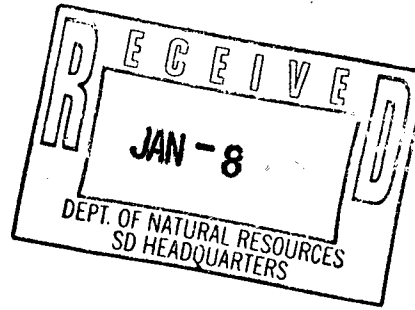




January 3, 2001

Mr. Michael Schmoller
WDNR South Central Region Office
3911 Fish Hatchery Road
Fitchburg, WI 53711



SUBJECT: Annual Landfill Gas Vent Monitoring Report
September 2000 Monitoring Event
Bid Item #7
Stoughton City Landfill
FID # 113005950 - License #133
WDNR Project # J-036-02
BT² Project #1764

Dear Mr. Schmoller:

This letter provides the Annual Landfill Gas (LFG) Vent Monitoring Report for the September 2000 monitoring event at the Stoughton City Landfill site. The passive gas vents were sampled on September 8, 2000.

Scope and Methods

The objectives of the passive gas vent monitoring are:

- Monitor the concentration of the various gases passively vented from the landfill.
- Verify that the air emissions from the passive gas vents do not exceed the regulatory levels found in the applicable provisions of the National Emission Standards for Hazardous Air Pollutants (NESHAP), and chapter NR 445, Wisconsin Administrative Code (WAC).

Five passive gas vents were chosen for the first year sampling based on being the closest gas vents to the homes located just south of the landfill property line. All twenty-one passive gas vents were permanently labeled by BT², Inc. personnel. See the attached Site Map for the passive gas vent well locations. Three days prior to the sampling event (September 5, 2000) an airtight stainless steel well cap with a ¼-inch barbed fitting was placed over each of the five gas vents. The LMS_x Landfill Gas Meter was used to purge each gas vent and to monitor for percent of the lower explosive level (LEL) as methane, percent oxygen, and flow. Readings were collected each minute to verify gas stability. Samples for laboratory analysis were collected using Summa Cannisters. For each individual Summa Cannister, the initial vacuum, start time, end vacuum, and end time were recorded, as shown on **Table 1**.

The field procedures for the gas vent sampling were performed in accordance with the Quality Assurance Project Plan (QAPP) Revision 0 submitted to the WDNR on September 15, 2000. The passive gas vent samples were analyzed by Air Toxics, Ltd. of Folsom, CA for EPA Method TO-14 Volatile

Organic Compounds (VOCs) using a GC/MS in full scan mode. A copy of the laboratory's Standard Operating Procedures (SOP) is included in the QAPP as Appendix B.

Passive Gas Vent Well Analytical Results

Table 1 is a summary of the weather and field measurements collected during gas vent sampling. **Table 2** is a summary of analytical results for the passive gas vent sampling at the site. The original analytical report is included as **Attachment A**.

Laboratory Qualifiers

Methylene chloride was flagged with the "B" qualifier as a compound present in the laboratory blank greater than the reporting limit and background subtraction was not performed. Gas vent samples GV-2, GV-3, GV-11, and GV-21 were flagged and had concentrations ranging from 92 ppbv to 130 ppbv. Two laboratory blanks were run with the blank labeled as ID# 0009131-06A containing methylene chloride at 1.4 ppbv. The second laboratory blank had a no detect for methylene chloride. Since the analytical results for gas vent samples GV-2, GV-3, GV-11, and GV-21 were more than 65 times the level detected in the blank, no corrective action was taken and the results for those gas vent wells should be considered a positive hit. Gas vent sample GV-1 had a methylene chloride concentration of 1.5 ppbv. Since this result is less than the concentration detected in the laboratory blank, this result should be viewed as an estimated value. It should be noted that the passive gas vent samples are the first collected at the site.

Volatile Organic Compounds Detected

GV-1

Detections included chloromethane at 0.88 ppbv, methylene chloride at 1.5 ppbv, and acetone at 5.8 ppbv.

GV-2

Detections included methylene chloride at 92 ppbv, 2-Butanone (MEK) at 190 ppbv, and tetrahydrofuran (THF) at 5,100 ppbv.

GV-3

Detections included methylene chloride at 100 ppbv, acetone at 170 ppbv, 2-Butanone (MEK) at 650 ppbv, and THF at 4,100 ppbv.

GV-11

Detections included methylene chloride at 120 ppbv, acetone at 140 ppbv, 2-Butanone (MEK) at 1,300 ppbv, and THF at 4,800 ppbv.

GV-21

Detections included Freon 12 at 30 ppbv, methylene chloride at 130 ppbv, acetone at 180 ppbv, 2-Butanone (MEK) at 1,000 ppbv, and THF at 4,800 ppbv.

Sampling Plan Deviations

No deviations were made by BT², Inc. personnel to the procedures listed in the QAPP.

Mr. Michael Schmoller
January 3, 2001
Page 3

Emissions Estimation

The chapter NR 445, Wisconsin Administrative Code (WAC) Hazardous Air Contaminant Acceptable Ambient Concentrations table lists limits for methylene chloride at 8.7456 lbs/hr and THF at 49.1352 lbs/hr. No flow was detectable at the passive gas vents at the time the samples were collected. However, as barometric pressure changes, the individual gas vents may be "inhaling" or "exhaling" gasses. Additionally, the flow rate from the entire facility cannot be estimated based on the passive vents. However, it is very unlikely that the landfill gas emissions exceed the NR 445 standards based on research and the historic inefficiency of passive gas vents.

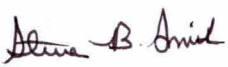
In addition to the passive gas vent monitoring, we strongly recommend monthly monitoring of the three perimeter gas monitoring probes located outside the waste on the south side of the site. This would provide an indication if landfill gas is migrating from the waste and posing a threat to homes nearby. We will provide you with a cost estimate to perform this monitoring for your review.

The next Annual Landfill Gas Vent Monitoring event is scheduled for September 2001. A CD-ROM is also enclosed containing a copy of this report as a PDF file. Please call us at (608) 224-2830 if you have any questions.

Sincerely,
BT², Inc.


Sherren Clark, P.E., P.G.
Quality Assurance/ Senior Review


Jan C. Kucher, P.E.
Project Manager


Steven B. Smith
Senior Technical Specialist

Enclosed: CD-ROM
Site Map
Table 1 - Summa Cannister Field Data
Table 2 - Summary of Analytical Results
Attachment A - Laboratory Analytical Report

Table 1
Annual Passive Gas Vent Sampling
Summa Cannister Field Data
Stoughton City Landfill / BT² Project #1764

GV-1

Start time = 11:08 am
End Time = 11:38 am
Starting Vacuum = -28" Hg
Vacuum at 10 minutes = -13" Hg
Vacuum at 20 minutes = -6" Hg
End Vacuum = -4.5" Hg
Flow = 0 m³/hr.

GV-2

Start time = 11:45 am
End Time = 12:15 pm
Starting Vacuum = -29.5" Hg
Vacuum at 10 minutes = -17.5" Hg
Vacuum at 20 minutes = -7.5" Hg
End Vacuum = -6.5" Hg
Flow = 0 m³/hr.

GV-3

Start time = 12:25 pm
End Time = 12:55 pm
Starting Vacuum = -28.5" Hg
Vacuum at 10 minutes = -18.5" Hg
Vacuum at 20 minutes = -10" Hg
End Vacuum = -7.5" Hg
Flow = 0 m³/hr.

GV-11

Start time = 10:32 am
End Time = 11:02 am
Starting Vacuum = -26.5" Hg
Vacuum at 10 minutes = -19" Hg
Vacuum at 20 minutes = -10.5" Hg
End Vacuum = -5.5" Hg
Flow = 0 m³/hr.

GV-21

Start time = 09:52 am
End time = 10:22 am
Starting Vacuum = -28" Hg
Vacuum at 10 minutes = -18" Hg
Vacuum at 20 minutes = -8.5" Hg
End Vacuum = -5.5" Hg
Flow = 0 m³/hr.

Weather

Barometric Pressure = 30.05" Hg
Temperature = 20°C
Ground Surface = Dry
Conditions = Sunny, clear, 4 knot wind from the west (230° W)
Equipment = LMS_x Landfill Gas Meter
Operator = Steven Smith
Date = 9/8/00

Dane County Airport Weather Line phone number is 249-0615

Table 2
Summary of Analytical Results
Annual Landfill Gas Monitoring
Stoughton City Landfill
BT² Project #1764
October 2000

Compound	Sample Name: GV-1 ID #: 0009131-03A		Sample Name: GV-2 ID #: 0009131-04A		Sample Name: GV-3 ID #: 0009131-05A		Sample Name: GV-11 ID #: 0009131-02A		Sample Name: GV-21 ID #: 0009131-01A		Sample Name: Lab Blank ID #: 0009131-06B		Sample Name: Lab Blank ID #: 0009131-06A	
	Detection Limit	Result Amount	Detection Limit	Result Amount	Detection Limit	Result Amount	Detection Limit	Result Amount	Detection Limit	Result Amount	Detection Limit	Result Amount	Detection Limit	Result Amount
	(ppbv)	(ppbv)	(ppbv)	(ppbv)	(ppbv)	(ppbv)	(ppbv)	(ppbv)	(ppbv)	(ppbv)	(ppbv)	(ppbv)	(ppbv)	(ppbv)
Freon 12	0.79	ND	23	ND	23	ND	22	ND	21	30	0.50	ND	0.50	ND
Freon 114	0.79	ND	23	ND	23	ND	22	ND	21	ND	0.50	ND	0.50	ND
Chloromethane	0.79	0.88	23	ND	23	ND	22	ND	21	ND	0.50	ND	0.50	ND
Vinyl chloride	0.79	ND	23	ND	23	ND	22	ND	21	ND	0.50	ND	0.50	ND
Bromomethane	0.79	ND	23	ND	23	ND	22	ND	21	ND	0.50	ND	0.50	ND
Chloroethane	0.79	ND	23	ND	23	ND	22	ND	21	ND	0.50	ND	0.50	ND
Freon 11	0.79	ND	23	ND	23	ND	22	ND	21	ND	0.50	ND	0.50	ND
1,1-Dichloroethene	0.79	ND	23	ND	23	ND	22	ND	21	ND	0.50	ND	0.50	ND
Freon 113	0.79	ND	23	ND	23	ND	22	ND	21	ND	0.50	ND	0.50	ND
Methylene Chloride	0.79	1.5	23	92 B	23	100 B	22	120 B	21	130 B	0.50	ND	0.50	1.4
1,1-Dichloroethane	0.79	ND	23	ND	23	ND	22	ND	21	ND	0.50	ND	0.50	ND
cis-1,2-Dichloroethene	0.79	ND	23	ND	23	ND	22	ND	21	ND	0.50	ND	0.50	ND
Chloroform	0.79	ND	23	ND	23	ND	22	ND	21	ND	0.50	ND	0.50	ND
1,1,1-Trichloroethane	0.79	ND	23	ND	23	ND	22	ND	21	ND	0.50	ND	0.50	ND
Carbon Tetrachloride	0.79	ND	23	ND	23	ND	22	ND	21	ND	0.50	ND	0.50	ND
Benzene	0.79	ND	23	ND	23	ND	22	ND	21	ND	0.50	ND	0.50	ND
1,2-Dichloroethane	0.79	ND	23	ND	23	ND	22	ND	21	ND	0.50	ND	0.50	ND
Trichloroethene	0.79	ND	23	ND	23	ND	22	ND	21	ND	0.50	ND	0.50	ND
1,2-Dichloropropane	0.79	ND	23	ND	23	ND	22	ND	21	ND	0.50	ND	0.50	ND
cis-1,3-Dichloropropene	0.79	ND	23	ND	23	ND	22	ND	21	ND	0.50	ND	0.50	ND
Toluene	0.79	ND	23	ND	23	ND	22	ND	21	ND	0.50	ND	0.50	ND
trans-1,3-Dichloropropene	0.79	ND	23	ND	23	ND	22	ND	21	ND	0.50	ND	0.50	ND
1,1,2-Trichloroethane	0.79	ND	23	ND	23	ND	22	ND	21	ND	0.50	ND	0.50	ND
Tetrachloroethene	0.79	ND	23	ND	23	ND	22	ND	21	ND	0.50	ND	0.50	ND
Ethylene Dibromide	0.79	ND	23	ND	23	ND	22	ND	21	ND	0.50	ND	0.50	ND
Chlorobenzene	0.79	ND	23	ND	23	ND	22	ND	21	ND	0.50	ND	0.50	ND
Ethylbenzene	0.79	ND	23	ND	23	ND	22	ND	21	ND	0.50	ND	0.50	ND
m,p-Xylene	0.79	ND	23	ND	23	ND	22	ND	21	ND	0.50	ND	0.50	ND
o-Xylene	0.79	ND	23	ND	23	ND	22	ND	21	ND	0.50	ND	0.50	ND
Styrene	0.79	ND	23	ND	23	ND	22	ND	21	ND	0.50	ND	0.50	ND
1,1,2,2-Tetrachloroethane	0.79	ND	23	ND	23	ND	22	ND	21	ND	0.50	ND	0.50	ND
1,3,5-Trimethylbenzene	0.79	ND	23	ND	23	ND	22	ND	21	ND	0.50	ND	0.50	ND
1,2,4-Trimethylbenzene	0.79	ND	23	ND	23	ND	22	ND	21	ND	0.50	ND	0.50	ND
1,3-Dichlorobenzene	0.79	ND	23	ND	23	ND	22	ND	21	ND	0.50	ND	0.50	ND
1,4-Dichlorobenzene	0.79	ND	23	ND	23	ND	22	ND	21	ND	0.50	ND	0.50	ND
Chlorotoluene	0.79	ND	23	ND	23	ND	22	ND	21	ND	0.50	ND	0.50	ND
1,2-Dichlorobenzene	0.79	ND	23	ND	23	ND	22	ND	21	ND	0.50	ND	0.50	ND
1,2,4-Trichlorobenzene	0.79	ND	23	ND	23	ND	22	ND	21	ND	0.50	ND	0.50	ND

Table 2
Summary of Analytical Results
Annual Landfill Gas Monitoring
Stoughton City Landfill
BT² Project #1764
October 2000

Compound	Sample Name: GV-1 ID #: 0009131-03A		Sample Name: GV-2 ID #: 0009131-04A		Sample Name: GV-3 ID #: 0009131-05A		Sample Name: GV-11 ID #: 0009131-02A		Sample Name: GV-21 ID #: 0009131-01A		Sample Name: Lab Blank ID #: 0009131-06B		Sample Name: Lab Blank ID #: 0009131-06A	
	Detection Limit (ppbv)	Result Amount (ppbv)	Detection Limit (ppbv)	Result Amount (ppbv)	Detection Limit (ppbv)	Result Amount (ppbv)	Detection Limit (ppbv)	Result Amount (ppbv)	Detection Limit (ppbv)	Result Amount (ppbv)	Detection Limit (ppbv)	Result Amount (ppbv)	Detection Limit (ppbv)	Result Amount (ppbv)
Hexachlorobutadiene	0.79	ND	23	ND	23	ND	22	ND	21	ND	0.50	ND	0.50	ND
Propylene	3.2	ND	91	ND	93	ND	87	ND	86	ND	2.0	ND	2.0	ND
1,3-Butadiene	3.2	ND	91	ND	93	ND	87	ND	86	ND	2.0	ND	2.0	ND
Acetone	3.2	5.8	91	ND	93	170	87	140	86	180	2.0	ND	2.0	ND
Carbon Disulfide	3.2	ND	91	ND	93	ND	87	ND	86	ND	2.0	ND	2.0	ND
2-Propanol	3.2	ND	91	ND	93	ND	87	ND	86	ND	2.0	ND	2.0	ND
trans-1,2-Dichloroethene	3.2	ND	91	ND	93	ND	87	ND	86	ND	2.0	ND	2.0	ND
Vinyl Acetate	3.2	ND	91	ND	93	ND	87	ND	86	ND	2.0	ND	2.0	ND
2-Butanone (Methyl Ethyl Ketone)	3.2	ND	91	190	93	650	87	1,300	86	1,000	2.0	ND	2.0	ND
Hexane	3.2	ND	91	ND	93	ND	87	ND	86	ND	2.0	ND	2.0	ND
Tetrahydrofuran	3.2	ND	91	5,100	93	4,100	87	4,800	86	4,800	2.0	ND	2.0	ND
Cyclohexane	3.2	ND	91	ND	93	ND	87	ND	86	ND	2.0	ND	2.0	ND
1,4-Dioxane	3.2	ND	91	ND	93	ND	87	ND	86	ND	2.0	ND	2.0	ND
Bromodichloromethane	3.2	ND	91	ND	93	ND	87	ND	86	ND	2.0	ND	2.0	ND
4-Methyl-2-pentanone	3.2	ND	91	ND	93	ND	87	ND	86	ND	2.0	ND	2.0	ND
2-Hexanone	3.2	ND	91	ND	93	ND	87	ND	86	ND	2.0	ND	2.0	ND
Dibromochloromethane	3.2	ND	91	ND	93	ND	87	ND	86	ND	2.0	ND	2.0	ND
Bromoform	3.2	ND	91	ND	93	ND	87	ND	86	ND	2.0	ND	2.0	ND
4-Ethyltoluene	3.2	ND	91	ND	93	ND	87	ND	86	ND	2.0	ND	2.0	ND
Ethanol	3.2	ND	91	ND	93	ND	87	ND	86	ND	2.0	ND	2.0	ND
Methyl tert-Butyl Ether	3.2	ND	91	ND	93	ND	87	ND	86	ND	2.0	ND	2.0	ND
Heptane	3.2	ND	91	ND	93	ND	87	ND	86	ND	2.0	ND	2.0	ND

ABBREVIATIONS:

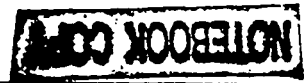
ND = Not Detected

B = Compound present in laboratory blank at 1.4 ppbv; background subtraction not performed.

Date: 12/7/00

By: LH

Checked By: SS on 12/15/00



WORK ORDER #: 0009131

Work Order Summary

CLIENT: Ms. Jan Kucher
 BT Squared
 2830 Dairy Drive
 Madison, WI 53718

BILL TO: Ms. Jan Kucher
 BT Squared
 2830 Dairy Drive
 Madison, WI 53718

PHONE: 608-224-2830

P.O. #

FAX: 608-224-2839

PROJECT # 1764 Stoughton City L.F.

DATE RECEIVED: 9/12/00

DATE COMPLETED: 9/22/00

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>	<u>RECEIPT VAC./PRES.</u>
01A	GV-21	TO-14	5.0 "Hg
02A	GV-11	TO-14	5.5 "Hg
03A	GV-1	TO-14	4.5 "Hg
04A	GV-2	TO-14	6.5 "Hg
05A	GV-3	TO-14	7.0 "Hg
06A	Lab Blank	TO-14	NA
06B	Lab Blank	TO-14	NA

CERTIFIED BY:


 Laboratory Director

DATE:

9/26/00

Certification numbers: CA ELAP - 1149, NY ELAP - 11291, UT ELAP - E-217, AZ ELAP - AZ0567

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
 (916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

LABORATORY NARRATIVE

TO-14

BT Squared

Workorder# 0009131

Five 6 Liter Summa Canister samples were received on September 12, 2000. The laboratory performed analysis via EPA Method TO-14 using GC/MS in the full scan mode. The method involves concentrating up to 0.5 liters of air. The concentrated aliquot is then flash vaporized and swept through a water management system to remove water vapor. Following dehumidification, the sample passes directly into the GC/MS for analysis. See the data sheets for the reporting limits for each compound.

During the five point calibration, two low-level standards are used. The low-level standard for TO-14 compounds is spiked at 0.5 ppbv and represents the reporting limit for these compounds. The low-level standard for the non-TO-14 compounds is spiked at 2.0 ppbv and represents the reporting limit for these compounds. The TO-14 compounds are present in both standards but are excluded from reporting in the 2.0 ppbv standard since a lower level is already included in the curve.

Method modifications taken to run these samples include:

<i>Requirement</i>	<i>TO-14</i>	<i>ATL Modifications</i>
Internal standard retention times.	Not specified.	Within 0.50 minutes of most recent daily CCV internal standards
Internal standard recoveries.	Not specified.	Within 40% of the daily CCV internal standard area for blanks and samples.
Internal standard retention times.	Not specified.	Within 0.50 minutes of most recent daily CCV internal standards
Internal calibration criteria.	Not specified.	RSD of 30% or less for standard compounds, 40% or less for non-standard and polar compounds
Continuing calibration verification criteria	Not specified.	70 - 130% for at least 90% of standard compounds, 60 - 140% for at least 80% of non-standard and polar compounds
Response factor for quantitation.	Average response factor (ICAL).	Average response factor (ICAL).

Receiving Notes

The chain of custody was not relinquished properly. The client was notified and permission to proceed with the analysis was provided.

Analytical Notes

There were no analytical discrepancies.

Definition of Data Qualifying Flags

Seven qualifiers may have been used on the data analysis sheets and indicates as follows:

B - Compound present in laboratory blank greater than reporting limit(background subtraction not performed).

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit.

N - The identification is based on presumptive evidence.

AIR TOXICS LTD.

SAMPLE NAME : GV-21

ID#: 0009131-01A

EPA METHOD TO-14 GC/MS Full Scan

File Name:	g091517	Date of Collection: 9/5/00
Dil. Factor:	42.9	Date of Analysis: 9/15/00

Compound	Det. Limit (ppbv)	Det. Limit (uG/m3)	Amount (ppbv)	Amount (uG/m3)
Freon 12	21	110	30	150
Freon 114	21	150	Not Detected	Not Detected
Chloromethane	21	45	Not Detected	Not Detected
Vinyl Chloride	21	56	Not Detected	Not Detected
Bromomethane	21	85	Not Detected	Not Detected
Chloroethane	21	58	Not Detected	Not Detected
Freon 11	21	120	Not Detected	Not Detected
1,1-Dichloroethene	21	86	Not Detected	Not Detected
Freon 113	21	170	Not Detected	Not Detected
Methylene Chloride	21	76	130 B	460 B
1,1-Dichloroethane	21	88	Not Detected	Not Detected
cis-1,2-Dichloroethene	21	86	Not Detected	Not Detected
Chloroform	21	110	Not Detected	Not Detected
1,1,1-Trichloroethane	21	120	Not Detected	Not Detected
Carbon Tetrachloride	21	140	Not Detected	Not Detected
Benzene	21	70	Not Detected	Not Detected
1,2-Dichloroethane	21	88	Not Detected	Not Detected
Trichloroethene	21	120	Not Detected	Not Detected
1,2-Dichloropropane	21	100	Not Detected	Not Detected
cis-1,3-Dichloropropene	21	99	Not Detected	Not Detected
Toluene	21	82	Not Detected	Not Detected
trans-1,3-Dichloropropene	21	99	Not Detected	Not Detected
1,1,2-Trichloroethane	21	120	Not Detected	Not Detected
Tetrachloroethene	21	150	Not Detected	Not Detected
Ethylene Dibromide	21	170	Not Detected	Not Detected
Chlorobenzene	21	100	Not Detected	Not Detected
Ethyl Benzene	21	95	Not Detected	Not Detected
m,p-Xylene	21	95	Not Detected	Not Detected
o-Xylene	21	95	Not Detected	Not Detected
Styrene	21	93	Not Detected	Not Detected
1,1,2,2-Tetrachloroethane	21	150	Not Detected	Not Detected
1,3,5-Trimethylbenzene	21	110	Not Detected	Not Detected
1,2,4-Trimethylbenzene	21	110	Not Detected	Not Detected
1,3-Dichlorobenzene	21	130	Not Detected	Not Detected
1,4-Dichlorobenzene	21	130	Not Detected	Not Detected
Chlorotoluene	21	110	Not Detected	Not Detected
1,2-Dichlorobenzene	21	130	Not Detected	Not Detected
1,2,4-Trichlorobenzene	21	160	Not Detected	Not Detected
Hexachlorobutadiene	21	230	Not Detected	Not Detected
Propylene	86	150	Not Detected	Not Detected
1,3-Butadiene	86	190	Not Detected	Not Detected
Acetone	86	210	180	440

AIR TOXICS LTD.

SAMPLE NAME : GV-21

ID#: 0009131-01A

EPA METHOD TO-14 GC/MS Full Scan

File Name:	g091517	Date of Collection: 9/5/00
Dil. Factor:	42.9	Date of Analysis: 9/15/00

Compound	Det. Limit (ppbv)	Det. Limit (uG/m3)	Amount (ppbv)	Amount (uG/m3)
Carbon Disulfide	86	270	Not Detected	Not Detected
2-Propanol	86	210	Not Detected	Not Detected
trans-1,2-Dichloroethene	86	340	Not Detected	Not Detected
Vinyl Acetate	86	310	Not Detected	Not Detected
2-Butanone (Methyl Ethyl Ketone)	86	260	1000	3100
Hexane	86	310	Not Detected	Not Detected
Tetrahydrofuran	86	260	4800	14000
Cyclohexane	86	300	Not Detected	Not Detected
1,4-Dioxane	86	310	Not Detected	Not Detected
Bromodichloromethane	86	580	Not Detected	Not Detected
4-Methyl-2-pentanone	86	360	Not Detected	Not Detected
2-Hexanone	86	360	Not Detected	Not Detected
Dibromochloromethane	86	740	Not Detected	Not Detected
Bromoform	86	900	Not Detected	Not Detected
4-Ethyltoluene	86	430	Not Detected	Not Detected
Ethanol	86	160	Not Detected	Not Detected
Methyl tert-Butyl Ether	86	310	Not Detected	Not Detected
Heptane	86	360	Not Detected	Not Detected

B = Compound present in laboratory blank, background subtraction not performed.

Container Type: 6 Liter Summa Canister

Surrogates	% Recovery	Method Limits
1,2-Dichloroethane-d4	126	70-130
Toluene-d8	97	70-130
4-Bromofluorobenzene	92	70-130

AIR TOXICS LTD.

SAMPLE NAME : GV-11

ID#: 0009131-02A

EPA METHOD TO-14 GC/MS Full Scan

File Name:	g091518	Date of Collection: 9/5/00
Dil. Factor:	43.7	Date of Analysis: 9/15/00

Compound	Det. Limit (ppbv)	Det. Limit (uG/m3)	Amount (ppbv)	Amount (uG/m3)
Freon 12	22	110	Not Detected	Not Detected
Freon 114	22	160	Not Detected	Not Detected
Chloromethane	22	46	Not Detected	Not Detected
Vinyl Chloride	22	57	Not Detected	Not Detected
Bromomethane	22	86	Not Detected	Not Detected
Chloroethane	22	59	Not Detected	Not Detected
Freon 11	22	120	Not Detected	Not Detected
1,1-Dichloroethene	22	88	Not Detected	Not Detected
Freon 113	22	170	Not Detected	Not Detected
Methylene Chloride	22	77	120 B	410 B
1,1-Dichloroethane	22	90	Not Detected	Not Detected
cis-1,2-Dichloroethene	22	88	Not Detected	Not Detected
Chloroform	22	110	Not Detected	Not Detected
1,1,1-Trichloroethane	22	120	Not Detected	Not Detected
Carbon Tetrachloride	22	140	Not Detected	Not Detected
Benzene	22	71	Not Detected	Not Detected
1,2-Dichloroethane	22	90	Not Detected	Not Detected
Trichloroethene	22	120	Not Detected	Not Detected
1,2-Dichloropropane	22	100	Not Detected	Not Detected
cis-1,3-Dichloropropene	22	100	Not Detected	Not Detected
Toluene	22	84	Not Detected	Not Detected
trans-1,3-Dichloropropene	22	100	Not Detected	Not Detected
1,1,2-Trichloroethane	22	120	Not Detected	Not Detected
Tetrachloroethene	22	150	Not Detected	Not Detected
Ethylene Dibromide	22	170	Not Detected	Not Detected
Chlorobenzene	22	100	Not Detected	Not Detected
Ethyl Benzene	22	96	Not Detected	Not Detected
m,p-Xylene	22	96	Not Detected	Not Detected
o-Xylene	22	96	Not Detected	Not Detected
Styrene	22	94	Not Detected	Not Detected
1,1,2,2-Tetrachloroethane	22	150	Not Detected	Not Detected
1,3,5-Trimethylbenzene	22	110	Not Detected	Not Detected
1,2,4-Trimethylbenzene	22	110	Not Detected	Not Detected
1,3-Dichlorobenzene	22	130	Not Detected	Not Detected
1,4-Dichlorobenzene	22	130	Not Detected	Not Detected
Chlorotoluene	22	110	Not Detected	Not Detected
1,2-Dichlorobenzene	22	130	Not Detected	Not Detected
1,2,4-Trichlorobenzene	22	160	Not Detected	Not Detected
Hexachlorobutadiene	22	240	Not Detected	Not Detected
Propylene	87	150	Not Detected	Not Detected
1,3-Butadiene	87	200	Not Detected	Not Detected
Acetone	87	210	140	340

AIR TOXICS LTD.

SAMPLE NAME : GV-11

ID#: 0009131-02A

EPA METHOD TO-14 GC/MS Full Scan

File Name:	g091518	Date of Collection: 9/5/00
Dil. Factor:	43.7	Date of Analysis: 9/15/00

Compound	Det. Limit (ppbv)	Det. Limit (uG/m3)	Amount (ppbv)	Amount (uG/m3)
Carbon Disulfide	87	280	Not Detected	Not Detected
2-Propanol	87	220	Not Detected	Not Detected
trans-1,2-Dichloroethene	87	350	Not Detected	Not Detected
Vinyl Acetate	87	310	Not Detected	Not Detected
2-Butanone (Methyl Ethyl Ketone)	87	260	1300	3900
Hexane	87	310	Not Detected	Not Detected
Tetrahydrofuran	87	260	4800	14000
Cyclohexane	87	300	Not Detected	Not Detected
1,4-Dioxane	87	320	Not Detected	Not Detected
Bromodichloromethane	87	600	Not Detected	Not Detected
4-Methyl-2-pentanone	87	360	Not Detected	Not Detected
2-Hexanone	87	360	Not Detected	Not Detected
Dibromochloromethane	87	760	Not Detected	Not Detected
Bromoform	87	920	Not Detected	Not Detected
4-Ethyltoluene	87	440	Not Detected	Not Detected
Ethanol	87	170	Not Detected	Not Detected
Methyl tert-Butyl Ether	87	320	Not Detected	Not Detected
Heptane	87	360	Not Detected	Not Detected

B = Compound present in laboratory blank, background subtraction not performed.

Container Type: 6 Liter Summa Canister

Surrogates	% Recovery	Method Limits
1,2-Dichloroethane-d4	121	70-130
Toluene-d8	97	70-130
4-Bromofluorobenzene	94	70-130

AIR TOXICS LTD.

SAMPLE NAME : GV-1

ID#: 0009131-03A

EPA METHOD TO-14 GC/MS Full Scan

File Name:	g091434	Date of Collection: 9/5/00
Dil. Factor:	1.58	Date of Analysis: 9/15/00

Compound	Det. Limit (ppbv)	Det. Limit (uG/m3)	Amount (ppbv)	Amount (uG/m3)
Freon 12	0.79	4.0	Not Detected	Not Detected
Freon 114	0.79	5.6	Not Detected	Not Detected
Chloromethane	0.79	1.6	0.88	1.8
Vinyl Chloride	0.79	2.0	Not Detected	Not Detected
Bromomethane	0.79	3.1	Not Detected	Not Detected
Chloroethane	0.79	2.1	Not Detected	Not Detected
Freon 11	0.79	4.5	Not Detected	Not Detected
1,1-Dichloroethene	0.79	3.2	Not Detected	Not Detected
Freon 113	0.79	6.2	Not Detected	Not Detected
Methylene Chloride	0.79	2.8	1.5	5.2
1,1-Dichloroethane	0.79	3.2	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.79	3.2	Not Detected	Not Detected
Chloroform	0.79	3.9	Not Detected	Not Detected
1,1,1-Trichloroethane	0.79	4.4	Not Detected	Not Detected
Carbon Tetrachloride	0.79	5.0	Not Detected	Not Detected
Benzene	0.79	2.6	Not Detected	Not Detected
1,2-Dichloroethane	0.79	3.2	Not Detected	Not Detected
Trichloroethene	0.79	4.3	Not Detected	Not Detected
1,2-Dichloropropane	0.79	3.7	Not Detected	Not Detected
cis-1,3-Dichloropropene	0.79	3.6	Not Detected	Not Detected
Toluene	0.79	3.0	Not Detected	Not Detected
trans-1,3-Dichloropropene	0.79	3.6	Not Detected	Not Detected
1,1,2-Trichloroethane	0.79	4.4	Not Detected	Not Detected
Tetrachloroethene	0.79	5.4	Not Detected	Not Detected
Ethylene Dibromide	0.79	6.2	Not Detected	Not Detected
Chlorobenzene	0.79	3.7	Not Detected	Not Detected
Ethyl Benzene	0.79	3.5	Not Detected	Not Detected
m,p-Xylene	0.79	3.5	Not Detected	Not Detected
o-Xylene	0.79	3.5	Not Detected	Not Detected
Styrene	0.79	3.4	Not Detected	Not Detected
1,1,2,2-Tetrachloroethane	0.79	5.5	Not Detected	Not Detected
1,3,5-Trimethylbenzene	0.79	3.9	Not Detected	Not Detected
1,2,4-Trimethylbenzene	0.79	3.9	Not Detected	Not Detected
1,3-Dichlorobenzene	0.79	4.8	Not Detected	Not Detected
1,4-Dichlorobenzene	0.79	4.8	Not Detected	Not Detected
Chlorotoluene	0.79	4.2	Not Detected	Not Detected
1,2-Dichlorobenzene	0.79	4.8	Not Detected	Not Detected
1,2,4-Trichlorobenzene	0.79	6.0	Not Detected	Not Detected
Hexachlorobutadiene	0.79	8.6	Not Detected	Not Detected
Propylene	3.2	5.5	Not Detected	Not Detected
1,3-Butadiene	3.2	7.1	Not Detected	Not Detected
Acetone	3.2	7.6	5.8	14

AIR TOXICS LTD.

SAMPLE NAME : GV-1

ID#: 0009131-03A

EPA METHOD TO-14 GC/MS Full Scan

File Name:	g091434	Date of Collection: 9/5/00
Dil. Factor:	1.58	Date of Analysis: 9/15/00

Compound	Det. Limit (ppbv)	Det. Limit (uG/m3)	Amount (ppbv)	Amount (uG/m3)
Carbon Disulfide	3.2	10	Not Detected	Not Detected
2-Propanol	3.2	7.9	Not Detected	Not Detected
trans-1,2-Dichloroethene	3.2	13	Not Detected	Not Detected
Vinyl Acetate	3.2	11	Not Detected	Not Detected
2-Butanone (Methyl Ethyl Ketone)	3.2	9.5	Not Detected	Not Detected
Hexane	3.2	11	Not Detected	Not Detected
Tetrahydrofuran	3.2	9.5	Not Detected	Not Detected
Cyclohexane	3.2	11	Not Detected	Not Detected
1,4-Dioxane	3.2	12	Not Detected	Not Detected
Bromodichloromethane	3.2	22	Not Detected	Not Detected
4-Methyl-2-pentanone	3.2	13	Not Detected	Not Detected
2-Hexanone	3.2	13	Not Detected	Not Detected
Dibromochloromethane	3.2	27	Not Detected	Not Detected
Bromoform	3.2	33	Not Detected	Not Detected
4-Ethyltoluene	3.2	16	Not Detected	Not Detected
Ethanol	3.2	6.0	Not Detected	Not Detected
Methyl tert-Butyl Ether	3.2	12	Not Detected	Not Detected
Heptane	3.2	13	Not Detected	Not Detected

Container Type: 6 Liter Summa Canister

Surrogates	% Recovery	Method Limits
1,2-Dichloroethane-d4	108	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	98	70-130

AIR TOXICS LTD.

SAMPLE NAME : GV-2

ID#: 0009131-04A

EPA METHOD TO-14 GC/MS Full Scan

File Name:	g091519	Date of Collection: 9/5/00
Dil. Factor:	45.6	Date of Analysis: 9/16/00

Compound	Det. Limit (ppbv)	Det. Limit (uG/m3)	Amount (ppbv)	Amount (uG/m3)
Freon 12	23	110	Not Detected	Not Detected
Freon 114	23	160	Not Detected	Not Detected
Chloromethane	23	48	Not Detected	Not Detected
Vinyl Chloride	23	59	Not Detected	Not Detected
Bromomethane	23	90	Not Detected	Not Detected
Chloroethane	23	61	Not Detected	Not Detected
Freon 11	23	130	Not Detected	Not Detected
1,1-Dichloroethene	23	92	Not Detected	Not Detected
Freon 113	23	180	Not Detected	Not Detected
Methylene Chloride	23	80	92 B	320 B
1,1-Dichloroethane	23	94	Not Detected	Not Detected
cis-1,2-Dichloroethene	23	92	Not Detected	Not Detected
Chloroform	23	110	Not Detected	Not Detected
1,1,1-Trichloroethane	23	130	Not Detected	Not Detected
Carbon Tetrachloride	23	140	Not Detected	Not Detected
Benzene	23	74	Not Detected	Not Detected
1,2-Dichloroethane	23	94	Not Detected	Not Detected
Trichloroethene	23	120	Not Detected	Not Detected
1,2-Dichloropropane	23	110	Not Detected	Not Detected
cis-1,3-Dichloropropene	23	100	Not Detected	Not Detected
Toluene	23	87	Not Detected	Not Detected
trans-1,3-Dichloropropene	23	100	Not Detected	Not Detected
1,1,2-Trichloroethane	23	130	Not Detected	Not Detected
Tetrachloroethene	23	160	Not Detected	Not Detected
Ethylene Dibromide	23	180	Not Detected	Not Detected
Chlorobenzene	23	110	Not Detected	Not Detected
Ethyl Benzene	23	100	Not Detected	Not Detected
m,p-Xylene	23	100	Not Detected	Not Detected
o-Xylene	23	100	Not Detected	Not Detected
Styrene	23	99	Not Detected	Not Detected
1,1,2,2-Tetrachloroethane	23	160	Not Detected	Not Detected
1,3,5-Trimethylbenzene	23	110	Not Detected	Not Detected
1,2,4-Trimethylbenzene	23	110	Not Detected	Not Detected
1,3-Dichlorobenzene	23	140	Not Detected	Not Detected
1,4-Dichlorobenzene	23	140	Not Detected	Not Detected
Chlorotoluene	23	120	Not Detected	Not Detected
1,2-Dichlorobenzene	23	140	Not Detected	Not Detected
1,2,4-Trichlorobenzene	23	170	Not Detected	Not Detected
Hexachlorobutadiene	23	250	Not Detected	Not Detected
Propylene	91	160	Not Detected	Not Detected
1,3-Butadiene	91	200	Not Detected	Not Detected
Acetone	91	220	Not Detected	Not Detected

AIR TOXICS LTD.

SAMPLE NAME : GV-2

ID#: 0009131-04A

EPA METHOD TO-14 GC/MS Full Scan

File Name:	g091519	Date of Collection:	9/5/00
Dil. Factor:	45.6	Date of Analysis:	9/16/00

Compound	Det. Limit (ppbv)	Det. Limit (uG/m3)	Amount (ppbv)	Amount (uG/m3)
Carbon Disulfide	91	290	Not Detected	Not Detected
2-Propanol	91	230	Not Detected	Not Detected
trans-1,2-Dichloroethene	91	370	Not Detected	Not Detected
Vinyl Acetate	91	330	Not Detected	Not Detected
2-Butanone (Methyl Ethyl Ketone)	91	270	190	560
Hexane	91	330	Not Detected	Not Detected
Tetrahydrofuran	91	270	5100	15000
Cyclohexane	91	320	Not Detected	Not Detected
1,4-Dioxane	91	330	Not Detected	Not Detected
Bromodichloromethane	91	620	Not Detected	Not Detected
4-Methyl-2-pentanone	91	380	Not Detected	Not Detected
2-Hexanone	91	380	Not Detected	Not Detected
Dibromochloromethane	91	790	Not Detected	Not Detected
Bromoform	91	960	Not Detected	Not Detected
4-Ethyltoluene	91	460	Not Detected	Not Detected
Ethanol	91	170	Not Detected	Not Detected
Methyl tert-Butyl Ether	91	330	Not Detected	Not Detected
Heptane	91	380	Not Detected	Not Detected

B = Compound present in laboratory blank, background subtraction not performed.

Container Type: 6 Liter Summa Canister

Surrogates	% Recovery	Method Limits
1,2-Dichloroethane-d4	118	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	92	70-130

AIR TOXICS LTD.

SAMPLE NAME : GV-3

ID#: 0009131-05A

EPA METHOD TO-14 GC/MS Full Scan

File Name:	g091520	Date of Collection:	9/5/00
Dil. Factor:	46.7	Date of Analysis:	9/16/00

Compound	Det. Limit (ppbv)	Det. Limit (uG/m3)	Amount (ppbv)	Amount (uG/m3)
Freon 12	23	120	Not Detected	Not Detected
Freon 114	23	160	Not Detected	Not Detected
Chloromethane	23	49	Not Detected	Not Detected
Vinyl Chloride	23	61	Not Detected	Not Detected
Bromomethane	23	92	Not Detected	Not Detected
Chloroethane	23	63	Not Detected	Not Detected
Freon 11	23	130	Not Detected	Not Detected
1,1-Dichloroethene	23	94	Not Detected	Not Detected
Freon 113	23	180	Not Detected	Not Detected
Methylene Chloride	23	82	100 B	360 B
1,1-Dichloroethane	23	96	Not Detected	Not Detected
cis-1,2-Dichloroethene	23	94	Not Detected	Not Detected
Chloroform	23	120	Not Detected	Not Detected
1,1,1-Trichloroethane	23	130	Not Detected	Not Detected
Carbon Tetrachloride	23	150	Not Detected	Not Detected
Benzene	23	76	Not Detected	Not Detected
1,2-Dichloroethane	23	96	Not Detected	Not Detected
Trichloroethene	23	130	Not Detected	Not Detected
1,2-Dichloropropane	23	110	Not Detected	Not Detected
cis-1,3-Dichloropropene	23	110	Not Detected	Not Detected
Toluene	23	89	Not Detected	Not Detected
trans-1,3-Dichloropropene	23	110	Not Detected	Not Detected
1,1,2-Trichloroethane	23	130	Not Detected	Not Detected
Tetrachloroethene	23	160	Not Detected	Not Detected
Ethylene Dibromide	23	180	Not Detected	Not Detected
Chlorobenzene	23	110	Not Detected	Not Detected
Ethyl Benzene	23	100	Not Detected	Not Detected
m,p-Xylene	23	100	Not Detected	Not Detected
o-Xylene	23	100	Not Detected	Not Detected
Styrene	23	100	Not Detected	Not Detected
1,1,2,2-Tetrachloroethane	23	160	Not Detected	Not Detected
1,3,5-Trimethylbenzene	23	120	Not Detected	Not Detected
1,2,4-Trimethylbenzene	23	120	Not Detected	Not Detected
1,3-Dichlorobenzene	23	140	Not Detected	Not Detected
1,4-Dichlorobenzene	23	140	Not Detected	Not Detected
Chlorotoluene	23	120	Not Detected	Not Detected
1,2-Dichlorobenzene	23	140	Not Detected	Not Detected
1,2,4-Trichlorobenzene	23	180	Not Detected	Not Detected
Hexachlorobutadiene	23	250	Not Detected	Not Detected
Propylene	93	160	Not Detected	Not Detected
1,3-Butadiene	93	210	Not Detected	Not Detected
Acetone	93	220	170	410

AIR TOXICS LTD.

SAMPLE NAME : GV-3

ID#: 0009131-05A

EPA METHOD TO-14 GC/MS Full Scan

File Name:	g091520	Date of Collection:	9/5/00
Dil. Factor:	46.7	Date of Analysis:	9/16/00

Compound	Det. Limit (ppbv)	Det. Limit (uG/m3)	Amount (ppbv)	Amount (uG/m3)
Carbon Disulfide	93	300	Not Detected	Not Detected
2-Propanol	93	230	Not Detected	Not Detected
trans-1,2-Dichloroethene	93	380	Not Detected	Not Detected
Vinyl Acetate	93	330	Not Detected	Not Detected
2-Butanone (Methyl Ethyl Ketone)	93	280	650	1900
Hexane	93	330	Not Detected	Not Detected
Tetrahydrofuran	93	280	4100	12000
Cyclohexane	93	330	Not Detected	Not Detected
1,4-Dioxane	93	340	Not Detected	Not Detected
Bromodichloromethane	93	640	Not Detected	Not Detected
4-Methyl-2-pentanone	93	390	Not Detected	Not Detected
2-Hexanone	93	390	Not Detected	Not Detected
Dibromochloromethane	93	810	Not Detected	Not Detected
Bromoform	93	980	Not Detected	Not Detected
4-Ethyltoluene	93	470	Not Detected	Not Detected
Ethanol	93	180	Not Detected	Not Detected
Methyl tert-Butyl Ether	93	340	Not Detected	Not Detected
Heptane	93	390	Not Detected	Not Detected

B = Compound present in laboratory blank, background subtraction not performed.

Container Type: 6 Liter Summa Canister

Surrogates	% Recovery	Method Limits
1,2-Dichloroethane-d4	118	70-130
Toluene-d8	96	70-130
4-Bromofluorobenzene	90	70-130

AIR TOXICS LTD.

SAMPLE NAME : Lab Blank

ID#: 0009131-06A

EPA METHOD TO-14 GC/MS Full Scan

File Name:	g091506	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 9/15/00

Compound	Det. Limit (ppbv)	Det. Limit (uG/m3)	Amount (ppbv)	Amount (uG/m3)
Freon 12	0.50	2.5	Not Detected	Not Detected
Freon 114	0.50	3.6	Not Detected	Not Detected
Chloromethane	0.50	1.0	Not Detected	Not Detected
Vinyl Chloride	0.50	1.3	Not Detected	Not Detected
Bromomethane	0.50	2.0	Not Detected	Not Detected
Chloroethane	0.50	1.3	Not Detected	Not Detected
Freon 11	0.50	2.8	Not Detected	Not Detected
1,1-Dichloroethene	0.50	2.0	Not Detected	Not Detected
Freon 113	0.50	3.9	Not Detected	Not Detected
Methylene Chloride	0.50	1.8	1.4	5.0
1,1-Dichloroethane	0.50	2.0	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.50	2.0	Not Detected	Not Detected
Chloroform	0.50	2.5	Not Detected	Not Detected
1,1,1-Trichloroethane	0.50	2.8	Not Detected	Not Detected
Carbon Tetrachloride	0.50	3.2	Not Detected	Not Detected
Benzene	0.50	1.6	Not Detected	Not Detected
1,2-Dichloroethane	0.50	2.0	Not Detected	Not Detected
Trichloroethene	0.50	2.7	Not Detected	Not Detected
1,2-Dichloropropane	0.50	2.3	Not Detected	Not Detected
cis-1,3-Dichloropropene	0.50	2.3	Not Detected	Not Detected
Toluene	0.50	1.9	Not Detected	Not Detected
trans-1,3-Dichloropropene	0.50	2.3	Not Detected	Not Detected
1,1,2-Trichloroethane	0.50	2.8	Not Detected	Not Detected
Tetrachloroethene	0.50	3.4	Not Detected	Not Detected
Ethylene Dibromide	0.50	3.9	Not Detected	Not Detected
Chlorobenzene	0.50	2.3	Not Detected	Not Detected
Ethyl Benzene	0.50	2.2	Not Detected	Not Detected
m,p-Xylene	0.50	2.2	Not Detected	Not Detected
o-Xylene	0.50	2.2	Not Detected	Not Detected
Styrene	0.50	2.2	Not Detected	Not Detected
1,1,2,2-Tetrachloroethane	0.50	3.5	Not Detected	Not Detected
1,3,5-Trimethylbenzene	0.50	2.5	Not Detected	Not Detected
1,2,4-Trimethylbenzene	0.50	2.5	Not Detected	Not Detected
1,3-Dichlorobenzene	0.50	3.0	Not Detected	Not Detected
1,4-Dichlorobenzene	0.50	3.0	Not Detected	Not Detected
Chlorotoluene	0.50	2.6	Not Detected	Not Detected
1,2-Dichlorobenzene	0.50	3.0	Not Detected	Not Detected
1,2,4-Trichlorobenzene	0.50	3.8	Not Detected	Not Detected
Hexachlorobutadiene	0.50	5.4	Not Detected	Not Detected
Propylene	2.0	3.5	Not Detected	Not Detected
1,3-Butadiene	2.0	4.5	Not Detected	Not Detected
Acetone	2.0	4.8	Not Detected	Not Detected

AIR TOXICS LTD.

SAMPLE NAME : Lab Blank

ID#: 0009131-06A

EPA METHOD TO-14 GC/MS Full Scan

File Name:	g091506	Date of Collection:	NA
Dil. Factor:	1.00	Date of Analysis:	9/15/00

Compound	Det. Limit (ppbv)	Det. Limit (uG/m3)	Amount (ppbv)	Amount (uG/m3)
Carbon Disulfide	2.0	6.3	Not Detected	Not Detected
2-Propanol	2.0	5.0	Not Detected	Not Detected
trans-1,2-Dichloroethene	2.0	8.0	Not Detected	Not Detected
Vinyl Acetate	2.0	7.2	Not Detected	Not Detected
2-Butanone (Methyl Ethyl Ketone)	2.0	6.0	Not Detected	Not Detected
Hexane	2.0	7.2	Not Detected	Not Detected
Tetrahydrofuran	2.0	6.0	Not Detected	Not Detected
Cyclohexane	2.0	7.0	Not Detected	Not Detected
1,4-Dioxane	2.0	7.3	Not Detected	Not Detected
Bromodichloromethane	2.0	14	Not Detected	Not Detected
4-Methyl-2-pentanone	2.0	8.3	Not Detected	Not Detected
2-Hexanone	2.0	8.3	Not Detected	Not Detected
Dibromochloromethane	2.0	17	Not Detected	Not Detected
Bromoform	2.0	21	Not Detected	Not Detected
4-Ethyltoluene	2.0	10	Not Detected	Not Detected
Ethanol	2.0	3.8	Not Detected	Not Detected
Methyl tert-Butyl Ether	2.0	7.3	Not Detected	Not Detected
Heptane	2.0	8.3	Not Detected	Not Detected

Container Type: NA

Surrogates	% Recovery	Method Limits
1,2-Dichloroethane-d4	109	70-130
Toluene-d8	99	70-130
4-Bromofluorobenzene	91	70-130

AIR TOXICS LTD.

SAMPLE NAME : Lab blank

ID#: 0009131-06B

EPA METHOD TO-14 GC/MS Full Scan

File Name:	g091421	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 9/14/00

Compound	Det. Limit (ppbv)	Det. Limit (uG/m3)	Amount (ppbv)	Amount (uG/m3)
Freon 12	0.50	2.5	Not Detected	Not Detected
Freon 114	0.50	3.6	Not Detected	Not Detected
Chloromethane	0.50	1.0	Not Detected	Not Detected
Vinyl Chloride	0.50	1.3	Not Detected	Not Detected
Bromomethane	0.50	2.0	Not Detected	Not Detected
Chloroethane	0.50	1.3	Not Detected	Not Detected
Freon 11	0.50	2.8	Not Detected	Not Detected
1,1-Dichloroethene	0.50	2.0	Not Detected	Not Detected
Freon 113	0.50	3.9	Not Detected	Not Detected
Methylene Chloride	0.50	1.8	Not Detected	Not Detected
1,1-Dichloroethane	0.50	2.0	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.50	2.0	Not Detected	Not Detected
Chloroform	0.50	2.5	Not Detected	Not Detected
1,1,1-Trichloroethane	0.50	2.8	Not Detected	Not Detected
Carbon Tetrachloride	0.50	3.2	Not Detected	Not Detected
Benzene	0.50	1.6	Not Detected	Not Detected
1,2-Dichloroethane	0.50	2.0	Not Detected	Not Detected
Trichloroethene	0.50	2.7	Not Detected	Not Detected
1,2-Dichloropropane	0.50	2.3	Not Detected	Not Detected
cis-1,3-Dichloropropene	0.50	2.3	Not Detected	Not Detected
Toluene	0.50	1.9	Not Detected	Not Detected
trans-1,3-Dichloropropene	0.50	2.3	Not Detected	Not Detected
1,1,2-Trichloroethane	0.50	2.8	Not Detected	Not Detected
Tetrachloroethene	0.50	3.4	Not Detected	Not Detected
Ethylene Dibromide	0.50	3.9	Not Detected	Not Detected
Chlorobenzene	0.50	2.3	Not Detected	Not Detected
Ethyl Benzene	0.50	2.2	Not Detected	Not Detected
m,p-Xylene	0.50	2.2	Not Detected	Not Detected
o-Xylene	0.50	2.2	Not Detected	Not Detected
Styrene	0.50	2.2	Not Detected	Not Detected
1,1,2,2-Tetrachloroethane	0.50	3.5	Not Detected	Not Detected
1,3,5-Trimethylbenzene	0.50	2.5	Not Detected	Not Detected
1,2,4-Trimethylbenzene	0.50	2.5	Not Detected	Not Detected
1,3-Dichlorobenzene	0.50	3.0	Not Detected	Not Detected
1,4-Dichlorobenzene	0.50	3.0	Not Detected	Not Detected
Chlorotoluene	0.50	2.6	Not Detected	Not Detected
1,2-Dichlorobenzene	0.50	3.0	Not Detected	Not Detected
1,2,4-Trichlorobenzene	0.50	3.8	Not Detected	Not Detected
Hexachlorobutadiene	0.50	5.4	Not Detected	Not Detected
Propylene	2.0	3.5	Not Detected	Not Detected
1,3-Butadiene	2.0	4.5	Not Detected	Not Detected
Acetone	2.0	4.8	Not Detected	Not Detected

AIR TOXICS LTD.

SAMPLE NAME : Lab blank

ID#: 0009131-06B

EPA METHOD TO-14 GC/MS Full Scan

File Name:	g091421	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 9/14/00

Compound	Det. Limit (ppbv)	Det. Limit (uG/m3)	Amount (ppbv)	Amount (uG/m3)
Carbon Disulfide	2.0	6.3	Not Detected	Not Detected
2-Propanol	2.0	5.0	Not Detected	Not Detected
trans-1,2-Dichloroethene	2.0	8.0	Not Detected	Not Detected
Vinyl Acetate	2.0	7.2	Not Detected	Not Detected
2-Butanone (Methyl Ethyl Ketone)	2.0	6.0	Not Detected	Not Detected
Hexane	2.0	7.2	Not Detected	Not Detected
Tetrahydrofuran	2.0	6.0	Not Detected	Not Detected
Cyclohexane	2.0	7.0	Not Detected	Not Detected
1,4-Dioxane	2.0	7.3	Not Detected	Not Detected
Bromodichloromethane	2.0	14	Not Detected	Not Detected
4-Methyl-2-pentanone	2.0	8.3	Not Detected	Not Detected
2-Hexanone	2.0	8.3	Not Detected	Not Detected
Dibromochloromethane	2.0	17	Not Detected	Not Detected
Bromoform	2.0	21	Not Detected	Not Detected
4-Ethyltoluene	2.0	10	Not Detected	Not Detected
Ethanol	2.0	3.8	Not Detected	Not Detected
Methyl tert-Butyl Ether	2.0	7.3	Not Detected	Not Detected
Heptane	2.0	8.3	Not Detected	Not Detected

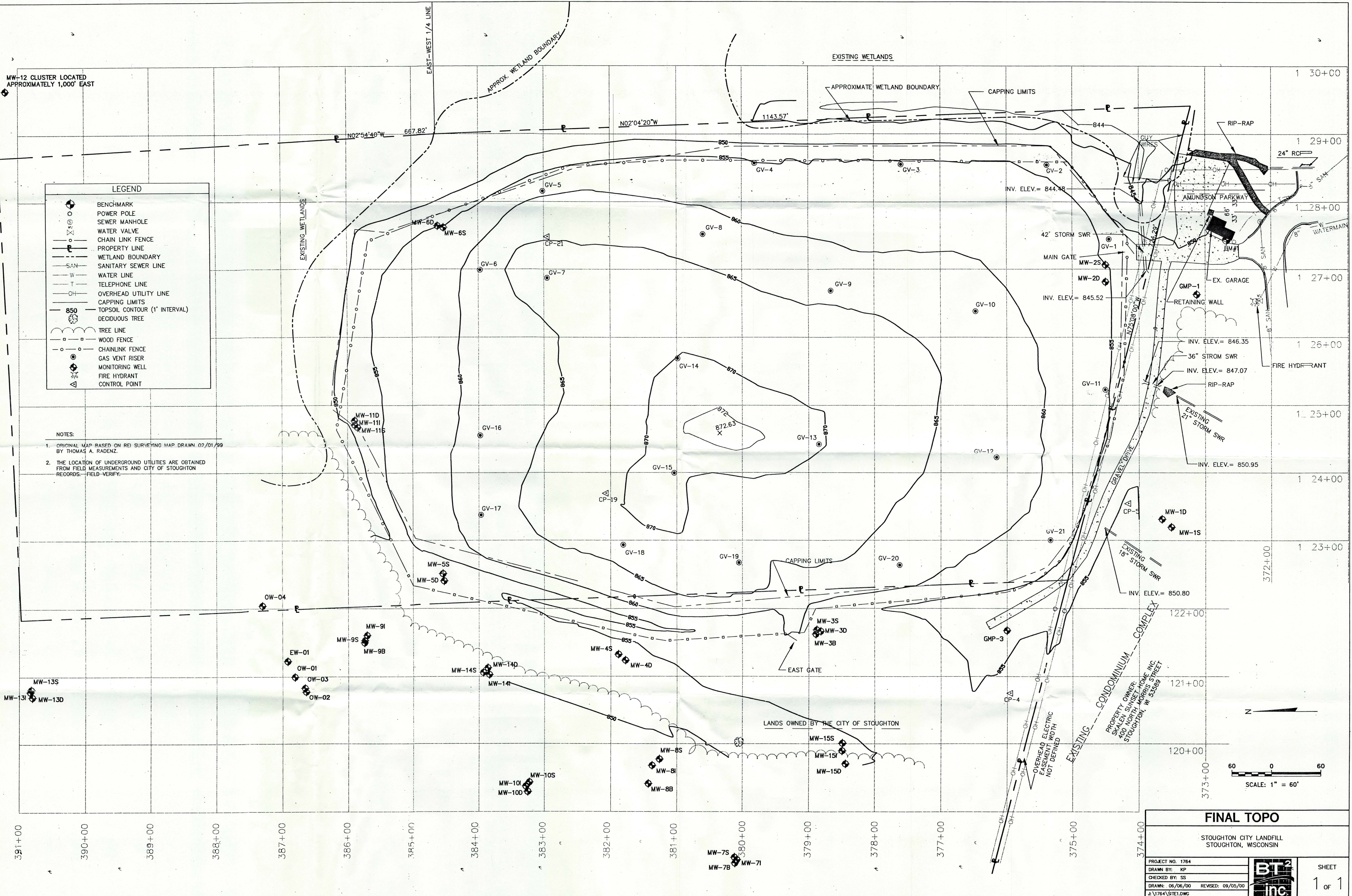
Container Type: NA

Surrogates	% Recovery	Method Limits
1,2-Dichloroethane-d4	101	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	92	70-130

MW-12 CLUSTER LOCATED APPROXIMATELY 1,000' EAST

LEGEND	
	BENCHMARK
	POWER POLE
	SEWER MANHOLE
	WATER VALVE
	CHAIN LINK FENCE
	PROPERTY LINE
	WETLAND BOUNDARY
	SANITARY SEWER LINE
	WATER LINE
	TELEPHONE LINE
	OVERHEAD UTILITY LINE
	CAPPING LIMITS
	TOPSOIL CONTOUR (1' INTERVAL)
	DECIDUOUS TREE
	TREE LINE
	WOOD FENCE
	CHAINLINK FENCE
	GAS VENT RISER
	MONITORING WELL
	FIRE HYDRANT
	CONTROL POINT

- NOTES:
1. ORIGINAL MAP BASED ON REI SURVEYING MAP DRAWN 02/01/99 BY THOMAS A. RADENZ.
 2. THE LOCATION OF UNDERGROUND UTILITIES ARE OBTAINED FROM FIELD MEASUREMENTS AND CITY OF STOUGHTON RECORDS. FIELD-VERIFY.



FINAL TOPO

STOUGHTON CITY LANDFILL
STOUGHTON, WISCONSIN

PROJECT NO. 1764		SHEET 1 of 1
DRAWN BY: KP		
CHECKED BY: SS		
DRAWN: 06/06/00 REWSED: 09/05/00 A:\1764\STELDWG		