs</u> Phone: <u>631 232 2600</u> Email: <u>r.kovacs@rovaxinc.com</u> Site Contact: TA Contact: Analysis Turnaround Time Standard (Specify): <u>2 WEEK TAT</u> Rush (Specify):		Samples Collected By: <u>J. Collins</u> 1 of 1 COCs															
Sample Identification	Sample Date(s)	Time Start	Time Stop	Canister Vacuum In Field, "Hg (Start)	Canister Vacuum In Field, "Hg (Stop)	Flow Controller ID	Canister ID	TO-15	TO-14A	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)
VS-DCF	10/28/09	1015	1802	-29.5	-41.6	3251	2781	X									X		
VS-MRG	10/28/09	1018	1759	-29	-4	2532	2532	X									X		
VS-DCR	10/28/09	1021	1757	-30	-9	4444	4444	X									X		
VS-VAC	10/28/09	1030	1806	-30	0	3118	4016	X									X		
TAQ-VAC	10/28/09	1028	1804	-30	-9	3193	3143	X									X		
VS-BOOK	10/28/09	1035	1815	-28	-6	3113	2587	X											
TAQ-BOOK	10/28/09	1035	1816	-30	-8	2829	2676	X											
Temperature (Fahrenheit) Interior: <u>70°F</u> Start: <u>70°F</u> Stop: <u>50°F</u> Ambient: <u>outside</u>																			
Pressure (Inches of Hg) Interior: <u>29.8</u> Start: <u>29.8</u> Stop: <u>29.8</u> Ambient: <u>29.8</u>																			
Special Instructions/QC Requirements & Comments: All samples to be analyzed for 1,1-Dichloroethene, Cis-1,2-Dichloroethene, Trans-1,2-Dichloroethene, 1,2-Dichloroethene (total), Tetrachloroethene, Trichloroethene, Vinyl Chloride, using TO15. All results must have a detection limit of 1 µg/m3 or less. Provide NYSDC ASP Category B deliverable.																			
Samples Shipped by: <u>[Signature]</u> Date/Time: <u>10/29/09</u>		Samples Received by: <u>[Signature]</u> Date/Time: <u>10/31/09</u>																	
Samples Relinquished by: <u>[Signature]</u> Date/Time: <u>10/29/09</u>		Received by: <u>[Signature]</u> Date/Time: <u>10/31/09</u>																	
Relinquished by: <u>[Signature]</u> Date/Time: <u>10/29/09</u>		Received by: <u>[Signature]</u> Date/Time: <u>10/31/09</u>																	
Lab Use Only				Shipper Name:				Opened by:				Condition:							



QC Summary – TO-15 Volatile

FORM 3
AIR VOLATILE LAB CONTROL SAMPLE

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: NY134484

Matrix Spike - Sample No.: FA111109LCS

COMPOUND	SPIKE ADDED (ppbv)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ppbv)	LCS % REC #	QC. LIMITS REC.
=====	=====	=====	=====	=====	=====
Vinyl Chloride	10		11	110	70-130
1,1-Dichloroethene	10		12	120	70-130
trans-1,2-Dichloroethen	10		11	110	70-130
cis-1,2-Dichloroethene	10		11	110	70-130
1,2-Dichloroethene (tot	20		22	110	70-130
Trichloroethene	10		11	110	70-130
Tetrachloroethene	10		11	110	70-130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 0 outside limits

Spike Recovery: 0 out of 7 outside limits

COMMENTS:

FORM III VOA

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

MBLK111109FA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: NY134484

Lab File ID: FDGB02B Lab Sample ID: MBLK111109FA

Date Analyzed: 11/11/09 Time Analyzed: 1352

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

Instrument ID: F

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
	=====	=====	=====	=====
01	FA111109LCS	FA111109LCS	FDG10BQ	1209
02	VS-DCF	812246	812246	1443
03	VS-MRE	812247	812247	1533
04	VS-DCR	812248	812248	1624
05	VS-VAC	812249	812249	1714
06	IAQ-VAC	812250	812250	1805
07	VS-BOOK	812251	812251	1855
08	IAQ-BOOK	812252	812252	1946
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
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21				
22				
23				
24				
25				
26				
27				
28				
29				
30				

COMMENTS:

FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TESTAMERICA BURLINGTON Contract: 29000
Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: NY134484
Lab File ID: FDG01PV BFB Injection Date: 11/09/09
Instrument ID: F BFB Injection Time: 2012
GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	12.9
75	30.0 - 66.0% of mass 95	43.3
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.5 (0.5)1
174	50.0 - 120.0% of mass 95	110.9
175	4.0 - 9.0% of mass 174	7.7 (6.9)1
176	93.0 - 101.0% of mass 174	107.3 (96.7)1
177	5.0 - 9.0% of mass 176	7.0 (6.5)2

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

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	ASTD0002	ASTD0002	FDG002V	11/09/09	2153
02	ASTD0005	ASTD0005	FDG005V	11/09/09	2244
03	ASTD010	ASTD010	FDG10V	11/10/09	0027
04	ASTD015	ASTD015	FDG15V	11/10/09	0119
05	ASTD020	ASTD020	FDG20V	11/10/09	0210
06	ASTD040	ASTD040	FDG40V	11/10/09	0301
07	ASTD005	ASTD005	FDG05V2	11/10/09	0832
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TESTAMERICA BURLINGTON Contract: 29000
Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: NY134484
Lab File ID: FDG03PV BFB Injection Date: 11/11/09
Instrument ID: F BFB Injection Time: 1023
GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	12.6
75	30.0 - 66.0% of mass 95	42.5
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	0.5 (0.4)1
174	50.0 - 120.0% of mass 95	111.2
175	4.0 - 9.0% of mass 174	7.8 (7.1)1
176	93.0 - 101.0% of mass 174	108.1 (97.2)1
177	5.0 - 9.0% of mass 176	6.9 (6.4)2

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

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	ASTD010	ASTD010	FDG10BV	11/11/09	1119
02	FA111109LCS	FA111109LCS	FDG10BQ	11/11/09	1209
03	MBLK111109FA	MBLK111109FA	FDGB02B	11/11/09	1352
04	VS-DCF	812246	812246	11/11/09	1443
05	VS-MRE	812247	812247	11/11/09	1533
06	VS-DCR	812248	812248	11/11/09	1624
07	VS-VAC	812249	812249	11/11/09	1714
08	IAQ-VAC	812250	812250	11/11/09	1805
09	VS-BOOK	812251	812251	11/11/09	1855
10	IAQ-BOOK	812252	812252	11/11/09	1946
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

FORM 8
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000
Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: NY134484
Lab File ID (Standard): FDG10BV Date Analyzed: 11/11/09
Instrument ID: F Time Analyzed: 1119
GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

	IS1 (BCM)		IS2 (DFB)		IS3 (CBZ)	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
=====	=====	=====	=====	=====	=====	=====
12 HOUR STD	1057237	9.69	5083280	11.08	4742483	15.18
UPPER LIMIT	1480132	10.02	7116592	11.41	6639476	15.51
LOWER LIMIT	634342	9.36	3049968	10.75	2845490	14.85
=====	=====	=====	=====	=====	=====	=====
CLIENT						
SAMPLE NO.						
=====	=====	=====	=====	=====	=====	=====
01 FA111109LCS	1108619	9.70	5301536	11.09	5015926	15.19
02 MBLK111109FA	1140977	9.69	5570394	11.08	5177932	15.18
03 VS-DCF	1107838	9.69	5388139	11.09	5153584	15.19
04 VS-MRE	1146015	9.69	5518401	11.09	5156760	15.19
05 VS-DCR	1117263	9.69	5422138	11.08	5083477	15.19
06 VS-VAC	1118873	9.70	5437016	11.09	5195241	15.19
07 IAQ-VAC	1121328	9.69	5421940	11.08	5013857	15.18
08 VS-BOOK	1099924	9.69	5341310	11.08	5135125	15.18
09 IAQ-BOOK	1059277	9.69	5127611	11.08	4696219	15.18
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						

IS1 (BCM) = Bromochloromethane
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-d5

AREA UPPER LIMIT = + 40% of internal standard area
AREA LOWER LIMIT = - 40% of internal standard area
RT UPPER LIMIT = + 0.33 minutes of internal standard RT
RT LOWER LIMIT = - 0.33 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.



Supportive Documentation – TO-15 Volatile

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

ROUX1 SAMPLE NO.

IAQ-BOOK

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: NY134484

Matrix: (soil/water) AIR Lab Sample ID: 812252

Sample wt/vol: 250.0 (g/mL) ML Lab File ID: 812252

Level: (low/med) LOW Date Received: 10/31/09

% Moisture: not dec. Date Analyzed: 11/11/09

GC Column: RTX-624 ID: 0.32 (mm) Dilution Factor: 0.8

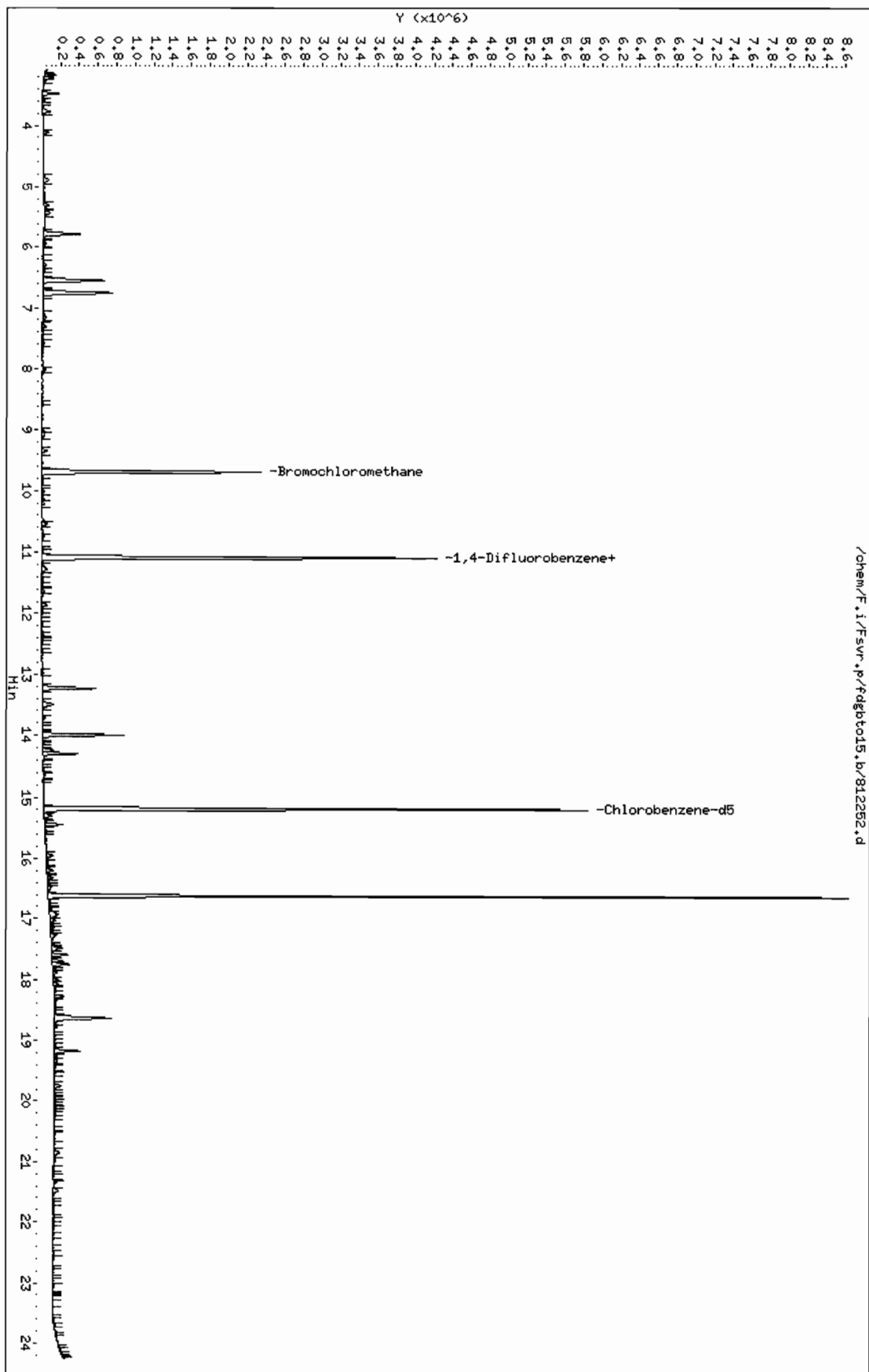
Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg) PPBV	Q
75-01-4-----	Vinyl Chloride	0.16	U
75-35-4-----	1,1-Dichloroethene	0.16	U
156-60-5-----	trans-1,2-Dichloroethene	0.16	U
156-59-2-----	cis-1,2-Dichloroethene	0.16	U
540-59-0-----	1,2-Dichloroethene (total)	0.16	U
79-01-6-----	Trichloroethene	0.16	U
127-18-4-----	Tetrachloroethene	1.6	

FORM I VOA

Data File: /chem/F.i/Fsivr.p/fdgbt015.b/812252.d
Date: 11-NOV-2009 19:46
Client ID: IAQ-B00K
Sample Info: IAQ-B00K : I 110/28/09 01816(01R)
Purge Volume: 250.0
Column phase: RTX-624

Instrument: F.i
Operator: wrd
Column diameter: 0.32



TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/F.i/Fsvr.p/fdgbtol5.b/812252.d
Lab Smp Id: 812252 Client Smp ID: IAQ-BOOK
Inj Date : 11-NOV-2009 19:46
Operator : wrd Inst ID: F.i
Smp Info : IAQ-BOOK :[]10/28/09 @1816(AIR)
Misc Info : 812252;111109FA;0.8;250
Comment :
Method : /chem/F.i/Fsvr.p/fdgbtol5.b/stol5.m
Meth Date : 16-Nov-2009 07:19 klp Quant Type: ISTD
Cal Date : 10-NOV-2009 08:32 Cal File: fdg05v2.d
Als bottle: 10
Dil Factor: 0.80000
Integrator: HP RTE Compound Sublist: ROUX1_Ocean.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	0.80000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	250.00000	Sample Volume purged (mL)

Cpnd Variable

Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ppbv)	FINAL (ppbv)
6 Vinyl Chloride	62						
18 1,1-Dichloroethene	96						
27 trans-1,2-Dichloroethene	61						
31 cis-1,2-Dichloroethene	96						
* 32 Bromochloromethane	128	9.694	9.699	(1.000)	1059277	10.0000	
M 40 1,2-Dichloroethene (total)	61						
* 43 1,4-Difluorobenzene	114	11.085	11.090	(1.000)	5127611	10.0000	
45 Trichloroethene	95						
57 Tetrachloroethene	166	13.995	14.000	(0.922)	405689	1.98305	1.6
* 61 Chlorobenzene-d5	117	15.183	15.188	(1.000)	4696219	10.0000	

Data File: /chem/F.i/Fsvr.p/fdgto15.b/812252.d

Page 3

Date : 11-NOV-2009 19:46

Client ID: IAQ-B00K

Instrument: F.i

Sample Info: IAQ-B00K :[110/28/09 @1816(AIR)

Purge Volume: 250.0

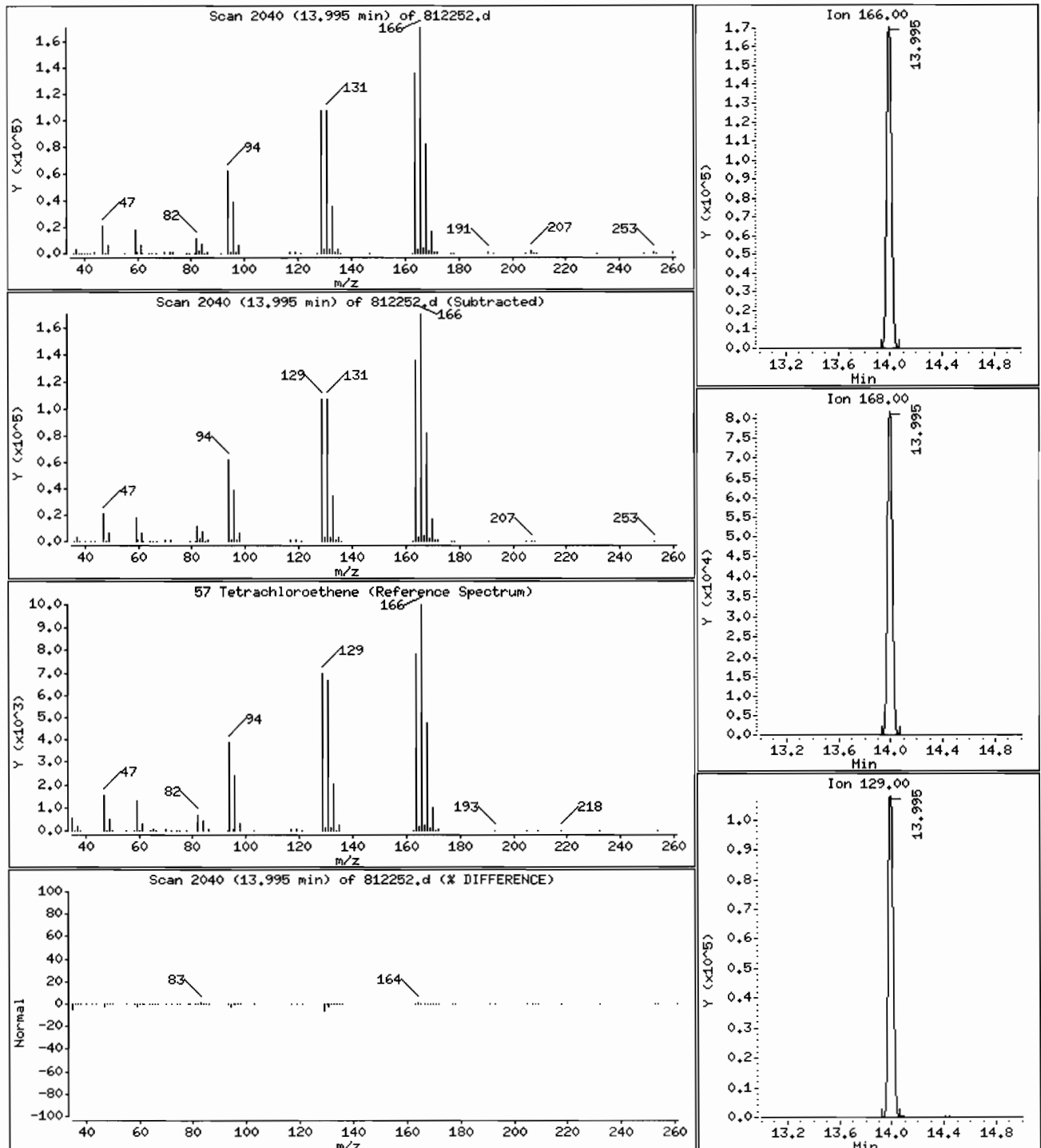
Operator: wrd

Column phase: RTX-624

Column diameter: 0.32

57 Tetrachloroethene

Concentration: 1.6 ppbv



FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

ROUX1 SAMPLE NO.

IAQ-VAC

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: NY134484

Matrix: (soil/water) AIR Lab Sample ID: 812250

Sample wt/vol: 250.0 (g/mL) ML Lab File ID: 812250

Level: (low/med) LOW Date Received: 10/31/09

% Moisture: not dec. Date Analyzed: 11/11/09

GC Column: RTX-624 ID: 0.32 (mm) Dilution Factor: 0.8

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) PPBV		Q
75-01-4-----	Vinyl Chloride	0.16	U	
75-35-4-----	1,1-Dichloroethene	0.16	U	
156-60-5-----	trans-1,2-Dichloroethene	0.16	U	
156-59-2-----	cis-1,2-Dichloroethene	0.16	U	
540-59-0-----	1,2-Dichloroethene (total)	0.16	U	
79-01-6-----	Trichloroethene	0.16	U	
127-18-4-----	Tetrachloroethene	1.1		

FORM I VOA

Data File: /chem/F.i/Fs.vr.p/fdgbt015.b/812250.d

Date: 11-NOV-2009 18:05

Client ID: IAQ-VAC

Sample Info: IAQ-VAC : I 110/28/09 01804(RIR)

Purge Volume: 250.0

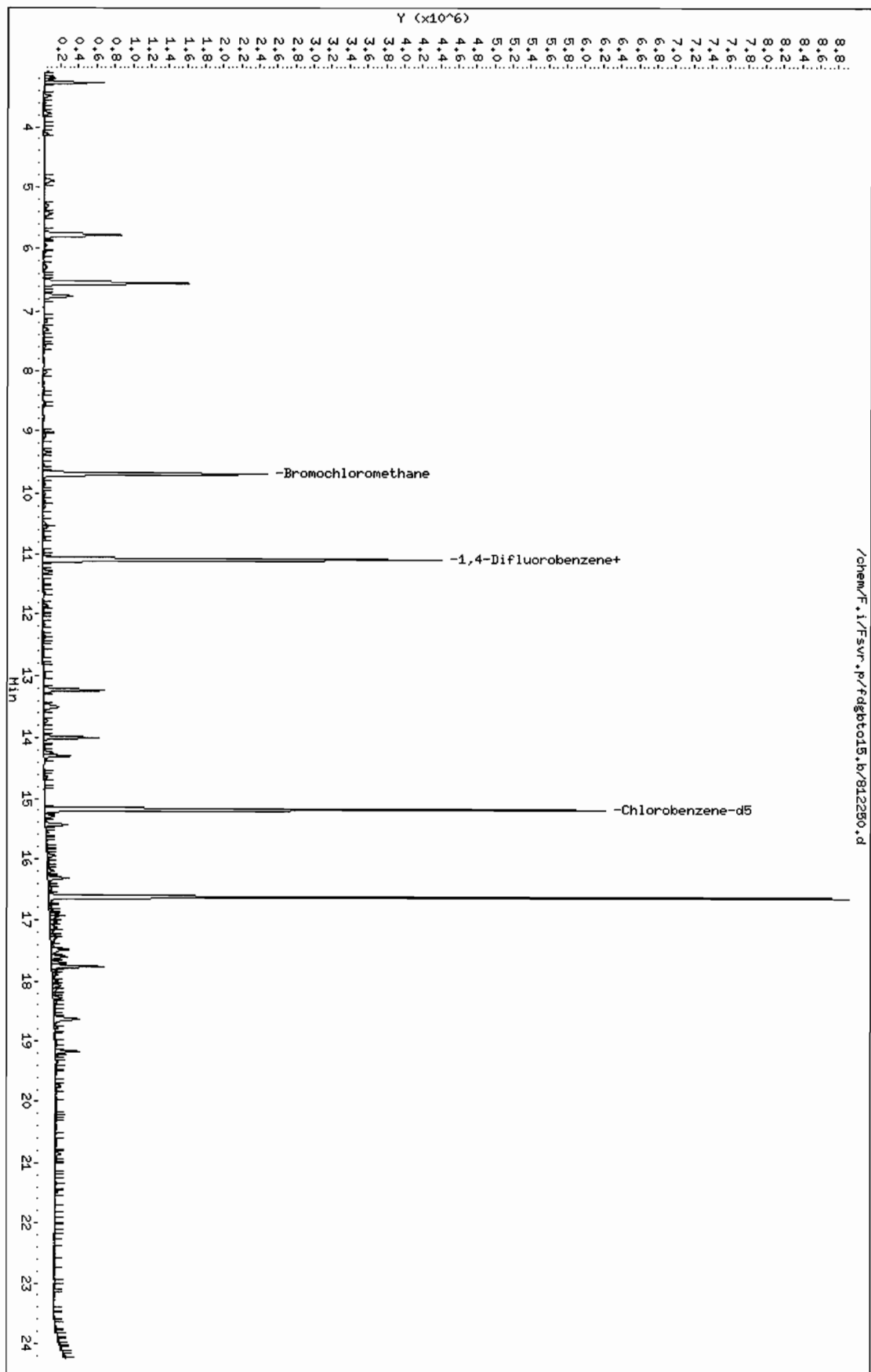
Column phase: RTX-624

Instrument: F.i

Operator: wrd

Column diameter: 0.32

Page 2



TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/F.i/Fsvr.p/fdgbto15.b/812250.d
Lab Smp Id: 812250 Client Smp ID: IAQ-VAC
Inj Date : 11-NOV-2009 18:05
Operator : wrd Inst ID: F.i
Smp Info : IAQ-VAC :[]10/28/09 @1804(AIR)
Misc Info : 812250;111109FA;0.8;250
Comment :
Method : /chem/F.i/Fsvr.p/fdgbto15.b/sto15.m
Meth Date : 16-Nov-2009 07:19 klp Quant Type: ISTD
Cal Date : 10-NOV-2009 08:32 Cal File: fdg05v2.d
Als bottle: 8
Dil Factor: 0.80000
Integrator: HP RTE Compound Sublist: ROUX1_Ocean.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	0.80000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	250.00000	Sample Volume purged (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ppbv)	FINAL (ppbv)
6 Vinyl Chloride	62						
18 1,1-Dichloroethene	96						
27 trans-1,2-Dichloroethene	61						
31 cis-1,2-Dichloroethene	96						
* 32 Bromochloromethane	128	9.694	9.699	(1.000)	1121328	10.0000	
M 40 1,2-Dichloroethene (total)	61						
* 43 1,4-Difluorobenzene	114	11.085	11.090	(1.000)	5421940	10.0000	
45 Trichloroethene	95						
57 Tetrachloroethene	166	13.995	14.000	(0.922)	287261	1.31521	1.1
* 61 Chlorobenzene-d5	117	15.182	15.188	(1.000)	5013857	10.0000	

Data File: /chem/F.i/Fsvr,p/fdgbto15,b/812250.d

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Date : 11-NOV-2009 18:05

Client ID: IAQ-VAC

Instrument: F.i

Sample Info: IAQ-VAC :I 110/28/09 @1804(AIR)

Purge Volume: 250.0

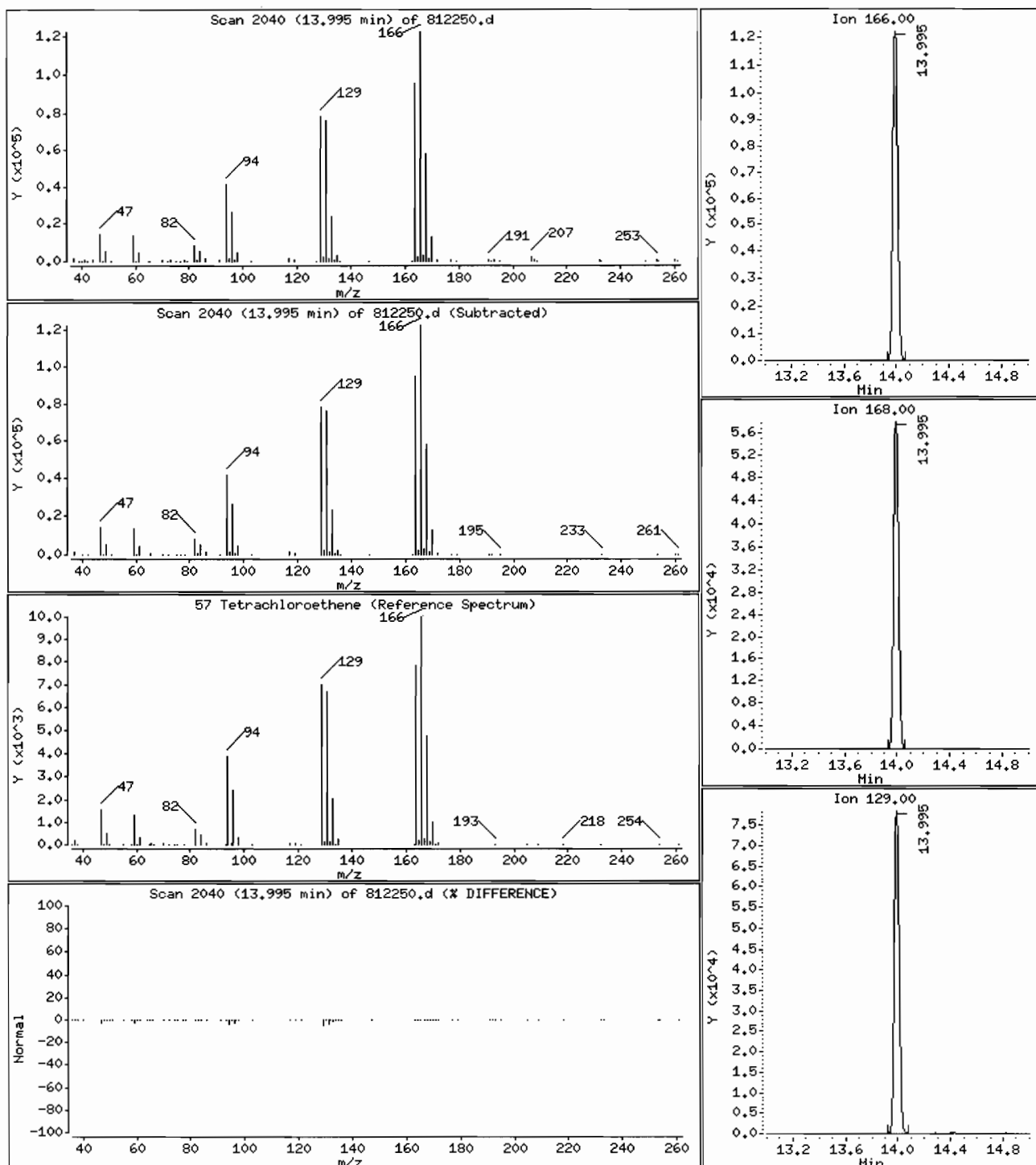
Operator: wrd

Column phase: RTX-624

Column diameter: 0.32

57 Tetrachloroethene

Concentration: 1.1 ppbv



FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

ROUX1 SAMPLE NO.

VS-BOOK

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: NY134484

Matrix: (soil/water) AIR Lab Sample ID: 812251

Sample wt/vol: 250.0 (g/mL) ML Lab File ID: 812251

Level: (low/med) LOW Date Received: 10/31/09

% Moisture: not dec. Date Analyzed: 11/11/09

GC Column: RTX-624 ID: 0.32 (mm) Dilution Factor: 0.8

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) PPBV Q

75-01-4-----	Vinyl Chloride	0.16	U
75-35-4-----	1,1-Dichloroethene	0.16	U
156-60-5-----	trans-1,2-Dichloroethene	0.16	U
156-59-2-----	cis-1,2-Dichloroethene	0.16	U
540-59-0-----	1,2-Dichloroethene (total)	0.16	U
79-01-6-----	Trichloroethene	0.16	U
127-18-4-----	Tetrachloroethene	0.37	

FORM I VOA

Data File: /chem/F.1/Fsyr.p/fdgbt015.b/812251.d

Date: 11-NOV-2009 18:55

Client ID: VS-B00K

Sample Info: VS-B00K : I 110/28/09 01815(AIR)

Purge Volume: 250.0

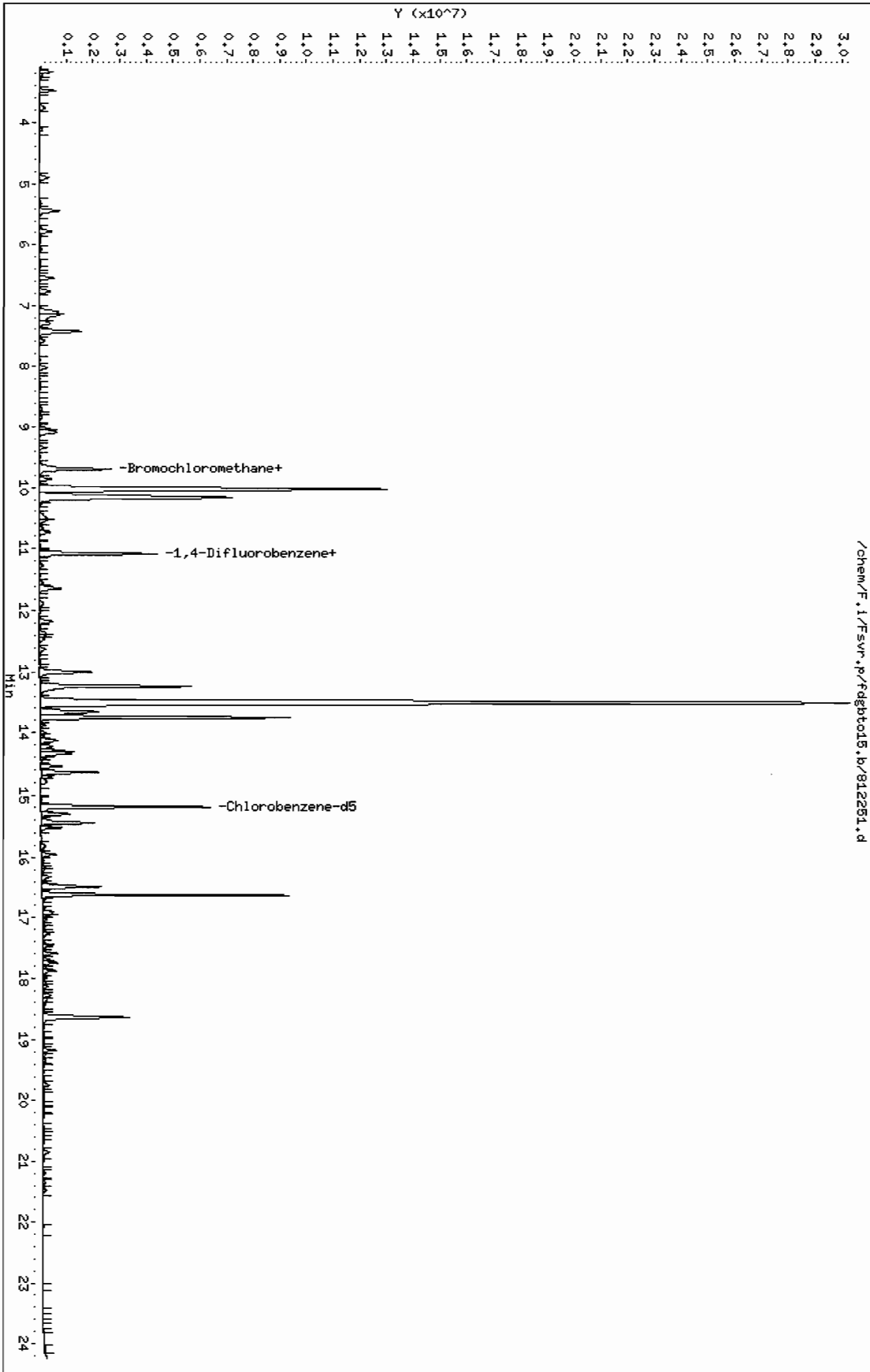
Column phase: RTX-624

Instrument: F.i

Operator: wrd

Column diameter: 0.32

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Data File: /chem/F.i/Fsvr.p/fdgbt015.b/812251.d
Report Date: 16-Nov-2009 07:20

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TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/F.i/Fsvr.p/fdgbt015.b/812251.d
Lab Smp Id: 812251 Client Smp ID: VS-BOOK
Inj Date : 11-NOV-2009 18:55
Operator : wrd Inst ID: F.i
Smp Info : VS-BOOK :[]10/28/09 @1815(AIR)
Misc Info : 812251;111109FA;0.8;250
Comment :
Method : /chem/F.i/Fsvr.p/fdgbt015.b/st015.m
Meth Date : 16-Nov-2009 07:19 klp Quant Type: ISTD
Cal Date : 10-NOV-2009 08:32 Cal File: fdg05v2.d
Als bottle: 9
Dil Factor: 0.80000
Integrator: HP RTE Compound Sublist: ROUX1_Ocean.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	0.80000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	250.00000	Sample Volume purged (mL)

Cpnd Variable

Local Compound Variable

Compounds	QUANT SIG MASS						CONCENTRATIONS	
		RT	EXP RT	REL RT	RESPONSE		ON-COLUMN (ppbv)	FINAL (ppbv)
6 Vinyl Chloride	62							
18 1,1-Dichloroethene	96							
27 trans-1,2-Dichloroethene	61							
31 cis-1,2-Dichloroethene	96							
* 32 Bromochloromethane	128	9.694	9.699	(1.000)	1099924		10.0000	
M 40 1,2-Dichloroethene (total)	61							
* 43 1,4-Difluorobenzene	114	11.085	11.090	(1.000)	5341310		10.0000	
45 Trichloroethene	95							
57 Tetrachloroethene	166	13.995	14.000	(0.922)	102259		0.45713	0.37
* 61 Chlorobenzene-d5	117	15.182	15.188	(1.000)	5135125		10.0000	

Data File: /chem/F.i/Fsvr.p/fdgbto15.b/812251.d

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Date : 11-NOV-2009 18:55

Client ID: VS-B00K

Instrument: F.i

Sample Info: VS-B00K :[110/28/09 @1815(AIR)

Purge Volume: 250.0

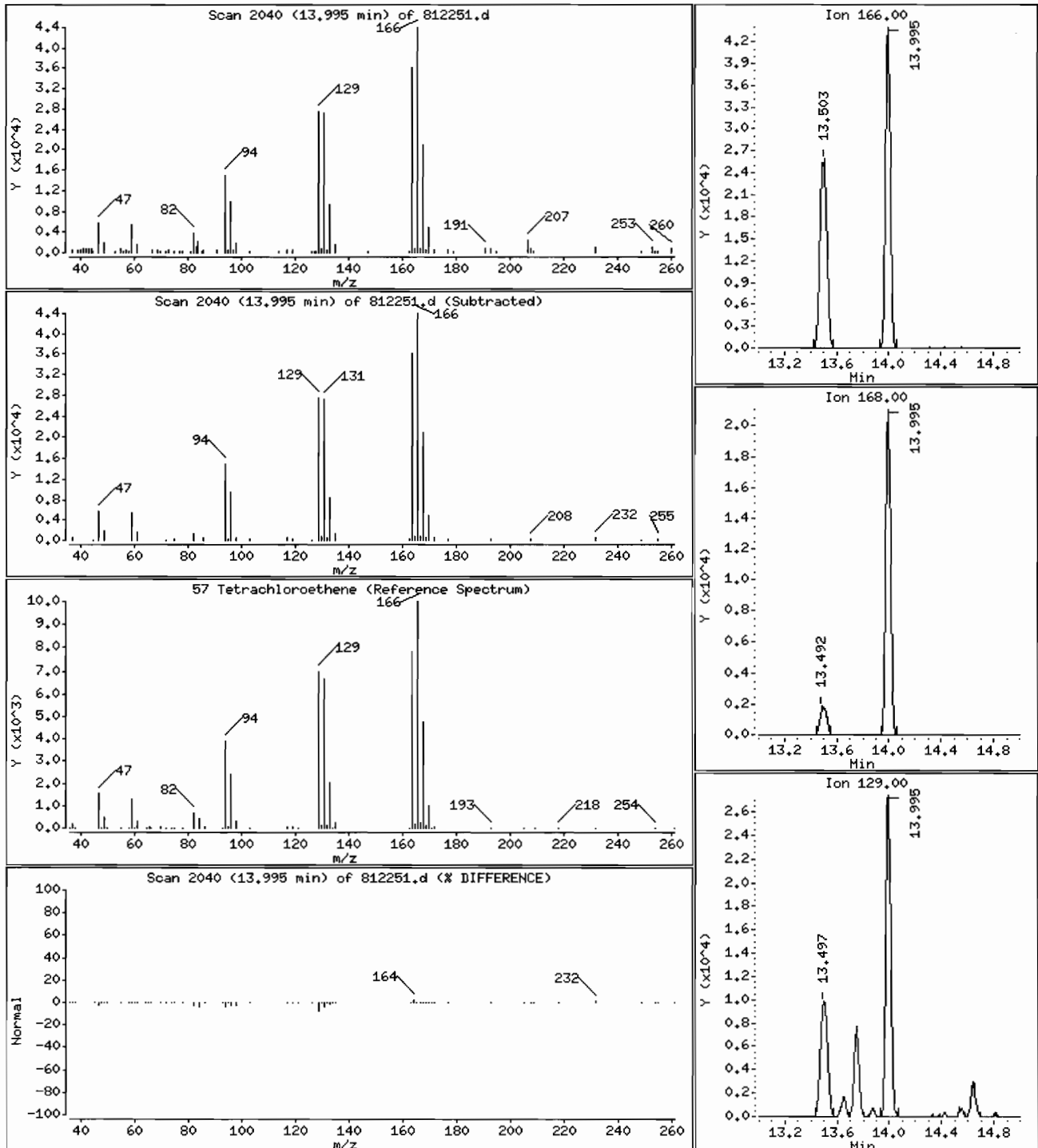
Operator: wrd

Column phase: RTX-624

Column diameter: 0.32

57 Tetrachloroethene

Concentration: 0.37 ppbv



FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

ROUX1 SAMPLE NO.

VS-DCF

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: NY134484

Matrix: (soil/water) AIR

Lab Sample ID: 812246

Sample wt/vol: 250.0 (g/mL) ML

Lab File ID: 812246

Level: (low/med) LOW

Date Received: 10/31/09

% Moisture: not dec. _____

Date Analyzed: 11/11/09

GC Column: RTX-624 ID: 0.32 (mm)

Dilution Factor: 0.8

Soil Extract Volume: _____ (uL)

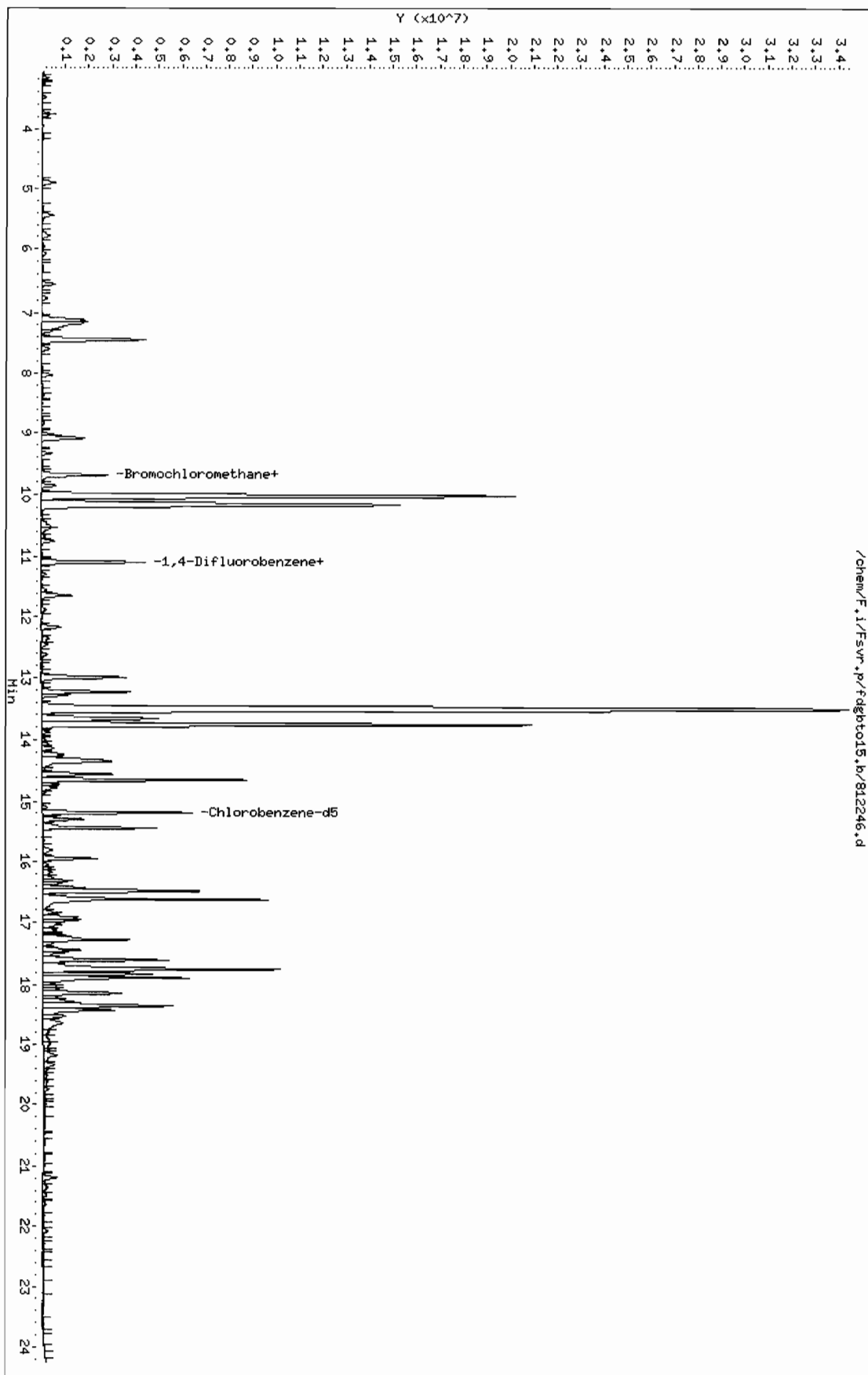
Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg) PPBV	Q
75-01-4-----	Vinyl Chloride	0.16	U
75-35-4-----	1,1-Dichloroethene	0.16	U
156-60-5-----	trans-1,2-Dichloroethene	0.16	U
156-59-2-----	cis-1,2-Dichloroethene	0.16	U
540-59-0-----	1,2-Dichloroethene (total)	0.16	U
79-01-6-----	Trichloroethene	0.16	U
127-18-4-----	Tetrachloroethene	0.33	

FORM I VOA

Data File: /chem/F.i/Fsyr.p/fqbt015.b/812246.d
Date: 11-NOV-2009 14:43
Client ID: VS-DCF
Sample Info: VS-DCF : I 110/28/09 01802(AIR)
Purge Volume: 250.0
Column phase: RTX-624

Instrument: F.i
Operator: wrd
Column diameter: 0.32



Data File: /chem/F.i/Fsvr.p/fdgbtol5.b/812246.d
Report Date: 16-Nov-2009 07:19

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TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/F.i/Fsvr.p/fdgbtol5.b/812246.d
Lab Smp Id: 812246 Client Smp ID: VS-DCF
Inj Date : 11-NOV-2009 14:43
Operator : wrd Inst ID: F.i
Smp Info : VS-DCF :[]10/28/09 @1802(AIR)
Misc Info : 812246;111109FA;0.8;250
Comment :
Method : /chem/F.i/Fsvr.p/fdgbtol5.b/stol5.m
Meth Date : 16-Nov-2009 07:19 klp Quant Type: ISTD
Cal Date : 10-NOV-2009 08:32 Cal File: fdg05v2.d
Als bottle: 4
Dil Factor: 0.80000
Integrator: HP RTE Compound Sublist: ROUX1_Ocean.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	0.80000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	250.00000	Sample Volume purged (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ppbv)	FINAL (ppbv)
6 Vinyl Chloride	62				Compound Not Detected.		
18 1,1-Dichloroethene	96				Compound Not Detected.		
27 trans-1,2-Dichloroethene	61				Compound Not Detected.		
31 cis-1,2-Dichloroethene	96				Compound Not Detected.		
* 32 Bromochloromethane	128	9.694	9.699	(1.000)	1107838	10.0000	
M 40 1,2-Dichloroethene (total)	61				Compound Not Detected.		
* 43 1,4-Difluorobenzene	114	11.090	11.090	(1.000)	5388139	10.0000	
45 Trichloroethene	95				Compound Not Detected.		
57 Tetrachloroethene	166	14.000	14.000	(0.922)	93874	0.41814	0.33
* 61 Chlorobenzene-d5	117	15.188	15.188	(1.000)	5153584	10.0000	

Data File: /chem/F.i/Fsvr.p/fdgcto15,b/812246.d

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Date : 11-NOV-2009 14:43

Client ID: VS-DCF

Instrument: F.i

Sample Info: VS-DCF :[110/28/09 @1802(AIR)

Purge Volume: 250.0

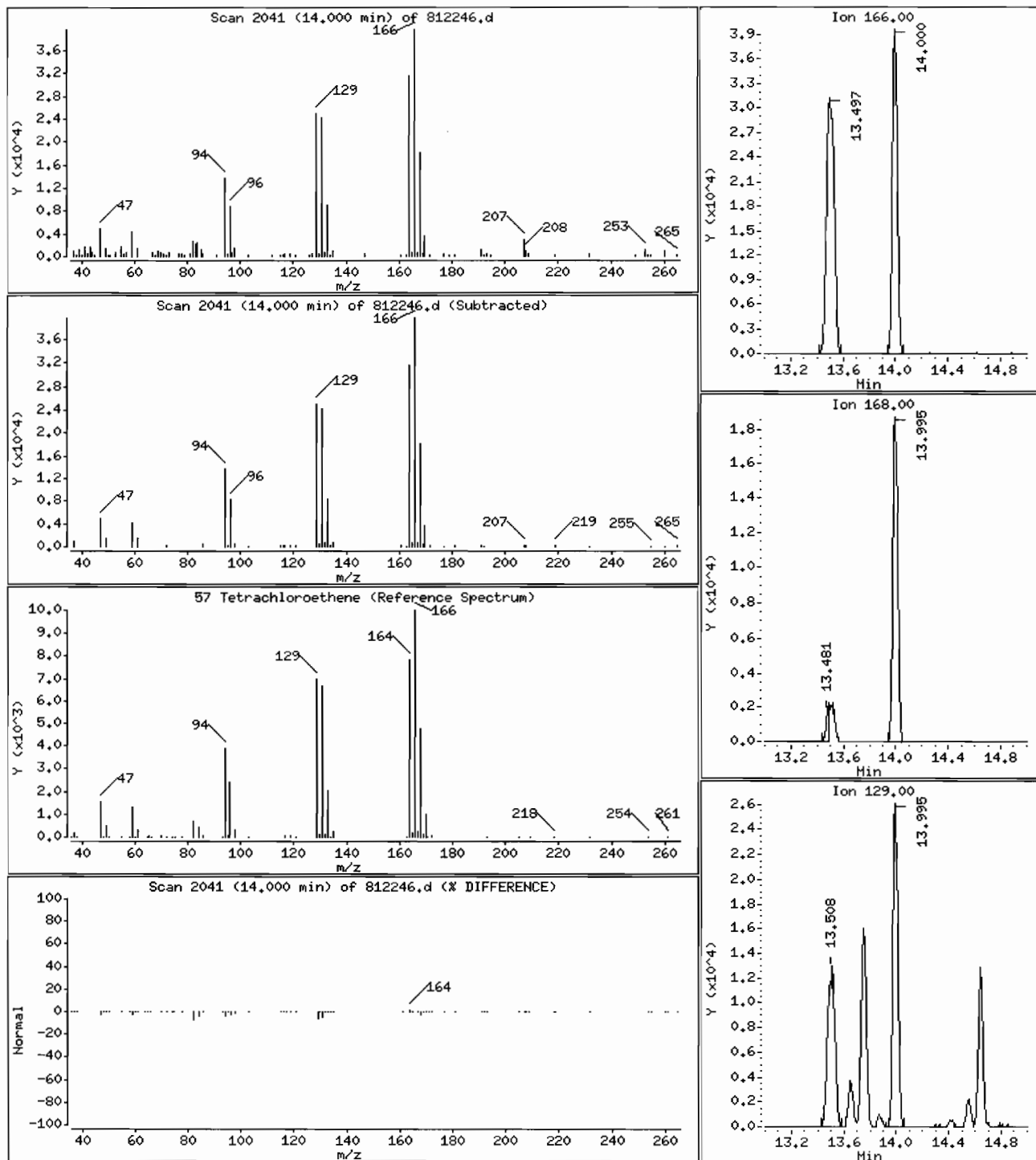
Operator: wrd

Column phase: RTX-624

Column diameter: 0.32

57 Tetrachloroethene

Concentration: 0.33 ppbv



FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

ROUX1 SAMPLE NO.

VS-DCR

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: NY134484

Matrix: (soil/water) AIR Lab Sample ID: 812248

Sample wt/vol: 250.0 (g/mL) ML Lab File ID: 812248

Level: (low/med) LOW Date Received: 10/31/09

% Moisture: not dec. Date Analyzed: 11/11/09

GC Column: RTX-624 ID: 0.32 (mm) Dilution Factor: 0.8

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

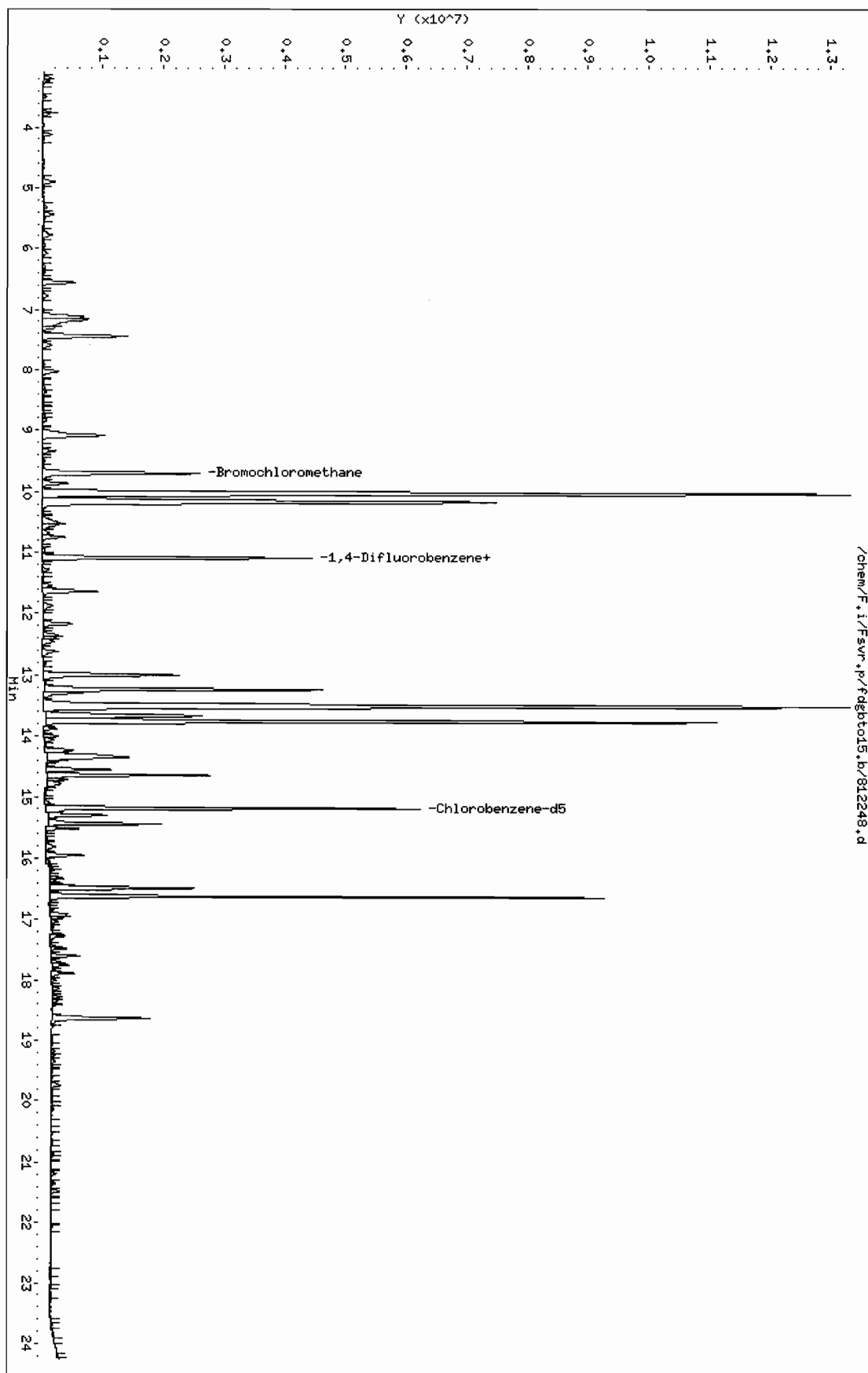
CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg) PPBV	Q
75-01-4-----	Vinyl Chloride	0.16	U
75-35-4-----	1,1-Dichloroethene	0.16	U
156-60-5-----	trans-1,2-Dichloroethene	0.16	U
156-59-2-----	cis-1,2-Dichloroethene	0.16	U
540-59-0-----	1,2-Dichloroethene (total)	0.16	U
79-01-6-----	Trichloroethene	0.16	U
127-18-4-----	Tetrachloroethene	0.43	

FORM I VOA

Data File: /chem/F.i/Fsyr,p/fdgbt015.b/812248.d
Date: 11-NOV-2009 16:24
Client ID: VS-DCR
Sample Info: VS-DCR : [110/28/09 01757(AIR)]
Purge Volume: 250.0
Column Phase: RTX-624

Instrument: F.i
Operator: wrd
Column diameter: 0.32

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TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/F.i/Fsvr.p/fdgbito15.b/812248.d
Lab Smp Id: 812248 Client Smp ID: VS-DCR
Inj Date : 11-NOV-2009 16:24
Operator : wrd Inst ID: F.i
Smp Info : VS-DCR : [] 10/28/09 @1757(AIR)
Misc Info : 812248;111109FA;0.8;250
Comment :
Method : /chem/F.i/Fsvr.p/fdgbito15.b/sto15.m
Meth Date : 16-Nov-2009 07:19 klp Quant Type: ISTD
Cal Date : 10-NOV-2009 08:32 Cal File: fdg05v2.d
Als bottle: 6
Dil Factor: 0.80000
Integrator: HP RTE Compound Sublist: ROUX1_Ocean.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	0.80000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	250.00000	Sample Volume purged (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG						CONCENTRATIONS	
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ppbv)	FINAL (ppbv)
6 Vinyl Chloride	62							
18 1,1-Dichloroethene	96							
27 trans-1,2-Dichloroethene	61							
31 cis-1,2-Dichloroethene	96							
* 32 Bromochloromethane	128		9.694	9.699	(1.000)	1117263	10.0000	
M 40 1,2-Dichloroethene (total)	61							
* 43 1,4-Difluorobenzene	114		11.085	11.090	(1.000)	5422138	10.0000	
45 Trichloroethene	95							
57 Tetrachloroethene	166		13.995	14.000	(0.921)	120253	0.54303	0.43
* 61 Chlorobenzene-d5	117		15.188	15.188	(1.000)	5083477	10.0000	

Data File: /chem/F.i/Fsvr.p/fdgbto15,b/812248.d

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Date : 11-NOV-2009 16:24

Client ID: VS-DCR

Instrument: F.i

Sample Info: VS-DCR :[110/28/09 @1757(AIR)

Purge Volume: 250.0

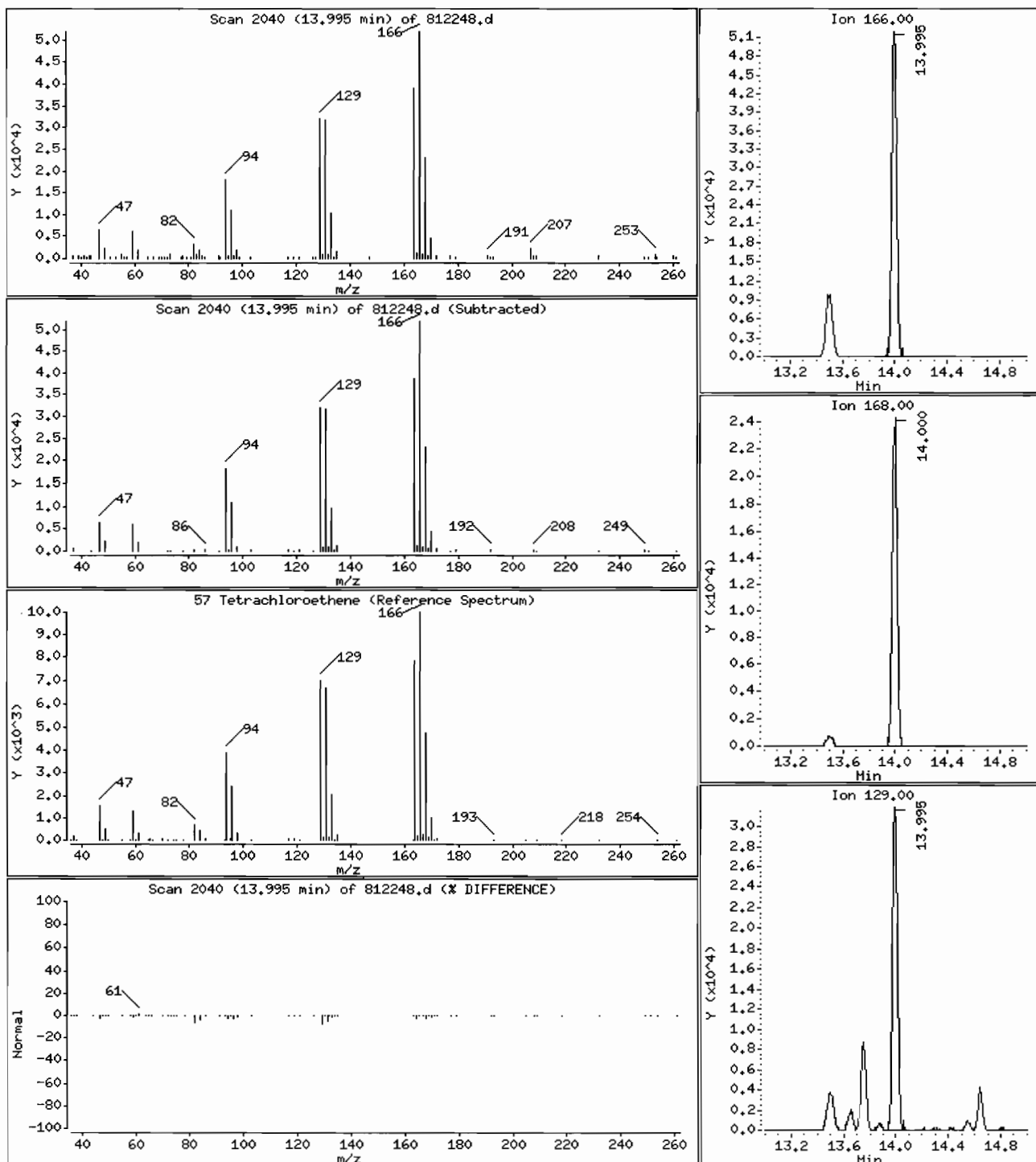
Operator: wrd

Column phase: RTX-624

Column diameter: 0.32

57 Tetrachloroethene

Concentration: 0.43 ppbv



FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

ROUX1 SAMPLE NO.

VS-MRE

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: NY134484

Matrix: (soil/water) AIR Lab Sample ID: 812247

Sample wt/vol: 250.0 (g/mL) ML Lab File ID: 812247

Level: (low/med) LOW Date Received: 10/31/09

% Moisture: not dec. Date Analyzed: 11/11/09

GC Column: RTX-624 ID: 0.32 (mm) Dilution Factor: 0.8

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg) PPBV	Q
75-01-4-----	Vinyl Chloride	0.16	U
75-35-4-----	1,1-Dichloroethene	0.16	U
156-60-5-----	trans-1,2-Dichloroethene	0.16	U
156-59-2-----	cis-1,2-Dichloroethene	0.16	U
540-59-0-----	1,2-Dichloroethene (total)	0.16	U
79-01-6-----	Trichloroethene	2.7	
127-18-4-----	Tetrachloroethene	0.37	

FORM I VOA

Data File: /chem/F.i/Fsvr.p/fdgbto15.b/812247.d

Date: 11-NOV-2009 15:33

Client ID: VS-HRE

Sample Info: VS-HRE : I 11/02/09 01759(AIR)

Purge Volume: 250.0

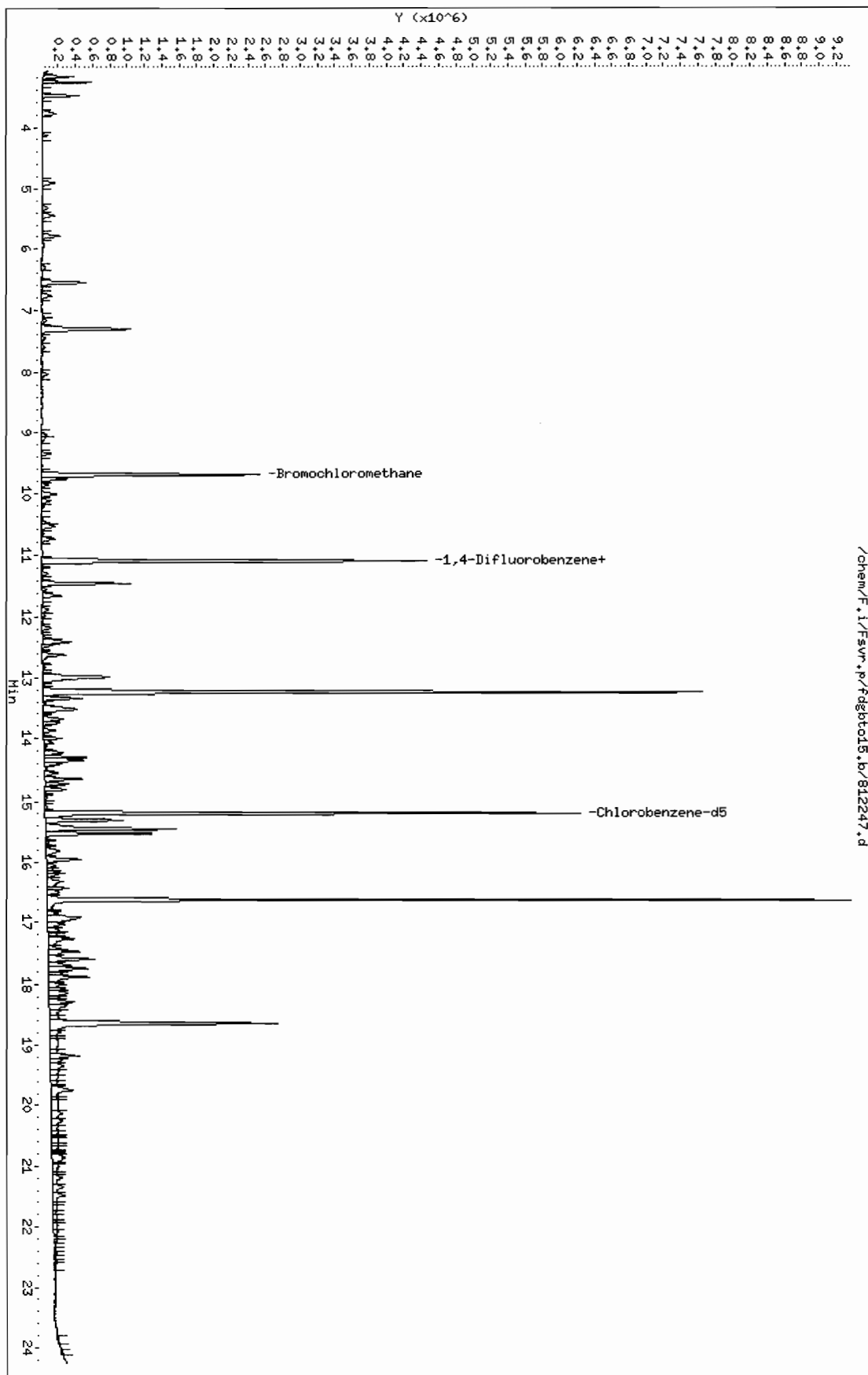
Column phase: RTX-624

Instrument: F.i

Operator: wrd

Column diameter: 0.32

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TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/F.i/Fsvr.p/fdgbto15.b/812247.d
Lab Smp Id: 812247 Client Smp ID: VS-MRE
Inj Date : 11-NOV-2009 15:33
Operator : wrd Inst ID: F.i
Smp Info : VS-MRE :[]10/28/09 @1759(AIR)
Misc Info : 812247;111109FA;0.8;250
Comment :
Method : /chem/F.i/Fsvr.p/fdgbto15.b/sto15.m
Meth Date : 16-Nov-2009 07:19 klp Quant Type: ISTD
Cal Date : 10-NOV-2009 08:32 Cal File: fdg05v2.d
Als bottle: 5
Dil Factor: 0.80000
Integrator: HP RTE Compound Sublist: ROUX1_Ocean.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	0.80000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	250.00000	Sample Volume purged (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ppbv)	FINAL (ppbv)
6 Vinyl Chloride	62						
18 1,1-Dichloroethene	96						
27 trans-1,2-Dichloroethene	61						
31 cis-1,2-Dichloroethene	96						
* 32 Bromochloromethane	128	9.694	9.699	(1.000)	1146015	10.0000	
M 40 1,2-Dichloroethene (total)	61						
* 43 1,4-Difluorobenzene	114	11.090	11.090	(1.000)	5518401	10.0000	
45 Trichloroethene	95	11.443	11.448	(1.032)	429354	3.37169	2.7
57 Tetrachloroethene	166	13.995	14.000	(0.921)	105019	0.46750	0.37
* 61 Chlorobenzene-d5	117	15.188	15.188	(1.000)	5156760	10.0000	

Data File: /chem/F.i/Fsvr.p/fdgbto15.b/812247.d

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Date : 11-NOV-2009 15:33

Client ID: VS-MRE

Instrument: F.i

Sample Info: VS-MRE :[110/28/09 @1759(AIR)

Purge Volume: 250.0

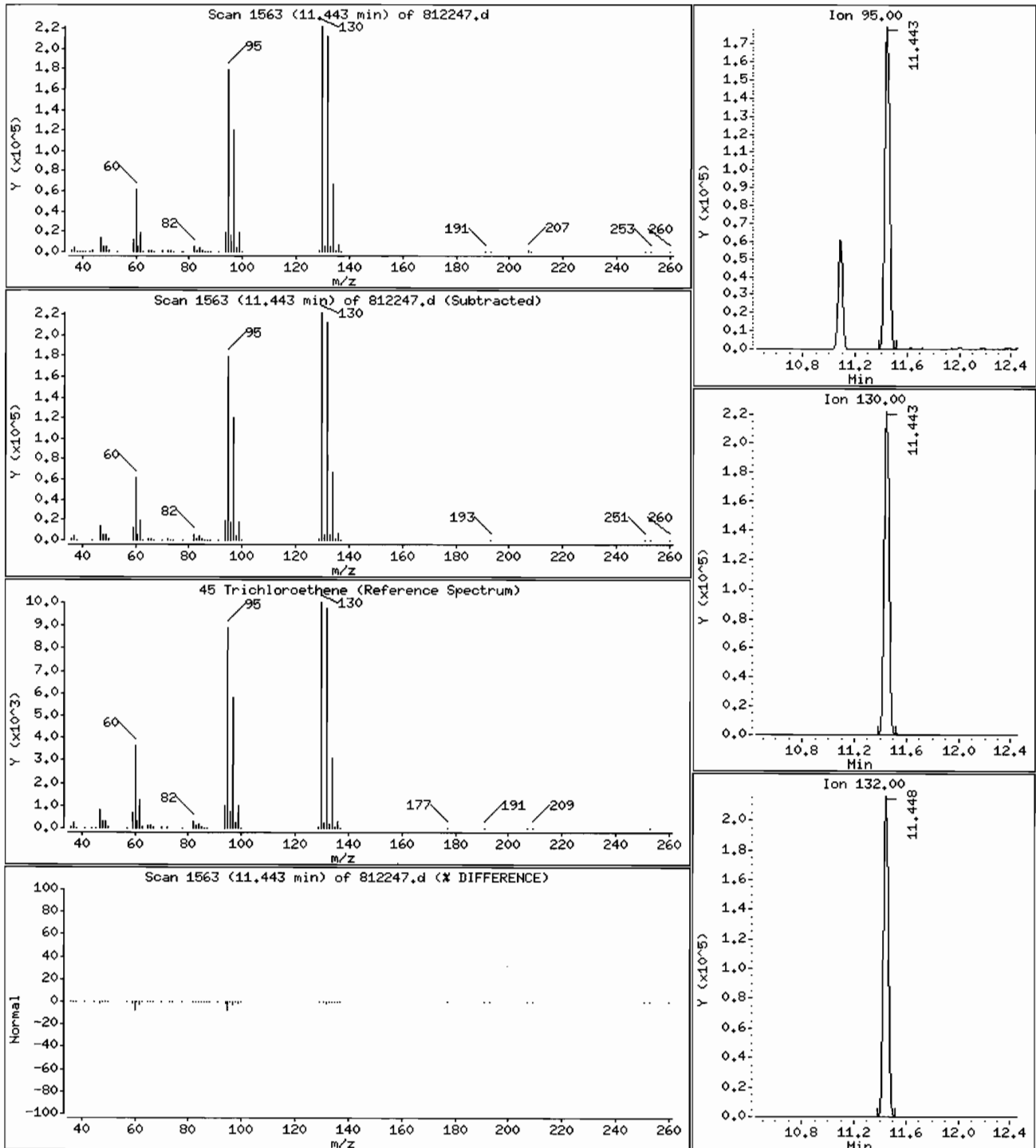
Operator: wrd

Column phase: RTX-624

Column diameter: 0.32

45 Trichloroethene

Concentration: 2.7 ppbv



Data File: /chem/F.i/Fsvr.p/fdgbto15.b/812247.d

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Date : 11-NOV-2009 15:33

Client ID: VS-MRE

Instrument: F.i

Sample Info: VS-MRE :[110/28/09 @1759(AIR)

Purge Volume: 250.0

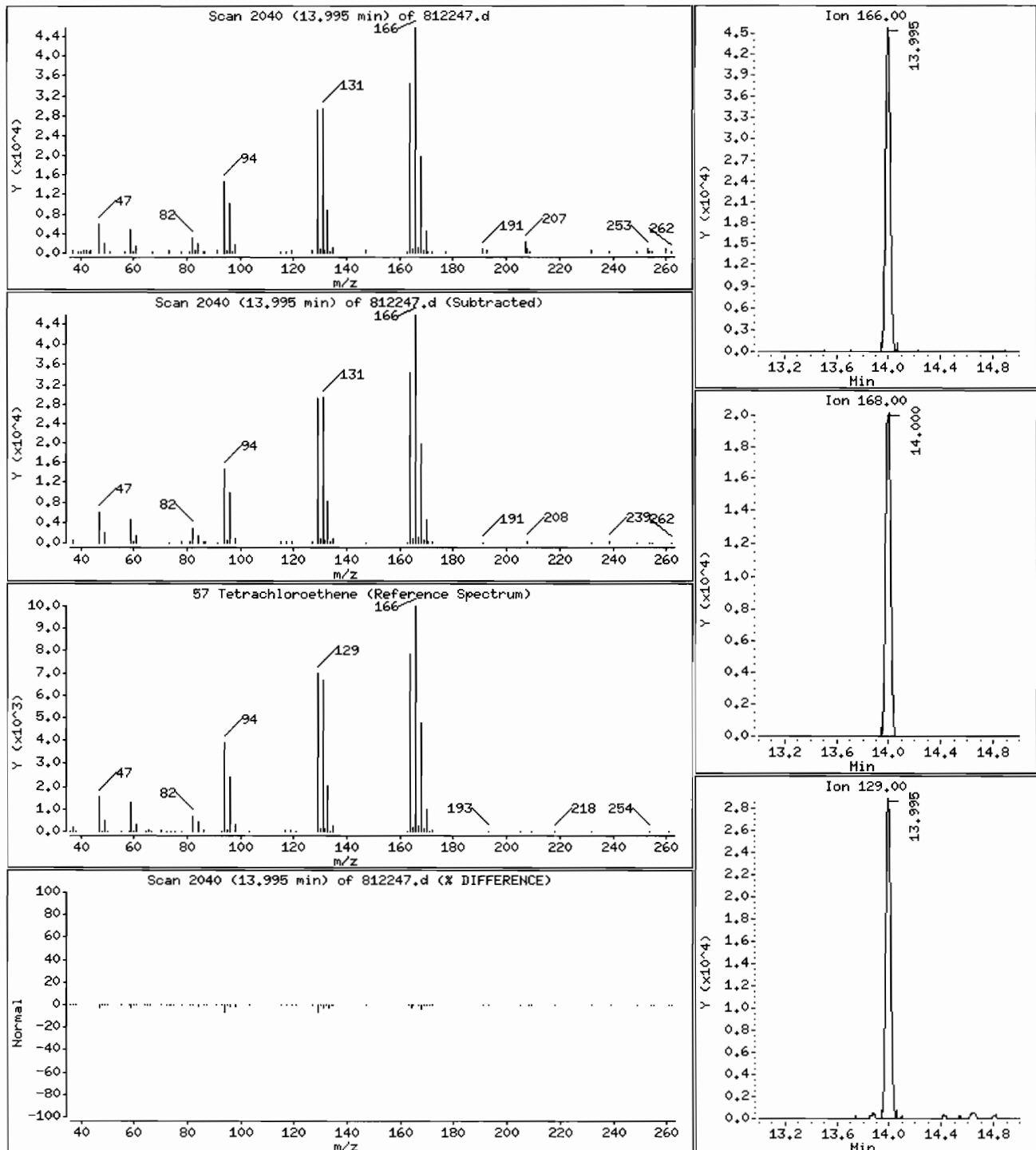
Operator: wrd

Column phase: RTX-624

Column diameter: 0.32

57 Tetrachloroethene

Concentration: 0.37 ppbv



FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

ROUX1 SAMPLE NO.

VS-VAC

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: NY134484

Matrix: (soil/water) AIR Lab Sample ID: 812249

Sample wt/vol: 250.0 (g/mL) ML Lab File ID: 812249

Level: (low/med) LOW Date Received: 10/31/09

% Moisture: not dec. Date Analyzed: 11/11/09

GC Column: RTX-624 ID: 0.32 (mm) Dilution Factor: 0.8

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) PPBV Q

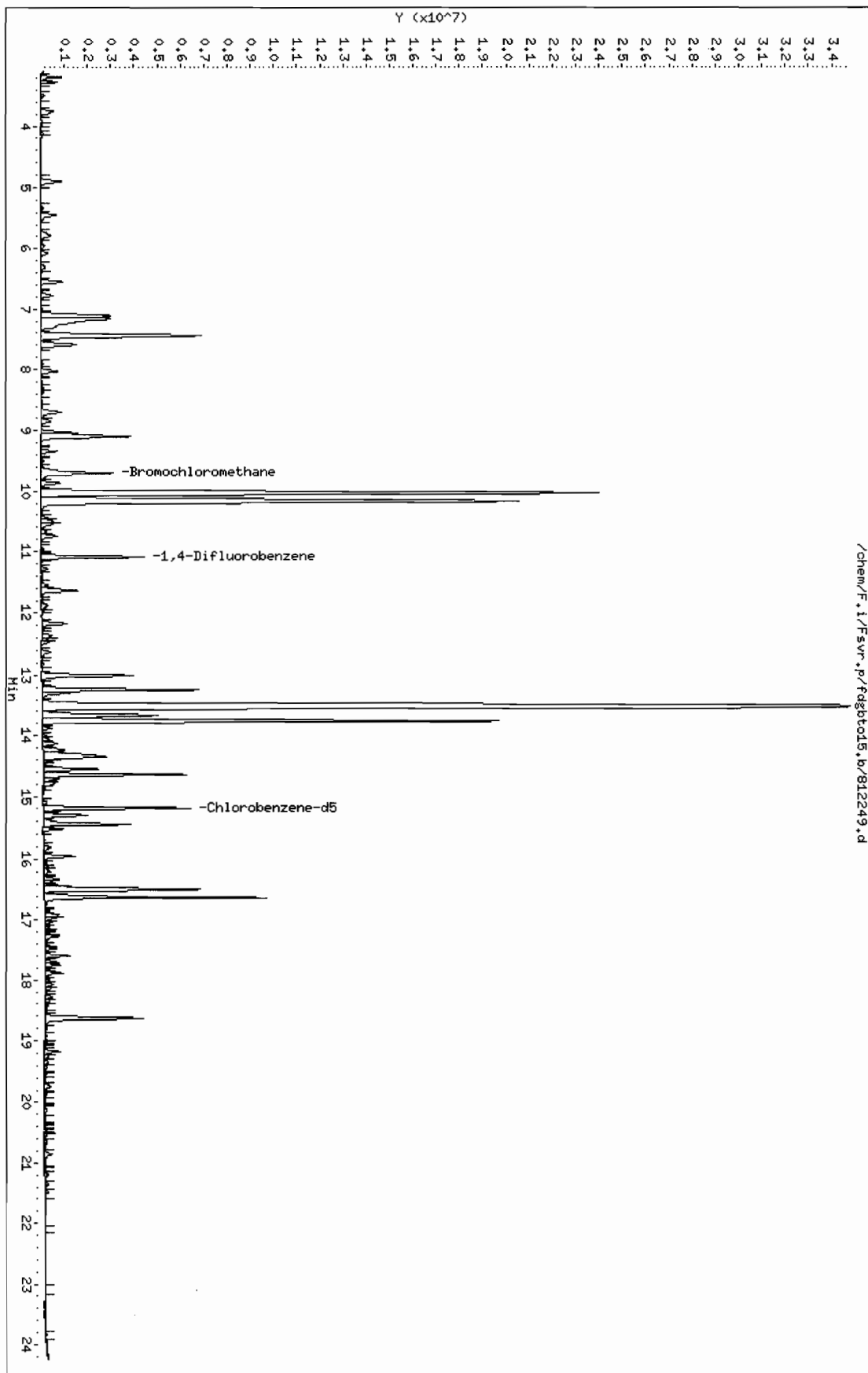
75-01-4-----	Vinyl Chloride	0.16	U
75-35-4-----	1,1-Dichloroethene	0.16	U
156-60-5-----	trans-1,2-Dichloroethene	0.16	U
156-59-2-----	cis-1,2-Dichloroethene	0.16	U
540-59-0-----	1,2-Dichloroethene (total)	0.16	U
79-01-6-----	Trichloroethene	0.16	U
127-18-4-----	Tetrachloroethene	0.35	

FORM I VOA

Data File: /chem/F.i/Fsvr.p/fdgbt015.b/812249.d
Date : 11-NOV-2009 17:14
Client ID: VS-VAC
Sample Info: VS-VAC : I 110/28/09 01806(AIR)
Purge Volume: 250.0
Column phase: RTX-624

Instrument: F.i
Operator: wrd
Column diameter: 0.32

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TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/F.i/Fsvr.p/fdgbto15.b/812249.d
Lab Smp Id: 812249 Client Smp ID: VS-VAC
Inj Date : 11-NOV-2009 17:14
Operator : wrd Inst ID: F.i
Smp Info : VS-VAC :[]10/28/09 @1806(AIR)
Misc Info : 812249;111109FA;0.8;250
Comment :
Method : /chem/F.i/Fsvr.p/fdgbto15.b/sto15.m
Meth Date : 16-Nov-2009 07:19 klp Quant Type: ISTD
Cal Date : 10-NOV-2009 08:32 Cal File: fdg05v2.d
Als bottle: 7
Dil Factor: 0.80000
Integrator: HP RTE Compound Sublist: ROUX1_Ocean.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	0.80000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	250.00000	Sample Volume purged (mL)

Cpnd Variable

Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ppbv)	FINAL (ppbv)
6 Vinyl Chloride	62						
18 1,1-Dichloroethene	96						
27 trans-1,2-Dichloroethene	61						
31 cis-1,2-Dichloroethene	96						
* 32 Bromochloromethane	128	9.699	9.699	(1.000)	1118873	10.0000	
M 40 1,2-Dichloroethene (total)	61						
* 43 1,4-Difluorobenzene	114	11.090	11.090	(1.000)	5437016	10.0000	
45 Trichloroethene	95						
57 Tetrachloroethene	166	13.995	14.000	(0.921)	99320	0.43885	0.35
* 61 Chlorobenzene-d5	117	15.188	15.188	(1.000)	5195241	10.0000	

Data File: /chem/F.i/Fsvr.p/fdgbto15.b/812249.d

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Date : 11-NOV-2009 17:14

Client ID: VS-VAC

Instrument: F.i

Sample Info: VS-VAC ;[110/28/09 @1806(AIR)

Purge Volume: 250.0

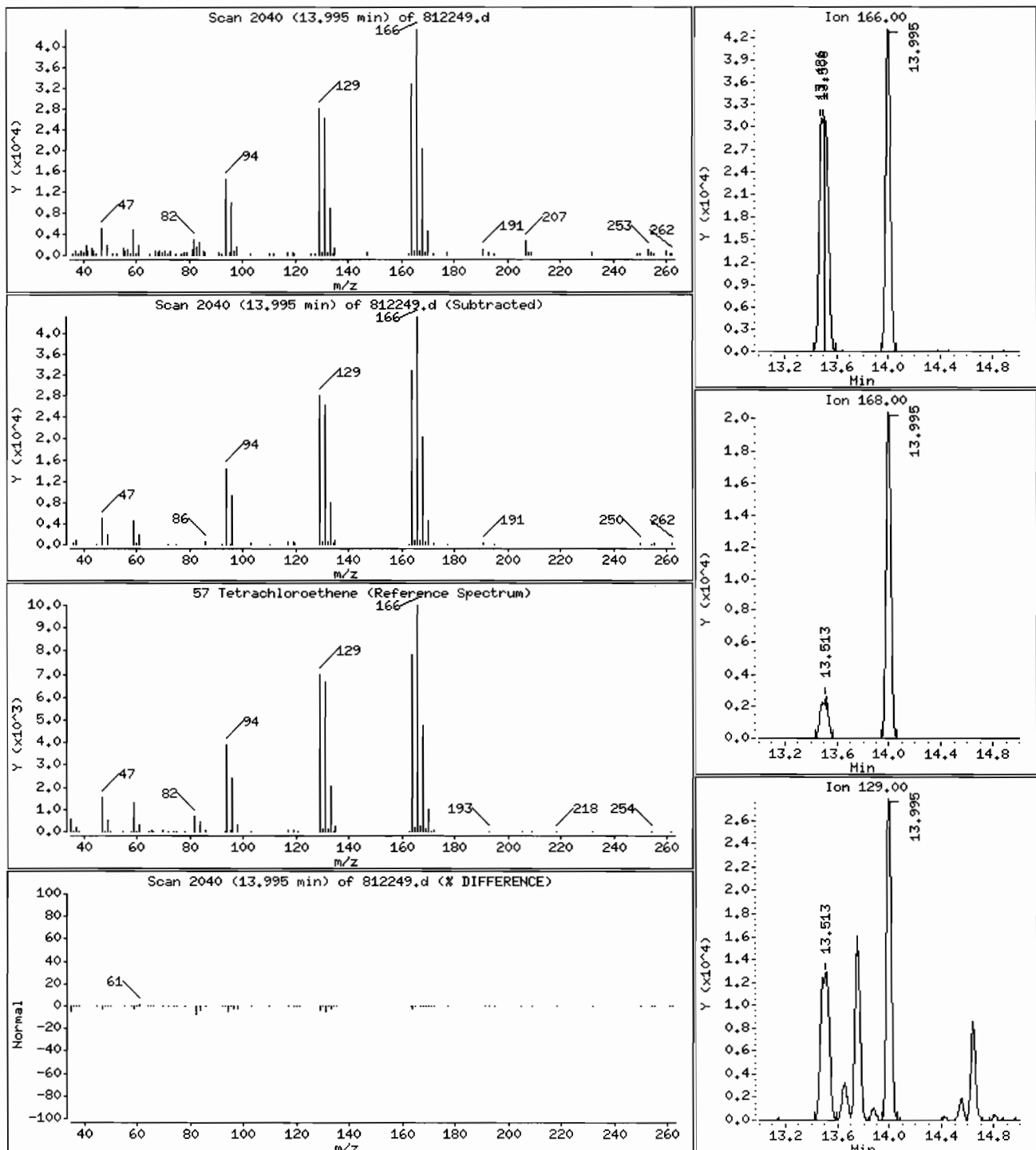
Operator: wrd

Column phase: RTX-624

Column diameter: 0.32

57 Tetrachloroethene

Concentration: 0.35 ppbv





Standards – TO-15 Volatile

Lab Name: TESTAMERICA BURLINGTON		Contract: 29000	
Lab Code: STLV	Case No.: 29000	SAS No.:	SDG No.: NY134484
Instrument ID: F	Calibration Date(s): 11/09/09		11/10/09
Heated Purge: (Y/N) N	Calibration Time(s): 2153		0832
GC Column: RTX-624	ID: 0.32	(mm)	

* Compounds with required minimum RRF and maximim %RSD values.
All other compounds must meet a minimim RRF of 0.010.

Lab Name: TESTAMERICA BURLINGTON		Contract: 29000	
Lab Code: STLV	Case No.: 29000	SAS No.:	SDG No.: NY134484
Instrument ID: F	Calibration Date(s): 11/09/09		11/10/09
Heated Purge: (Y/N) N	Calibration Time(s): 2153		0832
GC Column: RTX-624	ID: 0.32	(mm)	

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

Data File: /chem/F.i/Fsyr.p/fdgt015.b/fdg002v.d

Date : 09-NOV-2009 21:53

Client ID: ASTD0002

Sample Info:

Purge Volume: 200.0

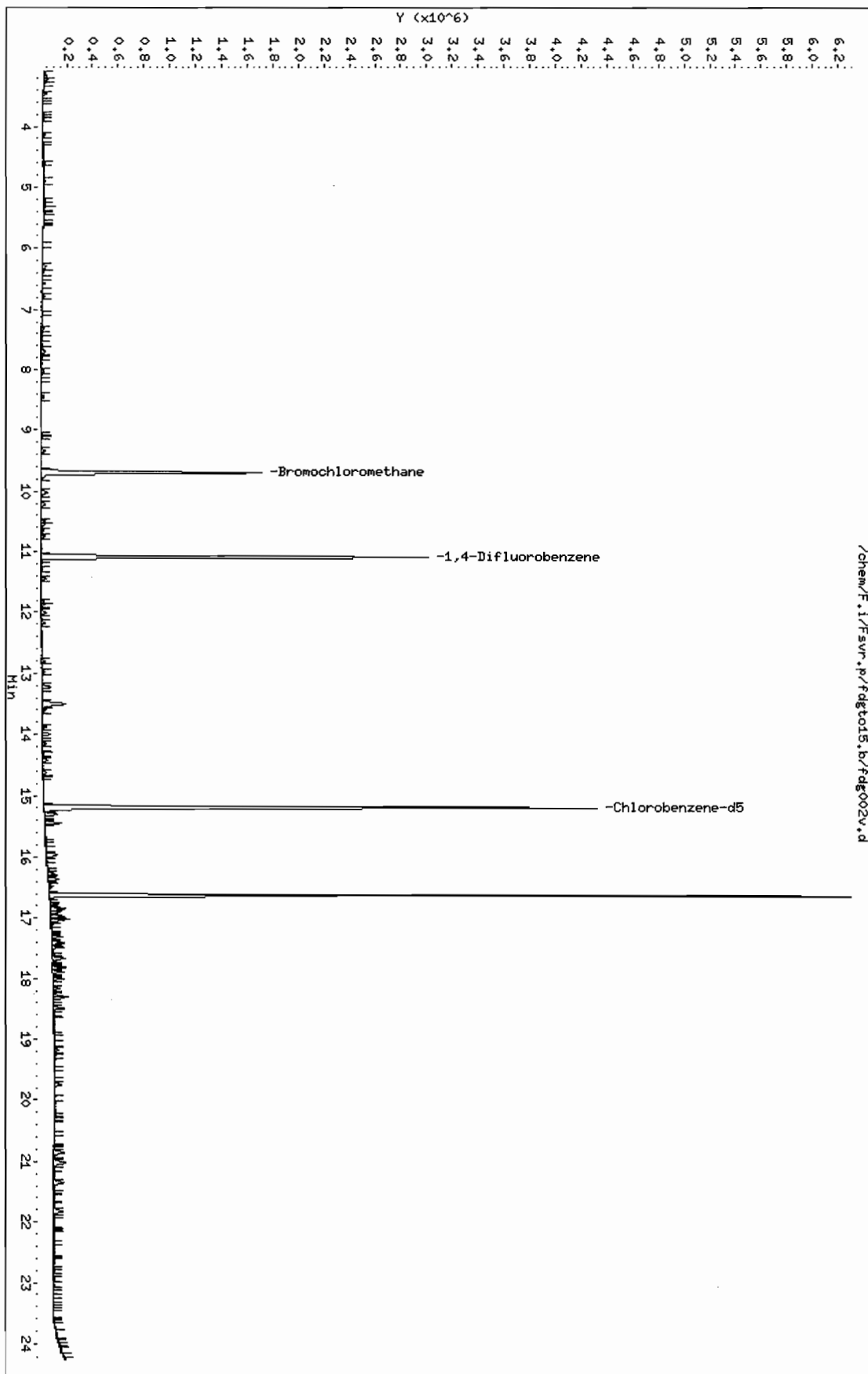
Column phase: RTX-624

Instrument: F.i

Operator: wrd

Column diameter: 0.32

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TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/F.i/Fsvr.p/fdgtol5.b/fdg002v.d
Lab Smp Id: ASTD0002 Client Smp ID: ASTD0002
Inj Date : 09-NOV-2009 21:53
Operator : wrd Inst ID: F.i
Smp Info :
Misc Info : ASTD0002;110909FA;1;200
Comment :
Method : /chem/F.i/Fsvr.p/fdgtol5.b/stol5.m
Meth Date : 11-Nov-2009 18:57 sv Quant Type: ISTD
Cal Date : 09-NOV-2009 21:53 Cal File: fdg002v.d
Als bottle: 2 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all002.sub
Target Version: 3.50
Processing Host: chemsvr6

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

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

Cpnd Variable

Local Compound Variable

Compounds	QUANT SIG				RESPONSE	AMOUNTS	
	MASS	RT	EXP RT	REL RT		CAL-AMT (ppbv)	ON-COL (ppbv)
3 1,2-Dichlorotetrafluoroethane	85	3.461	3.466	(0.357)	19527	0.20000	0.19 (a)
6 Vinyl Chloride	62	3.820	3.825	(0.394)	5924	0.20000	0.19 (a)
9 Bromomethane	94	4.606	4.606	(0.475)	11250	0.20000	0.22
11 Isopentane	43	4.895	4.900	(0.505)	8133	0.20000	0.23
12 Bromoethene	106	5.221	5.226	(0.538)	10887	0.20000	0.20
13 Trichlorofluoromethane	101	5.312	5.317	(0.548)	29623	0.20000	0.19 (a)
15 Ethyl Ether	59	5.922	5.917	(0.611)	6135	0.20000	0.19 (a)
17 Freon TF	101	6.302	6.312	(0.650)	21843	0.20000	0.19 (a)
18 1,1-Dichloroethene	96	6.371	6.382	(0.657)	12247	0.20000	0.22
27 trans-1,2-Dichloroethene	61	7.709	7.714	(0.795)	13257	0.20000	0.19 (a)
29 1,1-Dichloroethane	63	8.447	8.447	(0.871)	16295	0.20000	0.19 (a)
31 cis-1,2-Dichloroethene	96	9.330	9.335	(0.962)	12538	0.20000	0.20
* 32 Bromochloromethane	128	9.699	9.699	(1.000)	779147	10.0000	
34 Chloroform	83	9.769	9.774	(1.007)	23516	0.20000	0.19 (a)
35 1,1,1-Trichloroethane	97	10.020	10.025	(0.904)	27066	0.20000	0.19 (a)

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppbv)	ON-COL (ppbv)
=====	=====	==	=====	=====	=====	=====	=====
36 Cyclohexane	84	10.020	10.025	(0.904)	15703	0.20000	0.20
37 Carbon Tetrachloride	117	10.213	10.218	(0.921)	30595	0.20000	0.19 (a)
38 2,2,4-Trimethylpentane	57	10.491	10.501	(0.946)	41964	0.20000	0.20
39 Benzene	78	10.544	10.549	(0.951)	35039	0.20000	0.21
M 40 1,2-Dichloroethene (total)	61				25795	0.40000	0.39
41 1,2-Dichloroethane	62	10.651	10.656	(0.960)	14212	0.20000	0.19 (a)
42 n-Heptane	43	10.748	10.747	(0.969)	13740	0.20000	0.21
* 43 1,4-Difluorobenzene	114	11.090	11.090	(1.000)	3726680	10.0000	
45 Trichloroethene	95	11.443	11.448	(1.032)	17032	0.20000	0.20
47 1,2-Dichloropropane	63	11.828	11.828	(1.067)	10123	0.20000	0.19 (a)
49 Dibromomethane	174	12.010	12.010	(1.083)	20104	0.20000	0.20
50 Bromodichloromethane	83	12.181	12.181	(1.098)	24551	0.20000	0.19 (a)
51 cis-1,3-Dichloropropene	75	12.807	12.812	(1.155)	18603	0.20000	0.19 (a)
53 n-Octane	43	13.214	13.214	(1.192)	19486	0.20000	0.22
54 Toluene	92	13.235	13.240	(0.871)	28320	0.20000	0.21
55 trans-1,3-Dichloropropene	75	13.599	13.604	(1.226)	19889	0.20000	0.19 (a)
56 1,1,2-Trichloroethane	83	13.882	13.877	(0.914)	12128	0.20000	0.19 (a)
57 Tetrachloroethene	166	13.995	14.000	(0.921)	30184	0.20000	0.20
59 Dibromochloromethane	129	14.423	14.428	(0.950)	30107	0.20000	0.18 (a)
60 1,2-Dibromoethane	107	14.631	14.631	(0.963)	25987	0.20000	0.19 (a)
* 61 Chlorobenzene-d5	117	15.188	15.188	(1.000)	3518709	10.0000	
84 Nonane	57	15.311	15.311	(1.008)	22857	0.20000	0.22
62 Chlorobenzene	112	15.225	15.225	(1.002)	41237	0.20000	0.20
63 Ethylbenzene	91	15.295	15.295	(1.007)	60895	0.20000	0.21
64 Xylene (m,p)	106	15.445	15.444	(1.017)	54712	0.40000	0.43 (a)
65 Xylene (o)	106	15.953	15.953	(1.050)	26802	0.20000	0.21
66 Styrene	104	15.980	15.979	(1.052)	39161	0.20000	0.20
67 Bromoform	173	16.268	16.268	(1.071)	31998	0.20000	0.18 (a)
68 Cumene	105	16.365	16.365	(1.077)	71426	0.20000	0.19 (a)
69 1,1,2,2-Tetrachloroethane	83	16.777	16.777	(1.105)	32735	0.20000	0.20
72 n-Propylbenzene	91	16.841	16.846	(1.109)	83920	0.20000	0.21
74 4-Ethyltoluene	105	16.969	16.969	(1.117)	76676	0.20000	0.20
M 70 Xylene (total)	106				81514	0.20000	0.63
75 1,3,5-Trimethylbenzene	105	17.033	17.033	(1.122)	61682	0.20000	0.20
76 2-Chlorotoluene	91	17.007	17.007	(1.120)	58789	0.20000	0.20
77 a-Methylstyrene	118	17.306	17.306	(1.139)	32770	0.20000	0.19 (a)
78 Tert-Butylbenzene	119	17.408	17.408	(1.146)	63049	0.20000	0.19 (a)
79 1,2,4-Trimethylbenzene	105	17.477	17.477	(1.151)	65297	0.20000	0.20
80 Sec-Butylbenzene	105	17.665	17.665	(1.163)	88426	0.20000	0.20
81 4-Isopropyltoluene	119	17.820	17.820	(1.173)	79590	0.20000	0.19 (a)
82 1,3-Dichlorobenzene	146	17.895	17.889	(1.178)	52800	0.20000	0.20
83 1,4-Dichlorobenzene	146	18.002	18.002	(1.185)	54452	0.20000	0.21
86 Benzyl Chloride	91	18.162	18.162	(1.196)	44650	0.20000	0.17 (a)
87 n-Butylbenzene	91	18.323	18.328	(1.206)	63579	0.20000	0.20
88 1,2-Dichlorobenzene	146	18.489	18.488	(1.217)	51443	0.20000	0.21
90 1,2,4-Trichlorobenzene	180	20.853	20.858	(1.373)	44870	0.20000	0.22 (a)
91 Hexachlorobutadiene	225	21.019	21.024	(1.384)	36129	0.20000	0.21

Compounds	QUANT SIG		RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
	MASS						CAL-AMT (ppbv)	ON-COL (ppbv)
=====	=====	==	=====	=====	=====	=====	=====	=====
93 1,2,3-Trichlorobenzene	180		21.821	21.821	(1.437)	47210	0.20000	0.24

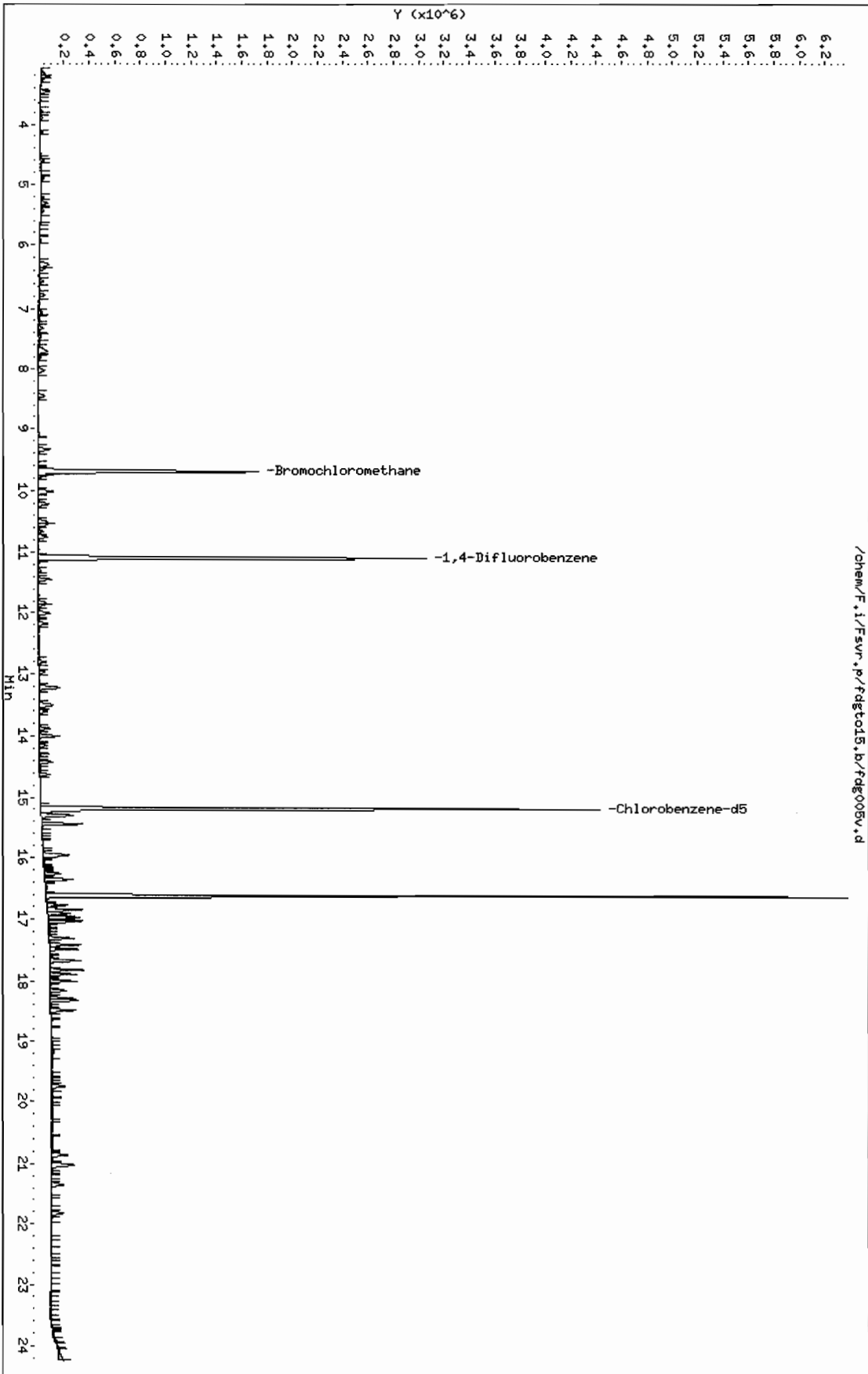
QC Flag Legend

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

Data File: /chem/F.i/Fsvr.p/fdgto15.b/fdg005v.d
Date : 09-NOV-2009 22:44
Client ID: ASTD0005
Sample Info:
Purge Volume: 200.0
Column phase: RTX-624

Instrument: F.i
Operator: wrd
Column diameter: 0.32

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TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/F.i/Fsvr.p/fdgto15.b/fdg005v.d
Lab Smp Id: ASTD0005 Client Smp ID: ASTD0005
Inj Date : 09-NOV-2009 22:44
Operator : wrd Inst ID: F.i
Smp Info :
Misc Info : ASTD0005;110909FA;1;200
Comment :
Method : /chem/F.i/Fsvr.p/fdgto15.b/sto15.m
Meth Date : 11-Nov-2009 18:57 sv Quant Type: ISTD
Cal Date : 09-NOV-2009 22:44 Cal File: fdg005v.d
Als bottle: 3 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all005.sub
Target Version: 3.50
Processing Host: chemsvr6

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

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

Cpnd Variable

Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
						CAL-AMT (ppbv)	ON-COL (ppbv)
1 Dichlorodifluoromethane	85	3.231	3.236	(0.333)	49433	0.50000	0.50
2 Freon-22	51	3.269	3.274	(0.337)	20290	0.50000	0.49 (a)
3 1,2-Dichlorotetrafluoroethane	85	3.461	3.466	(0.357)	50946	0.50000	0.50
4 Chloromethane	50	3.600	3.600	(0.371)	11351	0.50000	0.52
5 n-Butane	43	3.782	3.787	(0.390)	19287	0.50000	0.53
6 Vinyl Chloride	62	3.830	3.825	(0.395)	15166	0.50000	0.48
7 1,3-Butadiene	54	3.900	3.900	(0.402)	10547	0.50000	0.47 (a)
9 Bromomethane	94	4.601	4.606	(0.474)	25112	0.50000	0.49
10 Chloroethane	64	4.820	4.831	(0.497)	10935	0.50000	0.51
11 Isopentane	43	4.895	4.900	(0.505)	18003	0.50000	0.50
12 Bromoethene	106	5.221	5.226	(0.538)	27517	0.50000	0.50
13 Trichlorofluoromethane	101	5.318	5.317	(0.548)	77600	0.50000	0.49
14 Pentane	43	5.441	5.446	(0.561)	27356	0.50000	0.52
15 Ethyl Ether	59	5.928	5.917	(0.611)	16036	0.50000	0.49
17 Freon TF	101	6.307	6.312	(0.650)	56253	0.50000	0.49

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
						CAL-AMT (ppbv)	ON-COL (ppbv)
18 1,1-Dichloroethene	96	6.377	6.382	(0.657)	26444	0.50000	0.47
21 Carbon Disulfide	76	6.789	6.794	(0.700)	72219	0.50000	0.48 (a)
22 3-Chloropropene	41	7.062	7.067	(0.728)	21887	0.50000	0.50
24 Methylene Chloride	49	7.318	7.324	(0.755)	24522	0.50000	0.56
26 Methyl tert-Butyl Ether	73	7.672	7.666	(0.791)	76983	0.50000	0.49 (a)
27 trans-1,2-Dichloroethene	61	7.709	7.714	(0.795)	33978	0.50000	0.49
28 n-Hexane	57	8.025	8.030	(0.827)	36374	0.50000	0.52
29 1,1-Dichloroethane	63	8.447	8.447	(0.871)	42765	0.50000	0.50
30 Methyl Ethyl Ketone	72	9.346	9.346	(0.964)	15715	0.50000	0.60 (Q)
31 cis-1,2-Dichloroethene	96	9.330	9.335	(0.962)	31780	0.50000	0.51
* 32 Bromochloromethane	128	9.699	9.699	(1.000)	780158	10.0000	
34 Chloroform	83	9.769	9.774	(1.007)	59728	0.50000	0.49
35 1,1,1-Trichloroethane	97	10.020	10.025	(0.904)	68743	0.50000	0.49
36 Cyclohexane	84	10.025	10.025	(0.904)	39399	0.50000	0.50
37 Carbon Tetrachloride	117	10.218	10.218	(0.921)	78108	0.50000	0.48
38 2,2,4-Trimethylpentane	57	10.502	10.501	(0.947)	106754	0.50000	0.50
39 Benzene	78	10.550	10.549	(0.951)	85288	0.50000	0.50
M 40 1,2-Dichloroethene (total)	61				65758	1.00000	1.0
41 1,2-Dichloroethane	62	10.657	10.656	(0.961)	36286	0.50000	0.49
42 n-Heptane	43	10.742	10.747	(0.969)	35250	0.50000	0.53
* 43 1,4-Difluorobenzene	114	11.090	11.090	(1.000)	3755383	10.0000	
45 Trichloroethene	95	11.448	11.448	(1.032)	42854	0.50000	0.49
46 Methyl Methacrylate	69	11.871	11.871	(1.070)	27760	0.50000	0.48 (aQ)
47 1,2-Dichloropropane	63	11.828	11.828	(1.067)	27232	0.50000	0.51
49 Dibromomethane	174	12.010	12.010	(1.083)	49269	0.50000	0.48
50 Bromodichloromethane	83	12.181	12.181	(1.098)	63169	0.50000	0.48
51 cis-1,3-Dichloropropene	75	12.807	12.812	(1.155)	47557	0.50000	0.48
52 Methyl Isobutyl Ketone	43	12.978	12.973	(1.170)	45478	0.50000	0.51
53 n-Octane	43	13.214	13.214	(1.192)	48154	0.50000	0.53
54 Toluene	92	13.235	13.240	(0.871)	68947	0.50000	0.50
55 trans-1,3-Dichloropropene	75	13.604	13.604	(1.227)	49842	0.50000	0.47
56 1,1,2-Trichloroethane	83	13.872	13.877	(0.913)	32125	0.50000	0.51
57 Tetrachloroethene	166	14.000	14.000	(0.922)	74818	0.50000	0.48
58 Methyl Butyl Ketone	43	14.150	14.150	(0.932)	41927	0.50000	0.49 (a)
59 Dibromochloromethane	129	14.423	14.428	(0.950)	74577	0.50000	0.45
60 1,2-Dibromoethane	107	14.631	14.631	(0.963)	67053	0.50000	0.49
* 61 Chlorobenzene-d5	117	15.188	15.188	(1.000)	3546630	10.0000	
84 Nonane	57	15.311	15.311	(1.008)	54532	0.50000	0.53
62 Chlorobenzene	112	15.225	15.225	(1.002)	104205	0.50000	0.49
63 Ethylbenzene	91	15.295	15.295	(1.007)	152908	0.50000	0.51
64 Xylene (m,p)	106	15.439	15.444	(1.017)	130256	1.00000	1.0
65 Xylene (o)	106	15.953	15.953	(1.050)	64110	0.50000	0.49
66 Styrene	104	15.980	15.979	(1.052)	96985	0.50000	0.49
67 Bromoform	173	16.268	16.268	(1.071)	79371	0.50000	0.44
68 Cumene	105	16.365	16.365	(1.077)	185070	0.50000	0.50
69 1,1,2,2-Tetrachloroethane	83	16.777	16.777	(1.105)	80884	0.50000	0.50
71 n-Decane	57	16.905	16.910	(1.113)	67266	0.50000	0.50

					AMOUNTS		
QUANT SIG						CAL-AMT	ON-COL
Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ppbv)	(ppbv)
=====	====	==	=====	=====	=====	=====	=====
72 n-Propylbenzene	91	16.841	16.846	(1.109)	205367	0.50000	0.50
73 1,2,3-Trichloropropane	75	16.862	16.862	(1.110)	63220	0.50000	0.51
74 4-Ethyltoluene	105	16.969	16.969	(1.117)	188227	0.50000	0.49
M 70 Xylene (total)	106				194366	0.50000	1.5
75 1,3,5-Trimethylbenzene	105	17.034	17.033	(1.122)	157267	0.50000	0.50
76 2-Chlorotoluene	91	17.007	17.007	(1.120)	145067	0.50000	0.49 (M)
77 a-Methylstyrene	118	17.306	17.306	(1.139)	80383	0.50000	0.46
78 Tert-Butylbenzene	119	17.408	17.408	(1.146)	161096	0.50000	0.49
79 1,2,4-Trimethylbenzene	105	17.478	17.477	(1.151)	157375	0.50000	0.48
80 Sec-Butylbenzene	105	17.665	17.665	(1.163)	223869	0.50000	0.50
81 4-Isopropyltoluene	119	17.820	17.820	(1.173)	200068	0.50000	0.48
82 1,3-Dichlorobenzene	146	17.889	17.889	(1.178)	123666	0.50000	0.47
83 1,4-Dichlorobenzene	146	18.002	18.002	(1.185)	121818	0.50000	0.46
86 Benzyl Chloride	91	18.162	18.162	(1.196)	113528	0.50000	0.43
87 n-Butylbenzene	91	18.323	18.328	(1.206)	155792	0.50000	0.48
88 1,2-Dichlorobenzene	146	18.489	18.488	(1.217)	115109	0.50000	0.46
90 1,2,4-Trichlorobenzene	180	20.859	20.858	(1.373)	69373	0.50000	0.34 (a)
91 Hexachlorobutadiene	225	21.019	21.024	(1.384)	71355	0.50000	0.40
92 Naphthalene	128	21.345	21.351	(1.405)	145447	0.50000	0.36 (a)
93 1,2,3-Trichlorobenzene	180	21.827	21.821	(1.437)	60032	0.50000	0.30

QC Flag Legend

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

MANUAL INTEGRATION REPORT

Data File Name: fdg005v.d

Inj. Date and Time: 09-NOV-2009 22:44

Target Version: Target 3.50

Client Sample ID: ASTD0005

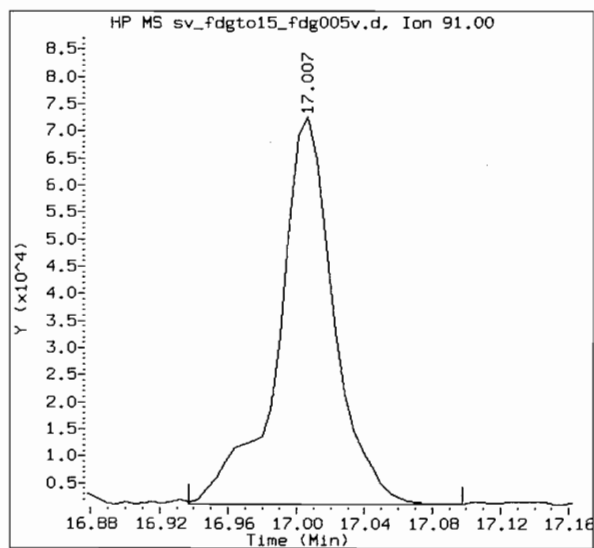
Instrument ID: F.i

Report Version: 1.1

Compound Name: 2-Chlorotoluene

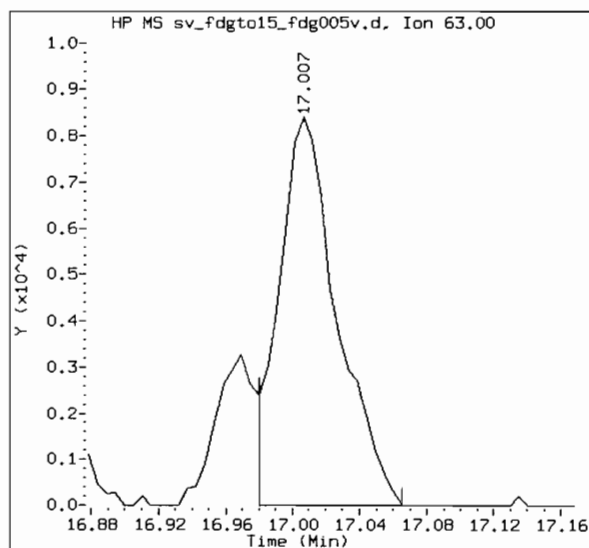
CAS #: 95-49-8

Report Date: 11/11/2009 18:57

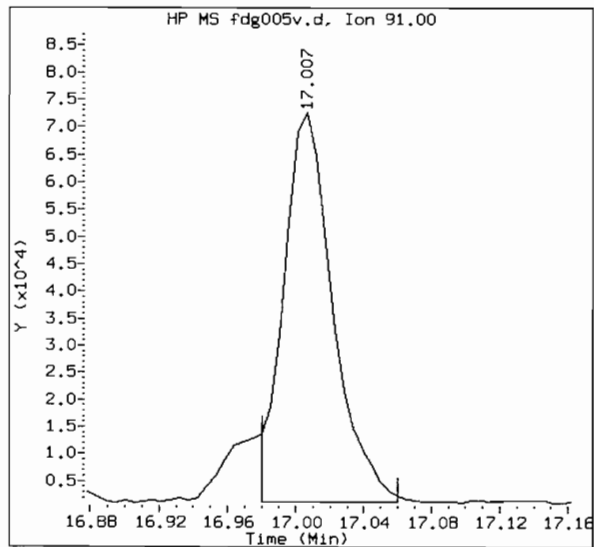


Original Integrations:

Area = 161691



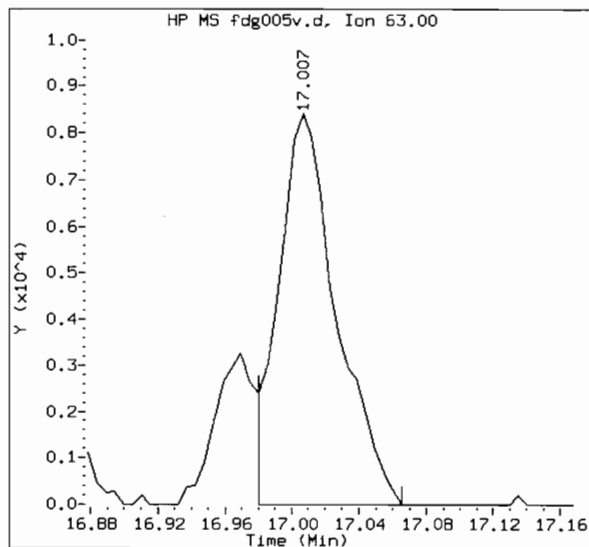
Area = 20733



Final Integrations:

Area = 145067

Manual Integration Reason: M11 - Poor automated baseline

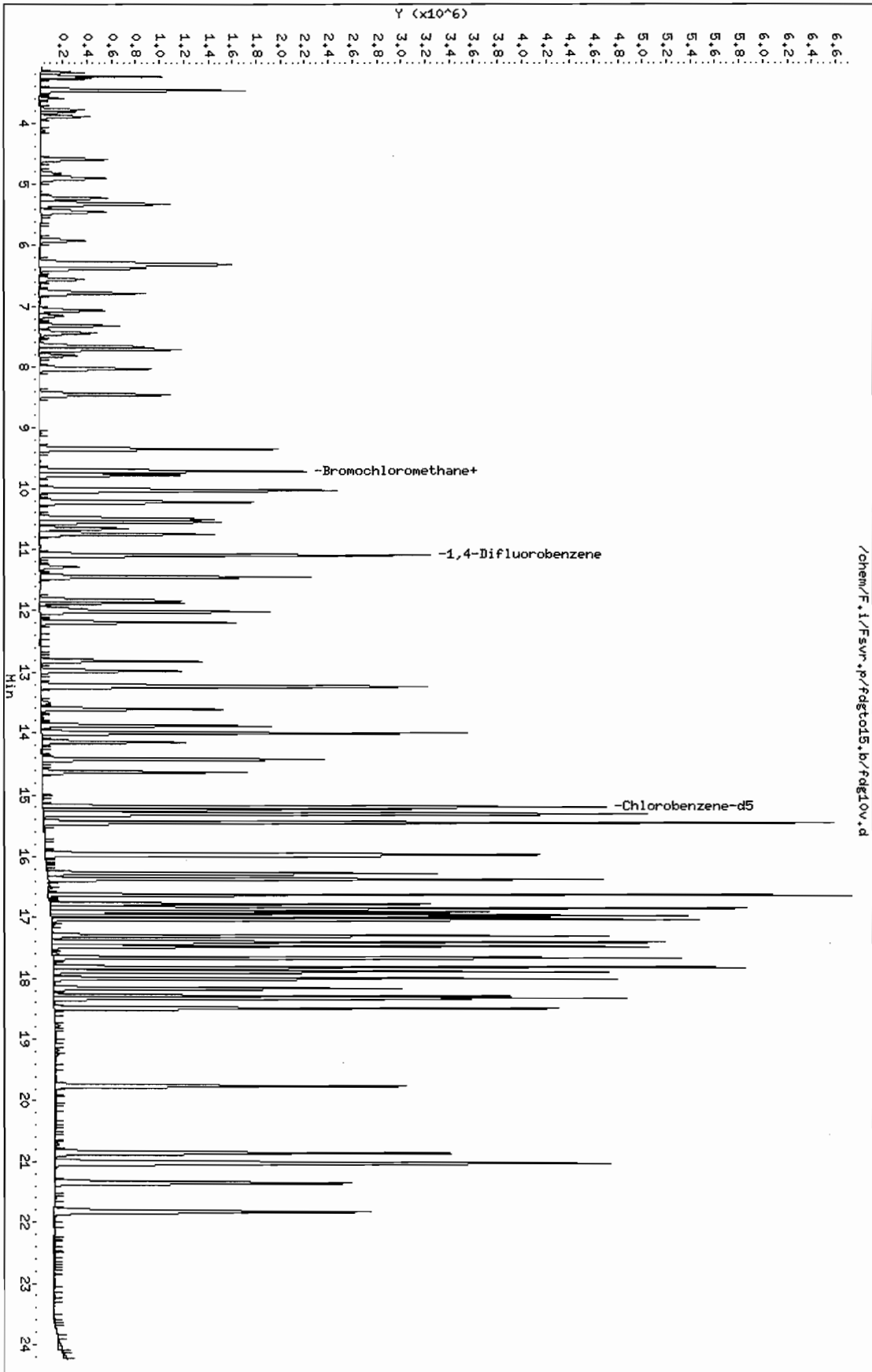


Area = 20733

Data File: /chem/F.1/Fsivr.p/Fdgto15.b/Fdg10v.d
Date: 10-NOV-2009 00:27
Client ID: ASTD010
Sample Info:
Purge Volume: 200.0
Column Phase: RTX-624

Instrument: F.i
Operator: wrd
Column diameter: 0.32

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/chem/F.1/Fsivr.p/Fdgto15.b/Fdg10v.d

Data File: /chem/F.i/Fsvr.p/fdgtol5.b/fdg10v.d
Report Date: 11-Nov-2009 18:57

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TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/F.i/Fsvr.p/fdgtol5.b/fdg10v.d
Lab Smp Id: ASTD010 Client Smp ID: ASTD010
Inj Date : 10-NOV-2009 00:27
Operator : wrd Inst ID: F.i
Smp Info :
Misc Info : ASTD010;110909FA;1;200
Comment :
Method : /chem/F.i/Fsvr.p/fdgtol5.b/stol5.m
Meth Date : 11-Nov-2009 18:57 sv Quant Type: ISTD
Cal Date : 10-NOV-2009 00:27 Cal File: fdg10v.d
Als bottle: 5 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

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

Cpnd Variable

Local Compound Variable

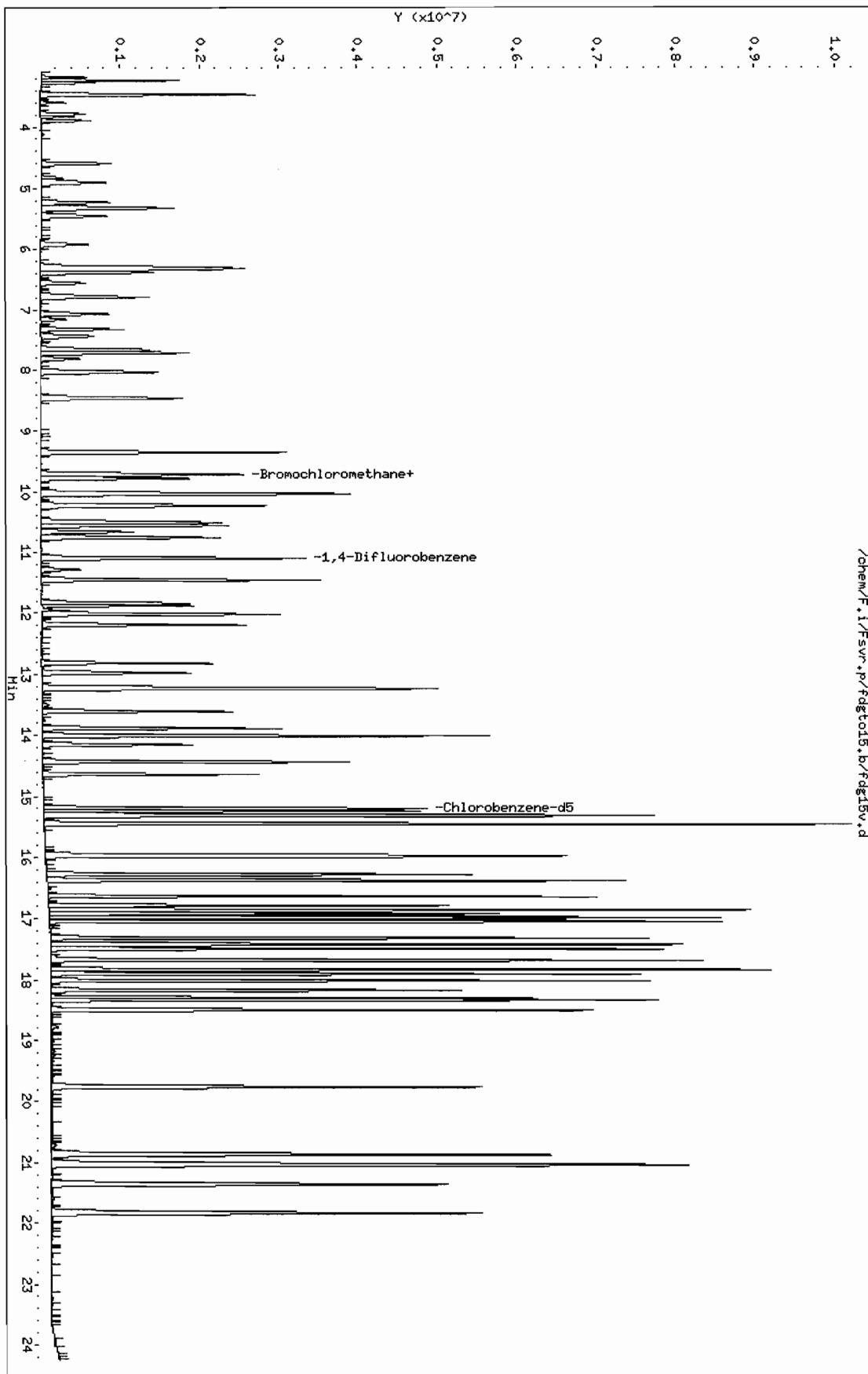
Compounds	QUANT SIG						AMOUNTS	
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppbv)	ON-COL (ppbv)
1 Dichlorodifluoromethane	85		3.236	3.236	(0.334)	955656	10.0000	9.2
2 Freon-22	51		3.274	3.274	(0.338)	433651	10.0000	9.8
3 1,2-Dichlorotetrafluoroethane	85		3.466	3.466	(0.357)	1080021	10.0000	9.9
4 Chloromethane	50		3.600	3.600	(0.371)	221626	10.0000	9.6
5 n-Butane	43		3.787	3.787	(0.390)	377639	10.0000	9.8
8 Methanol	31		Compound Not Detected.					
6 Vinyl Chloride	62		3.825	3.825	(0.394)	339433	10.0000	10
7 1,3-Butadiene	54		3.900	3.900	(0.402)	240112	10.0000	10
9 Bromomethane	94		4.606	4.606	(0.475)	525959	10.0000	9.7
10 Chloroethane	64		4.831	4.831	(0.498)	224247	10.0000	9.9
11 Isopentane	43		4.900	4.900	(0.505)	368197	10.0000	9.6
12 Bromoethene	106		5.226	5.226	(0.539)	592401	10.0000	10
13 Trichlorofluoromethane	101		5.317	5.317	(0.548)	1692088	10.0000	10
14 Pentane	43		5.446	5.446	(0.561)	550036	10.0000	9.9
15 Ethyl Ether	59		5.917	5.917	(0.610)	350403	10.0000	10

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
						CAL-AMT (ppbv)	ON-COL (ppbv)
*****	****	==	*****	*****	*****	*****	*****
16 Acrolein	56	6.286	6.286	(0.648)	162065	10.0000	9.1
17 Freon TF	101	6.312	6.312	(0.651)	1237641	10.0000	10
18 1,1-Dichloroethene	96	6.382	6.382	(0.658)	582259	10.0000	9.8
19 Acetone	43	6.559	6.559	(0.676)	628669	10.0000	9.9
20 Isopropyl Alcohol	45	6.757	6.757	(0.697)	504068	10.0000	11
21 Carbon Disulfide	76	6.794	6.794	(0.700)	1588103	10.0000	10
22 3-Chloropropene	41	7.067	7.067	(0.729)	457792	10.0000	9.9
23 Acetonitrile	41	7.158	7.158	(0.738)	274881	10.0000	10
24 Methylene Chloride	49	7.324	7.324	(0.755)	445057	10.0000	9.6
25 tert-Butyl Alcohol	59	7.441	7.441	(0.767)	943994	10.0000	11
26 Methyl tert-Butyl Ether	73	7.666	7.666	(0.790)	1647193	10.0000	10
27 trans-1,2-Dichloroethene	61	7.714	7.714	(0.795)	738088	10.0000	10
28 n-Hexane	57	8.030	8.030	(0.828)	732177	10.0000	10
29 1,1-Dichloroethane	63	8.447	8.447	(0.871)	917090	10.0000	10
30 Methyl Ethyl Ketone	72	9.346	9.346	(0.964)	273411	10.0000	9.8
31 cis-1,2-Dichloroethene	96	9.335	9.335	(0.962)	664916	10.0000	10
* 32 Bromochloromethane	128	9.699	9.699	(1.000)	827736	10.0000	
33 Tetrahydrofuran	42	9.715	9.715	(0.876)	410534	10.0000	10
34 Chloroform	83	9.774	9.774	(1.008)	1295584	10.0000	10
35 1,1,1-Trichloroethane	97	10.025	10.025	(0.904)	1507034	10.0000	10
36 Cyclohexane	84	10.025	10.025	(0.904)	844327	10.0000	10
37 Carbon Tetrachloride	117	10.218	10.218	(0.921)	1745256	10.0000	10
38 2,2,4-Trimethylpentane	57	10.501	10.501	(0.947)	2279767	10.0000	10
39 Benzene	78	10.549	10.549	(0.951)	1765024	10.0000	9.9
M 40 1,2-Dichloroethene (total)	61				1403004	20.0000	20
41 1,2-Dichloroethane	62	10.656	10.656	(0.961)	778879	10.0000	10
42 n-Heptane	43	10.747	10.747	(0.969)	701053	10.0000	9.9
* 43 1,4-Difluorobenzene	114	11.090	11.090	(1.000)	3951024	10.0000	
44 1-Butanol	56	11.282	11.282	(1.017)	271080	10.0000	11
45 Trichloroethene	95	11.448	11.448	(1.032)	930582	10.0000	10
46 Methyl Methacrylate	69	11.871	11.871	(1.070)	623783	10.0000	10
47 1,2-Dichloropropane	63	11.828	11.828	(1.067)	564892	10.0000	10
48 1,4-Dioxane	88	11.962	11.962	(1.079)	307791	10.0000	11
49 Dibromomethane	174	12.010	12.010	(1.083)	1104456	10.0000	10
50 Bromodichloromethane	83	12.181	12.181	(1.098)	1431856	10.0000	10
51 cis-1,3-Dichloropropene	75	12.812	12.812	(1.155)	1054005	10.0000	10
52 Methyl Isobutyl Ketone	43	12.973	12.973	(1.170)	939655	10.0000	10
53 n-Octane	43	13.214	13.214	(1.192)	965331	10.0000	10
54 Toluene	92	13.240	13.240	(0.872)	1447689	10.0000	10
55 trans-1,3-Dichloropropene	75	13.604	13.604	(1.227)	1136632	10.0000	10
56 1,1,2-Trichloroethane	83	13.877	13.877	(0.914)	674316	10.0000	10
57 Tetrachloroethene	166	14.000	14.000	(0.922)	1659272	10.0000	10
58 Methyl Butyl Ketone	43	14.150	14.150	(0.932)	922221	10.0000	10
59 Dibromochloromethane	129	14.428	14.428	(0.950)	1795204	10.0000	10
60 1,2-Dibromoethane	107	14.631	14.631	(0.963)	1473918	10.0000	10
* 61 Chlorobenzene-d5	117	15.188	15.188	(1.000)	3726579	10.0000	
84 Nonane	57	15.311	15.311	(1.008)	1093970	10.0000	10

Compounds	QUANT SIG				RESPONSE	AMOUNTS	
	MASS	RT	EXP RT	REL RT		CAL-AMT (ppbv)	ON-COL (ppbv)
=====	=====	==	=====	=====	=====	=====	=====
62 Chlorobenzene	112	15.225	15.225	(1.002)	2247829	10.0000	10
63 Ethylbenzene	91	15.295	15.295	(1.007)	3171673	10.0000	10
64 Xylene (m,p)	106	15.444	15.444	(1.017)	2742398	20.0000	20
65 Xylene (o)	106	15.953	15.953	(1.050)	1376444	10.0000	10
66 Styrene	104	15.979	15.979	(1.052)	2158901	10.0000	10
67 Bromoform	173	16.268	16.268	(1.071)	1962220	10.0000	10
68 Cumene	105	16.365	16.365	(1.077)	3954138	10.0000	10
69 1,1,2,2-Tetrachloroethane	83	16.777	16.777	(1.105)	1717761	10.0000	10
71 n-Decane	57	16.910	16.910	(1.113)	1444969	10.0000	10
72 n-Propylbenzene	91	16.846	16.846	(1.109)	4352642	10.0000	10
73 1,2,3-Trichloropropane	75	16.862	16.862	(1.110)	1335838	10.0000	10
74 4-Ethyltoluene	105	16.969	16.969	(1.117)	4047655	10.0000	10
M 70 Xylene (total)	106				4118842	10.0000	30
75 1,3,5-Trimethylbenzene	105	17.033	17.033	(1.122)	3379531	10.0000	10
76 2-Chlorotoluene	91	17.007	17.007	(1.120)	3194784	10.0000	10
77 a-Methylstyrene	118	17.306	17.306	(1.139)	1881983	10.0000	10
78 Tert-Butylbenzene	119	17.408	17.408	(1.146)	3514522	10.0000	10
79 1,2,4-Trimethylbenzene	105	17.477	17.477	(1.151)	3418554	10.0000	10
80 Sec-Butylbenzene	105	17.665	17.665	(1.163)	4802748	10.0000	10
81 4-Isopropyltoluene	119	17.820	17.820	(1.173)	4475689	10.0000	10
82 1,3-Dichlorobenzene	146	17.889	17.889	(1.178)	2752549	10.0000	10
83 1,4-Dichlorobenzene	146	18.002	18.002	(1.185)	2744506	10.0000	10
86 Benzyl Chloride	91	18.162	18.162	(1.196)	2676406	10.0000	9.8
85 n-Undecane	57	18.285	18.285	(1.204)	1598847	10.0000	9.9
87 n-Butylbenzene	91	18.328	18.328	(1.207)	3457769	10.0000	10
88 1,2-Dichlorobenzene	146	18.488	18.488	(1.217)	2619432	10.0000	10
89 n-Dodecane	57	19.751	19.751	(1.300)	1425189	10.0000	8.8
90 1,2,4-Trichlorobenzene	180	20.858	20.858	(1.373)	2034805	10.0000	9.4
91 Hexachlorobutadiene	225	21.024	21.024	(1.384)	1835113	10.0000	9.9
92 Naphthalene	128	21.351	21.351	(1.406)	3866204	10.0000	9.0
93 1,2,3-Trichlorobenzene	180	21.821	21.821	(1.437)	1808738	10.0000	8.6

Data File: /chem/F.i/Fsvr.p/fdgtd15.b/fdg15v.d
Date: 10-NOV-2009 01:19
Client ID: ASTD015
Sample Info:
Purge Volume: 200.0
Column phase: RTX-624

Instrument: F.i
Operator: und
Column diameter: 0.32



TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/F.i/Fsvr.p/fdgto15.b/fdg15v.d
Lab Smp Id: ASTD015 Client Smp ID: ASTD015
Inj Date : 10-NOV-2009 01:19
Operator : wrd Inst ID: F.i
Smp Info :
Misc Info : ASTD015;110909FA;1;200
Comment :
Method : /chem/F.i/Fsvr.p/fdgto15.b/sto15.m
Meth Date : 11-Nov-2009 18:57 sv Quant Type: ISTD
Cal Date : 10-NOV-2009 01:19 Cal File: fdg15v.d
Als bottle: 6 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

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

Cpnd Variable

Local Compound Variable

Compounds	QUANT SIG						AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE		CAL-AMT (ppbv)	ON-COL (ppbv)
1 Dichlorodifluoromethane	85	3.231	3.236	(0.333)	1676114		15.0000	16
2 Freon-22	51	3.269	3.274	(0.337)	695731		15.0000	15
3 1,2-Dichlorotetrafluoroethane	85	3.461	3.466	(0.357)	1722089		15.0000	15
4 Chloromethane	50	3.595	3.600	(0.371)	355018		15.0000	15
5 n-Butane	43	3.782	3.787	(0.390)	584133		15.0000	15
8 Methanol	31	Compound Not Detected.						
6 Vinyl Chloride	62	3.825	3.825	(0.394)	518380		15.0000	15
7 1,3-Butadiene	54	3.894	3.900	(0.402)	369771		15.0000	15
9 Bromomethane	94	4.601	4.606	(0.474)	821862		15.0000	15
10 Chloroethane	64	4.825	4.831	(0.498)	349081		15.0000	15
11 Isopentane	43	4.906	4.900	(0.506)	565156		15.0000	14
12 Bromoethene	106	5.221	5.226	(0.538)	926458		15.0000	15
13 Trichlorofluoromethane	101	5.317	5.317	(0.548)	2639961		15.0000	15
14 Pentane	43	5.446	5.446	(0.561)	834549		15.0000	15
15 Ethyl Ether	59	5.917	5.917	(0.610)	557575		15.0000	16

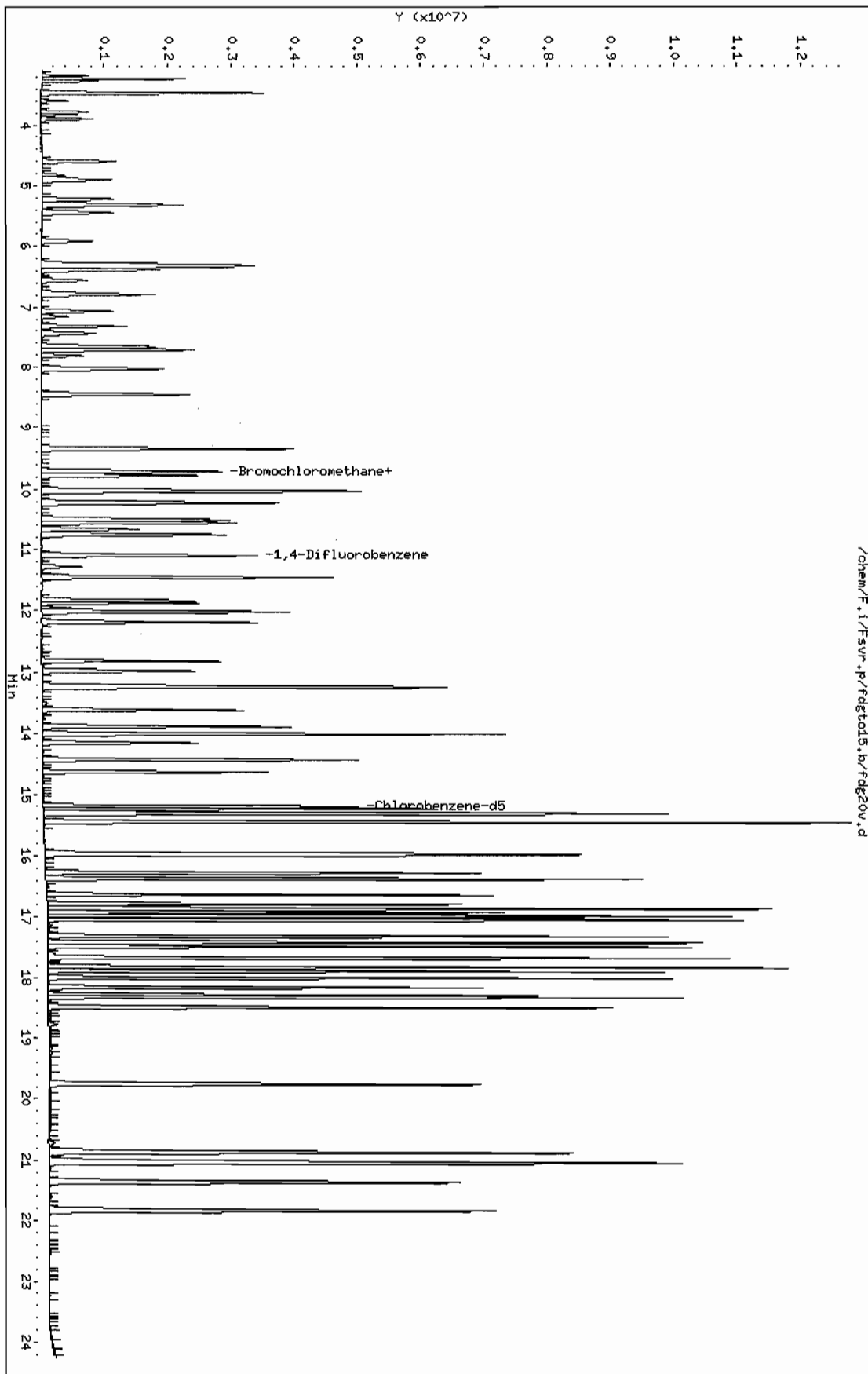
Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppbv)	ON-COL (ppbv)
*****	=====	==	=====	=====	=====	=====	=====
16 Acrolein	56	6.286	6.286	(0.648)	288862	15.0000	16
17 Freon TF	101	6.307	6.312	(0.650)	1990953	15.0000	16
18 1,1-Dichloroethene	96	6.377	6.382	(0.657)	943205	15.0000	15
19 Acetone	43	6.553	6.559	(0.676)	959323	15.0000	15
20 Isopropyl Alcohol	45	6.757	6.757	(0.697)	715256	15.0000	15
21 Carbon Disulfide	76	6.789	6.794	(0.700)	2550557	15.0000	16
22 3-Chloropropene	41	7.067	7.067	(0.729)	733446	15.0000	15
23 Acetonitrile	41	7.158	7.158	(0.738)	421577	15.0000	15
24 Methylene Chloride	49	7.318	7.324	(0.755)	705345	15.0000	15
25 tert-Butyl Alcohol	59	7.441	7.441	(0.767)	1357070	15.0000	15
26 Methyl tert-Butyl Ether	73	7.661	7.666	(0.790)	2645139	15.0000	15
27 trans-1,2-Dichloroethene	61	7.714	7.714	(0.795)	1180628	15.0000	16
28 n-Hexane	57	8.030	8.030	(0.828)	1155568	15.0000	15
29 1,1-Dichloroethane	63	8.447	8.447	(0.871)	1458690	15.0000	16
30 Methyl Ethyl Ketone	72	9.340	9.346	(0.963)	425341	15.0000	15
31 cis-1,2-Dichloroethene	96	9.335	9.335	(0.962)	1052886	15.0000	15
* 32 Bromochloromethane	128	9.699	9.699	(1.000)	853935	10.0000	
33 Tetrahydrofuran	42	9.715	9.715	(0.876)	641680	15.0000	15
34 Chloroform	83	9.774	9.774	(1.008)	2072566	15.0000	16
35 1,1,1-Trichloroethane	97	10.025	10.025	(0.904)	2401950	15.0000	16
36 Cyclohexane	84	10.025	10.025	(0.904)	1340223	15.0000	16
37 Carbon Tetrachloride	117	10.218	10.218	(0.921)	2824126	15.0000	16
38 2,2,4-Trimethylpentane	57	10.496	10.501	(0.946)	3585287	15.0000	16
39 Benzene	78	10.550	10.549	(0.951)	2800029	15.0000	15
M 40 1,2-Dichloroethene (total)	61				2233514	15.0000	31
41 1,2-Dichloroethane	62	10.656	10.656	(0.961)	1250546	15.0000	16
42 n-Heptane	43	10.747	10.747	(0.969)	1099847	15.0000	15
* 43 1,4-Difluorobenzene	114	11.090	11.090	(1.000)	4077909	10.0000	
44 1-Butanol	56	11.282	11.282	(1.017)	399690	15.0000	15
45 Trichloroethene	95	11.448	11.448	(1.032)	1461305	15.0000	16
46 Methyl Methacrylate	69	11.871	11.871	(1.070)	996811	15.0000	16
47 1,2-Dichloropropane	63	11.828	11.828	(1.067)	898786	15.0000	16
48 1,4-Dioxane	88	11.962	11.962	(1.079)	439708	15.0000	15
49 Dibromomethane	174	12.015	12.010	(1.083)	1772680	15.0000	16
50 Bromodichloromethane	83	12.181	12.181	(1.098)	2308674	15.0000	16
51 cis-1,3-Dichloropropene	75	12.812	12.812	(1.155)	1700507	15.0000	16
52 Methyl Isobutyl Ketone	43	12.973	12.973	(1.170)	1491107	15.0000	15
53 n-Octane	43	13.214	13.214	(1.192)	1488720	15.0000	15
54 Toluene	92	13.240	13.240	(0.872)	2296996	15.0000	16
55 trans-1,3-Dichloropropene	75	13.604	13.604	(1.227)	1837118	15.0000	16
56 1,1,2-Trichloroethane	83	13.877	13.877	(0.914)	1071465	15.0000	16
57 Tetrachloroethene	166	14.000	14.000	(0.922)	2669463	15.0000	16
58 Methyl Butyl Ketone	43	14.150	14.150	(0.932)	1463705	15.0000	16
59 Dibromochloromethane	129	14.428	14.428	(0.950)	2932723	15.0000	16
60 1,2-Dibromoethane	107	14.631	14.631	(0.963)	2361506	15.0000	16
* 61 Chlorobenzene-d5	117	15.188	15.188	(1.000)	3832973	10.0000	
84 Nonane	57	15.311	15.311	(1.008)	1684536	15.0000	15

Compounds	QUANT SIG						AMOUNTS	
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppbv)	ON-COL (ppbv)
=====	=====	=====	==	=====	=====	=====	=====	=====
62 Chlorobenzene		112	15.230	15.225	(1.003)	3619870	15.0000	16
63 Ethylbenzene		91	15.295	15.295	(1.007)	4966807	15.0000	15
64 Xylene (m,p)		106	15.444	15.444	(1.017)	4311923	30.0000	31
65 Xylene (o)		106	15.953	15.953	(1.050)	2183653	15.0000	16
66 Styrene		104	15.979	15.979	(1.052)	3447308	15.0000	16
67 Bromoform		173	16.268	16.268	(1.071)	3265449	15.0000	17
68 Cumene		105	16.365	16.365	(1.077)	6321346	15.0000	16
69 1,1,2,2-Tetrachloroethane		83	16.777	16.777	(1.105)	2767559	15.0000	16
71 n-Decane		57	16.910	16.910	(1.113)	2253339	15.0000	16
72 n-Propylbenzene		91	16.846	16.846	(1.109)	6832327	15.0000	16
73 1,2,3-Trichloropropane		75	16.862	16.862	(1.110)	2089639	15.0000	16
74 4-Ethyltoluene		105	16.969	16.969	(1.117)	6508140	15.0000	16
M 70 Xylene (total)		106				6495576	15.0000	46
75 1,3,5-Trimethylbenzene		105	17.039	17.033	(1.122)	5415078	15.0000	16
76 2-Chlorotoluene		91	17.007	17.007	(1.120)	5077791	15.0000	16
77 a-Methylstyrene		118	17.306	17.306	(1.139)	3113391	15.0000	16
78 Tert-Butylbenzene		119	17.408	17.408	(1.146)	5642930	15.0000	16
79 1,2,4-Trimethylbenzene		105	17.477	17.477	(1.151)	5524785	15.0000	16
80 Sec-Butylbenzene		105	17.665	17.665	(1.163)	7687012	15.0000	16
81 4-Isopropyltoluene		119	17.820	17.820	(1.173)	7231171	15.0000	16
82 1,3-Dichlorobenzene		146	17.895	17.889	(1.178)	4487533	15.0000	16
83 1,4-Dichlorobenzene		146	18.007	18.002	(1.186)	4517570	15.0000	16
86 Benzyl Chloride		91	18.162	18.162	(1.196)	4855773	15.0000	17
85 n-Undecane		57	18.291	18.285	(1.204)	2589973	15.0000	16
87 n-Butylbenzene		91	18.328	18.328	(1.207)	5610342	15.0000	16
88 1,2-Dichlorobenzene		146	18.488	18.488	(1.217)	4282516	15.0000	16
89 n-Dodecane		57	19.751	19.751	(1.300)	2664309	15.0000	16
90 1,2,4-Trichlorobenzene		180	20.858	20.858	(1.373)	3977712	15.0000	18
91 Hexachlorobutadiene		225	21.024	21.024	(1.384)	3236989	15.0000	17
92 Naphthalene		128	21.351	21.351	(1.406)	7781134	15.0000	18
93 1,2,3-Trichlorobenzene		180	21.821	21.821	(1.437)	3779234	15.0000	18

Data File: /chem/F.i/Fsvr.p/fdgtol5.b/fdg20v.d
Date : 10-NOV-2009 02:10
Client ID: ASTD020
Sample Info:
Purge Volume: 200.0
Column phase: RTX-624

Instrument: F.i
Operator: wrd
Column diameter: 0.32

Page 4



Data File: /chem/F.i/Fsvr.p/fdgto15.b/fdg20v.d
Report Date: 11-Nov-2009 18:57

Page 1

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/F.i/Fsvr.p/fdgto15.b/fdg20v.d
Lab Smp Id: ASTD020 Client Smp ID: ASTD020
Inj Date : 10-NOV-2009 02:10
Operator : wrd Inst ID: F.i
Smp Info :
Misc Info : ASTD020;110909FA;1;200
Comment :
Method : /chem/F.i/Fsvr.p/fdgto15.b/sto15.m
Meth Date : 11-Nov-2009 18:57 sv Quant Type: ISTD
Cal Date : 10-NOV-2009 02:10 Cal File: fdg20v.d
Als bottle: 7 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

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

Cpnd Variable

Local Compound Variable

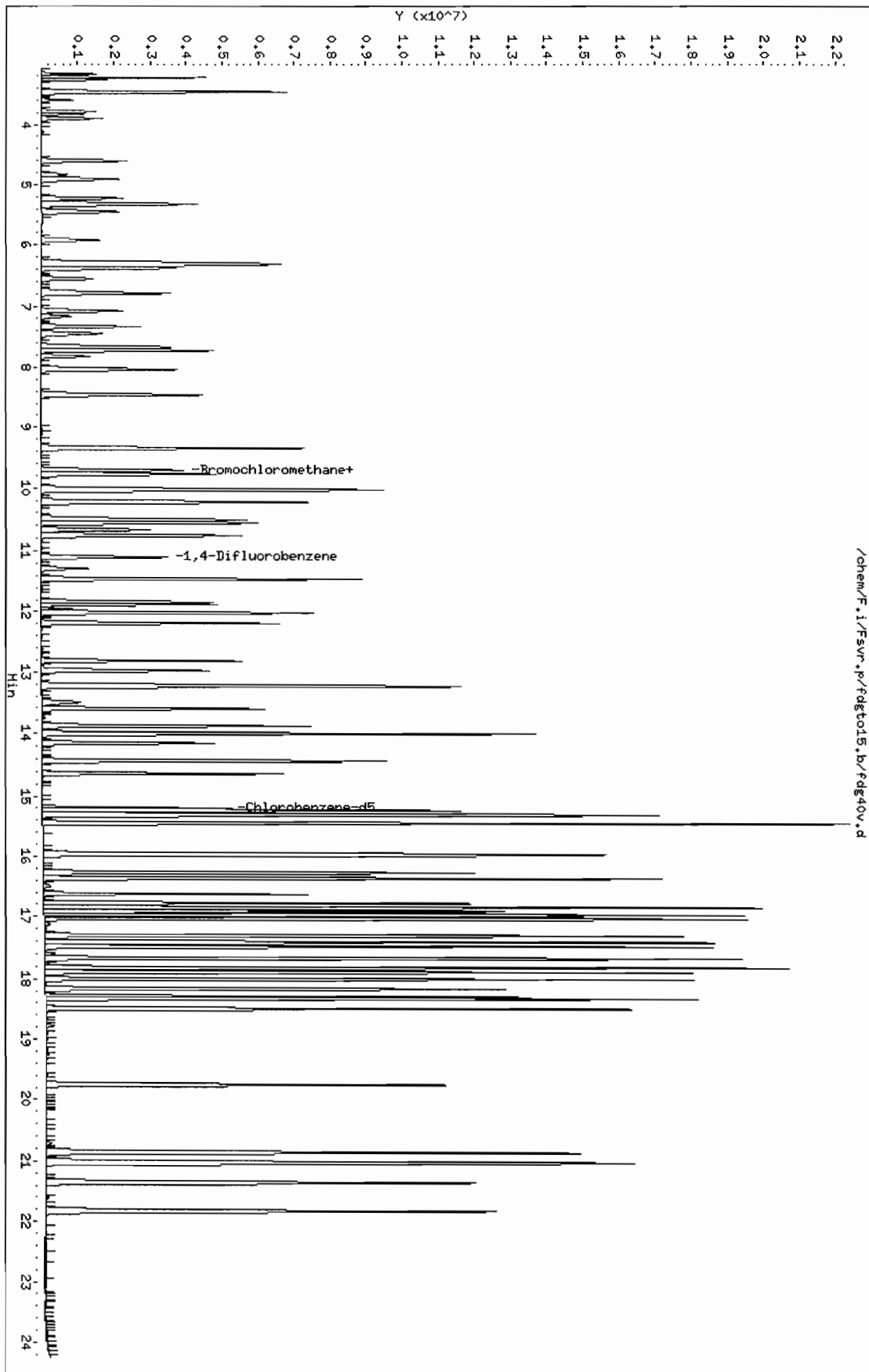
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
						CAL-AMT (ppbv)	ON-COL (ppbv)
1 Dichlorodifluoromethane	85	3.231	3.236	(0.333)	2155198	20.0000	20
2 Freon-22	51	3.269	3.274	(0.337)	919418	20.0000	20
3 1,2-Dichlorotetrafluoroethane	85	3.461	3.466	(0.357)	2267660	20.0000	20
4 Chloromethane	50	3.595	3.600	(0.371)	468695	20.0000	19
5 n-Butane	43	3.782	3.787	(0.390)	775024	20.0000	19
8 Methanol	31	Compound Not Detected.					
6 Vinyl Chloride	62	3.825	3.825	(0.394)	693350	20.0000	20
7 1,3-Butadiene	54	3.900	3.900	(0.402)	488541	20.0000	20
9 Bromomethane	94	4.601	4.606	(0.474)	1096211	20.0000	19
10 Chloroethane	64	4.825	4.831	(0.498)	470004	20.0000	20
11 Isopentane	43	4.900	4.900	(0.505)	757057	20.0000	19
12 Bromoethene	106	5.227	5.226	(0.539)	1233420	20.0000	20
13 Trichlorofluoromethane	101	5.318	5.317	(0.548)	3534595	20.0000	20
14 Pentane	43	5.446	5.446	(0.561)	1128325	20.0000	19
15 Ethyl Ether	59	5.911	5.917	(0.609)	746544	20.0000	20

Compounds	QUANT SIG			REL RT	RESPONSE	AMOUNTS	
	MASS	RT	EXP RT			CAL-AMT (ppbv)	ON-COL (ppbv)
=====	=====	==	=====	=====	=====	=====	=====
16 Acrolein	56	6.280	6.286	(0.648)	379921	20.0000	20
17 Freon TF	101	6.313	6.312	(0.651)	2626375	20.0000	20
18 1,1-Dichloroethene	96	6.382	6.382	(0.658)	1236847	20.0000	20
19 Acetone	43	6.553	6.559	(0.676)	1242697	20.0000	18
20 Isopropyl Alcohol	45	6.757	6.757	(0.697)	904734	20.0000	18
21 Carbon Disulfide	76	6.789	6.794	(0.700)	3365563	20.0000	20
22 3-Chloropropene	41	7.067	7.067	(0.729)	964929	20.0000	20
23 Acetonitrile	41	7.158	7.158	(0.738)	551609	20.0000	19
24 Methylene Chloride	49	7.318	7.324	(0.755)	931329	20.0000	19
25 tert-Butyl Alcohol	59	7.436	7.441	(0.767)	1740611	20.0000	19
26 Methyl tert-Butyl Ether	73	7.661	7.666	(0.790)	3493174	20.0000	20
27 trans-1,2-Dichloroethene	61	7.714	7.714	(0.795)	1549091	20.0000	20
28 n-Hexane	57	8.030	8.030	(0.828)	1517852	20.0000	19
29 1,1-Dichloroethane	63	8.447	8.447	(0.871)	1913065	20.0000	20
30 Methyl Ethyl Ketone	72	9.340	9.346	(0.963)	552127	20.0000	19
31 cis-1,2-Dichloroethene	96	9.335	9.335	(0.962)	1383524	20.0000	20
* 32 Bromochloromethane	128	9.699	9.699	(1.000)	876651	10.0000	
33 Tetrahydrofuran	42	9.715	9.715	(0.876)	847364	20.0000	20
34 Chloroform	83	9.774	9.774	(1.008)	2737194	20.0000	20
35 1,1,1-Trichloroethane	97	10.020	10.025	(0.904)	3154568	20.0000	20
36 Cyclohexane	84	10.025	10.025	(0.904)	1758076	20.0000	20
37 Carbon Tetrachloride	117	10.218	10.218	(0.921)	3750360	20.0000	21
38 2,2,4-Trimethylpentane	57	10.501	10.501	(0.947)	4718331	20.0000	20
39 Benzene	78	10.550	10.549	(0.951)	3682080	20.0000	20
M 40 1,2-Dichloroethene (total)	61				2932615	40.0000	40
41 1,2-Dichloroethane	62	10.657	10.656	(0.961)	1656028	20.0000	20
42 n-Heptane	43	10.747	10.747	(0.969)	1438153	20.0000	19
* 43 1,4-Difluorobenzene	114	11.090	11.090	(1.000)	4175651	10.0000	
44 1-Butanol	56	11.282	11.282	(1.017)	512982	20.0000	19
45 Trichloroethene	95	11.448	11.448	(1.032)	1935623	20.0000	20
46 Methyl Methacrylate	69	11.871	11.871	(1.070)	1310040	20.0000	20
47 1,2-Dichloropropane	63	11.828	11.828	(1.067)	1177164	20.0000	20
48 1,4-Dioxane	88	11.962	11.962	(1.079)	560209	20.0000	19
49 Dibromomethane	174	12.010	12.010	(1.083)	2331976	20.0000	20
50 Bromodichloromethane	83	12.181	12.181	(1.098)	3044940	20.0000	21
51 cis-1,3-Dichloropropene	75	12.812	12.812	(1.155)	2242989	20.0000	21
52 Methyl Isobutyl Ketone	43	12.973	12.973	(1.170)	1948335	20.0000	20
53 n-Octane	43	13.214	13.214	(1.192)	1910930	20.0000	19
54 Toluene	92	13.240	13.240	(0.872)	2982004	20.0000	20
55 trans-1,3-Dichloropropene	75	13.604	13.604	(1.227)	2427178	20.0000	21
56 1,1,2-Trichloroethane	83	13.877	13.877	(0.914)	1409470	20.0000	20
57 Tetrachloroethene	166	14.000	14.000	(0.922)	3507791	20.0000	21
58 Methyl Butyl Ketone	43	14.145	14.150	(0.931)	1915223	20.0000	20
59 Dibromochloromethane	129	14.428	14.428	(0.950)	3885431	20.0000	21
60 1,2-Dibromoethane	107	14.631	14.631	(0.963)	3105321	20.0000	20
* 61 Chlorobenzene-d5	117	15.188	15.188	(1.000)	3927380	10.0000	
84 Nonane	57	15.311	15.311	(1.008)	2153337	20.0000	19

Compounds	QUANT SIG				RESPONSE	AMOUNTS	
	MASS	RT	EXP RT	REL RT		CAL-AMT (ppbv)	ON-COL (ppbv)
=====	----	==	-----	-----	-----	-----	-----
62 Chlorobenzene	112	15.225	15.225	(1.002)	4771050	20.0000	20
63 Ethylbenzene	91	15.295	15.295	(1.007)	6416437	20.0000	19
64 Xylene (m,p)	106	15.444	15.444	(1.017)	5575776	40.0000	39
65 Xylene (o)	106	15.953	15.953	(1.050)	2849453	20.0000	20
66 Styrene	104	15.979	15.979	(1.052)	4497636	20.0000	20
67 Bromoform	173	16.268	16.268	(1.071)	4295119	20.0000	22
68 Cumene	105	16.365	16.365	(1.077)	8274373	20.0000	20
69 1,1,2,2-Tetrachloroethane	83	16.777	16.777	(1.105)	3594220	20.0000	20
71 n-Decane	57	16.910	16.910	(1.113)	2900444	20.0000	20
72 n-Propylbenzene	91	16.841	16.846	(1.109)	8808422	20.0000	20
73 1,2,3-Trichloropropane	75	16.862	16.862	(1.110)	2698012	20.0000	20
74 4-Ethyltoluene	105	16.969	16.969	(1.117)	8493034	20.0000	20
M 70 Xylene (total)	106				8425229	20.0000	59
75 1,3,5-Trimethylbenzene	105	17.033	17.033	(1.122)	7048469	20.0000	20
76 2-Chlorotoluene	91	17.007	17.007	(1.120)	6555391	20.0000	20
77 a-Methylstyrene	118	17.306	17.306	(1.139)	4087242	20.0000	21
78 Tert-Butylbenzene	119	17.408	17.408	(1.146)	7376639	20.0000	20
79 1,2,4-Trimethylbenzene	105	17.477	17.477	(1.151)	7221986	20.0000	20
80 Sec-Butylbenzene	105	17.665	17.665	(1.163)	10026128	20.0000	20
81 4-Isopropyltoluene	119	17.820	17.820	(1.173)	9442332	20.0000	21
82 1,3-Dichlorobenzene	146	17.889	17.889	(1.178)	5895578	20.0000	20
83 1,4-Dichlorobenzene	146	18.002	18.002	(1.185)	5928026	20.0000	20
86 Benzyl Chloride	91	18.162	18.162	(1.196)	6445166	20.0000	22
85 n-Undecane	57	18.285	18.285	(1.204)	3304012	20.0000	19
87 n-Butylbenzene	91	18.323	18.328	(1.206)	7256351	20.0000	20
88 1,2-Dichlorobenzene	146	18.488	18.488	(1.217)	5619055	20.0000	20
89 n-Dodecane	57	19.751	19.751	(1.300)	3370824	20.0000	20
90 1,2,4-Trichlorobenzene	180	20.858	20.858	(1.373)	5253672	20.0000	23
91 Hexachlorobutadiene	225	21.024	21.024	(1.384)	4155514	20.0000	21
92 Naphthalene	128	21.351	21.351	(1.406)	10316870	20.0000	23
93 1,2,3-Trichlorobenzene	180	21.821	21.821	(1.437)	4930450	20.0000	22

Data File: /chem/F.i/Fsvr.p/fdgt015.b/fdg40v.d
Date : 10-NOV-2009 03:01
Client ID: ASTD040
Sample Info:
Purge Volume: 200.0
Column phase: RTX-624

Instrument: F.i
Operator: urd
Column diameter: 0.32



Data File: /chem/F.i/Fsvr.p/fdgtol5.b/fdg40v.d
Report Date: 11-Nov-2009 18:57

Page 1

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/F.i/Fsvr.p/fdgtol5.b/fdg40v.d
Lab Smp Id: ASTD040 Client Smp ID: ASTD040
Inj Date : 10-NOV-2009 03:01
Operator : wrd Inst ID: F.i
Smp Info :
Misc Info : ASTD040;110909FA;1;200
Comment :
Method : /chem/F.i/Fsvr.p/fdgtol5.b/stol5.m
Meth Date : 11-Nov-2009 18:57 sv Quant Type: ISTD
Cal Date : 10-NOV-2009 03:01 Cal File: fdg40v.d
Als bottle: 8 Calibration Sample, Level: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

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

Cpnd Variable

Local Compound Variable

Compounds	QUANT SIG						AMOUNTS	
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppbv)	ON-COL (ppbv)
1 Dichlorodifluoromethane	85		3.231	3.236	(0.333)	4430950	40.0000	39
2 Freon-22	51		3.269	3.274	(0.337)	1871464	40.0000	39
3 1,2-Dichlorotetrafluoroethane	85		3.461	3.466	(0.357)	4508837	40.0000	38
4 Chloromethane	50		3.600	3.600	(0.371)	967199	40.0000	39
5 n-Butane	43		3.782	3.787	(0.390)	1557370	40.0000	37
8 Methanol	31		Compound Not Detected.					
6 Vinyl Chloride	62		3.825	3.825	(0.394)	1412607	40.0000	39
7 1,3-Butadiene	54		3.900	3.900	(0.402)	987385	40.0000	38
9 Bromomethane	94		4.601	4.606	(0.474)	2203592	40.0000	37
10 Chloroethane	64		4.831	4.831	(0.498)	930940	40.0000	38
11 Isopentane	43		4.906	4.900	(0.505)	1483677	40.0000	36
12 Bromoethene	106		5.227	5.226	(0.539)	2462247	40.0000	38
13 Trichlorofluoromethane	101		5.318	5.317	(0.548)	6952499	40.0000	38
14 Pentane	43		5.451	5.446	(0.562)	2188012	40.0000	36
15 Ethyl Ether	59		5.917	5.917	(0.610)	1497298	40.0000	40

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppbv)	ON-COL (ppbv)
=====	====	==	=====	=====	=====	=====	=====
16 Acrolein	56	6.286	6.286	(0.648)	711739	40.0000	37
17 Freon TF	101	6.313	6.312	(0.650)	5242806	40.0000	39
18 1,1-Dichloroethene	96	6.382	6.382	(0.658)	2503601	40.0000	39
19 Acetone	43	6.559	6.559	(0.676)	2491558	40.0000	36
20 Isopropyl Alcohol	45	6.757	6.757	(0.696)	1773515	40.0000	35
21 Carbon Disulfide	76	6.794	6.794	(0.700)	6761930	40.0000	39
22 3-Chloropropene	41	7.067	7.067	(0.728)	1940313	40.0000	39
23 Acetonitrile	41	7.163	7.158	(0.738)	1102452	40.0000	38
24 Methylene Chloride	49	7.324	7.324	(0.755)	1862990	40.0000	37
25 tert-Butyl Alcohol	59	7.441	7.441	(0.767)	3469536	40.0000	36
26 Methyl tert-Butyl Ether	73	7.661	7.666	(0.789)	7040286	40.0000	39
27 trans-1,2-Dichloroethene	61	7.714	7.714	(0.795)	3084374	40.0000	39
28 n-Hexane	57	8.030	8.030	(0.827)	3000758	40.0000	38
29 1,1-Dichloroethane	63	8.447	8.447	(0.870)	3778461	40.0000	38
30 Methyl Ethyl Ketone	72	9.346	9.346	(0.963)	1044334	40.0000	35
31 cis-1,2-Dichloroethene	96	9.335	9.335	(0.962)	2679006	40.0000	37
* 32 Bromochloromethane	128	9.704	9.699	(1.000)	899323	10.0000	
33 Tetrahydrofuran	42	9.715	9.715	(0.876)	1665556	40.0000	38
34 Chloroform	83	9.774	9.774	(1.007)	5482722	40.0000	39
35 1,1,1-Trichloroethane	97	10.025	10.025	(0.904)	6181717	40.0000	39
36 Cyclohexane	84	10.025	10.025	(0.904)	3394679	40.0000	38
37 Carbon Tetrachloride	117	10.223	10.218	(0.921)	7563426	40.0000	41 (A)
38 2,2,4-Trimethylpentane	57	10.502	10.501	(0.946)	9130731	40.0000	38
39 Benzene	78	10.555	10.549	(0.951)	7273339	40.0000	38
M 40 1,2-Dichloroethene (total)	61				5763380	80.0000	76
41 1,2-Dichloroethane	62	10.657	10.656	(0.960)	3356205	40.0000	40
42 n-Heptane	43	10.748	10.747	(0.969)	2755163	40.0000	36
* 43 1,4-Difluorobenzene	114	11.095	11.090	(1.000)	4270823	10.0000	
44 1-Butanol	56	11.283	11.282	(1.017)	1056799	40.0000	38
45 Trichloroethene	95	11.454	11.448	(1.032)	3809282	40.0000	39
46 Methyl Methacrylate	69	11.871	11.871	(1.070)	2582659	40.0000	39
47 1,2-Dichloropropane	63	11.834	11.828	(1.067)	2296803	40.0000	38
48 1,4-Dioxane	88	11.962	11.962	(1.078)	1107374	40.0000	36
49 Dibromomethane	174	12.015	12.010	(1.083)	4602297	40.0000	40
50 Bromodichloromethane	83	12.187	12.181	(1.098)	6026141	40.0000	40
51 cis-1,3-Dichloropropene	75	12.813	12.812	(1.155)	4500269	40.0000	40 (A)
52 Methyl Isobutyl Ketone	43	12.973	12.973	(1.169)	3795004	40.0000	38
53 n-Octane	43	13.214	13.214	(1.191)	3476775	40.0000	34
54 Toluene	92	13.241	13.240	(0.872)	5688232	40.0000	37
55 trans-1,3-Dichloropropene	75	13.610	13.604	(1.227)	4864997	40.0000	41 (A)
56 1,1,2-Trichloroethane	83	13.877	13.877	(0.914)	2752439	40.0000	39
57 Tetrachloroethene	166	14.000	14.000	(0.922)	6737953	40.0000	39
58 Methyl Butyl Ketone	43	14.150	14.150	(0.932)	3715517	40.0000	38
59 Dibromochloromethane	129	14.428	14.428	(0.950)	7619163	40.0000	41 (A)
60 1,2-Dibromoethane	107	14.631	14.631	(0.963)	6033176	40.0000	39
* 61 Chlorobenzene-d5	117	15.188	15.188	(1.000)	4001888	10.0000	
84 Nonane	57	15.316	15.311	(1.008)	3827755	40.0000	33

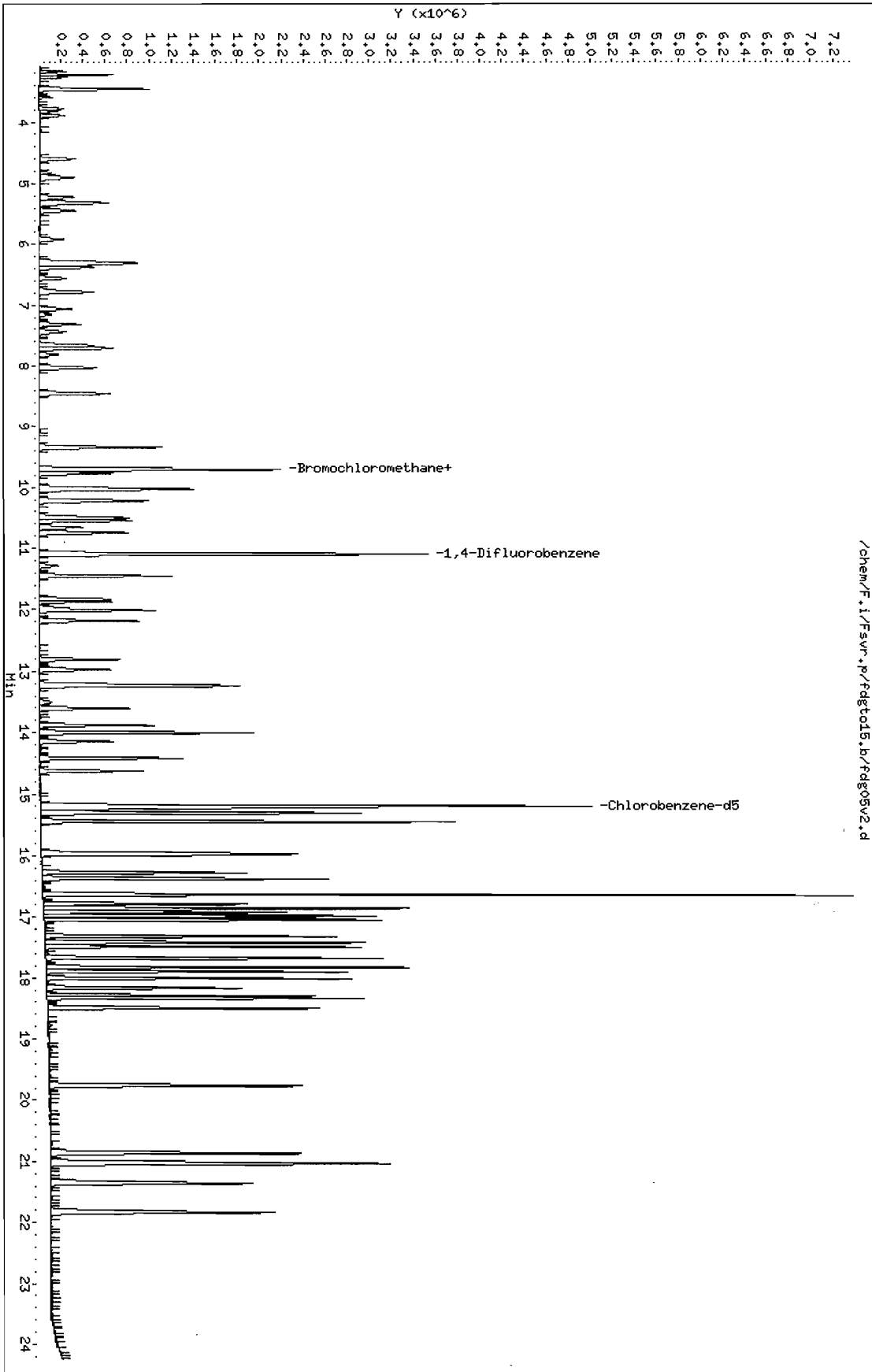
Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppbv)	ON-COL (ppbv)
=====	----	--	-----	-----	-----	-----	-----
62 Chlorobenzene	112	15.231	15.225	(1.003)	9333372	40.0000	39
63 Ethylbenzene	91	15.295	15.295	(1.007)	11761639	40.0000	35
64 Xylene (m,p)	106	15.445	15.444	(1.017)	10179418	80.0000	70
65 Xylene (o)	106	15.958	15.953	(1.051)	5389203	40.0000	37
66 Styrene	104	15.985	15.979	(1.052)	8526996	40.0000	38
67 Bromoform	173	16.268	16.268	(1.071)	7976336	40.0000	40
68 Cumene	105	16.365	16.365	(1.077)	15739288	40.0000	38
69 1,1,2,2-Tetrachloroethane	83	16.777	16.777	(1.105)	6730022	40.0000	37
71 n-Decane	57	16.910	16.910	(1.113)	5179079	40.0000	34
72 n-Propylbenzene	91	16.846	16.846	(1.109)	15808790	40.0000	34
73 1,2,3-Trichloropropane	75	16.868	16.862	(1.111)	4936433	40.0000	35
74 4-Ethyltoluene	105	16.969	16.969	(1.117)	15849941	40.0000	37
M 70 Xylene (total)	106				15568621	40.0000	110
75 1,3,5-Trimethylbenzene	105	17.039	17.033	(1.122)	13002567	40.0000	36
76 2-Chlorotoluene	91	17.007	17.007	(1.120)	12240323	40.0000	37
77 a-Methylstyrene	118	17.312	17.306	(1.140)	7847647	40.0000	40
78 Tert-Butylbenzene	119	17.413	17.408	(1.147)	14020552	40.0000	38
79 1,2,4-Trimethylbenzene	105	17.483	17.477	(1.151)	13676457	40.0000	37
80 Sec-Butylbenzene	105	17.665	17.665	(1.163)	18538612	40.0000	36
81 4-Isopropyltoluene	119	17.825	17.820	(1.174)	17474139	40.0000	37
82 1,3-Dichlorobenzene	146	17.895	17.889	(1.178)	11112723	40.0000	38
83 1,4-Dichlorobenzene	146	18.007	18.002	(1.186)	11163638	40.0000	38
86 Benzyl Chloride	91	18.162	18.162	(1.196)	12418746	40.0000	42 (A)
85 n-Undecane	57	18.291	18.285	(1.204)	5723206	40.0000	33
87 n-Butylbenzene	91	18.328	18.328	(1.207)	13321745	40.0000	36
88 1,2-Dichlorobenzene	146	18.494	18.488	(1.218)	10688094	40.0000	38
89 n-Dodecane	57	19.756	19.751	(1.301)	5663662	40.0000	32
90 1,2,4-Trichlorobenzene	180	20.859	20.858	(1.373)	9613333	40.0000	41 (A)
91 Hexachlorobutadiene	225	21.024	21.024	(1.384)	7106768	40.0000	36
92 Naphthalene	128	21.351	21.351	(1.406)	18941071	40.0000	41 (A)
93 1,2,3-Trichlorobenzene	180	21.827	21.821	(1.437)	8909284	40.0000	40

QC Flag Legend

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

Data File: /chem/F.i/Fsyr.p/fdgtd15.b/fdg05v2.d
Date : 10-NOV-2009 08:32
Client ID: ASTD005
Sample Info:
Purge Volume: 200.0
Column Phase: RTX-624

Instrument: F.i
Operator: wrd
Column diameter: 0.32



TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/F.i/Fsvr.p/fdgto15.b/fdg05v2.d
Lab Smp Id: ASTD005 Client Smp ID: ASTD005
Inj Date : 10-NOV-2009 08:32
Operator : wrd Inst ID: F.i
Smp Info :
Misc Info : ASTD005;110909FA;1;200
Comment :
Method : /chem/F.i/Fsvr.p/fdgto15.b/sto15.m
Meth Date : 11-Nov-2009 18:57 sv Quant Type: ISTD
Cal Date : 10-NOV-2009 08:32 Cal File: fdg05v2.d
Als bottle: 4 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

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

Cpnd Variable

Local Compound Variable

Compounds	QUANT SIG			RESPONSE	AMOUNTS	
	MASS	RT	EXP RT REL RT		CAL-AMT (ppbv)	ON-COL (ppbv)
1 Dichlorodifluoromethane	85	3.231	3.236 (0.333)	612982	5.00000	5.6
2 Freon-22	51	3.269	3.274 (0.337)	252723	5.00000	5.4
3 1,2-Dichlorotetrafluoroethane	85	3.461	3.466 (0.357)	644520	5.00000	5.6
4 Chloromethane	50	3.600	3.600 (0.371)	128953	5.00000	5.3
5 n-Butane	43	3.782	3.787 (0.390)	224393	5.00000	5.5
8 Methanol	31	Compound Not Detected.				
6 Vinyl Chloride	62	3.825	3.825 (0.394)	198338	5.00000	5.6
7 1,3-Butadiene	54	3.894	3.900 (0.402)	137277	5.00000	5.5
9 Bromomethane	94	4.601	4.606 (0.474)	301293	5.00000	5.2
10 Chloroethane	64	4.825	4.831 (0.498)	129077	5.00000	5.4
11 Isopentane	43	4.895	4.900 (0.505)	217289	5.00000	5.4
12 Bromoethene	106	5.221	5.226 (0.538)	335527	5.00000	5.4
13 Trichlorofluoromethane	101	5.317	5.317 (0.548)	987308	5.00000	5.6
14 Pentane	43	5.446	5.446 (0.561)	321135	5.00000	5.5
15 Ethyl Ether	59	5.917	5.917 (0.610)	198930	5.00000	5.4

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
						CAL-AMT (ppbv)	ON-COL (ppbv)
16 Acrolein	56	6.286	6.286	(0.648)	103513	5.00000	5.5
17 Freon TF	101	6.307	6.312	(0.650)	690154	5.00000	5.3
18 1,1-Dichloroethene	96	6.377	6.382	(0.657)	321294	5.00000	5.1
19 Acetone	43	6.553	6.559	(0.676)	412895	5.00000	6.1
20 Isopropyl Alcohol	45	6.762	6.757	(0.697)	272541	5.00000	5.5
21 Carbon Disulfide	76	6.789	6.794	(0.700)	890281	5.00000	5.3
22 3-Chloropropene	41	7.067	7.067	(0.729)	261979	5.00000	5.3
23 Acetonitrile	41	7.158	7.158	(0.738)	149247	5.00000	5.2
24 Methylene Chloride	49	7.318	7.324	(0.755)	257718	5.00000	5.2
25 tert-Butyl Alcohol	59	7.441	7.441	(0.767)	498629	5.00000	5.4
26 Methyl tert-Butyl Ether	73	7.661	7.666	(0.790)	914912	5.00000	5.2
27 trans-1,2-Dichloroethene	61	7.709	7.714	(0.795)	415208	5.00000	5.4
28 n-Hexane	57	8.024	8.030	(0.827)	405763	5.00000	5.2
29 1,1-Dichloroethane	63	8.447	8.447	(0.871)	509553	5.00000	5.3
30 Methyl Ethyl Ketone	72	9.340	9.346	(0.963)	149762	5.00000	5.1(Q)
31 cis-1,2-Dichloroethene	96	9.330	9.335	(0.962)	365459	5.00000	5.2
* 32 Bromochloromethane	128	9.699	9.699	(1.000)	877753	10.0000	
33 Tetrahydrofuran	42	9.715	9.715	(0.876)	230533	5.00000	5.3
34 Chloroform	83	9.768	9.774	(1.007)	717782	5.00000	5.3
35 1,1,1-Trichloroethane	97	10.020	10.025	(0.904)	838599	5.00000	5.3
36 Cyclohexane	84	10.020	10.025	(0.904)	460615	5.00000	5.2
37 Carbon Tetrachloride	117	10.218	10.218	(0.921)	958057	5.00000	5.2
38 2,2,4-Trimethylpentane	57	10.496	10.501	(0.946)	1259503	5.00000	5.2
39 Benzene	78	10.544	10.549	(0.951)	978354	5.00000	5.1
M 40 1,2-Dichloroethene (total)	61				780667	10.0000	11
41 1,2-Dichloroethane	62	10.651	10.656	(0.960)	434695	5.00000	5.2
42 n-Heptane	43	10.742	10.747	(0.969)	397836	5.00000	5.3
* 43 1,4-Difluorobenzene	114	11.090	11.090	(1.000)	4243528	10.0000	
44 1-Butanol	56	11.282	11.282	(1.017)	139830	5.00000	5.1
45 Trichloroethene	95	11.443	11.448	(1.032)	503942	5.00000	5.1
46 Methyl Methacrylate	69	11.866	11.871	(1.070)	332099	5.00000	5.1(Q)
47 1,2-Dichloropropane	63	11.828	11.828	(1.067)	311240	5.00000	5.2
48 1,4-Dioxane	88	11.962	11.962	(1.079)	157895	5.00000	5.2
49 Dibromomethane	174	12.010	12.010	(1.083)	585366	5.00000	5.1
50 Bromodichloromethane	83	12.181	12.181	(1.098)	791400	5.00000	5.3
51 cis-1,3-Dichloropropene	75	12.807	12.812	(1.155)	571313	5.00000	5.1
52 Methyl Isobutyl Ketone	43	12.973	12.973	(1.170)	523415	5.00000	5.2
53 n-Octane	43	13.214	13.214	(1.192)	547100	5.00000	5.3
54 Toluene	92	13.235	13.240	(0.871)	805909	5.00000	5.2
55 trans-1,3-Dichloropropene	75	13.599	13.604	(1.226)	617926	5.00000	5.2
56 1,1,2-Trichloroethane	83	13.877	13.877	(0.914)	369420	5.00000	5.2
57 Tetrachloroethene	166	13.995	14.000	(0.921)	897377	5.00000	5.2
58 Methyl Butyl Ketone	43	14.145	14.150	(0.931)	515003	5.00000	5.3
59 Dibromochloromethane	129	14.423	14.428	(0.950)	960458	5.00000	5.2
60 1,2-Dibromoethane	107	14.626	14.631	(0.963)	807601	5.00000	5.2
* 61 Chlorobenzene-d5	117	15.188	15.188	(1.000)	3986901	10.0000	
84 Nonane	57	15.311	15.311	(1.008)	621389	5.00000	5.3

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppbv)	ON-COL (ppbv)
=====	=====	==	=====	=====	=====	=====	=====
62 Chlorobenzene	112	15.225	15.225	(1.002)	1229540	5.00000	5.2
63 Ethylbenzene	91	15.295	15.295	(1.007)	1788447	5.00000	5.4
64 Xylene (m,p)	106	15.439	15.444	(1.017)	1529630	10.0000	11
65 Xylene (o)	106	15.953	15.953	(1.050)	760373	5.00000	5.2
66 Styrene	104	15.979	15.979	(1.052)	1179862	5.00000	5.3
67 Bromoform	173	16.268	16.268	(1.071)	1098636	5.00000	5.5
68 Cumene	105	16.365	16.365	(1.077)	2223381	5.00000	5.3
69 1,1,2,2-Tetrachloroethane	83	16.777	16.777	(1.105)	988920	5.00000	5.4
71 n-Decane	57	16.905	16.910	(1.113)	843024	5.00000	5.6
72 n-Propylbenzene	91	16.841	16.846	(1.109)	2501140	5.00000	5.5
73 1,2,3-Trichloropropane	75	16.862	16.862	(1.110)	761262	5.00000	5.5
74 4-Ethyltoluene	105	16.969	16.969	(1.117)	2330035	5.00000	5.4
M 70 Xylene (total)	106				2290003	5.00000	16
75 1,3,5-Trimethylbenzene	105	17.033	17.033	(1.122)	1934331	5.00000	5.4
76 2-Chlorotoluene	91	17.007	17.007	(1.120)	1822991	5.00000	5.5
77 a-Methylstyrene	118	17.306	17.306	(1.139)	1054633	5.00000	5.4
78 Tert-Butylbenzene	119	17.408	17.408	(1.146)	1982654	5.00000	5.4
79 1,2,4-Trimethylbenzene	105	17.477	17.477	(1.151)	1982856	5.00000	5.4
80 Sec-Butylbenzene	105	17.665	17.665	(1.163)	2776457	5.00000	5.5
81 4-Isopropyltoluene	119	17.820	17.820	(1.173)	2555322	5.00000	5.5
82 1,3-Dichlorobenzene	146	17.889	17.889	(1.178)	1587142	5.00000	5.4
83 1,4-Dichlorobenzene	146	18.002	18.002	(1.185)	1573975	5.00000	5.3
86 Benzyl Chloride	91	18.162	18.162	(1.196)	1655039	5.00000	5.6
85 n-Undecane	57	18.285	18.285	(1.204)	1012847	5.00000	5.9
87 n-Butylbenzene	91	18.323	18.328	(1.206)	2055988	5.00000	5.6
88 1,2-Dichlorobenzene	146	18.488	18.488	(1.217)	1504726	5.00000	5.4
89 n-Dodecane	57	19.751	19.751	(1.300)	1102014	5.00000	6.3
90 1,2,4-Trichlorobenzene	180	20.853	20.858	(1.373)	1381116	5.00000	6.0
91 Hexachlorobutadiene	225	21.024	21.024	(1.384)	1220719	5.00000	6.1
92 Naphthalene	128	21.345	21.351	(1.405)	2819893	5.00000	6.1
93 1,2,3-Trichlorobenzene	180	21.821	21.821	(1.437)	1376473	5.00000	6.1

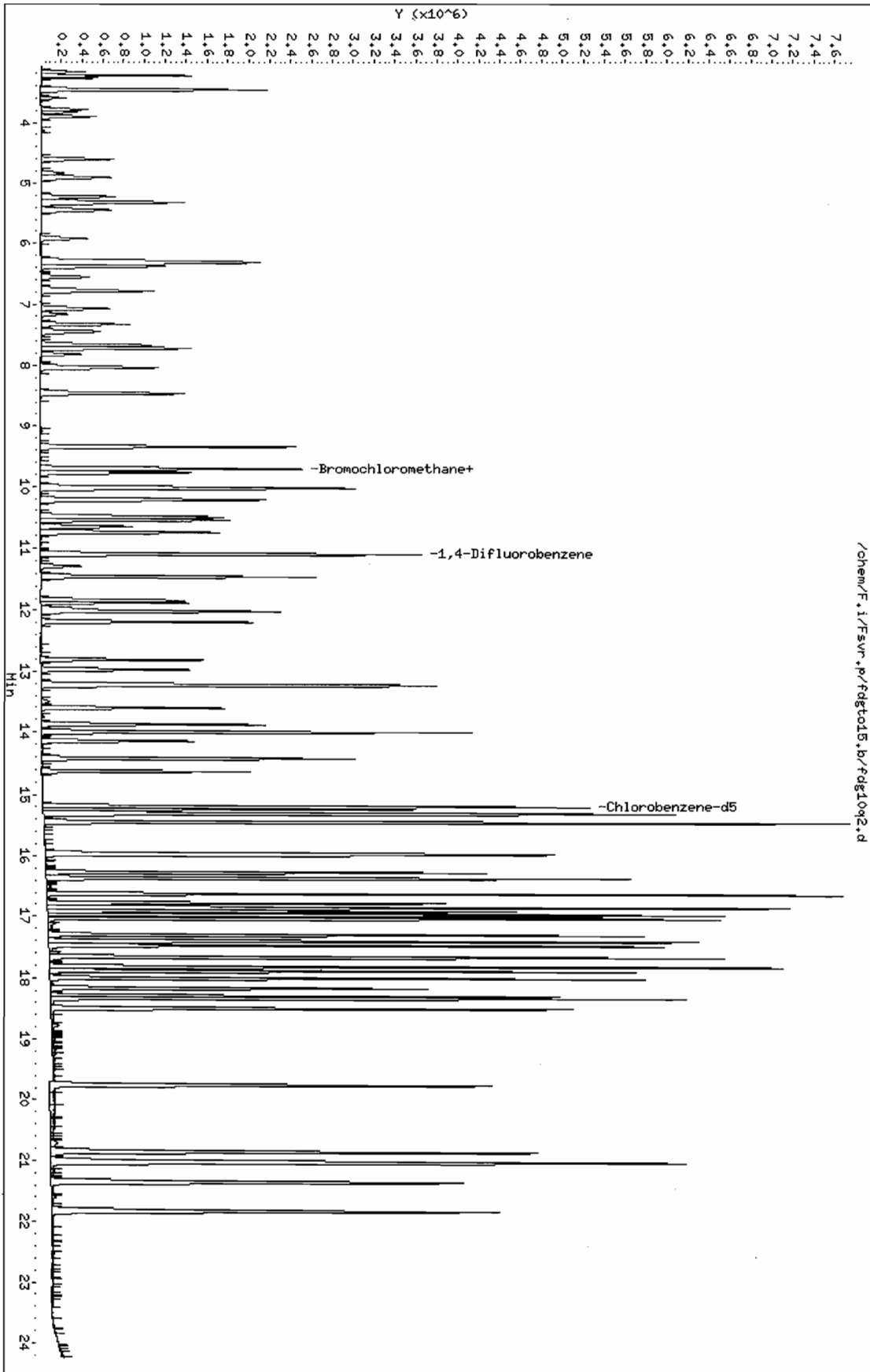
QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: /chem/F.i/Fsyr.p/fdgto15.b/fdg10q2.d
Date: 10-NOV-2009 09:22
Client ID: FRL10909LCS
Sample Info:
Purge Volume: 200.0
Column phase: RTX-624

Instrument: F.i
Operator: wrd
Column diameter: 0.32

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TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/F.i/Fsvr.p/fdgtol5.b/fdg10q2.d
Lab Smp Id: FA110909LCS Client Smp ID: FA110909LCS
Inj Date : 10-NOV-2009 09:22
Operator : wrd Inst ID: F.i
Smp Info :
Misc Info : FA110909LCS;110909FA;1;200
Comment :
Method : /chem/F.i/Fsvr.p/fdgtol5.b/stol5.m
Meth Date : 11-Nov-2009 18:57 sv Quant Type: ISTD
Cal Date : 10-NOV-2009 08:32 Cal File: fdg05v2.d
Als bottle: 9 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

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

Cpnd Variable

Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ppbv)	FINAL (ppbv)
1 Dichlorodifluoromethane	85	3.237	3.236	(0.334)	1361330	11.8377	12
2 Freon-22	51	3.274	3.274	(0.338)	542974	11.1272	11
3 1,2-Dichlorotetrafluoroethane	85	3.467	3.466	(0.357)	1370488	11.3972	11
4 Chloromethane	50	3.600	3.600	(0.371)	278661	10.9566	11
5 n-Butane	43	3.788	3.787	(0.390)	459369	10.7336	11
8 Methanol	31	Compound Not Detected.					
6 Vinyl Chloride	62	3.830	3.825	(0.395)	424845	11.5077	12
7 1,3-Butadiene	54	3.900	3.900	(0.402)	312857	11.9768	12
9 Bromomethane	94	4.606	4.606	(0.475)	648934	10.8323	11
10 Chloroethane	64	4.831	4.831	(0.498)	279780	11.1333	11
11 Isopentane	43	4.911	4.900	(0.506)	460635	10.9059	11
12 Bromoethene	106	5.227	5.226	(0.539)	762498	11.6948	12
13 Trichlorofluoromethane	101	5.318	5.317	(0.548)	2157985	11.6545	12
14 Pentane	43	5.451	5.446	(0.562)	684513	11.1598	11
15 Ethyl Ether	59	5.917	5.917	(0.610)	412994	10.7242	11

Compounds	QUANT SIG	MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN (ppbv)	FINAL (ppbv)
=====	=====	=====	=====	=====	=====	=====	=====	=====
16 Acrolein		56	6.286	6.286	(0.648)	180744	9.20904	9.2
17 Freon TF		101	6.313	6.312	(0.651)	1658733	12.2577	12
18 1,1-Dichloroethene		96	6.382	6.382	(0.658)	794256	12.1011	12
19 Acetone		43	6.559	6.559	(0.676)	788505	11.1815	11
20 Isopropyl Alcohol		45	6.757	6.757	(0.697)	631903	12.3346	12
21 Carbon Disulfide		76	6.789	6.794	(0.700)	1980842	11.2695	11
22 3-Chloropropene		41	7.067	7.067	(0.729)	566905	11.0523	11
23 Acetonitrile		41	7.158	7.158	(0.738)	337027	11.3435	11
24 Methylene Chloride		49	7.318	7.324	(0.755)	585393	11.4054	11
25 tert-Butyl Alcohol		59	7.441	7.441	(0.767)	1158352	11.9493	12
26 Methyl tert-Butyl Ether		73	7.661	7.666	(0.790)	2038943	11.1362	11
27 trans-1,2-Dichloroethene		61	7.714	7.714	(0.795)	907653	11.2205	11
28 n-Hexane		57	8.030	8.030	(0.828)	883389	10.8606	11
29 1,1-Dichloroethane		63	8.447	8.447	(0.871)	1120244	11.2025	11
30 Methyl Ethyl Ketone		72	9.341	9.346	(0.963)	333453	10.8404	11
31 cis-1,2-Dichloroethene		96	9.335	9.335	(0.962)	827246	11.3184	11
* 32 Bromochloromethane		128	9.699	9.699	(1.000)	915677	10.0000	
33 Tetrahydrofuran		42	9.715	9.715	(0.876)	501401	11.0007	11
34 Chloroform		83	9.769	9.774	(1.007)	1586677	11.1478	11
35 1,1,1-Trichloroethane		97	10.020	10.025	(0.904)	1847823	11.1884	11
36 Cyclohexane		84	10.025	10.025	(0.904)	1025108	11.0570	11
37 Carbon Tetrachloride		117	10.218	10.218	(0.921)	2125510	11.0659	11
38 2,2,4-Trimethylpentane		57	10.496	10.501	(0.946)	2758879	11.0271	11
39 Benzene		78	10.550	10.549	(0.951)	2134263	10.7521	11
M 40 1,2-Dichloroethene (total)		61				1734899	22.5389	23
41 1,2-Dichloroethane		62	10.657	10.656	(0.961)	952410	10.9675	11
42 n-Heptane		43	10.748	10.747	(0.969)	846236	10.7479	11
* 43 1,4-Difluorobenzene		114	11.090	11.090	(1.000)	4412983	10.0000	
44 1-Butanol		56	11.283	11.282	(1.017)	313059	10.9767	11
45 Trichloroethene		95	11.448	11.448	(1.032)	1099322	10.7954	11
46 Methyl Methacrylate		69	11.871	11.871	(1.070)	736195	10.8287	11
47 1,2-Dichloropropane		63	11.828	11.828	(1.067)	661467	10.6317	11
48 1,4-Dioxane		88	11.962	11.962	(1.079)	365808	11.6389	12
49 Dibromomethane		174	12.010	12.010	(1.083)	1316244	10.9376	11
50 Bromodichloromethane		83	12.181	12.181	(1.098)	1790932	11.4936	11
51 cis-1,3-Dichloropropene		75	12.807	12.812	(1.155)	1225176	10.6039	11
52 Methyl Isobutyl Ketone		43	12.973	12.973	(1.170)	1145954	10.9832	11
53 n-Octane		43	13.214	13.214	(1.192)	1144937	10.7180	11
54 Toluene		92	13.235	13.240	(0.871)	1718967	10.6871	11
55 trans-1,3-Dichloropropene		75	13.604	13.604	(1.227)	1325053	10.6816	11
56 1,1,2-Trichloroethane		83	13.877	13.877	(0.914)	767594	10.3316	10
57 Tetrachloroethene		166	14.000	14.000	(0.922)	1949477	10.7533	11
58 Methyl Butyl Ketone		43	14.145	14.150	(0.931)	1110347	10.9508	11
59 Dibromochloromethane		129	14.423	14.428	(0.950)	2254020	11.6789	12
60 1,2-Dibromoethane		107	14.626	14.631	(0.963)	1725398	10.7210	11
* 61 Chlorobenzene-d5		117	15.188	15.188	(1.000)	4161651	10.0000	
84 Nonane		57	15.311	15.311	(1.008)	1307984	10.7706	11

Compounds	QUANT SIG	MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN	FINAL
							(ppbv)	(ppbv)
=====	=====	=====	=====	=====	=====	=====	=====	=====
62 Chlorobenzene		112	15.225	15.225	(1.002)	2637781	10.6109	11
63 Ethylbenzene		91	15.295	15.295	(1.007)	3791761	10.8737	11
64 Xylene (m,p)		106	15.445	15.444	(1.017)	3232241	21.3715	21
65 Xylene (o)		106	15.953	15.953	(1.050)	1608774	10.5784	11
66 Styrene		104	15.980	15.979	(1.052)	2546836	10.8639	11
67 Bromoform		173	16.268	16.268	(1.071)	2544220	12.1258	12
68 Cumene		105	16.365	16.365	(1.077)	4813755	11.0659	11
69 1,1,2,2-Tetrachloroethane		83	16.777	16.777	(1.105)	2059188	10.7709	11
71 n-Decane		57	16.905	16.910	(1.113)	1746528	11.1451	11
72 n-Propylbenzene		91	16.841	16.846	(1.109)	5328876	11.1632	11
73 1,2,3-Trichloropropane		75	16.862	16.862	(1.110)	1630008	11.1989	11
74 4-Ethyltoluene		105	16.969	16.969	(1.117)	5043971	11.2268	11
M 70 Xylene (total)		106				4841015	31.8318	32
75 1,3,5-Trimethylbenzene		105	17.033	17.033	(1.122)	4058834	10.9375	11
76 2-Chlorotoluene		91	17.007	17.007	(1.120)	3945042	11.3200	11
77 a-Methylstyrene		118	17.306	17.306	(1.139)	2308019	11.2280	11
78 Tert-Butylbenzene		119	17.408	17.408	(1.146)	4310248	11.1826	11
79 1,2,4-Trimethylbenzene		105	17.477	17.477	(1.151)	4064289	10.6516	11
80 Sec-Butylbenzene		105	17.665	17.665	(1.163)	5901641	11.1441	11
81 4-Isopropyltoluene		119	17.820	17.820	(1.173)	5534455	11.3409	11
82 1,3-Dichlorobenzene		146	17.889	17.889	(1.178)	3290760	10.7164	11
83 1,4-Dichlorobenzene		146	18.002	18.002	(1.185)	3306305	10.7389	11
86 Benzyl Chloride		91	18.162	18.162	(1.196)	3351233	10.9326	11
85 n-Undecane		57	18.285	18.285	(1.204)	2031905	11.2719	11
87 n-Butylbenzene		91	18.323	18.328	(1.206)	4351777	11.4132	11
88 1,2-Dichlorobenzene		146	18.489	18.488	(1.217)	3084999	10.5374	11
89 n-Dodecane		57	19.751	19.751	(1.300)	2063214	11.3624	11
90 1,2,4-Trichlorobenzene		180	20.853	20.858	(1.373)	2884618	11.9530	12
91 Hexachlorobutadiene		225	21.024	21.024	(1.384)	2459355	11.8445	12
92 Naphthalene		128	21.345	21.351	(1.405)	6132902	12.7724	13
93 1,2,3-Trichlorobenzene		180	21.821	21.821	(1.437)	2950079	12.6227	13

TestAmerica Burlington

RECOVERY REPORT

Client Name: Client SDG: fdgto15
 Sample Matrix: GAS Fraction: VOA
 Lab Smp Id: FA110909LCS Client Smp ID: FA110909LCS
 Level: LOW Operator: wrd
 Data Type: MS DATA SampleType: LCS
 SpikeList File: all174.spk Quant Type: ISTD
 Sublist File: all.sub
 Method File: /chem/F.i/Fsvr.p/fdgto15.b/sto15.m
 Misc Info: FA110909LCS;110909FA;1;200

SPIKE COMPOUND	CONC ADDED ppbv	CONC RECOVERED ppbv	% RECOVERED	LIMITS
1 Dichlorodifluorome	10	12	118.38	70-130
2 Freon-22	10	11	111.27	70-130
3 1,2-Dichlorotetra	10	11	113.97	70-130
4 Chloromethane	10	11	109.57	70-130
5 n-Butane	10	11	107.34	70-130
6 Vinyl Chloride	10	12	115.08	70-130
7 1,3-Butadiene	10	12	119.77	70-130
9 Bromomethane	10	11	108.32	70-130
10 Chloroethane	10	11	111.33	70-130
12 Bromoethene	10	12	116.95	70-130
13 Trichlorofluoromet	10	12	116.55	70-130
17 Freon TF	10	12	122.58	70-130
18 1,1-Dichloroethene	10	12	121.01	70-130
19 Acetone	10	11	111.81	70-130
20 Isopropyl Alcohol	10	12	123.35	70-130
21 Carbon Disulfide	10	11	112.69	70-130
22 3-Chloropropene	10	11	110.52	70-130
24 Methylene Chloride	10	11	114.05	70-130
25 tert-Butyl Alcohol	10	12	119.49	70-130
26 Methyl tert-Butyl	10	11	111.36	70-130
27 trans-1,2-Dichloro	10	11	112.20	70-130
28 n-Hexane	10	11	108.61	70-130
29 1,1-Dichloroethane	10	11	112.03	70-130
30 Methyl Ethyl Keton	10	11	108.40	70-130
31 cis-1,2-Dichloroet	10	11	113.18	70-130
33 Tetrahydrofuran	10	11	110.01	70-130
34 Chloroform	10	11	111.48	70-130
35 1,1,1-Trichloroeth	10	11	111.88	70-130
36 Cyclohexane	10	11	110.57	70-130
37 Carbon Tetrachlori	10	11	110.66	70-130
38 2,2,4-Trimethylpen	10	11	110.27	70-130
39 Benzene	10	11	107.52	70-130
M 40 1,2-Dichloroethene	20	23	115.00	70-130

SPIKE COMPOUND	CONC ADDED ppbv	CONC RECOVERED ppbv	% RECOVERED	LIMITS
41 1,2-Dichloroethane	10	11	109.67	70-130
42 n-Heptane	10	11	107.48	70-130
45 Trichloroethene	10	11	107.95	70-130
46 Methyl Methacrylat	10	11	108.29	70-130
47 1,2-Dichloropropan	10	11	106.32	70-130
48 1,4-Dioxane	10	12	116.39	70-130
50 Bromodichlorometha	10	11	114.94	70-130
51 cis-1,3-Dichloropr	10	11	106.04	70-130
52 Methyl Isobutyl Ke	10	11	109.83	70-130
54 Toluene	10	11	106.87	70-130
55 trans-1,3-Dichloro	10	11	106.82	70-130
56 1,1,2-Trichloroeth	10	10	103.32	70-130
57 Tetrachloroethene	10	11	107.53	70-130
58 Methyl Butyl Keton	10	11	109.51	70-130
59 Dibromochlorometha	10	12	116.79	70-130
60 1,2-Dibromoethane	10	11	107.21	70-130
62 Chlorobenzene	10	11	106.11	70-130
63 Ethylbenzene	10	11	108.74	70-130
64 Xylene (m,p)	20	21	106.86	70-130
65 Xylene (o)	10	11	105.78	70-130
66 Styrene	10	11	108.64	70-130
67 Bromoform	10	12	121.26	70-130
68 Cumene	10	11	110.66	70-130
69 1,1,2,2-Tetrachlor	10	11	107.71	70-130
M 70 Xylene (total)	30	32	106.11	70-130
72 n-Propylbenzene	10	11	111.63	70-130
74 4-Ethyltoluene	10	11	112.27	70-130
75 1,3,5-Trimethylben	10	11	109.38	70-130
76 2-Chlorotoluene	10	11	113.20	70-130
78 Tert-Butylbenzene	10	11	111.83	70-130
79 1,2,4-Trimethylben	10	11	106.52	70-130
80 Sec-Butylbenzene	10	11	111.44	70-130
81 4-Isopropyltoluene	10	11	113.41	70-130
82 1,3-Dichlorobenzen	10	11	107.16	70-130
83 1,4-Dichlorobenzen	10	11	107.39	70-130
86 Benzyl Chloride	10	11	109.33	70-130
87 n-Butylbenzene	10	11	114.13	70-130
88 1,2-Dichlorobenzen	10	11	105.37	70-130
90 1,2,4-Trichloroben	10	12	119.53	70-130
91 Hexachlorobutadien	10	12	118.44	70-130
92 Naphthalene	10	13	127.72	70-130

FORM 7
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: TESTAMERICA BURLINGTON Contract: 29000
 Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: NY134484
 Instrument ID: F Calibration Date: 11/11/09 Time: 1119
 Lab File ID: FDG10BV Init. Calib. Date(s): 11/09/09 11/10/09
 Heated Purge: (Y/N) N Init. Calib. Times: 2153 0832
 GC Column: RTX-624 ID: 0.32 (mm)

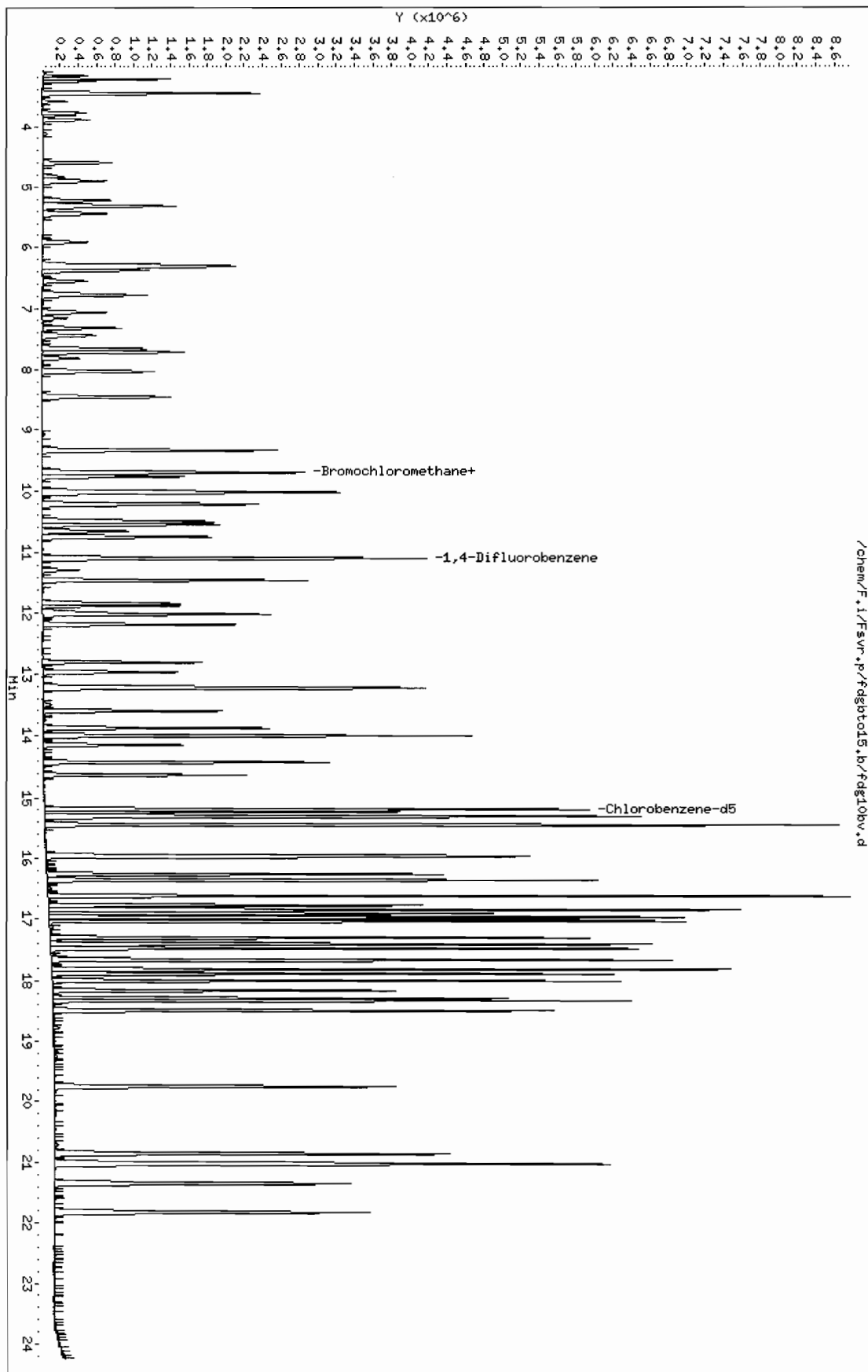
COMPOUND	RRF	RRF10	MIN RRF	%D	MAX %D
Vinyl Chloride	0.403	0.418	0.01	3.7	30.0
1,1-Dichloroethene	0.717	0.722	0.01	0.7	30.0
trans-1,2-Dichloroethene	0.884	0.905	0.01	2.4	30.0
cis-1,2-Dichloroethene	0.798	0.815	0.01	2.1	30.0
1,2-Dichloroethene (total)	0.841	0.860	0.01	2.2	30.0
Trichloroethene	0.231	0.236	0.01	2.2	30.0
Tetrachloroethene	0.436	0.452	0.01	3.7	30.0

FORM VII VOA

Data File: /chem/F.i/Fsuv.p/fdgbt015.b/fdgi0bv.d
Date: 11-NOV-2009 11:19
Client ID: ASTD010
Sample Info:
Purge Volume: 200.0
Column Phase: RTX-624

Instrument: F.i
Operator: wrd
Column diameter: 0.32

Page 2



Data File: /chem/F.i/Fsvr.p/fdgbto15.b/fdg10bv.d
Report Date: 16-Nov-2009 07:19

Page 1

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/F.i/Fsvr.p/fdgbto15.b/fdg10bv.d
Lab Smp Id: ASTD010 Client Smp ID: ASTD010
Inj Date : 11-NOV-2009 11:19
Operator : wrd Inst ID: F.i
Smp Info :
Misc Info : ASTD010;111109FA;1;200
Comment :
Method : /chem/F.i/Fsvr.p/fdgbto15.b/sto15.m
Meth Date : 16-Nov-2009 07:19 klp Quant Type: ISTD
Cal Date : 10-NOV-2009 08:32 Cal File: fdg05v2.d
Als bottle: 5 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ROUX1_Ocean.sub
Target Version: 3.50
Processing Host: chemsvr6

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

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

Cpnd Variable

Local Compound Variable

Compounds	QUANT SIG						AMOUNTS	
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppbv)	ON-COL (ppbv)
6 Vinyl Chloride	62	3.825	3.825	(0.395)	442116	10.0000	10	
18 1,1-Dichloroethene	96	6.377	6.382	(0.658)	763297	10.0000	10	
27 trans-1,2-Dichloroethene	61	7.709	7.714	(0.795)	957199	10.0000	10	
31 cis-1,2-Dichloroethene	96	9.330	9.335	(0.962)	861407	10.0000	10	
* 32 Bromochloromethane	128	9.694	9.699	(1.000)	1057237	10.0000		
M 40 1,2-Dichloroethene (total)	61				1818606	20.0000	20	
* 43 1,4-Difluorobenzene	114	11.085	11.090	(1.000)	5083280	10.0000		
45 Trichloroethene	95	11.443	11.448	(1.032)	1199306	10.0000	10	
57 Tetrachloroethene	166	13.995	14.000	(0.922)	2145943	10.0000	10	
* 61 Chlorobenzene-d5	117	15.182	15.188	(1.000)	4742483	10.0000		



Raw QC Data – TO-15 Volatile

Data File: /chem/F.i/Fsvr.p/fdgt015.b/fdg01pv.d

Page 3

Date : 09-NOV-2009 20:12

Client ID: VBFB

Instrument: F.i

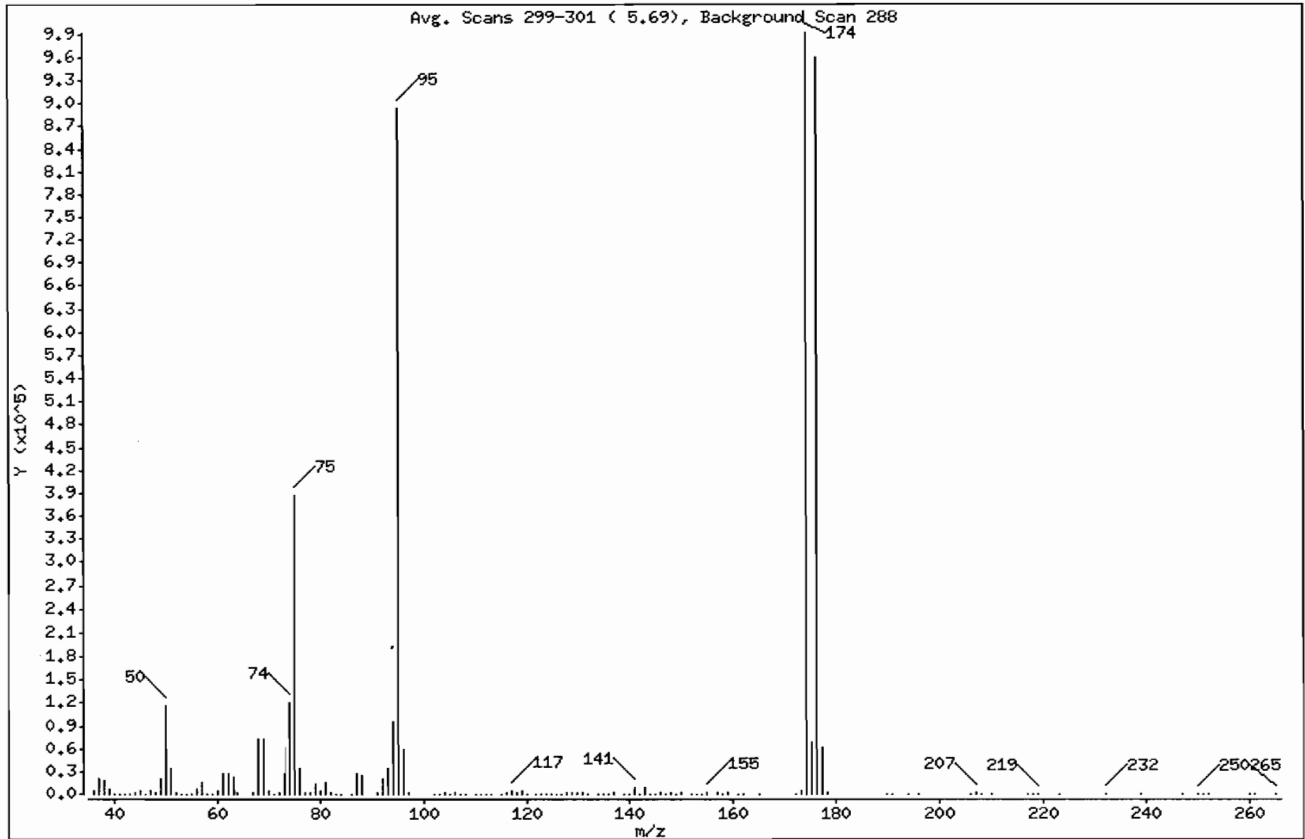
Sample Info: VBFB

Operator: und

Column phase: RTX-624

Column diameter: 0.32

\$ 1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	12.94
75	30.00 - 66.00% of mass 95	43.30
96	5.00 - 9.00% of mass 95	6.64
173	Less than 2.00% of mass 174	0.52 (0.47)
174	50.00 - 120.00% of mass 95	110.94
175	4.00 - 9.00% of mass 174	7.66 (6.90)
176	93.00 - 101.00% of mass 174	107.28 (96.70)
177	5.00 - 9.00% of mass 176	6.99 (6.52)

Data File: /chem/F.i/Fsvr,p/fdgto15,b/fdg01pv.d

Page 4

Date : 09-NOV-2009 20:12

Client ID: VBFB

Instrument: F.i

Sample Info: VBFB

Operator: wrd

Column phase: RTX-624

Column diameter: 0,32

Data File: fdg01pv.d

Spectrum: Avg. Scans 299-301 (5.69), Background Scan 288

Location of Maximum: 174.00

Number of points: 139

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	3434	73.00	28432	117.00	3998	157.00	2032
37.00	20080	74.00	121424	118.00	2636	158.00	276
38.00	18616	75.00	387008	119.00	3984	159.00	1209
39.00	7736	76.00	33096	120.00	89	161.00	957
40.00	279	77.00	3317	122.00	279	162.00	151
41.00	89	78.00	2154	123.00	345	165.00	142
42.00	7	79.00	13992	124.00	478	172.00	178
43.00	128	80.00	4224	125.00	479	173.00	4689
44.00	2254	81.00	15092	126.00	255	174.00	991680
45.00	4208	82.00	2953	127.00	124	175.00	68464
46.00	344	83.00	279	128.00	3330	176.00	958976
47.00	5114	84.00	241	129.00	1703	177.00	62472
48.00	2923	86.00	720	130.00	3335	178.00	1726
49.00	21256	87.00	26416	131.00	1447	190.00	83
50.00	115680	88.00	25248	132.00	327	191.00	99
51.00	33824	91.00	2124	134.00	158	194.00	89
52.00	1490	92.00	21552	135.00	1061	196.00	77
53.00	81	93.00	35064	136.00	159	206.00	71
54.00	7	94.00	95808	137.00	1217	207.00	1375
55.00	1053	95.00	893888	139.00	356	208.00	52
56.00	7838	96.00	59344	140.00	610	210.00	103
57.00	15696	97.00	1714	141.00	8325	217.00	74
58.00	847	102.00	78	142.00	963	218.00	29
59.00	91	103.00	276	143.00	8034	219.00	108
60.00	5057	104.00	2807	144.00	551	223.00	98
61.00	26584	105.00	914	145.00	512	232.00	160
62.00	28008	106.00	2998	146.00	1494	239.00	153
63.00	21808	107.00	738	147.00	482	247.00	66
64.00	2169	108.00	234	148.00	2269	250.00	246
67.00	1399	110.00	507	149.00	788	251.00	7
68.00	73344	111.00	587	150.00	1192	252.00	67
69.00	73000	112.00	428	152.00	533	260.00	11
70.00	5247	113.00	531	153.00	946	261.00	151
71.00	390	115.00	582	154.00	787	265.00	236
72.00	2917	116.00	2733	155.00	2810		

Data File: /chem/F.i/Fsvr.p/fdgto15,b/fdg01pv.d

Page 5

Date : 09-NOV-2009 20:12

Client ID: VBFB

Instrument: F.i

Sample Info: VBFB

Operator: wrd

Column phase: RTX-624

Column diameter: 0.32

Data File: fdg01pv.d

Spectrum: Avg. Scans 299-301 (5.69), Background Scan 288

Location of Maximum: 174.00

Number of points: 139

m/z	Y	m/z	Y	m/z	Y	m/z	Y
+-----+-----+-----+-----+							

Data File: /chem/F.i/Fsvr.p/fdgt015.b/fdg01pv.d

Page 2

Date : 09-NOV-2009 20:12

Client ID: VBFB

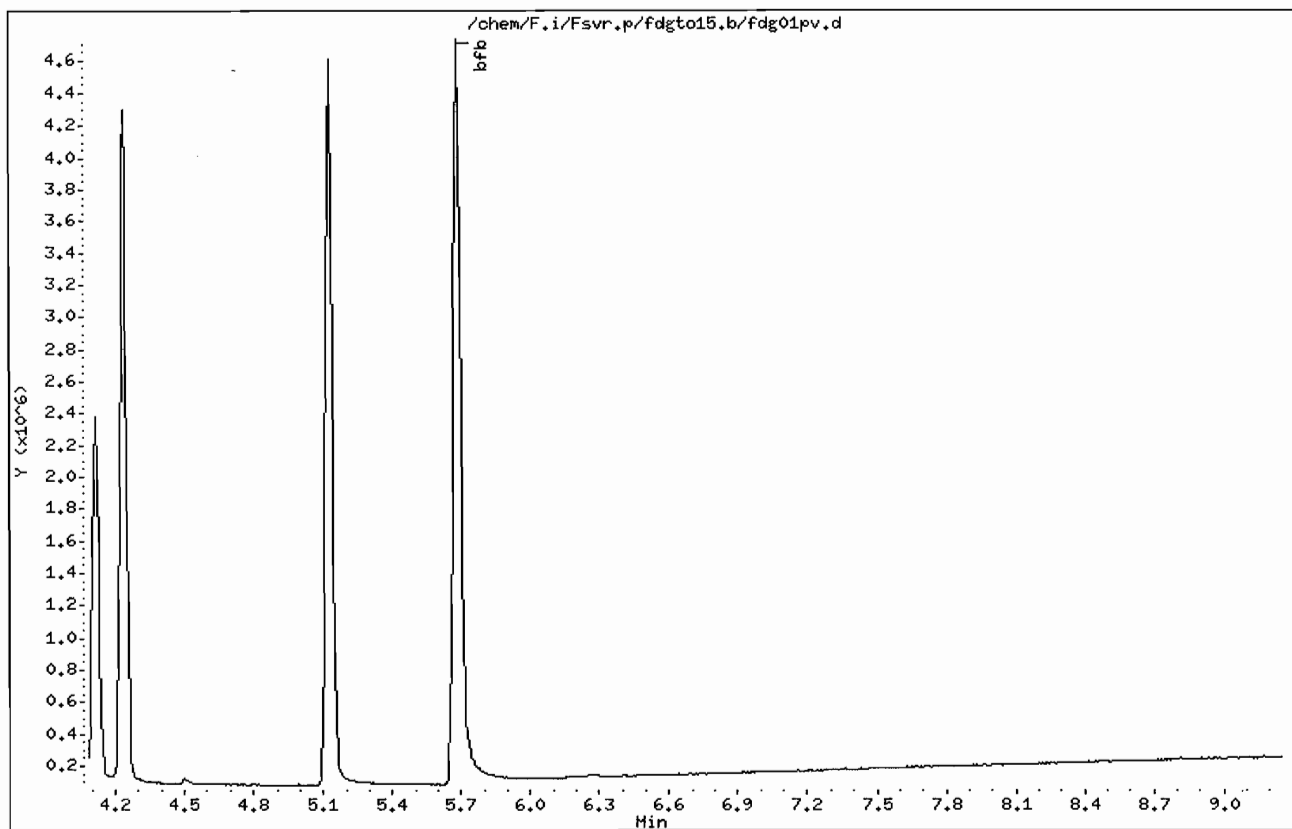
Instrument: F.i

Sample Info: VBFB

Operator: wrd

Column phase: RTX-624

Column diameter: 0.32



Data File: /chem/F.i/Fsvr.p/fdgkto15.b/fdg03pv.d

Page 2

Date : 11-NOV-2009 10:23

Client ID: VBFB

Instrument: F.i

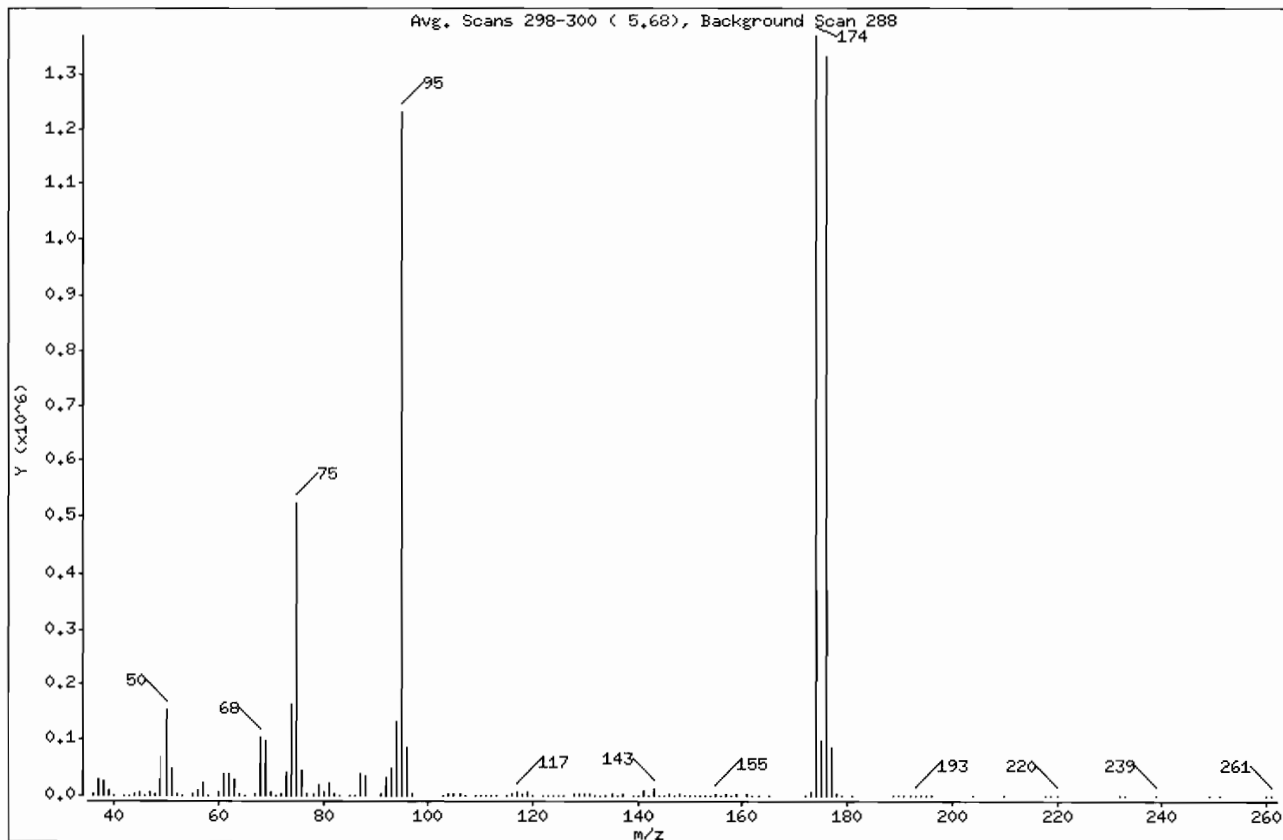
Sample Info: VBFB

Operator: wrd

Column phase: RTX-624

Column diameter: 0.32

‡ 1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	12.61
75	30.00 - 66.00% of mass 95	42.50
96	5.00 - 9.00% of mass 95	6.86
173	Less than 2.00% of mass 174	0.48 (0.43)
174	50.00 - 120.00% of mass 95	111.19
175	4.00 - 9.00% of mass 174	7.85 (7.06)
176	93.00 - 101.00% of mass 174	108.06 (97.18)
177	5.00 - 9.00% of mass 176	6.94 (6.43)

Data File: /chem/F.i/Fsvr.p/fdg03pv.d

Page 3

Date : 11-NOV-2009 10:23

Client ID: VBFB

Instrument: F.i

Sample Info: VBFB

Operator: wrd

Column phase: RTX-624

Column diameter: 0.32

Data File: fdg03pv.d

Spectrum: Avg. Scans 298-300 (5.68), Background Scan 288

Location of Maximum: 174.00

Number of points: 140

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	4403	76.00	45016	123.00	376	162.00	91
37.00	27832	77.00	4505	124.00	610	163.00	242
38.00	24592	78.00	3269	125.00	556	165.00	62
39.00	10400	79.00	20192	126.00	578	172.00	313
40.00	302	80.00	6407	128.00	4629	173.00	5947
42.00	30	81.00	20536	129.00	2260	174.00	1369088
43.00	96	82.00	4369	130.00	4312	175.00	96648
44.00	3000	83.00	369	131.00	1748	176.00	1330176
45.00	5954	85.00	198	132.00	297	177.00	85488
46.00	356	86.00	708	133.00	31	178.00	2454
47.00	6599	87.00	36480	134.00	218	179.00	31
48.00	4149	88.00	35040	135.00	2229	181.00	163
49.00	28928	91.00	2870	136.00	531	189.00	290
50.00	155264	92.00	29928	137.00	1931	190.00	73
51.00	46664	93.00	47632	139.00	404	191.00	161
52.00	1808	94.00	132864	140.00	751	192.00	197
53.00	67	95.00	1230848	141.00	10791	193.00	370
55.00	1713	96.00	84456	142.00	1524	194.00	11
56.00	10645	97.00	2704	143.00	11170	195.00	354
57.00	21824	103.00	296	144.00	698	196.00	80
58.00	837	104.00	4347	145.00	1028	204.00	69
60.00	6530	105.00	1589	146.00	1884	210.00	65
61.00	36368	106.00	4028	147.00	1117	218.00	87
62.00	37696	107.00	1253	148.00	2822	219.00	52
63.00	29656	109.00	67	149.00	1121	220.00	138
64.00	2791	110.00	584	150.00	1452	232.00	29
65.00	352	111.00	739	151.00	77	233.00	29
67.00	2238	112.00	442	152.00	752	239.00	213
68.00	102728	113.00	664	153.00	1060	249.00	19
69.00	98752	115.00	1144	154.00	988	251.00	71
70.00	7111	116.00	3570	155.00	3454	260.00	54
71.00	215	117.00	5850	156.00	478	261.00	98
72.00	4147	118.00	3707	157.00	2744		
73.00	39472	119.00	5598	158.00	369		
74.00	163584	120.00	147	159.00	1650		

Data File: /chem/F.i/Fsvr,p/fdgbto15,b/fdg03pv.d

Page 4

Date : 11-NOV-2009 10:23

Client ID: VBFB

Instrument: F.i

Sample Info: VBFB

Operator: wrd

Column phase: RTX-624

Column diameter: 0.32

Data File: fdg03pv.d

Spectrum: Avg. Scans 298-300 (5.68), Background Scan 288

Location of Maximum: 174.00

Number of points: 140

m/z	Y	m/z	Y	m/z	Y	m/z	Y
75.00	523264	122.00	313	161.00	1648		

Data File: /chem/F.i/Fsvr,p/fdgbto15,b/fdg03pv,d

Page 1

Date : 11-NOV-2009 10:23

Client ID: VBFB

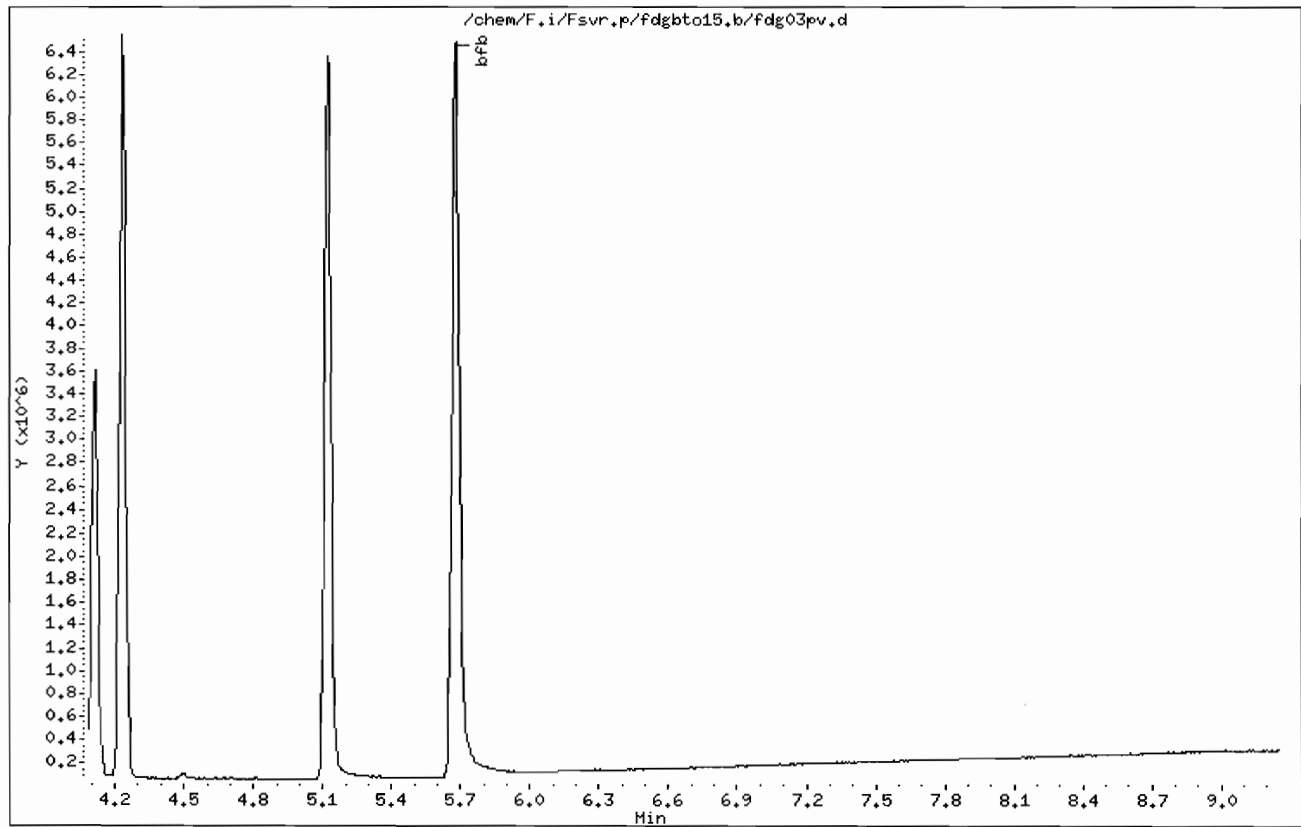
Instrument: F.i

Sample Info: VBFB

Operator: und

Column phase: RTX-624

Column diameter: 0.32



FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MBLK111109FA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: NY134484

Matrix: (soil/water) AIR Lab Sample ID: MBLK111109FA

Sample wt/vol: 250.0 (g/mL) ML Lab File ID: FDGB02B

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 11/11/09

GC Column: RTX-624 ID: 0.32 (mm) Dilution Factor: 0.8

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

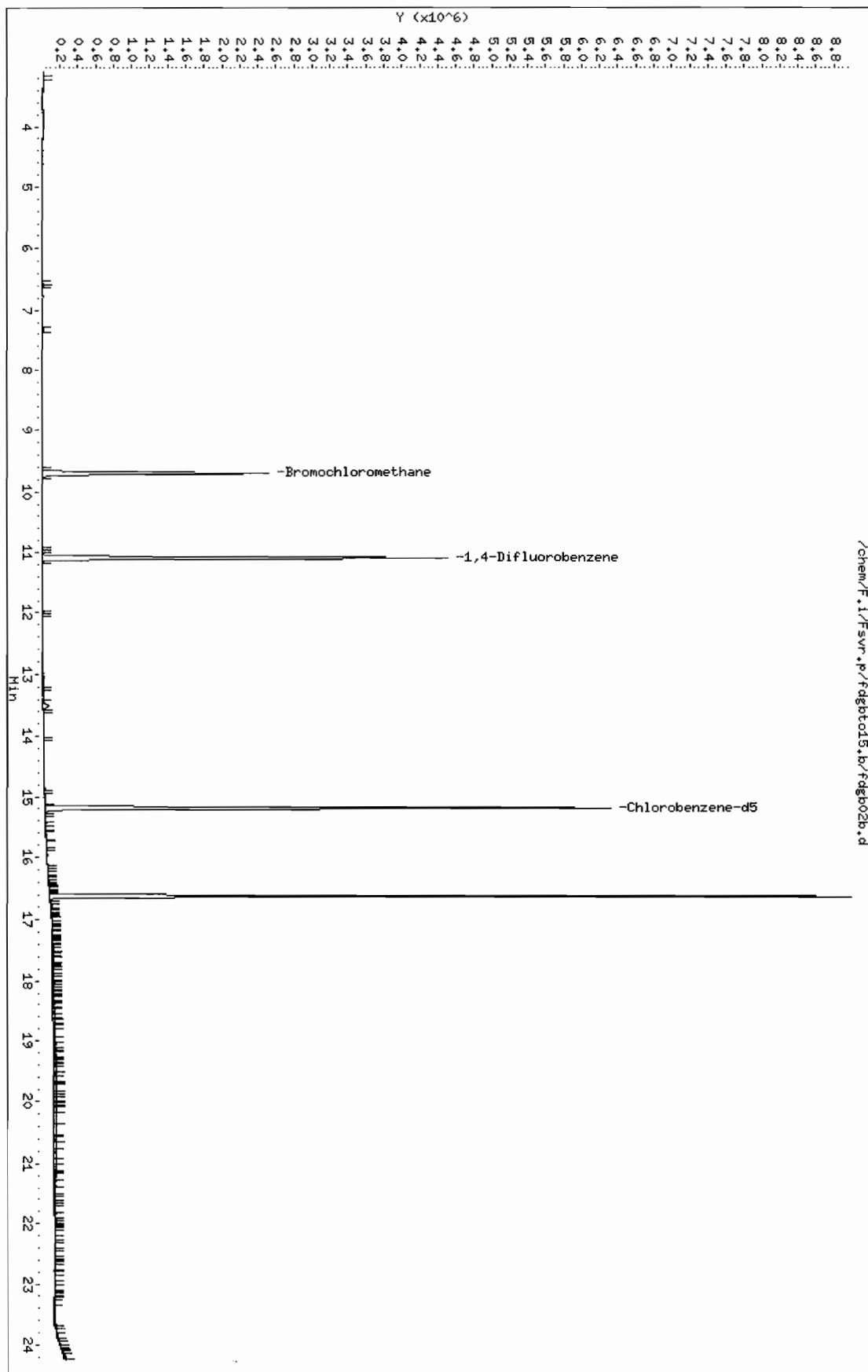
CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) PPBV		Q
75-01-4-----	Vinyl Chloride	0.16	U	
75-35-4-----	1,1-Dichloroethene	0.16	U	
156-60-5-----	trans-1,2-Dichloroethene	0.16	U	
156-59-2-----	cis-1,2-Dichloroethene	0.16	U	
540-59-0-----	1,2-Dichloroethene (total)	0.16	U	
79-01-6-----	Trichloroethene	0.16	U	
127-18-4-----	Tetrachloroethene	0.16	U	

FORM I VOA

Data File: /chem/F.1/Fsivr.p/fdgbt015.b/fdgb02b.d
Date: 11-NOV-2009 13:52
Client ID: MBLK11109FA
Sample Info:
Purge Volume: 250.0
Column phase: RTX-624

Instrument: F.1
Operator: und
Column diameter: 0.32

Page 2



Data File: /chem/F.i/Fsvr.p/fdgbt015.b/fdgb02b.d
Report Date: 16-Nov-2009 07:19

Page 1

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/F.i/Fsvr.p/fdgbt015.b/fdgb02b.d
Lab Smp Id: MBLK111109FA Client Smp ID: MBLK111109FA
Inj Date : 11-NOV-2009 13:52
Operator : wrd Inst ID: F.i
Smp Info :
Misc Info : MBLK111109FA;111109FA;0.8;250
Comment :
Method : /chem/F.i/Fsvr.p/fdgbt015.b/st015.m
Meth Date : 16-Nov-2009 07:19 klp Quant Type: ISTD
Cal Date : 10-NOV-2009 08:32 Cal File: fdg05v2.d
Als bottle: 3 QC Sample: BLANK
Dil Factor: 0.80000
Integrator: HP RTE Compound Sublist: ROUX1_Ocean.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	0.80000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	250.00000	Sample Volume purged (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG						CONCENTRATIONS	
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ppbv)	FINAL (ppbv)
=====	=====	=====	==	=====	=====	=====	=====	=====
6 Vinyl Chloride	62					Compound Not Detected.		
18 1,1-Dichloroethene	96					Compound Not Detected.		
27 trans-1,2-Dichloroethene	61					Compound Not Detected.		
31 cis-1,2-Dichloroethene	96					Compound Not Detected.		
* 32 Bromochloromethane	128		9.694	9.699	(1.000)	1140977	10.0000	
M 40 1,2-Dichloroethene (total)	61					Compound Not Detected.		
* 43 1,4-Difluorobenzene	114		11.085	11.090	(1.000)	5570394	10.0000	
45 Trichloroethene	95					Compound Not Detected.		
57 Tetrachloroethene	166					Compound Not Detected.		
* 61 Chlorobenzene-d5	117		15.182	15.188	(1.000)	5177932	10.0000	

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

FA111109LCS

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: NY134484

Matrix: (soil/water) AIR Lab Sample ID: FA111109LCS

Sample wt/vol: 200.0 (g/mL) ML Lab File ID: FDG10BQ

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 11/11/09

GC Column: RTX-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

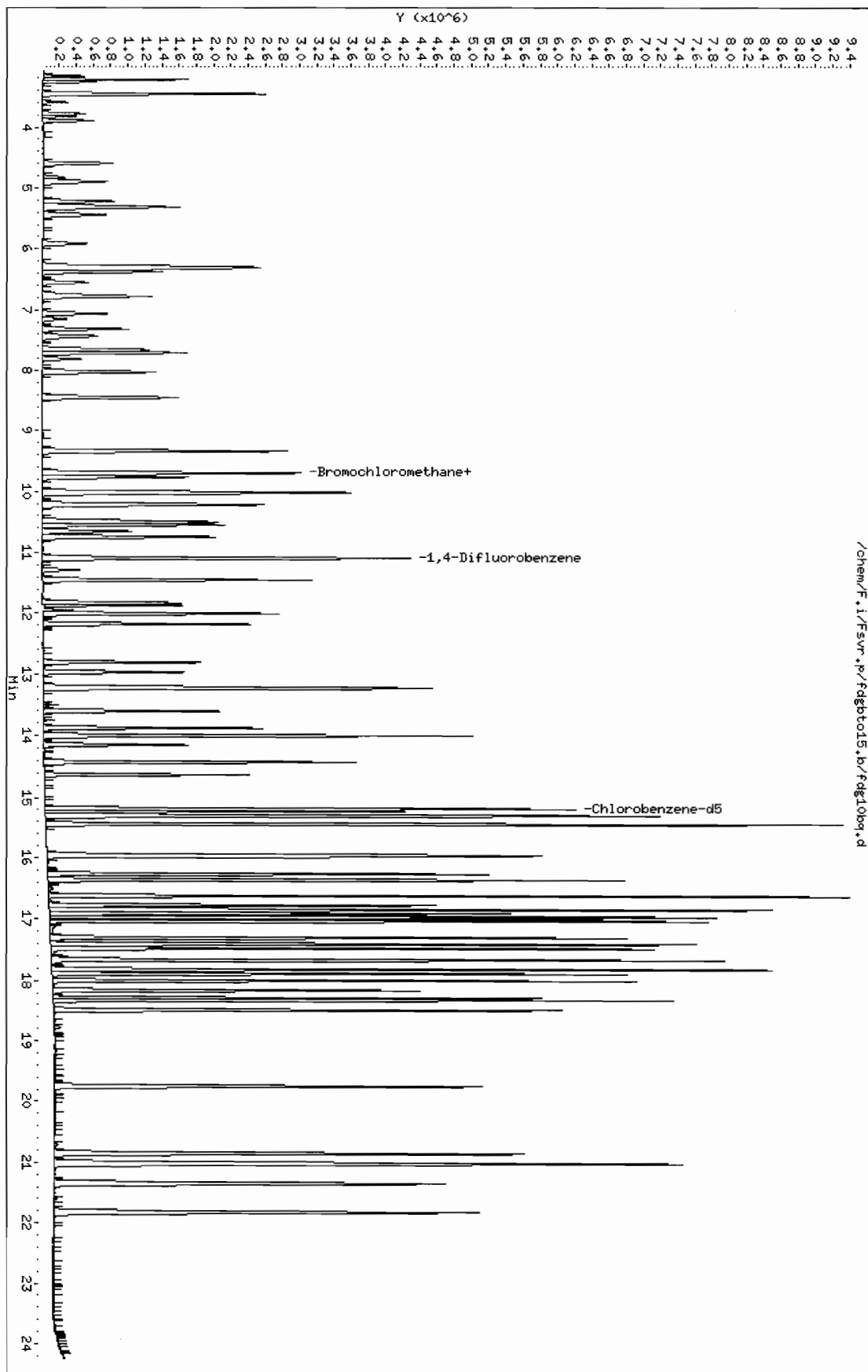
CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg) PPBV	Q
75-01-4-----	Vinyl Chloride	11	_____
75-35-4-----	1,1-Dichloroethene	12	_____
156-60-5-----	trans-1,2-Dichloroethene	11	_____
156-59-2-----	cis-1,2-Dichloroethene	11	_____
540-59-0-----	1,2-Dichloroethene (total)	22	_____
79-01-6-----	Trichloroethene	11	_____
127-18-4-----	Tetrachloroethene	11	_____

FORM I VOA

Data File: /chem/F.i/Fsyr.p/fdgbt015.b/fdg10bq.d
Date: 11-NOV-2009 12:09
Client ID: FA11109LCS
Sample Info:
Purge Volume: 200.0
Column phase: RTX-624

Instrument: F.i
Operator: wrd
Column diameter: 0.32

Page 2



TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/F.i/Fsvr.p/fdgbt015.b/fdg10bq.d
Lab Smp Id: FA111109LCS Client Smp ID: FA111109LCS
Inj Date : 11-NOV-2009 12:09
Operator : wrd Inst ID: F.i
Smp Info :
Misc Info : FA111109LCS;111109FA;1;200
Comment :
Method : /chem/F.i/Fsvr.p/fdgbt015.b/st015.m
Meth Date : 16-Nov-2009 07:19 klp Quant Type: ISTD
Cal Date : 10-NOV-2009 08:32 Cal File: fdg05v2.d
Als bottle: 2 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ROUX1_Ocean.sub
Target Version: 3.50
Processing Host: chemsvr6

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

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

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	CONCENTRATIONS						
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ppbv)	FINAL (ppbv)
6 Vinyl Chloride	62		3.825	3.825	(0.394)	477044	10.6727	11
18 1,1-Dichloroethene	96		6.377	6.382	(0.657)	930149	11.7051	12
27 trans-1,2-Dichloroethene	61		7.709	7.714	(0.795)	1057087	10.7935	11
31 cis-1,2-Dichloroethene	96		9.330	9.335	(0.962)	987499	11.1596	11
* 32 Bromochloromethane	128		9.699	9.699	(1.000)	1108619	10.0000	
M 40 1,2-Dichloroethene (total)	61					2044586	21.9531	22
* 43 1,4-Difluorobenzene	114		11.090	11.090	(1.000)	5301536	10.0000	
45 Trichloroethene	95		11.443	11.448	(1.032)	1309645	10.7053	11
57 Tetrachloroethene	166		13.995	14.000	(0.921)	2352518	10.7664	11
* 61 Chlorobenzene-d5	117		15.188	15.188	(1.000)	5015926	10.0000	



Sample Preparation – TO-15 Volatile

Client ID	SDG	ETR	Date	Time (Military)	Lab BP ("Hg)	Lab Temp (°C)	Pressure Gauge ID	Analyst
R00X1	M134484	134484	11/3/09	0915	29.7	22	G3	JH2
Sampling Information and Return Equipment Check						Yes	No	Comments
(1) Is a Field Test Data Sheet (FTDS) or similar sampling documentation present?						Y		
(2) Is the flow controller ID used for each canister recorded?						Y		
(3) Is visible sign of damage to canister and/or flow controller (FC) present?							N	
If damage observed, list equipment IDs and describe condition:								
Post-Sampling Return Pressure Check								
Lab ID	Canister ID	Pressure ¹ ("Hg)	Anomaly ² (Y/N)	FC ID ³	FC Return (Y/N)	Can Cert Batch ID	Comments	
812246	2781	-2.7	N	3251	Y	2781 BJKF		
812247	2532	-1.5		4511		3291 BJKF		
812248	4444	-3.7		4515				
812249	4016	0.0	Y	3118				
812250	3143	-5.9	N	3193		3143 BJKF		
812251	2587	0.0	Y	3117		3291 BJKF		
812252	2676	-6.1	N	2829		3291 BSKG		
JH2 11/3/09								

³ Record the ID of the FC used for sampling if information is provided, otherwise leave blank.

TestAmerica Burlington - Manual Integration Summary
SDG: fdgt015 Fraction: Volatile

Lab Sample ID	Client Sample ID	Sample Type	Inst.	Column	Analysis Date	Filename	Manual Integration Flag			Analyst	Date-Time	Sign-Off
							Compound					
	Peak RT											

ASTD0005 ~~ASTD0005~~ INIT. CALIB. F RTX-624 09-NOV-2009 22:44 FDG005V SV 11/11/09

17.007 2-Chlorotoluene M11 - Poor automated baseline sv 11/11/09 18:53

TestAmerica Burlington - Manual Integration Summary
SDG: NY134484 Fraction: Volatile

Lab Sample ID	Client Sample ID	Sample Type	Inst.	Column	Analysis Date	Filename	Manual Integration Flag	Analyst	Date-Time	Sign-Off
ASTB0005	ASID0005	INIT. CALIB.	F	RTX-624	09-NOV-2009-22:44	PB0005V				
	17.007	2-Chlorotoluene			M11 - Poor automated baseline				SV 11/11/09 18:53	

ASTB0005

INIT. CALIB.
17.007 2-Chlorotoluene

F RTX-624

09-NOV-2009-22:44

PB0005V

M11 - Poor automated baseline

SV 11/11/09 18:53

KLP 11/16/09

[illegible]BR-FAI027:10.29.08:2
TestAmerica

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

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Sequence			Standard Traceability			Instrument Information	
Batch ID:	Start Date:	Time:	ISTD Lot #:	Operator	Primary Anal.	Instrument ID: F	
Test Method:	End Date:	Time:	CAL STD Lot #	Volume (mL)	Result Conc.	Instrument: 5973	
ICAL Date:			ICV / LCS Lot #	Inlet #	Internal Std.	Column Type: RTX-624	
Manager	Analyst	Analyst	Analyst			Analyst	
Name/Initial							
Signature							
Injection Time	Lab ID / File Name	Summa Can ID	ETR	Dilution Factor	Operator	Individual Sample Review	Comments / Standard Traceability
1023	FDG03PV	NA	BFG	NA	NTK	NA	NTK
1119	FDG10BV	3865	CV		200	1	✓
1209	FDG10BQ	3634	LCS			2	✓
1300	FDG10BQ	4633	MLK			3	✓
1352	FDG10BQ	4633	MLK		250	3	✓
1443	812246	2281	13464	0.8	WLD	4	✓
1537	812247	2532				5	✓
1624	812248	4444				6	✓
1714	812249	4016				7	✓
1805	812250	3143				8	✓
1855	812251	2587				9	✓
1946	812252	2676				10	✓
2042	3624	NA	NA	0.2	1000	11	✓
2137	3504					12	✓
2233	2900					13	✓
2329	4318					14	✓
0026	4874					15	✓
0122	4206					16	✓
0218	4476					17	✓
0344	2544					18	✓
0410	4148					19	✓
0507	4019					20	✓
0603	3206					21	✓
0659	4363					22	✓
0749	3804			0.4	300	23	✓
0845	3876			0.2	1000	24	✓

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

BR-FAI027:10.29.08:2
TestAmerica

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Sample Handling

TestAmerica Burlington				
SAMPLE RECEIPT & LOG IN CHECKLIST				
Client: ROUXI	Date Received: 10/31/09	Log In Date: 11/16/09		
ETR: 134484	Time Received: 0930	By: [Signature]		
SDG: NY134484	Received By: JLD	Signature: [Signature]		
Project: 29000	# Coolers Received: 2 boxes	PM Signature: [Signature]		
Samples Delivered By: ☒ Shipping Service ☐ Courier ☐ Hand ☐ Other (specify)		Date: 11/5/09		
List Air bill Number(s) or Attach a photocopy of the Air Bill:				
COOLER SCREEN	YES	NO	NA	COMMENTS
There is no evidence to indicate tampering	X			
Custody seals are present and intact		X		
Custody seal numbers are present			X	
If yes, list custody seal numbers:				
Thermal Preservation Type: ☐ Wet Ice ☐ Blue Ice ☒ None ☐ Other (specify)				
IR Gun ID: 96	Correction Factor (CF) = 0 °C			
Cooler 1: Air °C	Cooler 6: °C	Cooler 11: °C	Cooler 16: °C	
Cooler 2: Air °C	Cooler 7: °C	Cooler 12: °C	Cooler 17: °C	
Cooler 3: °C	Cooler 8: °C	Cooler 13: °C	Cooler 18: °C	
Cooler 4: °C	Cooler 9: °C	Cooler 14: °C	Cooler 19: °C	
Cooler 5: °C	Cooler 10: °C	Cooler 15: °C	Cooler 20: °C	
Unless otherwise documented, the recorded temperature readings are adjusted readings to account for the CF of the IR Gun				
EPA Criteria: 0-6°C, except for air and geo samples which should be at ambient temperature and tissue samples, which may be frozen.				
Some clients require thermal preservation criteria of 2-4°C or other such criteria. The PM must notify SM when alternate criteria is specified.				
SAMPLE CONDITION	YES	NO	NA	COMMENTS
Sample containers were received intact	X			
Legible sample labels are affixed to each container	X			
CHAIN OF CUSTODY (COC)	YES	NO	NA	COMMENTS
COC is present and includes the following information for each container:				
• Sample ID / Sample Description	X			
• Date of Sample Collection	X			
• Time of Sample Collection	X			
• Identification of the Sampler	X			
• Preservation Type			X	
• Requested Tests Method(s)	X			
• Necessary Signatures	X			
Internal Chain of Custody (ICOC) Required		X		
If yes to above, ICOC Record initiated for every Worksheet			X	
SAMPLE INTEGRITY / USABILITY	YES	NO	NA	COMMENTS
The sample container matches the COC		X		See below
Appropriate sample containers were received for the tests requested	X			
Samples were received within holding time	X			
Sufficient amount of sample is provided for requested analyses	X			
VOA vials do not have headspace or a bubble >6mm (1/4" diameter)			X	
Appropriate preservatives were used for the tests requested			X	
pH of inorganic samples checked and is within method specification			X	
If no, attach Inorganic Sample pH Adjustment Form			X	
ANOMALY / NCR SUMMARY				
Sample labels do not list start times				

APPENDIX C

Data Usability Summary Reports

Data Validation Services

120 Cobble Creek Road P.O. Box 208
North Creek, NY 12853

Phone 518-251-4429
Facsimile 518-251-4428

April 30, 2008

Robert Kovacs
Roux Associates
209 Shafter St.
Islandia, NY 11749

RE: **Data Usability Summary Report for the Oceanside Plaza site**
TestAmerica-VT SDG No. NY123316
Soil Vapor and Air Samples

Dear Mr. Kovacs:

Review has been completed for the data package generated by TestAmerica that pertains to air samples collected 12/06/07 at the Oceanside Plaza site. Nine 6-L summa canisters, a field duplicate, and a field blank were analyzed for volatile analytes by USEPA TO-15.

The data packages submitted contained full deliverables for validation. This usability report is generated from full review of sample raw data, review of all QC summary forms, and limited review of associated QC raw data. The data and results of QC evaluations have been reviewed for application of validation qualifiers with consideration of the analytical method and the USEPA Region 2 validation SOP HW-18, as affects the usability of the sample data. The following items were reviewed:

- * Laboratory Narrative Discussion
- * Custody Documentation
- * Holding Times
- * Internal Standard Recoveries
- * Field Duplicate Correlation
- * Preparation/Calibration Blanks
- * Control Spike/Laboratory Control Samples
- * Instrumental Tunes
- * Calibration Standards
- * Instrument IDLs

Those items listed above which show deficiencies are discussed within the text of this narrative. All of the other items were determined to be acceptable.

In summary, sample processing was compliant with protocol requirements. Results for three samples are qualified as estimated in value, with a possible low bias, due to the fact that they were at ambient pressure at laboratory receipt. Many of the samples were processed at dilution due to high concentrations of target analytes. That results in elevated reporting limits for analytes not detected in those samples.

A copy of the laboratory case narrative, including sample IDs covered in this report, is attached to this text, and should be reviewed in conjunction with this narrative. Also included in this submission are sample results forms with recommended qualifiers and edits applied in red ink.

Volatile Analyses by EPA TO-15

Samples FB-120607, AMB, and IAQ-VAC were received with no vacuum remaining in the canister. This may indicate a low bias to those reported results when considered on a timeframe basis. Those samples' results have been qualified as estimated in value.

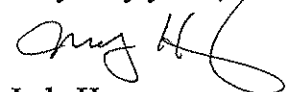
Holding times, instrument tunes, and sample internal standard responses were acceptable. Blanks show no contamination. Initial and continuing calibration standards meet protocol requirements.

Blind field duplicate evaluation was performed on sample VS-MRE. The detected value for tetrachloroethene in the duplicate was higher than that of the parent sample (at 83%RPD-more than a factor of two). Results for that compound in the parent and the duplicate have been qualified as estimated in value. Trichloroethene was detected in the parent sample, but the duplicate was diluted (due to the tetrachloroethene constituency) to where it was not detected therein.

Some of the samples were analyzed only at dilution based on screening results, in order to bring target analyte responses into calibration range. This results in elevated reporting limits for analytes not detected in those samples.

Please do not hesitate to contact me if questions or comments arise during your review of this report.

Very truly yours,



Judy Harry

VALIDATION QUALIFIER DEFINITIONS

DATA QUALIFIER DEFINITIONS

The following definitions provide brief explanations of the national qualifiers assigned to results in the data review process. If the Regions choose to use additional qualifiers, a complete explanation of those qualifiers should accompany the data review.

- U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
- J - The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
- N - The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification".
- NJ - The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.
- UJ - The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
- R - The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

LABORATORY SAMPLE IDs AND CASE NARRATIVE



THE LEADER IN ENVIRONMENTAL TESTING

December 13, 2007

Mr. Robert Kovacs
Roux Associates
209 Shafter Street
Islandia, NY 11749

Re: Laboratory Project No. 27000
Case: 27000; SDG: NY123316

Dear Mr. Kovacs:

Enclosed are the analytical results for the samples that were received by TestAmerica Burlington on December 7th, 2007. Laboratory identification numbers were assigned, and designated as follows:

<u>Lab ID</u>	<u>Client Sample ID</u>	<u>Sample Date</u>	<u>Sample Matrix</u>
Received: 12/07/07 ETR No: 123316			
734481	VS-DCF	12/06/07	AIR
734482	VS-MRE	12/06/07	AIR
734483	DUP-120607	12/06/07	AIR
734484	VS-DCR	12/06/07	AIR
734485	IAQ-BOOK	12/06/07	AIR
734486	VS-BOOK	12/06/07	AIR
734487	IAQ-VAC	12/06/07	AIR
734488	VS-VAC	12/06/07	AIR
734489	AMB	12/06/07	AIR
734490	VS-FENCE	12/06/07	AIR
734491	FB-120607	12/06/07	AIR

Documentation of the condition of the samples at the time of their receipt and any exception to the laboratory's Sample Acceptance Policy is documented in the Sample Handling section of this submittal.

EPA Method TO-15 – Volatile Organics:

The analyses of several samples in this delivery group were accomplished a dilution in order to get the response of the analyte with the highest concentration within the initial calibration range. Only the results for the dilution analyses were provided.

The analytical results associated with the samples presented in this test report were generated under a quality system that adheres to requirements specified in the NELAC standard. Release of the data in this test report and any associated electronic deliverables is authorized by the Laboratory Director's designee as verified by the following signature.

If there are any questions regarding this submittal, please contact me at 802 660-1990.

Sincerely,

A handwritten signature in black ink, appearing to read "Ron Pentkowski". The signature is fluid and cursive, with a large, sweeping initial "R".

Ron Pentkowski
Project Manager

Enclosure

QUALIFIED REPORT FORMS

**TO-14/15
Result Summary**

CLIENT SAMPLE NO.

VS-DCF

Lab Name: TAL Burlington

SDG Number: NY123316

Dilution Factor: 1.50

Sample Matrix: AIR

Lab Sample No.: 734481

Date Analyzed: 12/11/07

Date Received: 12/07/07

Target Compound	CAS Number	Results in ppbv	Q	RL in ppbv	Results in ug/m3	Q	RL in ug/m3
Vinyl Chloride	75-01-4	0.30	U	0.30	0.77	U	0.77
1,1-Dichloroethene	75-35-4	0.30	U	0.30	1.2	U	1.2
trans-1,2-Dichloroethene	156-60-5	0.30	U	0.30	1.2	U	1.2
1,2-Dichloroethene (total)	540-59-0	0.30	U	0.30	1.2	U	1.2
cis-1,2-Dichloroethene	156-59-2	0.30	U	0.30	1.2	U	1.2
Trichloroethene	79-01-6	0.46		0.30	2.5		1.6
Tetrachloroethene	127-18-4	51		0.30	350		2.0

**TO-14/15
Result Summary**

CLIENT SAMPLE NO.

VS-MRE

Lab Name: TAL Burlington

SDG Number: NY123316

Dilution Factor: 348.00

Sample Matrix: AIR

Lab Sample No.: 734482

Date Analyzed: 12/11/07

Date Received: 12/07/07

Target Compound	CAS Number	Results in ppbv	Q	RL in ppbv	Results in ug/m3	Q	RL in ug/m3
Vinyl Chloride	75-01-4	70	U	70	180	U	180
1,1-Dichloroethene	75-35-4	70	U	70	280	U	280
trans-1,2-Dichloroethene	156-60-5	70	U	70	280	U	280
1,2-Dichloroethene (total)	540-59-0	70	U	70	280	U	280
cis-1,2-Dichloroethene	156-59-2	70	U	70	280	U	280
Trichloroethene	79-01-6	71		70	380		380
Tetrachloroethene	127-18-4	7400	J	70	50000	J	470

**TO-14/15
Result Summary**

CLIENT SAMPLE NO.

DUP-120607

Lab Name: TAL Burlington

SDG Number: NY123316

Dilution Factor: 899.00

Sample Matrix: AIR

Lab Sample No.: 734483

Date Analyzed: 12/11/07

Date Received: 12/07/07

Target Compound	CAS Number	Results in ppbv	Q	RL in ppbv	Results in ug/m3	Q	RL in ug/m3
Vinyl Chloride	75-01-4	180	U	180	460	U	460
1,1-Dichloroethene	75-35-4	180	U	180	710	U	710
trans-1,2-Dichloroethene	156-60-5	180	U	180	710	U	710
1,2-Dichloroethene (total)	540-59-0	180	U	180	710	U	710
cis-1,2-Dichloroethene	156-59-2	180	U	180	710	U	710
Trichloroethene	79-01-6	180	U	180	970	U	970
Tetrachloroethene	127-18-4	18000	J	180	120000	J	1200

**TO-14/15
Result Summary**

CLIENT SAMPLE NO.

VS-DCR

Lab Name: TAL Burlington

SDG Number: NY123316

Dilution Factor: 399.00

Sample Matrix: AIR

Lab Sample No.: 734484

Date Analyzed: 12/11/07

Date Received: 12/07/07

Target Compound	CAS Number	Results in ppbv	Q	RL in ppbv	Results in ug/m3	Q	RL in ug/m3
Vinyl Chloride	75-01-4	80	U	80	200	U	200
1,1-Dichloroethene	75-35-4	80	U	80	320	U	320
trans-1,2-Dichloroethene	156-60-5	80	U	80	320	U	320
1,2-Dichloroethene (total)	540-59-0	80	U	80	320	U	320
cis-1,2-Dichloroethene	156-59-2	80	U	80	320	U	320
Trichloroethene	79-01-6	80	U	80	430	U	430
Tetrachloroethene	127-18-4	12000		80	81000		540

**TO-14/15
Result Summary**

CLIENT SAMPLE NO.

IAQ-BOOK

Lab Name: TAL Burlington

SDG Number: NY123316

Dilution Factor: 0.80

Sample Matrix: AIR

Lab Sample No.: 734485

Date Analyzed: 12/11/07

Date Received: 12/07/07

Target Compound	CAS Number	Results in ppbv	Q	RL in ppbv	Results in ug/m3	Q	RL in ug/m3
Vinyl Chloride	75-01-4	0.16	U	0.16	0.41	U	0.41
1,1-Dichloroethene	75-35-4	0.16	U	0.16	0.63	U	0.63
trans-1,2-Dichloroethene	156-60-5	0.16	U	0.16	0.63	U	0.63
1,2-Dichloroethene (total)	540-59-0	0.16	U	0.16	0.63	U	0.63
cis-1,2-Dichloroethene	156-59-2	0.16	U	0.16	0.63	U	0.63
Trichloroethene	79-01-6	1.1		0.16	5.9		0.86
Tetrachloroethene	127-18-4	13		0.16	88		1.1

**TO-14/15
Result Summary**

CLIENT SAMPLE NO.

VS-BOOK

Lab Name: TAL Burlington

SDG Number: NY123316

Dilution Factor: 60.40

Sample Matrix: AIR

Lab Sample No.: 734486

Date Analyzed: 12/11/07

Date Received: 12/07/07

Target Compound	CAS Number	Results in ppbv	Q	RL in ppbv	Results in ug/m3	Q	RL in ug/m3
Vinyl Chloride	75-01-4	12	U	12	31	U	31
1,1-Dichloroethene	75-35-4	12	U	12	48	U	48
trans-1,2-Dichloroethene	156-60-5	12	U	12	48	U	48
1,2-Dichloroethene (total)	540-59-0	12	U	12	48	U	48
cis-1,2-Dichloroethene	156-59-2	12	U	12	48	U	48
Trichloroethene	79-01-6	12	U	12	64	U	64
Tetrachloroethene	127-18-4	1200		12	8100		81

**TO-14/15
Result Summary**

CLIENT SAMPLE NO.

IAQ-VAC

Lab Name: TAL Burlington

SDG Number: NY123316

Dilution Factor: 0.80

Sample Matrix: AIR

Lab Sample No.: 734487

Date Analyzed: 12/11/07

Date Received: 12/07/07

Target Compound	CAS Number	Results in ppbv	Q	RL in ppbv	Results in ug/m3	Q	RL in ug/m3
Vinyl Chloride	75-01-4	0.16	U <i>UJ</i>	0.16	0.41	U <i>UJ</i>	0.41
1,1-Dichloroethene	75-35-4	0.16	U	0.16	0.63	U	0.63
trans-1,2-Dichloroethene	156-60-5	0.16	U	0.16	0.63	U	0.63
1,2-Dichloroethene (total)	540-59-0	0.16	U	0.16	0.63	U	0.63
cis-1,2-Dichloroethene	156-59-2	0.16	U	0.16	0.63	U	0.63
Trichloroethene	79-01-6	0.16	U <i>UJ</i>	0.16	0.86	U <i>UJ</i>	0.86
Tetrachloroethene	127-18-4	0.39	<i>J</i>	0.16	2.6	<i>J</i>	1.1

**TO-14/15
Result Summary**

CLIENT SAMPLE NO.

VS-VAC

Lab Name: TAL Burlington

SDG Number: NY123316

Dilution Factor: 149.00

Sample Matrix: AIR

Lab Sample No.: 734488

Date Analyzed: 12/12/07

Date Received: 12/07/07

Target Compound	CAS Number	Results in ppbv	Q	RL in ppbv	Results in ug/m3	Q	RL in ug/m3
Vinyl Chloride	75-01-4	30	U	30	77	U	77
1,1-Dichloroethene	75-35-4	30	U	30	120	U	120
trans-1,2-Dichloroethene	156-60-5	30	U	30	120	U	120
1,2-Dichloroethene (total)	540-59-0	30	U	30	120	U	120
cis-1,2-Dichloroethene	156-59-2	30	U	30	120	U	120
Trichloroethene	79-01-6	30	U	30	160	U	160
Tetrachloroethene	127-18-4	2700		30	18000		200

**TO-14/15
Result Summary**

CLIENT SAMPLE NO.

AMB

Lab Name: TAL Burlington

SDG Number: NY123316

Dilution Factor: 0.80

Sample Matrix: AIR

Lab Sample No.: 734489

Date Analyzed: 12/12/07

Date Received: 12/07/07

Target Compound	CAS Number	Results in ppbv	Q	RL in ppbv	Results in ug/m3	Q	RL in ug/m3
Vinyl Chloride	75-01-4	0.16	U <i>U</i>	0.16	0.41	U <i>U</i>	0.41
1,1-Dichloroethene	75-35-4	0.16	U	0.16	0.63	U	0.63
trans-1,2-Dichloroethene	156-60-5	0.16	U	0.16	0.63	U	0.63
1,2-Dichloroethene (total)	540-59-0	0.16	U	0.16	0.63	U	0.63
cis-1,2-Dichloroethene	156-59-2	0.16	U	0.16	0.63	U	0.63
Trichloroethene	79-01-6	0.16	U	0.16	0.86	U	0.86
Tetrachloroethene	127-18-4	0.16	U <i>U</i>	0.16	1.1	U <i>U</i>	1.1

**TO-14/15
Result Summary**

CLIENT SAMPLE NO.

VS-FENCE

Lab Name: TAL Burlington

SDG Number: NY123316

Dilution Factor: 1.50

Sample Matrix: AIR

Lab Sample No.: 734490

Date Analyzed: 12/12/07

Date Received: 12/07/07

Target Compound	CAS Number	Results in ppbv	Q	RL in ppbv	Results in ug/m3	Q	RL in ug/m3
Vinyl Chloride	75-01-4	0.30	U	0.30	0.77	U	0.77
1,1-Dichloroethene	75-35-4	0.30	U	0.30	1.2	U	1.2
trans-1,2-Dichloroethene	156-60-5	0.30	U	0.30	1.2	U	1.2
1,2-Dichloroethene (total)	540-59-0	0.30	U	0.30	1.2	U	1.2
cis-1,2-Dichloroethene	156-59-2	0.30	U	0.30	1.2	U	1.2
Trichloroethene	79-01-6	0.30	U	0.30	1.6	U	1.6
Tetrachloroethene	127-18-4	35		0.30	240		2.0

**TO-14/15
Result Summary**

CLIENT SAMPLE NO.

FB-120607

Lab Name: TAL Burlington

SDG Number: NY123316

Dilution Factor: 0.80

Sample Matrix: AIR

Lab Sample No.: 734491

Date Analyzed: 12/12/07

Date Received: 12/07/07

Target Compound	CAS Number	Results in ppbv	Q	RL in ppbv	Results in ug/m3	Q	RL in ug/m3
Vinyl Chloride	75-01-4	0.16	U u J	0.16	0.41	U u J	0.41
1,1-Dichloroethene	75-35-4	0.16	U	0.16	0.63	U	0.63
trans-1,2-Dichloroethene	156-60-5	0.16	U	0.16	0.63	U	0.63
1,2-Dichloroethene (total)	540-59-0	0.16	U	0.16	0.63	U	0.63
cis-1,2-Dichloroethene	156-59-2	0.16	U	0.16	0.63	U	0.63
Trichloroethene	79-01-6	0.16	U	0.16	0.86	U	0.86
Tetrachloroethene	127-18-4	0.16	U	0.16	1.1	U	1.1

Data Validation Services

120 Cobble Creek Road P.O. Box 208

North Creek, NY 12853

Phone 518-251-4429

Facsimile 518-251-4428

November 18, 2009

Rob Kovacs
Roux Associates
209 Shafter St.
Islandia, NY 11747

RE: Data Usability Summary Report (DUSR) of Oceanside site data packages –air samples
TAL-VT NY133422 and NY133428

Dear Mr. Kovacs:

Review has been completed for the data packages generated by TestAmerica Laboratories that pertain to analysis of 6-L summa canister air samples collected 09/02/09 and 09/04/09 at the Oceanside site. Four 6- L summa canister air samples were analyzed for seven site-specific volatile analytes by USEPA GC/MS method TO-15.

The data packages submitted by the laboratory contain full deliverables for validation, but this usability report is generated from review of the QC summary form information, with full review of sample raw data and limited review of associated QC raw data. Full validation has not been performed. However, the reported QC summary forms and sample raw data have been reviewed for application of validation qualifiers, with guidance from the 2006 USEPA Region II validation SOP HW-31, and in consideration of the specific requirements of the analytical methodology. The following items were reviewed:

- * Data Completeness
- * Case Narrative
- * Custody Documentation
- * Holding Times
- * Internal Standard Recoveries
- * Method Blanks
- * Laboratory Control Samples (LCSs)
- * Instrumental Tunes
- * Initial and Continuing Calibration Standards
- * Method Compliance
- * Sample Result Verification

Those items listed above which show deficiencies are discussed within the text of this narrative. All of the other items were determined to be acceptable for the DUSR level of review.

In summary, sample processing was conducted primarily in compliance with the analysis protocol. All sample reported results are usable as reported. However three of the four samples were processed at dilution, resulting in elevated reporting limits above the requested level of 1 ug/M3 for undetected analytes.

Copies of the laboratory case narratives and client/laboratory sample identifications are attached to this text. Also attached are sample report forms.

Volatile Analyses by EPA TO-15

Holding times were met, internal standard responses are acceptable, and instrument tunes meet fragmentation requirements.

No project specific accuracy or precision data are available. Spiked controls show acceptable recoveries.

IAQ-VAC and IAQ-BOOK were diluted prior to analysis (based on screen results) due to the high concentration of tetrachloroethene in those samples. The dilutions were performed at factors that brought the responses for that compound into the established instrument linear range. VS-MRE was diluted four-fold due to non-target component concentrations, in order to avoid overloading the instrumentation. Reporting limits for the undetected analytes are elevated accordingly.

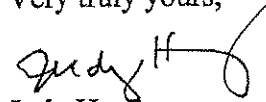
Initial and continuing calibration standard (ICV and CCV) linearity and calibration verification responses were compliant.

Data Package Completeness

Clean canister certification documentation was not available in the data package, but can be requested of the laboratory if full validation is required.

Please do not hesitate to contact me if questions or comments arise during your review of this report.

Very truly yours,


Judy Harry

**CLIENT and LABORATORY SAMPLE IDs
and CASE NARRATIVES**



THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

September 18, 2009

Mr. Rob Kovacs
Roux Associates
209 Shafter Street
Islandia, NY 11749

Re: Laboratory Project No. 29000
Case: 29000; SDG: NY133422

Dear Mr. Kovacs:

Enclosed are the analytical results for the samples that were received by TestAmerica Burlington on September 5th, 2009. Laboratory identification numbers were assigned, and designated as follows:

<u>Lab ID</u>	<u>Client Sample ID</u>	<u>Sample Date</u>	<u>Sample Matrix</u>
Received: 09/05/09 ETR No: 133422			
805648	VS-MRE	09/04/09	AIR

Documentation of the condition of the samples at the time of their receipt and any exception to the laboratory's Sample Acceptance Policy is documented in the Sample Handling section of this submittal.

The volatile organics analysis for the sample referenced above was accomplished at dilution based on a screen analysis, which showed the presence of non-target analytes at concentrations sufficient to interfere with instrument operation at full strength.

Any reference within this report to Severn Trent Laboratories, Inc. or STL, should be understood to refer to TestAmerica Laboratories, Inc. (formerly known as Severn Trent Laboratories, Inc.) The analytical results associated with the samples presented in this test report were generated under a quality system that adheres to requirements specified in the NELAC standard. Release of the data in this test report and any associated electronic deliverables is authorized by the Laboratory Director's designee as verified by the following signature.

If there are any questions regarding this submittal, please contact me at 802 660-1990.

Sincerely,

Don Dawicki
Project Manager

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

September 17, 2009

Mr. Rob Kovacs
Roux Associates
209 Shafter Street
Islandia, NY 11749

Re: Laboratory Project No. 29000
Case: 29000; SDG: NY133428

Dear Mr. Kovacs:

Enclosed are the analytical results for the samples that were received by TestAmerica Burlington on September 4th, 2009. Laboratory identification numbers were assigned, and designated as follows:

<u>Lab ID</u>	<u>Client Sample ID</u>	<u>Sample Date</u>	<u>Sample Matrix</u>
Received: 09/04/09 ETR No: 133420			
805636	IAQ-VAC	09/02/09	AIR
805637	AMB-FENCE	09/02/09	AIR
805638	IAQ-BOOK	09/02/09	AIR

Documentation of the condition of the samples at the time of their receipt and any exception to the laboratory's Sample Acceptance Policy is documented in the Sample Handling section of this submittal.

The volatile organics analyses for samples IAQ-VAC and IAQ-BOOK were accomplished at dilution based on screen analyses, to ensure quantitation of all target constituents within the range of calibrated instrument response.

Any reference within this report to Severn Trent Laboratories, Inc. or STL, should be understood to refer to TestAmerica Laboratories, Inc. (formerly known as Severn Trent Laboratories, Inc.) The analytical results associated with the samples presented in this test report were generated under a quality system that adheres to requirements specified in the NELAC standard. Release of the data in this test report and any associated electronic deliverables is authorized by the Laboratory Director's designee as verified by the following signature.



If there are any questions regarding this submittal, please contact me at 802 660-1990.

Sincerely,

A handwritten signature in black ink, appearing to read "Don Dawicki", is written over the typed name.

Don Dawicki
Project Manager

SAMPLE RESULTS FORMS

TO-14/15
Result Summary

CLIENT SAMPLE NO.

VS-MRE

Lab Name: TAL Burlington

SDG Number: NY133422

Dilution Factor: 4.00

Sample Matrix: AIR

Lab Sample No.: 805648

Date Analyzed: 9/10/2009

Date Received: 9/5/2009

Target Compound	CAS Number	Results in ppbv	Q	RL in ppbv	Results in ug/m3	Q	RL in ug/m3
Vinyl Chloride	75-01-4	0.80	U	0.80	2.0	U	2.0
1,1-Dichloroethene	75-35-4	0.80	U	0.80	3.2	U	3.2
trans-1,2-Dichloroethene	156-60-5	0.80	U	0.80	3.2	U	3.2
cis-1,2-Dichloroethene	156-59-2	0.80	U	0.80	3.2	U	3.2
1,2-Dichloroethene (total)	540-59-0	0.80	U	0.80	3.2	U	3.2
Trichloroethene	79-01-6	9.4		0.80	51		4.3
Tetrachloroethene	127-18-4	5.5		0.80	37		5.4

TO-14/15
Result Summary

CLIENT SAMPLE NO.

IAQ-VAC

Lab Name: TAL Burlington

SDG Number: NY133428

Dilution Factor: 5.00

Sample Matrix: AIR

Lab Sample No.: 805636

Date Analyzed: 9/9/2009

Date Received: 9/4/2009

Target Compound	CAS Number	Results in ppbv	Q	RL in ppbv	Results in ug/m3	Q	RL in ug/m3
Vinyl Chloride	75-01-4	1.0	U	1.0	2.6	U	2.6
1,1-Dichloroethene	75-35-4	1.0	U	1.0	4.0	U	4.0
trans-1,2-Dichloroethene	156-60-5	1.0	U	1.0	4.0	U	4.0
cis-1,2-Dichloroethene	156-59-2	1.0	U	1.0	4.0	U	4.0
1,2-Dichloroethene (total)	540-59-0	1.0	U	1.0	4.0	U	4.0
Trichloroethene	79-01-6	1.0	U	1.0	5.4	U	5.4
Tetrachloroethene	127-18-4	130		1.0	880		6.8

**TO-14/15
Result Summary**

CLIENT SAMPLE NO.

AMB-FENCE

Lab Name: TAL Burlington

SDG Number: NY133428

Dilution Factor: 0.80

Sample Matrix: AIR

Lab Sample No.: 805637

Date Analyzed: 9/9/2009

Date Received: 9/4/2009

Target Compound	CAS Number	Results in ppbv	Q	RL in ppbv	Results in ug/m3	Q	RL in ug/m3
Vinyl Chloride	75-01-4	0.16	U	0.16	0.41	U	0.41
1,1-Dichloroethene	75-35-4	0.16	U	0.16	0.63	U	0.63
trans-1,2-Dichloroethene	156-60-5	0.16	U	0.16	0.63	U	0.63
cis-1,2-Dichloroethene	156-59-2	0.16	U	0.16	0.63	U	0.63
1,2-Dichloroethene (total)	540-59-0	0.16	U	0.16	0.63	U	0.63
Trichloroethene	79-01-6	0.16	U	0.16	0.86	U	0.86
Tetrachloroethene	127-18-4	0.16	U	0.16	1.1	U	1.1

**TO-14/15
Result Summary**

CLIENT SAMPLE NO.

IAQ-BOOK

Lab Name: TAL Burlington

SDG Number: NY133428

Dilution Factor: 2.50

Sample Matrix: AIR

Lab Sample No.: 805638

Date Analyzed: 9/9/2009

Date Received: 9/4/2009

Target Compound	CAS Number	Results in ppbv	Q	RL in ppbv	Results in ug/m3	Q	RL in ug/m3
Vinyl Chloride	75-01-4	0.50	U	0.50	1.3	U	1.3
1,1-Dichloroethene	75-35-4	0.50	U	0.50	2.0	U	2.0
trans-1,2-Dichloroethene	156-60-5	0.50	U	0.50	2.0	U	2.0
cis-1,2-Dichloroethene	156-59-2	0.50	U	0.50	2.0	U	2.0
1,2-Dichloroethene (total)	540-59-0	0.50	U	0.50	2.0	U	2.0
Trichloroethene	79-01-6	0.50	U	0.50	2.7	U	2.7
Tetrachloroethene	127-18-4	74		0.50	500		3.4

Data Validation Services

120 Cobble Creek Road P.O. Box 208
North Creek, NY 12853

Phone 518-251-4429
Facsimile 518-251-4428

November 27, 2009

Robert Kovacs
Roux Associates
209 Shafter St.
Islandia, NY 11747

RE: Data Usability Summary Report (DUSR) of Oceanside site data packages –air samples
TAL-VT SDG No. NY134484

Dear Mr. Kovacs:

Review has been completed for the data package generated by TestAmerica Laboratories that pertains to analysis of 6-L summa canister air samples collected 10/28/09 at the Oceanside site. Seven 6- L summa canister air samples were analyzed for seven site-specific volatile analytes by USEPA GC/MS method TO-15.

The data packages submitted by the laboratory contain full deliverables for validation, but this usability report is generated from review of the QC summary form information, with full review of sample raw data and limited review of associated QC raw data. Full validation has not been performed. However, the reported QC summary forms and sample raw data have been reviewed for application of validation qualifiers, with guidance from the 2006 USEPA Region II validation SOP HW-31, and in consideration of the specific requirements of the analytical methodology. The following items were reviewed:

- * Data Completeness
- * Case Narrative
- * Custody Documentation
- * Holding Times
- * Internal Standard Recoveries
- * Method Blanks
- * Laboratory Control Samples (LCSs)
- * Instrumental Tunes
- * Initial and Continuing Calibration Standards
- * Method Compliance
- * Sample Result Verification

Those items listed above which show deficiencies are discussed within the text of this narrative. All of the other items were determined to be acceptable for the DUSR level of review.

In summary, sample processing was conducted in compliance with the analysis protocol. All sample reported results are usable, although results for two of the samples are qualified as estimated due to the lack of residual vacuum at sample receipt.

Copies of the laboratory case narrative and client/laboratory sample identifications are attached to this text. Also attached are sample report forms.

Volatile Analyses by EPA TO-15

Holding times were met, internal standard responses are acceptable, and instrument tunes meet fragmentation requirements.

Control spikes show acceptable recoveries. No precision data are available.

VS-VAC and VS-BOOK were received with no vacuum remaining in the canisters. Therefore, the reported results for those two samples are qualified as estimated in value, with a possible low bias.

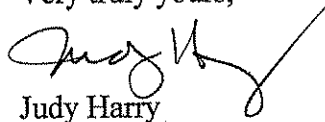
Initial and continuing calibration standard (ICV and CCV) linearity and calibration verification responses were compliant.

Data Package Completeness

Clean canister certification documentation was not available in the data package, but can be requested of the laboratory if full validation is required.

Please do not hesitate to contact me if questions or comments arise during your review of this report.

Very truly yours,


Judy Harry

VALIDATION DATA QUALIFIER DEFINITIONS

- U** The analyte was analyzed for, but was not detected above the level of the associated reported quantitation limit.
- J** The analyte was positively identified; the associated numerical value is an approximate concentration of the analyte in the sample.
- UJ** The analyte was not detected. The associated reported quantitation limit is an estimate and may be inaccurate or imprecise.
- NJ** The detection is tentative in identification and estimated in value. Although there is presumptive evidence of the analyte, the result should be used with caution as a potential false positive and/or elevated quantitative value.
- R** The data are unusable. The analyte may or may not be present.
- EMPC** The results do not meet all criteria for a confirmed identification. The quantitative value represents the Estimated Maximum Possible Concentration of the analyte in the sample.

**CLIENT and LABORATORY SAMPLE IDs
and CASE NARRATIVE**



THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

November 17, 2009

Mr. Rob Kovacs
Roux Associates
209 Shafter Street
Islandia, NY 11749

Re: Laboratory Project No. 29000
Case: 29000; SDG: NY134484

Dear Mr. Kovacs:

Enclosed are the analytical results for the samples that were received by TestAmerica Burlington on October 31st, 2009. Laboratory identification numbers were assigned, and designated as follows:

<u>Lab ID</u>	<u>Client Sample ID</u>	<u>Sample Date</u>	<u>Sample Matrix</u>
Received: 10/31/09 ETR No: 134484			
812246	VS-DCF	10/28/09	AIR
812247	VS-MRE	10/28/09	AIR
812248	VS-DCR	10/28/09	AIR
812249	VS-VAC	10/28/09	AIR
812250	IAQ-VAC	10/28/09	AIR
812251	VS-BOOK	10/28/09	AIR
812252	IAQ-BOOK	10/28/09	AIR

Documentation of the condition of the samples at the time of their receipt and any exception to the laboratory's Sample Acceptance Policy is documented in the Sample Handling section of this submittal.

During the canister pressure check performed upon receipt, it was observed that samples VS-VAC and VS-BOOK were received at ambient pressure. The analysis of this sample proceeded at the client's request.

Manual integration was employed in deriving certain of the analytical results. The values that have been derived from manual integration are qualified on the quantitation reports, and extracted ion current profiles are included in the data package.



THE LEADER IN ENVIRONMENTAL TESTING

Any reference within this report to Severn Trent Laboratories, Inc. or STL, should be understood to refer to TestAmerica Laboratories, Inc. (formerly known as Severn Trent Laboratories, Inc.) The analytical results associated with the samples presented in this test report were generated under a quality system that adheres to requirements specified in the NELAC standard. Release of the data in this test report and any associated electronic deliverables is authorized by the Laboratory Director's designee as verified by the following signature.

If there are any questions regarding this submittal, please contact me at 802 660-1990.

Sincerely,

A handwritten signature in cursive script, reading "Sara Goff". The signature is written in dark ink on a white background.

Sara Goff
Project Manager

Enclosure

QUALIFIED SAMPLE RESULTS FORMS

**TO-14/15
Result Summary**

CLIENT SAMPLE NO.

VS-DCF

Lab Name: TAL Burlington

SDG Number: NY134484

Dilution Factor: 0.80

Sample Matrix: AIR

Lab Sample No.: 812246

Date Analyzed: 11/11/2009

Date Received: 10/31/2009

Target Compound	CAS Number	Results in ppbv	Q	RL in ppbv	Results in ug/m3	Q	RL in ug/m3
Vinyl Chloride	75-01-4	0.16	U	0.16	0.41	U	0.41
1,1-Dichloroethene	75-35-4	0.16	U	0.16	0.63	U	0.63
trans-1,2-Dichloroethene	156-60-5	0.16	U	0.16	0.63	U	0.63
cis-1,2-Dichloroethene	156-59-2	0.16	U	0.16	0.63	U	0.63
1,2-Dichloroethene (total)	540-59-0	0.16	U	0.16	0.63	U	0.63
Trichloroethene	79-01-6	0.16	U	0.16	0.86	U	0.86
Tetrachloroethene	127-18-4	0.33		0.16	2.2		1.1

**TO-14/15
Result Summary**

CLIENT SAMPLE NO.

VS-MRE

Lab Name: TAL Burlington

SDG Number: NY134484

Dilution Factor: 0.80

Sample Matrix: AIR

Lab Sample No.: 812247

Date Analyzed: 11/11/2009

Date Received: 10/31/2009

Target Compound	CAS Number	Results In ppbv	Q	RL In ppbv	Results In ug/m3	Q	RL In ug/m3
Vinyl Chloride	75-01-4	0.16	U	0.16	0.41	U	0.41
1,1-Dichloroethene	75-35-4	0.16	U	0.16	0.63	U	0.63
trans-1,2-Dichloroethene	156-60-5	0.16	U	0.16	0.63	U	0.63
cis-1,2-Dichloroethene	156-59-2	0.16	U	0.16	0.63	U	0.63
1,2-Dichloroethene (total)	540-59-0	0.16	U	0.16	0.63	U	0.63
Trichloroethene	79-01-6	2.7		0.16	15		0.86
Tetrachloroethene	127-18-4	0.37		0.16	2.5		1.1

**TO-14/15
Result Summary**

CLIENT SAMPLE NO.

VS-DCR

Lab Name: TAL Burlington

SDG Number: NY134484

Dilution Factor: 0.80

Sample Matrix: AIR

Lab Sample No.: 812248

Date Analyzed: 11/11/2009

Date Received: 10/31/2009

Target Compound	CAS Number	Results in ppbv	Q	RL in ppbv	Results in ug/m3	Q	RL in ug/m3
Vinyl Chloride	75-01-4	0.16	U	0.16	0.41	U	0.41
1,1-Dichloroethene	75-35-4	0.16	U	0.16	0.63	U	0.63
trans-1,2-Dichloroethene	156-60-5	0.16	U	0.16	0.63	U	0.63
cis-1,2-Dichloroethene	156-59-2	0.16	U	0.16	0.63	U	0.63
1,2-Dichloroethene (total)	540-59-0	0.16	U	0.16	0.63	U	0.63
Trichloroethene	79-01-6	0.16	U	0.16	0.86	U	0.86
Tetrachloroethene	127-18-4	0.43		0.16	2.9		1.1

**TO-14/15
Result Summary**

CLIENT SAMPLE NO.

VS-VAC

Lab Name: TAL Burlington

SDG Number: NY134484

Dilution Factor: 0.80

Sample Matrix: AIR

Lab Sample No.: 812249

Date Analyzed: 11/11/2009

Date Received: 10/31/2009

Target Compound	CAS Number	Results in ppbv	Q	RL in ppbv	Results in ug/m3	Q	RL in ug/m3
Vinyl Chloride	75-01-4	0.16	U	0.16	0.41	U	0.41
1,1-Dichloroethene	75-35-4	0.16	U	0.16	0.63	U	0.63
trans-1,2-Dichloroethene	156-60-5	0.16	U	0.16	0.63	U	0.63
cis-1,2-Dichloroethene	156-59-2	0.16	U	0.16	0.63	U	0.63
1,2-Dichloroethene (total)	540-59-0	0.16	U	0.16	0.63	U	0.63
Trichloroethene	79-01-6	0.16	U	0.16	0.86	U	0.86
Tetrachloroethene	127-18-4	0.35	U	0.16	2.4	U	1.1

**TO-14/15
Result Summary**

CLIENT SAMPLE NO.

IAQ-VAC

Lab Name: TAL Burlington

SDG Number: NY134484

Dilution Factor: 0.80

Sample Matrix: AIR

Lab Sample No.: 812250

Date Analyzed: 11/11/2009

Date Received: 10/31/2009

Target Compound	CAS Number	Results in ppbv	Q	RL in ppbv	Results in ug/m3	Q	RL in ug/m3
Vinyl Chloride	75-01-4	0.16	U	0.16	0.41	U	0.41
1,1-Dichloroethene	75-35-4	0.16	U	0.16	0.63	U	0.63
trans-1,2-Dichloroethene	156-60-5	0.16	U	0.16	0.63	U	0.63
cis-1,2-Dichloroethene	156-59-2	0.16	U	0.16	0.63	U	0.63
1,2-Dichloroethene (total)	540-59-0	0.16	U	0.16	0.63	U	0.63
Trichloroethene	79-01-6	0.16	U	0.16	0.86	U	0.86
Tetrachloroethene	127-18-4	1.1		0.16	7.5		1.1

**TO-14/15
Result Summary**

CLIENT SAMPLE NO.

VS-BOOK

Lab Name: TAL Burlington

SDG Number: NY134484

Dilution Factor: 0.80

Sample Matrix: AIR

Lab Sample No.: 812251

Date Analyzed: 11/11/2009

Date Received: 10/31/2009

Target Compound	CAS Number	Results In ppbv	Q	RL in ppbv	Results In ug/m3	Q	RL in ug/m3
Vinyl Chloride	75-01-4	0.16	U	0.16	0.41	U	0.41
1,1-Dichloroethene	75-35-4	0.16	U	0.16	0.63	U	0.63
trans-1,2-Dichloroethene	156-60-5	0.16	U	0.16	0.63	U	0.63
cis-1,2-Dichloroethene	156-59-2	0.16	U	0.16	0.63	U	0.63
1,2-Dichloroethene (total)	540-59-0	0.16	U	0.16	0.63	U	0.63
Trichloroethene	79-01-6	0.16	U	0.16	0.86	U	0.86
Tetrachloroethene	127-18-4	0.37	U	0.16	2.5	U	1.1

**TO-14/15
Result Summary**

CLIENT SAMPLE NO.

IAQ-BOOK

Lab Name: TAL Burlington

SDG Number: NY134484

Dilution Factor: 0.80

Sample Matrix: AIR

Lab Sample No.: 812252

Date Analyzed: 11/11/2009

Date Received: 10/31/2009

Target Compound	CAS Number	Results in ppbv	Q	RL in ppbv	Results in ug/m3	Q	RL in ug/m3
Vinyl Chloride	75-01-4	0.16	U	0.16	0.41	U	0.41
1,1-Dichloroethene	75-35-4	0.16	U	0.16	0.63	U	0.63
trans-1,2-Dichloroethene	156-60-5	0.16	U	0.16	0.63	U	0.63
cis-1,2-Dichloroethene	156-59-2	0.16	U	0.16	0.63	U	0.63
1,2-Dichloroethene (total)	540-59-0	0.16	U	0.16	0.63	U	0.63
Trichloroethene	79-01-6	0.16	U	0.16	0.86	U	0.86
Tetrachloroethene	127-18-4	1.6		0.16	11		1.1

APPENDIX D

Blower and Vapor-Phase Carbon Drum
Cut Sheets

DR 656 & CP 656 Regenerative Blower

FEATURES

- Manufactured in the USA
- CE compliant – Declaration of Conformity on file
- Maximum flow: 210 SCFM
- Maximum pressure: 106 IWG
- Maximum vacuum: 6.39" Hg (87 IWG)
- Standard motor: 4.0 HP, TEFC
- Cast aluminum blower housing, impeller & cover;
- cast iron muffler extension & flanges (threaded)
- UL & CSA approved motor with permanently sealed ball bearings
- Inlet & outlet internal muffling
- Quiet operation within OSHA standards

MOTOR OPTIONS

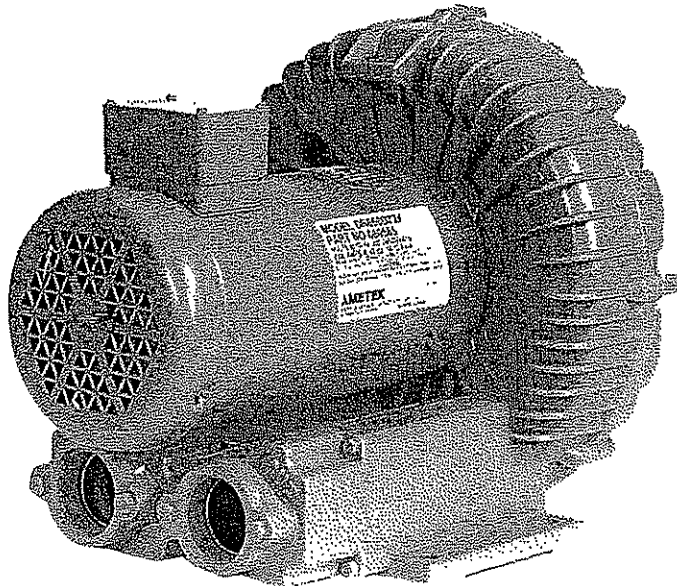
- International voltage & frequency (Hz)
- Chemical duty, high efficiency, inverter duty or industry-specific designs
- Various horsepower for application-specific needs

BLOWER OPTIONS

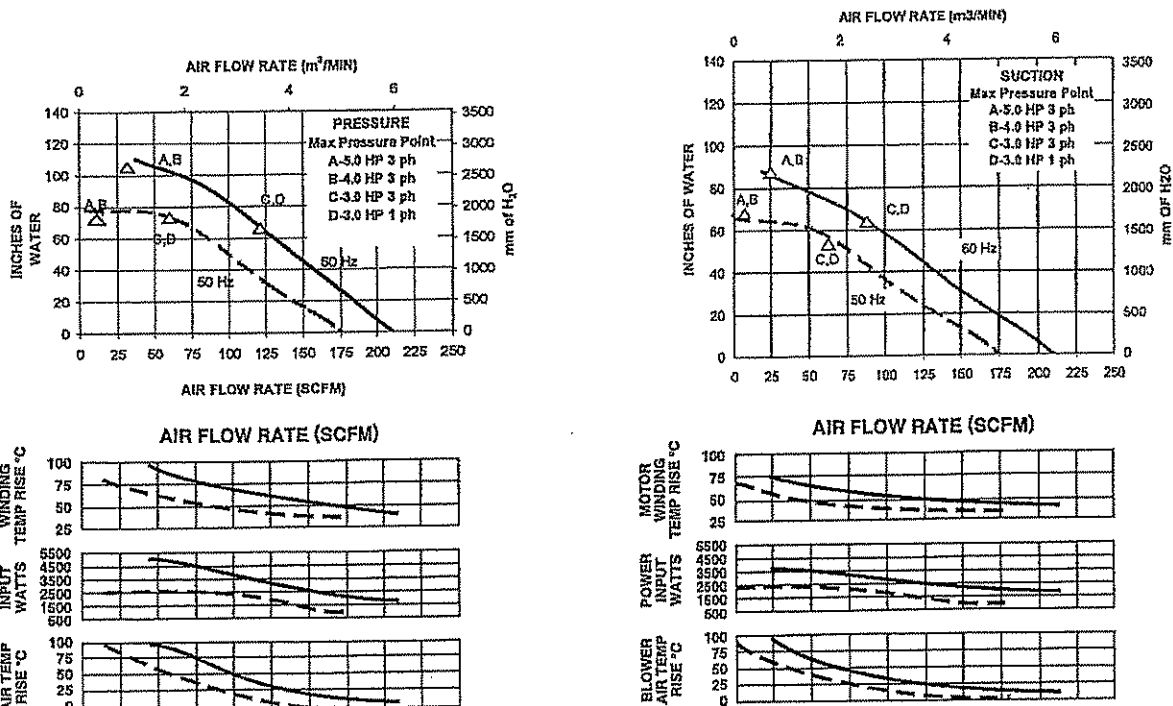
- Corrosion resistant surface treatments & sealing options
- Remote drive (motorless) models
- Slip-on or face flanges for application-specific needs
- Cast iron cover for additional noise resonance

ACCESSORIES (See Catalog Accessory Section)

- Flowmeters reading in SCFM
- Filters & moisture separators
- Pressure gauges, vacuum gauges & relief valves
- Switches – air flow, pressure, vacuum or temperature
- External mufflers for additional silencing
- Air knives (used on blow-off applications)

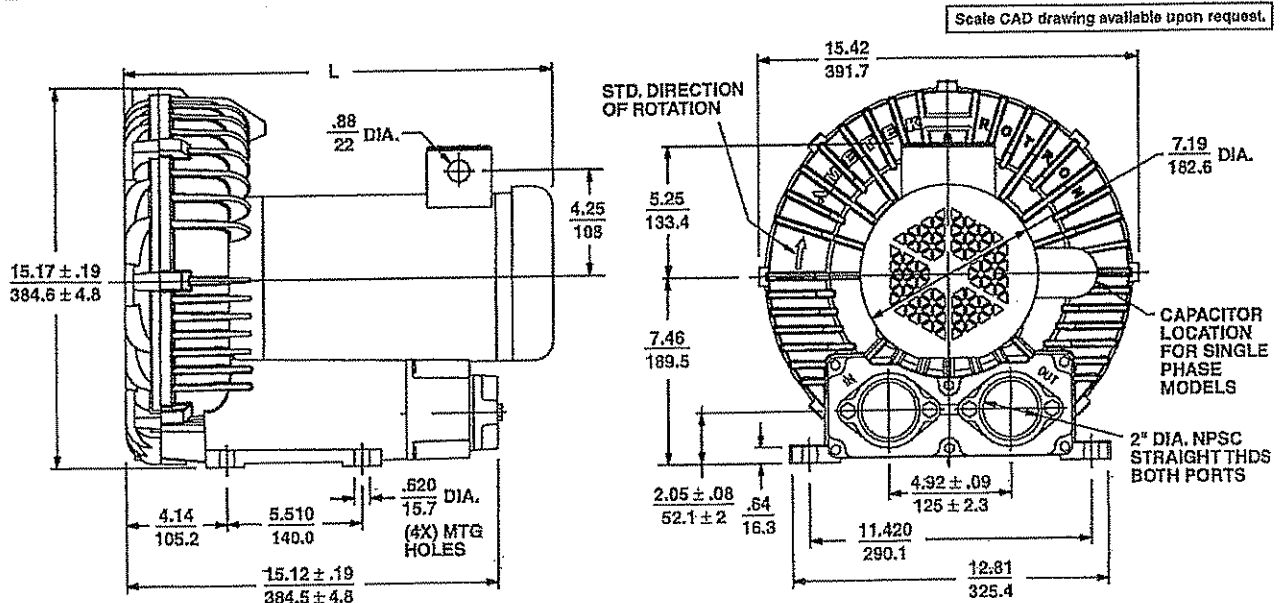


BLOWER PERFORMANCE AT STANDARD CONDITIONS



Rev. 6/08

DR 656 & CP 656 Regenerative Blower



DIMENSIONS: IN
MM
TOLERANCES: .XX ± .08
(UNLESS OTHERWISE NOTED)

MODEL	L (IN)	L (MM)
DR656D72/86X	17.77	451.3
DR656CK72/86X	17.39	441.7
DR656K58X	17.39	441.7

SPECIFICATIONS

MODEL	DR656CK72X	DR656CK86X	DR656K72X	DR656K58X	DR656D72X	DR656D86X	CP656CR72XLR
Part No.	080582	080583	080602	080603	080585	080604	080065
Motor Enclosure – Shaft Material	TEFC – CS	TEFC – CS	TEFC – CS	TEFC – CS	TEFC – CS	TEFC – CS	ChemTEFC – SS
Horsepower	4	4	3	3	5	5	4
Voltage ¹	230/460	575	230/460	115/230	230/460	575	Same as DR656CK72X 080582 except add Chemical Processing (CP) features from catalog page iii
Phase – Frequency ¹	Three-60 Hz	Three-50/60 Hz	Three-60 Hz	Single-60 Hz	Three-60 Hz	Three-60 Hz	
Insulation Class ²	F	F	F	F	F	F	
NEMA Rated Motor Amps	10/5	4	7.4/3.7	31/15.5	12.8/6.4	4.8	
Service Factor	1.15	1.0	1.15	1.0	1.0	1.15	
Locked Rotor Amps	94/47	80	54/27	200/100	160/80	60	
Max. Blower Amps ³	11.4/5.7	4.56	8.8/4.4	27.8/13.9	13/6.5	5.2	
Recommended NEMA Starter Size	1/0	0	0/0	1.5/1	1/1	1	
Shipping Weight	110 lb (49.9 kg)	110 lb (49.9 kg)	114 lb (51.8 kg)	112 lb (50.8 kg)	112 lb (50.8 kg)	114 lb (51.8 kg)	

¹ Rotron motors are designed to handle a broad range of world voltages and power supply variations. Our dual voltage 3 phase motors are factory tested and certified to operate on both: 208-230/415-460 VAC-3 ph-60 Hz and 200-220/380-415 VAC-3 ph-50 Hz. Our dual voltage 1 phase motors are factory tested and certified to operate on both: 104-115/208-230 VAC-1 ph-60 Hz and 100-110/200-220 VAC-1 ph-50 Hz. All voltages above can handle a ±10% voltage fluctuation. Special wound motors can be ordered for voltages outside our certified range.

² Maximum operating temperature: Motor winding temperature (winding rise plus ambient) should not exceed 140°C for Class F rated motors or 120°C for Class B rated motors. Blower outlet air temperature should not exceed 140°C (air temperature rise plus inlet temperature). Performance curve maximum pressure and suction points are based on a 40°C inlet and ambient temperature. Consult factory for inlet or ambient temperatures above 40°C.

³ Maximum blower amps corresponds to the performance point at which the motor or blower temperature rise with a 40°C inlet and/or ambient temperature reaches the maximum operating temperature.

Specifications subject to change without notice. Please consult your Local Field Sales Engineer for specification updates.

Rev. 6/08

Vent-Scrub® Vapor Phase Adsorbers

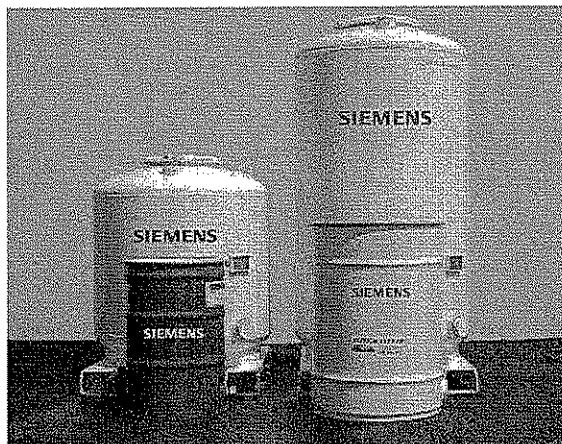
Applications

The Vent-Scrub® adsorbers have been proven to be the simplest and most cost effective way to treat malodorous and VOC emission problems. Sturdy steel construction and specially formulated corrosion resistant internal coating ensures long service life and low maintenance. Applications for Vent-Scrub® adsorbers include:

- API separator vents
- VOC control from soil vapor extraction (SVE) systems and airstrippers
- Wastewater and product storage tank vents
- Process vents
- Refinery and chemical plant wastewater sewer vents
- Laboratory hood exhausts

Installation, Startup and Operation

Siemens can provide a total service package that includes utilizing OSHA trained personnel providing on-site carbon changeouts, packaging and transportation of spent carbon for recycling at our reactivation facilities, where the contaminants are thermally destroyed.



We provide instructions on sampling the spent carbon and completion of our spent carbon profile form. Spent carbon acceptance testing can be performed at our certified laboratory.

When requested, a certificate of reactivation will be issued.

Benefits and Design Features

- Durable, carbon steel construction.
- Abrasion and corrosion resistant baked epoxy lining, urethane exterior finish (Vent-Scrub® 1000, 2000, 3000, 8000 adsorbers).
- Ready-to-use systems: simple installation and operation.
- Applications to 3750 SCFM.
- The Vent-Scrub® 1000, 2000, 3000 and 8000 adsorbers have forklift channels for easy handling.
- The Vent-Scrub® 200, 400, 1000 and 2000 adsorbers are UN/DOT approved transportation containers for RCRA hazardous spent carbon.
- Hose kit and pipe manifold options are available to simplify installation and operation.

Piping Manifold (Optional)

- 2" / 3" sch 80 PVC piping and valves (optional carbon steel and stainless steel piping).
- Series or parallel operation.
- Sampling ports and pressure gauges.
- Flexible hoses with Kamlock fittings allow easy installation and removal during service exchange operations (Vent-Scrub® 200, 400, 1000 and 2000 adsorbers).



Specification					
Vent-Scrub® Adsorber Model No.	200	400	1000/2000	3000	8000
Dimensions, diameter x overall height	22" x 34"	32" x 43"	48" x 59"/48" x 95"	60" x 112"	96" x 131"
Inlet Connection	2" FNPT	4" FNPT	4" FNPT	10" Flange	16" Flange
Outlet Connection	2" MPT	4" FNPT	4" FNPT	10" Flange	16" Flange
Manway	Top	Top	18" Top	16" Top	20" Top/Side
Internal Distribution ⁽¹⁾	PVC	PVC	PVC	FRP/PPL	FRP/PPL
Interior Coating	Epoxy	Epoxy	Epoxy	Epoxy	Epoxy
Exterior Coating	Enamel	Enamel	Epoxy/Urethane	Epoxy/Urethane	Epoxy/Urethane
Carbon Fill Volume (Cu.ft.)	6.8	14	34/68	107	273
Cross Sectional Area (sq.ft.)	2.8	4.9	12.3	19.6	50.2
Approx. Carbon Weight (lbs)	200	400	1000/2000	3000	8000
Empty Vessel Weight (lbs)	50	80	890/1190	2500	5500
Flow, CFM (max.)	100	300	500	1500	3750
Pressure, psig (max.)	3	3	14.9	5	5
Temperature, deg. F (max) ⁽⁴⁾	140	140	140	140	140
Vacuum, in. Hg (max.)	N/A	N/A	12/12 ⁽²⁾	6 ⁽³⁾	12 ⁽³⁾

¹Carbon steel and stainless steel internals are also available.

²For vacuum greater than 12 in. Hg on Vent-Scrub® 2000 Adsorber, contact your Siemens representative.

³For vacuum service on Vent-Scrub® 3000 and 8000 Adsorber, contact your Siemens representative.

⁴For higher temperatures, stainless and carbon steel internals are available.

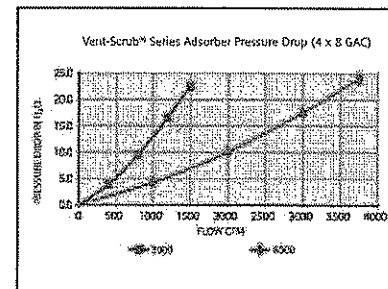
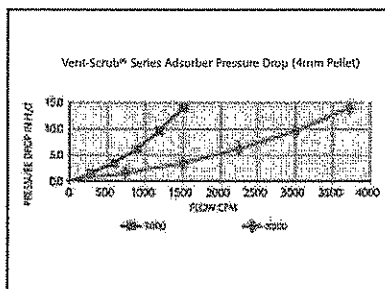
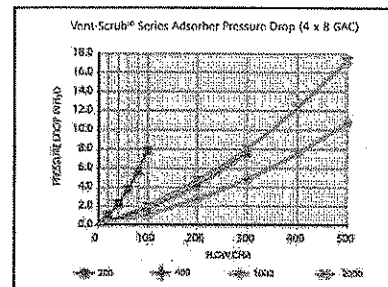
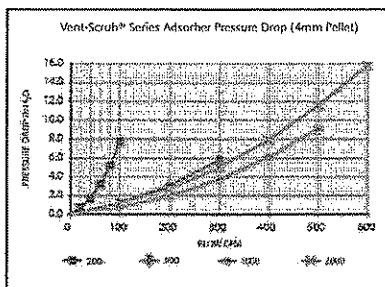
For detailed dimensional information or drawings, contact your local Siemens sales representative.

Warning

The adsorption of organic compounds onto activated carbon generates heat. In rare instances, adsorbed compounds may also react on the carbon surface to generate additional heat. If these heat sources are not properly dissipated, the carbon bed temperature may rise to the point where the carbon can ignite, leading to a fire or other hazardous condition. A description of industry-accepted engineering practices to assure the dissipation of heat and safe operation of the carbon bed can be provided upon request. In certain applications where the risk of ignition is significant, activated carbon may not be a recommended treatment technology. Please contact your Technical Sales Representative for more details.

Wet activated carbon readily adsorbs atmospheric oxygen. Dangerously low oxygen levels may exist in closed vessels or poorly ventilated storage areas. Workers should follow all applicable state and federal safety guidelines for entering oxygen depleted areas.

All information presented herein is believed reliable and in accordance with accepted engineering practices. Siemens makes no warranties as to the completeness of this information. Users are responsible for evaluating individual product suitability for specific applications. Siemens assumes no liability whatsoever for any special, indirect or consequential damages arising from the sale, resale or misuse of its products.



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The information provided in this literature contains merely general descriptions or characteristics of performance which in actual case of use do not always apply as described or which may change as a result of further development of the products. An obligation to provide the respective characteristics shall only exist if expressly agreed in the terms of the contract.

APPENDIX E

Photographs of
Sub Slab Vent System Installation



Photograph 1: Crane that was used to hoist equipment onto the roof.



Photograph 2: SVE Blower Package being hoisted onto the roof.



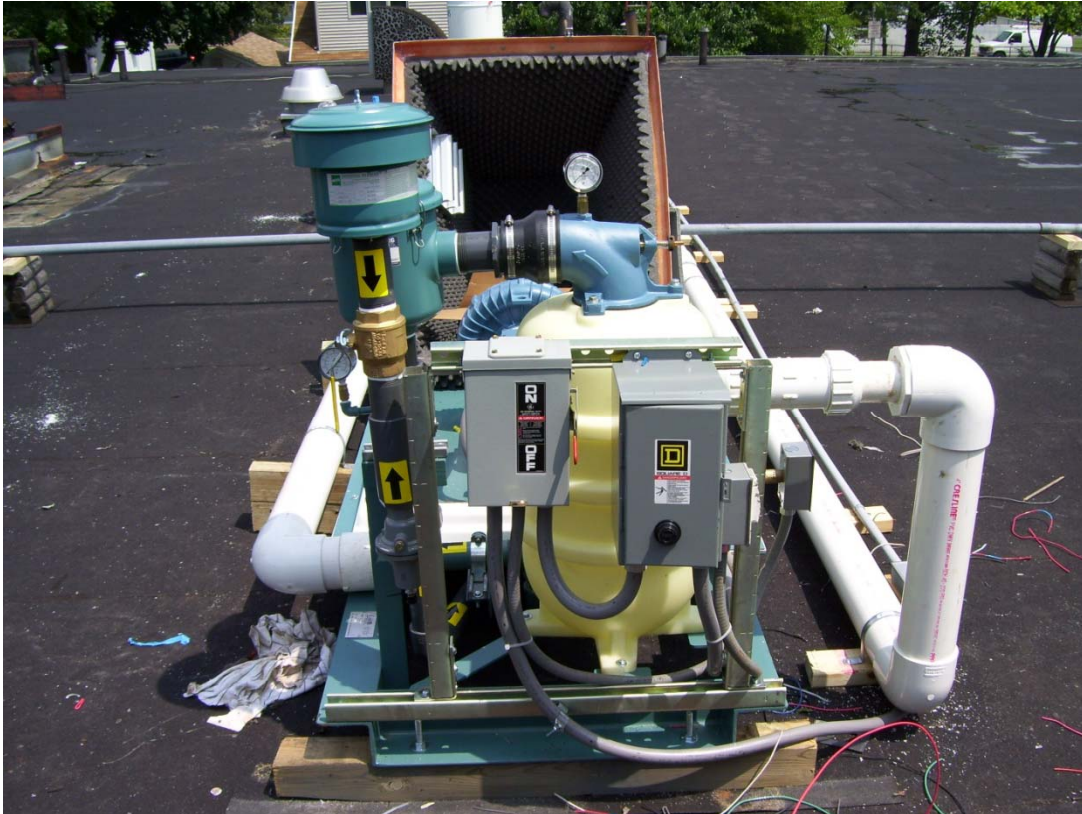
Photograph 3: Vapor-Phase Carbon Drum being hoisted onto the roof.



Photograph 4: SVE Blower Package in place on roof, prior to piping being installed.



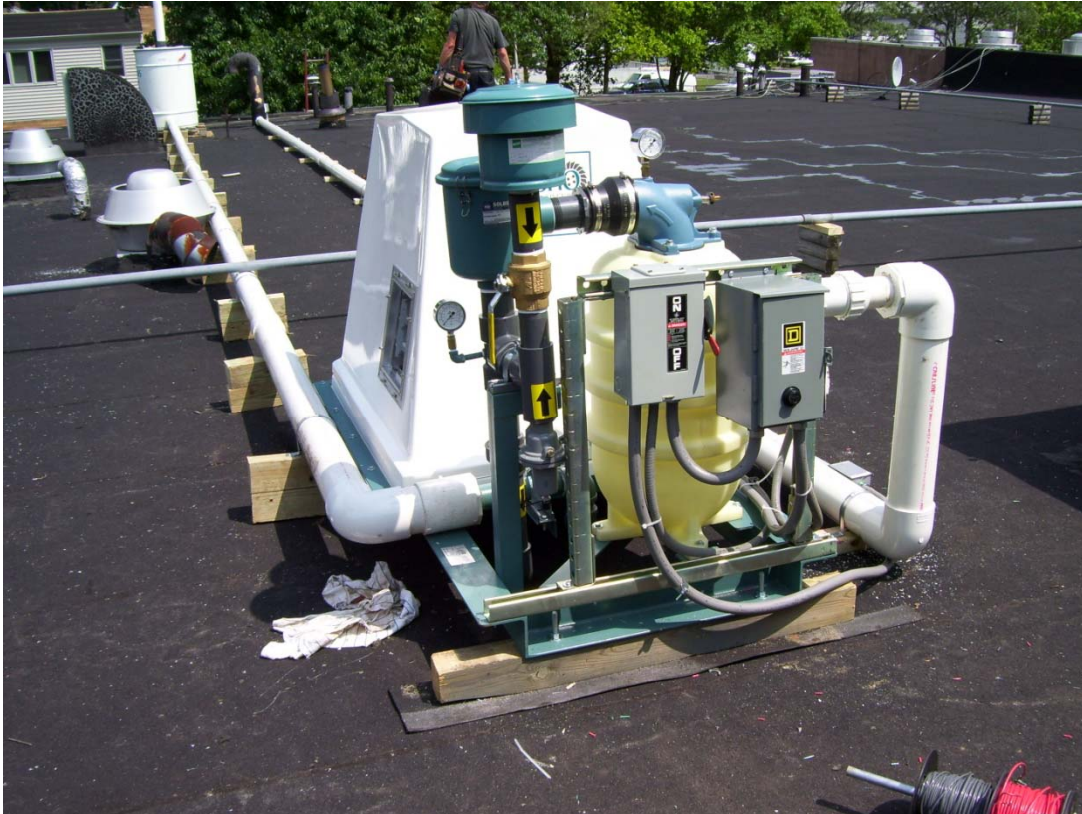
Photograph 5: SVE Blower Package after installation with fiberglass enclosure in place.



Photograph 6: Electric panel for SVE Blower.



Photograph 7: SVE System after installation.



Photograph 8: SVE System after installation.



Photograph 9: SVE influent and effluent piping.



Photograph 10: SVE System after installation



Photograph 11. SVE piping.



Photograph 12: Vapor-phase carbon-drum on skid.