November 26, 2003

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

SUBJECT: **Annual Landfill Gas Vent Monitoring Report**
September 2003 Monitoring Event
Stoughton City Landfill
FID # 113005950 - License #133
WDNR Purchase Order #NMD00000028
WDNR Project # J-036-02
BT^2 Project #1764

Dear Mr. Schmoller:

This letter provides the Annual Landfill Gas (LFG) Vent Monitoring Report for the September 2003 monitoring event at the Stoughton City Landfill site. Passive gas vents GV-5, GV-6, GV-7, GV-16, GV-17, and GV-18, along with a trip blank, were sampled on September 25, 2003.

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).

The last six previously unsampled passive gas vents were chosen for the fourth year of sampling. See the attached site map **(Figure 2)** for the passive gas vent well locations. On September 22, 2003, three days prior to the sampling event, an airtight stainless steel well cap with a ¼-inch barbed fitting was placed on each of the five gas vents. On September 25, 2003, 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 Canisters. For each individual Summa Canister, the initial vacuum, 10 minute vacuum, 20 minute vacuum, end vacuum, start time, 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 Wisconsin Department of Natural Resources (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 gas chromatograph/mass spectrometer (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

Passive gas vent GV-17 was flagged with the laboratory qualifier "E, Exceeds instrument calibration range" for acetone with a result of 340 parts per billion volume (ppbv). The remaining five passive gas vent wells were not flagged with any qualifiers. The laboratory control sample (LCS) sample for September 28, 2003 was flagged "Q, Exceeds quality control limits", for bromomethane with 144% recovery (limits are 70-130%). The LCS sample for September 29, 2003 was flagged "Q, Exceeds quality control limits", for bromomethane with 136% recovery. Bromomethane was not detected in any of the site samples. No other qualifiers were used.

Volatile Organic Compounds Detected

GV-5
Detections included:

- Freon 12 at 61 ppbv
- Freon 11 at 2.3 ppbv
- Toluene at 100 ppbv
- Tetrachloroethene at 0.82 ppbv
- Ethylbenzene at 0.86 ppbv
- m,p-Xylene at 3.1 ppbv
- o-Xylene at 0.71 ppbv
- Hexane at 3.6 ppbv
- Acetone at 14 ppbv
- Carbon disulfide at 4.4 ppbv
- 2-Butanone (methyl ethyl ketone) at 13 ppbv
- Tetrahydrofuran at 100 ppbv
- Ethanol at 5.0 ppbv

GV-6
Detections included:

- Freon 12 at 59 ppbv
- Freon 11 at 6.6 ppbv
- Toluene at 120 ppbv
- m,p-Xylene at 4.5 ppbv
- Hexane at 4.3 ppbv
- Acetone at 38 ppbv
- Carbon disulfide at 7.5 ppbv
- 2-Butanone (methyl ethyl ketone) at 18 ppbv
- Tetrahydrofuran at 320 ppbv

GV-7
Detections included:

- Freon 12 at 22,000 ppbv
- Vinyl chloride at 410 ppbv
- Freon 11 at 4,200 ppbv
- Toluene at 140 ppbv
- Hexane at 350 ppbv
- Cyclohexane at 78 ppbv
- Acetone at 1,100 ppbv
- Tetrahydrofuran at 360 ppbv

GV-16
Detections included:

- Freon 12 at 260 ppbv
- Freon 114 at 9.3 ppbv
- Vinyl chloride at 8.6 ppbv
- Freon 11 at 180 ppbv
- Toluene at 99 ppbv
- Hexane at 140 ppbv
- Cyclohexane at 26 ppbv
- Heptane at 27 ppbv
- Acetone at 2,300 ppbv
- 2-Butanone (methyl ethyl ketone) at 33 ppbv
- Tetrahydrofuran at 160 ppbv

GV-17
Detections included:

- Freon 12 at 66 ppbv
- Freon 114 at 1.0 ppbv
- Freon 11 at 49 ppbv
- Toluene at 65 ppbv
- m,p-Xylene at 2.4 ppv
- 1,2,4-Trimethylbenzene at 0.85 ppbv
- Hexane at 34 ppbv
- Cyclohexane at 9.5 ppbv
- Heptane at 13 ppbv
- Acetone at 340 ppbv
- 2-Butanone (methyl ethyl ketone) at 22 ppbv
- Tetrahydrofuran at 120 ppbv
- Ethanol at 6.8 ppbv

GV-18
Detections included:

- Freon 12 at 46 ppbv
- Freon 114 at 3.0 ppbv
- Freon 11 at 24 ppbv
- Toluene at 36 ppbv
- m,p-Xylene at 1.6 ppbv
- Hexane at 16 ppbv

- Cyclohexane at 6.0 ppbv
- Heptane at 6.0 ppbv
- Acetone at 150 ppbv
- 2-Propanol at 5.4 ppbv
- 2-Butanone (methyl ethyl ketone) at 28 ppbv
- Tetrahydrofuran at 160 ppbv
- Ethanol at 6.7 ppbv

Trip Blank
No detections were found in the trip blank.

Sampling Plan Deviations

No deviations were made from the Sampling Plan and Field Procedures listed in the QAPP.

Emissions Estimation

The chapter NR 445, WAC Hazardous Air Contaminant Acceptable Ambient Concentrations table lists limits for benzene at 300 lbs/yr, ethylbenzene at 152.136 lbs/yr, THF at 49.1352 lbs/yr, and vinyl chloride at 300 lbs/yr. Very low to no flow was detectable at the passive gas vents at the time the samples were collected, so no emissions could be estimated. However, as barometric pressure changes, the individual gas vents may be "inhaling" or "exhaling" gas. Additionally, the flow rate from the entire facility cannot be estimated based on the passive vents. Although some emissions may be occurring, 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.

The Year 5 Annual Landfill Gas Vent Monitoring event will be due in September 2004. A proposed list of selected passive gas vent wells to be sampled will be included with our Year 5 Proposal in May 2004. 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,
BT^2, Inc.

Jan C. Kucher, P.E.
Project Manager

Steven B. Smith
Environmental Specialist

cc: Mr. Bernard Schorle , U.S. EPA Region V Office

Enclosures:
CD-ROM
Table 1 - Summa Canister Field Data
Table 2 - Annual Landfill Gas Monitoring Results
Figure 1 - Site Map
Figure 2 - Site Plan
Attachment A - Laboratory Analytical Report

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TABLES

Table 1
Annual Passive Gas Vent Sampling
September 2003
Summa Canister Field Data
Stoughton City Landfill / BT² Project #1764

Passive Gas Vent GV-5
Start time = 10:55 am
End Time = 11:25 am
Starting Vacuum = -28.5" Hg
Vacuum at 10 minutes = -18" Hg
Vacuum at 20 minutes = -10" Hg
End Vacuum = -1.0" Hg
Date = 9/25/03

Passive Gas Vent GV-6
Start time = 11:40 am
End Time = 12:20 pm
Starting Vacuum = -28" Hg
Vacuum at 10 minutes = -17" Hg
Vacuum at 20 minutes = -11" Hg
End Vacuum = -5" Hg
Date = 9/25/03

Passive Gas Vent GV-7
Start time = 12:30 pm
End Time = 13:00 pm
Starting Vacuum = -29.5" Hg
Vacuum at 10 minutes = -19" Hg
Vacuum at 20 minutes = -9" Hg
End Vacuum = -3.5" Hg
Date = 9/25/03

Passive Gas Vent GV-16
Start time = 13:20 pm
End Time = 13:50 pm
Starting Vacuum = -29.5" Hg
Vacuum at 10 minutes = -18" Hg
Vacuum at 20 minutes = -10" Hg
End Vacuum = -4.5" Hg
Date = 9/25/03

Passive Gas Vent GV-17
Start time = 14:05 pm
End time = 14:35 pm
Starting Vacuum = -29.5" Hg
Vacuum at 10 minutes = -18" Hg
Vacuum at 20 minutes = -12" Hg
End Vacuum = -4.5" Hg
Date =9/25/03

Passive Gas Vent GV-18
Start time = 14:45 pm
End time = 15:15 pm
Starting Vacuum = -28" Hg
Vacuum at 10 minutes = -17.5" Hg
Vacuum at 20 minutes = -12" Hg
End Vacuum = -4.5" Hg
Date =9/25/03

Weather
Date =9/25/03
Barometric Pressure = 30.04" Hg
Temperature = 53.6 ^{0}F
Humidity = 51%
Dewpoint = 35.8 ^{0}F
Ground Surface = Dry
Conditions = Partly overcast, 6.9 mph wind
Equipment = LMS$_X$ Landfill Gas Meter, Thermo Environmental PID
Operator = Steven Smith

Trip Blank
Cannister #95562
Starting Vacuum = -27.5" Hg

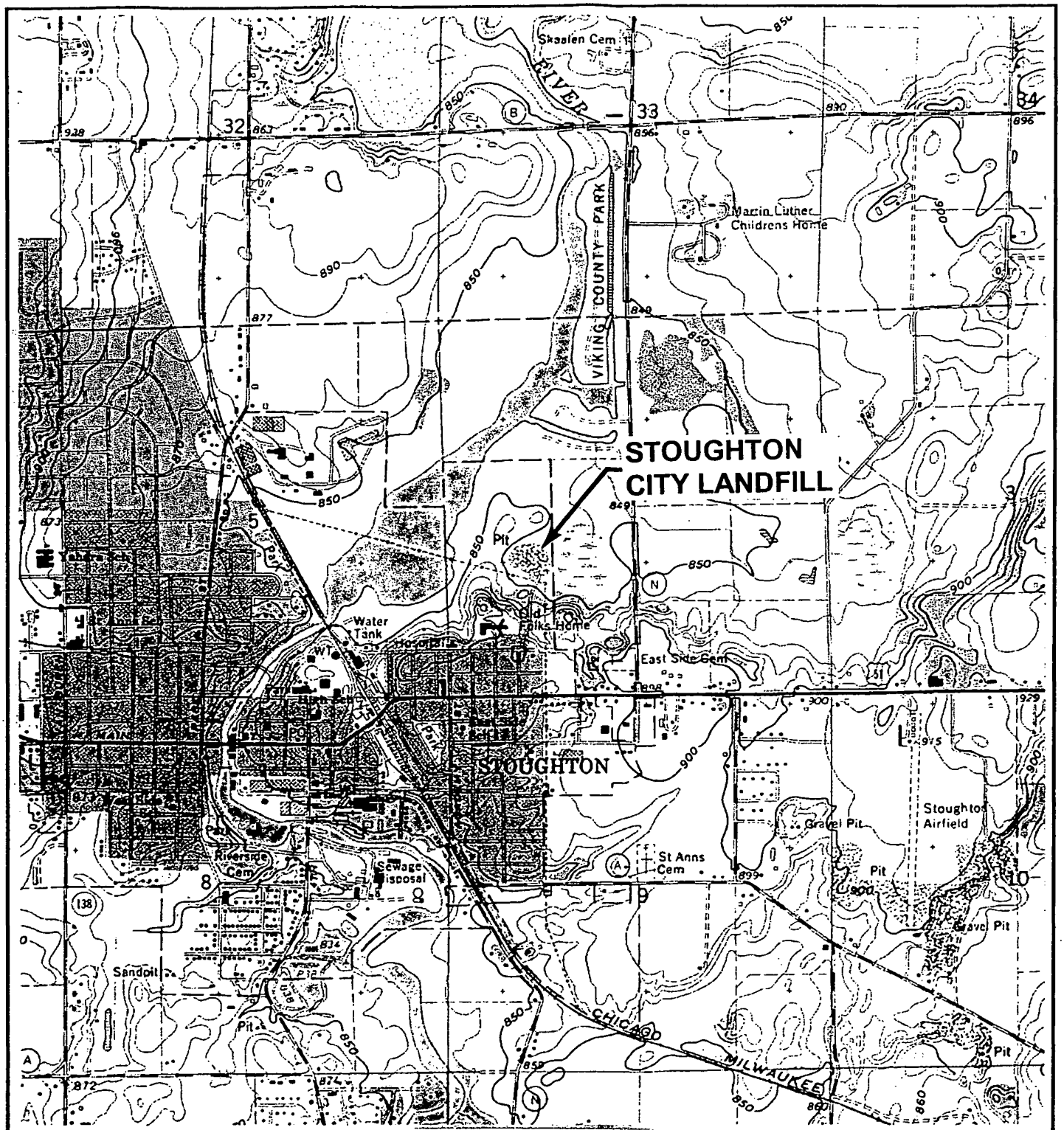
Table 2
Annual Landfill Gas Monitoring Results
Stoughton City Landfill
September 2003 Sampling Event
BT² Project #1764

	Sample Name: GV-5 ID #: 0309515-02A		Sample Name: GV-6 ID #: 0309515-03A		Sample Name: GV-6 Dup ID #: 0309515-03A		Sample Name: GV-7 ID #: 0309515-04A		Sample Name: GV-16 ID #: 0309515-05A		Sample Name: GV-17 ID #: 0309515-06A		Sample Name: GV-18 ID #: 0309515-07A		Sample Name: Trip Blank ID #: 0309515-01A		Sample Name: Lab Blank ID #: 0309515-08A		Sample Name: Lab Blank ID #: 0309515-08B	
Compound	Reporting Limit (ppbv)	Result Amount (ppbv)	Reporting Limit (ppbv)	Result Amount (ppbv)	Reporting Limit (ppbv)	Result Amount (ppbv)	Reporting Limit (ppbv)	Result Amount (ppbv)	Reporting Limit (ppbv)	Result Amount (ppbv)	Reporting Limit (ppbv)	Result Amount (ppbv)	Reporting Limit (ppbv)	Result Amount (ppbv)	Reporting Limit (ppbv)	Result Amount (ppbv)	Reporting Limit (ppbv)	Result Amount (ppbv)	Reporting Limit (ppbv)	Result Amount (ppbv)
Freon 12	0.70	61	1.7	59	3.4	64	78	22,000	7.8	260	0.80	66	0.84	46	0.50	ND	0.50	ND	0.50	ND
Freon 114	0.70	ND	1.7	ND	3.4	ND	78	ND	7.8	9.3	0.80	1.0	0.84	3.0	0.50	ND	0.50	ND	0.50	ND
Chloromethane	2.8	ND	6.7	ND	13	ND	310	ND	31	ND	3.2	ND	3.4	ND	2.0	ND	2.0	ND	2.0	ND
Vinyl chloride	0.70	ND	1.7	ND	3.4	ND	78	410	7.8	8.6	0.80	ND	0.84	ND	0.50	ND	0.50	ND	0.50	ND
Bromomethane	0.70	ND	1.7	ND	3.4	ND	78	ND	7.8	ND	0.80	ND	0.84	ND	0.50	ND	0.50	ND	0.50	ND
Chloroethane	0.70	ND	1.7	ND	3.4	ND	78	ND	7.8	ND	0.80	ND	0.84	ND	0.50	ND	0.50	ND	0.50	ND
Freon 11	0.70	2.3	1.7	6.6	3.4	7.1	78	4,200	7.8	180	0.80	49	0.84	24	0.50	ND	0.50	ND	0.50	ND
1,1-Dichloroethene	0.70	ND	1.7	ND	3.4	ND	78	ND	7.8	ND	0.80	ND	0.84	ND	0.50	ND	0.50	ND	0.50	ND
Freon 113	0.70	ND	1.7	ND	3.4	ND	78	ND	7.8	ND	0.80	ND	0.84	ND	0.50	ND	0.50	ND	0.50	ND
Methylene Chloride	0.70	ND	1.7	ND	3.4	ND	78	ND	7.8	ND	0.80	ND	0.84	ND	0.50	ND	0.50	ND	0.50	ND
1,1-Dichloroethane	0.70	ND	1.7	ND	3.4	ND	78	ND	7.8	ND	0.80	ND	0.84	ND	0.50	ND	0.50	ND	0.50	ND
cis-1,2-Dichloroethene	0.70	ND	1.7	ND	3.4	ND	78	ND	7.8	ND	0.80	ND	0.84	ND	0.50	ND	0.50	ND	0.50	ND
Chloroform	0.70	ND	1.7	ND	3.4	ND	78	ND	7.8	ND	0.80	ND	0.84	ND	0.50	ND	0.50	ND	0.50	ND
1,1,1-Trichloroethane	0.70	ND	1.7	ND	3.4	ND	78	ND	7.8	ND	0.80	ND	0.84	ND	0.50	ND	0.50	ND	0.50	ND
Carbon Tetrachloride	0.70	ND	1.7	ND	3.4	ND	78	ND	7.8	ND	0.80	ND	0.84	ND	0.50	ND	0.50	ND	0.50	ND
Benzene	0.70	ND	1.7	ND	3.4	ND	78	ND	7.8	ND	0.80	ND	0.84	ND	0.50	ND	0.50	ND	0.50	ND
1,2-Dichloroethane	0.70	ND	1.7	ND	3.4	ND	78	ND	7.8	ND	0.80	ND	0.84	ND	0.50	ND	0.50	ND	0.50	ND
Trichloroethene	0.70	ND	1.7	ND	3.4	ND	78	ND	7.8	ND	0.80	ND	0.84	ND	0.50	ND	0.50	ND	0.50	ND
1,2-Dichloropropane	0.70	ND	1.7	ND	3.4	ND	78	ND	7.8	ND	0.80	ND	0.84	ND	0.50	ND	0.50	ND	0.50	ND
cis-1,3-Dichloropropene	0.70	ND	1.7	ND	3.4	ND	78	ND	7.8	ND	0.80	ND	0.84	ND	0.50	ND	0.50	ND	0.50	ND
Toluene	0.70	100	1.7	120	3.4	130	78	140	7.8	99	0.80	65	0.84	36	0.50	ND	0.50	ND	0.50	ND
trans-1,3-Dichloropropene	0.70	ND	1.7	ND	3.4	ND	78	ND	7.8	ND	0.80	ND	0.84	ND	0.50	ND	0.50	ND	0.50	ND
1,1,2-Trichloroethane	0.70	ND	1.7	ND	3.4	ND	78	ND	7.8	ND	0.80	ND	0.84	ND	0.50	ND	0.50	ND	0.50	ND
Tetrachloroethene	0.70	0.82	1.7	ND	3.4	ND	78	ND	7.8	ND	0.80	ND	0.84	ND	0.50	ND	0.50	ND	0.50	ND
1,2-Dibromoethane (EDB)	0.70	ND	1.7	ND	3.4	ND	78	ND	7.8	ND	0.80	ND	0.84	ND	0.50	ND	0.50	ND	0.50	ND
Chlorobenzene	0.70	ND	1.7	ND	3.4	ND	78	ND	7.8	ND	0.80	ND	0.84	ND	0.50	ND	0.50	ND	0.50	ND
Ethylbenzene	0.70	0.86	1.7	ND	3.4	ND	78	ND	7.8	ND	0.80	ND	0.84	ND	0.50	ND	0.50	ND	0.50	ND
m,p-Xylene	0.70	3.1	1.7	4.5	3.4	4.4	78	ND	7.8	ND	0.80	2.4	0.84	1.6	0.50	ND	0.50	ND	0.50	ND
o-Xylene	0.70	0.71	1.7	ND	3.4	ND	78	ND	7.8	ND	0.80	ND	0.84	ND	0.50	ND	0.50	ND	0.50	ND
Styrene	0.70	ND	1.7	ND	3.4	ND	78	ND	7.8	ND	0.80	ND	0.84	ND	0.50	ND	0.50	ND	0.50	ND
1,1,2,2-Tetrachloroethane	0.70	ND	1.7	ND	3.4	ND	78	ND	7.8	ND	0.80	ND	0.84	ND	0.50	ND	0.50	ND	0.50	ND
1,3,5-Trimethylbenzene	0.70	ND	1.7	ND	3.4	ND	78	ND	7.8	ND	0.80	ND	0.84	ND	0.50	ND	0.50	ND	0.50	ND
1,2,4-Trimethylbenzene	0.70	ND	1.7	ND	3.4	ND	78	ND	7.8	ND	0.80	0.85	0.84	ND	0.50	ND	0.50	ND	0.50	ND
1,3-Dichlorobenzene	0.70	ND	1.7	ND	3.4	ND	78	ND	7.8	ND	0.80	ND	0.84	ND	0.50	ND	0.50	ND	0.50	ND
1,4-Dichlorobenzene	0.70	ND	1.7	ND	3.4	ND	78	ND	7.8	ND	0.80	ND	0.84	ND	0.50	ND	0.50	ND	0.50	ND
alpha-Chlorotoluene	0.70	ND	1.7	ND	3.4	ND	78	ND	7.8	ND	0.80	ND	0.84	ND	0.50	ND	0.50	ND	0.50	ND
1,2-Dichlorobenzene	0.70	ND	1.7	ND	3.4	ND	78	ND	7.8	ND	0.80	ND	0.84	ND	0.50	ND	0.50	ND	0.50	ND
Cumene	0.70	ND	1.7	ND	3.4	ND	78	ND	7.8	ND	0.80	ND	0.84	ND	0.50	ND	0.50	ND	0.50	ND
Propylbenzene	0.70	ND	1.7	ND	3.4	ND	78	ND	7.8	ND	0.80	ND	0.84	ND	0.50	ND	0.50	ND	0.50	ND
1,2,4-Trichlorobenzene	2.8	ND	6.7	ND	13	ND	310	ND	31	ND	3.2	ND	3.4	ND	2.0	ND	2.0	ND	2.0	ND
Hexachlorobutadiene	2.8	ND	6.7	ND	13	ND	310	ND	31	ND	3.2	ND	3.4	ND	2.0	ND	2.0	ND	2.0	ND
Propylene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Butadiene	0.70	ND	1.7	ND	3.4	ND	78	ND	7.8	ND	0.80	ND	0.84	ND	0.50	ND	2.0	ND	2.0	ND
Acetone	2.8	14	6.7	38	13	39	310	1,100	31	2,300	3.2	340 E	3.4	150	2.0	ND	2.0	ND	2.0	ND
Carbon Disulfide	2.8	4.4	6.7	7.5	13	ND	310	ND	31	ND	3.2	ND	3.4	ND	2.0	ND	2.0	ND	2.0	ND
2-Propanol	2.8	ND	6.7	ND	13	ND	310	ND	31	ND	3.2	ND	3.4	5.4	2.0	ND	2.0	ND	2.0	ND
trans-1,2-Dichloroethene	2.8	ND	6.7	ND	13	ND	310	ND	31	ND	3.2	ND	3.4	ND	2.0	ND	2.0	ND	2.0	ND
Vinyl Acetate	2.8	ND	6.7	ND	13	ND	310	ND	31	ND	3.2	ND	3.4	ND	2.0	ND	2.0	ND	2.0	ND
2-Butanone (Methyl Ethyl Ketone)	2.8	13	6.7	18	13	17	310	ND	31	33	3.2	22	3.4	28	2.0	ND	2.0	ND	2.0	ND
Hexane	0.70	3.6	1.7	4.3	3.4	3.9	78	350	7.8	140	0.80	34	0.84	16	0.50	ND	2.0	ND	2.0	ND
Tetrahydrofuran	2.8	100	6.7	320	13	350	310	360	31	160	3.2	120	3.4	160	2.0	ND	2.0	ND	2.0	ND
Cyclohexane	0.70	ND	1.7	ND	3.4	ND	78	78	7.8	26	0.80	9.5	0.84	6.0	0.50	ND	2.0	ND	2.0	ND
1,4-Dioxane	2.8	ND	6.7	ND	13	ND	310	ND	31	ND	3.2	ND	3.4	ND	2.0	ND	2.0	ND	2.0	ND
Bromodichloromethane	0.70	ND	1.7	ND	3.4	ND	78	ND	7.8	ND	0.80	ND	0.84	ND	0.50	ND	2.0	ND	2.0	ND
4-Methyl-2-pentanone	2.8	ND	6.7	ND	13	ND	310	ND	31	ND	3.2	ND	3.4	ND	2.0	ND	2.0	ND	2.0	ND
2-Hexanone	2.8	ND	6.7	ND	13	ND	310	ND	31	ND	3.2	ND	3.4	ND	2.0	ND	2.0	ND	2.0	ND
Dibromochloromethane	0.70	ND	1.7	ND	3.4	ND	78	ND	7.8	ND	0.80	ND	0.84	ND	0.50	ND	2.0	ND	2.0	ND
Bromoform	2.8	ND	6.7	ND	13	ND	310	ND	31	ND	3.2	ND	3.4	ND	2.0	ND	2.0	ND	2.0	ND
4-Ethyltoluene	2.8	ND	6.7	ND	13	ND	310	ND	31	ND	3.2	ND	3.4	ND	2.0	ND	2.0	ND	2.0	ND
Ethanol	2.8	5.0	6.7	ND	13	ND	310	ND	31	ND	3.2	6.8	3.4	6.7	2.0	ND	2.0	ND	2.0	ND
Methyl tert-Butyl Ether	2.8	ND	6.7	ND	13	ND	310	ND	31	ND	3.2	ND	3.4	ND	2.0	ND	2.0	ND	2.0	ND
Heptane	0.70	ND	1.7	ND	3.4	ND	78	ND	7.8	27	0.80	13	0.84	6.0	0.50	ND	2.0	ND	2.0	ND
Methane	–	0.7%	–	10.8%	–	–	–	0.1%	–	14.1%	–	9.9%	–	11.3%	–	–	–	–	–	–
Oxygen	–	21.0%	–	11.3%	–	–	–	20.0%	–	9.9%	–	13.3%	–	9.9%	–	–	–	–	–	–
Carbon dioxide	–	9.3%	–	22%	–	–	–	19.1%	–	20.1%	–	1.7%	–	7.3%	–	–	–	–	–	–

ABBREVIATIONS:
NA = Not Applicable
ND = Not Detected
E = Exceeds instrument calibration range

Created by: LMH 11/12/03
Checked by: SS 11/12/03

FIGURES



STOUGHTON, WIS.

NW/4 STOUGHTON 15' QUADRANGLE

N4252.5—W8907.5/7.5

1961

• PHOTOREVISED 1982

DMA 3169 I NW—SERIES V861

UTM GRID AND 1982 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

WISCONSIN

QUADRANGLE LOCATION

PROJECT NO.	1764
DRAWN BY:	KP
CHECKED BY:	SS
DRAWN:	08/02/00
SCALE:	1" = 2,000'

FIGURE 1
SITE LOCATION MAP
STOUGHTON CITY LANDFILL
STOUGHTON, WISCONSIN

J:\1764\FIG1.DWG

MW-12 CLUSTER LOCATED APPROXIMATELY 1,000' EAST

EAST-WEST 1/4 LINE

APPROX. WETLAND BOUNDARY

EXISTING WETLANDS

APPROXIMATE WETLAND BOUNDARY

CAPPING LIMITS

N02°54'40"W 667.82'

N02°04'20"W 1143.57'

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
- 850 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.

GV-1 GV-2 GV-3 GV-4 GV-5 GV-6 GV-7 GV-8 GV-9 GV-10 GV-11 GV-12 GV-13 GV-14 GV-15 GV-16 GV-17 GV-18 GV-19 GV-20 GV-21

CP-19 CP-21 CP-5 CP-4

MW-6D MW-6S MW-11D MW-11I MW-11S MW-5S MW-5D MW-9I MW-9S MW-9B MW-14S MW-14D MW-14I MW-4S MW-4D MW-3S MW-3D MW-3B MW-13S MW-13I MW-13D MW-10S MW-10I MW-10D MW-8S MW-8I MW-8B MW-7S MW-7I MW-7B MW-15S MW-15I MW-15D MW-2S MW-2D MW-1D MW-1S

OW-04 EW-01 OW-01 OW-03 OW-02

GMP-1 GMP-3 BM#1

INV. ELEV.= 844.18

INV. ELEV.= 845.52

INV. ELEV.= 846.35

INV. ELEV.= 847.07

INV. ELEV.= 850.95

INV. ELEV.= 850.80

42" STORM SWR

36" STROM SWR

EXISTING 21" STORM SWR

EXISTING 18" STORM SWR

24" RCP

RIP-RAP

GUY WIRES

MAIN GATE

EAST GATE

EX. GARAGE

RETAINING WALL

FIRE HYDRANT

AMUNDSON PARKWAY

GRAVEL DRIVE

EXISTING CONDOMINIUM COMPLEX

PROPERTY OWNER: SKALEN SUNSET HOME INC. 400 NORTH MORRIS STREET STOUGHTON, WI 53589

OVERHEAD ELECTRIC EASEMENT WIDTH NOT DEFINED

LANDS OWNED BY THE CITY OF STOUGHTON

N72°08'00"W 144.29'

1 30+00 1 29+00 1 28+00 1 27+00 1 26+00 1 25+00 1 24+00 1 23+00

391+00 390+00 389+00 388+00 387+00 386+00 385+00 384+00 383+00 382+00 381+00 380+00 379+00 378+00 377+00 376+00 375+00 374+00 373+00 372+00

122+00 121+00 120+00

N

60 0 60

SCALE: 1" = 60'

FINAL TOPO

STOUGHTON CITY LANDFILL
STOUGHTON, WISCONSIN

PROJECT NO. 1764	
DRAWN BY: KP	
CHECKED BY: SS	
DRAWN: 06/06/00	REVISED: 09/05/00
J:\1764\SITE1.DWG	

BT² inc.

SHEET 1 OF 1


SITE PLAN
STOUGHTON CITY LANDFILL
STOUGHTON, WISCONSIN
PROJECT NO. 1764
DRAWN BY: KP/FS
CHECKED BY: SS
DRAWN: 06/06/00 REVISED: 11/11/03
J:\1764\SITE1.DWG
BT² inc.
SHEET 1 OF 1
SCALE: 1" = 60'
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
850 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.
ANNUAL GAS VENT WELL SAMPLING
YEAR 1 (2000) GV-1,2,3,11,21
YEAR 2 (2001) GV-9,10,12,13,20
YEAR 3 (2002) GV-4,8,14,15,19
YEAR 4 (2003) GV-5,6,7,16,17,18
EAST-WEST 1/4 LINE
APPROX. WETLAND BOUNDARY
EXISTING WETLANDS
APPROXIMATE WETLAND BOUNDARY
CAPPING LIMITS
N02°54'40"W 667.82'
N02°04'20"W
1143.57'
RIP-RAP
24" RCP
AMUNDSON PARKWAY
8" WATERMAIN
8" SAN
42" STORM SWR
MAIN GATE
INV. ELEV.= 844.48
INV. ELEV.= 845.52
EX. GARAGE
RETAINING WALL
GMP-1
BM#1
INV. ELEV.= 846.35
36" STROM SWR
INV. ELEV.= 847.07
FIRE HYDRANT
EXISTING 21" STORM SWR
INV. ELEV.= 850.95
GRAVEL DRIVE
EXISTING 18" STORM SWR
INV. ELEV.= 850.80
EXISTING CONDOMINIUM COMPLEX
PROPERTY OWNER: SKAALEN SUNSET HOME INC. 400 NORTH MORRIS STREET STOUGHTON, WI 53589
OVERHEAD ELECTRIC EASEMENT WIDTH NOT DEFINED
LANDS OWNED BY THE CITY OF STOUGHTON
EAST GATE
872.63
GV-1 GV-2 8/22/00 GV-3 8/22/00 GV-4 9/29/02 GV-5 9/25/03 GV-6 9/25/03 GV-7 9/25/03 GV-8 9/26/02 GV-9 9/27/01 GV-10 9/27/01 GV-11 8/22/00 GV-12 9/27/01 GV-13 9/27/01 GV-14 9/26/02 GV-15 9/26/02 GV-16 9/25/03 GV-17 9/25/03 GV-18 9/25/03 GV-19 9/26/02 GV-20 9/27/01 GV-21 8/22/00
CP-4 CP-5 CP-19 CP-21
MW-1D MW-1S MW-2S MW-2D MW-3S MW-3D MW-3B MW-4S MW-4D MW-5S MW-5D MW-6D MW-6S MW-7S MW-7B MW-7I MW-8S MW-8I MW-8B MW-9S MW-9I MW-9B MW-10S MW-10I MW-10D MW-11D MW-11I MW-11S MW-13S MW-13I MW-13D MW-14S MW-14D MW-14I MW-15S MW-15I MW-15D
GMP-3
OW-01 OW-02 OW-03 OW-04 EW-01
130+00 129+00 128+00 127+00 126+00 125+00 124+00 123+00 122+00 121+00 120+00
391+00 390+00 389+00 388+00 387+00 386+00 385+00 384+00 383+00 382+00 381+00 380+00 379+00 378+00 377+00 375+00 374+00 373+00 372+00

ATTACHMENT A

Laboratory Analytical Report

@ AIR TOXICS LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

CHAIN-OF-CUSTODY RECORD

Sample Transportation Notice

Relinquishing signature on this document indicates that sample is being shipped in compliance with all applicable local, State, Federal, national, and international laws, regulations and ordinances of any kind. Air Toxics Limited assumes no liability with respect to the collection, handling or shipping of these samples. Relinquishing signature also indicates agreement to hold harmless, defend, and indemnify Air Toxics Limited against any claim, demand, or action of any kind, related to the collection, handling, or shipping of samples. D.O.T. Hotline (800) 467-4922

180 BLUE RAVINE ROAD, SUITE B
FOLSOM, CA 95630-4719
(916) 985-1000 FAX: (916) 985-1020

Contact Person: Steven Smith
Company: BJ² Inc.
Address: 2530 Dairy Dr. City: Madison State: WI Zip: 53718
Phone: (608) 224-2830 FAX: (608) 224-2839
Collected By: Signature: D Arnold

Project info:
P.O. #: —
Project #: 1764
Project Name: Stoughton City LF

Turn Around Time:
☒ Normal
☐ Rush _____ Specify

MD 9-26-03

Lab I.D.	Field Sample I.D.	Date & Time	Analyses Requested	Canister Pressure / Vacuum Initial	Final	Receipt
01A	Trip Blank	9/25/03 10:35	TO-14 (EPA)	-27.5	-27.5	29.0" Hg
02A	GV-5	10:55		-28.5	-1.0	1.0" Hg
03A	GV-6	11:40		-28.0	-5.0	6.0" Hg
04A	GV-7	12:30		-29.5	-3.5	4.0" Hg
05A	GV-16	13:20		-29.5	-4.5	5.0" Hg
06A	GV-17	14:05		-29.5	-4.5	5.0" Hg
07A	GV-18	14:45		-28.0	-4.5	6.0" Hg

Relinquished By: (Signature) Date/Time: D Arnold 9/25/03
Received By: (Signature) Date/Time: Laura Thomas ATL 9/26/03 1000

Relinquished By: (Signature) Date/Time:
Received By: (Signature) Date/Time:

Relinquished By: (Signature) Date/Time:
Received By: (Signature) Date/Time:

Notes:
30 minute sample time for all GV samples.

Lab Use Only	Shipper Name	Air Bill #	Opened By	Temp. (°C)	Condition	Custody Seals Intact?	Work Order #
	UPS	1Z F51 03V 22 2001 8720	[illegible]	—	Good	Yes No None	0309515

Form 1292 rev. 09

AIR TOXICS LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Air Toxics Ltd. Introduces the Electronic Report

Thank you for choosing Air Toxics Ltd. To better serve our customers, we are providing your report by e-mail. This document is provided in Portable Document Format which can be viewed with Acrobat Reader by Adobe.

This electronic report includes the following:

- Work order Summary;
- Laboratory Narrative;
- Results; and
- Chain of Custody (copy).

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630

(916) 985-1000 .FAX (916) 985-1020
Hours 8:00 A.M to 6:00 P.M. Pacific
E-mail to:samplereceiving@airtoxics.com

@ AIR TOXICS LTD.
AN ENVIRONMENTAL ANALYTICAL LABORATORY

WORK ORDER #: 0309515

Work Order Summary

CLIENT:	Mr. Steve Smith BT Squared 2830 Dairy Drive Madison, WI 53718	**BILL TO:**	Mr. Steve Smith BT Squared 2830 Dairy Drive Madison, WI 53718
PHONE:	608-224-2830	**P.O. #**	
FAX:	608-224-2839	**PROJECT #**	1764 Stoughton City LF
DATE RECEIVED:	09/26/03	**CONTACT:**	DeDe Dodge
DATE COMPLETED:	10/01/03		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.
01A	Trip Blank	Modified TO-14A	29.0 "Hg
02A	GV-5	Modified TO-14A	1.0 "Hg
03A	GV-6	Modified TO-14A	6.0 "Hg
03AA	GV-6 Duplicate	Modified TO-14A	6.0 "Hg
04A	GV-7	Modified TO-14A	4.0 "Hg
05A	GV-16	Modified TO-14A	4.0 "Hg
06A	GV-17	Modified TO-14A	5.0 "Hg
07A	GV-18	Modified TO-14A	6.0 "Hg
08A	Lab Blank	Modified TO-14A	NA
08B	Lab Blank	Modified TO-14A	NA
09A	CCV	Modified TO-14A	NA
09B	CCV	Modified TO-14A	NA
10A	LCS	Modified TO-14A	NA
10B	LCS	Modified TO-14A	NA

CERTIFIED BY: Linda D. Fruman DATE: 10/08/03

Laboratory Director

Certfication numbers: AR DEQ, CA NELAP - 02110CA, LA NELAP/LELAP- AI 30763, NJ NELAP - CA004
NY NELAP - 11291, UT NELAP - 9166389892
Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,
Accreditation number: E87680, Effective date: 07/01/03, Expiration date: 06/30/04
Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards

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

LABORATORY NARRATIVE
Modified TO-14A
BT Squared
Workorder# 0309515

Seven 6 Liter Summa Canister samples were received on September 26, 2003. The laboratory performed analysis via modified EPA Method TO-14A 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.

Method modifications taken to run these samples include:

Requirement	*TO-14A*	*ATL Modifications*
Continuing Calibration criteria	</= 30% Difference	</= 30% Difference with two allowed out to </= 40% Difference; flag and narrate outliers
Initial Calibration criteria	RSD<30%	RSD</=30%, two compounds allowed up to 40%.
Moisture control	Nafion Dryer	Multisorbent trap
Blank acceptance criteria	<0.20 ppbv	<Reporting Limit
Primary ions for Quantification	Freon 114: 85, Carbon Tetrachloride: 117, Trichloroethene: 130, Ethyl Benzene, m,p- and o-Xylene: 91	Freon 114: 135, Carbon Tetrachloride: 119, Trichloroethene: 95, Ethyl Benzene, m,p- and o-Xylene: 106
Dilutions for Initial Calibration	Dynamic dilutions or static using canisters	Syringe dilutions
BFB absolute abundance criteria	Within 10% of that from previous day.	CCV internal standard area counts are compared to ICAL, corrective action for > 40% D
Sample Load Volume	400 mL	Varied to 200 mL

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

There were no analytical discrepancies.

Definition of Data Qualifying Flags

Eight 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.

UJ- Non-detected compound associated with low bias in the CCV

N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue

AIR TOXICS LTD.

SAMPLE NAME: Trip Blank

ID#: 0309515-01A

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

File Name:	b092808	Date of Collection:	9/25/03
Dil. Factor:	1.00	Date of Analysis:	9/28/03 02:31 PM

Compound	Rpt. Limit (ppbv)	Rpt. 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
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
1,2-Dibromoethane (EDB)	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
alpha-Chlorotoluene	0.50	2.6	Not Detected	Not Detected
1,2-Dichlorobenzene	0.50	3.0	Not Detected	Not Detected
1,3-Butadiene	0.50	1.1	Not Detected	Not Detected
Hexane	0.50	1.8	Not Detected	Not Detected
Cyclohexane	0.50	1.7	Not Detected	Not Detected
Heptane	0.50	2.1	Not Detected	Not Detected
Bromodichloromethane	0.50	3.4	Not Detected	Not Detected
Dibromochloromethane	0.50	4.3	Not Detected	Not Detected

AIR TOXICS LTD.

SAMPLE NAME: Trip Blank

ID#: 0309515-01A

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

File Name:	b092808	Date of Collection: 9/25/03
Dil. Factor:	1.00	Date of Analysis: 9/28/03 02:31 PM

Compound	Rpt. Limit (ppbv)	Rpt. Limit (uG/m3)	Amount (ppbv)	Amount (uG/m3)
Cumene	0.50	2.5	Not Detected	Not Detected
Propylbenzene	0.50	2.5	Not Detected	Not Detected
Chloromethane	2.0	4.2	Not Detected	Not Detected
1,2,4-Trichlorobenzene	2.0	15	Not Detected	Not Detected
Hexachlorobutadiene	2.0	22	Not Detected	Not Detected
Acetone	2.0	4.8	Not Detected	Not Detected
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
Tetrahydrofuran	2.0	6.0	Not Detected	Not Detected
1,4-Dioxane	2.0	7.3	Not Detected	Not Detected
4-Methyl-2-pentanone (Methyl Isobutyl Ketone)	2.0	8.3	Not Detected	Not Detected
2-Hexanone	2.0	8.3	Not Detected	Not Detected
Bromoform	2.0	21	Not Detected	Not Detected
4-Ethyltoluene	2.0	10	Not Detected	Not Detected
Methyl tert-butyl ether	2.0	7.3	Not Detected	Not Detected
Ethanol	2.0	3.8	Not Detected	Not Detected

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	92	70-130
Toluene-d8	93	70-130
4-Bromofluorobenzene	93	70-130

AIR TOXICS LTD.

SAMPLE NAME: GV-5

ID#: 0309515-02A

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

File Name:	b092809	Date of Collection:	9/25/03
Dil. Factor:	1.39	Date of Analysis:	9/28/03 03:45 PM

Compound	Rpt. Limit (ppbv)	Rpt. Limit (uG/m3)	Amount (ppbv)	Amount (uG/m3)
Freon 12	0.70	3.5	61	310
Freon 114	0.70	4.9	Not Detected	Not Detected
Vinyl Chloride	0.70	1.8	Not Detected	Not Detected
Bromomethane	0.70	2.7	Not Detected	Not Detected
Chloroethane	0.70	1.9	Not Detected	Not Detected
Freon 11	0.70	4.0	2.3	13
1,1-Dichloroethene	0.70	2.8	Not Detected	Not Detected
Freon 113	0.70	5.4	Not Detected	Not Detected
Methylene Chloride	0.70	2.4	Not Detected	Not Detected
1,1-Dichloroethane	0.70	2.8	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.70	2.8	Not Detected	Not Detected
Chloroform	0.70	3.4	Not Detected	Not Detected
1,1,1-Trichloroethane	0.70	3.8	Not Detected	Not Detected
Carbon Tetrachloride	0.70	4.4	Not Detected	Not Detected
Benzene	0.70	2.2	Not Detected	Not Detected
1,2-Dichloroethane	0.70	2.8	Not Detected	Not Detected
Trichloroethene	0.70	3.8	Not Detected	Not Detected
1,2-Dichloropropane	0.70	3.3	Not Detected	Not Detected
cis-1,3-Dichloropropene	0.70	3.2	Not Detected	Not Detected
Toluene	0.70	2.7	100	400
trans-1,3-Dichloropropene	0.70	3.2	Not Detected	Not Detected
1,1,2-Trichloroethane	0.70	3.8	Not Detected	Not Detected
Tetrachloroethene	0.70	4.8	0.82	5.6
1,2-Dibromoethane (EDB)	0.70	5.4	Not Detected	Not Detected
Chlorobenzene	0.70	3.2	Not Detected	Not Detected
Ethyl Benzene	0.70	3.1	0.86	3.8
m,p-Xylene	0.70	3.1	3.1	14
o-Xylene	0.70	3.1	0.71	3.2
Styrene	0.70	3.0	Not Detected	Not Detected
1,1,2,2-Tetrachloroethane	0.70	4.8	Not Detected	Not Detected
1,3,5-Trimethylbenzene	0.70	3.5	Not Detected	Not Detected
1,2,4-Trimethylbenzene	0.70	3.5	Not Detected	Not Detected
1,3-Dichlorobenzene	0.70	4.2	Not Detected	Not Detected
1,4-Dichlorobenzene	0.70	4.2	Not Detected	Not Detected
alpha-Chlorotoluene	0.70	3.6	Not Detected	Not Detected
1,2-Dichlorobenzene	0.70	4.2	Not Detected	Not Detected
1,3-Butadiene	0.70	1.6	Not Detected	Not Detected
Hexane	0.70	2.5	3.6	13
Cyclohexane	0.70	2.4	Not Detected	Not Detected
Heptane	0.70	2.9	Not Detected	Not Detected
Bromodichloromethane	0.70	4.7	Not Detected	Not Detected
Dibromochloromethane	0.70	6.0	Not Detected	Not Detected

AIR TOXICS LTD.

SAMPLE NAME: GV-5

ID#: 0309515-02A

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

File Name:	b092809	Date of Collection:	9/25/03
Dil. Factor:	1.39	Date of Analysis:	9/28/03 03:45 PM

Compound	Rpt. Limit (ppbv)	Rpt. Limit (uG/m3)	Amount (ppbv)	Amount (uG/m3)
Cumene	0.70	3.5	Not Detected	Not Detected
Propylbenzene	0.70	3.5	Not Detected	Not Detected
Chloromethane	2.8	5.8	Not Detected	Not Detected
1,2,4-Trichlorobenzene	2.8	21	Not Detected	Not Detected
Hexachlorobutadiene	2.8	30	Not Detected	Not Detected
Acetone	2.8	6.7	14	35
Carbon Disulfide	2.8	8.8	4.4	14
2-Propanol	2.8	6.9	Not Detected	Not Detected
trans-1,2-Dichloroethene	2.8	11	Not Detected	Not Detected
Vinyl Acetate	2.8	9.9	Not Detected	Not Detected
2-Butanone (Methyl Ethyl Ketone)	2.8	8.3	13	39
Tetrahydrofuran	2.8	8.3	100	300
1,4-Dioxane	2.8	10	Not Detected	Not Detected
4-Methyl-2-pentanone (Methyl Isobutyl Ketone)	2.8	12	Not Detected	Not Detected
2-Hexanone	2.8	12	Not Detected	Not Detected
Bromoform	2.8	29	Not Detected	Not Detected
4-Ethyltoluene	2.8	14	Not Detected	Not Detected
Methyl tert-butyl ether	2.8	10	Not Detected	Not Detected
Ethanol	2.8	5.3	5.0	9.5

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	94	70-130
Toluene-d8	97	70-130
4-Bromofluorobenzene	95	70-130

AIR TOXICS LTD.

SAMPLE NAME: GV-6

ID#: 0309515-03A

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

File Name:	b092813	Date of Collection:	9/25/03
Dil. Factor:	3.36	Date of Analysis:	9/28/03 06:59 PM

Compound	Rpt. Limit (ppbv)	Rpt. Limit (uG/m3)	Amount (ppbv)	Amount (uG/m3)
Freon 12	1.7	8.4	59	300
Freon 114	1.7	12	Not Detected	Not Detected
Vinyl Chloride	1.7	4.4	Not Detected	Not Detected
Bromomethane	1.7	6.6	Not Detected	Not Detected
Chloroethane	1.7	4.5	Not Detected	Not Detected
Freon 11	1.7	9.6	6.6	38
1,1-Dichloroethene	1.7	6.8	Not Detected	Not Detected
Freon 113	1.7	13	Not Detected	Not Detected
Methylene Chloride	1.7	5.9	Not Detected	Not Detected
1,1-Dichloroethane	1.7	6.9	Not Detected	Not Detected
cis-1,2-Dichloroethene	1.7	6.8	Not Detected	Not Detected
Chloroform	1.7	8.3	Not Detected	Not Detected
1,1,1-Trichloroethane	1.7	9.3	Not Detected	Not Detected
Carbon Tetrachloride	1.7	11	Not Detected	Not Detected
Benzene	1.7	5.4	Not Detected	Not Detected
1,2-Dichloroethane	1.7	6.9	Not Detected	Not Detected
Trichloroethene	1.7	9.2	Not Detected	Not Detected
1,2-Dichloropropane	1.7	7.9	Not Detected	Not Detected
cis-1,3-Dichloropropene	1.7	7.8	Not Detected	Not Detected
Toluene	1.7	6.4	120	460
trans-1,3-Dichloropropene	1.7	7.8	Not Detected	Not Detected
1,1,2-Trichloroethane	1.7	9.3	Not Detected	Not Detected
Tetrachloroethene	1.7	12	Not Detected	Not Detected
1,2-Dibromoethane (EDB)	1.7	13	Not Detected	Not Detected
Chlorobenzene	1.7	7.9	Not Detected	Not Detected
Ethyl Benzene	1.7	7.4	Not Detected	Not Detected
m,p-Xylene	1.7	7.4	4.5	20
o-Xylene	1.7	7.4	Not Detected	Not Detected
Styrene	1.7	7.3	Not Detected	Not Detected
1,1,2,2-Tetrachloroethane	1.7	12	Not Detected	Not Detected
1,3,5-Trimethylbenzene	1.7	8.4	Not Detected	Not Detected
1,2,4-Trimethylbenzene	1.7	8.4	Not Detected	Not Detected
1,3-Dichlorobenzene	1.7	10	Not Detected	Not Detected
1,4-Dichlorobenzene	1.7	10	Not Detected	Not Detected
alpha-Chlorotoluene	1.7	8.8	Not Detected	Not Detected
1,2-Dichlorobenzene	1.7	10	Not Detected	Not Detected
1,3-Butadiene	1.7	3.8	Not Detected	Not Detected
Hexane	1.7	6.0	4.3	16
Cyclohexane	1.7	5.9	Not Detected	Not Detected
Heptane	1.7	7.0	Not Detected	Not Detected
Bromodichloromethane	1.7	11	Not Detected	Not Detected
Dibromochloromethane	1.7	14	Not Detected	Not Detected

AIR TOXICS LTD.

SAMPLE NAME: GV-6

ID#: 0309515-03A

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

File Name:	b092813	Date of Collection:	9/25/03
Dil Factor:	3.36	Date of Analysis:	9/28/03 06:59 PM

Compound	Rpt. Limit (ppbv)	Rpt. Limit (uG/m3)	Amount (ppbv)	Amount (uG/m3)
Cumene	1.7	8.4	Not Detected	Not Detected
Propylbenzene	1.7	8.4	Not Detected	Not Detected
Chloromethane	6.7	14	Not Detected	Not Detected
1,2,4-Trichlorobenzene	6.7	51	Not Detected	Not Detected
Hexachlorobutadiene	6.7	73	Not Detected	Not Detected
Acetone	6.7	16	38	91
Carbon Disulfide	6.7	21	7.5	24
2-Propanol	6.7	17	Not Detected	Not Detected
trans-1,2-Dichloroethene	6.7	27	Not Detected	Not Detected
Vinyl Acetate	6.7	24	Not Detected	Not Detected
2-Butanone (Methyl Ethyl Ketone)	6.7	20	18	52
Tetrahydrofuran	6.7	20	320	970
1,4-Dioxane	6.7	25	Not Detected	Not Detected
4-Methyl-2-pentanone (Methyl Isobutyl Ketone)	6.7	28	Not Detected	Not Detected
2-Hexanone	6.7	28	Not Detected	Not Detected
Bromoform	6.7	71	Not Detected	Not Detected
4-Ethyltoluene	6.7	34	Not Detected	Not Detected
Methyl tert-butyl ether	6.7	25	Not Detected	Not Detected
Ethanol	6.7	13	Not Detected	Not Detected

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	95	70-130
Toluene-d8	93	70-130
4-Bromofluorobenzene	91	70-130

AIR TOXICS LTD.

SAMPLE NAME: GV-6 Duplicate

ID#: 0309515-03AA

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

File Name:	b092810	Date of Collection:	9/25/03
Dil. Factor:	6.72	Date of Analysis:	9/28/03 04:45 PM

Compound	Rpt. Limit (ppbv)	Rpt. Limit (uG/m3)	Amount (ppbv)	Amount (uG/m3)
Freon 12	3.4	17	64	320
Freon 114	3.4	24	Not Detected	Not Detected
Vinyl Chloride	3.4	8.7	Not Detected	Not Detected
Bromomethane	3.4	13	Not Detected	Not Detected
Chloroethane	3.4	9.0	Not Detected	Not Detected
Freon 11	3.4	19	7.1	41
1,1-Dichloroethene	3.4	14	Not Detected	Not Detected
Freon 113	3.4	26	Not Detected	Not Detected
Methylene Chloride	3.4	12	Not Detected	Not Detected
1,1-Dichloroethane	3.4	14	Not Detected	Not Detected
cis-1,2-Dichloroethene	3.4	14	Not Detected	Not Detected
Chloroform	3.4	17	Not Detected	Not Detected
1,1,1-Trichloroethane	3.4	19	Not Detected	Not Detected
Carbon Tetrachloride	3.4	21	Not Detected	Not Detected
Benzene	3.4	11	Not Detected	Not Detected
1,2-Dichloroethane	3.4	14	Not Detected	Not Detected
Trichloroethene	3.4	18	Not Detected	Not Detected
1,2-Dichloropropane	3.4	16	Not Detected	Not Detected
cis-1,3-Dichloropropene	3.4	16	Not Detected	Not Detected
Toluene	3.4	13	130	490
trans-1,3-Dichloropropene	3.4	16	Not Detected	Not Detected
1,1,2-Trichloroethane	3.4	19	Not Detected	Not Detected
Tetrachloroethene	3.4	23	Not Detected	Not Detected
1,2-Dibromoethane (EDB)	3.4	26	Not Detected	Not Detected
Chlorobenzene	3.4	16	Not Detected	Not Detected
Ethyl Benzene	3.4	15	Not Detected	Not Detected
m,p-Xylene	3.4	15	4.4	19
o-Xylene	3.4	15	Not Detected	Not Detected
Styrene	3.4	14	Not Detected	Not Detected
1,1,2,2-Tetrachloroethane	3.4	23	Not Detected	Not Detected
1,3,5-Trimethylbenzene	3.4	17	Not Detected	Not Detected
1,2,4-Trimethylbenzene	3.4	17	Not Detected	Not Detected
1,3-Dichlorobenzene	3.4	20	Not Detected	Not Detected
1,4-Dichlorobenzene	3.4	20	Not Detected	Not Detected
alpha-Chlorotoluene	3.4	18	Not Detected	Not Detected
1,2-Dichlorobenzene	3.4	20	Not Detected	Not Detected
1,3-Butadiene	3.4	7.6	Not Detected	Not Detected
Hexane	3.4	12	3.9	14
Cyclohexane	3.4	12	Not Detected	Not Detected
Heptane	3.4	14	Not Detected	Not Detected
Bromodichloromethane	3.4	23	Not Detected	Not Detected
Dibromochloromethane	3.4	29	Not Detected	Not Detected

AIR TOXICS LTD.

SAMPLE NAME: GV-6 Duplicate

ID#: 0309515-03AA

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

File Name: 09b092810	Date of Collection: 9/25/03
Dil. Factor: 6.72	Date of Analysis: 9/28/03 04:45 PM

Compound	Rpt. Limit (ppbv)	Rpt. Limit (uG/m3)	Amount (ppbv)	Amount (uG/m3)
Cumene	3.4	17	Not Detected	Not Detected
Propylbenzene	3.4	17	Not Detected	Not Detected
Chloromethane	13	28	Not Detected	Not Detected
1,2,4-Trichlorobenzene	13	100	Not Detected	Not Detected
Hexachlorobutadiene	13	140	Not Detected	Not Detected
Acetone	13	32	39	95
Carbon Disulfide	13	42	Not Detected	Not Detected
2-Propanol	13	34	Not Detected	Not Detected
trans-1,2-Dichloroethene	13	54	Not Detected	Not Detected
Vinyl Acetate	13	48	Not Detected	Not Detected
2-Butanone (Methyl Ethyl Ketone)	13	40	17	52
Tetrahydrofuran	13	40	350	1000
1,4-Dioxane	13	49	Not Detected	Not Detected
4-Methyl-2-pentanone (Methyl Isobutyl Ketone)	13	56	Not Detected	Not Detected
2-Hexanone	13	56	Not Detected	Not Detected
Bromoform	13	140	Not Detected	Not Detected
4-Ethyltoluene	13	67	Not Detected	Not Detected
Methyl tert-butyl ether	13	49	Not Detected	Not Detected
Ethanol	13	26	Not Detected	Not Detected

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	95	70-130
Toluene-d8	97	70-130
4-Bromofluorobenzene	90	70-130

AIR TOXICS LTD.

SAMPLE NAME: GV-7

ID#: 0309515-04A

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

File Name:	b092907	Date of Collection:	9/25/03
Dil. Factor:	155	Date of Analysis:	9/29/03 12:28 PM

Compound	Rpt. Limit (ppbv)	Rpt. Limit (uG/m3)	Amount (ppbv)	Amount (uG/m3)
Freon 12	78	390	22000	110000
Freon 114	78	550	Not Detected	Not Detected
Vinyl Chloride	78	200	410	1100
Bromomethane	78	300	Not Detected	Not Detected
Chloroethane	78	210	Not Detected	Not Detected
Freon 11	78	440	4200	24000
1,1-Dichloroethene	78	310	Not Detected	Not Detected
Freon 113	78	600	Not Detected	Not Detected
Methylene Chloride	78	270	Not Detected	Not Detected
1,1-Dichloroethane	78	320	Not Detected	Not Detected
cis-1,2-Dichloroethene	78	310	Not Detected	Not Detected
Chloroform	78	380	Not Detected	Not Detected
1,1,1-Trichloroethane	78	430	Not Detected	Not Detected
Carbon Tetrachloride	78	500	Not Detected	Not Detected
Benzene	78	250	Not Detected	Not Detected
1,2-Dichloroethane	78	320	Not Detected	Not Detected
Trichloroethene	78	420	Not Detected	Not Detected
1,2-Dichloropropane	78	360	Not Detected	Not Detected
cis-1,3-Dichloropropene	78	360	Not Detected	Not Detected
Toluene	78	300	140	520
trans-1,3-Dichloropropene	78	360	Not Detected	Not Detected
1,1,2-Trichloroethane	78	430	Not Detected	Not Detected
Tetrachloroethene	78	530	Not Detected	Not Detected
1,2-Dibromoethane (EDB)	78	600	Not Detected	Not Detected
Chlorobenzene	78	360	Not Detected	Not Detected
Ethyl Benzene	78	340	Not Detected	Not Detected
m,p-Xylene	78	340	Not Detected	Not Detected
o-Xylene	78	340	Not Detected	Not Detected
Styrene	78	340	Not Detected	Not Detected
1,1,2,2-Tetrachloroethane	78	540	Not Detected	Not Detected
1,3,5-Trimethylbenzene	78	390	Not Detected	Not Detected
1,2,4-Trimethylbenzene	78	390	Not Detected	Not Detected
1,3-Dichlorobenzene	78	470	Not Detected	Not Detected
1,4-Dichlorobenzene	78	470	Not Detected	Not Detected
alpha-Chlorotoluene	78	410	Not Detected	Not Detected
1,2-Dichlorobenzene	78	470	Not Detected	Not Detected
1,3-Butadiene	78	170	Not Detected	Not Detected
Hexane	78	280	350	1300
Cyclohexane	78	270	78	270
Heptane	78	320	Not Detected	Not Detected
Bromodichloromethane	78	530	Not Detected	Not Detected
Dibromochloromethane	78	670	Not Detected	Not Detected

AIR TOXICS LTD.

SAMPLE NAME: GV-7

ID#: 0309515-04A

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

File Name:	b092907	Date of Collection: 9/25/03
Dil. Factor:	155	Date of Analysis: 9/29/03 12:28 PM

Compound	Rpt. Limit (ppbv)	Rpt. Limit (uG/m3)	Amount (ppbv)	Amount (uG/m3)
Cumene	78	390	Not Detected	Not Detected
Propylbenzene	78	390	Not Detected	Not Detected
Chloromethane	310	650	Not Detected	Not Detected
1,2,4-Trichlorobenzene	310	2300	Not Detected	Not Detected
Hexachlorobutadiene	310	3400	Not Detected	Not Detected
Acetone	310	750	1100	2700
Carbon Disulfide	310	980	Not Detected	Not Detected
2-Propanol	310	770	Not Detected	Not Detected
trans-1,2-Dichloroethene	310	1200	Not Detected	Not Detected
Vinyl Acetate	310	1100	Not Detected	Not Detected
2-Butanone (Methyl Ethyl Ketone)	310	930	Not Detected	Not Detected
Tetrahydrofuran	310	930	360	1100
1,4-Dioxane	310	1100	Not Detected	Not Detected
4-Methyl-2-pentanone (Methyl Isobutyl Ketone)	310	1300	Not Detected	Not Detected
2-Hexanone	310	1300	Not Detected	Not Detected
Bromoform	310	3200	Not Detected	Not Detected
4-Ethyltoluene	310	1500	Not Detected	Not Detected
Methyl tert-butyl ether	310	1100	Not Detected	Not Detected
Ethanol	310	590	Not Detected	Not Detected

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	92	70-130
Toluene-d8	94	70-130
4-Bromofluorobenzene	96	70-130

AIR TOXICS LTD.

SAMPLE NAME: GV-16

ID#: 0309515-05A

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

File Name: 1b092909 Date of Collection: 9/25/03

Dil. Factor: 15.5 Date of Analysis: 9/29/03 01:52 PM

Compound	Rpt. Limit (ppbv)	Rpt. Limit (uG/m3)	Amount (ppbv)	Amount (uG/m3)
Freon 12	7.8	39	260	1300
Freon 114	7.8	55	9.3	66
Vinyl Chloride	7.8	20	8.6	22
Bromomethane	7.8	30	Not Detected	Not Detected
Chloroethane	7.8	21	Not Detected	Not Detected
Freon 11	7.8	44	180	1000
1,1-Dichloroethene	7.8	31	Not Detected	Not Detected
Freon 113	7.8	60	Not Detected	Not Detected
Methylene Chloride	7.8	27	Not Detected	Not Detected
1,1-Dichloroethane	7.8	32	Not Detected	Not Detected
cis-1,2-Dichloroethene	7.8	31	Not Detected	Not Detected
Chloroform	7.8	38	Not Detected	Not Detected
1,1,1-Trichloroethane	7.8	43	Not Detected	Not Detected
Carbon Tetrachloride	7.8	50	Not Detected	Not Detected
Benzene	7.8	25	Not Detected	Not Detected
1,2-Dichloroethane	7.8	32	Not Detected	Not Detected
Trichloroethene	7.8	42	Not Detected	Not Detected
1,2-Dichloropropane	7.8	36	Not Detected	Not Detected
cis-1,3-Dichloropropene	7.8	36	Not Detected	Not Detected
Toluene	7.8	30	99	380
trans-1,3-Dichloropropene	7.8	36	Not Detected	Not Detected
1,1,2-Trichloroethane	7.8	43	Not Detected	Not Detected
Tetrachloroethene	7.8	53	Not Detected	Not Detected
1,2-Dibromoethane (EDB)	7.8	60	Not Detected	Not Detected
Chlorobenzene	7.8	36	Not Detected	Not Detected
Ethyl Benzene	7.8	34	Not Detected	Not Detected
m,p-Xylene	7.8	34	Not Detected	Not Detected
o-Xylene	7.8	34	Not Detected	Not Detected
Styrene	7.8	34	Not Detected	Not Detected
1,1,2,2-Tetrachloroethane	7.8	54	Not Detected	Not Detected
1,3,5-Trimethylbenzene	7.8	39	Not Detected	Not Detected
1,2,4-Trimethylbenzene	7.8	39	Not Detected	Not Detected
1,3-Dichlorobenzene	7.8	47	Not Detected	Not Detected
1,4-Dichlorobenzene	7.8	47	Not Detected	Not Detected
alpha-Chlorotoluene	7.8	41	Not Detected	Not Detected
1,2-Dichlorobenzene	7.8	47	Not Detected	Not Detected
1,3-Butadiene	7.8	17	Not Detected	Not Detected
Hexane	7.8	28	140	490
Cyclohexane	7.8	27	26	90
Heptane	7.8	32	27	110
Bromodichloromethane	7.8	53	Not Detected	Not Detected
Dibromochloromethane	7.8	67	Not Detected	Not Detected

AIR TOXICS LTD.

SAMPLE NAME: GV-16

ID#: 0309515-05A

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

File Name:	b092909	Date of Collection:	9/25/03
Dil Factor:	15.5	Date of Analysis:	9/29/03 01:52 PM

Compound	Rpt. Limit (ppbv)	Rpt. Limit (uG/m3)	Amount (ppbv)	Amount (uG/m3)
Cumene	7.8	39	Not Detected	Not Detected
Propylbenzene	7.8	39	Not Detected	Not Detected
Chloromethane	31	65	Not Detected	Not Detected
1,2,4-Trichlorobenzene	31	230	Not Detected	Not Detected
Hexachlorobutadiene	31	340	Not Detected	Not Detected
Acetone	31	75	2300	5600
Carbon Disulfide	31	98	Not Detected	Not Detected
2-Propanol	31	77	Not Detected	Not Detected
trans-1,2-Dichloroethene	31	120	Not Detected	Not Detected
Vinyl Acetate	31	110	Not Detected	Not Detected
2-Butanone (Methyl Ethyl Ketone)	31	93	33	100
Tetrahydrofuran	31	93	160	470
1,4-Dioxane	31	110	Not Detected	Not Detected
4-Methyl-2-pentanone (Methyl Isobutyl Ketone)	31	130	Not Detected	Not Detected
2-Hexanone	31	130	Not Detected	Not Detected
Bromoform	31	320	Not Detected	Not Detected
4-Ethyltoluene	31	150	Not Detected	Not Detected
Methyl tert-butyl ether	31	110	Not Detected	Not Detected
Ethanol	31	59	Not Detected	Not Detected

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	94	70-130
Toluene-d8	95	70-130
4-Bromofluorobenzene	97	70-130

AIR TOXICS LTD.

SAMPLE NAME: GV-17

ID#: 0309515-06A

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

File Name:	sb092910	Date of Collection:	9/25/03
Dil Factor:	1.61	Date of Analysis:	9/29/03 02:31 PM

Compound	Rpt. Limit (ppbv)	Rpt. Limit (uG/m3)	Amount (ppbv)	Amount (uG/m3)
Freon 12	0.80	4.0	66	330
Freon 114	0.80	5.7	1.0	7.4
Vinyl Chloride	0.80	2.1	Not Detected	Not Detected
Bromomethane	0.80	3.2	Not Detected	Not Detected
Chloroethane	0.80	2.2	Not Detected	Not Detected
Freon 11	0.80	4.6	49	280
1,1-Dichloroethene	0.80	3.2	Not Detected	Not Detected
Freon 113	0.80	6.3	Not Detected	Not Detected
Methylene Chloride	0.80	2.8	Not Detected	Not Detected
1,1-Dichloroethane	0.80	3.3	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.80	3.2	Not Detected	Not Detected
Chloroform	0.80	4.0	Not Detected	Not Detected
1,1,1-Trichloroethane	0.80	4.5	Not Detected	Not Detected
Carbon Tetrachloride	0.80	5.1	Not Detected	Not Detected
Benzene	0.80	2.6	Not Detected	Not Detected
1,2-Dichloroethane	0.80	3.3	Not Detected	Not Detected
Trichloroethene	0.80	4.4	Not Detected	Not Detected
1,2-Dichloropropane	0.80	3.8	Not Detected	Not Detected
cis-1,3-Dichloropropene	0.80	3.7	Not Detected	Not Detected
Toluene	0.80	3.1	65	250
trans-1,3-Dichloropropene	0.80	3.7	Not Detected	Not Detected
1,1,2-Trichloroethane	0.80	4.5	Not Detected	Not Detected
Tetrachloroethene	0.80	5.6	Not Detected	Not Detected
1,2-Dibromoethane (EDB)	0.80	6.3	Not Detected	Not Detected
Chlorobenzene	0.80	3.8	Not Detected	Not Detected
Ethyl Benzene	0.80	3.6	Not Detected	Not Detected
m,p-Xylene	0.80	3.6	2.4	10
o-Xylene	0.80	3.6	Not Detected	Not Detected
Styrene	0.80	3.5	Not Detected	Not Detected
1,1,2,2-Tetrachloroethane	0.80	5.6	Not Detected	Not Detected
1,3,5-Trimethylbenzene	0.80	4.0	Not Detected	Not Detected
1,2,4-Trimethylbenzene	0.80	4.0	0.85	4.2
1,3-Dichlorobenzene	0.80	4.9	Not Detected	Not Detected
1,4-Dichlorobenzene	0.80	4.9	Not Detected	Not Detected
alpha-Chlorotoluene	0.80	4.2	Not Detected	Not Detected
1,2-Dichlorobenzene	0.80	4.9	Not Detected	Not Detected
1,3-Butadiene	0.80	1.8	Not Detected	Not Detected
Hexane	0.80	2.9	34	120
Cyclohexane	0.80	2.8	9.5	33
Heptane	0.80	3.4	13	53
Bromodichloromethane	0.80	5.5	Not Detected	Not Detected
Dibromochloromethane	0.80	7.0	Not Detected	Not Detected

AIR TOXICS LTD.

SAMPLE NAME: GV-17

ID#: 0309515-06A

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

File Name:	b092910	Date of Collection:	9/25/03
Dil. Factor:	1.61	Date of Analysis:	9/29/03 02:31 PM

Compound	Rpt. Limit (ppbv)	Rpt. Limit (uG/m3)	Amount (ppbv)	Amount (uG/m3)
Cumene	0.80	4.0	Not Detected	Not Detected
Propylbenzene	0.80	4.0	Not Detected	Not Detected
Chloromethane	3.2	6.8	Not Detected	Not Detected
1,2,4-Trichlorobenzene	3.2	24	Not Detected	Not Detected
Hexachlorobutadiene	3.2	35	Not Detected	Not Detected
Acetone	3.2	7.8	340 E	830 E
Carbon Disulfide	3.2	10	Not Detected	Not Detected
2-Propanol	3.2	8.0	Not Detected	Not Detected
trans-1,2-Dichloroethene	3.2	13	Not Detected	Not Detected
Vinyl Acetate	3.2	12	Not Detected	Not Detected
2-Butanone (Methyl Ethyl Ketone)	3.2	9.6	22	65
Tetrahydrofuran	3.2	9.6	120	370
1,4-Dioxane	3.2	12	Not Detected	Not Detected
4-Methyl-2-pentanone (Methyl Isobutyl Ketone)	3.2	13	Not Detected	Not Detected
2-Hexanone	3.2	13	Not Detected	Not Detected
Bromoform	3.2	34	Not Detected	Not Detected
4-Ethyltoluene	3.2	16	Not Detected	Not Detected
Methyl tert-butyl ether	3.2	12	Not Detected	Not Detected
Ethanol	3.2	6.2	6.8	13

E = Exceeds instrument calibration range.

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	97	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	96	70-130

AIR TOXICS LTD.

SAMPLE NAME: GV-18

ID#: 0309515-07A

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

File Name:	b09291.t	Date of Collection:	9/25/03
Dil. Factor:	1.68	Date of Analysis:	9/29/03 03:02 PM

Compound	Rpt. Limit (ppbv)	Rpt. Limit (uG/m3)	Amount (ppbv)	Amount (uG/m3)
Freon 12	0.84	4.2	46	230
Freon 114	0.84	6.0	3.0	22
Vinyl Chloride	0.84	2.2	Not Detected	Not Detected
Bromomethane	0.84	3.3	Not Detected	Not Detected
Chloroethane	0.84	2.2	Not Detected	Not Detected
Freon 11	0.84	4.8	24	140
1,1-Dichloroethene	0.84	3.4	Not Detected	Not Detected
Freon 113	0.84	6.5	Not Detected	Not Detected
Methylene Chloride	0.84	3.0	Not Detected	Not Detected
1,1-Dichloroethane	0.84	3.4	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.84	3.4	Not Detected	Not Detected
Chloroform	0.84	4.2	Not Detected	Not Detected
1,1,1-Trichloroethane	0.84	4.6	Not Detected	Not Detected
Carbon Tetrachloride	0.84	5.4	Not Detected	Not Detected
Benzene	0.84	2.7	Not Detected	Not Detected
1,2-Dichloroethane	0.84	3.4	Not Detected	Not Detected
Trichloroethene	0.84	4.6	Not Detected	Not Detected
1,2-Dichloropropane	0.84	3.9	Not Detected	Not Detected
cis-1,3-Dichloropropene	0.84	3.9	Not Detected	Not Detected
Toluene	0.84	3.2	36	140
trans-1,3-Dichloropropene	0.84	3.9	Not Detected	Not Detected
1,1,2-Trichloroethane	0.84	4.6	Not Detected	Not Detected
Tetrachloroethene	0.84	5.8	Not Detected	Not Detected
1,2-Dibromoethane (EDB)	0.84	6.6	Not Detected	Not Detected
Chlorobenzene	0.84	3.9	Not Detected	Not Detected
Ethyl Benzene	0.84	3.7	Not Detected	Not Detected
m,p-Xylene	0.84	3.7	1.6	7.1
o-Xylene	0.84	3.7	Not Detected	Not Detected
Styrene	0.84	3.6	Not Detected	Not Detected
1,1,2,2-Tetrachloroethane	0.84	5.9	Not Detected	Not Detected
1,3,5-Trimethylbenzene	0.84	4.2	Not Detected	Not Detected
1,2,4-Trimethylbenzene	0.84	4.2	Not Detected	Not Detected
1,3-Dichlorobenzene	0.84	5.1	Not Detected	Not Detected
1,4-Dichlorobenzene	0.84	5.1	Not Detected	Not Detected
alpha-Chlorotoluene	0.84	4.4	Not Detected	Not Detected
1,2-Dichlorobenzene	0.84	5.1	Not Detected	Not Detected
1,3-Butadiene	0.84	1.9	Not Detected	Not Detected
Hexane	0.84	3.0	16	58
Cyclohexane	0.84	2.9	6.0	21
Heptane	0.84	3.5	6.0	25
Bromodichloromethane	0.84	5.7	Not Detected	Not Detected
Dibromochloromethane	0.84	7.3	Not Detected	Not Detected

AIR TOXICS LTD.

SAMPLE NAME: GV-18

ID#: 0309515-07A

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

File Name: b092911 Date of Collection: 9/25/03

Dil Factor: 1.68 Date of Analysis: 9/29/03 03:02 PM

Compound	Rpt. Limit (ppbv)	Rpt. Limit (uG/m3)	Amount (ppbv)	Amount (uG/m3)
Cumene	0.84	4.2	Not Detected	Not Detected
Propylbenzene	0.84	4.2	Not Detected	Not Detected
Chloromethane	3.4	7.0	Not Detected	Not Detected
1,2,4-Trichlorobenzene	3.4	25	Not Detected	Not Detected
Hexachlorobutadiene	3.4	36	Not Detected	Not Detected
Acetone	3.4	8.1	150	370
Carbon Disulfide	3.4	11	Not Detected	Not Detected
2-Propanol	3.4	8.4	5.4	13
trans-1,2-Dichloroethene	3.4	14	Not Detected	Not Detected
Vinyl Acetate	3.4	12	Not Detected	Not Detected
2-Butanone (Methyl Ethyl Ketone)	3.4	10	28	83
Tetrahydrofuran	3.4	10	160	470
1,4-Dioxane	3.4	12	Not Detected	Not Detected
4-Methyl-2-pentanone (Methyl Isobutyl Ketone)	3.4	14	Not Detected	Not Detected
2-Hexanone	3.4	14	Not Detected	Not Detected
Bromoform	3.4	35	Not Detected	Not Detected
4-Ethyltoluene	3.4	17	Not Detected	Not Detected
Methyl tert-butyl ether	3.4	12	Not Detected	Not Detected
Ethanol	3.4	6.4	6.7	13

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	95	70-130
Toluene-d8	95	70-130
4-Bromofluorobenzene	96	70-130

AIR TOXICS LTD.

SAMPLE NAME: Lab Blank

ID#: 0309515-08A

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

File Name: b092804 Date of Collection: NA

Dil. Factor: 1.00 Date of Analysis: 9/28/03 11:19 AM

Compound	Rpt. Limit (ppbv)	Rpt. 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
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
1,2-Dibromoethane (EDB)	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
alpha-Chlorotoluene	0.50	2.6	Not Detected	Not Detected
1,2-Dichlorobenzene	0.50	3.0	Not Detected	Not Detected
1,3-Butadiene	0.50	1.1	Not Detected	Not Detected
Hexane	0.50	1.8	Not Detected	Not Detected
Cyclohexane	0.50	1.7	Not Detected	Not Detected
Heptane	0.50	2.1	Not Detected	Not Detected
Bromodichloromethane	0.50	3.4	Not Detected	Not Detected
Dibromochloromethane	0.50	4.3	Not Detected	Not Detected

AIR TOXICS LTD.

SAMPLE NAME: Lab Blank

ID#: 0309515-08A

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

File Name:	b092804	Date of Collection:	NA
Dil. Factor:	1.005	Date of Analysis:	9/28/03 11:19 AM

Compound	Rpt. Limit (ppbv)	Rpt. Limit (uG/m3)	Amount (ppbv)	Amount (uG/m3)
Cumene	0.50	2.5	Not Detected	Not Detected
Propylbenzene	0.50	2.5	Not Detected	Not Detected
Chloromethane	2.0	4.2	Not Detected	Not Detected
1,2,4-Trichlorobenzene	2.0	15	Not Detected	Not Detected
Hexachlorobutadiene	2.0	22	Not Detected	Not Detected
Acetone	2.0	4.8	Not Detected	Not Detected
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
Tetrahydrofuran	2.0	6.0	Not Detected	Not Detected
1,4-Dioxane	2.0	7.3	Not Detected	Not Detected
4-Methyl-2-pentanone (Methyl Isobutyl Ketone)	2.0	8.3	Not Detected	Not Detected
2-Hexanone	2.0	8.3	Not Detected	Not Detected
Bromoform	2.0	21	Not Detected	Not Detected
4-Ethyltoluene	2.0	10	Not Detected	Not Detected
Methyl tert-butyl ether	2.0	7.3	Not Detected	Not Detected
Ethanol	2.0	3.8	Not Detected	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	90	70-130
Toluene-d8	92	70-130
4-Bromofluorobenzene	90	70-130

AIR TOXICS LTD.

SAMPLE NAME: Lab Blank

ID#: 0309515-08B

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

File Name:	b092906a	Date of Collection:	NA
Dil. Factor:	1.00	Date of Analysis:	9/29/03 11:49 AM

Compound	Rpt. Limit (ppbv)	Rpt. 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
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
1,2-Dibromoethane (EDB)	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
alpha-Chlorotoluene	0.50	2.6	Not Detected	Not Detected
1,2-Dichlorobenzene	0.50	3.0	Not Detected	Not Detected
1,3-Butadiene	0.50	1.1	Not Detected	Not Detected
Hexane	0.50	1.8	Not Detected	Not Detected
Cyclohexane	0.50	1.7	Not Detected	Not Detected
Heptane	0.50	2.1	Not Detected	Not Detected
Bromodichloromethane	0.50	3.4	Not Detected	Not Detected
Dibromochloromethane	0.50	4.3	Not Detected	Not Detected

AIR TOXICS LTD.

SAMPLE NAME: Lab Blank

ID#: 0309515-08B

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

File Name: b092906a Date of Collection: NA
Dil. Factor: 1.00 Date of Analysis: 9/29/03 11:49 AM

Compound	Rpt. Limit (ppbv)	Rpt. Limit (uG/m3)	Amount (ppbv)	Amount (uG/m3)
Cumene	0.50	2.5	Not Detected	Not Detected
Propylbenzene	0.50	2.5	Not Detected	Not Detected
Chloromethane	2.0	4.2	Not Detected	Not Detected
1,2,4-Trichlorobenzene	2.0	15	Not Detected	Not Detected
Hexachlorobutadiene	2.0	22	Not Detected	Not Detected
Acetone	2.0	4.8	Not Detected	Not Detected
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
Tetrahydrofuran	2.0	6.0	Not Detected	Not Detected
1,4-Dioxane	2.0	7.3	Not Detected	Not Detected
4-Methyl-2-pentanone (Methyl Isobutyl Ketone)	2.0	8.3	Not Detected	Not Detected
2-Hexanone	2.0	8.3	Not Detected	Not Detected
Bromoform	2.0	21	Not Detected	Not Detected
4-Ethyltoluene	2.0	10	Not Detected	Not Detected
Methyl tert-butyl ether	2.0	7.3	Not Detected	Not Detected
Ethanol	2.0	3.8	Not Detected	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	92	70-130
Toluene-d8	95	70-130
4-Bromofluorobenzene	91	70-130

AIR TOXICS LTD.

SAMPLE NAME: CCV

ID#: 0309515-09A

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

File Name:	b092802	Date of Collection: NA	
Dil. Factor:	1.00	Date of Analysis: 9/28/03 09:52 AM	

Compound	%Recovery
Freon 12	101
Freon 114	92
Vinyl Chloride	95
Bromomethane	126
Chloroethane	87
Freon 11	99
1,1-Dichloroethene	98
Freon 113	105
Methylene Chloride	94
1,1-Dichloroethane	98
cis-1,2-Dichloroethene	100
Chloroform	103
1,1,1-Trichloroethane	106
Carbon Tetrachloride	107
Benzene	92
1,2-Dichloroethane	98
Trichloroethene	102
1,2-Dichloropropane	96
cis-1,3-Dichloropropene	105
Toluene	106
trans-1,3-Dichloropropene	91
1,1,2-Trichloroethane	96
Tetrachloroethene	101
1,2-Dibromoethane (EDB)	99
Chlorobenzene	99
Ethyl Benzene	96
m,p-Xylene	99
o-Xylene	96
Styrene	93
1,1,2,2-Tetrachloroethane	89
1,3,5-Trimethylbenzene	87
1,2,4-Trimethylbenzene	86
1,3-Dichlorobenzene	81
1,4-Dichlorobenzene	78
alpha-Chlorotoluene	80
1,2-Dichlorobenzene	81
1,3-Butadiene	84
Hexane	95
Cyclohexane	102
Heptane	93
Bromodichloromethane	103
Dibromochloromethane	106

AIR TOXICS LTD.

SAMPLE NAME: CCV

ID#: 0309515-09A

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

File Name:	b092802	Date of Collection: NA	
Dil. Factor:	1.00	Date of Analysis: 9/28/03 09:52 AM	

Compound	%Recovery
Cumene	90
Propylbenzene	86
Chloromethane	93
1,2,4-Trichlorobenzene	78
Hexachlorobutadiene	82
Acetone	85
Carbon Disulfide	90
2-Propanol	87
trans-1,2-Dichloroethene	93
Vinyl Acetate	92
2-Butanone (Methyl Ethyl Ketone)	91
Tetrahydrofuran	83
1,4-Dioxane	99
4-Methyl-2-pentanone (Methyl Isobutyl Ketone)	93
2-Hexanone	86
Bromoform	93
4-Ethyltoluene	88
Methyl tert-butyl ether	94
Ethanol	85

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	104	70-130
Toluene-d8	106	70-130
4-Bromofluorobenzene	88	70-130

AIR TOXICS LTD.

SAMPLE NAME: CCV

ID#: 0309515-09B

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

File Name:	b092902	Date of Collection:	NA
Dil. Factor:	1.00	Date of Analysis:	9/29/03 09:04 AM

Compound	%Recovery
Freon 12	99
Freon 114	91
Vinyl Chloride	92
Bromomethane	120
Chloroethane	85
Freon 11	96
1,1-Dichloroethene	96
Freon 113	103
Methylene Chloride	92
1,1-Dichloroethane	96
cis-1,2-Dichloroethene	98
Chloroform	101
1,1,1-Trichloroethane	102
Carbon Tetrachloride	103
Benzene	96
1,2-Dichloroethane	98
Trichloroethene	104
1,2-Dichloropropane	100
cis-1,3-Dichloropropene	108
Toluene	110
trans-1,3-Dichloropropene	95
1,1,2-Trichloroethane	103
Tetrachloroethene	108
1,2-Dibromoethane (EDB)	106
Chlorobenzene	104
Ethyl Benzene	103
m,p-Xylene	107
o-Xylene	104
Styrene	103
1,1,2,2-Tetrachloroethane	96
1,3,5-Trimethylbenzene	93
1,2,4-Trimethylbenzene	93
1,3-Dichlorobenzene	87
1,4-Dichlorobenzene	85
alpha-Chlorotoluene	87
1,2-Dichlorobenzene	88
1,3-Butadiene	85
Hexane	94
Cyclohexane	100
Heptane	95
Bromodichloromethane	107
Dibromochloromethane	112

AIR TOXICS LTD.

SAMPLE NAME: CCV

ID#: 0309515-09B

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

File Name: b092902 Date of Collection: NA
Dil. Factor: 1.00 Date of Analysis: 9/29/03 09:04 AM

Compound	%Recovery
Cumene	96
Propylbenzene	92
Chloromethane	101
1,2,4-Trichlorobenzene	86
Hexachlorobutadiene	90
Acetone	83
Carbon Disulfide	90
2-Propanol	86
trans-1,2-Dichloroethene	94
Vinyl Acetate	89
2-Butanone (Methyl Ethyl Ketone)	88
Tetrahydrofuran	82
1,4-Dioxane	102
4-Methyl-2-pentanone (Methyl Isobutyl Ketone)	97
2-Hexanone	93
Bromoform	100
4-Ethyltoluene	94
Methyl tert-butyl ether	93
Ethanol	88

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	100	70-130
Toluene-d8	107	70-130
4-Bromofluorobenzene	89	70-130

AIR TOXICS LTD.

SAMPLE NAME: LCS

ID#: 0309515-10A

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

File Name:	b092803	Date of Collection: NA	
Dil. Factor:	1.00	Date of Analysis: 9/28/03 10:31 AM	

Compound	%Recovery
Freon 12	106
Freon 114	103
Vinyl Chloride	99
Bromomethane	144 Q
Chloroethane	96
Freon 11	95
1,1-Dichloroethene	93
Freon 113	101
Methylene Chloride	92
1,1-Dichloroethane	86
cis-1,2-Dichloroethene	98
Chloroform	98
1,1,1-Trichloroethane	96
Carbon Tetrachloride	103
Benzene	101
1,2-Dichloroethane	97
Trichloroethene	108
1,2-Dichloropropane	97
cis-1,3-Dichloropropene	102
Toluene	106
trans-1,3-Dichloropropene	98
1,1,2-Trichloroethane	104
Tetrachloroethene	116
1,2-Dibromoethane (EDB)	97
Chlorobenzene	104
Ethyl Benzene	101
m,p-Xylene	101
o-Xylene	95
Styrene	106
1,1,2,2-Tetrachloroethane	91
1,3,5-Trimethylbenzene	81
1,2,4-Trimethylbenzene	78
1,3-Dichlorobenzene	87
1,4-Dichlorobenzene	77
alpha-Chlorotoluene	100
1,2-Dichlorobenzene	85
1,3-Butadiene	102
Hexane	94
Cyclohexane	98
Heptane	89
Bromodichloromethane	94
Dibromochloromethane	105

AIR TOXICS LTD.

SAMPLE NAME: LCS

ID#: 0309515-10A

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

File Name:	b092803	Date of Collection:	NA
Dil. Factor:	1.00	Date of Analysis:	9/28/03 10:31 AM

Compound	%Recovery
Cumene	100
Propylbenzene	68
Chloromethane	95
1,2,4-Trichlorobenzene	83
Hexachlorobutadiene	85
Acetone	82
Carbon Disulfide	92
2-Propanol	88
trans-1,2-Dichloroethene	99
Vinyl Acetate	87
2-Butanone (Methyl Ethyl Ketone)	87
Tetrahydrofuran	83
1,4-Dioxane	100
4-Methyl-2-pentanone (Methyl Isobutyl Ketone)	87
2-Hexanone	85
Bromoform	80
4-Ethyltoluene	76
Methyl tert-butyl ether	92
Ethanol	86

Q = Exceeds Quality Control limits.

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	91	70-130
Toluene-d8	102	70-130
4-Bromofluorobenzene	92	70-130

AIR TOXICS LTD.

SAMPLE NAME: LCS

ID#: 0309515-10B

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

File Name:	3b092903	Date of Collection:	NA
Dil Factor:	1.00	Date of Analysis:	9/29/03 09:39 AM

Compound	%Recovery
Freon 12	103
Freon 114	101
Vinyl Chloride	100
Bromomethane	136 Q
Chloroethane	94
Freon 11	93
1,1-Dichloroethene	91
Freon 113	99
Methylene Chloride	91
1,1-Dichloroethane	83
cis-1,2-Dichloroethene	96
Chloroform	95
1,1,1-Trichloroethane	93
Carbon Tetrachloride	99
Benzene	101
1,2-Dichloroethane	96
Trichloroethene	108
1,2-Dichloropropane	97
cis-1,3-Dichloropropene	102
Toluene	106
trans-1,3-Dichloropropene	100
1,1,2-Trichloroethane	110
Tetrachloroethene	119
1,2-Dibromoethane (EDB)	99
Chlorobenzene	108
Ethyl Benzene	106
m,p-Xylene	105
o-Xylene	97
Styrene	109
1,1,2,2-Tetrachloroethane	93
1,3,5-Trimethylbenzene	83
1,2,4-Trimethylbenzene	80
1,3-Dichlorobenzene	87
1,4-Dichlorobenzene	80
alpha-Chlorotoluene	104
1,2-Dichlorobenzene	88
1,3-Butadiene	99
Hexane	91
Cyclohexane	96
Heptane	89
Bromodichloromethane	94
Dibromochloromethane	107

AIR TOXICS LTD.

SAMPLE NAME: LCS

ID#: 0309515-10B

MODIFIED EPA METHOD TO-14A GC/MS FULL SCAN

File Name:	b092903	Date of Collection:	NA
Dil. Factor:	1.00	Date of Analysis:	9/29/03 09:39 AM

Compound	%Recovery
Cumene	103
Propylbenzene	72
Chloromethane	100
1,2,4-Trichlorobenzene	85
Hexachlorobutadiene	85
Acetone	81
Carbon Disulfide	92
2-Propanol	86
trans-1,2-Dichloroethene	97
Vinyl Acetate	85
2-Butanone (Methyl Ethyl Ketone)	85
Tetrahydrofuran	80
1,4-Dioxane	100
4-Methyl-2-pentanone (Methyl Isobutyl Ketone)	88
2-Hexanone	88
Bromoform	85
4-Ethyltoluene	78
Methyl tert-butyl ether	90
Ethanol	86

Q = Exceeds Quality Control limits.

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	89	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	95	70-130