

4.3 Volatile Organic Compounds (VOCs)

4.3.1 Method: The Xontech™ 911/912 systems were assembled and operated to collect a 24-hour sample in a 6L stainless steel canister. The samplers collected whole air samples for subsequent laboratory analysis for VOCs via gas chromatography / mass spectrometry (GC/MS). The analysis was performed following Method TO-14A of EPA's Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air.⁽¹³⁾ The lower quantitation limit (LQL) for the instrumentation at the TPB lab is 0.1 ppb. Values below the LQL is referred to as BRL (below reportable limit) in the data tables.

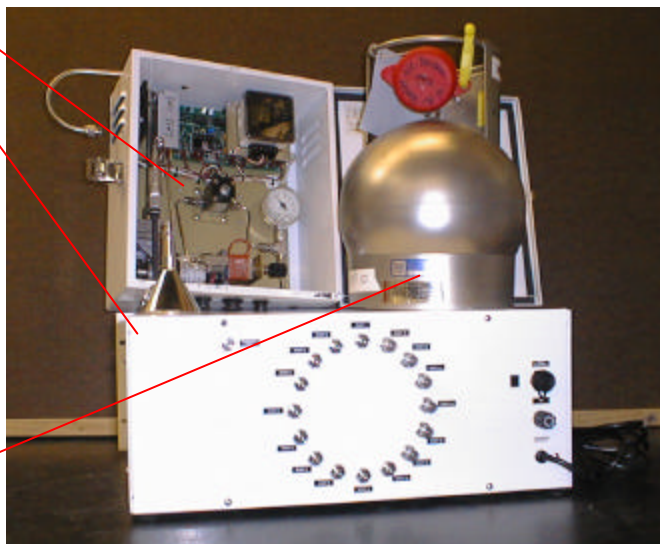
4.3.2 Time Frame: Sampling occurred over a continuous 35-day period at three sites. Due to space restrictions in the sampler housing, 7 canisters were used during each sampling period at each site. This meant that there were multiple sampling periods to cover the period of April 13 to May 19, 1999. Each canister collected air samples over a 24-hour period that began and ended at approximately 18:00 hrs EDT. The total number of samples to be collected was 108. There were 9 samples that were not collected due equipment failures. Therefore the number of samples analyzed was 99.

4.3.3 Agency / Team Size: This team consisted of personnel from the NC DAQ who were responsible for initial set up, operation, data collection, sample analysis, and reporting.

4.3.4 Field Equipment / Supplies:

Xontech™ 911 regulated air flow pump
Xontech™ 912 multi-port sampling device
Plastic building
Supply lines and fittings, ¼" stainless steel
Flowmeter

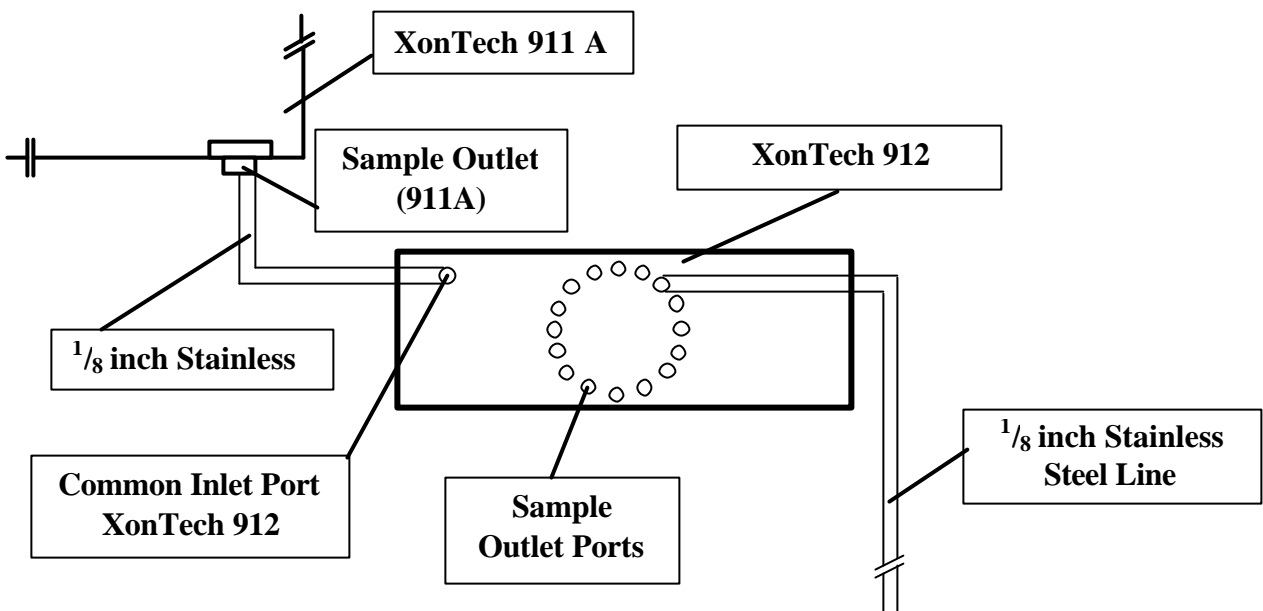
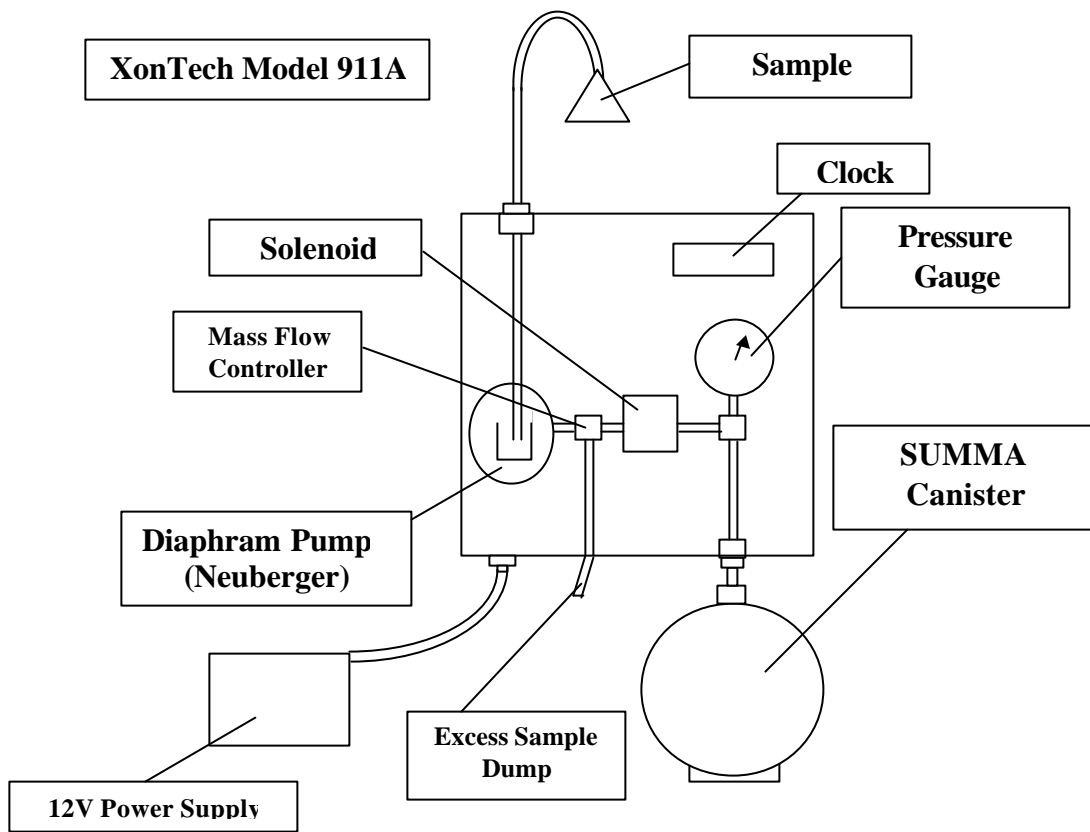
Stainless steel canisters, 6L, SUMMA™



4.3.5 Sampling Procedure: Each VOC sampling site consisted of a plastic storage building that housed 7 SUMMA™ canisters, a Xontech™911 and Xontech™912 automated sampling system. Canisters, 911/912 combinations, and lines were certified as clean before field deployment following standard procedures in the TPB lab for cleanliness certification.

Each sampling train was set up as follows (See Schematic 4.3.1). A "candy cane" sampling funnel was mounted outside the storage building at approximately 6' above the ground or within what is generally considered the "breathing zone". A stainless steel line extended from the sampling funnel to the 911. The 911 was then connected to the multi-

Schematic 4.3.1 - Diagram of XonTech 911A and 912 system configurations



port 912 by a single stainless steel line. The 912 was subsequently connected to the 7 individual canisters. The 911 ran continuously to pump air into a single canister through the 912. The pump was run at a flow rate of 9 mL/min to give a final canister pressure of approximately 22 psi. The 912 was programmed to sample for 24 hours and then switch to the next sample canister. At the end of the 7 days a new set of canisters was placed in the system and collection was continued.

4.3.6 Sample Analysis and Data Reduction: After collection of the sample canisters, they were returned to the NC DAQ, TPB lab for analysis by GC/MS using Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air Compendium Method TO-14 as a guide. TO-14 is an accepted methodology for the identification of up to 41 volatile organic compounds. ATAST (the Air Toxics Analytical Support Team) routinely analyzes for 33 of those compounds based on several criteria such as the stability of the compounds in the standard mixes, the instrument sensitivity and performance criteria, and instrument capabilities at the time of analysis. The compounds of specific interest were benzene, toluene, ethylbenzene, and xylenes (BTEX) but were not limited to these.

To carry out these analyses the following instrumentation was used as described. A Nutech 3550A Cryogenic Concentrator was used to concentrate the sample for analysis. A mass flow controller was used to measure a 100 ml aliquot of sample with a 5 ml sampling loop without water management. The concentrated samples were cryofocussed before injection into the gas chromatograph with a Nutech Model 354A cryofocussing accessory. Gas chromatography was performed using a Varian gas chromatograph with a Finnigan Magnum Ion Trap Detector and Gateway 2000 486/33V computer with Finnigan data processing software. Calibration standards, analytical quality control standards, and analytical replicates were analyzed daily. A blank 4-bromofluorobenzene (BFB) standard was analyzed daily to ensure proper instrument tune and system cleanliness before samples or standards were analyzed. Analytical equipment required for the TO-14 analysis is summarized in Table 4.3.1.

Table 4.3.1. Required Analytical Equipment for TO-14 Analysis

TO-14 Requirement	DENR Toxics Laboratory
Preconcentrator	Nutech 3550A Variable Sample Loop; 100ml per sample
Water Management	Nafion Dryer
Gas Chromatograph	Varian 3400 with 60 meter DB-1 column
Mass Spectrometer	Finnigan Magnum Ion Trap

Quantitation was based on a five-point calibration curve (0.1, 0.2, 0.5, 1.0, & 5.0 ppbv). Correlation coefficients for the curve used in this analysis are >0.98 therefore passing established quality assurance for the method of analysis. A list of the 33 routinely analyzed compounds from the TO-14 compounds list and their calibration status at the time of analysis is given in Tables 4.3.2a,b,c. Since the samples were taken over an extended period and the DAQ Toxics Lab has a time limit on how long samples can be stored before analysis, there were three calibrations performed for specific sets of canisters to ensure that the samples were not “out of holding time” parameters. (NC TAP stands for North Carolina Toxic Air Pollutant.) Calibration status term "PASS" refers to

the calibration curve parameters being met by the instrument performance. If the instrument did not pass the particular operating parameters, the reason is listed as such.

Optimum analytical instrument performance was assured by the performance of a BFB tune check prior to each batch of samples analyzed. The BFB tune check was performed by injecting a sample of zero air through the analytical system to which the NuTech concentrator had added an aliquot of internal standard containing BFB. By doing this, the instrument is checked for retaining its tune values and for meeting the acceptance criteria for the BFB tune check that have been established in EPA Method TO-14. These zero air samples also served as the instrument blank for a specific batch of samples in order to ensure that the system was free of contamination. A daily check of the current calibration was accomplished by analyzing a 1.0 ppbv TO-14 standard.

Any values that fell outside of the range of the calibration curves were considered to be and reported in data Tables 4.3.3 through 4.3.33 as an estimated (E) value. Values reported as (E) should be taken as estimates of the concentration and statistically treated as such. Any values reported for compounds that were outside the QA/QC parameter of $\leq 30\%$ response factor were also reported as estimated values with designations of (EE) following the value. Values reported as (EE) are deemed unreliable as estimates and should not be given any weight in terms of evaluation of the air quality for these samples. Compounds concentrations that were below the reportable limit of 0.1 ppbv were reported as Below Reportable Limits (BRL).

Table 4.3.2a. Calibration Status and TAP designations for Selected TO-14 Compounds

TO-14 Compound (synonym)	CAS #	Calibration Status	NC TAP
Methyl bromide (Bromomethane)	74-83-9	Pass	
Freon 11 (Trichlorofluoromethane)	75-69-4	Pass	Y
1,1-Dichloroethene (Vinylidene chloride)	75-35-4	Pass	Y
Freon 113 (1,1,2-Trichloro-1,2,2-trifluoroethane)	76-13-1	Pass	Y
Methylene chloride (Dichloromethane)	75-09-2	Pass	Y
1,1-Dichloroethane	75-34-3	Pass	
Cis-1,2-Dichloroethylene	156-59-2	Pass	
Chloroform	67-66-3	Pass	Y
Methyl chloroform (1,1,1-Trichloroethane)	71-55-6	Pass	Y
1,2-Dichloroethane (ethylene dichloride)	107-06-2	Pass	Y
Benzene	71-43-2	Pass	Y
Carbon Tetrachloride	56-23-5	Pass	Y
1,2-Dichloropropane	78-87-5	Pass	
Trichloroethylene	79-01-6	Pass	Y
cis-1,3-Dichloropropene	10061-01-5	Pass	
Toluene	108-88-3	Pass	Y
1,1,2-Trichloroethane	79-00-5	Pass	

TO-14 Compound (synonym)	CAS #	Calibration Status	NC TAP
1,2-Dibromoethane (ethylene dibromide)	106-93-4	Pass	Y
Tetrachloroethylene (Perchloroethylene)	127-18-4	Pass	Y
Chlorobenzene	108-90-7	Pass	Y
Ethylbenzene	100-41-4	Pass	
m,p-Xylenes	1330-20-7	Pass	Y
Styrene	100-42-5	Not Found/Not Quantified ²	Y
o-xylene	95-47-6	Pass	Y
1,1,2,2-Tetrachloroethane	79-34-5	Pass	Y
1,3,5-Trimethylbenzene	108-67-8	Pass	
1,2,4-Trimethylbenzene	95-63-6	Pass	
m-Dichlorobenzene	541-73-1	Pass	
p-Dichlorobenzene	106-46-7	Pass	Y
o-Dichlorobenzene	95-50-1	Pass	
1,2,4-Trichlorobenzene	120-82-1	Pass	
Hexachlorobutadiene	87-68-3	Pass	

Table 4.3.2b. Calibration Status and TAP designations for Selected TO-14 Compounds

TO-14 Compound (synonym)	CAS #	Calibration Status	NC TAP
Methyl bromide (Bromomethane)	74-83-9	Pass	
Freon 11 (Trichlorofluoromethane)	75-69-4	Pass	Y
1,1-Dichloroethene (Vinylidene chloride)	75-35-4	Pass	Y
Freon 113 (1,1,2-Trichloro-1,2,2-trifluoroethane)	76-13-1	Pass	Y
Methylene chloride (Dichloromethane)	75-09-2	Pass	Y
1,1-Dichloroethane	75-34-3	Pass	
Cis-1,2-Dichloroethylene	156-59-2	Pass	
Chloroform	67-66-3	Pass	Y
Methyl chloroform (1,1,1-Trichloroethane)	71-55-6	Pass	Y
1,2-Dichloroethane (ethylene dichloride)	107-06-2	Pass	Y
Benzene	71-43-2	Not Found/Not Quantified ¹	Y
Carbon Tetrachloride	56-23-5	Pass	Y
1,2-Dichloropropane	78-87-5	Pass	
Trichloroethylene	79-01-6	Pass	Y
cis-1,3-Dichloropropene	10061-01-5	Pass	
Toluene	108-88-3	Pass	Y
1,1,2-Trichloroethane	79-00-5	Pass	

TO-14 Compound (synonym)	CAS #	Calibration Status	NC TAP
1,2-Dibromoethane (ethylene dibromide)	106-93-4	Pass	Y
Tetrachloroethylene (Perchloroethylene)	127-18-4	Pass	Y
Chlorobenzene	108-90-7	Pass	Y
Ethylbenzene	100-41-4	Pass	
m,p-xylenes	1330-20-7	Pass	Y
Styrene	100-42-5	Not Found/Not Quantified ²	Y
o-xylene	95-47-6	Pass	Y
1,1,2,2-Tetrachloroethane	79-34-5	Pass	Y
1,3,5-Trimethylbenzene	108-67-8	Pass	
1,2,4-Trimethylbenzene	95-63-6	Pass	
m-Dichlorobenzene	541-73-1	Pass	
p-Dichlorobenzene	106-46-7	Pass	Y
o-Dichlorobenzene	95-50-1	Pass	
1,2,4-Trichlorobenzene	120-82-1	Pass	
Hexachlorobutadiene	87-68-3	Pass	

Table 4.3.2c. Calibration Status and TAP designations for Selected TO-14 Compounds

TO-14 Compound (synonym)	CAS #	Calibration Status	NC TAP
Methyl bromide (Bromomethane)	74-83-9	Pass	
Freon 11 (Trichlorofluoromethane)	75-69-4	Pass	Y
1,1-Dichloroethene (Vinylidene chloride)	75-35-4	Pass	Y
Freon 113 (1,1,2-Trichloro-1,2,2-trifluoroethane)	76-13-1	Not Found/Not Quantified ¹	Y
Methylene chloride (Dichloromethane)	75-09-2	Pass	Y
1,1-Dichloroethane	75-34-3	Pass	
cis-1,2-Dichloroethylene	156-59-2	Pass	
Chloroform	67-66-3	Not Found/Not Quantified ²	Y
Methyl chloroform (1,1,1-Trichloroethane)	71-55-6	Pass	Y
1,2-Dichloroethane (ethylene dichloride)	107-06-2	Pass	Y
Benzene	71-43-2	Pass	Y
Carbon Tetrachloride	56-23-5	Pass	Y
1,2-Dichloropropane	78-87-5	Pass	
Trichloroethylene	79-01-6	Pass	Y
cis-1,3-Dichloropropene	10061-01-5	Pass	
Toluene	108-88-3	Pass	Y
1,1,2-Trichloroethane	79-00-5	Pass	

TO-14 Compound (synonym)	CAS #	Calibration Status	NC TAP
1,2-Dibromoethane (ethylene dibromide)	106-93-4	Pass	Y
Tetrachloroethylene (Perchloroethylene)	127-18-4	Pass	Y
Chlorobenzene	108-90-7	Not Found/Not Quantified ¹	Y
Ethylbenzene	100-41-4	Pass	
m,p-xylenes	1330-20-7	Pass	Y
Styrene	100-42-5	Not Found/Not Quantified ²	Y
o-xylene	95-47-6	Pass	Y
1,1,2,2-Tetrachloroethane	79-34-5	Pass	Y
1,3,5-Trimethylbenzene	108-67-8	Pass	
1,2,4-Trimethylbenzene	95-63-6	Pass	
m-Dichlorobenzene	541-73-1	Pass	
p-Dichlorobenzene	106-46-7	Pass	Y
o-Dichlorobenzene	95-50-1	Pass	
1,2,4-Trichlorobenzene	120-82-1	Pass	
Hexachlorobutadiene	87-68-3	Pass	

Notes:

1. These compounds were observed in the calibration mixes but failed the instrument criteria for passing calibration set for these analyses, i.e. not $\leq 30\%$ response factor. Therefore, any concentration values obtained for these compounds were reported as estimates (EE) in these samples.
2. These compounds were not observed in the calibration mixes due to the instrument's inability to detect these compounds at the time of calibration and analysis.

The meteorological data for the entire sampling period were also collected and the wind roses for each site are plotted in Figures 4.3.1 through 4.3.3. The windrose for Site MC1 indicates that the wind direction had a slightly predominance from the northeast direction with a slightly secondary component from the north direction. The wind direction was quite evenly distributed with no direction having a greater than 12% frequency. The winds were less than one mph for 1.6% of the data points. The windrose for Site MC2 indicates that the wind direction was predominantly from the north-northeast direction with a secondary component from the south direction. Winds were less than one mph for 5.5% of the data points. Meteorological data from site MC1 was substituted and averaged into the site MC2 data set where data was missing due to a data logger malfunction. The data that was substituted was for April 13, 18:30 hrs until April 15, 19:45 hrs and again May 9, 15:45 hrs to May 14, 16:30hrs. These data substitution were appropriate given the proximity of the sites MC1 and MC2. The windrose for Site MC3 indicates that the wind direction was predominantly from the northeast direction with a secondary component from the west-southwest direction. The wind was less than 1 mph for 12.3% of the data points. The wind roses were plotted from the 15-min averaged wind direction and speed data. The 24-hr averaged wind direction, speed, and standard deviation of the wind direction are given in Table 4.3.36 and are correlated to the same time period as the sample collection.

ATAST collected 108 sample canisters from the three sites in the Matthews, NC area. Each sample was collected over a 24-hr period and the samples were collected continuously (except for mechanical and operator error, noted below) from April 13 through May 18, 1999. Of the 108 sample collected canisters, 99 were analyzed as viable samples. Tables 4.3.3 through 4.3.33 contain the results of the canister analyses. In Tables 4.3.3 through 4.3.33, “No Data” refers to the samples that were considered to invalid because 1) field operational errors and 2) no sample was collected due to a power failure at the site MC1.

Table 4.3.34 is a summary of the 31 compound results tables and includes the compound names, their maximum concentration found in any sample, the concentration value used for comparison and the source of those comparison values.

The particular reference values that were used for comparison purposes were chosen based on a hierarchy of comparing the maximum analysis values, first, to the ES&T average ambient air concentration value⁽⁴⁾, second, to the ATSDR MRL concentration value⁽¹⁾, and third to a NC DAQ, TPB “Action Level” concentration value⁽⁷⁾.

The following is how the comparison values were decided upon, based on the above hierarchy. First, the maximum analysis concentration value for a particular compound was compared to the ES&T average ambient air concentration value. If the maximum analysis value was less than the ES&T value, then the ES&T value was the value to which the analysis value was compared. If the maximum value were greater than the ES&T value or an ES&T value were not available then the maximum value was compared to the lowest MRL available from ATSDR. If there were no ATSDR value for the particular compound then the maximum value was compared to a NC DAQ, TPB “Action Level”. In some cases there were no available values for comparison from any of the reference sources. Although these compounds were amenable to analysis by Method TO-14 and as such, were quantified and reported, they are not regulated under the NC Toxic Air Pollutants Regulations (see Tables 4.3.2a-c).

Table 4.3.34 – Comparison Values for TO-14 Compounds

TO-14 Compound	NC TAP	Max. Conc. Value* (ppb)	Comparison Value (ppb)	Source of Comp. Value
Methyl bromide		BRL	Non-Detect	ES&T
Freon 11	X	4.449	99,467	NC Action Level
1,1-Dichloroethene	X	0.169*	20	ATSDR MRL
Freon 113	X	0.564	123,697	NC Action Level
Methylene chloride	X	10.193*	300	ATSDR MRL
1,1-Dichloroethane		0.112*	NONE	NONE
cis-1,2-Dichloroethylene		0.103*	NONE	NONE
Chloroform	X	0.181*	20	ATSDR MRL
Methylchloroform	X	0.229*	0.420	ES&T
1,2-Dichloroethane		0.666	200	ATSDR MRL
Benzene	X	1.004	1,594	ES&T
Carbon Tetrachloride	X	0.156	50	ATSDR MRL
1,2-Dichloropropane		0.250*	7	ATSDR MRL
Trichloroethylene	X	0.923*	100	ATSDR MRL
cis-1,3-Dichloropropene		0.557	2	ATSDR MRL
Toluene	X	1.355	2,275	ES&T
1,1,2-Trichloroethane		0.280	NONE	NONE
1,2-Dibromoethane		0.511	NONE	NONE
Tetrachloroethylene	X	0.166*	0.250	ES&T
Chlorobenzene	X	1.318	477.2	NC Action Level
Ethylbenzene		0.694*	200	ATSDR MRL
m,p-xylenes	X	1.666*	100	ATSDR MRL
o-Xylene	X	1.046*	100	ATSDR MRL
1,1,2,2-Tetrachloroethane	X	0.260*	400	ATSDR MRL
1,3,5-Trimethylbenzene		0.151	NONE	NONE
1,2,4-Trimethylbenzene		2.628*	NONE	NONE
m-Dichlorobenzene		1.526*	NONE	NONE
p-Dichlorobenzene	X	2.179*	100	ATSDR MRL
o-Dichlorobenzene		1.526*	NONE	NONE
1,2,4-Trichlorobenzene		4.951*	NONE	NONE
Hexachlorobutadiene		3.359*	NONE	NONE

* These values were observed from the April 28/29 sample.

Of specific interest in ambient air monitoring studies are BTEX (benzene, toluene, ethylbenzene, and xylenes) concentrations. In Table 4.3.35 below, the average BTEX concentration values found for the samples collected at the three Matthews sites are compared to average BTEX values found at comparable sites from a comprehensive ambient air study in the Charlotte area⁽⁸⁾. From this comparison it can be seen that the concentrations found at the Matthews sites were similar to those found at the sites in the Charlotte study. The comparisons were pertinent because of the similarity of several of the sampling sites between the study and this survey and ATSDR had made an assessment of the BTEX concentrations observed in the Charlotte study.⁽⁹⁾ ATSDR's assessment of the data was that BTEX concentrations were typical of urban areas. Thus given this evaluation and the comparison of the average sample concentration values at the three Matthews sites, the levels of BTEX observed do not represent the need for an increased level of concern.

Table 4.3.35 - Average BTEX Concentration Values

Location	Benzene		Toluene		Ethylbenzene		m,p-Xylenes		o-Xylenes	
	ppb	µg/m ³	ppb	µg/m ³	ppb	µg/m ³	ppb	µg/m ³	ppb	µg/m ³
Matthews MC1 (Residential)	0.3	0.8	0.4	1.6	0.2	0.9	0.2	1.0	0.2	0.9
Matthews Site MC2 (Residential)	0.3	0.8	0.3	1.2	0.1	0.5	0.2	1.0	0.1	0.6
Matthews Site MC3 (Residential)	0.2	0.7	0.3	1.3	0.3	1.2	0.3	1.4	0.4	1.6
Marsh (Residential)	0.5	1.7	1.0	3.9	0.2	0.7	0.5	2.2	0.2	0.8
Kennedy (Residential)	0.3	0.9	0.8	3.2	0.1	0.4	0.2	1.0	0.1	0.4
Dilworth (Urban)	0.5	1.4	1.0	3.8	0.1	0.6	0.5	2.1	0.2	0.8
Fontana (Urban)	0.6	1.9	1.2	4.6	0.2	0.9	0.7	3.0	0.3	1.1

Of the 33 compounds listed in Tables 4.3.2a-c, ATAST found a maximum of 25 compounds of quantifiable concentration in the collected samples. This number of quantifiable compounds was found in only one sample collected from April 28, 18:30 hrs to April 29, 18:30 hrs at Site MC3. The MC3 site sampling system collected a sample that had concentration values that were elevated over what was seen in samples before and after this date. See Tables 4.3.3-4.3.33. Although these concentrations were higher than what had otherwise been seen, the levels were not at a level that would be considered to be of concern as the comparison Table 4.3.34 shows. At the time of the sample the average wind direction at site MC3 had two components (See Figure 4.3.6). The primary component was out of the northeast (77% of the data points) and a secondary component was out of the east-northeast (~22% of the data points). The winds were calm 1% of the time. The winds at site MC1 (see Figure 4.3.4) were out of the north ~75%, north-northeast ~13%, north-northwest ~9%, and calm ~1%. The winds at site MC2 (See Figure 4.3.5) were out of the north-northeast ~92% of the time, out of the northeast ~7%, and calm ~1%. Since the levels observed at site MC3 were not observed

at MC1 or MC2, it would seem to indicate that there was a transient plume from an unknown source which was detected at the MC3 site, though the source of the plume is not attributable to a specific source. Further indication of the transient nature of this plume is suggested by looking at sample obtained when the 24-hr average wind direction was from the same general direction (See Table 4.3.36). This can be seen at site MC3 for April 29 and 30, 1999. Looking at these dates in the Canister Results Tables 4.3.3 - 4.3.33, one sees that there are not the same number of compounds detected.

In summary, as can be seen in Table 4.3.34, none of the maximum concentration values exceeded available comparison values, thus indicating that all of the values obtained in these analyses do not represent the need for an increased level of concern.

Figure 4.3.1 - Matthews VOC Monitoring Survey Meteorological Data
 Site MC1 - April 13 through May 19, 1999

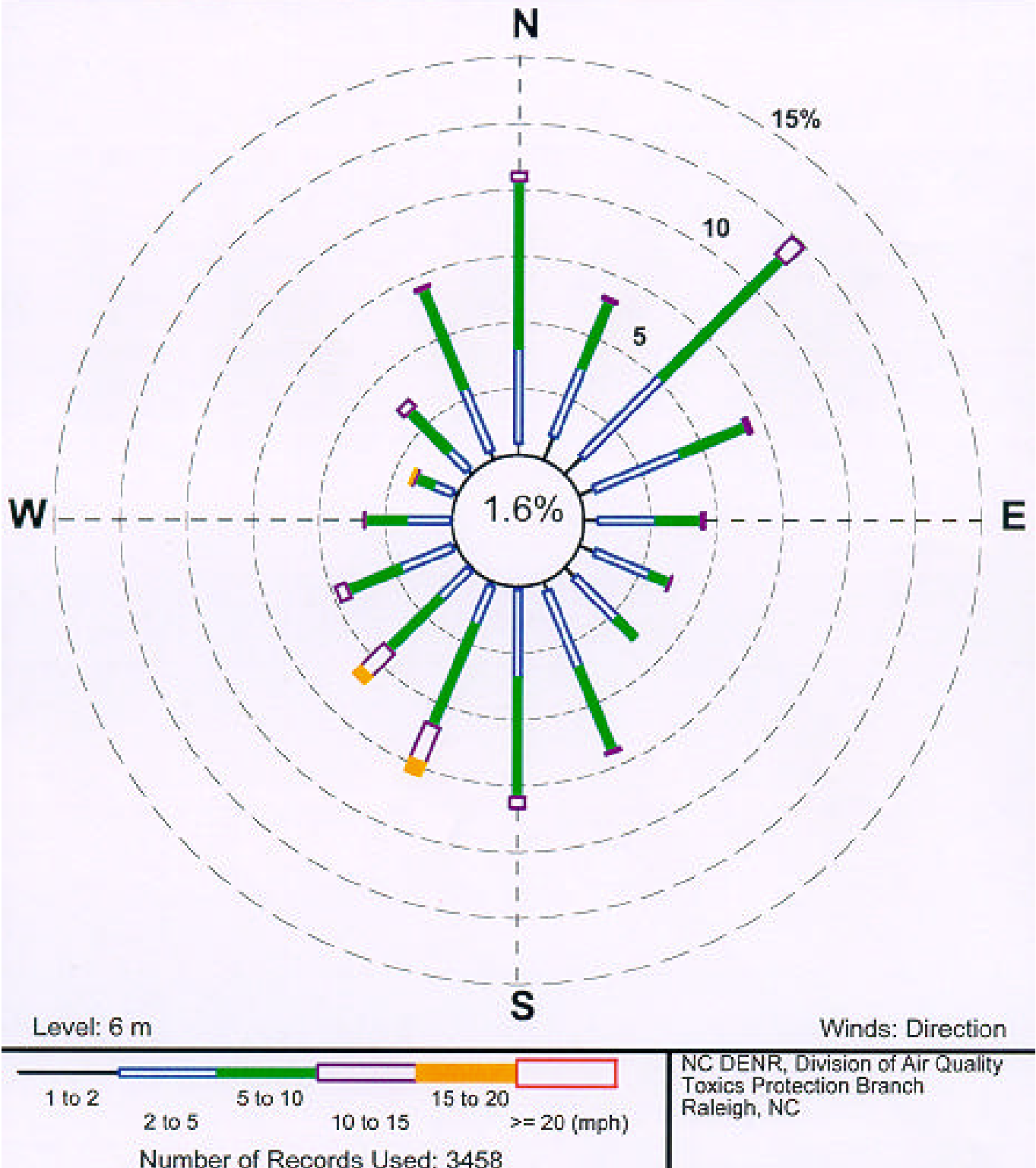


Figure 4.3.2 - Matthews VOC Monitoring Survey Meteorological Data
 Site MC2 - April 13 through May 19, 1999

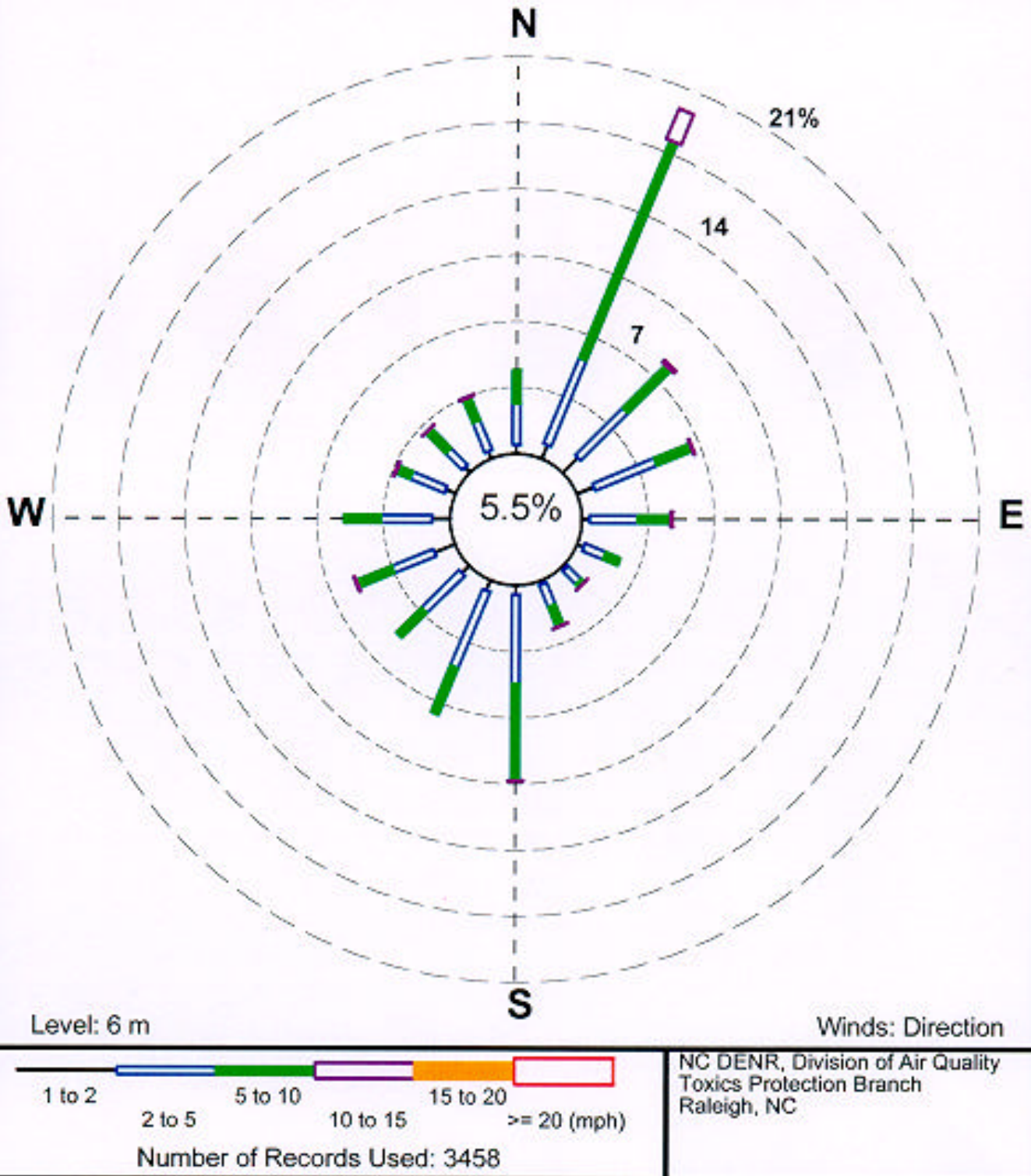
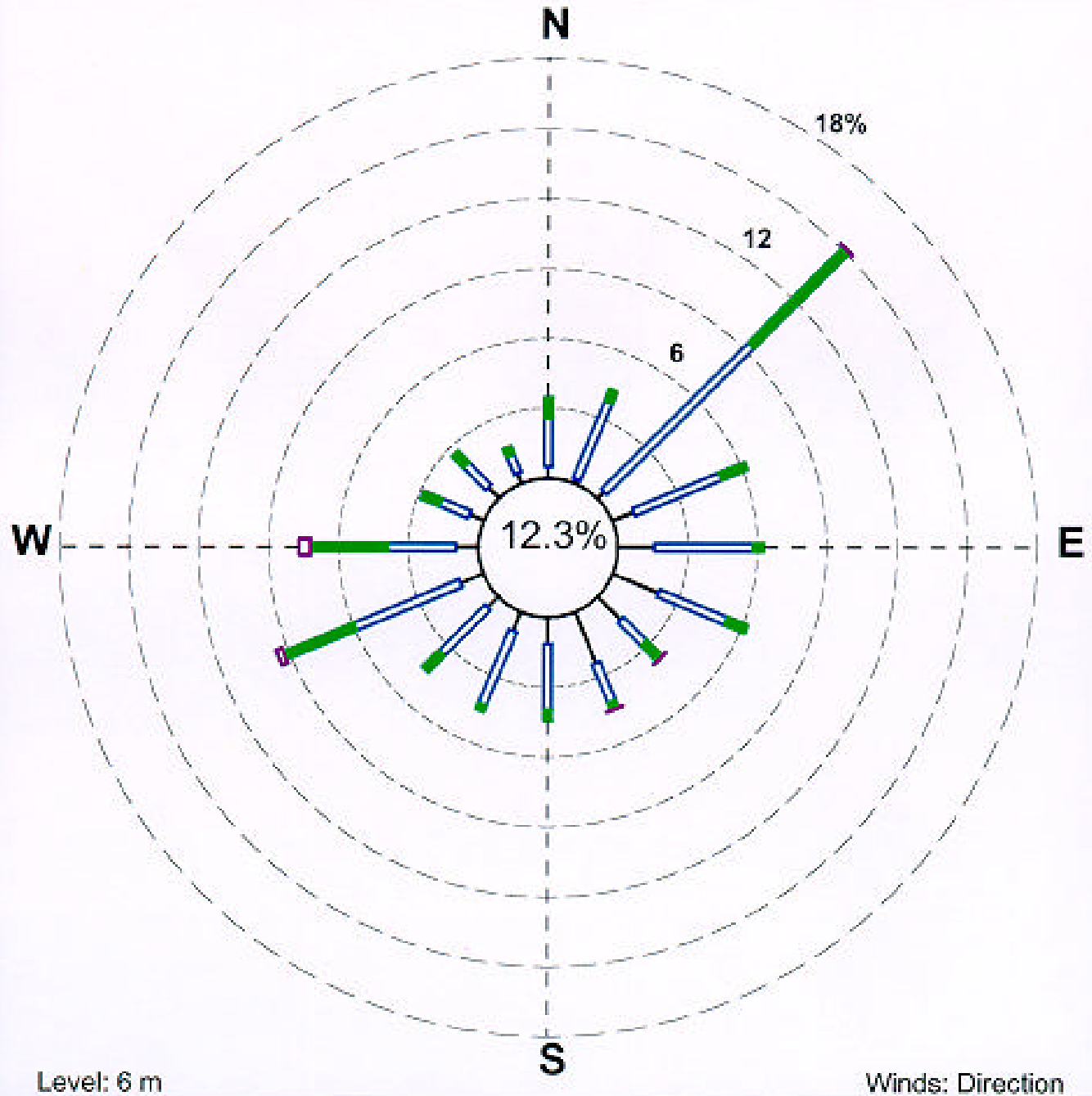
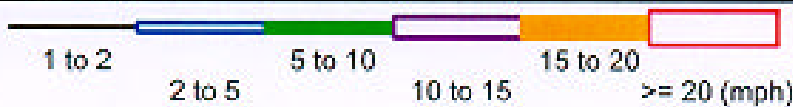


Figure 4.3.3 - Matthews VOC Monitoring Survey Meteorological Data
 Site MC3 - April 13 through May 19, 1999



Level: 6 m

Winds: Direction



NC DENR, Division of Air Quality
 Toxics Protection Branch
 Raleigh, NC

Number of Records Used: 3458

Figure 4.3.4 - Matthews VOC Monitoring Survey Meteorological Data
 Site MC3 - 24 hr Period of 18:30 hrs April 28 through 18:30 hrs April 29, 1999

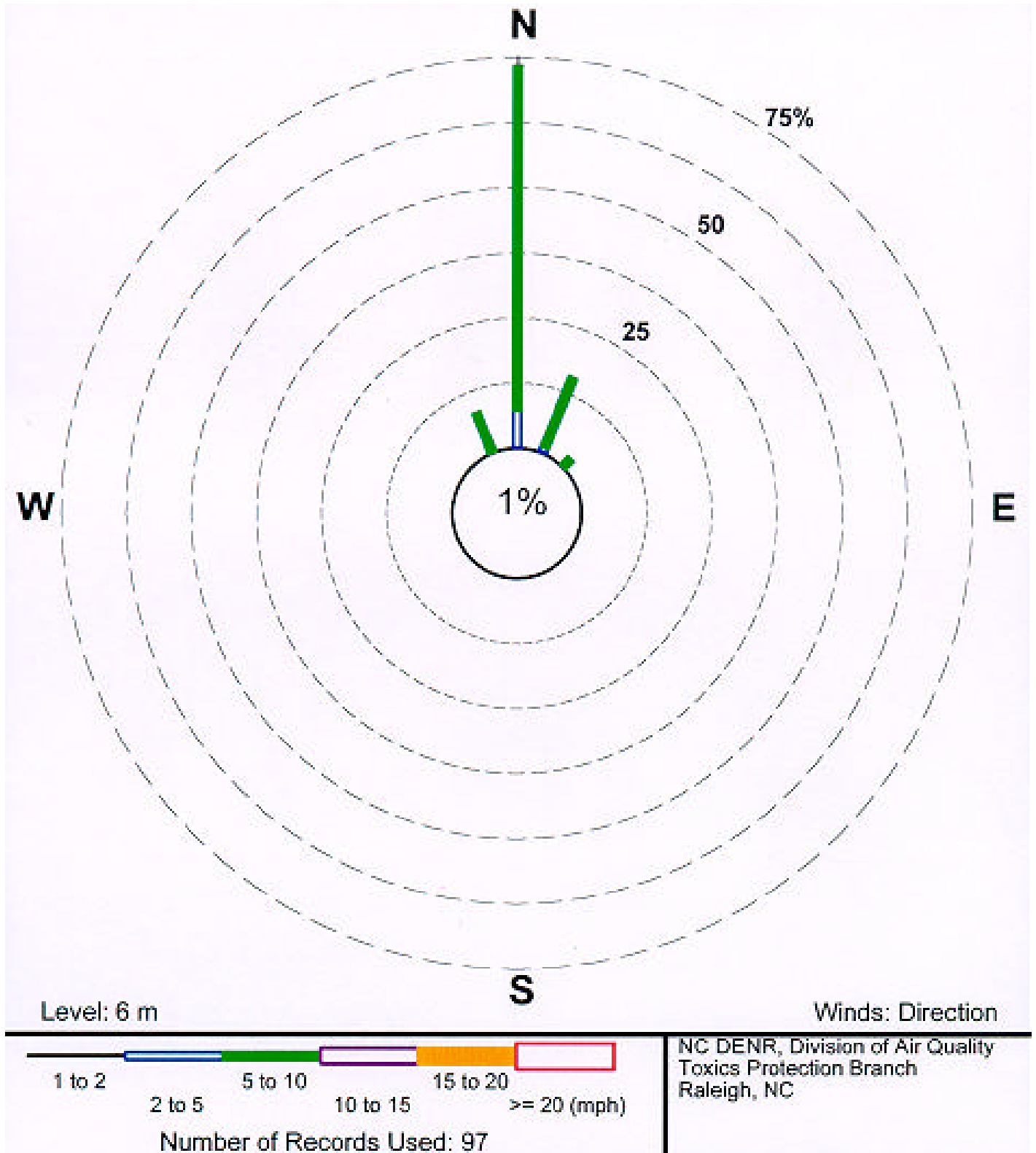


Figure 4.3.5 - Matthews VOC Monitoring Survey Meteorological Data
 Site MC3 - 24 hr Period of 18:30 hrs April 28 through 18:30 hrs April 29, 1999

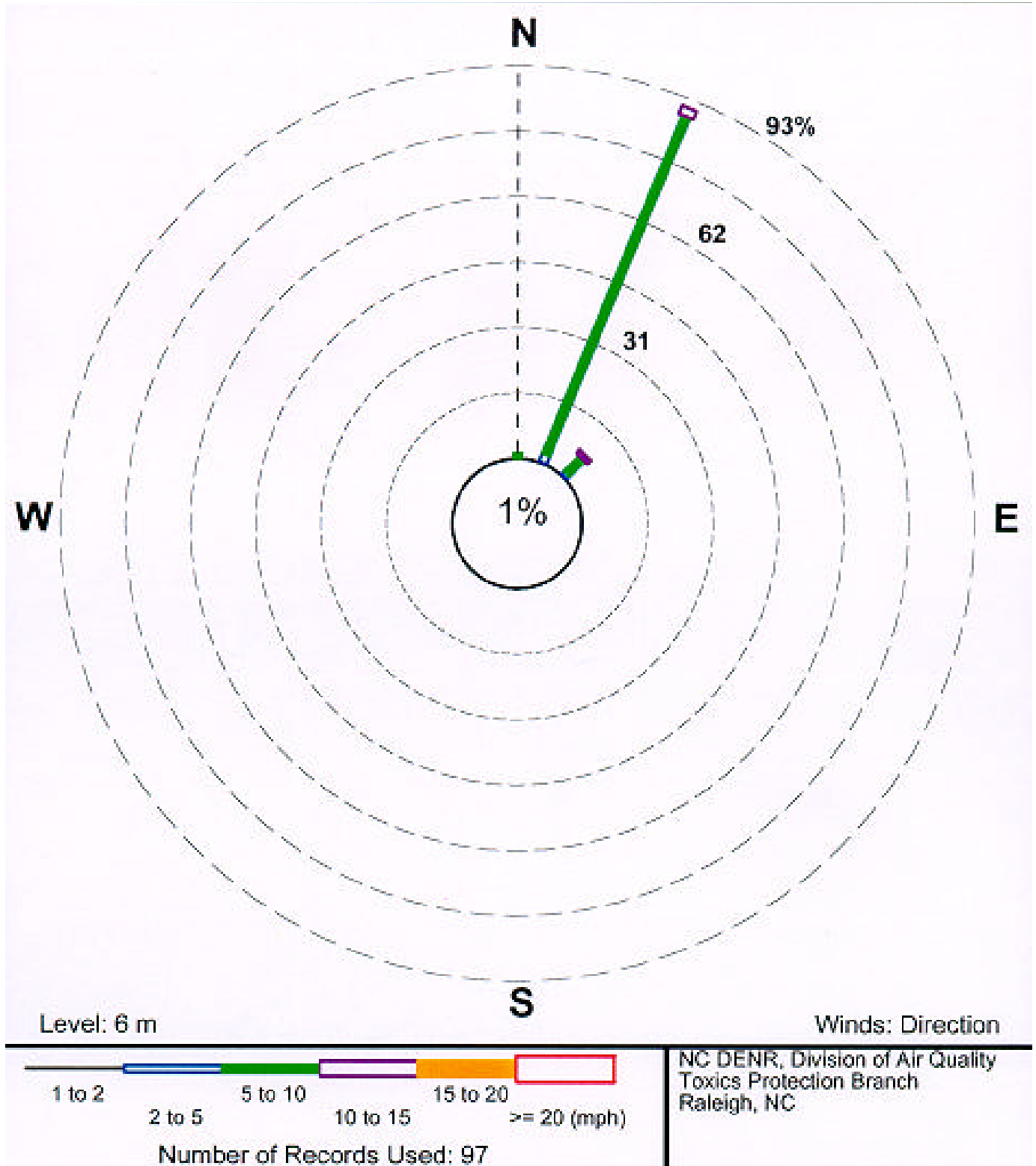


Figure 4.3.6 - Matthews VOC Monitoring Survey Meteorological Data
 Site MC3 - 24 hr Period of 18:30 hrs April 28 through 18:30 hrs April 29, 1999

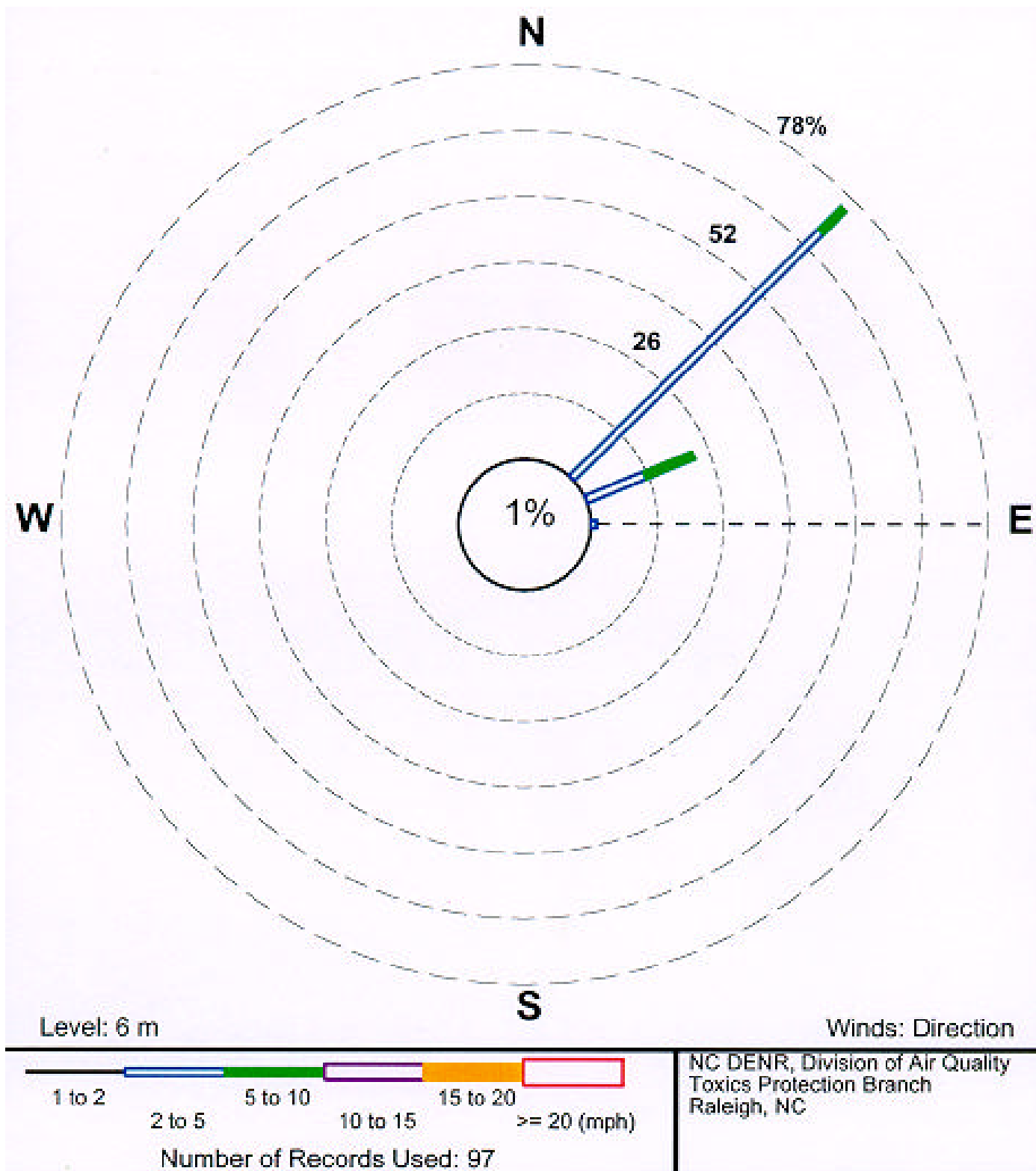


Table 4.3.3 Canister Result for Methyl Bromide

Date	MC1 ug/m3	MC1 ppb	MC2 ug/m3	MC2 ppb	MC3 ug/m3	MC3 ppb
4/13/99	BRL	BRL	BRL	BRL	BRL	BRL
4/14/99	BRL	BRL	BRL	BRL	BRL	BRL
4/15/99	BRL	BRL	BRL	BRL	BRL	BRL
4/16/99	BRL	BRL	BRL	BRL	BRL	BRL
4/17/99	BRL	BRL	BRL	BRL	BRL	BRL
4/18/99	BRL	BRL	BRL	BRL	BRL	BRL
4/19/99	BRL	BRL	BRL	BRL	BRL	BRL
4/20/99	BRL	BRL	BRL	BRL	BRL	BRL
4/21/99	BRL	BRL	BRL	BRL	BRL	BRL
4/22/99	BRL	BRL	BRL	BRL	BRL	BRL
4/23/99	BRL	BRL	BRL	BRL	BRL	BRL
4/24/99	BRL	BRL	BRL	BRL	BRL	BRL
4/25/99	BRL	BRL	BRL	BRL	No Sample	No Sample
4/26/99	BRL	BRL	BRL	BRL	BRL	BRL
4/27/99	BRL	BRL	BRL	BRL	BRL	BRL
4/28/99	BRL	BRL	BRL	BRL	BRL	BRL
4/29/99	BRL	BRL	BRL	BRL	BRL	BRL
4/30/99	Power Failure	Power Failure	BRL	BRL	BRL	BRL
5/1/99	Power Failure	Power Failure	BRL	BRL	BRL	BRL
5/2/99	Power Failure	Power Failure	BRL	BRL	No Sample	No Sample
5/3/99	Power Failure	Power Failure	BRL	BRL	No Sample	No Sample
5/4/99	Power Failure	Power Failure	BRL	BRL	No Sample	No Sample
5/5/99	BRL	BRL	BRL	BRL	BRL	BRL
5/6/99	BRL	BRL	BRL	BRL	BRL	BRL
5/7/99	BRL	BRL	BRL	BRL	BRL	BRL
5/8/99	BRL	BRL	BRL	BRL	BRL	BRL
5/9/99	BRL	BRL	BRL	BRL	BRL	BRL
5/10/99	BRL	BRL	BRL	BRL	BRL	BRL
5/11/99	BRL	BRL	BRL	BRL	BRL	BRL
5/12/99	BRL	BRL	BRL	BRL	BRL	BRL
5/13/99	BRL	BRL	BRL	BRL	BRL	BRL
5/14/99	BRL	BRL	BRL	BRL	BRL	BRL
5/15/99	BRL	BRL	BRL	BRL	BRL	BRL
5/16/99	BRL	BRL	BRL	BRL	BRL	BRL
5/17/99	BRL	BRL	BRL	BRL	BRL	BRL
5/18/99	BRL	BRL	BRL	BRL	BRL	BRL
Average	0.389	0.100	0.389	0.100	0.389	0.100

Averages calculated using the BRL value = 0.1ppb (0.389ug/m3)

Table 4.3.4 Canister Result for Freon 11 (Trichlorofluoromethane)

Date	MC1 ug/m3	MC1 ppb	MC2 ug/m3	MC2 ppb	MC3 ug/m3	MC3 ppb
4/13/99	1.436	0.255	1.312	0.233	1.323	0.235
4/14/99	1.265	0.230	1.284	0.228	2.505	0.445
4/15/99	1.244	0.221	1.239	0.220	1.267	0.419
4/16/99	1.267	0.225	1.317	0.234	1.244	0.221
4/17/99	1.244	0.221	1.289	0.229	1.329	0.236
4/18/99	1.892	0.336	1.239	0.220	1.289	0.229
4/19/99	1.312	0.233	1.312	0.233	1.509	0.268
4/20/99	1.267	0.225	1.323	0.235	1.272	0.226
4/21/99	1.436	0.214	1.368	0.243	1.278	0.227
4/22/99	1.425	0.253	1.374	0.244	1.385	0.246
4/23/99	2.280	0.405	1.351	0.240	1.368	0.243
4/24/99	1.278	0.227	1.374	0.244	1.346	0.239
4/25/99	1.436	0.255	1.661	0.295	No Sample	No Sample
4/26/99	1.548	0.275	1.768	0.314	3.801	0.675
4/27/99	1.543	0.274	1.650	0.293	BRL	BRL
4/28/99	21.514	3.821	1.577	0.280	3.744	0.665
4/29/99	1.717	0.305	1.638	0.291	1.582	0.281
4/30/99	Power Failure	Power Failure	1.593	0.283	1.498	0.266
5/1/99	Power Failure	Power Failure	1.520	0.270	1.537	0.273
5/2/99	Power Failure	Power Failure	1.622	0.288	No Sample	No Sample
5/3/99	Power Failure	Power Failure	1.633	0.290	No Sample	No Sample
5/4/99	Power Failure	Power Failure	1.633	0.290	No Sample	No Sample
5/5/99	1.610	0.286	1.633	0.290	1.509	0.268
5/6/99	1.560	0.277	1.565	0.278	1.510	0.268
5/7/99	1.836	0.326	1.520	0.270	1.458	0.259
5/8/99	1.571	0.279	1.458	0.259	1.486	0.264
5/9/99	1.543	0.274	1.520	0.270	1.517	0.269
5/10/99	1.503	0.267	1.537	0.273	1.531	0.272
5/11/99	2.382	0.423	1.436	0.255	1.470	0.261
5/12/99	1.751	0.311	25.049	4.449	1.492	0.265
5/13/99	1.481	0.263	1.447	0.257	1.441	0.256
5/14/99	BRL	BRL	1.419	0.252	1.419	0.252
5/15/99	1.537	0.273	1.441	0.256	1.588	0.282
5/16/99	1.554	0.276	1.582	0.281	1.565	0.278
5/17/99	1.600	0.284	1.503	0.267	1.565	0.278
5/18/99	1.582	0.281	1.560	0.277	1.593	0.283
Average	2.156	0.384	2.128	0.379	1.624	0.289

Averages calculated using the BRL value = 0.1ppb (5.62 ug/m3)

Table 4.3.5 Canister Result for 1,1-Dichloroethene

Date	MC1 ug/m3	MC1 ppb	MC2 ug/m3	MC2 ppb	MC3 ug/m3	MC3 ppb
4/13/99	BRL	BRL	BRL	BRL	BRL	BRL
4/14/99	BRL	BRL	BRL	BRL	BRL	BRL
4/15/99	BRL	BRL	BRL	BRL	BRL	BRL
4/16/99	BRL	BRL	BRL	BRL	BRL	BRL
4/17/99	BRL	BRL	BRL	BRL	BRL	BRL
4/18/99	BRL	BRL	BRL	BRL	BRL	BRL
4/19/99	BRL	BRL	BRL	BRL	BRL	BRL
4/20/99	BRL	BRL	BRL	BRL	BRL	BRL
4/21/99	BRL	BRL	BRL	BRL	BRL	BRL
4/22/99	BRL	BRL	BRL	BRL	BRL	BRL
4/23/99	BRL	BRL	BRL	BRL	BRL	BRL
4/24/99	BRL	BRL	BRL	BRL	BRL	BRL
4/25/99	BRL	BRL	BRL	BRL	No Sample	No Sample
4/26/99	BRL	BRL	BRL	BRL	BRL	BRL
4/27/99	BRL	BRL	BRL	BRL	BRL	BRL
4/28/99	BRL	BRL	BRL	BRL	0.672	0.169
4/29/99	BRL	BRL	BRL	BRL	BRL	BRL
4/30/99	Power Failure	Power Failure	BRL	BRL	BRL	BRL
5/1/99	Power Failure	Power Failure	BRL	BRL	BRL	BRL
5/2/99	Power Failure	Power Failure	BRL	BRL	No Sample	No Sample
5/3/99	Power Failure	Power Failure	BRL	BRL	No Sample	No Sample
5/4/99	Power Failure	Power Failure	BRL	BRL	No Sample	No Sample
5/5/99	BRL	BRL	BRL	BRL	BRL	BRL
5/6/99	BRL	BRL	BRL	BRL	BRL	BRL
5/7/99	BRL	BRL	BRL	BRL	BRL	BRL
5/8/99	BRL	BRL	BRL	BRL	BRL	BRL
5/9/99	BRL	BRL	BRL	BRL	BRL	BRL
5/10/99	BRL	BRL	BRL	BRL	BRL	BRL
5/11/99	BRL	BRL	BRL	BRL	BRL	BRL
5/12/99	BRL	BRL	BRL	BRL	BRL	BRL
5/13/99	BRL	BRL	BRL	BRL	BRL	BRL
5/14/99	BRL	BRL	BRL	BRL	BRL	BRL
5/15/99	BRL	BRL	BRL	BRL	BRL	BRL
5/16/99	BRL	BRL	BRL	BRL	BRL	BRL
5/17/99	BRL	BRL	BRL	BRL	BRL	BRL
5/18/99	BRL	BRL	BRL	BRL	BRL	BRL
Average	0.397	0.100	0.397	0.100	0.406	0.102

Averages calculated using the BRL value = 0.1ppb (0.397 ug/m3)

Table 4.3.6 Canister Result for Freon 113

Date	MC1 ug/m3	MC1 ppb	MC2 ug/m3	MC2 ppb	MC3 ug/m3	MC3 ppb
4/13/99	BRL	BRL	0.883	0.115	BRL	BRL
4/14/99	BRL	BRL	1.029	0.134	0.937	0.122
4/15/99	BRL	BRL	BRL	BRL	BRL	BRL
4/16/99	BRL	BRL	0.814	0.106	BRL	BRL
4/17/99	BRL	BRL	0.991	0.129	BRL	BRL
4/18/99	BRL	BRL	BRL	BRL	BRL	BRL
4/19/99	BRL	BRL	1.244	0.162	BRL	BRL
4/20/99	BRL	BRL	1.474	0.192	BRL	BRL
4/21/99	BRL	BRL	1.513	0.197	BRL	BRL
4/22/99	BRL	BRL	1.121	0.146	BRL	BRL
4/23/99	BRL	BRL	1.144	0.149	BRL	BRL
4/24/99	BRL	BRL	0.937	0.122	BRL	BRL
4/25/99	BRL	BRL	1.252	0.163	No Sample	No Sample
4/26/99	BRL	BRL	BRL	BRL	2.043	0.266
4/27/99	BRL	BRL	1.083	0.141	BRL	BRL
4/28/99	0.952	0.124	1.083	0.141	1.352	0.176
4/29/99	BRL	BRL	1.528	0.199	BRL	BRL
4/30/99	Power Failure	Power Failure	1.559	0.203	BRL	BRL
5/1/99	Power Failure	Power Failure	BRL	BRL	1.567	0.204
5/2/99	Power Failure	Power Failure	BRL	BRL	No Sample	No Sample
5/3/99	Power Failure	Power Failure	BRL	BRL	No Sample	No Sample
5/4/99	Power Failure	Power Failure	BRL	BRL	No Sample	No Sample
5/5/99	BRL	BRL	BRL	BRL	BRL	BRL
5/6/99	BRL	BRL	BRL	BRL	BRL	BRL
5/7/99	BRL	BRL	BRL	BRL	BRL	BRL
5/8/99	BRL	BRL	0.876	0.114	BRL	BRL
5/9/99	BRL	BRL	1.014	0.132	BRL	BRL
5/10/99	BRL	BRL	1.3209	0.172	BRL	BRL
5/11/99	4.331	0.564	0.814	0.106	BRL	BRL
5/12/99	1.528 (EE)	0.199 (EE)	BRL	BRL	BRL	BRL
5/13/99	BRL	BRL	BRL	BRL	BRL	BRL
5/14/99	BRL	BRL	BRL	BRL	BRL	BRL
5/15/99	BRL	BRL	BRL	BRL	BRL	BRL
5/16/99	BRL	BRL	BRL	BRL	BRL	BRL
5/17/99	BRL	BRL	BRL	BRL	BRL	BRL
5/18/99	BRL	BRL	BRL	BRL	BRL	BRL
Average	0.892	0.116	0.964	0.126	0.855	0.112

Averages calculated using the BRL value = 0.1ppb (0.767ug/m3)

Table 4.3.7 Canister Result for Methylene Chloride

Date	MC1 ug/m3	MC1 ppb	MC2 ug/m3	MC2 ppb	MC3 ug/m3	MC3 ppb
4/13/99	BRL	BRL	BRL	BRL	0.372	0.107
4/14/99	BRL	BRL	BRL	BRL	BRL	BRL
4/15/99	BRL	BRL	BRL	BRL	BRL	BRL
4/16/99	BRL	BRL	BRL	BRL	BRL	BRL
4/17/99	BRL	BRL	BRL	BRL	BRL	BRL
4/18/99	BRL	BRL	BRL	BRL	BRL	BRL
4/19/99	BRL	BRL	BRL	BRL	BRL	BRL
4/20/99	BRL	BRL	BRL	BRL	BRL	BRL
4/21/99	BRL	BRL	BRL	BRL	BRL	BRL
4/22/99	BRL	BRL	BRL	BRL	BRL	BRL
4/23/99	BRL	BRL	BRL	BRL	BRL	BRL
4/24/99	BRL	BRL	BRL	BRL	BRL	BRL
4/25/99	BRL	BRL	BRL	BRL	No Sample	No Sample
4/26/99	BRL	BRL	BRL	BRL	BRL	BRL
4/27/99	BRL	BRL	BRL	BRL	0.832	0.239
4/28/99	35.483	10.193	BRL	BRL	2.489	0.715
4/29/99	BRL	BRL	BRL	BRL	BRL	BRL
4/30/99	Power Failure	Power Failure	BRL	BRL	BRL	BRL
5/1/99	Power Failure	Power Failure	BRL	BRL	BRL	BRL
5/2/99	Power Failure	Power Failure	BRL	BRL	No Sample	No Sample
5/3/99	Power Failure	Power Failure	BRL	BRL	No Sample	No Sample
5/4/99	Power Failure	Power Failure	BRL	BRL	No Sample	No Sample
5/5/99	BRL	BRL	BRL	BRL	BRL	BRL
5/6/99	BRL	BRL	BRL	BRL	BRL	BRL
5/7/99	0.735	0.211	BRL	BRL	BRL	BRL
5/8/99	BRL	BRL	BRL	BRL	BRL	BRL
5/9/99	BRL	BRL	BRL	BRL	BRL	BRL
5/10/99	BRL	BRL	BRL	BRL	BRL	BRL
5/11/99	BRL	BRL	BRL	BRL	BRL	BRL
5/12/99	BRL	BRL	BRL	BRL	BRL	BRL
5/13/99	BRL	BRL	0.4804	0.138	BRL	BRL
5/14/99	BRL	BRL	BRL	BRL	BRL	BRL
5/15/99	BRL	BRL	BRL	BRL	BRL	BRL
5/16/99	BRL	BRL	BRL	BRL	BRL	BRL
5/17/99	BRL	BRL	BRL	BRL	BRL	BRL
5/18/99	BRL	BRL	BRL	BRL	BRL	BRL
Average	1.489	0.429	0.351	0.101	0.430	0.124

Averages calculated using the BRL value = 0.1ppb (0.347ug/m3)

Table 4.3.8 Canister Result for 1,1-Dichloroethane

Date	MC1 ug/m3	MC1 ppb	MC2 ug/m3	MC2 ppb	MC3 ug/m3	MC3 ppb
4/13/99	BRL	BRL	BRL	BRL	BRL	BRL
4/14/99	BRL	BRL	BRL	BRL	BRL	BRL
4/15/99	BRL	BRL	BRL	BRL	BRL	BRL
4/16/99	BRL	BRL	BRL	BRL	BRL	BRL
4/17/99	BRL	BRL	BRL	BRL	BRL	BRL
4/18/99	BRL	BRL	BRL	BRL	BRL	BRL
4/19/99	BRL	BRL	BRL	BRL	BRL	BRL
4/20/99	BRL	BRL	BRL	BRL	BRL	BRL
4/21/99	BRL	BRL	BRL	BRL	BRL	BRL
4/22/99	BRL	BRL	BRL	BRL	BRL	BRL
4/23/99	BRL	BRL	BRL	BRL	BRL	BRL
4/24/99	BRL	BRL	BRL	BRL	BRL	BRL
4/25/99	BRL	BRL	BRL	BRL	No Sample	No Sample
4/26/99	BRL	BRL	BRL	BRL	BRL	BRL
4/27/99	BRL	BRL	BRL	BRL	BRL	BRL
4/28/99	BRL	BRL	BRL	BRL	0.454	0.112
4/29/99	BRL	BRL	BRL	BRL	BRL	BRL
4/30/99	Power Failure	Power Failure	BRL	BRL	BRL	BRL
5/1/99	Power Failure	Power Failure	BRL	BRL	BRL	BRL
5/2/99	Power Failure	Power Failure	BRL	BRL	No Sample	No Sample
5/3/99	Power Failure	Power Failure	BRL	BRL	No Sample	No Sample
5/4/99	Power Failure	Power Failure	BRL	BRL	No Sample	No Sample
5/5/99	BRL	BRL	BRL	BRL	BRL	BRL
5/6/99	BRL	BRL	BRL	BRL	BRL	BRL
5/7/99	BRL	BRL	BRL	BRL	BRL	BRL
5/8/99	BRL	BRL	BRL	BRL	BRL	BRL
5/9/99	BRL	BRL	BRL	BRL	BRL	BRL
5/10/99	BRL	BRL	BRL	BRL	BRL	BRL
5/11/99	BRL	BRL	BRL	BRL	BRL	BRL
5/12/99	BRL	BRL	BRL	BRL	BRL	BRL
5/13/99	BRL	BRL	BRL	BRL	BRL	BRL
5/14/99	BRL	BRL	BRL	BRL	BRL	BRL
5/15/99	BRL	BRL	BRL	BRL	BRL	BRL
5/16/99	BRL	BRL	BRL	BRL	BRL	BRL
5/17/99	BRL	BRL	BRL	BRL	BRL	BRL
5/18/99	BRL	BRL	BRL	BRL	BRL	BRL
Average	0.405	0.100	0.405	0.100	0.407	0.100

Averages calculated using the BRL value = 0.1ppb (0.405ug/m3)

Table 4.3.9 Canister Result for cis-1,2-Dichloroethene

Date	MC1 ug/m3	MC1 ppb	MC2 ug/m3	MC2 ppb	MC3 ug/m3	MC3 ppb
4/13/99	BRL	BRL	BRL	BRL	BRL	BRL
4/14/99	BRL	BRL	BRL	BRL	BRL	BRL
4/15/99	BRL	BRL	BRL	BRL	BRL	BRL
4/16/99	BRL	BRL	BRL	BRL	BRL	BRL
4/17/99	BRL	BRL	BRL	BRL	BRL	BRL
4/18/99	BRL	BRL	BRL	BRL	BRL	BRL
4/19/99	BRL	BRL	BRL	BRL	BRL	BRL
4/20/99	BRL	BRL	BRL	BRL	BRL	BRL
4/21/99	BRL	BRL	BRL	BRL	BRL	BRL
4/22/99	BRL	BRL	BRL	BRL	BRL	BRL
4/23/99	BRL	BRL	BRL	BRL	BRL	BRL
4/24/99	BRL	BRL	BRL	BRL	BRL	BRL
4/25/99	BRL	BRL	BRL	BRL	No Sample	No Sample
4/26/99	BRL	BRL	BRL	BRL	BRL	BRL
4/27/99	BRL	BRL	BRL	BRL	BRL	BRL
4/28/99	BRL	BRL	BRL	BRL	0.409	0.103
4/29/99	BRL	BRL	BRL	BRL	BRL	BRL
4/30/99	Power Failure	Power Failure	BRL	BRL	BRL	BRL
5/1/99	Power Failure	Power Failure	BRL	BRL	BRL	BRL
5/2/99	Power Failure	Power Failure	BRL	BRL	No Sample	No Sample
5/3/99	Power Failure	Power Failure	BRL	BRL	No Sample	No Sample
5/4/99	Power Failure	Power Failure	BRL	BRL	No Sample	No Sample
5/5/99	BRL	BRL	BRL	BRL	BRL	BRL
5/6/99	BRL	BRL	BRL	BRL	BRL	BRL
5/7/99	BRL	BRL	BRL	BRL	BRL	BRL
5/8/99	BRL	BRL	BRL	BRL	BRL	BRL
5/9/99	BRL	BRL	BRL	BRL	BRL	BRL
5/10/99	BRL	BRL	BRL	BRL	BRL	BRL
5/11/99	BRL	BRL	BRL	BRL	BRL	BRL
5/12/99	BRL	BRL	BRL	BRL	BRL	BRL
5/13/99	BRL	BRL	BRL	BRL	BRL	BRL
5/14/99	BRL	BRL	BRL	BRL	BRL	BRL
5/15/99	BRL	BRL	BRL	BRL	BRL	BRL
5/16/99	BRL	BRL	BRL	BRL	BRL	BRL
5/17/99	BRL	BRL	BRL	BRL	BRL	BRL
5/18/99	BRL	BRL	BRL	BRL	BRL	BRL
Average	0.397	0.100	0.397	0.100	0.397	0.100

Averages calculated using the BRL value = 0.1ppb (0.397ug/m3)

Table 4.3.10 Canister Result for Chloroform

Date	MC1 ug/m3	MC1 ppb	MC2 ug/m3	MC2 ppb	MC3 ug/m3	MC3 ppb
4/13/99	BRL	BRL	BRL	BRL	BRL	BRL
4/14/99	BRL	BRL	BRL	BRL	BRL	BRL
4/15/99	BRL	BRL	BRL	BRL	BRL	BRL
4/16/99	BRL	BRL	BRL	BRL	BRL	BRL
4/17/99	BRL	BRL	BRL	BRL	BRL	BRL
4/18/99	BRL	BRL	BRL	BRL	BRL	BRL
4/19/99	BRL	BRL	BRL	BRL	BRL	BRL
4/20/99	BRL	BRL	BRL	BRL	BRL	BRL
4/21/99	BRL	BRL	BRL	BRL	BRL	BRL
4/22/99	BRL	BRL	BRL	BRL	BRL	BRL
4/23/99	BRL	BRL	BRL	BRL	BRL	BRL
4/24/99	BRL	BRL	BRL	BRL	BRL	BRL
4/25/99	BRL	BRL	BRL	BRL	No Sample	No Sample
4/26/99	BRL	BRL	BRL	BRL	BRL	BRL
4/27/99	BRL	BRL	BRL	BRL	BRL	BRL
4/28/99	BRL	BRL	BRL	BRL	0.886	0.181
4/29/99	BRL	BRL	BRL	BRL	BRL	BRL
4/30/99	Power Failure	Power Failure	BRL	BRL	BRL	BRL
5/1/99	Power Failure	Power Failure	BRL	BRL	BRL	BRL
5/2/99	Power Failure	Power Failure	BRL	BRL	No Sample	No Sample
5/3/99	Power Failure	Power Failure	BRL	BRL	No Sample	No Sample
5/4/99	Power Failure	Power Failure	BRL	BRL	No Sample	No Sample
5/5/99	BRL	BRL	BRL	BRL	BRL	BRL
5/6/99	BRL	BRL	BRL	BRL	BRL	BRL
5/7/99	BRL	BRL	BRL	BRL	BRL	BRL
5/8/99	BRL	BRL	BRL	BRL	BRL	BRL
5/9/99	BRL	BRL	BRL	BRL	BRL	BRL
5/10/99	BRL	BRL	BRL	BRL	BRL	BRL
5/11/99	BRL	BRL	BRL	BRL	BRL	BRL
5/12/99	BRL	BRL	BRL	BRL	BRL	BRL
5/13/99	BRL	BRL	BRL	BRL	BRL	BRL
5/14/99	BRL	BRL	BRL	BRL	BRL	BRL
5/15/99	BRL	BRL	BRL	BRL	BRL	BRL
5/16/99	BRL	BRL	BRL	BRL	BRL	BRL
5/17/99	BRL	BRL	BRL	BRL	BRL	BRL
5/18/99	BRL	BRL	BRL	BRL	BRL	BRL
Average	0.488	0.100	0.488	0.100	0.500	0.103

Averages calculated using the BRL value = 0.1ppb (0.488ug/m3)

Table 4.3.11 Canister Result for Methyl Chloroform

Date	MC1	MC1	MC2	MC2	MC3	MC3
	ug/m3	ppb	ug/m3	ppb	ug/m3	ppb
4/13/99	BRL	BRL	BRL	BRL	BRL	BRL
4/14/99	BRL	BRL	BRL	BRL	BRL	BRL
4/15/99	BRL	BRL	BRL	BRL	BRL	BRL
4/16/99	BRL	BRL	BRL	BRL	BRL	BRL
4/17/99	BRL	BRL	BRL	BRL	BRL	BRL
4/18/99	BRL	BRL	BRL	BRL	BRL	BRL
4/19/99	BRL	BRL	BRL	BRL	BRL	BRL
4/20/99	BRL	BRL	BRL	BRL	BRL	BRL
4/21/99	BRL	BRL	BRL	BRL	BRL	BRL
4/22/99	BRL	BRL	BRL	BRL	BRL	BRL
4/23/99	BRL	BRL	BRL	BRL	BRL	BRL
4/24/99	BRL	BRL	BRL	BRL	BRL	BRL
4/25/99	BRL	BRL	BRL	BRL	No Sample	No Sample
4/26/99	BRL	BRL	BRL	BRL	BRL	BRL
4/27/99	BRL	BRL	BRL	BRL	BRL	BRL
4/28/99	0.820	0.150	BRL	BRL	1.252	0.229
4/29/99	BRL	BRL	BRL	BRL	BRL	BRL
4/30/99	Power Failure	Power Failure	BRL	BRL	BRL	BRL
5/1/99	Power Failure	Power Failure	BRL	BRL	BRL	BRL
5/2/99	Power Failure	Power Failure	BRL	BRL	No Sample	No Sample
5/3/99	Power Failure	Power Failure	BRL	BRL	No Sample	No Sample
5/4/99	Power Failure	Power Failure	BRL	BRL	No Sample	No Sample
5/5/99	BRL	BRL	BRL	BRL	BRL	BRL
5/6/99	BRL	BRL	BRL	BRL	BRL	BRL
5/7/99	BRL	BRL	BRL	BRL	BRL	BRL
5/8/99	BRL	BRL	BRL	BRL	BRL	BRL
5/9/99	BRL	BRL	BRL	BRL	BRL	BRL
5/10/99	BRL	BRL	BRL	BRL	BRL	BRL
5/11/99	BRL	BRL	BRL	BRL	BRL	BRL
5/12/99	BRL	BRL	BRL	BRL	BRL	BRL
5/13/99	BRL	BRL	BRL	BRL	BRL	BRL
5/14/99	BRL	BRL	BRL	BRL	BRL	BRL
5/15/99	BRL	BRL	BRL	BRL	BRL	BRL
5/16/99	BRL	BRL	BRL	BRL	BRL	BRL
5/17/99	BRL	BRL	BRL	BRL	BRL	BRL
5/18/99	BRL	BRL	BRL	BRL	BRL	BRL
Average	0.555	0.102	0.546	0.100	0.568	0.104

Averages calculated using the BRL value = 0.1ppb (0.546ug/m3)

Table 4.3.12 Canister Result for 1,2-Dichloroethane

Date	MC1 ug/m3	MC1 ppb	MC2 ug/m3	MC2 ppb	MC3 ug/m3	MC3 ppb
4/13/99	BRL	BRL	BRL	BRL	BRL	BRL
4/14/99	BRL	BRL	BRL	BRL	BRL	BRL
4/15/99	BRL	BRL	BRL	BRL	BRL	BRL
4/16/99	BRL	BRL	BRL	BRL	BRL	BRL
4/17/99	BRL	BRL	BRL	BRL	BRL	BRL
4/18/99	BRL	BRL	BRL	BRL	BRL	BRL
4/19/99	BRL	BRL	BRL	BRL	BRL	BRL
4/20/99	BRL	BRL	BRL	BRL	BRL	BRL
4/21/99	BRL	BRL	BRL	BRL	BRL	BRL
4/22/99	2.705	0.667	BRL	BRL	BRL	BRL
4/23/99	BRL	BRL	BRL	BRL	BRL	BRL
4/24/99	BRL	BRL	BRL	BRL	BRL	BRL
4/25/99	BRL	BRL	BRL	BRL	No Sample	No Sample
4/26/99	BRL	BRL	BRL	BRL	BRL	BRL
4/27/99	BRL	BRL	BRL	BRL	BRL	BRL
4/28/99	BRL	BRL	BRL	BRL	0.726	0.179
4/29/99	BRL	BRL	BRL	BRL	BRL	BRL
4/30/99	Power Failure	Power Failure	BRL	BRL	BRL	BRL
5/1/99	Power Failure	Power Failure	BRL	BRL	BRL	BRL
5/2/99	Power Failure	Power Failure	BRL	BRL	No Sample	No Sample
5/3/99	Power Failure	Power Failure	BRL	BRL	No Sample	No Sample
5/4/99	Power Failure	Power Failure	BRL	BRL	No Sample	No Sample
5/5/99	BRL	BRL	BRL	BRL	BRL	BRL
5/6/99	BRL	BRL	BRL	BRL	BRL	BRL
5/7/99	BRL	BRL	BRL	BRL	BRL	BRL
5/8/99	BRL	BRL	BRL	BRL	BRL	BRL
5/9/99	BRL	BRL	BRL	BRL	BRL	BRL
5/10/99	BRL	BRL	BRL	BRL	BRL	BRL
5/11/99	BRL	BRL	BRL	BRL	BRL	BRL
5/12/99	BRL	BRL	BRL	BRL	BRL	BRL
5/13/99	BRL	BRL	BRL	BRL	BRL	BRL
5/14/99	BRL	BRL	BRL	BRL	BRL	BRL
5/15/99	BRL	BRL	BRL	BRL	BRL	BRL
5/16/99	BRL	BRL	BRL	BRL	BRL	BRL
5/17/99	BRL	BRL	BRL	BRL	BRL	BRL
5/18/99	BRL	BRL	BRL	BRL	BRL	BRL
Average	0.481	0.119	0.405	0.100	0.415	0.103

Averages calculated using the BRL value = 0.1ppb (0.405ug/m3)

Table 4.3.13 Canister Result for Benzene

Date	MC1 ug/m3	MC1 ppb	MC2 ug/m3	MC2 ppb	MC3 ug/m3	MC3 ppb
4/13/99	0.858	0.268	0.919	0.287	0.877	0.274
4/14/99	0.874	0.273	0.583	0.182	0.765	0.239
4/15/99	0.759	0.237	0.410	0.128	0.445	0.139
4/16/99	0.631	0.197	0.528	0.165	0.487	0.152
4/17/99	0.653	0.204	0.573	0.179	0.660	0.206
4/18/99	0.695	0.217	0.410	0.128	1.312	0.216
4/19/99	0.698	0.218	0.634	0.198	0.746	0.233
4/20/99	3.214	1.004	1.111	0.347	0.890	0.278
4/21/99	0.983	0.122	0.365	0.114	0.413	0.129
4/22/99	1.380	0.431	1.111	0.347	0.778	0.243
4/23/99	0.845	0.264	0.647	0.202	0.717	0.224
4/24/99	0.576	0.180	0.532	0.166	0.804	0.251
4/25/99	0.983	0.307	0.951	0.297	No Sample	No Sample
4/26/99	0.419	0.131	0.519	0.162	0.986	0.308
4/27/99	0.618 (EE)	0.193 (EE)	0.589 (EE)	0.184 (EE)	BRL	BRL
4/28/99	1.085 (EE)	0.339 (EE)	0.400 (EE)	0.125 (EE)	2.014 (EE)	0.629 (EE)
4/29/99	0.541 (EE)	0.169 (EE)	0.384 (EE)	0.120 (EE)	0.599 (EE)	0.187 (EE)
4/30/99	Power Failure	Power Failure	0.759 (EE)	0.237 (EE)	0.589 (EE)	0.184 (EE)
5/1/99	Power Failure	Power Failure	0.685	0.214	0.880	0.275
5/2/99	Power Failure	Power Failure	1.037	0.324	No Sample	No Sample
5/3/99	Power Failure	Power Failure	0.858	0.268	No Sample	No Sample
5/4/99	Power Failure	Power Failure	0.375 (EE)	0.117 (EE)	No Sample	No Sample
5/5/99	0.3714	0.116	0.375	0.117	BRL	BRL
5/6/99	BRL	BRL	BRL	BRL	BRL	BRL
5/7/99	0.371	0.116	BRL	BRL	BRL	BRL
5/8/99	0.631	0.197	BRL	BRL	BRL	BRL
5/9/99	0.544	0.170	0.400	0.125	0.381	0.119
5/10/99	0.564	0.176	0.826	0.258	0.756	0.236
5/11/99	0.695 (EE)	0.217(EE)	0.621 (EE)	0.194 (EE)	0.756 (EE)	0.236 (EE)
5/12/99	1.406	0.439	2.568	0.802	1.329	0.415
5/13/99	1.053	0.329	1.329	0.415	0.88	0.275
5/14/99	BRL	BRL	1.143	0.357	0.528	0.165
5/15/99	0.528	0.165	0.509(EE)	0.159 (EE)	0.499	0.156
5/16/99	0.455	0.142	0.464	0.145	0.506	0.158
5/17/99	0.807	0.252	0.432	0.135	0.746	0.233
5/18/99	0.749	0.234	0.628	0.196	0.672	0.210
Average	0.803	0.244	0.724	0.226	0.666	0.208

Averages calculated using the BRL value = 0.1ppb (0.319ug/m3)

Table 4.3.14 Canister Result for Carbon Tetrachloride

Date	MC1 ug/m3	MC1 ppb	MC2 ug/m3	MC2 ppb	MC3 ug/m3	MC3 ppb
4/13/99	0.637	0.101	0.687	0.109	0.681	0.108
4/14/99	0.649	0.103	0.668	0.106	0.693	0.110
4/15/99	BRL	BRL	0.637	0.101	0.637	0.101
4/16/99	0.630	0.100	BRL	BRL	BRL	BRL
4/17/99	BRL	BRL	0.668	0.106	0.687	0.109
4/18/99	0.681	0.108	0.637	0.101	0.656	0.104
4/19/99	0.687	0.109	0.681	0.108	0.668	0.106
4/20/99	0.662	0.105	0.675	0.107	0.656	0.104
4/21/99	0.687	0.103	0.744	0.118	0.687	0.109
4/22/99	0.712	0.113	0.700	0.111	0.687	0.109
4/23/99	0.687	0.109	0.706	0.112	0.700	0.111
4/24/99	0.656	0.104	0.694	0.110	0.681	0.108
4/25/99	0.687	0.109	0.662	0.105	No Sample	No Sample
4/26/99	0.643	0.102	0.694	0.110	0.838	0.113
4/27/99	0.643	0.102	0.719	0.114	BRL	BRL
4/28/99	0.706	0.112	0.694	0.110	0.681	0.108
4/29/99	0.731	0.116	0.700	0.111	0.725	0.115
4/30/99	Power Failure	Power Failure	0.719	0.114	0.687	0.109
5/1/99	Power Failure	Power Failure	0.630	0.100	0.649	0.103
5/2/99	Power Failure	Power Failure	BRL	BRL	No Sample	No Sample
5/3/99	Power Failure	Power Failure	0.643	0.102	No Sample	No Sample
5/4/99	Power Failure	Power Failure	0.712	0.113	No Sample	No Sample
5/5/99	0.838	0.113	0.687	0.109	BRL	BRL
5/6/99	BRL	BRL	0.662	0.105	0.643	0.102
5/7/99	0.668	0.106	0.675	0.107	0.643	0.102
5/8/99	0.694	0.110	0.662	0.105	BRL	BRL
5/9/99	0.656	0.104	2.522	0.106	0.649	0.103
5/10/99	0.637	0.101	0.662	0.105	0.649	0.103
5/11/99	BRL	BRL	BRL	BRL	BRL	BRL
5/12/99	0.643	0.102	BRL	BRL	0.649	0.103
5/13/99	0.630	0.100	BRL	BRL	0.637	0.101
5/14/99	BRL	BRL	0.630	0.100	0.630	0.100
5/15/99	BRL	BRL	0.643	0.102	0.981	0.156
5/16/99	BRL	BRL	BRL	BRL	BRL	BRL
5/17/99	BRL	BRL	BRL	BRL	BRL	BRL
5/18/99	BRL	BRL	0.630	0.100	BRL	BRL
Average	0.662	0.104	0.718	0.106	0.662	0.106

Averages calculated using the BRL value = 0.1ppb (0.629ug/m3)

Table 4.3.15 Canister Result for 1,2-Dichloropropane

Date	MC1 ug/m3	MC1 ppb	MC2 ug/m3	MC2 ppb	MC3 ug/m3	MC3 ppb
4/13/99	BRL	BRL	BRL	BRL	BRL	BRL
4/14/99	BRL	BRL	BRL	BRL	BRL	BRL
4/15/99	BRL	BRL	BRL	BRL	BRL	BRL
4/16/99	BRL	BRL	BRL	BRL	BRL	BRL
4/17/99	BRL	BRL	BRL	BRL	BRL	BRL
4/18/99	BRL	BRL	BRL	BRL	BRL	BRL
4/19/99	BRL	BRL	BRL	BRL	BRL	BRL
4/20/99	BRL	BRL	BRL	BRL	BRL	BRL
4/21/99	BRL	BRL	BRL	BRL	BRL	BRL
4/22/99	BRL	BRL	BRL	BRL	BRL	BRL
4/23/99	BRL	BRL	BRL	BRL	BRL	BRL
4/24/99	BRL	BRL	BRL	BRL	BRL	BRL
4/25/99	BRL	BRL	BRL	BRL	No Sample	No Sample
4/26/99	BRL	BRL	BRL	BRL	BRL	BRL
4/27/99	BRL	BRL	BRL	BRL	BRL	BRL
4/28/99	BRL	BRL	BRL	BRL	1.158	0.25
4/29/99	BRL	BRL	BRL	BRL	BRL	BRL
4/30/99	Power Failure	Power Failure	BRL	BRL	BRL	BRL
5/1/99	Power Failure	Power Failure	BRL	BRL	BRL	BRL
5/2/99	Power Failure	Power Failure	BRL	BRL	No Sample	No Sample
5/3/99	Power Failure	Power Failure	BRL	BRL	No Sample	No Sample
5/4/99	Power Failure	Power Failure	BRL	BRL	No Sample	No Sample
5/5/99	BRL	BRL	BRL	BRL	BRL	BRL
5/6/99	BRL	BRL	BRL	BRL	BRL	BRL
5/7/99	BRL	BRL	BRL	BRL	BRL	BRL
5/8/99	BRL	BRL	BRL	BRL	BRL	BRL
5/9/99	BRL	BRL	BRL	BRL	BRL	BRL
5/10/99	BRL	BRL	BRL	BRL	BRL	BRL
5/11/99	BRL	BRL	BRL	BRL	BRL	BRL
5/12/99	BRL	BRL	BRL	BRL	BRL	BRL
5/13/99	BRL	BRL	BRL	BRL	BRL	BRL
5/14/99	BRL	BRL	BRL	BRL	BRL	BRL
5/15/99	BRL	BRL	BRL	BRL	BRL	BRL
5/16/99	BRL	BRL	BRL	BRL	BRL	BRL
5/17/99	BRL	BRL	BRL	BRL	BRL	BRL
5/18/99	BRL	BRL	BRL	BRL	BRL	BRL
Average	0.462	0.100	0.462	0.100	0.484	0.105

Averages calculated using the BRL value = 0.1ppb (0.462ug/m3)

Table 4.3.16 Canister Result for Trichloroethene

Date	MC1 ug/m3	MC1 ppb	MC2 ug/m3	MC2 ppb	MC3 ug/m3	MC3 ppb
4/13/99	BRL	BRL	1.012	0.188	BRL	BRL
4/14/99	BRL	BRL	BRL	BRL	BRL	BRL
4/15/99	BRL	BRL	BRL	BRL	BRL	BRL
4/16/99	BRL	BRL	BRL	BRL	BRL	BRL
4/17/99	BRL	BRL	BRL	BRL	BRL	BRL
4/18/99	BRL	BRL	BRL	BRL	BRL	BRL
4/19/99	BRL	BRL	BRL	BRL	BRL	BRL
4/20/99	BRL	BRL	BRL	BRL	BRL	BRL
4/21/99	BRL	BRL	BRL	BRL	BRL	BRL
4/22/99	BRL	BRL	BRL	BRL	BRL	BRL
4/23/99	BRL	BRL	BRL	BRL	BRL	BRL
4/24/99	BRL	BRL	BRL	BRL	BRL	BRL
4/25/99	BRL	BRL	BRL	BRL	No Sample	No Sample
4/26/99	BRL	BRL	BRL	BRL	BRL	BRL
4/27/99	BRL	BRL	BRL	BRL	BRL	BRL
4/28/99	BRL	BRL	BRL	BRL	4.966	0.923
4/29/99	BRL	BRL	BRL	BRL	BRL	BRL
4/30/99	Power Failure	Power Failure	BRL	BRL	BRL	BRL
5/1/99	Power Failure	Power Failure	BRL	BRL	BRL	BRL
5/2/99	Power Failure	Power Failure	BRL	BRL	No Sample	No Sample
5/3/99	Power Failure	Power Failure	BRL	BRL	No Sample	No Sample
5/4/99	Power Failure	Power Failure	BRL	BRL	No Sample	No Sample
5/5/99	BRL	BRL	BRL	BRL	BRL	BRL
5/6/99	BRL	BRL	BRL	BRL	BRL	BRL
5/7/99	BRL	BRL	BRL	BRL	BRL	BRL
5/8/99	BRL	BRL	BRL	BRL	BRL	BRL
5/9/99	BRL	BRL	BRL	BRL	BRL	BRL
5/10/99	BRL	BRL	BRL	BRL	BRL	BRL
5/11/99	BRL	BRL	BRL	BRL	BRL	BRL
5/12/99	BRL	BRL	BRL	BRL	BRL	BRL
5/13/99	BRL	BRL	BRL	BRL	BRL	BRL
5/14/99	BRL	BRL	BRL	BRL	BRL	BRL
5/15/99	BRL	BRL	BRL	BRL	BRL	BRL
5/16/99	BRL	BRL	BRL	BRL	BRL	BRL
5/17/99	BRL	BRL	BRL	BRL	BRL	BRL
5/18/99	BRL	BRL	BRL	BRL	BRL	BRL
Average	0.537	0.100	0.550	0.102	0.675	0.126

Averages calculated using the BRL value = 0.1ppb (0.537ug/m3)

Table 4.3.17 Canister Result for cis-1,3-Dichloropropene

Date	MC1 ug/m3	MC1 ppb	MC2 ug/m3	MC2 ppb	MC3 ug/m3	MC3 ppb
4/13/99	BRL	BRL	BRL	BRL	BRL	BRL
4/14/99	BRL	BRL	BRL	BRL	BRL	BRL
4/15/99	BRL	BRL	BRL	BRL	BRL	BRL
4/16/99	BRL	BRL	BRL	BRL	BRL	BRL
4/17/99	BRL	BRL	BRL	BRL	BRL	BRL
4/18/99	BRL	BRL	BRL	BRL	BRL	BRL
4/19/99	BRL	BRL	BRL	BRL	BRL	BRL
4/20/99	BRL	BRL	BRL	BRL	BRL	BRL
4/21/99	BRL	BRL	BRL	BRL	BRL	BRL
4/22/99	2.533	0.557	BRL	BRL	BRL	BRL
4/23/99	BRL	BRL	BRL	BRL	BRL	BRL
4/24/99	BRL	BRL	BRL	BRL	BRL	BRL
4/25/99	BRL	BRL	BRL	BRL	No Sample	No Sample
4/26/99	BRL	BRL	BRL	BRL	BRL	BRL
4/27/99	BRL	BRL	BRL	BRL	BRL	BRL
4/28/99	BRL	BRL	BRL	BRL	BRL	BRL
4/29/99	BRL	BRL	BRL	BRL	BRL	BRL
4/30/99	Power Failure	Power Failure	BRL	BRL	BRL	BRL
5/1/99	Power Failure	Power Failure	BRL	BRL	BRL	BRL
5/2/99	Power Failure	Power Failure	BRL	BRL	No Sample	No Sample
5/3/99	Power Failure	Power Failure	BRL	BRL	No Sample	No Sample
5/4/99	Power Failure	Power Failure	BRL	BRL	No Sample	No Sample
5/5/99	BRL	BRL	BRL	BRL	BRL	BRL
5/6/99	BRL	BRL	BRL	BRL	BRL	BRL
5/7/99	BRL	BRL	BRL	BRL	BRL	BRL
5/8/99	BRL	BRL	BRL	BRL	BRL	BRL
5/9/99	BRL	BRL	BRL	BRL	BRL	BRL
5/10/99	BRL	BRL	BRL	BRL	BRL	BRL
5/11/99	BRL	BRL	BRL	BRL	BRL	BRL
5/12/99	BRL	BRL	BRL	BRL	BRL	BRL
5/13/99	BRL	BRL	BRL	BRL	BRL	BRL
5/14/99	BRL	BRL	BRL	BRL	BRL	BRL
5/15/99	BRL	BRL	BRL	BRL	BRL	BRL
5/16/99	BRL	BRL	BRL	BRL	BRL	BRL
5/17/99	BRL	BRL	BRL	BRL	BRL	BRL
5/18/99	BRL	BRL	BRL	BRL	BRL	BRL
Average	0.521	0.115	0.454	0.100	0.454	0.100

Averages calculated using the BRL value = 0.1ppb (0.454ug/m3)

Table 4.3.18 Canister Result for Toluene

Date	MC1 ug/m3	MC1 ppb	MC2 ug/m3	MC2 ppb	MC3 ug/m3	MC3 ppb
4/13/99	5.121	1.356	2.481	0.657	2.021	0.535
4/14/99	2.292	0.607	0.668	0.177	1.382	0.366
4/15/99	1.477	0.391	BRL	BRL	BRL	BRL
4/16/99	0.835	0.221	0.774	0.205	0.566	0.150
4/17/99	0.710	0.188	0.869	0.230	1.057	0.280
4/18/99	1.076	0.285	BRL	BRL	0.778	0.206
4/19/99	0.899	0.238	0.808	0.214	1.284	0.340
4/20/99	0.835	0.221	0.449	0.119	0.759	0.201
4/21/99	2.504	0.143	0.529	0.140	0.653	0.173
4/22/99	2.368	0.627	1.658	0.439	1.541	0.408
4/23/99	1.039	0.275	0.770	0.204	0.854	0.226
4/24/99	0.808	0.214	0.865	0.229	1.039	0.275
4/25/99	2.504	0.663	1.941	0.514	No Sample	No Sample
4/26/99	BRL	BRL	0.593	0.157	1.466	0.388
4/27/99	1.311	0.347	1.235	0.327	BRL	BRL
4/28/99	2.946	0.780	0.812	0.215	3.535	0.936
4/29/99	0.861	0.228	0.438	0.116	0.948	0.251
4/30/99	Power Failure	Power Failure	2.104	0.557	0.601	0.159
5/1/99	Power Failure	Power Failure	2.723	0.721	1.975	0.523
5/2/99	Power Failure	Power Failure	1.987	0.526	No Sample	No Sample
5/3/99	Power Failure	Power Failure	1.896	0.502	No Sample	No Sample
5/4/99	Power Failure	Power Failure	BRL	BRL	No Sample	No Sample
5/5/99	BRL	BRL	BRL	BRL	BRL	BRL
5/6/99	BRL	BRL	BRL	BRL	BRL	BRL
5/7/99	0.472	0.125	BRL	BRL	BRL	BRL
5/8/99	1.896	0.502	BRL	BRL	BRL	BRL
5/9/99	0.838	0.222	0.608	0.161	0.612	0.162
5/10/99	0.797	0.211	1.567	0.415	1.677	0.444
5/11/99	1.125	0.298	1.069	0.283	1.394	0.369
5/12/99	3.146	0.833	1.107	0.293	2.938	0.778
5/13/99	1.971	0.522	3.255	0.862	1.873	0.496
5/14/99	BRL	BRL	1.888	0.500	0.431	0.114
5/15/99	0.461	0.122	0.438	0.116	0.393	0.104
5/16/99	0.404	0.107	0.453	0.120	0.487	0.129
5/17/99	0.865	0.229	0.378	0.100	1.042	0.276
5/18/99	2.685	0.711	0.959	0.254	3.036	0.804
Average	1.411	0.357	1.054	0.279	1.144	0.303

Averages calculated using the BRL value = 0.1ppb (0.377ug/m3)

Table 4.3.19 Canister Result for 1,1,2-Trichloroethane

Date	MC1 ug/m3	MC1 ppb	MC2 ug/m3	MC2 ppb	MC3 ug/m3	MC3 ppb
4/13/99	BRL	BRL	BRL	BRL	BRL	BRL
4/14/99	BRL	BRL	BRL	BRL	BRL	BRL
4/15/99	BRL	BRL	BRL	BRL	BRL	BRL
4/16/99	BRL	BRL	BRL	BRL	BRL	BRL
4/17/99	BRL	BRL	BRL	BRL	BRL	BRL
4/18/99	BRL	BRL	BRL	BRL	BRL	BRL
4/19/99	BRL	BRL	BRL	BRL	BRL	BRL
4/20/99	BRL	BRL	BRL	BRL	BRL	BRL
4/21/99	BRL	BRL	BRL	BRL	BRL	BRL
4/22/99	1.531	0.280	BRL	BRL	BRL	BRL
4/23/99	BRL	BRL	BRL	BRL	BRL	BRL
4/24/99	BRL	BRL	BRL	BRL	BRL	BRL
4/25/99	BRL	BRL	BRL	BRL	No Sample	No Sample
4/26/99	BRL	BRL	BRL	BRL	BRL	BRL
4/27/99	BRL	BRL	BRL	BRL	BRL	BRL
4/28/99	BRL	BRL	BRL	BRL	1.312	0.24
4/29/99	BRL	BRL	BRL	BRL	BRL	BRL
4/30/99	Power Failure	Power Failure	BRL	BRL	BRL	BRL
5/1/99	Power Failure	Power Failure	BRL	BRL	BRL	BRL
5/2/99	Power Failure	Power Failure	BRL	BRL	No Sample	No Sample
5/3/99	Power Failure	Power Failure	BRL	BRL	No Sample	No Sample
5/4/99	Power Failure	Power Failure	BRL	BRL	No Sample	No Sample
5/5/99	BRL	BRL	BRL	BRL	BRL	BRL
5/6/99	BRL	BRL	BRL	BRL	BRL	BRL
5/7/99	BRL	BRL	BRL	BRL	BRL	BRL
5/8/99	BRL	BRL	BRL	BRL	BRL	BRL
5/9/99	BRL	BRL	BRL	BRL	BRL	BRL
5/10/99	BRL	BRL	BRL	BRL	BRL	BRL
5/11/99	BRL	BRL	BRL	BRL	BRL	BRL
5/12/99	BRL	BRL	BRL	BRL	BRL	BRL
5/13/99	BRL	BRL	BRL	BRL	BRL	BRL
5/14/99	BRL	BRL	BRL	BRL	BRL	BRL
5/15/99	BRL	BRL	BRL	BRL	BRL	BRL
5/16/99	BRL	BRL	BRL	BRL	BRL	BRL
5/17/99	BRL	BRL	BRL	BRL	BRL	BRL
5/18/99	BRL	BRL	BRL	BRL	BRL	BRL
Average	0.578	0.106	0.546	0.100	0.570	0.104

Averages calculated using the BRL value = 0.1ppb (0.546ug/m3)

Table 4.3.20 Canister Result for 1,2-Dibromoethane

Date	MC1 ug/m3	MC1 ppb	MC2 ug/m3	MC2 ppb	MC3 ug/m3	MC3 ppb
4/13/99	BRL	BRL	BRL	BRL	BRL	BRL
4/14/99	BRL	BRL	BRL	BRL	BRL	BRL
4/15/99	BRL	BRL	BRL	BRL	BRL	BRL
4/16/99	BRL	BRL	BRL	BRL	BRL	BRL
4/17/99	BRL	BRL	BRL	BRL	BRL	BRL
4/18/99	BRL	BRL	BRL	BRL	BRL	BRL
4/19/99	BRL	BRL	BRL	BRL	BRL	BRL
4/20/99	BRL	BRL	BRL	BRL	BRL	BRL
4/21/99	BRL	BRL	BRL	BRL	BRL	BRL
4/22/99	3.935	0.511	BRL	BRL	BRL	BRL
4/23/99	BRL	BRL	BRL	BRL	BRL	BRL
4/24/99	BRL	BRL	BRL	BRL	BRL	BRL
4/25/99	BRL	BRL	BRL	BRL	No Sample	No Sample
4/26/99	BRL	BRL	BRL	BRL	BRL	BRL
4/27/99	BRL	BRL	BRL	BRL	BRL	BRL
4/28/99	BRL	BRL	BRL	BRL	1.063	0.138
4/29/99	BRL	BRL	BRL	BRL	BRL	BRL
4/30/99	Power Failure	Power Failure	BRL	BRL	BRL	BRL
5/1/99	Power Failure	Power Failure	BRL	BRL	BRL	BRL
5/2/99	Power Failure	Power Failure	BRL	BRL	No Sample	No Sample
5/3/99	Power Failure	Power Failure	BRL	BRL	No Sample	No Sample
5/4/99	Power Failure	Power Failure	BRL	BRL	No Sample	No Sample
5/5/99	BRL	BRL	BRL	BRL	BRL	BRL
5/6/99	BRL	BRL	BRL	BRL	BRL	BRL
5/7/99	BRL	BRL	BRL	BRL	BRL	BRL
5/8/99	BRL	BRL	BRL	BRL	BRL	BRL
5/9/99	BRL	BRL	BRL	BRL	BRL	BRL
5/10/99	BRL	BRL	BRL	BRL	BRL	BRL
5/11/99	BRL	BRL	BRL	BRL	BRL	BRL
5/12/99	BRL	BRL	BRL	BRL	BRL	BRL
5/13/99	BRL	BRL	BRL	BRL	BRL	BRL
5/14/99	BRL	BRL	BRL	BRL	BRL	BRL
5/15/99	BRL	BRL	BRL	BRL	BRL	BRL
5/16/99	BRL	BRL	BRL	BRL	BRL	BRL
5/17/99	BRL	BRL	BRL	BRL	BRL	BRL
5/18/99	BRL	BRL	BRL	BRL	BRL	BRL
Average	0.871	0.113	0.769	0.100	0.778	0.101

Averages calculated using the BRL value = 0.1ppb (0.769ug/m3)

Table 4.3.21 Canister Result for Tetrachloroethene

Date	MC1 ug/m3	MC1 ppb	MC2 ug/m3	MC2 ppb	MC3 ug/m3	MC3 ppb
4/13/99	BRL	BRL	BRL	BRL	BRL	BRL
4/14/99	BRL	BRL	BRL	BRL	BRL	BRL
4/15/99	BRL	BRL	BRL	BRL	BRL	BRL
4/16/99	BRL	BRL	BRL	BRL	BRL	BRL
4/17/99	BRL	BRL	BRL	BRL	BRL	BRL
4/18/99	BRL	BRL	BRL	BRL	BRL	BRL
4/19/99	BRL	BRL	BRL	BRL	BRL	BRL
4/20/99	BRL	BRL	BRL	BRL	BRL	BRL
4/21/99	BRL	BRL	BRL	BRL	BRL	BRL
4/22/99	BRL	BRL	BRL	BRL	BRL	BRL
4/23/99	BRL	BRL	BRL	BRL	BRL	BRL
4/24/99	BRL	BRL	BRL	BRL	BRL	BRL
4/25/99	BRL	BRL	BRL	BRL	No Sample	No Sample
4/26/99	BRL	BRL	BRL	BRL	BRL	BRL
4/27/99	BRL	BRL	BRL	BRL	BRL	BRL
4/28/99	BRL	BRL	BRL	BRL	1.128	0.166
4/29/99	BRL	BRL	BRL	BRL	BRL	BRL
4/30/99	Power Failure	Power Failure	BRL	BRL	BRL	BRL
5/1/99	Power Failure	Power Failure	BRL	BRL	BRL	BRL
5/2/99	Power Failure	Power Failure	BRL	BRL	No Sample	No Sample
5/3/99	Power Failure	Power Failure	BRL	BRL	No Sample	No Sample
5/4/99	Power Failure	Power Failure	BRL	BRL	No Sample	No Sample
5/5/99	BRL	BRL	BRL	BRL	BRL	BRL
5/6/99	BRL	BRL	BRL	BRL	BRL	BRL
5/7/99	BRL	BRL	BRL	BRL	BRL	BRL
5/8/99	BRL	BRL	BRL	BRL	BRL	BRL
5/9/99	BRL	BRL	BRL	BRL	BRL	BRL
5/10/99	BRL	BRL	BRL	BRL	BRL	BRL
5/11/99	BRL	BRL	BRL	BRL	BRL	BRL
5/12/99	BRL	BRL	BRL	BRL	BRL	BRL
5/13/99	BRL	BRL	BRL	BRL	BRL	BRL
5/14/99	BRL	BRL	BRL	BRL	BRL	BRL
5/15/99	BRL	BRL	BRL	BRL	BRL	BRL
5/16/99	BRL	BRL	BRL	BRL	BRL	BRL
5/17/99	BRL	BRL	BRL	BRL	BRL	BRL
5/18/99	BRL	BRL	BRL	BRL	BRL	BRL
Average	0.680	0.100	0.680	0.100	0.694	0.102

Averages calculated using the BRL value = 0.1ppb (0.680ug/m3)

Table 4.3.22 Canister Result for Chlorobenzene

Date	MC1 ug/m3	MC1 ppb	MC2 ug/m3	MC2 ppb	MC3 ug/m3	MC3 ppb
4/13/99	BRL	BRL	BRL	BRL	BRL	BRL
4/14/99	BRL	BRL	BRL	BRL	BRL	BRL
4/15/99	BRL	BRL	BRL	BRL	BRL	BRL
4/16/99	BRL	BRL	BRL	BRL	BRL	BRL
4/17/99	BRL	BRL	BRL	BRL	BRL	BRL
4/18/99	BRL	BRL	BRL	BRL	BRL	BRL
4/19/99	BRL	BRL	BRL	BRL	BRL	BRL
4/20/99	BRL	BRL	BRL	BRL	BRL	BRL
4/21/99	BRL	BRL	BRL	BRL	BRL	BRL
4/22/99	0.637	0.138	BRL	BRL	BRL	BRL
4/23/99	BRL	BRL	BRL	BRL	BRL	BRL
4/24/99	BRL	BRL	BRL	BRL	BRL	BRL
4/25/99	BRL	BRL	BRL	BRL	No Sample	No Sample
4/26/99	BRL	BRL	BRL	BRL	BRL	BRL
4/27/99	BRL	BRL	BRL	BRL	BRL	BRL
4/28/99	BRL	BRL	BRL	BRL	1.679	0.364
4/29/99	BRL	BRL	BRL	BRL	BRL	BRL
4/30/99	Power Failure	Power Failure	BRL	BRL	BRL	BRL
5/1/99	Power Failure	Power Failure	BRL	BRL	BRL	BRL
5/2/99	Power Failure	Power Failure	BRL	BRL	No Sample	No Sample
5/3/99	Power Failure	Power Failure	BRL	BRL	No Sample	No Sample
5/4/99	Power Failure	Power Failure	BRL	BRL	No Sample	No Sample
5/5/99	BRL	BRL	BRL	BRL	BRL	BRL
5/6/99	BRL	BRL	BRL	BRL	BRL	BRL
5/7/99	BRL	BRL	BRL	BRL	BRL	BRL
5/8/99	BRL	BRL	BRL	BRL	BRL	BRL
5/9/99	BRL	BRL	BRL	BRL	BRL	BRL
5/10/99	BRL	BRL	BRL	BRL	BRL	BRL
5/11/99	BRL	BRL	BRL	BRL	BRL	BRL
5/12/99	BRL	BRL	6.076(EE)	1.317(EE)	1.282(EE)	0.278(EE)
5/13/99	0.641(EE)	0.139(EE)	6.076(EE)	1.317(EE)	BRL	BRL
5/14/99	BRL	BRL	BRL	BRL	BRL	BRL
5/15/99	BRL	BRL	BRL	BRL	BRL	BRL
5/16/99	BRL	BRL	BRL	BRL	BRL	BRL
5/17/99	BRL	BRL	BRL	BRL	BRL	BRL
5/18/99	BRL	BRL	BRL	BRL	BRL	BRL
Average	0.467	0.101	0.461	0.100	0.500	0.109

Averages calculated using the BRL value = 0.1ppb (0.461ug/m3)

Table 4.3.23 Canister Result for Ethylbenzene

Date	MC1 ug/m3	MC1 ppb	MC2 ug/m3	MC2 ppb	MC3 ug/m3	MC3 ppb
4/13/99	0.827	0.190	BRL	BRL	BRL	BRL
4/14/99	BRL	BRL	BRL	BRL	BRL	BRL
4/15/99	BRL	BRL	BRL	BRL	BRL	BRL
4/16/99	BRL	BRL	BRL	BRL	BRL	BRL
4/17/99	BRL	BRL	BRL	BRL	BRL	BRL
4/18/99	BRL	BRL	BRL	BRL	BRL	BRL
4/19/99	BRL	BRL	BRL	BRL	BRL	BRL
4/20/99	BRL	BRL	BRL	BRL	BRL	BRL
4/21/99	1.06	0.244	BRL	BRL	BRL	BRL
4/22/99	1.588	0.365	0.722	0.166	0.609	0.140
4/23/99	BRL	BRL	BRL	BRL	BRL	BRL
4/24/99	0.466	0.107	0.548	0.126	0.605	0.139
4/25/99	1.06	0.244	BRL	BRL	No Sample	No Sample
4/26/99	BRL	BRL	BRL	BRL	BRL	BRL
4/27/99	BRL	BRL	BRL	BRL	BRL	BRL
4/28/99	BRL	BRL	BRL	BRL	3.020	0.694
4/29/99	BRL	BRL	BRL	BRL	BRL	BRL
4/30/99	Power Failure	Power Failure	BRL	BRL	BRL	BRL
5/1/99	Power Failure	Power Failure	BRL	BRL	BRL	BRL
5/2/99	Power Failure	Power Failure	BRL	BRL	No Sample	No Sample
5/3/99	Power Failure	Power Failure	BRL	BRL	No Sample	No Sample
5/4/99	Power Failure	Power Failure	BRL	BRL	No Sample	No Sample
5/5/99	BRL	BRL	BRL	BRL	BRL	BRL
5/6/99	BRL	BRL	BRL	BRL	BRL	BRL
5/7/99	BRL	BRL	BRL	BRL	BRL	BRL
5/8/99	BRL	BRL	BRL	BRL	BRL	BRL
5/9/99	BRL	BRL	BRL	BRL	BRL	BRL
5/10/99	BRL	BRL	BRL	BRL	BRL	BRL
5/11/99	BRL	BRL	BRL	BRL	BRL	BRL
5/12/99	0.627	0.144	BRL	BRL	0.509	0.117
5/13/99	BRL	BRL	0.144	0.144	BRL	BRL
5/14/99	BRL	BRL	BRL	BRL	BRL	BRL
5/15/99	BRL	BRL	BRL	BRL	BRL	BRL
5/16/99	BRL	BRL	BRL	BRL	BRL	BRL
5/17/99	BRL	BRL	BRL	BRL	BRL	BRL
5/18/99	BRL	BRL	BRL	BRL	BRL	BRL
Average	0.532	0.122	0.437	0.104	0.528	0.122

Averages calculated using the BRL value = 0.1ppb (0.434ug/m3)

Table 4.3.24 Canister Result for m,p-Xylene

Date	MC1 ug/m3	MC1 ppb	MC2 ug/m3	MC2 ppb	MC3 ug/m3	MC3 ppb
4/13/99	2.894	0.665	1.053	0.242	1.458	0.335
4/14/99	0.966	0.222	0.770	0.177	BRL	BRL
4/15/99	1.114	0.256	BRL	BRL	BRL	BRL
4/16/99	BRL	BRL	BRL	BRL	BRL	BRL
4/17/99	0.622	0.143	0.674	0.155	0.657	0.151
4/18/99	0.705	0.162	BRL	BRL	0.635	0.146
4/19/99	0.596	0.154	0.596	0.137	0.809	0.186
4/20/99	0.844	0.194	0.513	0.118	0.644	0.148
4/21/99	BRL	BRL	BRL	BRL	BRL	BRL
4/22/99	BRL	BRL	BRL	BRL	BRL	BRL
4/23/99	BRL	BRL	BRL	BRL	BRL	BRL
4/24/99	BRL	BRL	BRL	BRL	BRL	BRL
4/25/99	BRL	BRL	0.775	0.178	No Sample	No Sample
4/26/99	BRL	BRL	BRL	BRL	0.548	0.126
4/27/99	0.618	0.142	BRL	BRL	BRL	BRL
4/28/99	BRL	BRL	BRL	BRL	7.245	1.665
4/29/99	0.457	0.105	BRL	BRL	BRL	BRL
4/30/99	Power Failure	Power Failure	1.201	0.276	BRL	BRL
5/1/99	Power Failure	Power Failure	1.014	0.233	1.162	0.267
5/2/99	Power Failure	Power Failure	1.236	0.284	No Sample	No Sample
5/3/99	Power Failure	Power Failure	1.079	0.248	No Sample	No Sample
5/4/99	Power Failure	Power Failure	BRL	BRL	No Sample	No Sample
5/5/99	BRL	BRL	BRL	BRL	BRL	BRL
5/6/99	BRL	BRL	BRL	BRL	BRL	BRL
5/7/99	BRL	BRL	BRL	BRL	BRL	BRL
5/8/99	0.688	0.158	BRL	BRL	BRL	BRL
5/9/99	BRL	BRL	BRL	BRL	BRL	BRL
5/10/99	BRL	BRL	0.805	0.185	1.097	0.252
5/11/99	0.448	0.103	1.062	0.244	0.953	0.219
5/12/99	2.036	0.468	BRL	BRL	1.710	0.393
5/13/99	1.040	0.239	2.002	0.460	1.010	0.232
5/14/99	BRL	BRL	1.066	0.245	BRL	BRL
5/15/99	BRL	BRL	BRL	BRL	BRL	BRL
5/16/99	BRL	BRL	BRL	BRL	BRL	BRL
5/17/99	0.601	0.138	BRL	BRL	0.644	0.148
5/18/99	0.914	0.210	0.635	0.146	1.062	0.244
Average	0.693	0.160	0.655	0.151	0.858	0.197

Averages calculated using the BRL value = 0.1ppb (0.434ug/m3)

Table 4.3.25 Canister Result for o-Xylene

Date	MC1 ug/m3	MC1 ppb	MC2 ug/m3	MC2 ppb	MC3 ug/m3	MC3 ppb
4/13/99	1.023	0.235	0.434	0.1	0.553	0.127
4/14/99	0.434	0.1	0.434	0.1	0.687	0.158
4/15/99	0.434	0.1	0.434	0.1	0.434	0.1
4/16/99	0.434	0.1	0.434	0.1	0.434	0.1
4/17/99	0.434	0.1	0.434	0.1	0.434	0.1
4/18/99	0.434	0.1	0.434	0.1	0.434	0.1
4/19/99	0.434	0.1	0.434	0.1	0.434	0.1
4/20/99	0.434	0.1	0.434	0.1	0.434	0.1
4/21/99	0.434	0.1	0.434	0.1	0.434	0.1
4/22/99	0.434	0.1	0.434	0.1	0.434	0.1
4/23/99	0.434	0.1	0.434	0.1	0.434	0.1
4/24/99	0.434	0.1	0.434	0.1	0.434	0.1
4/25/99	0.434	0.1	0.434	0.1	No Sample	No Sample
4/26/99	0.434	0.1	0.434	0.1	0.434	0.1
4/27/99	0.434	0.1	0.434	0.1	0.434	0.1
4/28/99	0.434	0.1	0.434	0.1	4.551	1.046
4/29/99	0.434	0.1	0.434	0.1	0.434	0.1
4/30/99	Power Failure	Power Failure	0.434	0.1	0.434	0.1
5/1/99	Power Failure	Power Failure	0.434	0.1	0.434	0.1
5/2/99	Power Failure	Power Failure	0.453	0.104	No Sample	No Sample
5/3/99	Power Failure	Power Failure	0.434	0.1	No Sample	No Sample
5/4/99	Power Failure	Power Failure	0.434	0.1	No Sample	No Sample
5/5/99	0.434	0.1	0.434	0.1	0.434	0.1
5/6/99	0.434	0.1	0.434	0.1	0.434	0.1
5/7/99	0.434	0.1	0.434	0.1	0.434	0.1
5/8/99	0.434	0.1	0.434	0.1	0.434	0.1
5/9/99	0.434	0.1	0.434	0.1	0.434	0.1
5/10/99	0.434	0.1	0.434	0.1	0.434	0.1
5/11/99	0.434	0.1	0.434	0.1	0.434	0.1
5/12/99	0.770	0.177	0.434	0.1	0.653	0.150
5/13/99	0.434	0.1	0.748	0.172	0.434	0.1
5/14/99	0.434	0.1	0.434	0.1	0.434	0.1
5/15/99	0.434	0.1	0.434	0.1	0.434	0.1
5/16/99	0.434	0.1	0.434	0.1	0.434	0.1
5/17/99	0.434	0.1	0.434	0.1	0.434	0.1
5/18/99	0.434	0.1	0.434	0.1	0.434	0.1
Average	0.4638	0.1068	0.4433	0.1021	0.5811	0.1338

Averages calculated using the BRL value = 0.1ppb (0.434ug/m3)

Table 4.3.26 Canister Result for 1,1,2,2-Tetrachloroethane

Date	MC1 ug/m3	MC1 ppb	MC2 ug/m3	MC2 ppb	MC3 ug/m3	MC3 ppb
4/13/99	BRL	BRL	BRL	BRL	BRL	BRL
4/14/99	BRL	BRL	BRL	BRL	BRL	BRL
4/15/99	BRL	BRL	BRL	BRL	BRL	BRL
4/16/99	BRL	BRL	BRL	BRL	BRL	BRL
4/17/99	BRL	BRL	BRL	BRL	BRL	BRL
4/18/99	BRL	BRL	BRL	BRL	BRL	BRL
4/19/99	BRL	BRL	BRL	BRL	BRL	BRL
4/20/99	BRL	BRL	BRL	BRL	BRL	BRL
4/21/99	BRL	BRL	BRL	BRL	BRL	BRL
4/22/99	BRL	BRL	BRL	BRL	BRL	BRL
4/23/99	BRL	BRL	BRL	BRL	BRL	BRL
4/24/99	BRL	BRL	BRL	BRL	BRL	BRL
4/25/99	BRL	BRL	BRL	BRL	No Sample	No Sample
4/26/99	BRL	BRL	BRL	BRL	BRL	BRL
4/27/99	BRL	BRL	BRL	BRL	BRL	BRL
4/28/99	BRL	BRL	BRL	BRL	1.789	0.26
4/29/99	BRL	BRL	BRL	BRL	BRL	BRL
4/30/99	Power Failure	Power Failure	BRL	BRL	BRL	BRL
5/1/99	Power Failure	Power Failure	BRL	BRL	BRL	BRL
5/2/99	Power Failure	Power Failure	BRL	BRL	No Sample	No Sample
5/3/99	Power Failure	Power Failure	BRL	BRL	No Sample	No Sample
5/4/99	Power Failure	Power Failure	BRL	BRL	No Sample	No Sample
5/5/99	BRL	BRL	BRL	BRL	BRL	BRL
5/6/99	BRL	BRL	BRL	BRL	BRL	BRL
5/7/99	BRL	BRL	BRL	BRL	BRL	BRL
5/8/99	BRL	BRL	BRL	BRL	BRL	BRL
5/9/99	BRL	BRL	BRL	BRL	BRL	BRL
5/10/99	BRL	BRL	BRL	BRL	BRL	BRL
5/11/99	BRL	BRL	BRL	BRL	BRL	BRL
5/12/99	BRL	BRL	BRL	BRL	BRL	BRL
5/13/99	BRL	BRL	BRL	BRL	BRL	BRL
5/14/99	BRL	BRL	BRL	BRL	BRL	BRL
5/15/99	BRL	BRL	BRL	BRL	BRL	BRL
5/16/99	BRL	BRL	BRL	BRL	BRL	BRL
5/17/99	BRL	BRL	BRL	BRL	BRL	BRL
5/18/99	BRL	BRL	BRL	BRL	BRL	BRL
Average	0.687	0.100	0.687	0.100	0.721	0.105

Averages calculated using the BRL value = 0.1ppb (0.687ug/m3)

Table 4.3.27 Canister Result for 1,3,5-Trimethylbenzene

Date	MC1 ug/m3	MC1 ppb	MC2 ug/m3	MC2 ppb	MC3 ug/m3	MC3 ppb
4/13/99	BRL	BRL	BRL	BRL	BRL	BRL
4/14/99	BRL	BRL	BRL	BRL	BRL	BRL
4/15/99	BRL	BRL	BRL	BRL	BRL	BRL
4/16/99	BRL	BRL	BRL	BRL	BRL	BRL
4/17/99	BRL	BRL	BRL	BRL	BRL	BRL
4/18/99	BRL	BRL	BRL	BRL	BRL	BRL
4/19/99	BRL	BRL	BRL	BRL	BRL	BRL
4/20/99	BRL	BRL	BRL	BRL	BRL	BRL
4/21/99	BRL	BRL	BRL	BRL	BRL	BRL
4/22/99	BRL	BRL	BRL	BRL	BRL	BRL
4/23/99	BRL	BRL	BRL	BRL	BRL	BRL
4/24/99	BRL	BRL	BRL	BRL	BRL	BRL
4/25/99	BRL	BRL	BRL	BRL	No Sample	No Sample
4/26/99	BRL	BRL	BRL	BRL	BRL	BRL
4/27/99	BRL	BRL	BRL	BRL	BRL	BRL
4/28/99	BRL	BRL	BRL	BRL	BRL	BRL
4/29/99	BRL	BRL	BRL	BRL	BRL	BRL
4/30/99	Power Failure	Power Failure	BRL	BRL	BRL	BRL
5/1/99	Power Failure	Power Failure	BRL	BRL	BRL	BRL
5/2/99	Power Failure	Power Failure	BRL	BRL	No Sample	No Sample
5/3/99	Power Failure	Power Failure	BRL	BRL	No Sample	No Sample
5/4/99	Power Failure	Power Failure	BRL	BRL	No Sample	No Sample
5/5/99	BRL	BRL	BRL	BRL	BRL	BRL
5/6/99	BRL	BRL	BRL	BRL	BRL	BRL
5/7/99	BRL	BRL	BRL	BRL	BRL	BRL
5/8/99	BRL	BRL	BRL	BRL	BRL	BRL
5/9/99	BRL	BRL	BRL	BRL	BRL	BRL
5/10/99	BRL	BRL	BRL	BRL	BRL	BRL
5/11/99	BRL	BRL	BRL	BRL	BRL	BRL
5/12/99	0.493	0.101	BRL	BRL	BRL	BRL
5/13/99	BRL	BRL	BRL	BRL	BRL	BRL
5/14/99	BRL	BRL	BRL	BRL	BRL	BRL
5/15/99	BRL	BRL	BRL	BRL	BRL	BRL
5/16/99	BRL	BRL	BRL	BRL	BRL	BRL
5/17/99	BRL	BRL	BRL	BRL	BRL	BRL
5/18/99	BRL	BRL	BRL	BRL	BRL	BRL
Average	0.492	0.100	0.492	0.100	0.492	0.100

Averages calculated using the BRL value = 0.1ppb (0.492ug/m3)

Table 4.3.28 Canister Result for 1,2,4-Trimethylbenzene

Date	MC1 ug/m3	MC1 ppb	MC2 ug/m3	MC2 ppb	MC3 ug/m3	MC3 ppb
4/13/99	1.670	0.339	0.833	0.169	0.985	0.200
4/14/99	0.778	0.158	0.542	0.110	0.492	0.1
4/15/99	0.882	0.179	0.492	0.1	0.492	0.1
4/16/99	0.492	0.1	0.492	0.1	0.492	0.1
4/17/99	0.581	0.118	0.571	0.116	0.492	0.1
4/18/99	0.492	0.1	0.492	0.1	0.576	0.117
4/19/99	0.502	0.102	0.522	0.106	0.665	0.135
4/20/99	0.700	0.142	0.512	0.104	0.635	0.129
4/21/99	0.492	0.1	0.492	0.1	0.492	0.1
4/22/99	0.492	0.1	0.492	0.1	0.492	0.1
4/23/99	0.492	0.1	0.492	0.1	0.492	0.1
4/24/99	0.492	0.1	0.492	0.1	0.492	0.1
4/25/99	0.492	0.1	0.492	0.1	No Sample	No Sample
4/26/99	0.492	0.1	0.492	0.1	0.492	0.1
4/27/99	0.492	0.1	0.492	0.1	0.492	0.1
4/28/99	0.492	0.1	0.492	0.1	12.946	2.628
4/29/99	0.492	0.1	0.492	0.1	0.492	0.1
4/30/99	Power Failure	Power Failure	0.492	0.1	0.492	0.1
5/1/99	Power Failure	Power Failure	0.492	0.1	0.105	0.105
5/2/99	Power Failure	Power Failure	0.601	0.122	No Sample	No Sample
5/3/99	Power Failure	Power Failure	0.492	0.1	No Sample	No Sample
5/4/99	Power Failure	Power Failure	0.492	0.1	No Sample	No Sample
5/5/99	0.492	0.1	0.492	0.1	0.492	0.1
5/6/99	0.492	0.1	0.492	0.1	0.492	0.1
5/7/99	0.492	0.1	0.492	0.1	0.492	0.1
5/8/99	0.492	0.1	0.492	0.1	0.492	0.1
5/9/99	0.492	0.1	0.492	0.1	0.492	0.1
5/10/99	0.492	0.1	0.492	0.1	0.492	0.1
5/11/99	0.492	0.1	0.492	0.1	0.492	0.1
5/12/99	2.241	0.455	0.492	0.1	0.818	0.166
5/13/99	0.492	0.1	0.624	0.624	0.492	0.1
5/14/99	0.492	0.1	0.492	0.1	0.492	0.1
5/15/99	0.492	0.1	0.492	0.1	0.492	0.1
5/16/99	0.492	0.1	0.492	0.1	0.492	0.1
5/17/99	0.492	0.1	0.492	0.1	0.492	0.1
5/18/99	0.492	0.1	0.492	0.1	0.492	0.1
Average	0.618	0.126	0.513	0.118	0.907	0.187

Averages calculated using the BRL value = 0.1ppb (0.492ug/m3)

Table 4.3.29 Canister Result for m-Dichlorobenzene

Date	MC1 ug/m3	MC1 ppb	MC2 ug/m3	MC2 ppb	MC3 ug/m3	MC3 ppb
4/13/99	1.217	0.202	BRL	BRL	BRL	BRL
4/14/99	BRL	BRL	BRL	BRL	BRL	BRL
4/15/99	BRL	BRL	BRL	BRL	BRL	BRL
4/16/99	BRL	BRL	BRL	BRL	BRL	BRL
4/17/99	BRL	BRL	BRL	BRL	BRL	BRL
4/18/99	BRL	BRL	BRL	BRL	BRL	BRL
4/19/99	BRL	BRL	BRL	BRL	BRL	BRL
4/20/99	0.765	0.127	BRL	BRL	BRL	BRL
4/21/99	BRL	BRL	BRL	BRL	BRL	BRL
4/22/99	BRL	BRL	BRL	BRL	BRL	BRL
4/23/99	BRL	BRL	BRL	BRL	BRL	BRL
4/24/99	BRL	BRL	BRL	BRL	BRL	BRL
4/25/99	BRL	BRL	BRL	BRL	No Sample	No Sample
4/26/99	BRL	BRL	BRL	BRL	BRL	BRL
4/27/99	BRL	BRL	BRL	BRL	BRL	BRL
4/28/99	BRL	BRL	BRL	BRL	9.188	1.525
4/29/99	BRL	BRL	BRL	BRL	BRL	BRL
4/30/99	Power Failure	Power Failure	BRL	BRL	BRL	BRL
5/1/99	Power Failure	Power Failure	BRL	BRL	BRL	BRL
5/2/99	Power Failure	Power Failure	BRL	BRL	No Sample	No Sample
5/3/99	Power Failure	Power Failure	BRL	BRL	No Sample	No Sample
5/4/99	Power Failure	Power Failure	BRL	BRL	No Sample	No Sample
5/5/99	BRL	BRL	BRL	BRL	BRL	BRL
5/6/99	BRL	BRL	BRL	BRL	BRL	BRL
5/7/99	BRL	BRL	BRL	BRL	BRL	BRL
5/8/99	BRL	BRL	BRL	BRL	BRL	BRL
5/9/99	BRL	BRL	BRL	BRL	BRL	BRL
5/10/99	BRL	BRL	BRL	BRL	BRL	BRL
5/11/99	BRL	BRL	BRL	BRL	BRL	BRL
5/12/99	BRL	BRL	BRL	BRL	BRL	BRL
5/13/99	BRL	BRL	BRL	BRL	BRL	BRL
5/14/99	BRL	BRL	BRL	BRL	BRL	BRL
5/15/99	BRL	BRL	BRL	BRL	BRL	BRL
5/16/99	BRL	BRL	BRL	BRL	BRL	BRL
5/17/99	BRL	BRL	BRL	BRL	BRL	BRL
5/18/99	BRL	BRL	BRL	BRL	BRL	BRL
Average	0.626	0.104	0.601	0.100	0.869	0.145

Averages calculated using the BRL value = 0.1ppb (0.601ug/m3)

Table 4.3.30 Canister Result for p-Dichlorobenzene

Date	MC1 ug/m3	MC1 ppb	MC2 ug/m3	MC2 ppb	MC3 ug/m3	MC3 ppb
4/13/99	1.217	0.202	BRL	BRL	BRL	BRL
4/14/99	BRL	BRL	BRL	BRL	BRL	BRL
4/15/99	BRL	BRL	BRL	BRL	BRL	BRL
4/16/99	BRL	BRL	BRL	BRL	BRL	BRL
4/17/99	BRL	BRL	BRL	BRL	BRL	BRL
4/18/99	BRL	BRL	BRL	BRL	BRL	BRL
4/19/99	BRL	BRL	BRL	BRL	BRL	BRL
4/20/99	0.765	0.127	BRL	BRL	BRL	BRL
4/21/99	BRL	BRL	BRL	BRL	BRL	BRL
4/22/99	BRL	BRL	BRL	BRL	BRL	BRL
4/23/99	BRL	BRL	BRL	BRL	BRL	BRL
4/24/99	BRL	BRL	BRL	BRL	BRL	BRL
4/25/99	BRL	BRL	BRL	BRL	No Sample	No Sample
4/26/99	BRL	BRL	BRL	BRL	BRL	BRL
4/27/99	BRL	BRL	BRL	BRL	BRL	BRL
4/28/99	BRL	BRL	BRL	BRL	13.116	2.177
4/29/99	BRL	BRL	BRL	BRL	BRL	BRL
4/30/99	Power Failure	Power Failure	BRL	BRL	BRL	BRL
5/1/99	Power Failure	Power Failure	BRL	BRL	BRL	BRL
5/2/99	Power Failure	Power Failure	BRL	BRL	No Sample	No Sample
5/3/99	Power Failure	Power Failure	BRL	BRL	No Sample	No Sample
5/4/99	Power Failure	Power Failure	BRL	BRL	No Sample	No Sample
5/5/99	BRL	BRL	BRL	BRL	BRL	BRL
5/6/99	BRL	BRL	BRL	BRL	BRL	BRL
5/7/99	BRL	BRL	BRL	BRL	BRL	BRL
5/8/99	BRL	BRL	BRL	BRL	BRL	BRL
5/9/99	BRL	BRL	BRL	BRL	BRL	BRL
5/10/99	BRL	BRL	BRL	BRL	BRL	BRL
5/11/99	BRL	BRL	BRL	BRL	BRL	BRL
5/12/99	BRL	BRL	BRL	BRL	BRL	BRL
5/13/99	BRL	BRL	BRL	BRL	BRL	BRL
5/14/99	BRL	BRL	BRL	BRL	BRL	BRL
5/15/99	BRL	BRL	BRL	BRL	BRL	BRL
5/16/99	BRL	BRL	BRL	BRL	BRL	BRL
5/17/99	BRL	BRL	BRL	BRL	BRL	BRL
5/18/99	BRL	BRL	BRL	BRL	BRL	BRL
Average	0.626	0.104	0.601	0.100	0.992	0.165

Averages calculated using the BRL value = 0.1ppb (0.601ug/m3)

Table 4.3.31 Canister Result for o-Dichlorobenzene

Date	MC1 ug/m3	MC1 ppb	MC2 ug/m3	MC2 ppb	MC3 ug/m3	MC3 ppb
4/13/99	BRL	BRL	BRL	BRL	BRL	BRL
4/14/99	BRL	BRL	BRL	BRL	BRL	BRL
4/15/99	BRL	BRL	BRL	BRL	BRL	BRL
4/16/99	BRL	BRL	BRL	BRL	BRL	BRL
4/17/99	BRL	BRL	BRL	BRL	BRL	BRL
4/18/99	BRL	BRL	BRL	BRL	BRL	BRL
4/19/99	BRL	BRL	BRL	BRL	BRL	BRL
4/20/99	BRL	BRL	BRL	BRL	BRL	BRL
4/21/99	BRL	BRL	BRL	BRL	BRL	BRL
4/22/99	BRL	BRL	BRL	BRL	BRL	BRL
4/23/99	BRL	BRL	BRL	BRL	BRL	BRL
4/24/99	BRL	BRL	BRL	BRL	BRL	BRL
4/25/99	BRL	BRL	BRL	BRL	No Sample	No Sample
4/26/99	BRL	BRL	BRL	BRL	BRL	BRL
4/27/99	BRL	BRL	BRL	BRL	BRL	BRL
4/28/99	BRL	BRL	BRL	BRL	9.188	1.525
4/29/99	BRL	BRL	BRL	BRL	BRL	BRL
4/30/99	Power Failure	Power Failure	BRL	BRL	BRL	BRL
5/1/99	Power Failure	Power Failure	BRL	BRL	BRL	BRL
5/2/99	Power Failure	Power Failure	BRL	BRL	No Sample	No Sample
5/3/99	Power Failure	Power Failure	BRL	BRL	No Sample	No Sample
5/4/99	Power Failure	Power Failure	BRL	BRL	No Sample	No Sample
5/5/99	BRL	BRL	BRL	BRL	BRL	BRL
5/6/99	BRL	BRL	BRL	BRL	BRL	BRL
5/7/99	BRL	BRL	BRL	BRL	BRL	BRL
5/8/99	BRL	BRL	BRL	BRL	BRL	BRL
5/9/99	BRL	BRL	BRL	BRL	BRL	BRL
5/10/99	BRL	BRL	BRL	BRL	BRL	BRL
5/11/99	BRL	BRL	BRL	BRL	BRL	BRL
5/12/99	BRL	BRL	BRL	BRL	BRL	BRL
5/13/99	BRL	BRL	BRL	BRL	BRL	BRL
5/14/99	BRL	BRL	BRL	BRL	BRL	BRL
5/15/99	BRL	BRL	BRL	BRL	BRL	BRL
5/16/99	BRL	BRL	BRL	BRL	BRL	BRL
5/17/99	BRL	BRL	BRL	BRL	BRL	BRL
5/18/99	BRL	BRL	BRL	BRL	BRL	BRL
Average	0.601	0.100	0.601	0.100	0.869	0.145

Averages calculated using the BRL value = 0.1ppb (0.601ug/m3)

Table 4.3.32 Canister Result for 1,2,4-Trichlorobenzene

Date	MC1 ug/m3	MC1 ppb	MC2 ug/m3	MC2 ppb	MC3 ug/m3	MC3 ppb
4/13/99	BRL	BRL	BRL	BRL	BRL	BRL
4/14/99	BRL	BRL	BRL	BRL	BRL	BRL
4/15/99	BRL	BRL	BRL	BRL	BRL	BRL
4/16/99	BRL	BRL	BRL	BRL	BRL	BRL
4/17/99	BRL	BRL	BRL	BRL	BRL	BRL
4/18/99	BRL	BRL	BRL	BRL	BRL	BRL
4/19/99	BRL	BRL	BRL	BRL	BRL	BRL
4/20/99	2.722	0.183	BRL	BRL	BRL	BRL
4/21/99	BRL	BRL	BRL	BRL	BRL	BRL
4/22/99	BRL	BRL	BRL	BRL	BRL	BRL
4/23/99	BRL	BRL	BRL	BRL	BRL	BRL
4/24/99	BRL	BRL	BRL	BRL	BRL	BRL
4/25/99	BRL	BRL	BRL	BRL	No Sample	No Sample
4/26/99	BRL	BRL	BRL	BRL	BRL	BRL
4/27/99	0.796	0.107	1.041	0.140	BRL	BRL
4/28/99	BRL	BRL	BRL	BRL	36.833	4.953
4/29/99	BRL	BRL	BRL	BRL	1.026	0.138
4/30/99	Power Failure	Power Failure	BRL	BRL	BRL	BRL
5/1/99	Power Failure	Power Failure	BRL	BRL	2.045	0.275
5/2/99	Power Failure	Power Failure	1.197	0.161	No Sample	No Sample
5/3/99	Power Failure	Power Failure	BRL	BRL	No Sample	No Sample
5/4/99	Power Failure	Power Failure	BRL	BRL	No Sample	No Sample
5/5/99	BRL	BRL	BRL	BRL	BRL	BRL
5/6/99	BRL	BRL	BRL	BRL	BRL	BRL
5/7/99	BRL	BRL	BRL	BRL	BRL	BRL
5/8/99	BRL	BRL	BRL	BRL	BRL	BRL
5/9/99	BRL	BRL	BRL	BRL	BRL	BRL
5/10/99	BRL	BRL	BRL	BRL	BRL	BRL
5/11/99	BRL	BRL	BRL	BRL	BRL	BRL
5/12/99	BRL	BRL	BRL	BRL	BRL	BRL
5/13/99	BRL	BRL	BRL	BRL	BRL	BRL
5/14/99	BRL	BRL	BRL	BRL	BRL	BRL
5/15/99	BRL	BRL	BRL	BRL	BRL	BRL
5/16/99	1.391	0.187	BRL	BRL	BRL	BRL
5/17/99	BRL	BRL	BRL	BRL	BRL	BRL
5/18/99	BRL	BRL	BRL	BRL	BRL	BRL
Average	0.829	0.106	0.763	0.103	1.919	0.258

Averages calculated using the BRL value = 0.1ppb (0.742ug/m3)

Table 4.3.33 Canister Result for Hexachlorobenzene

Date	MC1 ug/m3	MC1 ppb	MC2 ug/m3	MC2 ppb	MC3 ug/m3	MC3 ppb
4/13/99	BRL	BRL	BRL	BRL	BRL	BRL
4/14/99	BRL	BRL	BRL	BRL	BRL	BRL
4/15/99	BRL	BRL	BRL	BRL	BRL	BRL
4/16/99	BRL	BRL	BRL	BRL	BRL	BRL
4/17/99	BRL	BRL	BRL	BRL	BRL	BRL
4/18/99	BRL	BRL	BRL	BRL	BRL	BRL
4/19/99	BRL	BRL	BRL	BRL	BRL	BRL
4/20/99	BRL	BRL	BRL	BRL	BRL	BRL
4/21/99	BRL	BRL	BRL	BRL	BRL	BRL
4/22/99	BRL	BRL	BRL	BRL	BRL	BRL
4/23/99	BRL	BRL	BRL	BRL	BRL	BRL
4/24/99	BRL	BRL	BRL	BRL	BRL	BRL
4/25/99	BRL	BRL	BRL	BRL	No Sample	No Sample
4/26/99	BRL	BRL	BRL	BRL	BRL	BRL
4/27/99	BRL	BRL	BRL	BRL	BRL	BRL
4/28/99	BRL	BRL	BRL	BRL	35.903	3.359
4/29/99	BRL	BRL	BRL	BRL	BRL	BRL
4/30/99	Power Failure	Power Failure	BRL	BRL	BRL	BRL
5/1/99	Power Failure	Power Failure	BRL	BRL	BRL	BRL
5/2/99	Power Failure	Power Failure	BRL	BRL	No Sample	No Sample
5/3/99	Power Failure	Power Failure	BRL	BRL	No Sample	No Sample
5/4/99	Power Failure	Power Failure	BRL	BRL	No Sample	No Sample
5/5/99	BRL	BRL	BRL	BRL	BRL	BRL
5/6/99	BRL	BRL	BRL	BRL	BRL	BRL
5/7/99	BRL	BRL	BRL	BRL	BRL	BRL
5/8/99	BRL	BRL	BRL	BRL	BRL	BRL
5/9/99	BRL	BRL	BRL	BRL	BRL	BRL
5/10/99	BRL	BRL	BRL	BRL	BRL	BRL
5/11/99	BRL	BRL	BRL	BRL	BRL	BRL
5/12/99	BRL	BRL	BRL	BRL	BRL	BRL
5/13/99	BRL	BRL	BRL	BRL	BRL	BRL
5/14/99	BRL	BRL	BRL	BRL	BRL	BRL
5/15/99	BRL	BRL	BRL	BRL	BRL	BRL
5/16/99	BRL	BRL	BRL	BRL	BRL	BRL
5/17/99	BRL	BRL	BRL	BRL	BRL	BRL
5/18/99	BRL	BRL	BRL	BRL	BRL	BRL
Average	1.069	0.100	1.069	0.100	2.158	0.202

Averages calculated using the BRL value = 0.1ppb (1.069ug/m3)

Table 4.3.36 - Meteorological Data

Date & Time	MC1			MC2			MC3		
	24hr Averages (18:30hrs to 18:30hrs)			24hr Averages (18:30hrs to 18:30hrs)			24hr Averages (18:30hrs to 18:30hrs)		
	WSP (mph)	WDR (°)	Std Dev	WSP (mph)	WDR (°)	Std Dev	WSP (mph)	WDR (°)	Std Dev
04/13/99	4.1	94.6	24.1	4.1	94.6	24.1	1.8	170.8	38.2
04/14/99	4.7	148.5	18.8	4.7	148.5	18.8	3.2	150.1	29.6
04/15/99	10.0	233.7	18.1	5.9	263.3	37.4	6.4	263.0	30.8
04/16/99	9.5	216.1	18.6	5.0	244.1	43.3	6.1	255.3	31.3
04/17/99	6.5	245.2	20.9	4.1	262.2	32.9	3.8	279.3	35.1
04/18/99	4.0	193.2	29.4	2.7	180.1	35.7	2.6	194.4	37.9
04/19/99	7.4	195.8	19.4	5.5	223.6	30.8	4.7	241.9	32.1
04/20/99	4.7	135.1	28.3	4.0	127.5	26.8	3.2	133.5	36.4
04/21/99	6.1	174.7	20.0	4.6	200.2	31.8	3.7	210.3	42.6
04/22/99	7.2	185.9	18.1	4.7	206.2	38.6	4.3	232.8	36.6
04/23/99	6.0	150.5	23.4	5.2	151.5	32.6	3.8	156.1	32.9
04/24/99	3.5	67.2	28.7	3.5	88.5	26.9	2.7	117.7	36.5
04/25/99	3.5	151.3	23.6	3.3	176.1	22.1	2.3	188.7	31.3
04/26/99	3.4	170.7	29.9	2.7	173.4	37.8	2.1	186.9	38.4
04/27/99	6.3	128.9	26.5	6.8	59.5	20.9	4.7	94.6	27.3
04/28/99	6.1	192.6	31.5	7.1	23.8	21.1	4.3	51.4	25.2
04/29/99	9.1	86.2	29.5	9.4	22.2	23.1	6.6	48.1	20.0
04/30/99	8.5	49.1	30.5	9.1	27.9	22.9	6.3	51.1	20.2
05/01/99	7.9	42.6	27.6	6.7	26.0	29.6	4.7	40.2	23.9
05/02/99	5.4	160.6	23.6	3.8	171.4	30.9	3.1	163.9	30.9
05/03/99	3.8	119.6	25.2	2.9	109.8	30.4	2.8	157.5	31.9
05/04/99	4.5	165.3	23.2	3.6	181.1	29.7	2.6	208.4	38.6
05/05/99	4.4	149.6	20.2	3.4	166.2	25.5	2.7	194.7	36.2
05/06/99	4.8	159.0	23.9	4.7	180.7	27.2	3.4	210.3	40.0
05/07/99	6.3	172.6	23.6	5.2	193.2	31.4	4.2	225.4	39.9
05/08/99	4.4	232.7	22.6	2.8	240.2	36.2	2.2	265.8	38.6
05/09/99	3.4	131.5	31.8	3.4	131.5	31.8	2.1	112.7	34.9
05/10/99	3.6	63.1	24.2	3.6	63.1	24.2	2.4	112.1	28.7
05/11/99	3.9	181.4	22.9	3.9	181.4	22.9	2.3	123.8	32.7
05/12/99	4.4	216.0	22.9	4.4	216.0	22.9	2.3	243.4	33.2
05/13/99	4.9	240.3	30.9	4.9	223.2	30.5	2.5	109.1	38.5
05/14/99	7.0	304.8	27.3	5.7	108.6	31.5	3.7	34.6	32.8
05/15/99	5.2	260.6	31.2	4.9	49.5	27.0	2.8	57.3	34.4
05/16/99	4.5	185.1	32.2	4.6	40.0	25.9	2.6	81.8	37.1
05/17/99	3.2	113.0	31.9	2.9	97.8	28.1	2.4	132.0	37.4
05/18/99	6.2	252.3	19.2	3.9	217.6	26.6	3.5	182.7	27.9