Air Quality in Ontario 2002
Appendix

ONTARIO

Ministry of the
Environment

Acknowledgements

This report has been prepared by the staff of the Environmental Monitoring and Reporting Branch of the Ontario Ministry of the Environment. The staffs of the regional offices of the Operations Division and Laboratory Services Branch of the Environmental Sciences and Standards Division is acknowledged for providing a portion of the air quality data reported herein. Canada's National Air Pollution Surveillance program is also acknowledged for providing air monitoring instrumentation, air toxics data and additional quality assurance/quality control (QA/QC) of criteria pollutants.

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INTRODUCTION

This appendix is intended for use in conjunction with the 2002 Annual Air Quality in Ontario report. The first section of the Appendix briefly describes the provincial air monitoring network, quality assurance and quality control procedures and the Ministry of the Environment air quality database. The second part of the Appendix includes a series of tables displaying station locations and a listing of the summary statistics including means, maxima, percentile values and the number of exceedances of the Ontario ambient air quality criteria (AAQC) for each pollutant.

MONITORING NETWORK OPERATIONS

Network Description

In 1971, the provincial air monitoring network consisted of 254 instruments. Of those, 166 were continuous analyzers located at 76 monitoring sites and 88 sites were with high-volume samplers. By 1980, the provincial network had reached its maximum size of 450 instruments of which 268 were continuous analyzers located at 106 sites and 182 high-volume samplers. In 2002 the network comprised of 218 continuous monitoring instruments at 79 sites, 50 high-volume samplers, 29 daily PM_{10} samplers and 35 real-time $PM_{10/2.5}$ monitors.

Over 50 per cent of all air monitoring performed by the ministry is source-specific. The Operations Division of the Ministry of the Environment was primarily responsible for the operation of these sites in 2002. For the most part, the operation of the monitoring stations and the collection of air samples is conducted by the regional staff.

During 2002, the Environmental Monitoring and Reporting Branch operated the Greater Toronto Area ambient stations and the mobile air monitoring units. The monitoring networks are classified by their functions: continuous air monitoring; noncontinuous sampling; and meteorological monitoring.

Monitoring site locations for continuous, noncontinuous and meteorological networks are illustrated in Maps 1-3.

Quality Assurance and Quality Control

Day to day air monitoring and maintenance of the instruments is administered by staff of the Environmental Monitoring and Reporting Branch and staff of the Operations Division. Air monitoring technicians audit the instruments on a daily basis, by using a computerized telephone link to confirm the automatic zero and span values - a known value for a particular gas.

The air monitoring technicians consistently inspect and maintain monitoring equipment and stations. Should an instrument undergo major servicing, the Instrumentation and Quality Assurance Unit will conduct a re-calibration of the instrument. Portable calibration equipment is used by regional staff and is re-calibrated at least twice per year.

Other monitoring programs, such as those operated by the Sarnia-Lambton Environmental Association, Ontario Power Generation and Environment Canada collaborate with the ministry in auditing procedures and comparative activities. Data from these programs and provincial monitoring sites are used to determine the status of provincial air quality.

The Environmental Monitoring and Reporting Branch operates a laboratory with gas reference standards that adhere to those of the U.S. National Institute of Standards and Technology (NIST) and the Pollution Measurement Division of Environment Canada. Performance audits are conducted on the sulphur dioxide, nitrogen oxides/nitrogen dioxide, ozone and total reduced sulphur (as hydrogen sulphide) monitors approximately three times per year. Performance audits are conducted twice a year for $PM_{10/2.5}$ monitors and once a year on carbon monoxide monitors. Chemical analyses performed by the Laboratory Services Branch are also subject to quality assurance and control.

The Ontario ambient air quality monitoring network undergoes constant maintenance to ensure a high standard of quality control. Continuous real-time and particulate data are consistently reviewed, assessed, and validated by regional staff and staff of the Environmental Monitoring and Reporting Branch. Immediate actions are taken to correct any inconsistencies that may affect the validity of the data. These measures ensure ambient air monitoring data are valid, complete, comparable, representative and accurate.

In 2002, continuous air monitoring instruments were given 631 performance audits. Approximately 87.3 per cent of the audits were found to be consistent with the acceptable performance criterion, i.e. measured values were within 10 per cent of the standard. For the remaining 12.7 per cent, which fell outside the 10 per cent range, station log records and backup charts were consulted to adjust the data to reflect true ambient concentrations. As a result, the continuous network for 2002 had 91 per cent valid data from over 3 million data points.

Data Base

The ambient air quality data used in this report are stored in the ministry's air quality information system (AQUIS). Over 3 million air pollution measurements are added to AQUIS annually, with the vast majority representing Ontario's more heavily populated urban areas.

A statistical pattern test is used to identify data anomalies, such as unusual pollutant concentrations. Each pollutant has a predetermined concentration range based on historical data. Values outside this range are flagged for further investigation.

AQUIS data are divided into two major groupings: continuous (1-hour) measurements and daily (24-hour) measurements. Hourly data are obtained from automated ambient air monitoring instruments that operate continuously. These produce an average measurement for every hour for a possible total of 8760 measurements in a given year. Hourly parameters measured include O_3, $PM_{2.5}$, PM_{10}, SP (measured as COH), $NO/NO_2/ NO_x$, Hg, CO, SO_2 and TRS compounds. A valid annual mean requires at least 6570 hourly readings. The network typically yields approximately 91 per cent valid data.

The instruments that provide daily measurements from a 24-hour sampling period are usually operated on three or six-day sampling cycles. They measure TSP, PM_{10}, lead (Pb), various trace metals, sulphate (SO_4^{2-}) and nitrate (NO_3^-). Daily data requires a valid annual mean to be at least two thirds of the total number of possible samples.

To be included in the 10-year trend analysis, a site must have valid annual means for a minimum of 8 years in the 10-year period from 1993-2002.

NETWORK DESCRIPTIVE TABLES AND ANNUAL STATISTICS

The complete continuous (hourly) network is summarized in Table 1 and Map 1. The table displays the station name, numerical identifier, and pollutants measured. The numerical identifier is the station (ID) number, the first digit of which identifies the geographic region in which the station is located.

The column headings for the continuous pollutants are as follows:

O_3	(ozone)
$PM_{2.5}$	(real-time fine particulate matter)
PM_{10}	(real-time inhalable particles)
SP	(suspended particles as measured by the Coefficient of Haze)
Hg	(mercury)
NO	(nitric oxide)
NO_2	(nitrogen dioxide)
NO_x	(oxides of nitrogen)
CO	(carbon monoxide)
SO_2	(sulphur dioxide)
TRS	(total reduced sulphur compounds)
AQI	(air quality index)

The particulate (daily) network is summarized in Table 2 and Map 2. The table displays the station name, numerical identifier, and pollutants measured. Numerals indicate the monitoring cycle frequency in days. The column headings for the noncontinuous pollutants are as follows:

TSP	(total suspended particles)
Cd	(cadmium in TSP)
Cr	(chromium in TSP)
Cu	(copper in TSP)
Fe	(iron in TSP)
Mn	(manganese in TSP)
Ni	(nickel in TSP)
Pb	(lead in TSP)
V	(vanadium in TSP)
NO_3^-	(nitrate in TSP)
SO_4^{2-}	(sulphate in TSP)

The 24-hour inhalable particle (PM_{10}) network is summarized in Table 3. This table displays the station location, parameters measured and frequency of sampling.

The meteorological network is summarized in Table 4 and Map 3. This table displays the station name, numerical identifier, meteorological parameters measured and the height of which the measurements are recorded.

The 2002 statistical data for various pollutants are provided in Tables 5 through 15 and Tables 25 to 55. The stations used in the 10-year trends are listed in Table 24 and the 10-year trends are presented in Tables 16-23.

ABBREVIATIONS

ID	-five digit provincial station identification number
TYPE	-survey type (ambient or source specific)
YR.	-year monitoring began
LAT.	-station latitude in degrees:minutes
LONG.	-station longitude in degrees:minutes
ELEV.	-elevation of air sampling inlet (metres above ground)
INS.	-insufficient data to compute relevant statistics

Table 1: Ontario Continuous Air Monitoring Network for 2002

CITY/TOWN	STATION LOCATION	ID	TYPE	YR.	LAT.	LONG.	ELEV.	O_3	$PM_{2.5}$	PM_{10}	SP	Hg	NO/NO_2 NO_X	CO	SO_2	TRS	AQI
WINDSOR	WRIGHT/WATER ST.	12007	I	84	42:17	83:06	4	.	T	.	.	.	.	.	T	T	.
WINDSOR DOWNTOWN	467 UNIVERSITY AVE. W.	12008	A	69	42:19	83:03	8	T	T	.	.	.	T	T	T	.	T
WINDSOR WEST	COLLEGE/SOUTH ST.	12016	A	75	42:18	83:04	4	T	T	.	.	.	T	.	T	T	T
MERLIN	MIDDLE RD., MOE WATER PUMP STN.	13021	A	77	42:15	82:13	4	T	.	.	.	.	.	.	.	.	*
COURTRIGHT	HWY 40 (OPPOSITE OPG)	14016	I	69	42:48	82:29	4	.	.	.	.	.	.	.	T	.	.
SARNIA	FRONT ST./CN TRACKS, CENTENNIAL PARK	14064	A	76	42:59	82:24	3	T	T	.	.	.	T	T	T	T	T
LONGWOODS	LONGWOODS CONSERVATION AUTHORITY	15009	A	83	42:53	81:29	4	T	.	.	.	.	.	.	.	.	.
GRAND BEND	HWY 21/COUNTY RD. 83, VISITOR INFO CTR.	15020	A	91	43:20	81:44	3	T	.	.	.	.	.	.	.	.	*
LONDON	900 HIGHBURY AVE.	15025	A	95	42:61	81:13	4	T	.	T	.	.	T	T	T	.	T
PORT STANLEY	ELGIN WATER TREATMENT PLANT	16015	A	02	42:00	81:00	5	T	T	.	.	.	.	.	.	.	*
TIVERTON	LOT C/CONCESSION 5, VISITOR INFO CTR.	18007	A	79	44:18	81:35	5	T	T	.	.	.	.	.	.	.	*
SIMCOE	HWY 3/BLUE LINE RD.	22071	I	75	42:51	80:16	4	T	.	.	.	.	T	.	T	.	T
NANTICOKE	CHEAPSIDE RD. (3 KM S OF HWY 3)	22086	I	77	42:52	80:00	5	.	.	.	.	.	T	.	T		.
LONG POINT	PROVINCIAL PARK	22901	I	79	42:35	80:23	4	T	.	.	.	.	T	.	T	.	.
NANTICOKE	SANDUSK RD., WALPOLE SOUTH P.S.	22904	I	79	42:50	80:02	4	.	.	.	.	.	.	.	T	T	.
NANTICOKE	RAINHAM RD., NEAR STELCO GATE	22907	I	84	42:49	80:05	4	.	.	T	.	.	.	.	T	T	.
BALMORAL	CONCESSION 8/RAINHAM TWP.	22911	I	02	42:55	79:57	4	.	.	.	.	.	.	.	T	.	.
KITCHENER	WEST AVE./HOMEWOOD	26060	A	90	43:26	80:30	5	T	T	.	.	.	T	T	T	.	T
ELMIRA	UNION/PARK	26070	I	99	43:35	80:30	4	.	.	.	.	.	.	.	T	T	.
ST. CATHARINES	ARGYLE CRES., PUMP STATION	27067	A	87	43:10	79:14	4	T	T	.	.	.	T	T	T	.	T
GUELPH	EXHIBITION ST./PARK ST.	28028	A	00	43:33	80:16	4	T	T	.	.	.	T	.	.	.	T
HAMILTON DOWNTOWN	ELGIN/KELLY	29000	A	87	43:15	79:52	4	T	T	.	T	.	T	T	T	T	T
HAMILTON	BARTON/SANFORD	29025	I	69	43:16	79:51	4	.	.	.	.	.	.	.	T	T	.
HAMILTON	467 BEACH BLVD.	29102	I	84	43:17	79:47	4	.	.	.	.	.	T	.	T	T	.
HAMILTON MOUNTAIN	VICKERS RD./E. 18TH ST.	29114	A	85	43:14	79:52	3	T	T	.	.	.	T	.	T	T	T
HAMILTON WEST	MAIN ST. W./ HWY 403	29118	A	85	43:15	79:54	3	T	.	.	.	.	T	T	T	T	T
HAMILTON	PIER 25/BEACH STRIP	29547	I	92	43:27	79:78	4	.	.	.	.	.	.	.	.	T	.
HAMILTON	HOMESIDE II/STRATHERNE AVE. N.	29565	I	00	43:21	79:66	4	.	.	T	T	.	.	.	.	.	.
HAMILTON	NIAGARA/LAND ST.	29567	I	00	43:29	79:55	3	.	.	T	.	.	.	.	.	T	.
TORONTO DOWNTOWN	BAY/WELLESLEY	31103	A	00	43:39	79:23	10	T	T	.	.	.	T	T	T	.	T
TORONTO	CN TOWER, 301 FRONT ST. W.	31190	A	89	43:35	79:23	444	T	.	.	.	.	T	.	.	.	.
TORONTO EAST	KENNEDY/LAWRENCE	33003	A	70	43:45	79:16	5	T	T	.	.	.	T	.	.	.	T

Table 1: Ontario Continuous Air Monitoring Network for 2002

CITY/TOWN	STATION LOCATION	ID	TYPE	YR.	LAT.	LONG.	ELEV.	O_3	$PM_{2.5}$	PM_{10}	SP	Hg	NO/NO_2 NO_X	CO	SO_2	TRS	AQI
TORONTO NORTH	YONGE ST./FINCH AVE.	34020	A	88	43:47	79:25	5	T	T	.	.	.	T	.	.	.	T
TORONTO WEST	ELMCREST RD., CENTENNIAL PARK	35003	A	69	43:39	79:35	5	T	T	.	.	T	T	T	T	.	T
ETOBICOKE SOUTH	185 JUDSON ST.	35033	A	67	43:36	79:30	5	T	T	.	T	.	T	T	T	.	.
YORK	CLEARVIEW HEIGHTS	36030	I	88	43:42	79:29	5	T	.	.	T	.	T	T	T	.	.
BURLINGTON	HWY 2/NORTH SHORE BLVD. E.	44008	A	79	43:19	79:48	5	T	T	.	.	.	T	T	T	.	T
OAKVILLE	BRONTE RD/WOBURN CRES.	44015	A	80	43:24	79:44	5	T	.	.	.	.	T	T	T	T	T
OSHAWA	RITSON RD./OLIVE AVE., RITSON RD. P.S.	45025	A	79	43:53	78:51	5	T	T	.	.	.	T	.	.	.	T
BRAMPTON	525 MAIN ST. N., PEEL MANOR	46089	A	00	43:42	79:47	5	T	T	.	.	.	T	T	T	.	T
MISSISSAUGA	QUEENSWAY W./HURONTARIO ST.	46110	A	77	43:34	79:37	5	T	T	.	T	T	T	T	T	.	T
MISSISSAUGA	APPLE LANE, MEADOWOOD PARK	46117	I	87	43:30	79:37	5	.	T	.	.	.	T	.	.	.	.
BARRIE	83 PERRY ST.	47045	A	01	44:22	79:42	5	T	T	.	.	.	T	T	T	.	T
STOUFFVILLE	HWY 47/E. OF HWY 48	48002	A	74	43:58	79:16	5	T	.	.	.	.	.	.	.	.	.
NEWMARKET	EAGLE ST./McCAFFREY RD.	48006	A	01	44:02	79:28	5	T	T	.	.	.	T	T	T	.	T
PARRY SOUND	7 BAY ST.	49005	A	01	45:20	80:02	5	T	.	.	.	.	.	.	.	.	*
DORSET	HWY 117/PAINT LAKE RD.	49010	A	81	45:13	78:56	3	T	T	.	.	.	.	.	.	.	*
OTTAWA	RIDEAU/WURTENBURG ST.	51001	A	71	45:26	75:41	4	T	T	.	.	.	T	T	T	.	T
KINGSTON	133 DALTON AVE.	52020	A	88	44:14	76:31	5	T	.	.	.	.	.	.	.	.	T
CORNWALL	BEDFORD/THIRD ST., MEMORIAL PARK	56051	A	70	45:01	74:44	4	T	.	.	.	.	.	.	T	T	T
PETERBOROUGH	10 HOSPITAL DR.	59006	A	98	44:18	78:21	5	T	T	.	.	.	T	T	T	.	T
DRYDEN	35 VAN HORNE AVE.	61027	I	84	49:47	92:50	15	.	.	.	.	.	.	.	.	T	.
FORT FRANCES	PORTAGE/CHURCH ST.	62030	I	76	48:37	93:24	4	.	.	.	.	.	.	.	.	T	.
FORT FRANCES	COLONIZATION RD. W., CEMETERY	62032	I	76	48:37	93:25	5	.	.	.	.	.	.	.	.	T	.
FORT FRANCES	EIGHTH ST./CORNWALL AVE.	62047	I	90	48:37	93:24	4	.	.	.	.	.	.	.	.	T	.
FORT FRANCES	ARMIT AVE./4TH ST.	62200	I	97	48:38	93:23	3	T		.	.	.	.	.	.	T	.
MARATHON	PETER ST.	63033	I	91	48:43	86:23	4	.	.	.	.	.	.	.	.	T	.
THUNDER BAY	MONTREAL/MOUNTDALE ST.	63046	I	76	48:21	89:18	3	.	.	.	.	.	.	.	.	T	.
RED ROCK	SALLS ST.	63084	I	81	48:57	88:15	7	.	.	.	.	.	.	.	.	T	.
TERRACE BAY	SELKIRK ST., ST. MARTIN SCHOOL	63090	I	81	48:47	87:06	8	.	.	.	.	.	.	.	.	T	.
TERRACE BAY	TERRACE HEIGHT DR.	63092	I	94	48.48	87:04	4	.	.	.	.	.	.	.	.	T	.
THUNDER BAY	JAMES/WALSH ST.	63200	A	86	48:23	89:17	3	T	T	.	.	.	T	T	T	T	T
THUNDER BAY	VICTOR ST.	63202	I	00	48:20	89:20	3	.	.	.	.	.	.	.	.	T	.
SAULT STE. MARIE	BONNEY ST., PUMPHOUSE	71042	I	99	46:31	84:23	3	.	.	.	.	.	.	.	.	T	.

Table 1: Ontario Continuous Air Monitoring Network for 2002

CITY/TOWN	STATION LOCATION	ID	TYPE	YR.	LAT.	LONG.	ELEV.	O_3	$PM_{2.5}$	PM_{10}	SP	Hg	NO/NO_2 NO_X	CO	SO_2	TRS	AQI
SAULT STE. MARIE	PATRICK ST., WM. MERRIFIELD SCHOOL	71068	A	87	46:32	84:21	3	T	T	.	T	.	T	.	T	T	T
SAULT STE. MARIE	EASTERDAY AVE. (U.S.A.)	71080	I	98	46:30	84:22	12	.	T	.	.	.	.	.	.	.	.
NORTH BAY	CHIPPEWA ST., DEPT. NATIONAL DEFENCE	75010	A	79	46:19	79:27	4	T	T	.	.	.	T	.	.	.	T
SUDBURY	SKEAD	77012	I	52	46:39	80:46	4	.	.	.	.	.	.	.	T	.	.
SUDBURY	HANMER	77013	I	73	46:39	80:57	5	.	.	.	.	.	.	.	T	.	.
SUDBURY	ASH ST., WATER TANK	77016	I	69	46:30	81:00	3	.	.	.	.	.	.	.	T	.	.
CONISTON	GOVERNMENT RD./EDWARD ST.	77028	I	74	46:29	80:51	4	.	.	.	.	.	.	.	T	.	.
GARSON	FALCONBRIDGE RD.	77065	I	76	46:34	80:51	4	.	.	.	.	.	.	.	T	.	.
NEW SUDBURY	CAMBRIAN COLLEGE	77075	I	76	46:31	80:57	4	.	.	.	.	.	.	.	T	.	.
SUDBURY	MIKKOLA, J. HAMILTON SCHOOL	77201	I	82	46:25	81:07	4	.	.	.	.	.	.	.	T	.	.
SUDBURY	100 RAMSEY LAKE RD./SCIENCE NORTH	77203	A	84	46:28	80:59	15	T	.	.	.	.	T	T	T	T	T
RAYSIDE	ST. LAURENT/REGIONAL RD.	77206	I	85	46:36	81:06	4	.	.	.	.	.	.	.	T	.	.
COPPER CLIFF	MARKET ST.	77218	I	87	46:28	81:04	4	.	.	.	.	.	.	.	T	.	.
SUDBURY	ROBINSON SCHOOL	77225	I	90	46:28	81:00	4	.	.	.	.	.	.	.	T	.	.
SUDBURY	DOZZI PARK	77228	I	93	46:28	81:02	4	.	.	.	.	.	.	.	T	.	.
TOTALS:								**43**	**30**	**4**	**6**	**2**	**35**	**21**	**47**	**30**	**36**

RECENT CHANGES TO THE 2002 CONTINUOUS AIR MONITORING NETWORK:

Stations added to the network: Port Stanley (16015); Balmoral (22911); Mississauga (46117); and Sault Ste. Marie (71080).

Stations removed from the network: Little River (12009); Mandaumin (14118); Parkhill (15009); Thunder Bay (63204); and Smooth Rock Falls (72115).

LEGEND:

ID - Station identification number
TYPE - A: ambient survey; I: source specific survey
YR. - Year station monitoring began
LAT. - Latitude (degrees:minutes)
LONG. - Longitude (degrees:minutes)
ELEV. - Air intake height above ground (m)
T - Telemetry
* - Seasonal AQI site (May 1 - September 30 only)

O_3 - Ozone
$PM_{2.5}$ - Real-time Fine Particulate Matter
PM_{10} - Real-time Inhalable Particulates
SP - Suspended Particles

Hg - Mercury
NO - Nitric Oxide
NO_2 - Nitrogen Dioxide
NO_x - Nitrogen Oxides

CO - Carbon Monoxide
SO_2 - Sulphur Dioxide
TRS - Total Reduced Sulphur
AQI - Air Quality Index

Table 2: Ontario Noncontinuous Air Monitoring Network for 2002

CITY	STATION NAME	ID	TYPE	YR.	LAT.	LONG	ELEV.	TSP	Cd	Cr	Cu	Fe	Mn	Ni	Pb	V	NO_3^-	SO_4^{2-}
ST. MARYS	309 THOMAS ST.	11001	I	79	43:15	81:09	3	6	.	.	.	.	.	.	.	.	.	.
WINDSOR	WRIGHT/WATER ST .	12007	I	84	42:17	83:06	4	6	6	6	6	6	6	6	6	6	6	6
WINDSOR	467 UNIVERSITY AVE. W.	12008	A	70	42:19	83:03	8	6	6	6	6	6	6	6	6	6	6	6
WINDSOR	DROUILLARD RD./RICHMOND ST.	12011	I	88	42:19	83:00	5	6	6	6	6	6	6	6	6	6	.	.
WINDSOR	3665 WYANDOTTE ST. E., FILTRATION PLANT	12013	I	71	42:19	83:00	6	6	6	6	6	6	6	6	6	6	.	.
WINDSOR	COLLEGE/SOUTH ST.	12016	A	75	42:18	83:04	4	6	6	6	6	6	6	6	6	6	6	6
WINDSOR	2885 HOWARD AVE.	12038	I	78	42:17	83:01	4	6	6	6	6	6	6	6	6	6	6	6
WINDSOR	COLUMBUS CTR.	12058	I	93	42:17	83:01	5	6	6	6	6	6	6	6	6	6	6	6
WINDSOR	4989 WALKER RD.	12401	I	01	42:00	82:00	2	6	.	.	.	.	.	.	.	.	.	.
COURTRIGHT	HWY 40 (OPPOSITE OPG)	14016	I	69	42:48	82:29	4	6	6	6	6	6	6	6	6	6	6	6
LONDON	900 HIGHBURY AVE.	15025	A	95	42:61	81:16	4	6	6	6	6	6	6	6	6	6	.	.
BEACHVILLE	CYANAMIDE RD., GORDON PROP.	17014	I	74	43:05	80:50	2	6	.	.	.	.	.	.	.	.	.	.
BEACHVILLE	26 VINE ST., MOE TRAILER	17015	I	89	43:05	80:50	4	6	.	.	.	.	.	.	.	.	.	.
INGERSOLL	HWY 2 R.R. 2, J. SPRIEL PROP.	17020	I	81	43:04	81:49	4	6	.	.	.	.	.	.	.	.	.	.
BEACHVILLE	26 VINE ST., MOE TRAILER	17215	I	89	43:04	80:50	4	6	.	.	.	.	.	.	.	.	.	.
BEACHVILLE	26 VINE ST., MOE TRAILER	17315	I	89	43:04	80:50	4	6	.	.	.	.	.	.	.	.	.	.
NANTICOKE	RAINHAM RD./SANDUSK RD.	22092	I	85	42:49	80:02	4	6	.	.	.	.	.	.	.	.	.	.
NANTICOKE	SANDUSK RD., WALPOLE S. P.S.	22904	I	84	42:50	80:02	4	6	.	.	.	.	.	.	.	.	6	6
NANTICOKE	RAINHAM RD., NEAR STELCO GATE	22907	I	84	42:49	80:05	4	6	.	.	.	.	.	.	.	.	.	.
PEACOCK POINT	697 WESTLAKESHORE RD.	22967	I	01	42:47	79:59	1	6	.	.	.	.	.	.	.	.	.	.
THOROLD	185 QUEEN ST. S.	27052	I	82	43:07	79:12	1	6	6	6	6	6	6	6	6	6	.	.
ST. CATHARINES	27 PLYMOUTH AVE.	27057	I	98	43:06	79:05	4	6	6	6	6	6	6	6	6	6	.	.
THOROLD	BEAVERDAMS/COLLIER	27081	I	99	43:06	79:12	1	6	6	6	6	6	6	6	6	6	.	.
NIAGARA FALLS	7401 PORTAGE RD.	27082	I	99	43:04	79:04	1	6	6	6	6	6	6	6	6	6	.	.
PORT COLBORNE	RODNEY/DAVIS	27083	I	01	42:53	79:14	1	6	6	6	6	6	6	6	6	6	.	.
ST. CATHARINES	10 HEMLOCK ST.	27084	I	01	43:08	79:12	1	3	3	3	3	3	3	3	3	3	.	.
ST. CATHARINES	ST. LAWRENCE SEAWAY AUTHORITY	27085	I	01	43:08	79:12	3	3	3	3	3	3	3	3	3	3	.	.
HAMILTON	ELGIN/KELLY	29000	A	88	43:15	79:52	4	6	.	.	.	.	.	.	.	.	.	.

Table 2: Ontario Noncontinuous Air Monitoring Network for 2002

CITY	STATION NAME	ID	TYPE	YR.	LAT.	LONG	ELEV.	TSP	Cd	Cr	Cu	Fe	Mn	Ni	Pb	V	NO_3^-	SO_4^{2-}
HAMILTON	BURLINGTON/LEEDS	29011	I	73	43:16	79:49	5	6	6	6	6	6	6	6	6	6	6	6
HAMILTON	BURLINGTON/WELLINGTON	29012	I	73	43:16	79:59	7	6	.	.	.	.	.	.	.	.	.	.
HAMILTON	BARTON/SANFORD	29025	I	69	43:16	79:51	4	6	6	6	6	6	6	6	6	6	6	6
HAMILTON	467 BEACH BLVD.	29102	I	85	43:17	79:47	4	6	6	6	6	6	6	6	6	6	6	6
HAMILTON	GERTRUDE/DEPEW	29113	I	86	43:15	79:49	4	6	.	.	.	.	.	.	.	.	.	.
HAMILTON	VICKERS RD./EAST 18TH ST.	29114	A	85	43:14	79:52	3	6	6	6	6	6	6	6	6	6	6	6
HAMILTON	MAIN ST. W./HWY 403	29118	A	85	43:15	79:54	3	6	.	.	.	.	.	.	.	.	.	.
HAMILTON	MORLEY ST./PARKDALE AVE.	29119	I	86	43:15	79:47	4	6	.	.	.	.	.	.	.	.	.	.
HAMILTON	DUNDURN/YORK	29122	I	87	43:16	79:53	10	6	.	.	.	.	.	.	.	.	.	.
HAMILTON	KEEFER COURT/MOEE LAB	29143	I	92	43:24	79:76	4	6	.	.	.	.	.	.	.	.	.	.
HAMILTON	1 HILLYARD ST.	29568	I	02	43:16	79:50	5	3	3	3	3	3	3	3	3	3	.	.
HAMILTON	HILLYARD/BRANT	29569	I	02	43:16	79:50	5	3	3	3	3	3	3	3	3	3	.	.
TORONTO	51 LARCHMOUNT AVE., BRUCE P.S.	31045	I	86	43:40	79:20	6	3	.	.	.	.	.	.	3	.	.	.
TORONTO	MOSLEY ST./LESLIE ST.	31058	I	73	43:40	79:20	5	3	.	.	.	.	.	.	3	.	.	.
TORONTO	633 EASTERN AVE., A.R.CLARKE CO.	31065	I	87	43:40	79:20	12	3	.	.	.	.	.	.	3	.	.	.
TORONTO	138 HAMILTON AVE, WORKS DEPT.	31082	I	74	43:40	79:21	5	3	.	.	.	.	.	.	3	.	.	.
MISSISSAUGA	2360 DIXIE RD.	46047	I	95	43:36	79:35	1	6	.	.	.	.	.	.	6	.	.	.
MISSISSAUGA	APPLE LANE, MEADOWOOD PARK	46117	I	87	43:31	79:36	5	6	6	6	6	6	6	6	6	6	.	.
MISSISSAUGA	JOHN XXIII CATHOLIC SCHOOL	46152	I	02	43:34	79:39	3	3	.	.	.	.	.	.	3	.	.	.
SAULT STE MARIE	BONNEY ST., PUMPHOUSE	71042	I	75	46:31	84:23	2	6	6	6	6	6	6	6	6	6	.	.
TIMMINS	BAKER LAKE	77612	I	02	48:26	81:26	0	6	.	.	.	.	.	.	.	.	.	.
COPPER CLIFF	NICKEL ST.	77614	I	01	46:28	81:04	5	6	6	6	6	6	6	6	6	6	.	.
TOTALS:								**50**	**25**	**25**	**25**	**25**	**25**	**25**	**31**	**25**	**11**	**11**

RECENT CHANGES TO THE 2002 NONCONTINUOUS AIR MONITORING NETWORK:

Stations added to the network: Hamilton (29568); Hamilton (29569); Mississauga (46152); Timmins (77612); and Copper Cliff (77614).
Stations removed from the network: Windsor (12061); Embro (17021); Nanticoke (22964); Hamilton (29009); and Thunder Bay (63046).

LEGEND:

Single Digits	- Sampling cycle in days	TSP	- Total Suspended Particulate	Ni	- Nickel
ID	- Station identification number	Cd	- Cadmium	Pb	- Lead
TYPE	- A: ambient survey; I: source specific survey	Cr	- Chromium	V	- Vanadium
YR.	- Year station began monitoring	Cu	- Copper	$N0_3$	- Nitrate
LAT.	- Latitude (degrees:minutes)	Fe	- Iron	SO_4^{2-}	- Sulphate
LONG.	- Longitude (degrees:minutes)	Mn	- Manganese		
ELEV.	- Air intake height above ground (m)				

Table 3: Ontario Air Monitoring Network for PM_{10} 24-Hour Sampling For 2002

CITY	STATION NAME	ID	TYPE	YR.	LAT.	LONG.	ELEV.	IP	Cu	Fe	Mn	Pb	Cr	Cd	V	Ni	Ca	Zn	SO_4^{2-}
WINDSOR	WRIGHT/WATER ST.	12507	A	90	42:17	82:16	4	6	6	6	6	6	6	6	6	6	6	6	6
WINDSOR	467 UNIVERSITY AVE. W.	12508	A	89	42:19	83:02	8	6	6	6	6	6	6	6	6	6	6	6	6
WINDSOR	3665 WYANDOTTE ST. E.	12513	A	92	42:19	83:00	6	6	6	6	6	6	6	6	6	6	6	6	6
WINDSOR	ST GABRIEL S.S.	12556	A	98	42:19	82:58	6	6	6	6	6	6	6	6	6	6	6	6	6
WINDSOR	ST ALEXANDER S.S.	12559	A	98	42:18	83:01	6	6	6	6	6	6	6	6	6	6	6	6	6
WINDSOR	ST GREGORY'S S.S.	12583	A	98	42:19	82:51	6	6	6	6	6	6	6	6	6	6	6	6	6
SARNIA	6TH LINE, MOORE TOWNSHIP	14550	I	97	42:58	82:24	3	6	6	6	6	6	6	6	6	6	6	6	6
SARNIA	CENTENNIAL PK., FRONT ST./CN TRACKS	14564	A	97	42:59	82:24	3	6	6	6	6	6	6	6	6	6	6	6	6
LONDON	900 HIGHBURY AVE.	15525	A	96	42:61	81:16	4	6	6	6	6	6	6	6	6	6	6	6	6
BEACHVILLE	EARL LANTZ PROP.	17550	I	98	43:07	80:53	6	6	6	6	6	6	6	6	6	6	6	6	6
NANTICOKE	WALPOLE S P.S., SANDUSK RD.	22304	I	92	42:50	80:02	4	6	6	6	6	6	6	6	6	6	6	6	6
ST CATHARINES	KING ST.	27308	I	91	43:10	79:15	12	6	6	6	6	6	6	6	6	6	6	6	6
THOROLD	185 QUEEN ST. S.	27352	I	90	43:07	79:12	4	6	6	6	6	6	6	6	6	6	6	6	6
PORT COLBORNE	RODNEY/DAVIS	27383	I	01	42:53	79:15	1	6	6	6	6	6	6	6	6	6	6	6	.
HAMILTON	ELGIN\KELLY ST.	29300	A	90	43:15	79:52	4	6	6	6	6	6	6	6	6	6	6	6	6
HAMILTON	BEACH BLVD.	29302	I	89	43:17	79:47	4	6	6	6	6	6	6	6	6	6	6	6	6
HAMILTON	GERTRUDE/DEPEW ST.	29313	I	90	43:15	79:49	4	6	6	6	6	6	6	6	6	6	6	6	6
HAMILTON	VICKERS RD./EAST 18TH ST.	29314	A	99	43:14	79:53	4	6	6	6	6	6	6	6	6	6	6	6	6
ETOBICOKE	185 JUDSON ST.	35127	A	97	43:37	79:31	1	6	6	6	6	6	6	6	6	6	6	6	6
OAKVILLE	BRONTE RD/WOBURN CRES.	44127	I	92	43:24	79:44	1	6	6	6	6	6	6	6	6	6	6	6	6
MISSISSAUGA	APPLE LANE, MEADOWOOD PARK	46127	I	93	43:31	79:36	1	6	6	6	6	6	6	6	6	6	6	6	6
THUNDER BAY	JAMES/WALSH ST.	63201	A	89	48:23	89:17	4	6	6	6	6	6	6	6	6	6	6	6	6
THUNDER BAY	CAN-CAR MONTREAL ST.	63246	I	02	48:21	89:17	3	6	6	6	6	6	6	6	6	6	6	6	6
SAULT STE MARIE	BONNEY ST., PUMPHOUSE,	71342	I	89	46:31	84:23	2	6	6	6	6	6	6	6	6	6	6	6	6
SAULT STE MARIE	PATRICK ST., WM. MERRIFIELD SCHOOL	71368	A	90	46:32	84:21	3	6	6	6	6	6	6	6	6	6	6	6	6
SUDBURY	LISGAR ST.	77326	A	91	46:29	80:59	8	6	6	6	6	6	6	6	6	6	6	6	6
COPPER CLIFF	MARKET ST.	77570	I	96	46:28	81:04	4	6	6	6	6	6	6	6	6	6	6	6	6
TIMMINS	BAKER LAKE	77611	I	02	48:26	81:26	2	6	6	6	6	6	6	6	6	6	6	6	6
FALCONBRIDGE	EDISON BUILDING	77613	I	02	46:35	80:48	2	6	6	6	6	6	6	6	6	6	6	6	6
TOTALS:								**29**	**29**	**29**	**29**	**29**	**29**	**29**	**29**	**29**	**29**	**29**	**28**

Notes:

- Samplers operate on a 6-day sampling cycle

RECENT CHANGES TO THE 2002 PM_{10} 24-HOUR AIR MONITORING NETWORK:

Stations added to the network: Timmins (77611); Falconbridge (77613).

Stations removed from the network: Fort Frances (62201).

LEGEND:

ID	- Station identification number	IP	- Inhalable Particulate	Cd	- Cadmium
TYPE	- A: ambient survey; I: source survey	Cu	- Copper	V	- Vanadium
YR.	- Year station began monitoring	Fe	- Iron	Ni	- Nickel
LAT.	- Latitude (degrees:minutes)	Mn	- Manganese	Ca	- Calcium
LONG.	- Longitude (degrees:minutes)	Pb	- Lead	Zn	- Zinc
ELEV.	- Air intake above ground (m)	Cr	- Chromium	SO_4^{2-}	- Sulphate

Table 4: Ontario Meteorological Network for 2002

CITY	STATION NAME	ID	YR.	LAT.	LONG.	WS1/WD1	HT1	WS2/WD2	HT2	WS3/WD3	HT3	TEM.	DT1	DT2
WINDSOR	WRIGHT/WATER ST.	12007	84	42:17	82:16	T	10	T	30	.	.	T	.	.
WINDSOR WEST	COLLEGE/SOUTH ST.	12016	02	42:18	83:04	T	7	.	.	.	.	.	.	.
MERLIN	MIDDLE RD., MOE WATER PUMP STN.	13021	77	42:15	82:13	T	9	.	.	.	.	.	.	.
COURTRIGHT	HWY 40 (OPPOSITE OPG)	14016	75	42:48	82:29	T	10	T	30	T	90	.	.	.
PARKHILL	PUC BUILDING	15013	83	43:10	81:41	T	5	.	.	.	.	.	.	.
LONDON	900 HIGHBURY AVE.	15025	01	42:61	81:16	T	7	.	.	.	.	T	.	.
PORT STANLEY	ELGIN WATER TREATMENT PLANT	16015	02	42:00	81:00	T	10	.	.	.	.	T	.	.
BEACHVILLE	26 VINE ST., MOE TRAILER	17015	89	43:04	80:51	T	9	.	.	.	.	.	.	.
JARVIS	2 KM NE OF JARVIS, HYDRO MET TOWER	22883	84	42:54	80:05	T	10	.	.	T	85	T	.	.
LONG POINT	PROVINCIAL PARK	22901	79	42:35	80:23	T	10	.	.	T	85	T	.	.
NANTICOKE	RAINHAM RD., NEAR STELCO GATE	22907	89	42:48	80:04	T	10	.	.	.	.	.	.	.
CAMBRIDGE	CLYDE RD.	26066	91	43:38	80:29	T	30	.	.	.	.	T	.	.
ELMIRA	UNION/PARK	26070	99	43:35	80:30	T	7	.	.	.	.	.	.	.
ALLANBURG	HWY 58, TRANSFORMER STN.	27011	81	43:04	79:11	.	.	T	37	.	.	T	T	.
HAMILTON	N. BRAMPTON/WOODWARD	29026	75	43:15	79:46	T	10	T	30	T	91	T	T	T
HAMILTON	NIAGARA/LAND ST.	29567	96	43:29	79:55	T	7	.	.	.	.	.	.	.
TORONTO	BRUCE P.S.	31045	02	43:29	79:20	T	21	.	.	.	.	.	.	.
TORONTO EAST	KENNEDY/LAWRENCE	33003	75	43:45	79:16	T	10	T	76	.	.	T	T	.
ETOBICOKE	185 JUDSON ST.	35033	75	43:37	79:31	T	10	T	30	.	.	T	T	.
YORK	CLEARVIEW HEIGHTS	36030	01	43:42	79:29	T	10	.	.	.	.	.	.	.
BURLINGTON	HWY 2/ NORTH SHORE BLVD. E.	44008	79	43.19	79:48	T	10	.	.	.	.	T	.	.
OAKVILLE	BRONTE RD./WOBURN CRES.	44015	80	43:24	79:44	T	10	.	.	.	.	.	.	.
AJAX	230 WESTNEY RD. S.	45082	01	43:50	79:02	T	10	.	.	.	.	T	.	.
BRAMPTON	525 MAIN ST. N., PEEL MANOR	46089	00	43:42	79:47	T	10	.	.	.	.	T	.	.
BARRIE	83 PERRY ST.	47045	01	44:22	79:42	T	10	.	.	.	.	T	.	.
STOUFFVILLE	HWY 47/E. OF HWY 48	48002	82	43:58	79:16	T	10	.	.	.	.	T	.	.
NEWMARKET	EAGLE ST./McCAFFREY RD.	48006	01	44:02	79:28	T	10	.	.	.	.	T	.	.
DORSET	HWY 117/PAINT LAKE RD.	49010	01	45:13	78:56	T	10	.	.	.	.	T	.	.
KINGSTON	133 DALTON AVE.	52020	93	44:15	76:31	T	10	.	.	.	.	.	.	.
PETERBOROUGH	10 HOSPITAL DR.	59006	98	44:18	78:21	T	10	.	.	.	.	T	.	.
DRYDEN	35 VAN HORNE AVE.	61027	84	49:47	92:50	T	18	.	.	.	.	.	.	.
FORT FRANCES	EIGHTH ST./CORNWALL AVE.	62047	90	48:37	93:25	T	10	.	.	.	.	T	.	.

Table 4: Ontario Meteorological Network for 2002

CITY	STATION NAME	ID	YR.	LAT.	LONG.	WS1/WD1	HT1	WS2/WD2	HT2	WS3/WD3	HT3	TEM.	DT1	DT2
MARATHON	PETER ST.	63033	91	48:43	86:23	T	8	.	.	.	.	.	.	.
RED ROCK	SALLS ST.	63084	81	48:57	88:15	T	15	.	.	.	.	.	.	.
TERRACE BAY	SELKIRK ST., ST MARTIN SCHOOL	63090	82	48:47	87:05	T	12	.	.	.	.	.	.	.
THUNDER BAY	JAMES/WALSH ST.	63200	90	48:22	89:17	T	10	.	.	.	.	.	.	.
THUNDER BAY	VICTOR ST.	63202	00	48:20	89:20	T	10	.	.	.	.	.	.	.
SAULT STE. MARIE	PATRICK ST., WM MERRIFIELD SCHOOL	71068	87	46:32	84:21	T	10	.	.	.	.	T	.	.
NORTH BAY	CHIPPEWA ST., DEPT. NATIONAL DEFENCE	75010	87	46:19	79:27	T	10	.	.	.	.	T	.	.
SUDBURY	HANMER	77013	82	46:39	80:57	T	10	.	.	.	.	.	.	.
SUDBURY	699 FROOD RD., CKNC-TV	77025	73	46:30	81:00	T	10	.	.	T	115	T	.	T
TOTALS:						**37**	**37**	**5**	**6**	**5**	**5**	**21**	**4**	**2**

RECENT CHANGES TO THE 2002 METEOROLOGICAL MONITORING NETWORK:

Stations added to the network: Windsor West (12016); Port Stanley (16015); and Toronto (31045).

LEGEND:

ID - Station identification number
YR. - Year station monitoring began
LAT. - Latitude (degrees:minutes)
LONG. - Longitude (degrees:minutes)
T - Telemetry
WS1/WD1 - Wind speed and direction below 23 m
WS2/WD2 - Wind speed and direction 23 m to 76 m
WS3/WD3 - Wind speed and direction above 76 m
HT1 - Sensor height (meters) level 1
HT2 - Sensor height (meters) level 2
HT3 - Sensor height (meters) level 3
TEM. - Ambient temperature
DT1 - Temperature difference level 2 minus level 1
DT2 - Temperature difference level 3 minus level 1

Table 5: Ozone (O_3) Statistics (2002)

Unit: parts per billion (ppb)

O_3 1-hour AAQC is 80 ppb

				PERCENTILES							Maximum		# of Times
ID	City	Location	Valid h	10%	30%	50%	70%	90%	99%	Mean	1h	24h	Above Criterion
12008	Windsor Downtown	467 University Ave.	7299	2	8	17	27	49	89	21.9	124	64	153
12016	Windsor West	College/South St.	7275	0	7	15	24	50	91	20.2	127	66	164
13021	Merlin	Middle Rd., MOE Water Pump Stn.	7282	6	15	22	31	51	89	26.0	118	78	139
14064	Sarnia	Front St./CN Tracks, Centennial Park	7185	5	16	24	32	50	87	26.5	125	74	111
15009	Longwoods	Longwoods Conservation Authority	7304	6	15	23	32	49	86	25.9	113	69	108
15020	Grand Bend	HWY 21/County Rd. 83, Visitor Info. Ctr.	7034	10	21	28	35	50	91	29.8	129	75	131
15025	London	900 Highbury Ave.	6775	4	14	22	30	51	87	25.3	116	76	120
16015	Port Stanley	Elgin Water Treatment Plant	4913	14	23	31	42	66	102	INS	131	87	273
18007	Tiverton	Lot C/Concession 5, Visitor Info. Ctr.	6583	18	26	32	38	56	88	34.7	136	85	123
22071	Simcoe	Hwy 3/Blue Line Rd., Experimental Farm	7997	14	24	31	39	57	89	33.5	132	79	181
22901	Long Point	Provincial Park	7655	12	22	29	38	59	100	32.9	132	90	276
26060	Kitchener	West Ave./Homewood	7370	6	17	25	33	51	85	27.3	107	78	105
27067	St. Catharines	Argyle Cres., Pump Stn.	7380	3	13	21	30	50	83	24.1	111	69	101
28028	Guelph	Exhibition St./Clark St.	8429	8	20	28	35	47	82	28.4	103	69	96
29000	Hamilton Downtown	Elgin/Kelly	7413	1	9	16	25	45	79	20.4	117	71	69
29114	Hamilton Mountain	Vickers Rd./East 18th St.	7213	7	17	24	33	53	86	27.7	121	84	118
29118	Hamilton West	Main St. W./ Hwy 403	7199	2	10	18	26	43	75	20.5	110	65	31
31103	Toronto Downtown	Bay/Wellesley St.	8722	4	13	22	30	46	77	24.0	104	68	61
31190	Toronto **	CN Tower, 301 Front St. W.	8722	16	27	35	43	62	97	37.4	136	97	324
33003	Toronto East	Kennedy/Lawrence	8739	2	11	19	28	41	73	21.0	102	57	48
34020	Toronto North	Hendon/Yonge St.	8712	4	13	23	33	47	81	25.1	113	70	96
35003	Etobicoke West	Elmcrest Rd., Centennial Park	7273	2	10	19	28	46	81	22.0	105	67	78
35033	Etobicoke South	185 Judson St.	7267	3	10	17	26	40	72	20.2	97	50	25
36030	York	Clearview Hts./Keele St.	7201	3	7	16	26	45	85	20.6	117	64	99
44008	Burlington	Hwy 2/North Shore Blvd. E.	8675	6	16	24	33	48	80	26.3	111	76	86
44015	Oakville	Bronte Rd./Woburn Cres.	7161	4	13	23	32	49	81	25.1	105	64	76
45025	Oshawa	Ritson Rd./Olive Ave., Ritson Rd. Public School	8620	5	15	24	31	43	75	24.3	110	67	55
46089	Brampton	525 Main St. N., Peel Manor	8717	5	17	25	33	46	76	26.2	107	72	58
46110	Mississauga	Mississauga General Hospital	8342	3	12	21	30	45	79	23.1	111	62	72
47045	Barrie	83 Perry St.	8689	5	17	26	34	46	72	26.1	103	63	39
48002	Stouffville	Hwy 47/ E. Of Hwy 48	8536	11	23	30	36	49	82	30.6	129	73	90
48006	Newmarket	Eagle St./McCaffrey Rd.	8723	11	23	31	38	51	84	31.4	113	72	115
49005	Parry Sound	7 Bay St.	4715	14	25	31	40	58	82	INS	102	70	53
49010	Dorset	Hwy 117 / Paint Lake Rd.	7919	14	25	33	39	50	74	32.4	106	59	38
51001	Ottawa	Rideau/Wurtemburg St.	7990	6	17	24	32	43	64	24.9	90	61	7
52020	Kingston	133 Dalton St.	7404	2	12	21	29	44	80	23.0	115	75	70
56051	Cornwall	Bedford/Third St.	7098	5	17	24	31	43	71	24.8	87	69	12
59006	Peterborough	10 Hospital Dr.	8685	11	22	30	37	48	85	30.5	116	70	110

Table 5: Ozone (O_3) Statistics (2002)

Unit: parts per billion (ppb)

O_3 1-hour AAQC is 80 ppb

				P E R C E N T I L E S							Maximum		# of Times
ID	City	Location	Valid h	10%	30%	50%	70%	90%	99%	Mean	1h	24h	Above Criterion
62200	Fort Frances	Armit Ave./4th Street, Robert Moore P.S.	7627	13	22	28	34	43	61	28.4	74	60	0
63200	Thunder Bay	615 James St. S., MTO	7110	4	17	24	31	39	55	23.4	78	48	0
71068	Sault Ste. Marie	Patrick St., Wm. Merrifield School	7249	6	17	25	31	39	59	24.2	83	53	2
75010	North Bay	Chippawa St., Dept. National Defence	8708	7	20	27	34	44	70	26.8	93	62	21
77203	Sudbury	Science North	8554	14	22	29	35	44	67	29.2	104	65	11

Notes:

***CN Tower Site (Station 31190) - measurements taken at 444 m above ground level.*

Table 6: Fine Particulate Matter ($PM_{2.5}$) Statistics (2002)

Unit: micrograms per cubic metre ($\mu g/m^3$)

				PERCENTILES							Maximum		# of Times
ID	City	Location	Valid h	10%	30%	50%	70%	90%	99%	Mean	1 h	24 h	Above Benchmark
12007	Windsor	Wright/Water St.	7101	3	6	9	14	26	45	12.2	88	54	14
12008	Windsor Downtown	467 University Ave.	6697	2	4	7	11	21	46	9.8	75	56	10
12016	Windsor West	College/South St.	7045	2	5	9	13	26	51	11.8	74	56	18
14064	Sarnia	Front St./CN Tracks, Centennial Park	6968	2	4	7	12	26	49	10.9	87	49	14
16015	Port Stanley	Elgin Water Treatment Plant	3842	2	4	7	12	24	47	INS	65	41	6
18007	Tiverton	Lot C/Concession 5, Visitor Info. Ctr.	6589	1	2	4	8	19	40	7.6	69	44	6
26060	Kitchener	West Ave./Homewood	6562	1	3	5	9	19	40	INS	53	42	5
27067	St. Catharines	Argyle Cres., Pump Stn.	7128	1	3	6	9	20	44	8.5	84	45	9
28028	Guelph	Exhibition St./Clark St.	8445	2	3	5	9	18	39	7.9	56	42	4
29000	Hamilton Downtown	Elgin/Kelly	7408	5	7	10	14	26	47	13.0	83	43	16
29114	Hamilton Mountain	Vickers Rd./East 18th St.	7122	2	4	6	9	21	42	8.9	75	39	7
31103	Toronto Downtown	Bay/Wellesley St.	7700	1	3	5	9	20	49	8.6	140	47	12
33003	Toronto East	Kennedy/Lawrence	8176	2	4	6	10	21	48	9.2	139	50	13
34020	Toronto North	Hendon/Yonge St.	8053	1	4	6	9	20	43	8.7	127	46	10
35003	Etobicoke West	Elmcrest Rd., Centennial Park	8379	2	4	6	10	20	44	9.1	142	46	10
35033	Etobicoke South	185 Judson St.	7307	1	4	7	12	25	52	10.6	131	49	15
44008	Burlington	Hwy 2/North Shore Blvd. E.	8213	2	4	6	10	21	45	9.4	97	43	12
45025	Oshawa	Ritson Rd./Olive Ave., Ritson Rd. Public School	8261	1	3	6	10	21	50	9.1	133	57	14
46089	Brampton	525 Main St. N., Peel Manor	8193	1	3	6	9	19	41	8.4	104	42	6
46110	Mississauga	Mississauga General Hospital	8052	2	4	6	9	19	41	8.6	119	38	5
46117	Mississauga	Apple Lane, Meadowood Park	3628	2	4	7	10	20	46	INS	62	44	6
47045	Barrie	83 Perry St.	8690	1	3	5	8	17	38	7.4	134	36	6
48006	Newmarket	Eagle St./Mccaffrey Rd.	8704	1	3	5	9	18	42	8.0	143	43	8
49010	Dorset	Hwy 117 / Paint Lake Rd.	2605	3	5	7	11	20	38	INS	67	31	2
51001	Ottawa	Rideau/Wurtemburg St.	7263	1	3	5	8	17	36	7.5	129	70	4
59006	Peterborough	10 Hospital Dr.	8373	1	3	5	8	17	40	7.4	164	72	7
63200	Thunder Bay	615 James St. S., MTO	7387	1	2	4	7	14	32	6.2	199	37	3
71068	Sault Ste. Marie	Patrick St., Wm. Merrifield School	6528	0	2	5	10	23	55	8.7	110	43	5
71080	Sault Ste. Marie	Easterday Ave. (U.S.A.)	8249	1	2	4	6	12	27	5.6	54	33	2
75010	North Bay	Chippawa St., Dept. National Defence	8682	1	2	4	7	15	36	6.5	61	30	0

Notes:

- There were two PM2.5 episodes that resulted in extremely elevated concentrations in Ontario:

- The first episode occurred on June 6 and 7, 2002 in Thunder Bay due to a local forest fire.

- Another PM2.5 episode occurred on July 6 and 7, 2002 across parts of southern and eastern Ontario, and was a attributed to forest fires in Quebec.

- Measurements taken by Tapered Element Oscillating Microbalance (TEOM) sampler.

- Benchmark value is based on 30 $\mu g/m^3$ for 24 hours.

Table 7: Inhalable Particles (PM_{10}) Statistics (2002)

Unit: micrograms per cubic metre ($\mu g/m^3$)
PM_{10} 24-hour interim AAQC is 50 $\mu g/m^3$

				PERCENTILES							Maximum		# of Times
ID	City	Location	Valid h	10%	30%	50%	70%	90%	99%	Mean	1 h	24 h	Above Criterion
15025	London	900 Highbury Ave.	4430	6	12	17	25	41	79	INS	145	59	4
22907	Nanticoke	Rainham Rd., Near Stelco Gate	6253	9	13	18	29	52	91	INS	183	84	19
29565	Hamilton	Homeside II, Stratherne Ave. N	7347	8	13	17	24	42	73	21.6	172	64	8
29567	Hamilton	Niagara/Land St.	7353	6	12	19	31	58	126	27.5	385	151	24

Notes:

- Measurements taken by Tapered Element Oscillating Microbalance (TEOM) sampler.

Table 8: Suspended Particles (SP) Statistics (2002)

Unit: COHS/1000 FT
COH 24-hour AAQC is 1.0 COH unit
COH 1-year AAQC is 0.5 COH unit

				PERCENTILES							Maximum		# of Times	
ID	City	Location	Valid h	10%	30%	50%	70%	90%	99%	Mean	1h	24h	24h	1y
29000	Hamilton Downtown	Elgin/Kelly	7409	0.0	0.1	0.1	0.2	0.3	0.7	0.2	1.9	0.7	0	0
29565	Hamilton	Homeside II, Stratherne Ave. N	7000	0.1	0.1	0.2	0.3	0.5	1.2	0.3	3.1	1.1	2	0
35033	Etobicoke South	185 Judson St.	7472	0.1	0.1	0.2	0.3	0.7	1.4	0.3	2.8	1.0	1	0
36030	York	Clearview Hts./Keele St.	7111	0.0	0.1	0.1	0.2	0.5	1.1	0.2	2.7	0.8	0	0
46110	Mississauga	Mississauga General Hospital	6987	0.1	0.1	0.2	0.2	0.5	1.0	0.2	2.0	0.7	0	0
71068	Sault Ste. Marie	Patrick St., Wm. Merrifield School	7106	0.0	0.1	0.1	0.2	0.4	0.9	0.2	2.1	0.7	0	0

Table 9: Mercury (Hg) Statistics (2002)

Unit: nanograms per cubic metre (ng/m^3)
Hg 1-hour AAQC is 5000 ng/m^3

				PERCENTILES							Maximum		# of Times
ID	City	Location	Valid h	10%	30%	50%	70%	90%	99%	Mean	1h	24h	Above Criterion
46110	Mississauga	Mississauga General Hospital	6605	1.50	1.69	1.81	1.97	2.40	3.79	1.91	26.06	3.43	0

Table 10: Nitric Oxide (NO) Statistics (2002)

Unit: parts per billion (ppb)

				PERCENTILES							Maximum	
ID	**City**	**Location**	**Valid h**	**10%**	**30%**	**50%**	**70%**	**90%**	**99%**	**Mean**	**1h**	**24h**
12008	Windsor Downtown	467 University Ave.	7285	2	3	5	9	24	103	10.9	250	144
12016	Windsor West	College/South St.	7274	1	3	6	10	25	142	13.0	624	257
14064	Sarnia	Front St./CN Tracks, Centennial Park	7178	1	2	3	5	16	70	7.1	345	144
15025	London	900 Highbury Ave.	6220	2	3	4	6	13	62	INS	181	65
22071	Simcoe	Hwy 3/Blue Line Rd., Experimental Farm	7019	0	0	0	1	2	9	0.9	77	20
22086	Nanticoke	Cheapside Rd.	8430	1	1	1	2	4	12	2.0	56	16
22901	Long Point	Provincial Park	6482	0	0	0	0	1	7	INS	65	13
26060	Kitchener	West Ave./Homewood	6704	0	1	2	3	8	41	3.8	159	33
27067	St. Catharines	Argyle Cres., Pump Stn.	5252	0	0	1	3	11	49	INS	112	45
28028	Guelph	Exhibition St./Clark St.	7834	1	1	2	2	7	49	3.9	189	84
29000	Hamilton Downtown	Elgin/Kelly	7408	1	2	4	8	23	104	10.4	358	95
29102	Hamilton	467 Beach Blvd.	6802	1	4	11	23	48	124	19.6	383	98
29114	Hamilton Mountain	Vickers Rd./East 18th St.	6414	0	2	3	5	13	71	INS	493	114
29118	Hamilton West	Main St. W./ Hwy 403	6990	1	2	4	10	45	157	16.0	382	140
31103	Toronto Downtown	Bay/Wellesley St.	8723	1	2	3	6	20	82	8.2	216	93
31190	Toronto **	CN Tower, 301 Front St. W.	7693	0	1	1	2	5	19	2.3	88	24
33003	Toronto East	Kennedy/Lawrence	8737	1	4	8	15	37	131	16.1	366	150
34020	Toronto North	Hendon/Yonge St.	8710	1	2	4	10	32	111	12.4	330	148
35003	Etobicoke West	Elmcrest Rd., Centennial Park	8671	1	2	3	7	30	124	11.7	556	215
35033	Etobicoke South	185 Judson St.	7121	2	6	11	22	60	159	23.3	555	189
36030	York	Clearview Hts./Keele St.	7282	2	4	7	13	43	172	18.8	742	214
44008	Burlington	Hwy 2/North Shore Blvd. E.	7813	1	3	5	10	26	113	11.8	383	100
44015	Oakville	Bronte Rd./Woburn Cres.	6219	1	2	4	7	22	99	INS	417	94
45025	Oshawa	Ritson Rd./Olive Ave., Ritson Rd. Public School	8655	1	2	3	8	23	102	10.0	293	114
46089	Brampton	525 Main St. N., Peel Manor	8718	1	2	3	6	20	101	9.1	379	137
46110	Mississauga	Mississauga General Hospital	8186	1	3	5	10	32	130	13.8	599	188
46117	Mississauga	Apple Lane, Meadowood Park	3658	0	0	1	2	16	85	INS	366	100
47045	Barrie	83 Perry St.	8589	1	1	2	4	13	97	7.3	446	118
48006	Newmarket	Eagle St./McCaffrey Rd.	8517	1	1	2	3	8	50	4.6	174	56
51001	Ottawa	Rideau/Wurtemburg St.	6337	1	2	4	6	16	82	INS	191	85
59006	Peterborough	10 Hospital Dr.	8116	0	1	2	3	7	46	3.8	131	39
63200	Thunder Bay	615 James St. S., MTO	7215	1	2	4	6	17	108	9.1	367	121
71068	Sault Ste. Marie	Patrick St., Wm. Merrifield School	5128	1	1	2	4	15	65	INS	230	59
75010	North Bay	Chippawa St., Dept. National Defence	8709	0	1	2	4	14	84	6.7	213	69
77203	Sudbury	Science North	8555	1	1	2	3	6	27	3.2	112	29

Notes:

***CN Tower Site (Station 31190) - measurements taken at 444 m above ground level.*

Table 11: Nitrogen Dioxide (NO_2) Statistics (2002)

Unit: parts per billion (ppb)

NO_2 1-hour AAQC is 200 ppb

NO_2 24-hour AAQC is 100 ppb

													# of Times Above Criteria	
				P E R C E N T I L E S							Maximum			
ID	City	Location	Valid h	10%	30%	50%	70%	90%	99%	Mean	1h	24h	1h	24h
12008	Windsor Downtown	467 University Ave.	7285	9	13	18	23	32	47	19.1	69	46	0	0
12016	Windsor West	College/South St.	7274	8	13	18	23	33	52	19.6	93	62	0	0
14064	Sarnia	Front St./CN Tracks, Centennial Park	7180	6	11	16	22	30	47	17.5	75	47	0	0
15025	London	900 Highbury Ave.	6220	4	7	11	17	28	49	INS	110	59	0	0
22071	Simcoe	Hwy 3/Blue Line Rd., Experimental Farm	7019	3	5	6	8	14	28	7.6	53	32	0	0
22086	Nanticoke	Cheapside Rd.	8430	3	5	7	8	12	20	7.3	117	29	0	0
22901	Long Point	Provincial Park	6482	2	3	5	7	12	26	INS	51	31	0	0
26060	Kitchener	West Ave./Homewood	6704	4	7	10	14	23	37	11.9	52	32	0	0
27067	St. Catharines	Argyle Cres., Pump Stn.	5252	3	6	9	14	24	42	INS	53	36	0	0
28028	Guelph	Exhibition St./Clark St.	7834	4	7	10	15	24	39	12.5	56	39	0	0
29000	Hamilton Downtown	Elgin/Kelly	7408	10	14	19	25	36	51	20.9	69	51	0	0
29102	Hamilton	467 Beach Blvd.	6802	6	16	24	29	39	56	23.2	80	56	0	0
29114	Hamilton Mountain	Vickers Rd./East 18th St.	6414	6	10	13	18	28	45	INS	65	37	0	0
29118	Hamilton West	Main St. W./ Hwy 403	6990	7	12	16	23	35	55	19.0	84	56	0	0
31103	Toronto Downtown	Bay/Wellesley St.	8723	11	16	21	28	39	56	23.3	99	53	0	0
31190	Toronto **	CN Tower, 301 Front St. W.	7693	3	6	8	12	19	31	10.0	54	32	0	0
33003	Toronto East	Kennedy/Lawrence	8737	9	16	21	26	36	51	22.0	89	46	0	0
34020	Toronto North	Hendon/Yonge St.	8710	7	12	19	27	38	52	21.0	81	47	0	0
35003	Etobicoke West	Elmcrest Rd., Centennial Park	8671	8	13	18	25	36	50	20.3	92	50	0	0
35033	Etobicoke South	185 Judson St.	7121	11	18	24	31	43	71	26.1	110	63	0	0
36030	York	Clearview Hts./Keele St.	7282	9	15	21	28	39	55	22.8	141	57	0	0
44008	Burlington	Hwy 2/North Shore Blvd. E.	7813	6	12	16	22	32	46	17.9	65	37	0	0
44015	Oakville	Bronte Rd./Woburn Cres.	6219	5	10	14	20	28	39	INS	56	33	0	0
45025	Oshawa	Ritson Rd./Olive Ave., Ritson Rd. Public School	8655	5	9	15	22	33	50	17.2	83	40	0	0
46089	Brampton	525 Main St. N., Peel Manor	8718	5	8	13	20	34	48	16.3	66	45	0	0
46110	Mississauga	Mississauga General Hospital	8186	8	13	17	24	34	47	19.5	95	47	0	0
46117	Mississauga	Apple Lane, Meadowood Park	3658	3	7	12	18	28	42	INS	91	39	0	0
47045	Barrie	83 Perry St.	8589	5	8	12	17	28	45	14.4	71	45	0	0
48006	Newmarket	Eagle St./McCaffrey Rd.	8517	4	6	8	13	24	40	11.5	54	39	0	0
51001	Ottawa	Rideau/Wurtemburg St.	6337	4	8	12	19	31	44	INS	55	39	0	0
59006	Peterborough	10 Hospital Dr.	8116	3	4	7	11	21	40	9.8	53	37	0	0
63200	Thunder Bay	615 James St. S., MTO	7215	3	6	10	14	24	41	11.9	64	36	0	0
71068	Sault Ste. Marie	Patrick St., Wm. Merrifield School	5128	2	4	7	13	23	38	INS	53	29	0	0
75010	North Bay	Chippawa St., Dept. National Defence	8709	2	4	7	11	24	43	10.1	55	36	0	0
77203	Sudbury	Science North	8555	3	5	6	9	16	37	8.3	57	27	0	0

Notes:

***CN Tower Site (Station 31190) - measurements taken at 444 m above ground level.*

Table 12: Nitrogen Oxides (NO_x) Statistics (2002)

Unit: parts per billion (ppb)

				PERCENTILES							Maximum	
ID	**City**	**Location**	**Valid h**	**10%**	**30%**	**50%**	**70%**	**90%**	**99%**	**Mean**	**1h**	**24h**
12008	Windsor Downtown	467 University Ave.	7285	10	16	23	32	53	142	29.2	313	190
12016	Windsor West	College/South St.	7274	11	17	24	33	56	188	32.5	717	320
14064	Sarnia	Front St./CN Tracks, Centennial Park	7178	8	13	19	28	45	106	24.6	403	191
15025	London	900 Highbury Ave.	6220	7	11	15	23	40	105	INS	277	124
22071	Simcoe	Hwy 3/Blue Line Rd., Experimental Farm	7019	3	5	6	9	15	35	8.3	124	52
22086	Nanticoke	Cheapside Rd.	8430	5	7	8	11	15	28	9.5	120	35
22901	Long Point	Provincial Park	6482	2	3	5	7	13	29	INS	114	43
26060	Kitchener	West Ave./Homewood	6704	5	8	12	17	29	70	15.5	196	54
27067	St. Catharines	Argyle Cres., Pump Stn.	5252	5	7	11	18	33	83	INS	157	78
28028	Guelph	Exhibition St./Clark St.	7834	5	8	11	17	30	83	15.9	227	121
29000	Hamilton Downtown	Elgin/Kelly	7408	11	17	24	32	57	147	31.4	416	137
29102	Hamilton	467 Beach Blvd.	6802	7	21	36	53	83	164	42.3	433	137
29114	Hamilton Mountain	Vickers Rd./East 18th St.	6414	7	12	16	22	40	101	INS	409	121
29118	Hamilton West	Main St. W./ Hwy 403	6990	9	15	21	34	79	202	35.3	465	188
31103	Toronto Downtown	Bay/Wellesley St.	8723	12	18	25	35	58	130	31.5	278	137
31190	Toronto **	CN Tower, 301 Front St. W.	7693	4	7	9	14	23	50	12.2	142	56
33003	Toronto East	Kennedy/Lawrence	8737	11	21	29	41	71	175	37.7	425	192
34020	Toronto North	Hendon/Yonge St.	8710	8	15	24	38	68	153	33.4	391	192
35003	Etobicoke West	Elmcrest Rd., Centennial Park	8671	10	16	22	32	64	166	32.0	645	265
35033	Etobicoke South	185 Judson St.	7121	15	25	35	54	103	209	49.3	645	237
36030	York	Clearview Hts./Keele St.	7282	14	22	30	43	81	221	43.0	890	278
44008	Burlington	Hwy 2/North Shore Blvd. E.	7813	7	14	21	30	55	151	28.4	440	136
44015	Oakville	Bronte Rd./Woburn Cres.	6219	6	12	18	26	48	129	INS	468	124
45025	Oshawa	Ritson Rd./Olive Ave., Ritson Rd. Public School	8655	6	11	20	30	55	141	27.2	341	147
46089	Brampton	525 Main St. N., Peel Manor	8718	7	11	16	25	52	142	25.1	432	182
46110	Mississauga	Mississauga General Hospital	8186	11	17	23	33	65	170	33.2	683	236
46117	Mississauga	Apple Lane, Meadowood Park	3658	4	8	14	21	44	117	INS	456	140
47045	Barrie	83 Perry St.	8589	6	10	14	21	41	134	21.4	516	162
48006	Newmarket	Eagle St./McCaffrey Rd.	8517	4	6	10	16	31	85	15.1	208	92
51001	Ottawa	Rideau/Wurtemburg St.	6337	6	10	15	23	45	121	INS	235	123
59006	Peterborough	10 Hospital Dr.	8116	4	6	9	14	27	83	13.5	171	71
63200	Thunder Bay	615 James St. S., MTO	7215	5	9	14	20	40	143	20.8	429	144
71068	Sault Ste. Marie	Patrick St., Wm. Merrifield School	5128	3	5	9	17	38	95	INS	264	84
75010	North Bay	Chippawa St., Dept. National Defence	8709	3	6	9	14	38	122	16.5	262	104
77203	Sudbury	Science North	8555	4	6	8	11	20	58	10.9	166	55

Notes:

***CN Tower Site (Station 31190) - measurements taken at 444 m above ground level.*

Table 13: Carbon Monoxide (CO) Statistics (2002)

Unit: parts per million (ppm)
CO 1-hour AAQC is 30 ppm
CO 8-hour AAQC is 13 ppm

				P E R C E N T I L E S							Maximum		# of Times Above Criteria	
ID	City	Location	Valid h	10%	30%	50%	70%	90%	99%	Mean	1h	8h	1h	8h
12008	Windsor Downtown	467 University Ave.	7303	0.04	0.16	0.30	0.59	1.10	1.75	0.46	4.25	2.77	0	0
14064	Sarnia	Front St./CN Tracks, Centennial Park	2213	0.01	0.07	0.12	0.18	0.27	0.69	INS	1.83	0.95	0	0
15025	London	900 Highbury Ave.	7222	0.00	0.03	0.08	0.14	0.26	0.69	0.12	2.27	0.95	0	0
26060	Kitchener	West Ave./Homewood	6627	0.11	0.21	0.29	0.38	0.57	0.94	0.32	3.31	1.95	0	0
27067	St. Catharines	Argyle Cres., Pump Stn.	3484	0.13	0.26	0.32	0.38	0.49	0.95	INS	1.53	1.24	0	0
29000	Hamilton Downtown	Elgin/Kelly	5005	0.37	0.50	0.57	0.67	0.85	1.30	INS	2.33	1.67	0	0
29118	Hamilton West	Main St. W./ Hwy 403	6953	0.20	0.29	0.40	0.57	0.89	1.53	0.48	3.02	2.09	0	0
31103	Toronto Downtown	Bay/Wellesley St.	8728	0.22	0.46	0.78	0.96	1.13	1.46	0.72	2.88	2.14	0	0
35003	Etobicoke West	Elmcrest Rd., Centennial Park	8679	0.18	0.43	0.59	0.73	0.99	1.47	0.60	3.13	2.55	0	0
35033	Etobicoke South	185 Judson St.	7820	0.52	0.70	0.86	1.03	1.29	1.78	0.89	4.59	3.45	0	0
36030	York	Clearview Hts./Keele St.	7264	0.20	0.34	0.45	0.62	0.97	1.90	0.54	5.26	3.54	0	0
44008	Burlington	Hwy 2/North Shore Blvd. E.	8686	0.25	0.52	0.74	1.02	1.24	1.55	0.76	2.76	1.96	0	0
44015	Oakville	Bronte Rd./Woburn Cres.	7163	0.32	0.44	0.53	0.65	0.85	1.21	0.56	2.50	1.62	0	0
46089	Brampton	525 Main St. N., Peel Manor	8728	0.28	0.57	0.86	1.05	1.27	1.93	0.82	4.43	2.72	0	0
46110	Mississauga	Mississauga General Hospital	8586	0.20	0.41	0.72	0.90	1.23	1.83	0.70	5.98	3.71	0	0
47045	Barrie	83 Perry St.	8693	0.31	0.55	0.73	0.89	1.09	1.64	0.73	4.50	2.75	0	0
48006	Newmarket	Eagle St./McCaffrey Rd.	8728	0.20	0.41	0.53	0.64	0.85	1.11	0.53	2.25	1.49	0	0
51001	Ottawa	Rideau/Wurtemburg St.	7013	0.35	0.51	0.71	0.83	1.00	1.58	0.69	2.76	1.84	0	0
59006	Peterborough	10 Hospital Dr.	8706	0.19	0.35	0.46	0.57	0.73	1.23	0.47	2.73	1.60	0	0
63200	Thunder Bay	615 James St. S., MTO	7286	0.14	0.27	0.38	0.55	0.94	1.68	0.47	4.29	3.05	0	0
77203	Sudbury	Science North	8559	0.21	0.39	0.54	0.70	0.93	1.37	0.56	2.45	1.98	0	0

Table 14: Sulphur Dioxide (SO_2) Statistics (2002)

Unit: parts per billion (ppb)
SO_2 1-hour AAQC is 250 ppb
SO_2 24-hour AAQC is 100 ppb
SO_2 1-year AAQC is 20 ppb

				P E R C E N T I L E S							Maximum		# of Times Above Criteria		
ID	City	Location	Valid h	10%	30%	50%	70%	90%	99%	Mean	1h	24h	1h	24h	1y
12007	Windsor	Wright/Water St.	7156	0	1	3	5	11	29	4.8	73	23	0	0	0
12008	Windsor Downtown	467 University Ave.	7295	0	1	3	6	15	40	5.7	73	29	0	0	0
12016	Windsor West	College/South St.	7272	0	2	5	9	19	48	7.9	127	46	0	0	0
14016	Courtright	Hwy 40 (Opposite OPG)	7141	0	1	2	4	11	57	5.2	193	61	0	0	0
14064	Sarnia	Front St./CN Tracks, Centennial Park	7184	0	2	3	6	25	123	10.4	254	93	1	0	0
15025	London	900 Highbury Ave.	7066	0	0	1	3	6	12	2.2	39	10	0	0	0
22071	Simcoe	Hwy 3/Blue Line Rd., Experimental Farm	6647	0	1	2	4	7	18	3.4	118	17	0	0	0
22086	Nanticoke	Cheapside Rd. (3 km S. of HWY 3)	8722	1	1	2	4	10	25	4.0	76	21	0	0	0
22901	Long Point	Provincial Park	7599	0	1	2	3	6	14	2.5	65	15	0	0	0
22904	Nanticoke	Sandusk Rd., Walpole South P.S.	7923	0	2	3	6	13	28	5.4	201	24	0	0	0
22907	Nanticoke	Rainham Rd., Near Stelco Gate	8537	0	1	2	5	14	35	5.2	148	52	0	0	0
22911	Balmoral	Concession 8/Rainham Twp.	1881	0	0	2	3	6	14	INS	118	12	0	0	0
26060	Kitchener	West Ave./Homewood	7373	1	1	2	3	6	13	2.8	32	11	0	0	0
26070	Elmira	Union/Park	6730	0	1	2	3	7	40	3.6	99	35	0	0	0
27067	St. Catharines	Argyle Cres., Pump Stn.	6277	0	1	3	4	8	18	INS	37	19	0	0	0
29000	Hamilton Downtown	Elgin/Kelly	7408	0	2	4	5	10	29	4.9	70	25	0	0	0
29025	Hamilton	Barton/Wentworth St.	6829	1	2	3	5	12	36	5.2	109	25	0	0	0
29102	Hamilton	467 Beach Blvd.	6739	1	2	4	9	29	66	10.1	166	57	0	0	0
29114	Hamilton Mountain	Vickers Rd./E. 18th St.	7191	1	2	3	5	10	25	4.8	56	21	0	0	0
29118	Hamilton West	Main St. W./ Hwy 403	7212	0	0	1	3	7	19	2.6	41	16	0	0	0
31103	Toronto Downtown	Bay/Wellesley St.	8702	1	2	3	4	9	19	4.0	40	18	0	0	0
35003	Etobicoke West	Elmcrest Rd., Centennial Park	8682	3	4	4	5	9	22	5.4	211	23	0	0	0
35033	Etobicoke South	185 Judson St.	7819	2	2	3	5	9	21	4.5	43	16	0	0	0
36030	York	Clearview Hts./Keele St.	7178	1	1	2	3	7	19	3.2	45	16	0	0	0
44008	Burlington	Hwy 2/North Shore Blvd. E.	8682	3	4	5	6	9	18	5.9	37	17	0	0	0
44015	Oakville	Bronte Rd./Woburn Cres.	7188	0	1	3	5	11	25	4.3	80	26	0	0	0
46089	Brampton	525 Main St. N., Peel Manor	8721	1	1	2	3	6	15	2.7	52	15	0	0	0
46110	Mississauga	Mississauga General Hospital	5489	2	3	3	5	8	20	INS	162	17	0	0	0
47045	Barrie	83 Perry St.	8690	1	1	2	2	5	10	2.3	25	13	0	0	0
48006	Newmarket	Eagle St./McCaffrey Rd.	8724	0	0	1	3	6	14	2.2	35	18	0	0	0
51001	Ottawa	Rideau/Wurtemburg St.	7317	1	1	2	3	6	15	2.9	45	10	0	0	0
56051	Cornwall	Bedford/Third St.	5112	1	3	5	6	9	20	INS	35	18	0	0	0
59006	Peterborough	10 Hospital Dr.	8706	0	0	1	1	4	10	1.4	21	11	0	0	0
63200	Thunder Bay	615 James St. S., MTO	7343	0	0	0	0	1	8	0.5	46	5	0	0	0
71068	Sault Ste. Marie	Patrick St., Wm. Merrifield School	7269	0	0	0	1	3	31	1.7	59	24	0	0	0
77012	Sudbury	Skead	7935	0	1	1	2	11	94	5.9	311	60	1	0	0

Table 14: Sulphur Dioxide (SO_2) Statistics (2002)

Unit: parts per billion (ppb)
SO_2 1-hour AAQC is 250 ppb
SO_2 24-hour AAQC is 100 ppb
SO_2 1-year AAQC is 20 ppb

				P E R C E N T I L E S							Maximum		# of Times Above Criteria		
ID	City	Location	Valid h	10%	30%	50%	70%	90%	99%	Mean	1h	24h	1h	24h	1y
77013	Sudbury	Hanmer	8667	0	0	0	1	4	48	2.6	183	30	0	0	0
77016	Sudbury	Ash St.	8715	0	0	1	3	15	68	5.6	397	47	3	0	0
77028	Coniston	Government Rd./Edward St.	8704	0	0	1	1	5	56	3.3	237	42	0	0	0
77065	Garson	Falconbridge Rd.	8591	0	1	1	2	8	70	4.6	450	43	4	0	0
77075	New Sudbury	Kennedy St.	8579	0	0	1	2	8	82	4.5	381	35	3	0	0
77201	Sudbury	Mikkola, J. Hamilton School	8651	0	0	1	1	4	54	3.0	427	43	3	0	0
77203	Sudbury	Science North	8534	0	0	1	1	6	53	3.1	334	35	1	0	0
77206	Rayside	St. Laurent/Regional Rd.	8710	0	0	0	1	2	24	1.3	153	24	0	0	0
77218	Copper Cliff	Market St.	8704	0	0	0	1	12	76	4.9	356	43	3	0	0
77225	Sudbury	Robinson School	8710	0	1	1	2	8	70	4.1	273	37	1	0	0
77228	Sudbury	Mary/Glover St.	8670	0	0	1	2	8	51	3.7	661	58	2	0	0

Table 15: Total Reduced Sulphur (TRS) Statistics (2002)

Unit: parts per billion (ppb)

TRS 1-hour AAQC is 27 ppb

				PERCENTILES							Maximum		# of Times
ID	City	Location	Valid h	10%	30%	50%	70%	90%	99%	Mean	1h	24h	Above Criterion
12007	Windsor	Wright/Water St.	7153	0	0	1	2	5	19	2.1	149	50	37
12016	Windsor West	College/South St.	7136	0	0	0	1	4	26	2.1	147	37	66
14064	Sarnia	Front St./CN Tracks, Centennial Park	7158	0	0	0	1	2	7	0.9	18	10	0
22904	Nanticoke	Sandusk Rd., Walpole South P.S.	8408	0	0	0	1	1	2	0.4	11	2	0
22907	Nanticoke	Rainham Rd., Near Stelco Gate	8308	0	0	0	1	2	5	0.7	38	5	2
26070	Elmira	Union/Park	6861	0	0	0	1	1	2	0.5	11	2	0
29000	Hamilton Downtown	Elgin/Kelly	6896	0	0	0	0	1	6	0.5	18	7	0
29025	Hamilton	Barton/Wentworth St.	6735	0	0	1	1	1	4	0.6	11	3	0
29102	Hamilton	467 Beach Blvd.	6090	0	0	1	1	3	8	INS	86	12	2
29114	Hamilton Mountain	Vickers Rd./East 18th St.	7048	0	0	0	1	1	2	0.4	6	2	0
29118	Hamilton West	Main St. W./ Hwy 403	6819	0	0	0	0	1	3	0.3	5	2	0
29547	Hamilton	Pier 25/Beach Strip	7176	0	0	1	1	2	8	1.0	197	16	5
29567	Hamilton	Niagara/Land St.	6946	0	0	0	0	1	6	0.5	23	6	0
44015	Oakville	Bronte Rd./Woburn Cres.	7188	0	1	1	1	2	3	1.1	6	2	0
56051	Cornwall	Bedford/Third St.	3732	0	1	2	3	5	8	INS	19	7	0
61027	Dryden	35 Van Horne Ave.	8731	0	0	0	0	1	12	0.6	32	13	6
62030	Fort Frances	Portage/Church St.	8617	0	0	0	2	9	24	2.7	91	27	62
62032	Fort Frances	Colonization Rd. W., Cemetary	8617	0	0	0	1	3	13	1.1	70	12	22
62047	Fort Frances	Eighth St./Cornwall Ave.	8448	0	0	0	0	4	33	1.9	158	29	117
62200	Fort Frances	Armit Ave./4th Street, Robert Moore P.S.	8655	0	0	0	0	2	10	0.6	152	12	11
63033	Marathon	Peter St.	8187	0	0	0	0	0	1	0.1	13	1	0
63046	Thunder Bay	Montreal/Mountdale St., Bombardier	8656	0	0	0	1	5	22	1.8	67	16	48
63084	Red Rock	Salls St.	8585	0	0	0	0	4	19	1.3	64	18	34
63090	Terrace Bay	Selkirk St., St. Martin School	6517	0	0	0	0	2	9	INS	65	6	5
63092	Terrace Bay	Terrace Hts. Dr.	6733	0	0	0	0	1	17	0.8	74	16	22
63200	Thunder Bay	615 James St. S., MTO	7314	0	0	0	0	1	3	0.2	20	2	0
63202	Thunder Bay	Victor St.	8624	0	0	0	0	2	14	0.7	35	10	10
71042	Sault Ste. Marie	Bonney St., Pumphouse	7245	0	0	1	2	4	20	1.8	59	17	35
71068	Sault Ste. Marie	Patrick St., Wm. Merrifield School	6852	0	0	0	1	1	3	0.4	15	4	0
77203	Sudbury	Science North	8463	0	0	0	1	1	2	0.5	6	2	0

TABLE 16: 10-YEAR TREND FOR O_3

Annual Mean (ppb)

ID	CITY	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
12008	WINDSOR DOWNTOWN	17.1	18.0	18.3	20.4	20.7	21.4	21.7	18.6	20.5	21.9
13021	MERLIN	23.7	24.2	28.0	28.6	27.0	28.4	27.2	24.6	27.4	26.0
14064	SARNIA	22.6	21.4	22.2	25.2	24.5	26.1	26.5	24.3	25.6	26.5
14118	MANDAUMIN	24.5	24.6	24.0	23.4	27.9	29.9	29.0	25.9	26.5	n/a
15020	GRAND BEND	31.3	30.2	31.3	31.9	31.2	31.2	32.5	32.6	31.6	29.8
15025	LONDON #	22.8	23.1	21.7	23.1	22.8	25.1	25.8	21.1	24.2	25.3
18007	TIVERTON	32.2	31.7	31.6	32.0	32.5	32.2	n/a	32.3	34.7	34.7
22071	SIMCOE	27.8	30.2	30.7	29.9	28.6	31.1	31.3	29.3	31.0	33.5
22901	LONG POINT	31.2	32.2	31.0	34.4	35.2	32.9	35.6	33.1	32.8	32.9
26060	KITCHENER	23.2	24.4	25.1	23.8	23.4	25.4	25.2	23.0	25.7	27.3
27067	ST. CATHARINES	23.9	23.6	20.5	20.3	20.9	20.8	21.7	18.9	21.2	24.1
29000	HAMILTON DOWNTOWN	16.9	17.0	18.0	17.3	18.1	19.1	19.5	17.0	18.8	20.4
31103	TORONTO DOWNTOWN	14.6	16.9	16.6	12.2	13.7	17.8	20.2	19.7	22.0	24.0
33003	TORONTO EAST	17.0	18.2	19.3	18.9	18.0	20.6	21.5	19.6	21.7	21.0
35033	ETOBICOKE SOUTH	16.0	17.4	16.3	17.1	19.4	20.2	n/a	20.1	19.9	25.1
44015	OAKVILLE	21.0	22.5	20.4	21.1	20.8	21.8	22.4	21.0	22.9	25.1
45025	OSHAWA	21.4	23.8	22.7	21.9	23.2	23.1	25.0	21.2	23.4	24.3
46110	MISSISSAUGA	16.1	19.5	19.2	19.4	20.0	20.8	22.2	19.9	22.4	23.1
48002	STOUFFVILLE	23.0	25.3	24.4	26.4	30.1	31.4	31.2	27.5	30.5	30.6
51001	OTTAWA	18.1	19.7	20.9	18.9	20.6	19.1	21.2	19.9	25.0	24.9
56051	CORNWALL	21.6	21.7	23.5	21.0	22.8	24.2	25.80	24.0	29.0	24.8
77203	SUDBURY	25.9	27.1	29.7	28.1	28.0	29.1	30.7	26.1	29.1	29.2
COMPOSITE MEAN		**23.1**	**23.9**	**23.4**	**23.4**	**24.1**	**25.1**	**25.8**	**23.6**	**25.7**	**26.4**

Site change from King/Rectory (15001) to 900 Highbury Ave (15025) in 1995

n/a - data not available

TABLE 17: 10-YEAR TREND FOR SP (as measured by COH)

Annual Mean (COH units/1000ft)

COH annual AAQC = 0.5 COH unit

ID	CITY	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
12008	WINDSOR DOWNTOWN	0.36	0.28	0.31	0.26	0.15	0.20	0.19	0.16	0.20	n/a
14064	SARNIA	0.20	0.20	0.18	0.17	0.18	0.19	0.18	0.16	0.10	n/a
15025	LONDON *	0.25	0.25	0.20	0.21	0.17	0.18	0.14	0.14	n/a	n/a
27067	ST. CATHARINES	0.27	0.25	0.24	0.24	0.20	0.21	0.20	0.19	0.20	n/a
29000	HAMILTON DOWNTOWN	0.48	0.47	0.39	0.43	0.33	0.33	0.25	0.31	0.20	0.20
35033	ETOBICOKE SOUTH	0.51	0.38	0.33	0.29	0.26	0.34	0.33	0.33	0.40	0.30
77203	SUDBURY	0.21	0.19	0.14	0.15	0.12	0.09	0.11	0.08	0.10	n/a
COMPOSITE MEAN		**0.33**	**0.29**	**0.26**	**0.25**	**0.20**	**0.22**	**0.20**	**0.20**	**0.20**	**0.25**

* Site changed from King/Rectory (15001) to 900 Highbury Ave (15025)

n/a - data not available

TABLE 18: 10-YEAR TREND FOR NO

Annual Mean (ppb)

ID	CITY	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
12008	WINDSOR DOWNTOWN	17.0	17.0	15.0	16.0	15.9	16.3	13.3	13.9	11.0	10.9
14064	SARNIA	7.0	9.0	6.0	7.0	7.0	6.9	7.1	8.9	6.7	7.1
15025	LONDON #	13.0	18.0	15.0	10.0	7.6	9.1	8.5	8.0	6.6	n/a
26060	KITCHENER	6.0	8.0	7.0	7.0	5.5	6.9	6.6	7.4	5.7	3.8
27067	ST. CATHARINES	12.0	10.0	10.0	13.0	10.3	16.3	11.7	12.4	13.8	n/a
29000	HAMILTON DOWNTOWN	17.0	18.0	16.0	15.0	10.8	12.6	12.0	14.7	11.5	10.4
31103	TORONTO DOWNTOWN	27.0	25.0	23.0	42.0	32.9	24.3	15.8	14.4	10.0	8.2
33003	TORONTO EAST	24.0	26.0	24.0	23.0	24.9	23.2	20.1	23.0	17.9	16.1
34020	TORONTO NORTH	16.0	17.0	18.0	17.0	16.3	16.5	16.5	16.8	14.3	12.4
35003	TORONTO WEST	22.0	23.0	19.0	22.0	18.6	17.9	20.7	19.3	14.7	11.7
44015	OAKVILLE	16.0	15.0	15.0	16.0	14.9	15.8	13.0	16.2	11.9	n/a
45025	OSHAWA	17.0	19.0	18.0	15.0	16.4	15.6	15.1	14.2	13.7	10.0
51001	OTTAWA	12.0	11.0	7.0	8.0	7.0	7.9	14.8	11.0	7.3	n/a
77203	SUDBURY	4.0	5.0	6.0	6.0	4.9	3.7	5.0	4.5	3.7	3.2
COMPOSITE MEAN		**15.0**	**15.8**	**14.2**	**15.5**	**13.8**	**13.8**	**12.9**	**13.2**	**10.6**	**9.4**

Site change location from King/Rectory (15001) to 900 Highbury Ave (15025) in 1995

n/a - data not available

TABLE 19: 10-YEAR TREND FOR NO_2

Annual Mean (ppb)

ID	CITY	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
12008	WINDSOR DOWNTOWN	26.0	28.0	25.0	26.0	23.8	23.8	22.9	21.6	19.4	19.1
14064	SARNIA	16.0	18.0	17.0	16.0	16.9	18.0	16.7	16.3	16.8	17.5
15025	LONDON #	20.0	23.0	20.0	18.0	18.0	17.7	19.4	17.4	17.3	n/a
26060	KITCHENER	14.0	14.0	11.0	13.0	13.7	16.5	14.0	14.7	14.1	11.9
27067	ST. CATHARINES	17.0	17.0	14.0	16.0	13.8	15.7	16.2	16.9	20.0	n/a
29000	HAMILTON DOWNTOWN	22.0	22.0	19.0	22.0	18.6	22.4	21.6	21.8	22.5	20.9
31103	TORONTO DOWNTOWN	29.0	30.0	30.0	34.0	31.7	27.7	26.9	26.8	27.1	23.3
33003	TORONTO EAST	19.0	22.0	25.0	23.0	23.4	25.5	24.6	23.7	22.9	22.0
34020	TORONTO NORTH	21.0	20.0	18.0	22.0	20.2	23.4	24.3	22.7	22.0	21.0
35003	TORONTO WEST	26.0	27.0	25.0	25.0	26.7	26.2	24.7	23.2	21.2	20.3
44015	OAKVILLE	19.0	17.0	17.0	20.0	20.8	17.1	17.2	17.2	16.2	n/a
45025	OSHAWA	19.0	18.0	20.0	19.0	18.6	20.0	21.5	19.7	19.0	17.2
51001	OTTAWA	19.0	19.0	16.0	13.0	12.5	12.4	12.2	13.8	14.3	n/a
77203	SUDBURY	10.0	11.0	12.0	8.0	7.4	6.0	7.7	8.6	7.5	8.3
COMPOSITE MEAN		**18.5**	**19.1**	**17.9**	**18.3**	**17.7**	**19.5**	**18.0**	**18.9**	**18.6**	**18.2**

Site changed location from King/Rectory to 900 Highbury Ave in 1995

n/a - data not available

TABLE 20: 10-YEAR TREND FOR NO_X

Annual Mean (ppb)

ID	CITY	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
12008	WINDSOR DOWNTOWN	42.0	42.0	38.0	39.0	39.3	38.5	37.0	36.0	30.5	29.2
14064	SARNIA	23.0	28.0	23.0	23.0	24.9	25.1	23.5	25.0	23.6	24.6
15025	LONDON #	35.0	38.0	32.0	28.0	24.4	25.8	25.9	24.7	23.1	n/a
26060	KITCHENER	21.0	23.0	20.0	20.0	19.2	23.9	20.5	21.9	19.5	15.5
27067	ST. CATHARINES	30.0	28.0	25.0	29.0	24.5	31.7	24.8	28.8	33.5	n/a
29000	HAMILTON	39.0	40.0	35.0	37.0	29.5	34.7	34.0	37.0	34.4	31.4
31103	TORONTO DOWNTOWN	55.0	54.0	55.0	76.0	64.3	51.6	41.9	40.4	36.6	31.5
33003	TORONTO EAST	46.0	50.0	49.0	45.0	47.5	48.3	44.9	46.3	40.3	37.7
34020	TORONTO NORTH	37.0	38.0	36.0	39.0	36.7	39.9	40.7	39.3	36.2	33.4
35003	TORONTO WEST	49.0	49.0	45.0	47.0	45.2	43.7	45.4	42.3	35.9	32.0
44015	OAKVILLE	35.0	34.0	32.0	33.0	32.8	30.0	29.6	33.0	27.8	n/a
45025	OSHAWA	36.0	37.0	36.0	35.0	34.9	35.1	35.8	33.6	32.6	27.2
51001	OTTAWA	29.0	28.0	22.0	25.0	19.6	22.8	27.5	24.2	21.0	n/a
77203	SUDBURY	16.0	17.0	17.0	14.0	12.5	9.4	12.7	12.6	10.8	10.9
COMPOSITE MEAN		**35.2**	**36.1**	**33.2**	**35.0**	**32.5**	**32.9**	**31.7**	**31.8**	**29.0**	**27.3**

Site change from King/Rectory (15001) to 900 Highbury Ave (15025) in 1995

n/a - data not available

TABLE 21: 10-YEAR TREND FOR CO

Annual Mean (ppm)

ID	CITY	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
12008	WINDSOR DOWNTOWN	0.8	1.0	0.9	0.8	0.6	0.7	0.6	0.3	0.3	0.5
14064	SARNIA	0.2	0.2	0.1	0.2	0.2	0.3	0.3	0.4	0.3	n/a
15025	LONDON #	0.6	0.5	0.1	0.0	0.3	0.1	0.3	0.2	0.1	0.1
26060	KITCHENER	0.4	0.3	0.3	0.4	0.2	0.3	0.4	0.4	0.4	0.3
27067	ST. CATHARINES	0.5	0.4	0.2	0.3	0.1	0.4	0.2	0.4	0.3	n/a
29000	HAMILTON DOWNTOWN	1.1	0.8	0.6	1.0	0.7	1.1	0.8	0.8	0.7	n/a
31103	TORONTO DOWNTOWN	1.1	1.0	0.7	1.3	1.2	1.1	n/a	1.3	0.9	0.7
35003	TORONTO WEST	0.7	0.7	0.8	0.7	1.0	1.0	1.0	1.8	1.0	0.6
44015	OAKVILLE	0.7	0.7	0.5	0.7	0.3	0.2	0.2	0.4	0.4	0.6
45025	OSHAWA	0.9	1.0	0.8	0.6	0.4	1.0	0.7	n/a	n/a	n/a
51001	OTTAWA	0.9	0.8	0.6	0.7	0.4	1.1	0.8	0.7	0.6	0.7
77203	SUDBURY	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.2	0.4	0.6
COMPOSITE MEAN		**0.7**	**0.7**	**0.5**	**0.6**	**0.5**	**0.6**	**0.4**	**0.6**	**0.5**	**0.5**

Site changed location from King/Rectory (15001) to 900 Highbury Ave. (15025) in 1995.
n/a - data not available

TABLE 22: 10-YEAR TREND FOR SO_2

Annual Mean (ppb)

SO_2 annual AAQC = 20 ppb

ID	CITY	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
12008	WINDSOR DOWNTOWN	6.0	6.0	5.0	10.0	6.7	7.4	6.7	6.2	6.1	5.7
14064	SARNIA	10.0	9.0	6.0	7.0	8.5	10.3	11.8	10.4	12.5	10.4
15025	LONDON #	3.0	4.0	2.0	3.0	2.5	3.2	4.9	3.5	3.5	2.2
22071	SIMCOE	3.0	2.0	2.0	3.0	3.2	3.8	3.7	4.3	5.0	3.4
22901	LONG POINT	2.0	3.0	2.0	3.0	2.7	3.0	3.7	3.7	4.6	2.5
26060	KITCHENER	3.0	3.0	2.0	3.0	3.1	3.0	3.4	3.2	3.4	2.8
27067	ST. CATHARINES	3.0	3.0	5.0	6.0	5.8	4.0	2.2	3.0	3.3	n/a
29000	HAMILTON DOWNTOWN	6.0	5.0	8.0	9.0	5.8	6.3	6.6	5.1	6.0	4.9
31103	TORONTO DOWNTOWN	7.0	3.0	3.0	5.0	5.3	4.0	n/a	4.7	5.0	4.0
35003	TORONTO WEST	5.0	4.0	3.0	4.0	4.9	4.1	n/a	3.6	4.0	5.4
44008	BURLINGTON	6.0	4.0	2.0	4.0	5.1	3.2	4.9	5.2	4.9	5.9
44015	OAKVILLE	5.0	4.0	2.0	5.0	4.8	5.1	4.0	4.8	3.7	4.3
46110	MISSISSAUGA	3.0	3.0	2.0	n/a	n/a	5.1	4.7	4.6	4.7	n/a
51001	OTTAWA	2.0	1.0	1.0	5.0	6.3	3.4	4.2	4.1	2.3	2.9
56051	CORNWALL	7.0	12.0	5.0	5.0	3.9	5.5	3.9	3.5	4.3	n/a
63200	THUNDER BAY	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.3	0.9	0.5
77203	SUDBURY	4.0	3.0	4.0	5.0	3.5	5.2	3.0	4.2	5.8	3.1
COMPOSITE MEAN		**3.4**	**3.1**	**2.5**	**3.7**	**3.5**	**3.7**	**3.8**	**4.4**	**4.7**	**4.1**

Site change from King/Rectory (15001) to 900 Highbury Ave (15025) in 1995

n/a - data not available

TABLE 23: 10-YEAR TREND FOR TRS

Annual Mean (ppb)

ID	CITY	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
12016	WINDSOR WEST	0.5	0.7	0.9	0.8	1.6	1.3	0.5	1.1	1.0	2.1
14064	SARNIA	0.2	0.6	0.3	0.3	0.2	0.3	0.5	0.7	0.7	0.9
29000	HAMILTON DOWNTOWN	0.7	1.1	1.2	1.4	1.0	0.7	0.6	0.7	0.9	0.5
29114	HAMILTON MOUNTAIN	0.8	0.7	0.6	1.1	0.6	1.2	n/a	0.5	0.7	0.4
29118	HAMILTON WEST	0.7	0.7	0.9	1.3	0.8	0.9	0.9	0.6	0.5	0.3
44015	OAKVILLE	1.0	1.3	0.3	1.3	1.3	1.1	1.4	1.2	0.5	1.1
56051	CORNWALL	1.8	2.5	1.3	1.2	2.0	1.2	0.9	1.1	n/a	n/a
62030	FORT FRANCES	4.2	2.4	2.5	2.7	2.6	1.4	2.4	2.1	2.4	2.7
63033	MARATHON	0.7	0.9	0.5	0.4	0.2	0.1	0.1	0.1	0.1	0.1
63084	RED ROCK	1.9	3.2	1.1	1.2	1.6	2.8	3.8	3.2	1.7	1.3
63090	TERRACE BAY	1.7	1.1	1.7	1.3	1.0	1.0	0.5	0.9	1.2	n/a
63200	THUNDER BAY	0.2	0.3	0.3	0.1	0.1	0.1	0.2	0.2	0.3	0.2
71068	SAULT STE. MARIE	0.4	0.5	0.4	0.5	0.3	0.2	0.2	0.3	0.8	0.4
77203	SUDBURY	0.2	0.5	0.5	0.3	0.3	0.4	0.2	0.1	0.2	0.5
COMPOSITE MEAN		**1.07**	**1.18**	**0.88**	**0.98**	**0.97**	**0.91**	**0.94**	**0.91**	**0.85**	**0.88**

n/a - not available

Table 24: Stations Used in Gaseous Trends

City	Station # (Sampling Period)
Burlington	44008 (1993 - 2002)
Cornwall	56051 (1993 - 2002)
Etobicoke South	35033 (1993 - 2002)
Fort Frances	62030 (1993 - 2002)
Grand Bend	15020 (1993 - 2002)
Hamilton Downtown	29000 (1993 - 2002)
Hamilton Mountain	29114 (1993 - 2002)
Hamilton West	29118 (1993 - 2002)
Kitchener	26060 (1993 - 2002)
London	15001 (1993 - 1995); 15025 (1996 - 2002)
Long Point	22901 (1993 - 2002)
Mandaumin	14118 (1993 - 2002)
Marathon	63033 (1993 - 2002)
Merlin	13021 (1993 - 2002)
Mississauga	46110 (1993 - 2002)
Oakville	44015 (1993 - 2002)
Oshawa	45025 (1993 - 2002)
Ottawa	51001 (1993 - 2002)
Red Rock	63084 (1993 - 2002)
Sarnia	14064 (1993 - 2002)
Sault Ste. Marie	71068 (1993 - 2002)
Simcoe	22071 (1993 - 2002)
St. Catharines	27067 (1993 - 2002)
Stouffville	48002 (1993 - 2002)
Sudbury	77203 (1993 - 2002)
Terrace Bay	63090 (1993 - 2002)
Thunder Bay	63200 (1993 - 2002)
Tiverton	18007 (1993 - 2002)
Toronto Downtown	31103 (1993 - 2002)
Toronto East (Scarborough)	33003 (1993 - 2002)
Toronto North (North York)	34020 (1993 - 2002)
Toronto West (Etobicoke West)	35003 (1993 - 2002)
Windsor Downtown	12008 (1993 - 2002)
Windsor West	12016 (1993 - 2002)

Table 25: Total Suspended Particulate (TSP) Statistics (2002)

Unit: micrograms per cubic metre (µg/m^3)

TSP 24-hour AAQC is 120 µg/m^3

TSP 1-year AAQC is 60 µg/m^3

													# of Times Above Criteria	
			# of	P E R C E N T I L E S							Arith.	Geom.		
ID	City	Location	Samples	10%	30%	50%	70%	90%	99%	Max.	Mean	Mean	24h	1y
11001	St. Mary's	309 Thomas St.	47	20	30	42	58	97	184	191	54.9	45.0	3	0
12007	Windsor	Wright/Water St.	42	33	55	68	80	105	230	256	75.1	66.8	3	1
12008	Windsor Downtown	467 University Ave. W.	44	34	42	54	63	84	107	111	56.7	53.3	0	0
12011	Windsor	Drouillard Rd./Richmond St.	38	23	43	55	70	93	125	128	INS	INS	1	0
12013	Windsor	3665 Wyandotte St. E., Filtration Plant	38	26	49	67	88	149	167	172	INS	INS	8	1
12016	Windsor West	College/South St.	40	39	50	60	74	104	134	137	67.4	61.9	2	1
12038	Windsor	2885 Howard Ave.	46	32	49	63	83	119	141	152	70.2	63.0	4	1
12058	Windsor	Columbus Ctr.	42	33	40	51	69	101	126	130	59.8	54.1	2	0
12401	Windsor	4989 Walker Rd.	41	42	70	110	212	324	461	486	159.3	120.3	19	1
14016	Courtright	HWY40 (opposite OPG)	37	17	31	37	45	52	62	66	INS	INS	0	0
15025	London	900 Highbury Ave.	46	18	41	48	58	76	136	151	52.5	46.3	1	0
17014	Beachville	Cyanamide Rd., Gordon Prop.	44	10	26	36	51	71	107	122	41.5	33.4	1	0
17015	Beachville	26 Vine St., MOE Trailer	43	28	42	55	67	95	126	126	59.6	54.2	3	0
17020	Ingersoll	HWY 2/R.R. 2, J Spriel Prop.	44	22	40	46	62	93	164	209	57.0	49.8	1	0
17215	Beachville	26 Vine St., MOE Trailer	33	37	63	74	93	146	235	259	INS	INS	5	1
17315	Beachville	26 Vine St., MOE Trailer	31	21	36	42	61	92	189	213	INS	INS	2	0
22092	Nanticoke	Rainham Rd./Sandusk Rd.	36	16	28	35	43	75	113	123	INS	INS	1	0
22904	Nanticoke	Sandusk Rd., Walpole South P.S.	56	15	26	33	41	61	101	104	36.5	31.4	0	0
22907	Nanticoke	Nanticoke Village	59	17	38	45	64	84	147	156	54.3	46.6	3	0
22967	Peacock Point	697 Westlakeshore Rd.	58	14	24	28	34	46	69	75	30.1	27.5	0	0
27052	Thorold	185 Queen St. S.	41	25	35	39	47	76	107	119	44.5	41.0	0	0
27057	St. Catharines	27 Plymouth Ave.	46	34	44	56	67	101	138	153	62.3	56.9	2	0
27081	Thorold	Beaverdams/Collier	43	14	25	33	47	69	114	133	40.4	34.4	1	0
27082	Niagara Falls	7401 Portage Rd.	41	23	47	53	69	96	202	214	65.6	56.3	3	0
27083	Port Colborne	Rodney/Davis	46	22	32	40	54	69	166	200	47.8	42.0	2	0
27084	St. Catharines	10 Hemlock St.	16	11	24	32	34	53	55	55	INS	INS	0	0
27085	St. Catharines	St. Lawrence Seaway Authority	16	18	32	41	45	52	68	71	INS	INS	0	0
29000	Hamilton Downtown	Elgin/Kelly	49	29	40	52	67	100	158	169	61.0	53.7	2	0
29011	Hamilton	Burlington/Leeds	39	45	62	77	93	113	143	144	INS	INS	2	1
29012	Hamilton	Burlington/Wellington	38	25	38	52	74	89	106	110	INS	INS	0	0
29025	Hamilton	Barton/Sanford	43	32	51	66	82	99	115	117	66.9	61.9	0	1
29102	Hamilton	467 Beach Blvd.	42	35	57	83	109	154	176	176	86.3	75.8	7	1
29113	Hamilton	Gertrude/Depew	37	24	42	53	85	112	136	139	INS	INS	2	0
29114	Hamilton Mountain	Vickers Rd./E. 18th St.	39	24	36	45	61	83	102	103	INS	INS	0	0
29118	Hamilton West	Main St. W./HWY 403	40	18	33	38	41	70	82	84	40.7	37.3	0	0
29119	Hamilton	Morley St./Parkdale Ave.	36	38	56	69	79	101	120	125	INS	INS	1	1
29122	Hamilton	Dundurn/York	35	19	33	36	42	70	82	83	INS	INS	0	0

Table 25: Total Suspended Particulate (TSP) Statistics (2002)

Unit: micrograms per cubic metre (µg/m^3)

TSP 24-hour AAQC is 120 µg/m^3

TSP 1-year AAQC is 60 µg/m^3

				P E R C E N T I L E S									# of Times Above Criteria	
ID	City	Location	# of Samples	10%	30%	50%	70%	90%	99%	Max.	Arith. Mean	Geom. Mean	24h	1y
29143	Hamilton	Keefer Court, MOE Lab	37	36	48	61	71	93	132	143	INS	INS	1	1
29568	Hamilton	1 Hillyard St.	47	88	173	261	416	687	970	1020	336.3	257.8	36	1
29569	Hamilton	Hillyard/Brant	47	47	70	93	118	162	360	470	107.3	93.1	13	1
31045	Toronto	51 Larchmount Ave., Bruce P.S.	98	20	38	48	60	80	122	143	51.9	46.3	2	0
31058	Toronto	Mosley/Leslie St. S.	93	34	56	69	85	113	149	168	73.4	66.1	6	1
31065	Toronto	633 Eastern Ave., A.R. Clarke Co.	92	32	48	71	95	125	202	211	78.1	68.1	10	1
31082	Toronto	138 Hamilton Ave., Works Dept.	75	27	41	52	71	89	134	147	58.7	53.0	4	0
46047	Mississauga	2360 Dixie Rd.	46	34	52	61	78	114	172	198	69.7	63.8	3	1
46117	Mississauga	Apple Lane, Meadowood Park	50	15	27	34	37	62	85	85	36.0	32.0	0	0
46152	Mississauga	John XXIII Catholic School	57	16	33	43	52	70	121	124	45.3	39.5	1	0
71042	Sault Ste. Marie	Bonney St., Pumphouse	47	23	41	74	100	176	335	418	92.4	70.0	12	1
77612	Timmins	Baker Lake	13	4	8	10	13	22	27	27	INS	INS	0	0
77614	Copper Cliff	Nickel St.	14	6	11	16	22	32	43	45	INS	INS	0	0

Table 26: Cadmium (Cd) in TSP Statistics (2002)

Unit: micrograms per cubic metre (µg/m^3)

ID	City	Location	# of Samples	PERCENTILES 10%	30%	50%	70%	90%	99%	Max.	Arith. Mean	Geom. Mean
12007	Windsor	Wright/Water St.	41	0.100	0.100	0.100	0.100	0.190	0.359	0.400	0.122	0.113
12008	Windsor Downtown	467 University Ave. W.	44	0.100	0.100	0.100	0.100	0.100	0.256	0.300	0.109	0.106
12011	Windsor	Drouillard Rd./Richmond St.	38	0.100	0.100	0.100	0.100	0.200	0.200	0.200	INS	INS
12013	Windsor	3665 Wyandotte St. E., Filtration Plant	38	0.100	0.100	0.100	0.100	0.100	0.300	0.300	INS	INS
12016	Windsor West	College/South St.	40	0.100	0.100	0.100	0.100	0.200	0.260	0.300	0.118	0.112
12038	Windsor	2885 Howard Ave.	46	0.100	0.100	0.100	0.100	0.200	0.254	0.300	0.117	0.112
12058	Windsor	Columbus Ctr.	42	0.100	0.100	0.100	0.100	0.100	0.200	0.200	0.105	0.103
14016	Courtright	HWY40 (opposite OPG)	37	0.100	0.100	0.100	0.100	0.130	0.200	0.200	INS	INS
15025	London	900 Highbury Ave.	45	0.100	0.100	0.100	0.100	0.100	0.155	0.200	0.102	0.102
27052	Thorold	185 Queen St. S.	41	0.100	0.100	0.100	0.100	0.100	0.200	0.200	0.105	0.103
27057	St. Catharines	27 Plymouth Ave.	46	0.100	0.100	0.100	0.100	0.100	0.254	0.300	0.107	0.104
27081	Thorold	Beaverdams/Collier	43	0.100	0.100	0.100	0.100	0.100	0.300	0.300	0.109	0.105
27082	Niagara Falls	7401 Portage Rd.	41	0.100	0.100	0.100	0.100	0.100	0.259	0.300	0.100	0.100
27083	Port Colborne	Rodney/Davis	46	0.100	0.100	0.100	0.100	0.100	0.200	0.200	0.104	0.103
27084	St. Catharines	10 Hemlock St.	16	0.100	0.100	0.100	0.100	0.100	0.268	0.300	INS	INS
27085	St. Catharines	St. Lawrence Seaway Authority	16	0.100	0.100	0.100	0.100	0.100	0.184	0.200	INS	INS
29011	Hamilton	Burlington/Leeds	39	0.100	0.100	0.100	0.100	0.100	0.261	0.300	INS	INS
29025	Hamilton	Barton/Sanford	43	0.100	0.100	0.100	0.100	0.100	0.314	0.400	0.102	0.102
29102	Hamilton	467 Beach Blvd.	42	0.100	0.100	0.100	0.100	0.100	0.300	0.300	0.110	0.110
29114	Hamilton Mountain	Vickers Rd./E. 18th St.	39	0.100	0.100	0.100	0.100	0.200	0.300	0.300	INS	INS
29568	Hamilton	1 Hillyard St.	41	0.100	0.200	0.400	0.770	1.480	2.018	2.100	0.595	0.385
29569	Hamilton	Hillyard/Brant	47	0.100	0.100	0.100	0.200	0.300	0.559	0.700	0.170	0.147
46117	Mississauga	Apple Lane, Meadowood Park	21	0.100	0.100	0.100	0.100	0.100	0.179	0.200	INS	INS
71042	Sault Ste. Marie	Bonney St., Pumphouse	47	0.100	0.100	0.100	0.100	0.200	0.253	0.300	0.115	0.110
77614	Copper Cliff	Nickel St.	14	0.100	0.100	0.100	0.100	0.100	0.100	0.100	INS	INS

***Notes*:**

- Majority of the 'Samples' measured below the detection limit.

Table 27: Chromium (Cr) in TSP Statistics (2002)

Unit: micrograms per cubic metre (µg/m^3)

Cr 24-hour AAQC is 1.5 µg/m^3

ID	City	Location	# of Samples	PERCENTILES 10%	30%	50%	70%	90%	99%	Max.	Arith. Mean	Geom. Mean	# of Times Above Criterion
12007	Windsor	Wright/Water St.	41	0.001	0.001	0.004	0.007	0.015	0.028	0.028	0.006	0.003	0
12008	Windsor Downtown	467 University Ave. W.	44	0.001	0.001	0.003	0.007	0.011	0.017	0.018	0.005	0.003	0
12011	Windsor	Drouillard Rd./Richmond St.	38	0.001	0.002	0.005	0.009	0.016	0.043	0.051	INS	INS	0
12013	Windsor	3665 Wyandotte St. E., Filtration Plant	38	0.001	0.001	0.007	0.021	0.063	0.136	0.140	INS	INS	0
12016	Windsor West	College/South St.	40	0.001	0.001	0.001	0.006	0.012	0.018	0.020	0.005	0.003	0
12038	Windsor	2885 Howard Ave.	46	0.001	0.007	0.021	0.035	0.064	0.120	0.140	0.029	0.013	0
12058	Windsor	Columbus Ctr.	42	0.001	0.001	0.001	0.002	0.011	0.017	0.019	0.003	0.002	0
14016	Courtright	HWY40 (opposite OPG)	37	0.001	0.001	0.001	0.001	0.001	0.030	0.045	INS	INS	0
15025	London	900 Highbury Ave.	45	0.001	0.001	0.001	0.005	0.008	0.024	0.026	0.004	0.002	0
27052	Thorold	185 Queen St. S.	41	0.001	0.004	0.110	0.028	0.072	0.200	0.220	0.031	0.010	0
27057	St. Catharines	27 Plymouth Ave.	46	0.001	0.002	0.004	0.008	0.017	0.056	0.075	0.009	0.004	0
27081	Thorold	Beaverdams/Collier	43	0.001	0.001	0.001	0.006	0.017	0.033	0.036	0.006	0.003	0
27082	Niagara Falls	7401 Portage Rd.	41	0.001	0.013	0.027	0.053	0.264	0.498	0.600	0.079	0.024	0
27083	Port Colborne	Rodney/Davis	46	0.001	0.002	0.005	0.010	0.017	0.029	0.032	0.008	0.005	0
27084	St. Catharines	10 Hemlock St.	16	0.001	0.001	0.003	0.010	0.018	0.034	0.035	INS	INS	0
27085	St. Catharines	St. Lawrence Seaway Authority	16	0.001	0.008	0.014	0.036	0.043	0.100	0.110	INS	INS	0
29011	Hamilton	Burlington/Leeds	39	0.009	0.017	0.024	0.035	0.056	0.084	0.098	INS	INS	0
29025	Hamilton	Barton/Sanford	43	0.001	0.004	0.010	0.017	0.040	0.059	0.062	0.015	0.008	0
29102	Hamilton	467 Beach Blvd.	42	0.001	0.007	0.014	0.026	0.044	0.076	0.079	0.020	0.010	0
29114	Hamilton Mountain	Vickers Rd./E. 18th St.	39	0.001	0.001	0.003	0.007	0.012	0.018	0.020	INS	INS	0
29568	Hamilton	1 Hillyard St.	47	0.095	0.212	0.500	1.100	2.500	3.259	3.400	0.905	0.505	8
29569	Hamilton	Hillyard/Brant	47	0.013	0.031	0.050	0.072	0.160	0.257	0.280	0.068	0.045	0
46117	Mississauga	Apple Lane, Meadowood Park	21	0.001	0.001	0.001	0.002	0.004	0.008	0.009	INS	INS	0
71042	Sault Ste. Marie	Bonney St., Pumphouse	47	0.001	0.003	0.014	0.026	0.043	0.092	0.120	0.020	0.009	0
77614	Copper Cliff	Nickel St.	14	0.001	0.001	0.001	0.001	0.009	0.017	0.018	INS	INS	0

Table 28: Copper (Cu) in TSP Statistics (2002)

Unit: micrograms per cubic metre (µg/m^3)

Cu 24-hour AAQC is 50 µg/m^3

ID	City	Location	# of Samples	PERCENTILES 10%	30%	50%	70%	90%	99%	Max	Arith. Mean	Geom. Mean	# of Times Above Criterion
12007	Windsor	Wright/Water St.	41	0.042	0.064	0.096	0.130	0.200	0.420	0.420	0.120	0.090	0
12008	Windsor Downtown	467 University Ave. W.	44	0.001	0.008	0.014	0.024	0.076	0.138	0.160	0.026	0.012	0
12011	Windsor	Drouillard Rd./Richmond St.	38	0.007	0.033	0.056	0.070	0.089	0.129	0.140	INS	INS	0
12013	Windsor	3665 Wyandotte St. E., Filtration Plant	38	0.002	0.022	0.033	0.044	0.060	0.095	0.099	INS	INS	0
12016	Windsor West	College/South St.	40	0.001	0.032	0.038	0.054	0.082	0.204	0.220	0.050	0.029	0
12038	Windsor	2885 Howard Ave.	46	0.001	0.017	0.035	0.048	0.089	0.105	0.110	0.039	0.021	0
12058	Windsor	Columbus Ctr.	42	0.028	0.052	0.069	0.102	0.178	0.301	0.330	0.092	0.071	0
14016	Courtright	HWY40 (opposite OPG)	37	0.001	0.008	0.014	0.020	0.050	0.071	0.073	INS	INS	0
15025	London	900 Highbury Ave.	45	0.009	0.016	0.035	0.072	0.120	0.150	0.150	0.053	0.032	0
27052	Thorold	185 Queen St. S.	41	0.059	0.123	0.215	0.387	0.650	1.114	1.200	0.323	0.231	0
27057	St. Catharines	27 Plymouth Ave.	46	0.073	0.108	0.150	0.172	0.200	0.266	0.280	0.145	0.135	0
27081	Thorold	Beaverdams/Collier	43	0.063	0.139	0.265	0.321	0.411	0.703	0.810	0.258	0.202	0
27082	Niagara Falls	7401 Portage Rd.	41	0.151	0.233	0.275	0.320	0.419	0.512	0.520	0.287	0.264	0
27083	Port Colborne	Rodney/Davis	46	0.016	0.118	0.150	0.180	0.240	0.423	0.510	0.151	0.111	0
27084	St. Catharines	10 Hemlock St.	16	0.122	0.168	0.310	0.372	0.584	0.682	0.700	INS	INS	0
27085	St. Catharines	St. Lawrence Seaway Authority	16	0.091	0.118	0.160	0.192	0.324	0.466	0.480	INS	INS	0
29011	Hamilton	Burlington/Leeds	39	0.058	0.086	0.120	0.153	0.191	0.264	0.280	INS	INS	0
29025	Hamilton	Barton/Sanford	43	0.050	0.077	0.120	0.192	0.317	0.431	0.470	0.165	0.130	0
29102	Hamilton	467 Beach Blvd.	42	0.031	0.064	0.091	0.150	0.180	0.395	0.500	0.114	0.090	0
29114	Hamilton Mountain	Vickers Rd./E. 18th St.	39	0.017	0.041	0.058	0.084	0.120	0.136	0.140	INS	INS	0
29568	Hamilton	1 Hillyard St.	47	0.157	0.251	0.370	0.450	0.591	1.093	1.300	0.390	0.342	0
29569	Hamilton	Hillyard/Brant	47	0.035	0.079	0.105	0.139	0.193	0.275	0.280	0.117	0.100	0
46117	Mississauga	Apple Lane, Meadowood Park	21	0.059	0.073	0.099	0.120	0.159	0.192	0.200	INS	INS	0
71042	Sault Ste. Marie	Bonney St., Pumphouse	47	0.023	0.063	0.088	0.180	0.220	0.311	0.320	0.125	0.092	0
77614	Copper Cliff	Nickel St.	14	0.042	0.089	0.110	0.128	0.554	1.051	1.100	INS	INS	0

Table 29: Iron (Fe) in TSP Statistics (2002)

Unit: micrograms per cubic metre (µg/m^3)

ID	City	Location	# of Samples	PERCENTILES 10%	30%	50%	70%	90%	99%	Max.	Arith. Mean	Geom. Mean
12007	Windsor	Wright/Water St.	41	0.4	0.8	1.2	1.9	2.4	5.2	6.2	1.5	1.2
12008	Windsor Downtown	467 University Ave. W.	44	0.2	0.4	0.6	0.9	1.8	2.1	2.1	0.8	0.6
12011	Windsor	Drouillard Rd./Richmond St.	38	0.4	0.6	0.7	1.0	1.6	2.2	2.4	INS	INS
12013	Windsor	3665 Wyandotte St. E., Filtration Plant	38	0.1	0.4	0.9	2.1	3.5	6.4	7.5	INS	INS
12016	Windsor West	College/South St.	40	0.2	0.5	0.7	1.4	1.9	2.6	2.7	1.0	0.8
12038	Windsor	2885 Howard Ave.	46	0.8	1.3	4.0	7.2	12.0	21.9	26.0	5.4	3.2
12058	Windsor	Columbus Ctr.	42	0.1	0.3	0.5	0.8	1.2	3.1	3.5	0.7	0.5
14016	Courtright	HWY 40 (opposite OPG)	37	0.1	0.1	0.2	0.2	0.4	1.3	1.5	INS	INS
15025	London	900 Highbury Ave.	45	0.1	0.1	0.3	0.5	0.8	1.3	1.3	0.4	0.3
27052	Thorold	185 Queen St. S.	41	0.1	0.2	0.3	0.4	0.6	1.0	1.0	0.3	0.3
27057	St. Catharines	27 Plymouth Ave.	46	0.2	0.6	0.8	1.1	2.0	3.6	3.9	1.0	0.7
27081	Thorold	Beaverdams/Collier St.	43	0.1	0.1	0.2	0.3	0.5	1.3	1.6	0.3	0.2
27082	Niagara Falls	7401 Portage Rd.	41	0.1	0.3	0.7	0.8	1.4	2.8	3.3	0.7	0.5
27083	Port Colborne	Rodney/Davis	46	0.2	0.2	0.4	0.8	1.3	4.2	5.8	0.7	0.5
27084	St. Catharines	10 Hemlock St.	16	0.1	0.2	0.4	0.5	0.9	1.7	1.8	INS	INS
27085	St. Catharines	St. Lawrence Seaway Authority	16	0.4	0.7	1.6	2.2	3.5	7.5	8.2	INS	INS
29011	Hamilton	Burlington/Leeds	39	0.9	1.6	2.3	3.3	5.0	9.7	12.0	INS	INS
29025	Hamilton	Barton/Sanford	43	0.3	0.7	0.9	1.6	3.5	4.5	4.8	1.5	1.1
29102	Hamilton	467 Beach Blvd.	42	0.2	0.7	2.0	3.1	5.8	8.7	10.0	2.6	1.6
29114	Hamilton Mountain	Vickers Rd./E. 18th St.	39	0.1	0.3	0.4	0.7	1.4	2.2	2.4	INS	INS
29568	Hamilton	1 Hillyard St.	47	8.4	23.1	55.0	86.8	160.0	206.5	230.0	69.2	44.4
29569	Hamilton	Hillyard/Brant	47	1.1	1.8	2.6	6.2	13.3	17.0	17.0	5.2	3.5
46117	Mississauga	Apple Lane, Meadow Park	21	0.1	0.1	0.2	0.3	0.6	0.9	0.9	INS	INS
71042	Sault Ste. Marie	Bonney St., Pumphouse	47	0.5	1.5	2.6	4.1	8.9	25.6	35.0	4.3	2.4
77614	Copper Cliff	Nickel St.	14	0.1	0.1	0.2	0.2	0.9	1.9	2.0	INS	INS

Table 30: Manganese (Mn) in TSP Statistics (2002)

Unit: micrograms per cubic metre (µg/m^3)

Mn 24-hour AAQC is 2.5 µg/m^3

ID	City	Location	# of Samples	PERCENTILES 10%	30%	50%	70%	90%	99%	Max.	Arith. Mean	Geom. Mean	# of Times Above Criterion
12007	Windsor	Wright/Water St.	41	0.007	0.017	0.029	0.044	0.090	0.173	0.210	0.042	0.026	0
12008	Windsor Downtown	467 University Ave. W.	44	0.002	0.011	0.019	0.026	0.050	0.075	0.075	0.023	0.015	0
12011	Windsor	Drouillard Rd./Richmond St.	38	0.011	0.017	0.028	0.040	0.069	0.163	0.210	INS	INS	0
12013	Windsor	3665 Wyandotte St. E., Filtration Plant	38	0.001	0.016	0.033	0.116	0.198	0.365	0.430	INS	INS	0
12016	Windsor West	College/South St.	40	0.001	0.010	0.022	0.051	0.072	0.090	0.096	0.033	0.017	0
12038	Windsor	2885 Howard Ave.	46	0.004	0.022	0.064	0.096	0.160	0.261	0.270	0.076	0.039	0
12058	Windsor	Columbus Ctr.	42	0.001	0.004	0.010	0.020	0.041	0.089	0.110	0.018	0.008	0
14016	Courtright	HWY 40 (opposite OPG)	37	0.001	0.001	0.002	0.004	0.010	0.039	0.053	INS	INS	0
15025	London	900 Highbury Ave.	45	0.001	0.005	0.012	0.017	0.030	0.046	0.048	0.013	0.007	0
27052	Thorold	185 Queen St. S.	41	0.001	0.004	0.012	0.015	0.031	0.042	0.043	0.013	0.007	0
27057	St. Catharines	27 Plymouth Ave.	46	0.015	0.037	0.070	0.124	0.226	0.386	0.400	0.103	0.061	0
27081	Thorold	Beaverdams/Collier St.	43	0.001	0.003	0.010	0.015	0.023	0.069	0.087	0.013	0.007	0
27082	Niagara Falls	7401 Portage Rd.	41	0.001	0.011	0.021	0.034	0.049	0.101	0.110	0.027	0.016	0
27083	Port Colborne	Rodney/Davis	46	0.005	0.011	0.018	0.025	0.043	0.080	0.097	0.022	0.016	0
27084	St. Catharines	10 Hemlock St.	16	0.002	0.008	0.015	0.024	0.045	0.050	0.050	INS	INS	0
27085	St. Catharines	St. Lawrence Seaway Authority	16	0.015	0.031	0.045	0.070	0.154	0.291	0.310	INS	INS	0
29011	Hamilton	Burlington/Leeds	39	0.068	0.110	0.190	0.240	0.312	0.495	0.530	INS	INS	0
29025	Hamilton	Barton/Sanford	43	0.030	0.054	0.079	0.140	0.370	1.132	1.300	0.167	0.091	0
29102	Hamilton	467 Beach Blvd.	42	0.014	0.061	0.120	0.214	0.368	0.521	0.580	0.163	0.098	0
29114	Hamilton Mountain	Vickers Rd./E. 18th St.	39	0.004	0.015	0.021	0.040	0.082	0.166	0.170	INS	INS	0
29568	Hamilton	1 Hillyard St.	47	0.167	0.360	0.950	1.690	3.560	4.365	4.600	1.342	0.815	7
29569	Hamilton	Hillyard/Brant	47	0.054	0.081	0.165	0.238	0.841	1.659	1.800	0.316	0.177	0
46117	Mississauga	Apple Lane, Meadowood Park	21	0.001	0.002	0.007	0.010	0.017	0.034	0.038	INS	INS	0
71042	Sault Ste. Marie	Bonney St., Pumphouse	47	0.024	0.079	0.180	0.289	0.522	0.736	0.750	0.226	0.141	0
77614	Copper Cliff	Nickel St.	14	0.001	0.001	0.001	0.003	0.011	0.017	0.017	INS	INS	0

Table 31: Nickel (Ni) in TSP Statistics (2002)

Unit: micrograms per cubic metre (µg/m^3)

Ni 24-hour AAQC is 2.0 µg/m^3

ID	City	Location	# of Samples	PERCENTILES 10%	30%	50%	70%	90%	99%	Max.	Arith. Mean	Geom. Mean	# of Times Above Criteria
12007	Windsor	Wright/Water St.	41	0.001	0.001	0.001	0.003	0.008	0.013	0.015	0.003	0.002	0
12008	Windsor Downtown	467 University Ave. W.	44	0.001	0.001	0.001	0.002	0.004	0.011	0.015	0.002	0.002	0
12011	Windsor	Drouillard Rd./Richmond St.	38	0.001	0.001	0.001	0.002	0.006	0.010	0.010	INS	INS	0
12013	Windsor	3665 Wyandotte St. E., Filtration Plant	38	0.001	0.001	0.001	0.004	0.011	0.015	0.016	INS	INS	0
12016	Windsor West	College/South St.	40	0.001	0.001	0.001	0.002	0.005	0.019	0.027	0.003	0.002	0
12038	Windsor	2885 Howard Ave.	46	0.001	0.001	0.006	0.012	0.038	0.070	0.077	0.014	0.005	0
12058	Windsor	Columbus Ctr.	42	0.001	0.001	0.001	0.001	0.006	0.014	0.014	0.002	0.002	0
14016	Courtright	HWY40 (opposite OPG)	37	0.001	0.001	0.001	0.001	0.003	0.017	0.024	INS	INS	0
15025	London	900 Highbury Ave.	45	0.001	0.001	0.001	0.001	0.002	0.012	0.013	0.002	0.001	0
27052	Thorold	185 Queen St. S.	41	0.001	0.001	0.001	0.001	0.006	0.011	0.012	0.002	0.002	0
27057	St. Catharines	27 Plymouth Ave.	46	0.001	0.001	0.001	0.003	0.006	0.017	0.020	0.003	0.002	0
27081	Thorold	Beaverdams/Collier	43	0.001	0.001	0.001	0.001	0.005	0.008	0.008	0.002	0.001	0
27082	Niagara Falls	7401 Portage Rd.	41	0.001	0.001	0.001	0.003	0.007	0.014	0.018	0.003	0.002	0
27083	Port Colborne	Rodney/Davis	46	0.001	0.005	0.008	0.017	0.056	0.555	0.950	0.038	0.010	0
27084	St. Catharines	10 Hemlock St.	16	0.001	0.001	0.001	0.002	0.006	0.009	0.009	INS	INS	0
27085	St. Catharines	St. Lawrence Seaway Authority	16	0.001	0.002	0.004	0.005	0.012	0.021	0.022	INS	INS	0
29011	Hamilton	Burlington/Leeds	39	0.001	0.002	0.006	0.009	0.017	0.040	0.047	INS	INS	0
29025	Hamilton	Barton/Sanford	43	0.001	0.001	0.002	0.006	0.014	0.020	0.020	0.005	0.003	0
29102	Hamilton	467 Beach Blvd.	42	0.001	0.001	0.004	0.009	0.020	0.031	0.037	0.007	0.005	0
29114	Hamilton Mountain	Vickers Rd./E. 18th St.	39	0.001	0.001	0.001	0.001	0.004	0.007	0.008	INS	INS	0
29568	Hamilton	1 Hillyard St.	47	0.024	0.070	0.145	0.390	1.060	1.353	1.400	0.348	0.163	0
29569	Hamilton	Hillyard/Brant	47	0.001	0.001	0.008	0.027	0.063	0.116	0.130	0.022	0.007	0
46117	Mississauga	Apple Lane, Meadowood Park	21	0.001	0.001	0.001	0.001	0.003	0.005	0.005	INS	INS	0
71042	Sault Ste. Marie	Bonney St., Pumphouse	47	0.001	0.001	0.005	0.008	0.022	0.036	0.038	0.008	0.004	0
77614	Copper Cliff	Nickel St.	14	0.007	0.022	0.046	0.070	0.502	1.298	1.400	INS	INS	0

Table 32: Lead (Pb) in TSP Statistics (2002)

Unit: micrograms per cubic metre (µg/m^3)

Pb 24-hour AAQC is 2.0 µg/m^3

ID	City	Location	# of Samples	PERCENTILES 10%	30%	50%	70%	90%	99%	Max.	Arith. Mean	Geom. Mean	# of Times Above Criterion
12007	Windsor	Wright/Water St.	41	0.01	0.01	0.01	0.01	0.03	0.05	0.05	0.01	0.01	0
12008	Windsor Downtown	467 University Ave. W.	44	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.01	0.01	0
12011	Windsor	Drouillard Rd./Richmond St.	38	0.01	0.01	0.01	0.01	0.02	0.02	0.02	INS	INS	0
12013	Windsor	3665 Wyandotte St. E., Filtration Plant	38	0.01	0.01	0.01	0.01	0.01	0.02	0.02	INS	INS	0
12016	Windsor West	College/South St.	40	0.01	0.01	0.01	0.01	0.01	0.03	0.03	0.01	0.01	0
12038	Windsor	2885 Howard Ave.	46	0.01	0.01	0.01	0.01	0.03	0.14	0.20	0.02	0.01	0
12058	Windsor	Columbus Ctr.	42	0.01	0.01	0.01	0.01	0.02	0.03	0.03	0.01	0.01	0
14016	Courtright	HWY40 (opposite OPG)	37	0.01	0.01	0.01	0.01	0.01	0.06	0.07	INS	INS	0
15025	London	900 Highbury Ave.	45	0.01	0.01	0.01	0.01	0.02	0.03	0.03	0.01	0.01	0
27052	Thorold	185 Queen St. S.	41	0.01	0.01	0.01	0.01	0.01	0.03	0.03	0.01	0.01	0
27057	St. Catharines	27 Plymouth Ave.	46	0.01	0.01	0.01	0.01	0.02	0.05	0.05	0.01	0.01	0
27081	Thorold	Beaverdams/Collier	43	0.01	0.01	0.01	0.01	0.03	0.04	0.04	0.01	0.01	0
27082	Niagara Falls	7401 Portage Rd.	41	0.01	0.01	0.01	0.01	0.01	0.02	0.03	0.01	0.01	0
27083	Port Colborne	Rodney/Davis	46	0.01	0.01	0.02	0.04	0.05	0.09	0.11	0.03	0.02	0
27084	St. Catharines	10 Hemlock St.	16	0.01	0.01	0.01	0.01	0.02	0.02	0.02	INS	INS	0
27085	St. Catharines	St. Lawrence Seaway Authority	16	0.01	0.01	0.01	0.02	0.03	0.04	0.04	INS	INS	0
29011	Hamilton	Burlington/Leeds	39	0.01	0.01	0.01	0.02	0.04	1.08	1.70	INS	INS	0
29025	Hamilton	Barton/Sanford	43	0.01	0.01	0.01	0.01	0.02	0.03	0.03	0.01	0.01	0
29102	Hamilton	467 Beach Blvd.	42	0.01	0.01	0.01	0.01	0.03	0.06	0.07	0.02	0.02	0
29114	Hamilton Mountain	Vickers Rd./E. 18th St.	39	0.01	0.01	0.01	0.01	0.01	0.05	0.06	INS	INS	0
29568	Hamilton	1 Hillyard St.	47	0.01	0.01	0.04	0.53	5.60	12.53	13.00	1.57	0.12	8
29569	Hamilton	Hillyard/Brant	47	0.01	0.01	0.01	0.02	0.04	0.19	0.20	0.03	0.02	0
31045	Toronto	51 Larchmount Ave., Bruce P.S.	98	0.01	0.01	0.01	0.01	0.03	0.07	0.08	0.02	0.01	0
31058	Toronto	Mosley/Leslie St. S.	93	0.01	0.02	0.04	0.07	0.14	0.27	0.52	0.06	0.04	0
31065	Toronto	633 Eastern Ave., A.R. Clarke Co.	92	0.01	0.01	0.02	0.03	0.06	0.12	0.66	0.03	0.02	0
31082	Toronto	138 Hamilton Ave., Works Dept.	75	0.01	0.01	0.01	0.01	0.02	0.05	0.12	0.01	0.01	0
46047	Mississauga	2360 Dixie Rd.	46	0.16	0.49	0.75	0.99	2.68	21.40	26.00	1.92	0.75	6
46117	Mississauga	Apple Lane, Meadowood Park	50	0.01	0.01	0.01	0.01	0.03	0.04	0.04	0.01	0.01	0
46152	Mississauga	John XXIII Catholic School	35	0.01	0.01	0.01	0.01	0.01	0.01	0.01	INS	INS	0
71042	Sault Ste. Marie	Bonney St., Pumphouse	47	0.01	0.01	0.01	0.01	0.02	0.03	0.03	0.01	0.01	0
77614	Copper Cliff	Nickel St.	14	0.01	0.01	0.01	0.01	0.02	0.03	0.03	INS	INS	0

Table 33: Vanadium (V) in TSP Statistics (2002)

Unit: micrograms per cubic metre (µg/m^3)

V 24-hour AAQC is 2.0 µg/m^3

ID	City	Location	# of Samples	PERCENTILES						Max.	Arith. Mean	Geom. Mean	# of Times Above Criterion
				10%	30%	50%	70%	90%	99%				
12007	Windsor	Wright/Water St.	41	0.001	0.001	0.001	0.001	0.014	0.030	0.035	0.005	0.002	0
12008	Windsor Downtown	467 University Ave. W.	44	0.001	0.001	0.003	0.011	0.017	0.019	0.019	0.007	0.003	0
12011	Windsor	Drouillard Rd./Richmond St.	38	0.001	0.001	0.001	0.005	0.014	0.021	0.022	INS	INS	0
12013	Windsor	3665 Wyandotte St. E., Filtration Plant	38	0.001	0.001	0.001	0.008	0.015	0.026	0.030	INS	INS	0
12016	Windsor West	College/South St.	40	0.001	0.001	0.001	0.006	0.018	0.021	0.021	0.005	0.003	0
12038	Windsor	2885 Howard Ave.	46	0.001	0.001	0.010	0.016	0.028	0.048	0.056	0.012	0.005	0
12058	Windsor	Columbus Ctr.	42	0.001	0.001	0.001	0.001	0.009	0.018	0.018	0.003	0.002	0
14016	Courtright	HWY40 (opposite OPG)	37	0.001	0.001	0.001	0.004	0.016	0.037	0.039	INS	INS	0
15025	London	900 Highbury Ave.	45	0.001	0.001	0.006	0.010	0.015	0.017	0.017	0.006	0.004	0
27052	Thorold	185 Queen St. S.	41	0.001	0.001	0.001	0.001	0.004	0.011	0.012	0.002	0.001	0
27057	St. Catharines	27 Plymouth Ave.	46	0.001	0.001	0.001	0.006	0.014	0.027	0.034	0.006	0.003	0
27081	Thorold	Beaverdams/Collier	43	0.001	0.001	0.001	0.012	0.016	0.018	0.018	0.006	0.003	0
27082	Niagara Falls	7401 Portage Rd.	41	0.001	0.001	0.001	0.001	0.008	0.015	0.017	0.003	0.002	0
27083	Port Colborne	Rodney/Davis	46	0.001	0.001	0.001	0.006	0.011	0.041	0.065	0.005	0.003	0
27084	St. Catharines	10 Hemlock St.	16	0.001	0.001	0.001	0.006	0.008	0.009	0.009	INS	INS	0
27085	St. Catharines	St. Lawrence Seaway Authority	16	0.001	0.001	0.002	0.008	0.014	0.022	0.023	INS	INS	0
29011	Hamilton	Burlington/Leeds	39	0.001	0.003	0.009	0.012	0.020	0.036	0.039	INS	INS	0
29025	Hamilton	Barton/Sanford	43	0.001	0.001	0.001	0.005	0.008	0.015	0.016	0.004	0.003	0
29102	Hamilton	467 Beach Blvd.	42	0.001	0.001	0.002	0.011	0.020	0.028	0.028	0.007	0.006	0
29114	Hamilton Mountain	Vickers Rd./E. 18th St.	39	0.001	0.001	0.005	0.013	0.017	0.023	0.024	INS	INS	0
29568	Hamilton	1Hillyard St.	47	0.001	0.041	0.125	0.246	0.453	0.566	0.580	0.175	0.086	0
29569	Hamilton	Hillyard/Brant	47	0.001	0.001	0.006	0.013	0.027	0.067	0.083	0.011	0.005	0
46117	Mississauga	Apple Lane, Meadowood Park	21	0.001	0.001	0.001	0.001	0.002	0.004	0.004	INS	INS	0
71042	Sault Ste. Marie	Bonney St., Pumphouse	47	0.001	0.001	0.007	0.014	0.035	0.073	0.083	0.014	0.005	0
77614	Copper Cliff	Nickel St.	14	0.001	0.001	0.001	0.001	0.001	0.014	0.016	INS	INS	0

Table 34: Nitrate (NO_3^-) in TSP Statistics (2002)

Unit: micrograms per cubic metre (µg/m^3)

ID	City	Location	# of Samples	PERCENTILES 10%	30%	50%	70%	90%	99%	Max.	Arith. Mean	Geom. Mean
12007	Windsor	Wright/Water St.	41	1.1	2.5	3.6	6.5	10.0	10.4	10.5	4.7	3.6
12008	Windsor Downtown	467 University Ave. W.	44	1.8	3.4	4.9	6.4	9.4	20.0	25.5	5.8	4.7
12016	Windsor West	College/South St.	40	1.7	3.5	4.9	6.0	9.2	14.3	15.3	5.4	4.4
12038	Windsor	2885 Howard Ave.	46	1.5	2.1	3.3	4.9	8.5	11.8	13.4	4.2	3.4
12058	Windsor	Columbus Ctr.	42	1.3	2.8	4.5	6.0	9.3	12.8	14.1	5.0	4.0
14016	Courtright	HWY40 (opposite OPG)	37	0.8	2.0	3.4	5.6	9.3	11.0	11.0	INS	INS
22904	Nanticoke	Sandusk Rd., Walpole South P.S.	56	1.5	2.8	4.2	6.0	8.4	12.2	13.3	4.7	3.8
29011	Hamilton	Burlington/Leeds	39	1.1	1.9	3.1	5.9	8.8	11.9	12.9	INS	INS
29025	Hamilton	Barton/Sanford	43	1.0	2.3	3.9	5.8	9.7	10.3	10.5	4.6	3.5
29102	Hamilton	467 Beach Blvd.	42	1.0	2.3	4.1	5.3	10.0	12.2	13.3	4.7	3.6
29114	Hamilton Mountain	Vickers Rd./E. 18th St.	39	1.4	3.0	4.3	6.7	10.6	13.3	14.6	INS	INS

Table 35: Sulphate (SO_4^{2-}) in TSP Statistics (2002)

Unit: micrograms per cubic metre (µg/m^3)

ID	City	Location	# of Samples	PERCENTILES 10%	30%	50%	70%	90%	99%	Max.	Arith. Mean	Geom. Mean
12007	Windsor	Wright/Water St.	41	14.8	16.8	18.4	19.8	24.0	26.3	26.8	18.8	18.5
12008	Windsor Downtown	467 University Ave. W.	44	11.7	14.2	16.1	18.4	24.5	30.4	31.0	17.3	16.6
12016	Windsor West	College/South St.	40	10.3	15.4	16.1	19.1	21.5	27.5	28.3	17.2	16.7
12038	Windsor	2885 Howard Ave.	46	10.2	13.2	14.7	16.5	18.8	27.4	28.4	15.2	14.8
12058	Windsor	Columbus Ctr.	42	11.6	13.7	15.3	17.9	23.4	25.3	26.0	16.3	15.7
14016	Courtright	HWY40 (opposite OPG)	37	9.4	11.9	14.5	16.7	20.9	23.0	23.6	INS	INS
22904	Nanticoke	Sandusk Rd., Walpole South P.S.	56	8.1	12.3	14.8	17.2	22.1	30.5	31.2	15.4	14.2
29011	Hamilton	Burlington/Leeds	39	11.2	14.0	15.5	17.8	22.3	34.4	34.5	INS	INS
29025	Hamilton	Barton/Sanford	43	8.9	12.9	14.0	15.8	24.3	32.9	34.3	15.8	14.7
29102	Hamilton	467 Beach Blvd.	42	10.7	15.5	17.8	21.3	25.8	42.2	43.5	19.3	18.0
29114	Hamilton Mountain	Vickers Rd./E. 18th St.	38	7.8	10.8	13.5	14.0	22.4	33.2	34.2	INS	INS

Table 36: Inhalable Particles (PM_{10}) 24-Hour Statistics (2002)

Unit: micrograms per cubic metre (µg/m^3)

PM_{10} 24-hour Interim AAQC is 50 µg/m^3

ID	City	Location	# of Samples	PERCENTILES						Max.	Arith. Mean	Geom. Mean	# of Times Above Criterion
				10%	30%	50%	70%	90%	99%				
12507	Windsor	Wright/Water St.	45	10	16	22	31	51	82	88	27.6	23.0	5
12508	Windsor Downtown	467 University Ave. W.	48	8	14	21	30	42	69	76	24.7	20.7	4
12513	Windsor	3665 Wyandotte St. E., Filtration Plant	47	9	16	25	30	51	74	82	26.9	22.0	5
12556	Windsor	1400 Roselawn Dr., St. Gabriel S.S.	43	8	12	16	23	32	50	55	18.9	16.1	1
12559	Windsor	5305 Adstol Ave., St. Alexander S.S.	42	7	12	19	31	48	63	70	24.0	18.9	5
12583	Windsor	13765 St. Gregory's Rd., St. Gregory's S.S.	46	6	11	15	20	29	52	55	17.3	14.2	1
14550	Sarnia	6th Line, Moore Township	39	6	11	14	18	32	45	45	INS	INS	0
14564	Sarnia	Front St./CN Tracks, Centennial Park	47	8	12	15	22	46	106	146	22.8	17.1	4
15525	London	900 Highbury Ave.	44	8	12	18	25	29	56	60	19.7	17.0	2
17550	Beachville	Earl Lantz Property	39	9	15	19	29	50	101	126	INS	INS	4
22304	Nanticoke	Sandusk Rd., Walpole South P.S.	55	5	11	12	16	19	53	55	14.3	12.0	2
27308	St. Catharines	71 King St.	45	8	12	18	23	30	53	55	19.6	17.0	2
27352	Thorold	185 Queen St. S.	43	8	11	14	20	30	48	55	17.7	15.5	1
27383	Port Colborne	Rodney/Davis	41	8	11	16	18	35	66	74	18.5	15.5	2
29300	Hamilton Downtown	Elgin/Kelly St.	48	10	14	22	29	40	62	65	23.8	20.5	2
29302	Hamilton	467 Beach Blvd.	45	9	16	22	34	50	70	74	27.2	22.1	4
29313	Hamilton	Gertrude/Depew St.	40	12	17	24	29	48	57	60	26.6	23.8	2
29314	Hamilton Mountain	Vickers Rd./E. 18th St.	42	7	11	13	19	28	50	52	17.0	14.6	1
35127	Etobicoke South	185 Judson St.	38	9	15	19	27	51	89	95	INS	INS	4
44127	Oakville	Bronte Rd./Woburn Cres.	51	8	12	16	20	28	51	54	17.9	15.7	1
46127	Mississauga	Apple Lane, Meadowood Park	51	8	12	16	18	26	55	55	16.8	14.7	2
63201	Thunder Bay	615 James St. S., MTO	52	6	8	14	19	25	51	53	16.0	13.0	1
63246	Thunder Bay	Montreal St., Can-Car	49	7	12	19	22	30	50	55	18.9	16.0	1
71342	Sault Ste. Marie	Bonney St., Pumphouse	47	10	20	29	39	69	112	134	35.5	27.8	10
71368	Sault Ste. Marie	Patrick St., Wm. Merrifield P.S.	41	5	9	12	20	31	45	48	16.9	13.6	0
77326	Sudbury	19 Lisgar St.	49	4	9	10	14	22	35	35	12.5	10.4	0
77570	Copper Cliff	Market St.	47	6	8	10	15	25	38	39	13.5	11.6	0
77611	Timmins	Baker Lake	12	1	1	2	2	6	8	8	INS	INS	0
77613	Falconbridge	Edison Building	23	2	3	4	5	9	12	12	INS	INS	0

Table 37: Copper (Cu) in PM_{10} Statistics (2002)

Unit: micrograms per cubic metre (µg/m^3)

ID	City	Location	# of Samples	PERCENTILES 10%	30%	50%	70%	90%	99%	Max.	Arith. Mean	Geom. Mean
12507	Windsor	Wright/Water St.	45	0.005	0.020	0.033	0.080	0.160	0.200	0.200	0.060	0.033
12508	Windsor Downtown	467 University Ave. W.	48	0.005	0.005	0.005	0.010	0.026	0.043	0.045	0.012	0.009
12513	Windsor	3665 Wyandotte St. E., Filtration Plant	47	0.005	0.005	0.005	0.010	0.015	0.020	0.020	0.008	0.007
12556	Windsor	1400 Roselawn Dr., St. Gabriel S.S.	43	0.005	0.005	0.005	0.006	0.015	0.033	0.035	0.008	0.008
12559	Windsor	5305 Adstol Ave., St. Alexander S.S.	42	0.005	0.005	0.005	0.005	0.020	0.054	0.060	0.010	0.007
12583	Windsor	13765 St. Gregory's Rd., St. Gregory's S.S.	46	0.005	0.005	0.005	0.005	0.010	0.018	0.020	0.006	0.006
14550	Sarnia	6th Line, Moore Township	39	0.005	0.005	0.005	0.005	0.010	0.010	0.010	INS	INS
14564	Sarnia	Front St./CN Tracks, Centennial Park	47	0.005	0.005	0.005	0.010	0.015	0.043	0.050	0.010	0.008
15525	London	900 Highbury Ave.	44	0.005	0.016	0.030	0.059	0.184	0.274	0.300	0.058	0.031
17550	Beachville	Earl Lantz Property	39	0.005	0.005	0.005	0.010	0.025	0.064	0.085	INS	INS
22304	Nanticoke	Sandusk Rd., Walpole South P.S.	55	0.005	0.005	0.005	0.005	0.005	0.010	0.010	0.005	0.005
27308	St. Catharines	71 King St.	46	0.005	0.005	0.005	0.010	0.017	0.038	0.045	0.009	0.007
27352	Thorold	185 Queen St. S.	44	0.005	0.011	0.020	0.049	0.100	0.157	0.170	0.041	0.026
27383	Port Colborne	Rodney/Davis	41	0.091	0.173	0.200	0.260	0.340	0.426	0.430	0.221	0.199
29300	Hamilton Downtown	Elgin/Kelly St.	49	0.010	0.040	0.055	0.077	0.101	0.440	0.690	0.075	0.051
29302	Hamilton	467 Beach Blvd.	45	0.010	0.018	0.033	0.043	0.060	0.071	0.075	0.033	0.027
29313	Hamilton	Gertrude/Depew St.	40	0.005	0.010	0.015	0.025	0.035	0.065	0.075	0.020	0.015
29314	Hamilton Mountain	Vickers Rd./E. 18th St.	42	0.005	0.005	0.015	0.025	0.039	0.118	0.160	0.022	0.014
35127	Etobicoke South	185 Judson St.	38	0.005	0.005	0.010	0.023	0.045	0.045	0.045	INS	INS
44127	Oakville	Bronte Rd./Woburn Cres.	51	0.005	0.005	0.005	0.010	0.010	0.015	0.015	0.007	0.007
46127	Mississauga	Apple Lane, Meadowood Park	51	0.005	0.015	0.025	0.035	0.055	0.075	0.085	0.028	0.022
63201	Thunder Bay	615 James St. S., MTO	52	0.005	0.008	0.020	0.030	0.050	0.170	0.180	0.028	0.017
63246	Thunder Bay	Montreal St., Can-Car	49	0.005	0.005	0.005	0.005	0.010	0.020	0.025	0.007	0.006
71342	Sault Ste. Marie	Bonney St., Pumphouse	47	0.005	0.005	0.010	0.010	0.015	0.023	0.025	0.009	0.008
71368	Sault Ste. Marie	Patrick St., Wm. Merrifield P.S.	41	0.005	0.007	0.015	0.020	0.025	0.035	0.035	0.015	0.012
77326	Sudbury	19 Lisgar St.	49	0.005	0.010	0.018	0.047	0.096	0.155	0.160	0.038	0.022
77570	Copper Cliff	Market St.	48	0.010	0.017	0.030	0.055	0.188	0.562	0.730	0.081	0.037
77611	Timmins	Baker Lake	14	0.005	0.005	0.005	0.005	0.010	0.023	0.025	INS	INS
77613	Falconbridge	Edison Building	23	0.005	0.005	0.015	0.015	0.025	0.063	0.070	INS	INS

Table 38: Iron (Fe) in PM_{10} Statistics (2002)

Unit: micrograms per cubic metre (µg/m^3)

ID	City	Location	# of Samples	PERCENTILES 10%	30%	50%	70%	90%	99%	Max.	Arith. Mean	Geom. Mean
12507	Windsor	Wright/Water St.	45	0.23	0.36	0.81	1.20	1.90	4.39	4.70	1.01	0.70
12508	Windsor Downtown	467 University Ave. W.	48	0.17	0.29	0.48	0.64	1.24	1.80	1.80	0.59	0.45
12513	Windsor	3665 Wyandotte St. E., Filtration Plant	47	0.14	0.32	0.57	1.39	2.49	3.25	3.30	0.99	0.62
12556	Windsor	1400 Roselawn Dr., St. Gabriel S.S.	43	0.13	0.20	0.25	0.40	0.69	1.16	1.20	0.35	0.28
12559	Windsor	5305 Adstol Ave., St. Alexander S.S.	42	0.10	0.21	0.36	0.56	1.18	1.86	1.90	0.53	0.36
12583	Windsor	13765 St. Gregory's Rd., St. Gregory's S.S.	46	0.05	0.10	0.18	0.25	0.62	1.09	1.20	0.27	0.17
14550	Sarnia	6th Line, Moore Township	39	0.06	0.09	0.13	0.21	0.34	0.41	0.42	INS	INS
14564	Sarnia	Front St./CN Tracks, Centennial Park	47	0.04	0.12	0.16	0.28	0.48	1.26	1.60	0.26	0.17
15525	London	900 Highbury Ave.	44	0.08	0.12	0.20	0.30	0.51	0.64	0.68	0.24	0.20
17550	Beachville	Earl Lantz Property	39	0.04	0.12	0.17	0.25	0.38	0.47	0.48	INS	INS
22304	Nanticoke	Sandusk Rd., Walpole South P.S.	55	0.02	0.10	0.14	0.22	0.43	1.05	1.10	0.21	0.14
27308	St. Catharines	71 King St.	46	0.04	0.12	0.18	0.26	0.37	0.52	0.52	0.21	0.16
27352	Thorold	185 Queen St. S.	44	0.05	0.14	0.18	0.28	0.42	0.63	0.66	0.23	0.17
27383	Port Colborne	Rodney/Davis	41	0.06	0.11	0.18	0.37	0.75	3.44	4.10	0.44	0.21
29300	Hamilton Downtown	Elgin/Kelly St.	49	0.12	0.28	0.40	0.74	1.81	3.50	3.50	0.78	0.44
29302	Hamilton	467 Beach Blvd.	45	0.09	0.37	1.00	1.75	2.40	3.58	3.80	1.22	0.74
29313	Hamilton	Gertrude/Depew St.	40	0.28	0.44	0.86	1.40	2.30	4.06	4.10	1.21	0.85
29314	Hamilton Mountain	Vickers Rd./E. 18th St.	42	0.08	0.12	0.22	0.35	0.86	1.22	1.30	0.34	0.23
35127	Etobicoke South	185 Judson St.	38	0.10	0.26	0.34	0.60	1.14	1.93	2.20	INS	INS
44127	Oakville	Bronte Rd./Woburn Cres.	51	0.10	0.18	0.28	0.43	0.69	1.10	1.40	0.35	0.27
46127	Mississauga	Apple Lane, Meadowood Park	51	0.06	0.10	0.16	0.20	0.38	0.52	0.54	0.19	0.16
63201	Thunder Bay	615 James St. S., MTO	52	0.10	0.22	0.40	0.51	0.89	1.59	1.80	0.46	0.34
63246	Thunder Bay	Montreal St., Can-Car	49	0.10	0.25	0.45	0.60	0.93	1.85	1.90	0.52	0.38
71342	Sault Ste. Marie	Bonney St., Pumphouse	47	0.28	0.80	1.75	2.93	5.80	19.77	24.00	2.99	1.53
71368	Sault Ste. Marie	Patrick St., Wm. Merrifield P.S.	41	0.08	0.19	0.34	0.56	1.36	2.66	2.70	0.57	0.35
77326	Sudbury	19 Lisgar St.	49	0.08	0.16	0.28	0.36	0.55	0.95	1.00	0.31	0.24
77570	Copper Cliff	Market St.	48	0.08	0.13	0.18	0.31	0.86	3.00	4.20	0.40	0.22
77611	Timmins	Baker Lake	14	0.02	0.02	0.02	0.02	0.03	0.13	0.14	INS	INS
77613	Falconbridge	Edison Building	23	0.03	0.06	0.10	0.20	0.26	0.52	0.56	INS	INS

Table 39: Manganese (Mn) in PM_{10} Statistics (2002)

Unit: micrograms per cubic metre (µg/m^3)

ID	City	Location	# of Samples	PERCENTILES 10%	30%	50%	70%	90%	99%	Max.	Arith. Mean	Geom. Mean
12507	Windsor	Wright/Water St.	45	0.002	0.007	0.015	0.024	0.046	0.132	0.150	0.023	0.013
12508	Windsor Downtown	467 University Ave. W.	48	0.002	0.006	0.012	0.016	0.030	0.050	0.054	0.015	0.010
12513	Windsor	3665 Wyandotte St. E., Filtration Plant	47	0.002	0.008	0.019	0.060	0.133	0.201	0.210	0.051	0.021
12556	Windsor	1400 Roselawn Dr., St. Gabriel S.S.	43	0.002	0.004	0.007	0.012	0.021	0.037	0.038	0.010	0.007
12559	Windsor	5305 Adstol Ave., St. Alexander S.S.	42	0.002	0.004	0.010	0.017	0.031	0.050	0.056	0.014	0.009
12583	Windsor	13765 St. Gregory's Rd., St. Gregory's S.S.	46	0.002	0.002	0.004	0.008	0.019	0.041	0.048	0.008	0.005
14550	Sarnia	6th Line, Moore Township	39	0.002	0.002	0.004	0.006	0.018	0.021	0.022	INS	INS
14564	Sarnia	Front St./CN Tracks, Centennial Park	47	0.002	0.002	0.005	0.012	0.019	0.044	0.052	0.009	0.006
15525	London	900 Highbury Ave.	44	0.002	0.002	0.004	0.010	0.020	0.032	0.036	0.009	0.005
17550	Beachville	Earl Lantz Property	39	0.002	0.002	0.003	0.008	0.016	0.028	0.028	INS	INS
22304	Nanticoke	Sandusk Rd., Walpole South P.S.	55	0.002	0.002	0.004	0.008	0.015	0.038	0.038	0.007	0.005
27308	St. Catharines	71 King St.	46	0.002	0.004	0.006	0.012	0.016	0.019	0.020	0.008	0.006
27352	Thorold	185 Queen St. S.	44	0.002	0.004	0.006	0.013	0.022	0.032	0.036	0.009	0.007
27383	Port Colborne	Rodney/Davis	41	0.002	0.005	0.010	0.014	0.024	0.070	0.074	0.014	0.009
29300	Hamilton Downtown	Elgin/Kelly St.	49	0.006	0.012	0.023	0.039	0.141	0.499	0.690	0.058	0.024
29302	Hamilton	467 Beach Blvd.	45	0.002	0.019	0.043	0.086	0.125	0.199	0.230	0.060	0.033
29313	Hamilton	Gertrude/Depew St.	40	0.010	0.028	0.044	0.076	0.140	0.146	0.150	0.059	0.042
29314	Hamilton Mountain	Vickers Rd./E. 18th St.	42	0.002	0.007	0.008	0.019	0.042	0.076	0.084	0.018	0.011
35127	Etobicoke South	185 Judson St.	38	0.006	0.011	0.016	0.022	0.050	0.075	0.076	INS	INS
44127	Oakville	Bronte Rd./Woburn Cres.	51	0.002	0.006	0.010	0.016	0.024	0.038	0.042	0.012	0.009
46127	Mississauga	Apple Lane, Meadowood Park	51	0.002	0.002	0.004	0.008	0.014	0.022	0.024	0.006	0.005
63201	Thunder Bay	615 James St. S., MTO	52	0.002	0.004	0.008	0.017	0.024	0.041	0.044	0.012	0.008
63246	Thunder Bay	Montreal St., Can-Car	49	0.002	0.005	0.013	0.018	0.028	0.051	0.056	0.015	0.010
71342	Sault Ste. Marie	Bonney St., Pumphouse	47	0.011	0.050	0.078	0.129	0.283	0.491	0.510	0.117	0.068
71368	Sault Ste. Marie	Patrick St., Wm. Merrifield P.S.	41	0.004	0.010	0.014	0.025	0.064	0.104	0.110	0.026	0.016
77326	Sudbury	19 Lisgar St.	49	0.002	0.004	0.004	0.006	0.010	0.014	0.014	0.006	0.005
77570	Copper Cliff	Market St.	48	0.002	0.002	0.004	0.006	0.010	0.016	0.016	0.005	0.004
77611	Timmins	Baker Lake	14	0.002	0.002	0.002	0.002	0.002	0.002	0.002	INS	INS
77613	Falconbridge	Edison Building	23	0.002	0.002	0.002	0.004	0.006	0.011	0.012	INS	INS

Table 40: Lead (Pb) in PM_{10} Statistics (2002)

Unit: micrograms per cubic metre ($\mu g/m^3$)

ID	City	Location	# of Samples	PERCENTILES 10%	30%	50%	70%	90%	99%	Max.	Arith. Mean	Geom. Mean
12507	Windsor	Wright/Water St.	45	0.01	0.01	0.01	0.01	0.02	0.03	0.03	0.01	0.01
12508	Windsor Downtown	467 University Ave. W.	48	0.01	0.01	0.01	0.01	0.01	0.03	0.03	0.01	0.01
12513	Windsor	3665 Wyandotte St. E., Filtration Plant	47	0.01	0.01	0.01	0.01	0.01	0.03	0.03	0.01	0.01
12556	Windsor	1400 Roselawn Dr., St. Gabriel S.S.	43	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.01	0.01
12559	Windsor	5305 Adstol Ave., St. Alexander S.S.	42	0.01	0.01	0.01	0.01	0.02	0.03	0.03	0.01	0.01
12583	Windsor	13765 St. Gregory's Rd., St. Gregory's S.S.	46	0.01	0.01	0.01	0.01	0.02	0.04	0.04	0.01	0.01
14550	Sarnia	6th Line, Moore Township	39	0.01	0.01	0.01	0.01	0.03	0.04	0.04	INS	INS
14564	Sarnia	Front St./CN Tracks, Centennial Park	47	0.01	0.01	0.01	0.01	0.03	0.04	0.04	0.01	0.01
15525	London	900 Highbury Ave.	44	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.01	0.01
17550	Beachville	Earl Lantz Property	39	0.01	0.01	0.01	0.01	0.01	0.03	0.03	INS	INS
22304	Nanticoke	Sandusk Rd., Walpole South P.S.	55	0.01	0.01	0.01	0.01	0.01	0.07	0.13	0.01	0.01
27308	St. Catharines	71 King St.	46	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.01	0.01
27352	Thorold	185 Queen St. S.	44	0.01	0.01	0.01	0.01	0.01	0.03	0.03	0.01	0.01
27383	Port Colborne	Rodney/Davis	41	0.01	0.01	0.01	0.02	0.03	0.10	0.12	0.02	0.01
29300	Hamilton Downtown	Elgin/Kelly St.	49	0.01	0.01	0.01	0.02	0.03	0.07	0.09	0.02	0.01
29302	Hamilton	467 Beach Blvd.	45	0.01	0.01	0.01	0.02	0.04	0.15	0.22	0.02	0.02
29313	Hamilton	Gertrude/Depew St.	40	0.01	0.01	0.01	0.02	0.03	0.05	0.05	0.02	0.01
29314	Hamilton Mountain	Vickers Rd./E. 18th St.	42	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.01	0.01
35127	Etobicoke South	185 Judson St.	38	0.01	0.01	0.01	0.01	0.04	0.05	0.05	INS	INS
44127	Oakville	Bronte Rd./Woburn Cres.	51	0.01	0.01	0.01	0.01	0.01	0.02	0.03	0.01	0.01
46127	Mississauga	Apple Lane, Meadowood Park	51	0.01	0.01	0.01	0.01	0.01	0.02	0.04	0.01	0.01
63201	Thunder Bay	615 James St. S., MTO	52	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.01	0.01
63246	Thunder Bay	Montreal St., Can-Car	49	0.01	0.01	0.01	0.01	0.01	0.06	0.08	0.01	0.01
71342	Sault Ste. Marie	Bonney St., Pumphouse	47	0.01	0.01	0.01	0.01	0.01	0.06	0.08	0.01	0.01
71368	Sault Ste. Marie	Patrick St., Wm. Merrifield P.S.	41	0.01	0.01	0.01	0.01	0.01	0.02	0.03	0.01	0.01
77326	Sudbury	19 Lisgar St.	49	0.01	0.01	0.01	0.02	0.04	0.07	0.07	0.02	0.02
77570	Copper Cliff	Market St.	48	0.01	0.01	0.01	0.02	0.06	0.09	0.10	0.02	0.02
77611	Timmins	Baker Lake	14	0.01	0.01	0.01	0.01	0.01	0.01	0.01	INS	INS
77613	Falconbridge	Edison Building	23	0.01	0.01	0.01	0.01	0.02	0.06	0.06	INS	INS

Table 41: Chromium (Cr) in PM_{10} Statistics (2002)

Unit: micrograms per cubic metre (µg/m^3)

ID	City	Location	# of Samples	PERCENTILES							Arith. Mean	Geom. Mean
				10%	30%	50%	70%	90%	99%	Max.		
12507	Windsor	Wright/Water St.	45	0.002	0.002	0.002	0.004	0.009	0.019	0.022	0.004	0.003
12508	Windsor Downtown	467 University Ave. W.	48	0.002	0.002	0.002	0.004	0.006	0.010	0.012	0.003	0.003
12513	Windsor	3665 Wyandotte St. E., Filtration Plant	47	0.002	0.002	0.003	0.008	0.029	0.062	0.070	0.011	0.005
12556	Windsor	1400 Roselawn Dr., St. Gabriel S.S.	43	0.002	0.002	0.002	0.002	0.004	0.005	0.006	0.002	0.003
12559	Windsor	5305 Adstol Ave., St. Alexander S.S.	42	0.002	0.002	0.002	0.003	0.006	0.009	0.010	0.003	0.003
12583	Windsor	13765 St. Gregory's Rd., St. Gregory's S.S.	46	0.002	0.002	0.002	0.002	0.007	0.012	0.014	0.003	0.003
14550	Sarnia	6th Line, Moore Township	39	0.002	0.002	0.002	0.002	0.008	0.010	0.010	INS	INS
14564	Sarnia	Front St./CN Tracks, Centennial Park	47	0.002	0.002	0.002	0.002	0.008	0.012	0.012	0.003	0.003
15525	London	900 Highbury Ave.	44	0.002	0.002	0.002	0.002	0.006	0.018	0.024	0.003	0.003
17550	Beachville	Earl Lantz Property	39	0.002	0.002	0.002	0.002	0.004	0.004	0.004	INS	INS
22304	Nanticoke	Sandusk Rd., Walpole South P.S.	55	0.002	0.002	0.002	0.002	0.002	0.006	0.006	0.002	0.002
27308	St. Catharines	71 King St.	46	0.002	0.002	0.002	0.002	0.004	0.012	0.018	0.003	0.002
27352	Thorold	185 Queen St. S.	44	0.002	0.002	0.002	0.006	0.018	0.095	0.110	0.010	0.004
27383	Port Colborne	Rodney/Davis	41	0.002	0.002	0.002	0.004	0.008	0.027	0.028	0.004	0.003
29300	Hamilton Downtown	Elgin/Kelly St.	49	0.002	0.002	0.002	0.004	0.014	0.023	0.024	0.005	0.003
29302	Hamilton	467 Beach Blvd.	45	0.002	0.002	0.006	0.009	0.017	0.023	0.024	0.008	0.005
29313	Hamilton	Gertrude/Depew St.	40	0.002	0.002	0.006	0.010	0.024	0.030	0.032	0.009	0.006
29314	Hamilton Mountain	Vickers Rd./E. 18th St.	42	0.002	0.002	0.002	0.002	0.004	0.009	0.010	0.003	0.003
35127	Etobicoke South	185 Judson St.	38	0.002	0.002	0.002	0.004	0.008	0.018	0.020	INS	INS
44127	Oakville	Bronte Rd./Woburn Cres.	51	0.002	0.002	0.002	0.002	0.004	0.012	0.016	0.003	0.002
46127	Mississauga	Apple Lane, Meadowood Park	51	0.002	0.002	0.002	0.002	0.004	0.005	0.006	0.002	0.002
63201	Thunder Bay	615 James St. S., MTO	52	0.002	0.002	0.002	0.002	0.004	0.007	0.008	0.003	0.002
63246	Thunder Bay	Montreal St., Can-Car	49	0.002	0.002	0.002	0.003	0.006	0.010	0.010	0.003	0.003
71342	Sault Ste. Marie	Bonney St., Pumphouse	47	0.002	0.002	0.004	0.012	0.025	0.063	0.072	0.011	0.006
71368	Sault Ste. Marie	Patrick St., Wm. Merrifield P.S.	41	0.002	0.002	0.002	0.002	0.006	0.016	0.018	0.003	0.003
77326	Sudbury	19 Lisgar St.	49	0.002	0.002	0.002	0.002	0.004	0.005	0.006	0.002	0.002
77570	Copper Cliff	Market St.	48	0.002	0.002	0.002	0.002	0.006	0.009	0.010	0.003	0.003
77611	Timmins	Baker Lake	14	0.002	0.002	0.002	0.002	0.002	0.002	0.002	INS	INS
77613	Falconbridge	Edison Building	23	0.002	0.002	0.002	0.002	0.004	0.006	0.006	INS	INS

Table 42: Cadmium (Cd) in PM_{10} Statistics (2002)

Unit: nanograms per cubic metre (ng/m^3)

ID	City	Location	# of Samples	PERCENTILES 10%	30%	50%	70%	90%	99%	Max.	Arith. Mean	Geom. Mean
12507	Windsor	Wright/Water St.	45	0.135	0.220	0.290	0.400	0.615	1.048	1.210	0.358	0.300
12508	Windsor Downtown	467 University Ave. W.	48	0.108	0.238	0.320	0.466	0.618	0.777	0.830	0.351	0.295
12513	Windsor	3665 Wyandotte St. E., Filtration Plant	47	0.090	0.164	0.290	0.474	0.810	1.664	2.110	0.406	0.293
12556	Windsor	1400 Roselawn Dr., St. Gabriel S.S.	43	0.093	0.149	0.220	0.290	0.387	0.853	1.120	0.245	0.205
12559	Windsor	5305 Adstol Ave., St. Alexander S.S.	42	0.102	0.140	0.250	0.344	0.436	0.634	0.680	0.259	0.217
12583	Windsor	13765 St. Gregory's Rd., St. Gregory's S.S.	46	0.066	0.110	0.160	0.230	0.340	0.479	0.520	0.185	0.153
14550	Sarnia	6th Line, Moore Township	39	0.050	0.090	0.140	0.170	0.324	0.523	0.620	INS	INS
14564	Sarnia	Front St./CN Tracks, Centennial Park	47	0.080	0.132	0.205	0.289	0.606	1.704	1.930	0.312	0.236
15525	London	900 Highbury Ave.	44	0.034	0.092	0.120	0.194	0.366	3.917	5.620	0.337	0.181
17550	Beachville	Earl Lantz Property	39	0.060	0.107	0.145	0.236	0.441	0.774	0.930	INS	INS
22304	Nanticoke	Sandusk Rd., Walpole South P.S.	55	0.040	0.090	0.120	0.245	0.360	0.789	1.130	0.192	0.155
27308	St. Catharines	71 King St.	46	0.076	0.128	0.150	0.212	0.314	0.386	0.400	0.180	0.154
27352	Thorold	185 Queen St. S.	44	0.070	0.102	0.150	0.246	0.332	0.485	0.520	0.185	0.155
27383	Port Colborne	Rodney/Davis	34	0.064	0.102	0.160	0.246	0.348	0.446	0.470	INS	INS
29300	Hamilton Downtown	Elgin/Kelly St.	49	0.079	0.130	0.210	0.330	0.505	0.806	0.850	0.266	0.210
29302	Hamilton	467 Beach Blvd.	45	0.090	0.195	0.330	0.415	0.565	1.535	2.030	0.363	0.280
29313	Hamilton	Gertrude/Depew St.	40	0.150	0.190	0.280	0.400	0.540	1.906	2.470	0.387	0.305
29314	Hamilton Mountain	Vickers Rd./E. 18th St.	42	0.070	0.100	0.150	0.242	0.316	0.431	0.460	0.184	0.156
35127	Etobicoke South	185 Judson St.	37	0.100	0.152	0.215	0.368	0.657	1.257	1.320	INS	INS
44127	Oakville	Bronte Rd./Woburn Cres.	51	0.070	0.110	0.160	0.227	0.349	0.839	0.870	0.206	0.187
46127	Mississauga	Apple Lane, Meadowood Park	51	0.080	0.123	0.185	0.260	0.715	4.731	7.500	0.456	0.223
63201	Thunder Bay	615 James St. S., MTO	52	0.040	0.060	0.090	0.140	0.268	1.654	2.980	0.173	0.096
63246	Thunder Bay	Montreal St., Can-Car	49	0.060	0.090	0.115	0.153	0.254	4.208	7.760	0.293	0.129
71342	Sault Ste. Marie	Bonney St., Pumphouse	47	0.050	0.110	0.155	0.267	0.496	1.800	1.880	0.295	0.178
71368	Sault Ste. Marie	Patrick St., Wm. Merrifield P.S.	41	0.041	0.080	0.120	0.160	0.301	0.554	0.620	0.153	0.121
77326	Sudbury	19 Lisgar St.	49	0.099	0.265	0.475	0.809	2.030	5.282	6.100	0.883	0.474
77570	Copper Cliff	Market St.	48	0.060	0.090	0.160	0.374	2.620	7.055	8.010	0.884	0.266
77611	Timmins	Baker Lake	14	0.020	0.022	0.060	0.130	0.228	0.357	0.370	INS	INS
77613	Falconbridge	Edison Building	23	0.073	0.198	0.300	0.438	2.304	27.502	30.400	INS	INS

Table 43: Vanadium (V) in PM_{10} Statistics (2002)

Unit: micrograms per cubic metre ($\mu g/m^3$)

ID	City	Location	# of Samples	PERCENTILES						Max.	Arith. Mean	Geom. Mean
				10%	30%	50%	70%	90%	99%			
12507	Windsor	Wright/Water St.	45	0.005	0.005	0.005	0.005	0.010	0.018	0.020	0.006	0.006
12508	Windsor Downtown	467 University Ave. W.	48	0.005	0.005	0.005	0.005	0.006	0.010	0.010	0.006	0.005
12513	Windsor	3665 Wyandotte St. E., Filtration Plant	47	0.005	0.005	0.005	0.005	0.007	0.015	0.015	0.006	0.005
12556	Windsor	1400 Roselawn Dr., St. Gabriel S.S.	43	0.005	0.005	0.005	0.005	0.005	0.013	0.015	0.005	0.005
12559	Windsor	5305 Adstol Ave., St. Alexander S.S.	42	0.005	0.005	0.005	0.005	0.009	0.010	0.010	0.006	0.005
12583	Windsor	13765 St. Gregory's Rd., St. Gregory's S.S.	46	0.005	0.005	0.005	0.005	0.015	0.025	0.025	0.007	0.006
14550	Sarnia	6th Line, Moore Township	39	0.005	0.005	0.005	0.005	0.025	0.033	0.035	INS	INS
14564	Sarnia	Front St./CN Tracks, Centennial Park	47	0.005	0.005	0.005	0.015	0.045	0.088	0.100	0.016	0.010
15525	London	900 Highbury Ave.	44	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
17550	Beachville	Earl Lantz Property	39	0.005	0.005	0.005	0.005	0.005	0.005	0.005	INS	INS
22304	Nanticoke	Sandusk Rd., Walpole South P.S.	55	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
27308	St. Catharines	71 King St.	46	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
27352	Thorold	185 Queen St. S.	44	0.005	0.005	0.005	0.005	0.005	0.008	0.010	0.005	0.007
27383	Port Colborne	Rodney/Davis	41	0.005	0.005	0.005	0.005	0.005	0.010	0.010	0.005	0.005
29300	Hamilton Downtown	Elgin/Kelly St.	49	0.005	0.005	0.005	0.005	0.010	0.013	0.015	0.006	0.005
29302	Hamilton	467 Beach Blvd.	45	0.005	0.005	0.005	0.010	0.010	0.015	0.015	0.007	0.007
29313	Hamilton	Gertrude/Depew St.	40	0.005	0.005	0.005	0.005	0.010	0.013	0.015	0.007	0.006
29314	Hamilton Mountain	Vickers Rd./E. 18th St.	42	0.005	0.005	0.005	0.005	0.005	0.016	0.020	0.006	0.006
35127	Etobicoke South	185 Judson St.	38	0.005	0.005	0.005	0.005	0.011	0.018	0.020	INS	INS
44127	Oakville	Bronte Rd./Woburn Cres.	51	0.005	0.005	0.005	0.005	0.005	0.007	0.010	0.005	0.005
46127	Mississauga	Apple Lane, Meadowood Park	51	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
63201	Thunder Bay	615 James St. S., MTO	52	0.005	0.005	0.005	0.005	0.005	0.007	0.010	0.005	0.005
63246	Thunder Bay	Montreal St., Can-Car	49	0.005	0.005	0.005	0.005	0.005	0.010	0.010	0.005	0.005
71342	Sault Ste. Marie	Bonney St., Pumphouse	47	0.005	0.005	0.005	0.005	0.015	0.038	0.040	0.008	0.007
71368	Sault Ste. Marie	Patrick St., Wm. Merrifield P.S.	41	0.005	0.005	0.005	0.005	0.005	0.010	0.010	0.005	0.005
77326	Sudbury	19 Lisgar St.	49	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
77570	Copper Cliff	Market St.	48	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
77611	Timmins	Baker Lake	14	0.005	0.005	0.005	0.005	0.005	0.005	0.005	INS	INS
77613	Falconbridge	Edison Building	23	0.005	0.005	0.005	0.005	0.005	0.005	0.005	INS	INS

Table 44: Nickel (Ni) in PM_{10} Statistics (2002)

Unit: micrograms per cubic metre ($\mu g/m^3$)

ID	City	Location	# of Samples	PERCENTILES 10%	30%	50%	70%	90%	99%	Max.	Arith. Mean	Geom. Mean
12507	Windsor	Wright/Water St.	45	0.002	0.002	0.002	0.002	0.004	0.009	0.010	0.003	0.003
12508	Windsor Downtown	467 University Ave. W.	48	0.002	0.002	0.002	0.002	0.004	0.005	0.006	0.003	0.002
12513	Windsor	3665 Wyandotte St. E., Filtration Plant	47	0.002	0.002	0.002	0.002	0.004	0.013	0.016	0.003	0.002
12556	Windsor	1400 Roselawn Dr., St. Gabriel S.S.	43	0.002	0.002	0.002	0.002	0.003	0.006	0.008	0.002	0.002
12559	Windsor	5305 Adstol Ave., St. Alexander S.S.	42	0.002	0.002	0.002	0.002	0.004	0.004	0.004	0.002	0.002
12583	Windsor	13765 St. Gregory's Rd., St. Gregory's S.S.	46	0.002	0.002	0.002	0.002	0.002	0.008	0.010	0.002	0.002
14550	Sarnia	6th Line, Moore Township	39	0.002	0.002	0.002	0.002	0.004	0.018	0.022	INS	INS
14564	Sarnia	Front St./CN Tracks, Centennial Park	47	0.002	0.002	0.002	0.004	0.019	0.039	0.044	0.006	0.004
15525	London	900 Highbury Ave.	44	0.002	0.002	0.002	0.002	0.002	0.009	0.014	0.002	0.002
17550	Beachville	Earl Lantz Property	39	0.002	0.002	0.002	0.002	0.002	0.002	0.002	INS	INS
22304	Nanticoke	Sandusk Rd., Walpole South P.S.	55	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
27308	St. Catharines	71 King St.	46	0.002	0.002	0.002	0.002	0.002	0.004	0.004	0.002	0.002
27352	Thorold	185 Queen St. S.	44	0.002	0.002	0.002	0.002	0.004	0.006	0.006	0.003	0.002
27383	Port Colborne	Rodney/Davis	41	0.002	0.002	0.004	0.007	0.016	0.370	0.610	0.021	0.005
29300	Hamilton Downtown	Elgin/Kelly St.	49	0.002	0.002	0.002	0.002	0.004	0.008	0.010	0.003	0.002
29302	Hamilton	467 Beach Blvd.	45	0.002	0.002	0.002	0.003	0.007	0.011	0.012	0.003	0.003
29313	Hamilton	Gertrude/Depew St.	40	0.002	0.002	0.002	0.004	0.006	0.008	0.008	0.003	0.003
29314	Hamilton Mountain	Vickers Rd./E. 18th St.	42	0.002	0.002	0.002	0.002	0.002	0.011	0.016	0.002	0.002
35127	Etobicoke South	185 Judson St.	38	0.002	0.002	0.002	0.002	0.004	0.007	0.008	INS	INS
44127	Oakville	Bronte Rd./Woburn Cres.	51	0.002	0.002	0.002	0.002	0.004	0.005	0.006	0.002	0.002
46127	Mississauga	Apple Lane, Meadowood Park	51	0.002	0.002	0.002	0.002	0.002	0.003	0.004	0.002	0.002
63201	Thunder Bay	615 James St. S., MTO	52	0.002	0.002	0.002	0.002	0.002	0.004	0.006	0.002	0.002
63246	Thunder Bay	Montreal St., Can-Car	49	0.002	0.002	0.002	0.002	0.002	0.006	0.008	0.002	0.002
71342	Sault Ste. Marie	Bonney St., Pumphouse	47	0.002	0.002	0.002	0.004	0.007	0.022	0.032	0.004	0.003
71368	Sault Ste. Marie	Patrick St., Wm. Merrifield P.S.	41	0.002	0.002	0.002	0.002	0.002	0.010	0.010	0.002	0.002
77326	Sudbury	19 Lisgar St.	49	0.002	0.005	0.014	0.034	0.062	0.130	0.150	0.027	0.013
77570	Copper Cliff	Market St.	48	0.006	0.012	0.026	0.064	0.140	0.526	0.780	0.071	0.030
77611	Timmins	Baker Lake	14	0.002	0.002	0.002	0.002	0.002	0.002	0.002	INS	INS
77613	Falconbridge	Edison Building	23	0.003	0.006	0.010	0.012	0.042	0.126	0.140	INS	INS

Table 45: Calcium (Ca) in PM_{10} Statistics (2002)

Unit: micrograms per cubic metre (µg/m^3)

ID	City	Location	# of Samples	PERCENTILES 10%	30%	50%	70%	90%	99%	Max.	Arith. Mean	Geom. Mean
12507	Windsor	Wright/Water St.	45	0.05	0.38	0.68	1.05	1.60	2.53	2.80	0.81	0.52
12508	Windsor Downtown	467 University Ave. W.	48	0.05	0.35	0.60	0.90	1.44	1.90	2.00	0.68	0.45
12513	Windsor	3665 Wyandotte St. E., Filtration Plant	47	0.05	0.35	0.55	1.00	2.12	3.02	3.40	0.86	0.50
12556	Windsor	1400 Roselawn Dr., St. Gabriel S.S.	43	0.15	0.25	0.45	0.71	0.90	1.49	1.70	0.52	0.38
12559	Windsor	5305 Adstol Ave., St. Alexander S.S.	42	0.15	0.38	0.55	1.20	1.80	2.90	3.40	0.87	0.58
12583	Windsor	13765 St. Gregory's Rd., St. Gregory's S.S.	46	0.05	0.14	0.20	0.60	0.90	1.85	1.90	0.42	0.24
14550	Sarnia	6th Line, Moore Township	39	0.05	0.10	0.30	0.52	0.85	1.12	1.20	INS	INS
14564	Sarnia	Front St./CN Tracks, Centennial Park	47	0.05	0.15	0.40	0.65	0.99	2.67	2.90	0.52	0.28
15525	London	900 Highbury Ave.	44	0.05	0.22	0.60	1.38	2.36	3.46	3.50	0.97	0.48
17550	Beachville	Earl Lantz Property	39	0.05	0.80	1.25	1.86	4.92	23.37	30.00	INS	INS
22304	Nanticoke	Sandusk Rd., Walpole South P.S.	55	0.05	0.05	0.10	0.30	0.40	0.85	1.10	0.20	0.13
27308	St. Catharines	71 King St.	46	0.05	0.23	0.50	0.65	1.00	1.50	1.50	0.49	0.32
27352	Thorold	185 Queen St. S.	44	0.05	0.15	0.25	0.50	1.12	1.75	2.10	0.43	0.27
27383	Port Colborne	Rodney/Davis	41	0.05	0.15	0.28	0.60	0.80	1.52	1.60	0.42	0.27
29300	Hamilton Downtown	Elgin/Kelly St.	49	0.05	0.40	0.70	1.00	2.20	2.80	3.00	0.87	0.53
29302	Hamilton	467 Beach Blvd.	45	0.10	0.45	0.85	1.40	2.10	3.35	3.80	1.08	0.70
29313	Hamilton	Gertrude/Depew St.	40	0.25	0.55	0.95	1.20	2.20	2.96	3.00	1.08	0.79
29314	Hamilton Mountain	Vickers Rd./E. 18th St.	42	0.05	0.18	0.35	0.57	1.08	1.47	1.60	0.47	0.33
35127	Etobicoke South	185 Judson St.	38	0.09	0.39	0.80	1.16	1.80	4.55	5.50	INS	INS
44127	Oakville	Bronte Rd./Woburn Cres.	51	0.05	0.25	0.38	0.50	0.75	1.50	1.60	0.42	0.30
46127	Mississauga	Apple Lane, Meadowood Park	51	0.05	0.12	0.30	0.49	1.35	2.64	3.20	0.48	0.26
63201	Thunder Bay	615 James St. S., MTO	52	0.05	0.05	0.05	0.20	0.40	0.52	0.55	0.16	0.11
63246	Thunder Bay	Montreal St., Can-Car	49	0.05	0.05	0.20	0.35	0.66	1.16	1.50	0.28	0.19
71342	Sault Ste. Marie	Bonney St., Pumphouse	47	0.10	0.71	1.40	2.29	5.30	8.78	10.00	2.20	1.13
71368	Sault Ste. Marie	Patrick St., Wm. Merrifield P.S.	41	0.05	0.15	0.28	0.59	1.67	1.86	1.90	0.55	0.30
77326	Sudbury	19 Lisgar St.	49	0.05	0.05	0.05	0.05	0.20	0.60	0.65	0.10	0.07
77570	Copper Cliff	Market St.	48	0.05	0.05	0.05	0.13	0.30	0.65	0.75	0.13	0.09
77611	Timmins	Baker Lake	14	0.05	0.05	0.05	0.05	0.05	0.05	0.05	INS	INS
77613	Falconbridge	Edison Building	23	0.05	0.05	0.05	0.10	0.32	0.97	1.10	INS	INS

Table 46: Zinc (Zn) in PM_{10} Statistics (2002)

Unit: micrograms per cubic metre ($\mu g/m^3$)

ID	City	Location	# of Samples	PERCENTILES 10%	30%	50%	70%	90%	99%	Max.	Arith. Mean	Geom. Mean
12507	Windsor	Wright/Water St.	45	0.015	0.035	0.053	0.095	0.205	0.582	0.640	0.101	0.058
12508	Windsor	467 University Ave.	48	0.005	0.025	0.040	0.068	0.108	0.270	0.280	0.059	0.038
12513	Windsor	3665 Wyandotte St. E.	47	0.005	0.030	0.058	0.109	0.276	0.492	0.520	0.108	0.054
12556	Windsor	St. Gabriel S.S.	43	0.010	0.020	0.030	0.045	0.067	0.091	0.100	0.036	0.028
12559	Windsor	St. Alexander S.S.	42	0.005	0.015	0.025	0.044	0.099	0.142	0.150	0.040	0.025
12583	Windsor	St. Gregorys S.S.	46	0.005	0.010	0.015	0.035	0.067	0.085	0.090	0.028	0.020
14550	Sarnia	6th Line, Moore Township	39	0.005	0.005	0.015	0.027	0.042	0.078	0.080	INS	INS
14564	Sarnia	Front St./CN Tracks, Centennial Park	47	0.005	0.016	0.033	0.045	0.088	0.307	0.420	0.050	0.029
15525	London	900 Highbury Ave.	44	0.005	0.010	0.015	0.020	0.040	0.077	0.090	0.019	0.014
17550	Beachville	Earl Lantz Property	39	0.005	0.005	0.005	0.020	0.031	0.045	0.045	INS	INS
22304	Nanticoke	Sandusk Rd., Walpole South P.S.	55	0.005	0.010	0.020	0.028	0.090	0.353	0.540	0.042	0.019
27308	St. Catharines	71 King St.	46	0.005	0.010	0.015	0.021	0.035	0.048	0.050	0.018	0.015
27352	Thorold	185 Queen St. S.	44	0.005	0.010	0.020	0.025	0.035	0.058	0.060	0.020	0.015
27383	Port Colborne	Rodney/Davis	41	0.005	0.015	0.018	0.025	0.035	0.062	0.070	0.021	0.017
29300	Hamilton	Elgin/Kelly St.	49	0.005	0.019	0.028	0.052	0.144	0.331	0.380	0.060	0.031
29302	Hamilton	467 Beach Blvd.	45	0.010	0.030	0.093	0.140	0.205	0.303	0.330	0.101	0.060
29313	Hamilton	Gertrude/Depew St.	40	0.020	0.040	0.065	0.095	0.180	0.424	0.520	0.090	0.064
29314	Hamilton	Vickers Rd./E. 18th St.	42	0.005	0.013	0.020	0.032	0.072	0.106	0.110	0.031	0.020
35127	Etobicoke	185 Judson St.	38	0.005	0.015	0.030	0.058	0.120	0.389	0.530	INS	INS
44127	Oakville	Bronte Rd./Woburn Cres.	51	0.005	0.010	0.015	0.025	0.050	0.085	0.100	0.023	0.016
46127	Mississauga	Apple Lane, Meadowood Park	51	0.005	0.010	0.015	0.020	0.040	0.072	0.080	0.020	0.015
63201	Thunder Bay	615 James St. S., MTO	52	0.005	0.005	0.010	0.020	0.025	0.050	0.060	0.015	0.012
63246	Thunder Bay	Montreal St., Can-Car	49	0.005	0.005	0.013	0.020	0.046	0.093	0.095	0.021	0.013
71342	Sault Ste. Marie	Bonney St., Pumphouse	47	0.005	0.010	0.020	0.045	0.103	0.155	0.160	0.041	0.022
71368	Sault Ste. Marie	Patrick St., Wm. Merrifield P.S.	41	0.005	0.005	0.015	0.024	0.045	0.072	0.080	0.020	0.013
77326	Sudbury	19 Lisgar St.	49	0.005	0.005	0.005	0.010	0.020	0.028	0.030	0.010	0.008
77570	Copper Cliff	Market St.	48	0.005	0.005	0.010	0.015	0.025	0.056	0.075	0.013	0.010
77611	Timmins	Baker Lake	14	0.005	0.005	0.005	0.005	0.005	0.009	0.010	INS	INS
77613	Falconbridge	Edison Building	23	0.005	0.005	0.005	0.010	0.024	0.097	0.100	INS	INS

Table 47: Sulphate (SO_4^{2-}) in PM_{10} Statistics (2002)

Unit: micrograms per cubic metre ($\mu g/m^3$)

ID	City	Location	# of Samples	PERCENTILES 10%	30%	50%	70%	90%	99%	Max.	Arith. Mean	Geom. Mean
12507	Windsor	Wright/Water St.	45	1.6	2.6	3.6	4.3	10.9	16.7	19.8	4.7	3.7
12508	Windsor Downtown	467 University Ave. W.	48	1.4	2.5	3.7	5.1	12.1	21.2	25.6	5.2	3.8
12513	Windsor	3665 Wyandotte St. E., Filtration Plant	47	1.3	2.1	3.3	4.5	10.0	16.4	19.8	4.4	3.4
12556	Windsor	1400 Roselawn Dr., St. Gabriel S.S.	43	1.1	2.3	3.1	3.7	9.7	16.5	20.2	4.3	3.2
12559	Windsor	5305 Adstol Ave., St. Alexander S.S.	42	1.2	2.1	3.2	4.4	11.1	17.8	21.0	4.5	3.4
12583	Windsor	13765 St. Gregory's Rd., St. Gregory's S.S.	46	1.1	2.1	2.9	3.9	9.8	16.7	20.1	4.2	3.1
14550	Sarnia	6th Line, Moore Township	39	1.2	2.1	3.0	3.9	9.9	15.7	16.1	INS	INS
14564	Sarnia	Front St./CN Tracks, Centennial Park	47	1.0	2.0	3.0	4.3	10.7	34.2	48.0	5.3	3.3
15525	London	900 Highbury Ave.	44	1.2	2.0	2.6	3.7	7.5	17.4	18.8	3.8	2.9
17550	Beachville	Earl Lantz Property	39	1.2	1.7	2.4	3.4	9.7	16.7	17.4	INS	INS
22304	Nanticoke	Sandusk Rd., Walpole South P.S.	55	1.4	2.4	3.2	4.0	6.0	18.1	18.6	4.0	3.2
27308	St. Catharines	71 King St.	46	1.3	2.0	2.6	3.5	5.3	20.3	20.4	3.6	2.7
27352	Thorold	185 Queen St. S.	44	1.2	1.9	2.6	4.0	6.1	18.1	21.6	3.8	2.9
29300	Hamilton Downtown	Elgin/Kelly St.	49	1.7	2.4	2.9	4.0	7.2	19.2	23.2	4.2	3.3
29302	Hamilton	467 Beach Blvd.	45	1.4	2.5	4.0	5.0	7.6	21.3	22.0	4.8	3.7
29313	Hamilton	Gertrude/Depew St.	40	1.9	2.6	3.2	3.8	7.2	20.2	22.0	4.3	3.5
29314	Hamilton Mountain	Vickers Rd./E. 18th St.	42	1.4	2.0	2.5	3.2	5.6	19.7	21.3	3.6	2.7
35127	Etobicoke South	185 Judson St.	38	1.0	2.0	2.6	3.8	6.4	21.0	23.6	INS	INS
44127	Oakville	Bronte Rd./Woburn Cres.	51	1.2	1.8	2.4	3.5	5.7	19.2	21.0	3.6	2.7
46127	Mississauga	Apple Lane, Meadowood Park	51	1.0	1.6	2.4	3.5	7.4	21.3	22.3	3.7	2.6
63201	Thunder Bay	615 James St. S., MTO	52	0.6	1.1	1.4	1.9	2.5	4.2	4.9	1.6	1.3
63246	Thunder Bay	Montreal St., Can-Car	49	1.1	1.6	2.2	2.8	3.8	6.4	7.1	2.4	2.1
71342	Sault Ste. Marie	Bonney St., Pumphouse	47	0.9	1.9	2.7	4.1	7.7	13.4	14.3	3.8	2.8
71368	Sault Ste. Marie	Patrick St., Wm. Merrifield P.S.	41	0.7	1.1	1.7	2.4	4.5	10.6	11.3	2.4	1.7
77326	Sudbury	19 Lisgar St.	49	0.7	1.5	1.9	2.7	3.4	9.8	10.2	2.5	1.9
77570	Copper Cliff	Market St.	48	0.8	1.3	2.2	2.9	3.8	11.2	12.3	2.6	2.0
77611	Timmins	Baker Lake	14	0.1	0.4	0.5	0.6	0.8	1.4	1.5	INS	INS
77613	Falconbridge	Edison Building	23	0.5	0.9	1.1	1.7	2.1	3.2	3.5	INS	INS

Table 48: List of Volatile Organic Compounds (VOCs)

Alkanes	Alkenes	Alkynes	Aromatics	Halogenated
Ethane	Ethylene	Acetylene	Benzene	Freon11
Propane	1,3-Butadiene	1-Butyne	Toluene	Dibromomethane
Butane	1-Butene + Isobutene		Styrene	Carbon tetrachloride
Isobutane	trans-2-Butene		Ethylbenzene	Dibromochloromethane
Cyclopentane	cis-2-Butene		Indane	Bromoform
Pentane	Cyclopentene		Iso-Propylbenzene	Bromodichloromethane
Isopentane	Isoprene		n-Propylbenzene	Chloroform
2,2-Dimethylpropane	trans-2-Pentene		sec-Butylbenzene	Chloromethane
Cyclohexane	2-Methyl-1-Butene		tert-Butylbenzene	Dichloromethane
Methylcyclopentane	cis-2-Pentene		iso-Butylbenzene	Freon22
2,2-Dimethylbutane	1-Pentene		Hexylbenzene	Bromomethane
2,3-Dimethylbutane	2-Methyl-2-Butene		*m* +*p* -Xylene	Bromotrichloromethane
3-Methylpentane	Cyclohexene		*o* -Xylene	cis-1,2-Dichloroethylene
2-Methylpentane	1-Methylcyclopentene		3-Ethyltoluene	Tetrachloroethylene
Hexane	2-Ethyl-1-Butene		4-Ethyltoluene	Chloroethane
Methylcyclohexane	cis-2-Hexene		1,3,5-Trimethylbenzene	Trichloroethylene
2,2,3-Trimethylbutane	1-Hexene		2-Ethyltoluene	trans-1,2-Dichloroethylene
3-Methylheptane	3-Methyl-1-Pentene		1,2,4-Trimethylbenzene	1,2-Dichloroethane
2-Methylheptane	trans-4-Methyl-2-Pentene		1,2,3-Trimethylbenzene	1,1-Dichloroethane
4-Methylheptane	cis-4-Methyl-2-Pentene		1,3-Diethylbenzene	1,1,2-Trichloroethane
Heptane	4-Methyl-1-Pentene		Napthalene	Freon114
3-Methylhexane	trans-3-Methyl-2-Pentene		p-Cymene	Freon12
2,2-Dimethylpentane	trans-2-Hexene		1,4-Diethylbenzene	1,1-Dichloroethylene
2,4-Dimethylpentane	cis-3-Methyl-2-Pentene		n-Buytlbenzene	Vinyl chloride
2,3-Dimethylpentane	1-Methylcyclohexene		1,2-Diethylbenzene	1,1,1-Trichloroethane
2-Methylhexane	cis-2-Heptene			1,1,2,2-Tetrachloroethane
cis-1,4-Dimethylcyclohexane	trans-3-Heptene			Trans-1,3-Dichloropropene
+ trans-1,3-Dimethylcyclohexane	1-Heptene			1,2-Dichloropropane
cis-1,3-Dimethylcyclohexane	cis-3-Heptene			cis-1,3-Dichloropropene
trans-1,4-Dimethylcyclohexane	trans-2-Heptene			Hexachlorobutadiene
trans-1,2-Dimethylcyclohexane	1-Octene			1,4-Dichlorobutane
2,2,4-Trimethylpentane	trans-2-Octene			Chlorobenzene
2,2-Dimethylhexane	1-Nonene			1,3-Dichlorobenzene
Octane	1-Decene			1,4-Dichlorobenzene
2,4-Dimethylhexane	Propylene			1,2,4-Trichlorobenzene
2,5-Dimethylhexane				1,2-Dichlorobenzene
2,3,4-Trimethylpentane				
2,2,5-Trimethylhexane				
Nonane				
3,6-Dimethyloctane				
Decane				
Undecane				
Dodecane				

Alkanes are saturated hydrocarbons in which all carbon atoms form a single bond with other atoms. Alkenes are unsaturated hydrocarbons in which some carbon atoms form a double bond with other carbon atoms. Alkynes are unsaturated hydrocarbons in which some carbon atoms form a triple bond with other carbon atoms. Aromatics are compounds where the double-bond carbon atoms occur in a ring-type pattern. Halogenated compounds are hydrocarbons which add or substitute one or more atoms of chlorine, bromine, fluorine or iodine.

Table 49: VOC Annual Statistics at Egbert (2002)

Unit: micrograms per cubic metre (µg/m^3)

Compounds	# of Samples	No. < DL	PERCENTILES 5%	25%	50%	75%	90%	Max	Min	Mean	Std.Dev.
1,1,1-Trichloroethane	129	0	0.169	0.180	0.188	0.195	0.202	0.234	0.162	0.188	0.013
1,1,2-Trichloroethane	129	129									
1,2,3-Trimethylbenzene	129	123	0.050	0.050	0.050	0.050	0.050	0.199	0.050	0.053	0.019
1,2,4-Trimethylbenzene	129	92	0.050	0.050	0.050	0.061	0.118	0.798	0.050	0.081	0.104
1,2-Dichloroethane	129	129									
1,3,5-Trimethylbenzene	129	123	0.050	0.050	0.050	0.050	0.050	0.234	0.050	0.054	0.024
1,3-Butadiene	129	124	0.050	0.050	0.050	0.050	0.050	0.116	0.050	0.051	0.007
1,3-Diethylbenzene	129	128	0.050	0.050	0.050	0.050	0.050	0.052	0.050	0.050	0.000
1,4-Dichlorobenzene	129	126	0.050	0.050	0.050	0.050	0.050	0.079	0.050	0.050	0.003
1,4-Diethylbenzene	41	38	0.050	0.050	0.050	0.050	0.050	0.187	0.050	0.054	0.021
1-Butene/Isobutene	129	3	0.053	0.085	0.255	0.311	0.353	0.689	0.050	0.213	0.127
1-Butyne	129	129									
1-Hexene	129	127	0.050	0.050	0.050	0.050	0.050	0.089	0.050	0.050	0.003
1-Pentene	129	124	0.050	0.050	0.050	0.050	0.050	0.122	0.050	0.051	0.007
1-Propyne	129	124	0.050	0.050	0.050	0.050	0.050	0.108	0.050	0.051	0.006
2,2,4-Trimethylpentane	129	73	0.050	0.050	0.050	0.104	0.173	0.463	0.050	0.088	0.068
2,2,5-Trimethylhexane	129	129									
2,2-Dimethylbutane	129	116	0.050	0.050	0.050	0.050	0.051	0.118	0.050	0.052	0.008
2,2-Dimethylhexane	128	126	0.050	0.050	0.050	0.050	0.050	0.094	0.050	0.050	0.004
2,2-Dimethylpentane	129	129									
2,2-Dimethylpropane	129	128	0.050	0.050	0.050	0.050	0.050	0.052	0.050	0.050	0.000
2,3,4-Trimethylpentane	129	113	0.050	0.050	0.050	0.050	0.052	0.157	0.050	0.054	0.015
2,3-Dimethylbutane	129	98	0.050	0.050	0.050	0.050	0.082	0.261	0.050	0.060	0.029
2,3-Dimethylpentane	129	96	0.050	0.050	0.050	0.051	0.085	0.278	0.050	0.060	0.029
2,4-Dimethylhexane	129	125	0.050	0.050	0.050	0.050	0.050	0.098	0.050	0.051	0.005
2,4-Dimethylpentane	129	119	0.050	0.050	0.050	0.050	0.050	0.114	0.050	0.052	0.008
2,5-Dimethylhexane	126	123	0.050	0.050	0.050	0.050	0.050	0.069	0.050	0.050	0.002
2-Ethyltoluene	129	120	0.050	0.050	0.050	0.050	0.050	0.231	0.050	0.055	0.024
2-methyl-1-butene	129	124	0.050	0.050	0.050	0.050	0.050	0.112	0.050	0.051	0.006
2-Methyl-2-butene	129	121	0.050	0.050	0.050	0.050	0.050	0.078	0.050	0.050	0.003
2-Methylheptane	123	109	0.050	0.050	0.050	0.050	0.056	0.204	0.050	0.057	0.027
2-Methylhexane	129	79	0.050	0.050	0.050	0.088	0.131	0.591	0.050	0.081	0.073
2-Methylpentane	129	41	0.050	0.050	0.076	0.176	0.325	1.168	0.050	0.148	0.161
3-Ethyltoluene	129	98	0.050	0.050	0.050	0.050	0.085	0.526	0.050	0.068	0.067
3-Methyl-1-pentene	129	129									
3-Methylheptane	128	110	0.050	0.050	0.050	0.050	0.060	0.190	0.050	0.056	0.021
3-Methylhexane	129	76	0.050	0.050	0.050	0.096	0.137	0.674	0.050	0.085	0.083

Table 49: VOC Annual Statistics at Egbert (2002)

Unit: micrograms per cubic metre (µg/m^3)

Compounds	# of Samples	No. < DL	PERCENTILES 5%	25%	50%	75%	90%	Max	Min	Mean	Std.Dev.
3-Methylpentane	129	55	0.050	0.050	0.061	0.132	0.238	0.854	0.050	0.115	0.119
4-Ethyltoluene	129	118	0.050	0.050	0.050	0.050	0.050	0.260	0.050	0.056	0.028
4-Methyl-1-pentene	129	129									
4-Methylheptane	129	126	0.050	0.050	0.050	0.050	0.050	0.072	0.050	0.050	0.002
Acetaldehyde	44	0	0.686	0.887	1.370	2.131	2.780	5.543	0.624	1.730	1.111
Acetone	44	0	1.478	2.066	3.045	4.502	5.545	7.641	0.991	3.363	1.668
Acetylene	129	0	0.115	0.194	0.350	0.537	0.814	2.365	0.084	0.433	0.334
a-Pinene	129	60	0.050	0.050	0.054	0.112	0.283	1.459	0.050	0.119	0.165
Benzene	129	0	0.091	0.184	0.338	0.541	0.707	1.750	0.058	0.389	0.276
b-Pinene	129	95	0.050	0.050	0.050	0.053	0.124	0.331	0.050	0.069	0.047
Bromoform	129	129									
Bromomethane	129	32	0.050	0.050	0.053	0.058	0.067	0.105	0.050	0.056	0.009
Butane	129	1	0.078	0.207	0.459	1.139	2.253	7.098	0.050	0.906	1.109
Camphene	129	123	0.050	0.050	0.050	0.050	0.050	0.130	0.050	0.051	0.008
Carbontetrachloride	129	0	0.557	0.578	0.601	0.618	0.638	0.679	0.529	0.600	0.029
Chlorobenzene	129	129									
Chloroethane	129	129									
Chloroform	129	4	0.052	0.058	0.064	0.069	0.075	0.091	0.050	0.064	0.009
Chloromethane	129	0	0.912	0.964	1.036	1.079	1.114	1.252	0.860	1.026	0.077
cis-1,2-Dimethylcyclohexane	129	129									
cis-1,3-Dimethylcyclohexane	129	122	0.050	0.050	0.050	0.050	0.050	0.116	0.050	0.052	0.010
cis-1,4/t-1,3-Dimethylcyclohexane	129	129									
cis-2-Butene	129	125	0.050	0.050	0.050	0.050	0.050	0.123	0.050	0.051	0.008
cis-2-Hexene	129	129									
cis-2-Pentene	129	129									
cis-3-Methyl-2-pentene	129	129									
cis-4-Methyl-2-pentene	129	129									
Cyclohexane	129	94	0.050	0.050	0.050	0.055	0.129	0.269	0.050	0.066	0.041
Cyclopentane	129	85	0.050	0.050	0.050	0.057	0.080	0.234	0.050	0.061	0.029
Cyclopentene	129	129									
Decane	129	102	0.050	0.050	0.050	0.050	0.092	0.523	0.050	0.067	0.062
Dichloromethane	129	0	0.109	0.138	0.160	0.212	0.358	3.439	0.100	0.247	0.356
d-Limonene	129	124	0.050	0.050	0.050	0.050	0.050	0.100	0.050	0.051	0.006
Dodecane	129	118	0.050	0.050	0.050	0.050	0.050	0.187	0.050	0.053	0.015
Ethane	129	0	0.779	1.348	1.947	2.913	4.242	8.510	0.727	2.321	1.421
Ethylbenzene	129	62	0.050	0.050	0.054	0.146	0.268	1.495	0.050	0.143	0.217
Ethylene	129	0	0.135	0.184	0.291	0.563	1.069	3.552	0.107	0.486	0.508

Table 49: VOC Annual Statistics at Egbert (2002)

Unit: micrograms per cubic metre (µg/m^3)

Compounds	# of Samples	No. < DL	PERCENTILES 5%	25%	50%	75%	90%	Max	Min	Mean	Std.Dev.
Formaldehyde	44	0	0.492	0.796	1.362	2.175	3.168	3.790	0.363	1.546	0.940
Freon11	129	0	1.436	1.473	1.537	1.674	1.730	1.891	1.391	1.569	0.115
Freon113	129	0	0.464	0.503	0.554	0.578	0.606	0.759	0.440	0.547	0.061
Freon114	129	0	0.089	0.094	0.101	0.105	0.108	0.140	0.088	0.100	0.008
Freon12	129	0	2.221	2.332	2.431	2.515	2.619	3.097	2.152	2.444	0.176
Freon22	129	0	0.425	0.451	0.477	0.512	0.582	3.599	0.410	0.513	0.280
Heptane	129	75	0.050	0.050	0.050	0.087	0.134	0.531	0.050	0.079	0.066
Hexane	129	43	0.050	0.050	0.079	0.176	0.341	1.373	0.050	0.153	0.180
Indane	129	126	0.050	0.050	0.050	0.050	0.050	0.083	0.050	0.051	0.004
Isobutane	129	15	0.050	0.106	0.243	0.490	0.899	3.499	0.050	0.404	0.489
iso-Butylbenzene	129	129									
Isopentane	129	3	0.075	0.152	0.322	0.734	1.345	3.351	0.050	0.529	0.549
Isoprene	129	74	0.050	0.050	0.050	0.186	0.578	4.904	0.050	0.247	0.543
iso-Propylbenzene	129	126	0.050	0.050	0.050	0.050	0.050	0.067	0.050	0.050	0.002
m and p-Xylene	129	44	0.050	0.050	0.080	0.284	0.607	4.491	0.050	0.305	0.646
MEK	44	0	0.171	0.309	0.442	0.742	1.231	4.147	0.098	0.663	0.764
Methylcyclohexane	129	99	0.050	0.050	0.050	0.050	0.077	0.291	0.050	0.061	0.037
Methylcyclopentane	129	80	0.050	0.050	0.050	0.076	0.143	0.532	0.050	0.078	0.066
Naphthalene	129	104	0.050	0.050	0.050	0.050	0.072	0.449	0.050	0.061	0.047
n-Butylbenzene	129	128	0.050	0.050	0.050	0.050	0.050	0.052	0.050	0.050	0.000
Nonane	129	109	0.050	0.050	0.050	0.050	0.063	0.290	0.050	0.059	0.035
n-Propylbenzene	129	118	0.050	0.050	0.050	0.050	0.050	0.202	0.050	0.054	0.021
Octane	129	101	0.050	0.050	0.050	0.050	0.078	0.358	0.050	0.064	0.046
o-Xylene	129	74	0.050	0.050	0.050	0.109	0.206	1.320	0.050	0.118	0.188
p-Cymene	129	128	0.050	0.050	0.050	0.050	0.050	0.052	0.050	0.050	0.000
Pentane	129	6	0.050	0.102	0.208	0.427	0.751	2.293	0.050	0.330	0.341
Propane	129	0	0.260	0.586	1.145	2.064	3.525	7.533	0.183	1.579	1.390
Propionaldehyde	44	0	0.068	0.139	0.204	0.244	0.321	0.751	0.056	0.208	0.123
Propylene	129	6	0.051	0.070	0.088	0.187	0.342	1.326	0.050	0.158	0.162
sec-Butylbenzene	129	129									
Styrene	129	121	0.050	0.050	0.050	0.050	0.050	0.437	0.050	0.059	0.049
Tetrachloroethylene	129	69	0.050	0.050	0.050	0.087	0.158	0.617	0.050	0.090	0.095
Toluene	129	2	0.066	0.151	0.271	0.610	1.491	7.562	0.050	0.650	1.114
trans-1,2-Dimethylcyclohexane	129	124	0.050	0.050	0.050	0.050	0.050	0.083	0.050	0.051	0.004
trans-1,4-Dimethylcyclohexane	129	129									
trans-2-Butene	129	125	0.050	0.050	0.050	0.050	0.050	0.139	0.050	0.051	0.009
trans-2-Hexene	129	129									

Table 49: VOC Annual Statistics at Egbert (2002)

Unit: micrograms per cubic metre (µg/m^3)

Compounds	# of Samples	No. < DL	PERCENTILES 5%	25%	50%	75%	90%	Max	Min	Mean	Std.Dev.
trans-2-Pentene	129	127	0.050	0.050	0.050	0.050	0.050	0.066	0.050	0.050	0.002
trans-3-Methyl-2-pentene	129	129									
Trichloroethylene	129	102	0.050	0.050	0.050	0.050	0.129	0.917	0.050	0.078	0.107
Undecane	129	103	0.050	0.050	0.050	0.050	0.074	0.417	0.050	0.062	0.045
Vinylchloride	129	129									

Table 50: VOC Annual Statistics at Hamilton (2002)

Unit: micrograms per cubic metre (µg/m^3)

Compounds	# of Samples	No. < DL	PERCENTILES 5%	25%	50%	75%	90%	Max	Min	Mean	Std.Dev.
1,1,1-Trichloroethane	46	0	0.187	0.206	0.221	0.239	0.250	0.302	0.185	0.223	0.026
1,1,2,2-Tetrachloroethane	46	29	0.050	0.050	0.050	0.058	0.060	0.070	0.050	0.054	0.006
1,1,2-Trichloroethane	46	39	0.050	0.050	0.050	0.050	0.050	0.060	0.050	0.050	0.001
1,1-Dichloroethane	46	43	0.050	0.050	0.050	0.050	0.050	0.051	0.050	0.050	0.000
1,1-Dichloroethylene	46	26	0.050	0.050	0.050	0.070	0.079	0.105	0.050	0.060	0.015
1,2,3-Trimethylbenzene	46	6	0.050	0.063	0.090	0.133	0.290	0.380	0.050	0.124	0.094
1,2,4-Trichlorobenzene	46	5	0.050	0.072	0.111	0.146	0.210	0.280	0.050	0.120	0.058
1,2,4-Trimethylbenzene	46	0	0.123	0.204	0.320	0.560	1.270	1.614	0.092	0.462	0.407
1,2-Dichlorobenzene	46	37	0.050	0.050	0.050	0.050	0.060	0.070	0.050	0.052	0.004
1,2-Dichloroethane	46	6	0.050	0.055	0.067	0.080	0.083	0.107	0.050	0.068	0.014
1,2-Dichloropropane	46	44	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.000
1,2-Diethylbenzene	46	46									
1,3,5-Trimethylbenzene	46	4	0.050	0.075	0.108	0.154	0.400	0.512	0.050	0.153	0.124
1,3-Butadiene	46	1	0.068	0.088	0.120	0.154	0.231	0.440	0.050	0.136	0.072
1,3-Dichlorobenzene	46	37	0.050	0.050	0.050	0.050	0.060	0.060	0.050	0.051	0.003
1,3-Diethylbenzene	46	32	0.050	0.050	0.050	0.060	0.087	0.130	0.050	0.059	0.018
1,4-Dichlorobenzene	46	1	0.058	0.081	0.116	0.161	0.306	0.477	0.050	0.144	0.095
1,4-Dichlorobutane	46	45	0.050	0.050	0.050	0.050	0.050	0.064	0.050	0.050	0.002
1,4-Diethylbenzene	46	11	0.050	0.051	0.078	0.130	0.223	0.304	0.050	0.100	0.066
1-Butene/Isobutene	46	0	0.262	0.355	0.459	0.608	0.912	2.221	0.247	0.556	0.358
1-Butyne	46	46									
1-Decene	46	45	0.050	0.050	0.050	0.050	0.050	0.735	0.050	0.065	0.101
1-Heptene	46	42	0.050	0.050	0.050	0.050	0.050	0.767	0.050	0.066	0.106
1-Hexene	38	3	0.050	0.110	0.132	0.170	0.222	0.670	0.050	0.148	0.101
1-Methylcyclohexene	46	37	0.050	0.050	0.050	0.050	0.050	0.092	0.050	0.052	0.007
1-Methylcyclopentene	46	30	0.050	0.050	0.050	0.060	0.089	0.187	0.050	0.060	0.025
1-Nonene	46	45	0.050	0.050	0.050	0.050	0.050	0.849	0.050	0.067	0.118
1-Octene	46	45	0.050	0.050	0.050	0.050	0.050	0.760	0.050	0.065	0.105
1-Pentene	46	0	0.092	0.117	0.141	0.194	0.286	1.102	0.068	0.181	0.155
1-Propyne	46	9	0.050	0.058	0.073	0.100	0.128	0.234	0.050	0.083	0.036
1-Undecene	46	45	0.050	0.050	0.050	0.050	0.050	0.869	0.050	0.068	0.121
2,2,3-Trimethylbutane	46	45	0.050	0.050	0.050	0.050	0.050	0.160	0.050	0.052	0.016
2,2,4-Trimethylpentane	46	0	0.126	0.211	0.270	0.393	0.789	1.277	0.107	0.363	0.257
2,2,5-Trimethylhexane	46	40	0.050	0.050	0.050	0.050	0.050	0.079	0.050	0.051	0.004
2,2-Dimethylbutane	46	0	0.090	0.130	0.180	0.212	0.295	0.543	0.062	0.192	0.087
2,2-Dimethylhexane	46	45	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.000
2,2-Dimethylpentane	46	30	0.050	0.050	0.050	0.060	0.093	0.148	0.050	0.062	0.024

Table 50: VOC Annual Statistics at Hamilton (2002)

Unit: micrograms per cubic metre (µg/m^3)

Compounds	# of Samples	No. < DL	PERCENTILES 5%	25%	50%	75%	90%	Max	Min	Mean	Std.Dev.
2,2-Dimethylpropane	46	22	0.050	0.050	0.050	0.064	0.080	0.105	0.050	0.059	0.013
2,3,4-Trimethylpentane	46	5	0.050	0.074	0.091	0.141	0.267	0.449	0.050	0.128	0.086
2,3-Dimethylbutane	46	0	0.098	0.163	0.280	0.408	0.810	0.995	0.080	0.351	0.251
2,3-Dimethylpentane	46	0	0.079	0.130	0.161	0.234	0.444	0.586	0.068	0.206	0.124
2,4-Dimethylhexane	46	21	0.050	0.050	0.059	0.075	0.140	0.248	0.050	0.076	0.043
2,4-Dimethylpentane	46	4	0.050	0.071	0.089	0.151	0.268	0.344	0.050	0.123	0.080
2,5-Dimethylhexane	46	25	0.050	0.050	0.050	0.060	0.110	0.188	0.050	0.065	0.029
2-Ethyl-1-butene	46	16	0.050	0.050	0.071	0.101	0.146	0.322	0.050	0.088	0.056
2-Ethyltoluene	46	4	0.050	0.070	0.100	0.144	0.300	0.394	0.050	0.131	0.095
2-methyl-1-butene	46	0	0.113	0.162	0.228	0.358	0.608	0.896	0.103	0.297	0.186
2-Methyl-2-butene	46	0	0.070	0.108	0.154	0.258	0.423	0.686	0.054	0.206	0.141
2-Methylheptane	46	3	0.050	0.074	0.100	0.156	0.277	0.467	0.050	0.135	0.092
2-Methylhexane	46	0	0.150	0.215	0.313	0.480	0.833	1.193	0.108	0.399	0.262
2-Methylpentane	45	0	0.630	0.905	1.394	2.480	4.615	5.827	0.521	1.919	1.443
3,6-Dimethyloctane	46	41	0.050	0.050	0.050	0.050	0.052	0.056	0.050	0.050	0.001
3-Ethyltoluene	46	0	0.092	0.155	0.210	0.333	0.810	1.054	0.079	0.304	0.253
3-Methyl-1-Butene	46	25	0.050	0.050	0.050	0.078	0.122	0.152	0.050	0.068	0.031
3-Methyl-1-pentene	46	43	0.050	0.050	0.050	0.050	0.050	0.073	0.050	0.051	0.004
3-Methylheptane	46	5	0.050	0.073	0.095	0.141	0.280	0.468	0.050	0.131	0.093
3-Methylhexane	46	0	0.149	0.230	0.316	0.540	0.840	1.270	0.110	0.419	0.286
3-Methylpentane	35	0	0.396	0.543	0.872	2.380	3.974	5.833	0.370	1.593	1.516
4-Ethyltoluene	46	2	0.053	0.079	0.130	0.196	0.400	0.533	0.050	0.167	0.128
4-Methyl-1-pentene	46	45	0.050	0.050	0.050	0.050	0.050	0.207	0.050	0.053	0.023
4-Methylheptane	46	30	0.050	0.050	0.050	0.060	0.109	0.179	0.050	0.064	0.029
Acetylene	46	0	0.392	0.697	1.058	1.404	2.064	4.020	0.305	1.186	0.717
Benzene	46	0	0.434	0.684	0.948	1.970	3.150	4.311	0.334	1.352	0.987
Benzylchloride	46	38	0.050	0.050	0.050	0.050	0.050	0.060	0.050	0.051	0.002
Bromodichloromethane	46	12	0.050	0.050	0.069	0.080	0.096	0.120	0.050	0.069	0.020
Bromoform	46	25	0.050	0.050	0.050	0.060	0.070	0.080	0.050	0.056	0.009
Bromomethane	46	0	0.088	0.112	0.130	0.149	0.174	0.214	0.081	0.132	0.033
Bromotrichloromethane	4	4									
Butane	46	0	0.902	2.169	3.793	5.961	9.192	17.640	0.765	4.729	3.673
Carbontetrachloride	46	0	0.556	0.618	0.647	0.700	0.793	0.846	0.516	0.666	0.075
Chlorobenzene	46	46									
Chloroethane	46	9	0.050	0.051	0.065	0.073	0.083	0.332	0.050	0.071	0.042
Chloroform	43	4	0.050	0.069	0.093	0.114	0.145	0.185	0.050	0.096	0.035
Chloromethane	46	0	1.080	1.131	1.185	1.281	1.396	1.523	1.020	1.214	0.114

Table 50: VOC Annual Statistics at Hamilton (2002)

Unit: micrograms per cubic metre (µg/m^3)

Compounds	# of Samples	No. < DL	PERCENTILES 5%	25%	50%	75%	90%	Max	Min	Mean	Std.Dev.
cis-1,2-Dichloroethylene	34	31	0.050	0.050	0.050	0.050	0.050	0.059	0.050	0.051	0.002
cis-1,2-Dimethylcyclohexane	46	43	0.050	0.050	0.050	0.050	0.050	0.070	0.050	0.051	0.004
cis-1,3-Dichloropropene	46	37	0.050	0.050	0.050	0.050	0.086	0.293	0.050	0.060	0.037
cis-1,3-Dimethylcyclohexane	46	30	0.050	0.050	0.050	0.096	0.147	0.252	0.050	0.075	0.046
cis-1,4/t-1,3-Dimethylcyclohexane	46	39	0.050	0.050	0.050	0.050	0.061	0.098	0.050	0.053	0.009
cis-2-Butene	46	0	0.066	0.098	0.136	0.214	0.350	0.636	0.052	0.170	0.115
cis-2-Heptene	46	46									
cis-2-Hexene	46	41	0.050	0.050	0.050	0.050	0.050	0.081	0.050	0.051	0.005
cis-2-Pentene	46	5	0.050	0.060	0.086	0.140	0.218	0.320	0.050	0.111	0.068
cis-3-Heptene	45	29	0.050	0.050	0.050	0.060	0.126	0.271	0.050	0.068	0.044
cis-3-Methyl-2-pentene	46	42	0.050	0.050	0.050	0.050	0.050	0.094	0.050	0.051	0.007
cis-4-Methyl-2-pentene	46	38	0.050	0.050	0.050	0.050	0.059	0.090	0.050	0.053	0.008
Cyclohexane	46	1	0.064	0.101	0.132	0.239	0.353	0.463	0.050	0.175	0.110
Cyclohexene	46	40	0.050	0.050	0.050	0.050	0.050	0.238	0.050	0.054	0.028
Cyclopentane	46	0	0.080	0.133	0.230	0.290	0.588	0.711	0.070	0.261	0.170
Cyclopentene	46	19	0.050	0.050	0.052	0.074	0.096	0.165	0.050	0.066	0.025
Decane	46	2	0.051	0.090	0.146	0.295	0.776	0.899	0.050	0.250	0.254
Dibromochloromethane	46	29	0.050	0.050	0.050	0.055	0.070	0.080	0.050	0.054	0.008
Dibromomethane	46	5	0.050	0.064	0.076	0.100	0.108	0.113	0.050	0.080	0.021
Dichloromethane	46	0	0.246	0.300	0.393	0.690	0.912	0.979	0.220	0.482	0.247
Dodecane	46	2	0.060	0.105	0.220	0.286	0.388	0.710	0.050	0.222	0.134
EDB	46	37	0.050	0.050	0.050	0.050	0.060	0.070	0.050	0.052	0.005
Ethane	46	0	1.315	2.174	3.137	4.113	6.076	10.299	0.988	3.341	1.816
Ethylbenzene	46	0	0.199	0.310	0.455	0.780	1.425	2.188	0.137	0.619	0.467
Ethylbromide	46	46									
Ethylene	46	0	0.886	1.323	1.989	2.882	3.826	12.439	0.692	2.368	1.914
Freon11	46	0	1.590	1.870	2.050	2.336	2.551	3.127	1.450	2.114	0.375
Freon113	46	0	0.588	0.700	0.762	0.850	0.920	1.071	0.570	0.774	0.115
Freon114	46	0	0.169	0.187	0.207	0.240	0.290	0.361	0.155	0.222	0.051
Freon12	46	0	2.468	2.860	3.215	3.380	3.793	91.828	2.210	5.083	13.081
Freon22	46	0	0.620	0.711	0.846	1.027	1.303	2.830	0.580	0.959	0.420
Heptane	46	0	0.110	0.171	0.240	0.363	0.690	1.074	0.095	0.323	0.239
Hexachlorobutadiene	46	46									
Hexane	25	0	0.431	0.670	1.101	2.632	9.610	13.978	0.430	2.935	3.751
Hexylbenzene	46	2	0.054	0.079	0.165	0.235	0.360	0.460	0.050	0.181	0.113
Indane	46	22	0.050	0.050	0.053	0.080	0.145	0.205	0.050	0.073	0.039
Isobutane	46	0	0.433	0.873	1.291	2.440	4.040	5.634	0.396	1.778	1.280

Table 50: VOC Annual Statistics at Hamilton (2002)

Unit: micrograms per cubic metre (µg/m^3)

Compounds	# of Samples	No. < DL	PERCENTILES 5%	25%	50%	75%	90%	Max	Min	Mean	Std.Dev.
iso-Butylbenzene	46	46									
Isopentane	46	0	1.500	1.829	3.054	4.350	8.602	11.186	0.919	3.956	2.769
Isoprene	46	1	0.053	0.070	0.121	0.260	0.501	0.748	0.050	0.196	0.174
iso-Propylbenzene	46	31	0.050	0.050	0.050	0.050	0.083	0.104	0.050	0.057	0.015
m and p-Xylene	46	0	0.421	0.757	1.273	2.476	4.843	7.285	0.344	1.862	1.636
Methylcyclohexane	46	3	0.050	0.070	0.103	0.174	0.327	0.541	0.050	0.147	0.116
Methylcyclopentane	46	0	0.157	0.258	0.393	1.067	2.830	3.959	0.123	0.861	1.031
Naphthalene	41	0	0.311	0.513	0.662	1.022	1.260	1.858	0.195	0.779	0.388
n-Butylbenzene	46	35	0.050	0.050	0.050	0.050	0.078	0.101	0.050	0.055	0.012
Nonane	46	2	0.053	0.083	0.120	0.221	0.485	1.029	0.050	0.197	0.196
n-Propylbenzene	46	4	0.050	0.068	0.095	0.137	0.250	0.332	0.050	0.120	0.075
Octane	46	3	0.050	0.075	0.105	0.164	0.330	0.924	0.050	0.160	0.158
o-Xylene	46	0	0.147	0.240	0.360	0.582	1.330	2.008	0.123	0.518	0.440
p-Cymene	46	27	0.050	0.050	0.050	0.060	0.105	0.993	0.050	0.083	0.140
Pentane	46	0	0.849	1.067	1.716	2.260	4.342	5.359	0.531	2.070	1.309
Propane	46	0	1.190	1.793	2.814	3.669	4.806	7.231	0.461	2.946	1.545
Propylene	46	0	0.378	0.477	0.682	0.971	1.362	5.541	0.224	0.894	0.848
sec-Butylbenzene	46	43	0.050	0.050	0.050	0.050	0.050	0.052	0.050	0.050	0.000
Styrene	46	4	0.050	0.070	0.100	0.183	0.290	0.508	0.050	0.142	0.105
tert-Butylbenzene	46	46									
Tetrachloroethylene	46	0	0.104	0.168	0.320	1.088	2.887	7.217	0.098	0.954	1.407
Toluene	46	0	0.782	1.365	2.160	5.484	9.935	88.595	0.756	5.703	13.021
trans-1,2-Dichloroethylene	46	43	0.050	0.050	0.050	0.050	0.050	0.052	0.050	0.050	0.000
trans-1,2-Dimethylcyclohexane	46	46									
trans-1,3-Dichloropropene	46	41	0.050	0.050	0.050	0.050	0.058	0.165	0.050	0.053	0.017
trans-1,4-Dimethylcyclohexane	46	39	0.050	0.050	0.050	0.050	0.064	0.108	0.050	0.054	0.011
trans-2-Butene	46	0	0.069	0.096	0.139	0.223	0.353	0.742	0.052	0.180	0.130
trans-2-Heptene	46	46									
trans-2-Hexene	46	35	0.050	0.050	0.050	0.050	0.070	0.136	0.050	0.056	0.016
trans-2-Octene	45	32	0.050	0.050	0.050	0.060	0.102	0.170	0.050	0.062	0.027
trans-2-Pentene	46	2	0.051	0.087	0.128	0.210	0.360	0.529	0.050	0.170	0.118
trans-3-Heptene	46	46									
trans-3-Methyl-2-pentene	46	41	0.050	0.050	0.050	0.050	0.050	0.089	0.050	0.051	0.006
trans-4-Methyl-2-pentene	46	46									
Trichloroethylene	46	8	0.050	0.065	0.090	0.120	0.269	0.441	0.050	0.125	0.097
Undecane	46	2	0.054	0.090	0.124	0.220	0.527	0.709	0.050	0.203	0.185
Vinylchloride	46	46									

Table 51: VOC Annual Statistics at Ottawa (2002)

Unit: micrograms per cubic metre (µg/m^3)

Compounds	# of Samples	No. < DL	PERCENTILES 5%	25%	50%	75%	90%	Max	Min	Mean	Std.Dev.
1,1,1-Trichloroethane	33	0	0.200	0.210	0.220	0.240	0.240	0.270	0.190	0.224	0.018
1,1,2,2-Tetrachloroethane	33	26	0.050	0.050	0.050	0.050	0.060	0.060	0.050	0.051	0.003
1,1,2-Trichloroethane	33	29	0.050	0.050	0.050	0.050	0.050	0.060	0.050	0.050	0.002
1,1-Dichloroethane	33	32	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.000
1,1-Dichloroethylene	33	21	0.050	0.050	0.050	0.050	0.056	0.080	0.050	0.052	0.006
1,2,3-Trimethylbenzene	33	3	0.050	0.058	0.100	0.136	0.201	0.270	0.050	0.110	0.059
1,2,4-Trichlorobenzene	33	3	0.050	0.073	0.080	0.100	0.210	0.290	0.050	0.102	0.056
1,2,4-Trimethylbenzene	33	0	0.151	0.217	0.360	0.539	0.760	1.130	0.116	0.417	0.250
1,2-Dichlorobenzene	33	26	0.050	0.050	0.050	0.050	0.060	0.070	0.050	0.052	0.004
1,2-Dichloroethane	33	3	0.050	0.058	0.060	0.070	0.070	0.080	0.050	0.062	0.008
1,2-Dichloropropane	33	33									
1,2-Diethylbenzene	33	33									
1,3,5-Trimethylbenzene	33	1	0.050	0.076	0.113	0.170	0.244	0.340	0.050	0.134	0.074
1,3-Butadiene	33	3	0.050	0.090	0.110	0.177	0.210	0.320	0.050	0.128	0.065
1,3-Dichlorobenzene	33	29	0.050	0.050	0.050	0.050	0.050	0.060	0.050	0.050	0.002
1,3-Diethylbenzene	33	23	0.050	0.050	0.050	0.050	0.060	0.080	0.050	0.053	0.008
1,4-Dichlorobenzene	33	2	0.050	0.084	0.123	0.170	0.195	0.224	0.050	0.123	0.052
1,4-Dichlorobutane	33	33									
1,4-Diethylbenzene	33	6	0.050	0.060	0.074	0.113	0.140	0.200	0.050	0.090	0.041
1-Butene/Isobutene	33	0	0.196	0.362	0.440	0.780	1.070	1.635	0.180	0.586	0.371
1-Butyne	33	33									
1-Decene	33	33									
1-Heptene	33	30	0.050	0.050	0.050	0.050	0.050	0.060	0.050	0.051	0.002
1-Hexene	33	5	0.050	0.054	0.090	0.140	0.176	0.256	0.050	0.103	0.054
1-Methylcyclohexene	33	29	0.050	0.050	0.050	0.050	0.050	0.060	0.050	0.050	0.002
1-Methylcyclopentene	33	18	0.050	0.050	0.050	0.060	0.083	0.093	0.050	0.058	0.014
1-Nonene	33	32	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.000
1-Octene	33	33									
1-Pentene	33	0	0.055	0.090	0.120	0.179	0.250	0.369	0.050	0.145	0.075
1-Propyne	33	9	0.050	0.050	0.070	0.110	0.130	0.200	0.050	0.086	0.040
1-Undecene	33	33									
2,2,3-Trimethylbutane	33	33									
2,2,4-Trimethylpentane	33	0	0.061	0.120	0.230	0.350	0.470	12.511	0.053	0.617	2.140
2,2,5-Trimethylhexane	33	32	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.000
2,2-Dimethylbutane	33	0	0.068	0.145	0.170	0.285	0.322	0.508	0.067	0.203	0.102
2,2-Dimethylhexane	33	33									
2,2-Dimethylpentane	33	24	0.050	0.050	0.050	0.050	0.061	0.080	0.050	0.053	0.007

Table 51: VOC Annual Statistics at Ottawa (2002)

Unit: micrograms per cubic metre (µg/m^3)

Compounds	# of Samples	No. < DL	PERCENTILES 5%	25%	50%	75%	90%	Max	Min	Mean	Std.Dev.
2,2-Dimethylpropane	33	27	0.050	0.050	0.050	0.050	0.050	0.061	0.050	0.051	0.002
2,3,4-Trimethylpentane	33	7	0.050	0.050	0.090	0.130	0.176	0.965	0.050	0.124	0.159
2,3-Dimethylbutane	33	1	0.060	0.140	0.170	0.280	0.378	0.648	0.050	0.210	0.131
2,3-Dimethylpentane	33	3	0.050	0.079	0.130	0.202	0.270	0.583	0.050	0.153	0.109
2,4-Dimethylhexane	33	12	0.050	0.050	0.060	0.090	0.120	0.513	0.050	0.086	0.082
2,4-Dimethylpentane	33	9	0.050	0.050	0.080	0.120	0.177	0.338	0.050	0.101	0.063
2,5-Dimethylhexane	33	16	0.050	0.050	0.050	0.070	0.090	0.588	0.050	0.078	0.094
2-Ethyl-1-butene	33	10	0.050	0.050	0.070	0.110	0.150	0.210	0.050	0.085	0.042
2-Ethyltoluene	33	3	0.050	0.070	0.100	0.141	0.204	0.280	0.050	0.116	0.060
2-methyl-1-butene	33	0	0.084	0.150	0.218	0.355	0.530	0.691	0.075	0.271	0.164
2-Methyl-2-butene	33	1	0.052	0.100	0.150	0.231	0.361	0.614	0.050	0.190	0.133
2-Methylheptane	33	5	0.050	0.070	0.110	0.167	0.198	0.300	0.050	0.120	0.065
2-Methylhexane	33	0	0.084	0.180	0.275	0.430	0.590	0.870	0.060	0.321	0.192
2-Methylpentane	22	0	0.448	0.670	1.038	1.386	1.709	2.609	0.233	1.086	0.549
3,6-Dimethyloctane	33	33									
3-Ethyltoluene	33	0	0.095	0.150	0.222	0.340	0.481	0.710	0.074	0.268	0.159
3-Methyl-1-Butene	33	18	0.050	0.050	0.050	0.070	0.101	0.157	0.050	0.065	0.027
3-Methyl-1-pentene	33	32	0.050	0.050	0.050	0.050	0.050	0.055	0.050	0.050	0.001
3-Methylheptane	33	5	0.050	0.070	0.108	0.180	0.210	0.330	0.050	0.126	0.073
3-Methylhexane	33	0	0.086	0.190	0.298	0.460	0.617	0.910	0.065	0.339	0.203
3-Methylpentane	25	0	0.210	0.430	0.620	0.825	1.190	1.793	0.062	0.687	0.397
4-Ethyltoluene	33	1	0.059	0.091	0.137	0.190	0.273	0.390	0.050	0.155	0.084
4-Methyl-1-pentene	33	33									
4-Methylheptane	33	20	0.050	0.050	0.050	0.065	0.086	0.130	0.050	0.061	0.019
Acetylene	33	0	0.378	0.627	1.074	1.518	2.175	2.942	0.299	1.187	0.723
Benzene	33	0	0.347	0.590	0.880	1.189	1.370	2.320	0.258	0.935	0.497
Benzylchloride	33	29	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.000
Bromodichloromethane	33	10	0.050	0.050	0.060	0.077	0.080	0.100	0.050	0.063	0.014
Bromoform	33	22	0.050	0.050	0.050	0.050	0.060	0.080	0.050	0.053	0.006
Bromomethane	33	0	0.050	0.100	0.117	0.125	0.148	0.155	0.050	0.110	0.028
Bromotrichloromethane	7	7									
Butane	33	0	0.598	1.178	2.394	4.820	6.863	8.860	0.390	3.028	2.359
Carbontetrachloride	33	0	0.555	0.601	0.620	0.649	0.680	0.770	0.553	0.627	0.045
Chlorobenzene	33	33									
Chloroethane	33	8	0.050	0.050	0.060	0.070	0.073	0.127	0.050	0.063	0.016
Chloroform	33	2	0.050	0.093	0.110	0.120	0.140	0.270	0.050	0.111	0.040
Chloromethane	33	0	1.060	1.090	1.150	1.187	1.340	1.761	1.050	1.185	0.147

Table 51: VOC Annual Statistics at Ottawa (2002)

Unit: micrograms per cubic metre (µg/m^3)

Compounds	# of Samples	No. < DL	PERCENTILES 5%	25%	50%	75%	90%	Max	Min	Mean	Std.Dev.
cis-1,2-Dichloroethylene	33	33									
cis-1,2-Dimethylcyclohexane	33	33									
cis-1,3-Dichloropropene	33	33									
cis-1,3-Dimethylcyclohexane	33	22	0.050	0.050	0.050	0.060	0.080	0.130	0.050	0.058	0.018
cis-1,4/t-1,3-Dimethylcyclohexane	33	32	0.050	0.050	0.050	0.050	0.050	0.053	0.050	0.050	0.001
cis-2-Butene	33	0	0.056	0.120	0.153	0.250	0.506	0.800	0.053	0.215	0.170
cis-2-Heptene	33	33									
cis-2-Hexene	33	29	0.050	0.050	0.050	0.050	0.050	0.063	0.050	0.051	0.003
cis-2-Pentene	33	6	0.050	0.050	0.091	0.130	0.197	0.321	0.050	0.109	0.067
cis-3-Heptene	32	16	0.050	0.050	0.056	0.100	0.128	0.210	0.050	0.075	0.040
cis-3-Methyl-2-pentene	33	30	0.050	0.050	0.050	0.050	0.050	0.061	0.050	0.051	0.003
cis-4-Methyl-2-pentene	30	24	0.050	0.050	0.050	0.050	0.063	0.088	0.050	0.053	0.008
Cyclohexane	33	3	0.050	0.068	0.120	0.210	0.257	0.390	0.050	0.137	0.086
Cyclohexene	33	33									
Cyclopentane	33	2	0.050	0.106	0.153	0.238	0.293	0.451	0.050	0.169	0.095
Cyclopentene	33	16	0.050	0.050	0.050	0.066	0.095	0.129	0.050	0.062	0.020
Decane	33	1	0.070	0.090	0.140	0.288	0.359	0.532	0.050	0.196	0.127
Dibromochloromethane	33	25	0.050	0.050	0.050	0.050	0.060	0.070	0.050	0.052	0.004
Dibromomethane	33	4	0.050	0.060	0.071	0.081	0.090	0.110	0.050	0.072	0.016
Dichloromethane	33	0	0.242	0.290	0.370	0.471	0.640	2.817	0.183	0.462	0.443
Dodecane	33	4	0.050	0.068	0.110	0.146	0.212	0.325	0.050	0.120	0.068
EDB	33	26	0.050	0.050	0.050	0.050	0.060	0.060	0.050	0.051	0.003
Ethane	33	0	1.111	1.678	2.538	3.127	3.558	4.273	1.038	2.444	0.898
Ethylbenzene	33	0	0.095	0.212	0.340	0.550	0.811	1.040	0.092	0.404	0.246
Ethylbromide	33	33									
Ethylene	33	0	0.498	1.020	1.633	2.139	3.204	4.802	0.383	1.774	1.084
Freon11	33	0	1.540	1.630	1.700	1.845	2.050	2.117	1.470	1.754	0.176
Freon113	33	0	0.600	0.650	0.680	0.730	0.795	0.845	0.580	0.695	0.066
Freon114	33	0	0.110	0.171	0.190	0.204	0.219	0.250	0.100	0.182	0.036
Freon12	33	0	2.420	2.580	2.710	2.923	3.208	3.250	2.380	2.762	0.262
Freon22	33	0	0.520	0.617	0.670	0.810	0.906	1.267	0.499	0.723	0.176
Heptane	33	0	0.072	0.160	0.216	0.326	0.424	0.600	0.068	0.248	0.134
Hexachlorobutadiene	33	33									
Hexane	27	1	0.167	0.233	0.470	0.730	1.030	1.320	0.050	0.529	0.320
Hexylbenzene	33	4	0.050	0.058	0.082	0.170	0.350	0.480	0.050	0.135	0.111
Indane	33	14	0.050	0.050	0.060	0.073	0.109	0.160	0.050	0.070	0.028
Isobutane	33	0	0.421	0.796	1.570	2.950	4.530	5.680	0.325	1.937	1.566

Table 51: VOC Annual Statistics at Ottawa (2002)

Unit: micrograms per cubic metre (µg/m^3)

Compounds	# of Samples	No. < DL	PERCENTILES 5%	25%	50%	75%	90%	Max	Min	Mean	Std.Dev.
iso-Butylbenzene	33	33									
Isopentane	33	0	0.555	1.560	2.280	3.750	5.440	7.934	0.503	2.803	1.864
Isoprene	33	2	0.050	0.066	0.090	0.180	1.305	4.762	0.050	0.398	0.910
iso-Propylbenzene	33	22	0.050	0.050	0.050	0.050	0.060	0.080	0.050	0.053	0.008
m and p-Xylene	33	0	0.269	0.580	0.933	1.340	2.220	2.850	0.238	1.109	0.712
Methylcyclohexane	33	5	0.050	0.070	0.109	0.170	0.206	0.300	0.050	0.124	0.070
Methylcyclopentane	33	0	0.078	0.180	0.287	0.470	0.640	0.880	0.063	0.339	0.208
Naphthalene	32	0	0.186	0.334	0.559	1.170	1.380	1.610	0.154	0.749	0.475
n-Butylbenzene	33	28	0.050	0.050	0.050	0.050	0.050	0.070	0.050	0.051	0.005
Nonane	33	3	0.050	0.070	0.110	0.171	0.230	0.260	0.050	0.126	0.067
n-Propylbenzene	33	5	0.050	0.060	0.090	0.130	0.158	0.240	0.050	0.101	0.049
Octane	33	5	0.050	0.077	0.100	0.147	0.185	0.280	0.050	0.116	0.060
o-Xylene	33	0	0.099	0.210	0.311	0.510	0.788	1.020	0.093	0.390	0.239
p-Cymene	33	12	0.050	0.050	0.050	0.080	0.106	0.370	0.050	0.074	0.057
Pentane	33	0	0.245	0.672	0.960	1.664	2.480	2.912	0.232	1.217	0.742
Propane	33	0	0.825	1.127	2.058	2.359	3.460	4.180	0.817	2.046	0.994
Propylene	33	0	0.190	0.400	0.509	0.774	1.039	1.650	0.146	0.606	0.337
sec-Butylbenzene	33	33									
Styrene	33	10	0.050	0.050	0.066	0.100	0.113	0.170	0.050	0.077	0.033
tert-Butylbenzene	33	33									
Tetrachloroethylene	33	0	0.074	0.150	0.280	0.620	1.003	1.780	0.065	0.432	0.398
Toluene	33	0	0.698	1.230	2.154	3.760	5.720	8.121	0.375	2.752	1.973
trans-1,2-Dichloroethylene	33	33									
trans-1,2-Dimethylcyclohexane	33	33									
trans-1,3-Dichloropropene	33	33									
trans-1,4-Dimethylcyclohexane	33	32	0.050	0.050	0.050	0.050	0.050	0.057	0.050	0.050	0.001
trans-2-Butene	33	0	0.058	0.130	0.160	0.280	0.505	0.922	0.055	0.236	0.197
trans-2-Heptene	33	33									
trans-2-Hexene	33	22	0.050	0.050	0.050	0.050	0.070	0.090	0.050	0.054	0.010
trans-2-Octene	32	27	0.050	0.050	0.050	0.050	0.057	0.088	0.050	0.052	0.007
trans-2-Pentene	33	4	0.050	0.080	0.138	0.200	0.319	0.528	0.050	0.167	0.116
trans-3-Heptene	33	33									
trans-3-Methyl-2-pentene	33	31	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.000
trans-4-Methyl-2-pentene	33	33									
Trichloroethylene	33	7	0.050	0.054	0.071	0.092	0.130	0.161	0.050	0.080	0.030
Undecane	33	1	0.054	0.073	0.120	0.220	0.290	0.396	0.050	0.154	0.097
Vinylchloride	33	33									

Table 52: VOC Annual Statistics at Sarnia (2002)

Unit: micrograms per cubic metre (µg/m^3)

Compounds	# of Samples	No. < DL	PERCENTILES 5%	25%	50%	75%	90%	Max	Min	Mean	Std.Dev.
1,1,1-Trichloroethane	44	0	0.172	0.196	0.217	0.230	0.250	0.290	0.120	0.214	0.032
1,1,2,2-Tetrachloroethane	44	31	0.050	0.050	0.050	0.053	0.060	0.078	0.050	0.053	0.007
1,1,2-Trichloroethane	44	38	0.050	0.050	0.050	0.050	0.050	0.060	0.050	0.051	0.002
1,1-Dichloroethane	44	42	0.050	0.050	0.050	0.050	0.050	0.060	0.050	0.050	0.002
1,1-Dichloroethylene	44	23	0.050	0.050	0.050	0.064	0.073	0.120	0.050	0.059	0.017
1,2,3-Trimethylbenzene	44	18	0.050	0.050	0.060	0.116	0.190	0.609	0.050	0.101	0.096
1,2,4-Trichlorobenzene	44	7	0.050	0.075	0.100	0.132	0.142	0.250	0.050	0.101	0.040
1,2,4-Trimethylbenzene	44	5	0.050	0.078	0.180	0.450	0.754	2.444	0.050	0.332	0.412
1,2-Dichlorobenzene	44	38	0.050	0.050	0.050	0.050	0.060	0.070	0.050	0.051	0.004
1,2-Dichloroethane	44	10	0.050	0.055	0.063	0.070	0.090	0.130	0.050	0.066	0.016
1,2-Dichloropropane	44	43	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.000
1,2-Diethylbenzene	44	43	0.050	0.050	0.050	0.050	0.050	0.070	0.050	0.050	0.003
1,3,5-Trimethylbenzene	44	18	0.050	0.050	0.060	0.144	0.241	0.709	0.050	0.115	0.116
1,3-Butadiene	44	6	0.050	0.070	0.124	0.308	0.423	1.101	0.050	0.205	0.209
1,3-Dichlorobenzene	44	38	0.050	0.050	0.050	0.050	0.050	0.070	0.050	0.051	0.004
1,3-Diethylbenzene	44	31	0.050	0.050	0.050	0.050	0.061	0.265	0.050	0.059	0.034
1,4-Dichlorobenzene	44	5	0.050	0.066	0.080	0.192	0.253	0.468	0.050	0.129	0.093
1,4-Dichlorobutane	44	41	0.050	0.050	0.050	0.050	0.050	0.054	0.050	0.050	0.001
1,4-Diethylbenzene	44	19	0.050	0.050	0.054	0.110	0.170	0.391	0.050	0.091	0.064
1-Butene/Isobutene	44	0	0.228	0.290	0.540	1.250	2.710	4.237	0.164	1.011	1.108
1-Butyne	44	44									
1-Decene	44	44									
1-Heptene	44	40	0.050	0.050	0.050	0.050	0.050	0.090	0.050	0.052	0.008
1-Hexene	30	0	0.070	0.111	0.148	0.200	0.343	0.520	0.050	0.173	0.102
1-Methylcyclohexene	44	39	0.050	0.050	0.050	0.050	0.050	0.068	0.050	0.050	0.003
1-Methylcyclopentene	44	34	0.050	0.050	0.050	0.050	0.070	0.204	0.050	0.057	0.025
1-Nonene	44	42	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.000
1-Octene	44	41	0.050	0.050	0.050	0.050	0.050	0.069	0.050	0.051	0.003
1-Pentene	44	0	0.070	0.094	0.127	0.217	0.309	0.639	0.050	0.168	0.109
1-Propyne	44	14	0.050	0.050	0.069	0.090	0.110	0.295	0.050	0.079	0.044
1-Undecene	44	43	0.050	0.050	0.050	0.050	0.050	0.060	0.050	0.050	0.001
2,2,3-Trimethylbutane	44	43	0.050	0.050	0.050	0.050	0.050	0.055	0.050	0.050	0.001
2,2,4-Trimethylpentane	44	4	0.050	0.116	0.300	0.684	1.063	4.800	0.050	0.555	0.812
2,2,5-Trimethylhexane	44	38	0.050	0.050	0.050	0.050	0.060	0.090	0.050	0.053	0.008
2,2-Dimethylbutane	44	0	0.070	0.126	0.188	0.336	0.463	0.714	0.050	0.236	0.147
2,2-Dimethylhexane	44	41	0.050	0.050	0.050	0.050	0.050	0.060	0.050	0.050	0.002
2,2-Dimethylpentane	44	28	0.050	0.050	0.050	0.067	0.084	0.180	0.050	0.062	0.025

Table 52: VOC Annual Statistics at Sarnia (2002)

Unit: micrograms per cubic metre (µg/m^3)

Compounds	# of Samples	No. < DL	PERCENTILES 5%	25%	50%	75%	90%	Max	Min	Mean	Std.Dev.
2,2-Dimethylpropane	44	17	0.050	0.050	0.057	0.092	0.113	0.420	0.050	0.077	0.060
2,3,4-Trimethylpentane	44	12	0.050	0.050	0.100	0.180	0.340	0.970	0.050	0.158	0.174
2,3-Dimethylbutane	44	1	0.067	0.130	0.228	0.500	0.846	1.534	0.050	0.361	0.334
2,3-Dimethylpentane	44	5	0.050	0.092	0.170	0.290	0.431	0.779	0.050	0.209	0.162
2,4-Dimethylhexane	44	18	0.050	0.050	0.069	0.110	0.228	0.730	0.050	0.108	0.117
2,4-Dimethylpentane	44	10	0.050	0.058	0.105	0.178	0.291	0.572	0.050	0.142	0.111
2,5-Dimethylhexane	44	21	0.050	0.050	0.050	0.093	0.179	0.530	0.050	0.088	0.083
2-Ethyl-1-butene	44	22	0.050	0.050	0.050	0.096	0.130	0.363	0.050	0.078	0.056
2-Ethyltoluene	44	17	0.050	0.050	0.065	0.130	0.217	0.587	0.050	0.106	0.095
2-methyl-1-butene	44	0	0.099	0.163	0.250	0.553	0.700	1.733	0.080	0.377	0.314
2-Methyl-2-butene	44	5	0.050	0.070	0.111	0.235	0.296	1.217	0.050	0.179	0.198
2-Methylheptane	44	13	0.050	0.050	0.102	0.211	0.316	0.598	0.050	0.151	0.136
2-Methylhexane	44	0	0.069	0.159	0.270	0.542	0.901	1.843	0.054	0.417	0.377
2-Methylpentane	38	0	0.371	0.660	1.183	3.000	4.989	7.610	0.240	2.011	1.921
3,6-Dimethyloctane	44	42	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.000
3-Ethyltoluene	44	7	0.050	0.069	0.140	0.300	0.510	1.652	0.050	0.232	0.273
3-Methyl-1-Butene	44	25	0.050	0.050	0.050	0.080	0.120	0.264	0.050	0.071	0.040
3-Methyl-1-pentene	44	40	0.050	0.050	0.050	0.050	0.050	0.097	0.050	0.051	0.007
3-Methylheptane	44	13	0.050	0.050	0.100	0.219	0.301	0.639	0.050	0.144	0.126
3-Methylhexane	44	1	0.070	0.141	0.260	0.619	0.918	1.894	0.050	0.432	0.403
3-Methylpentane	37	0	0.200	0.414	0.748	2.140	4.823	8.809	0.175	1.576	1.855
4-Ethyltoluene	44	13	0.050	0.050	0.080	0.169	0.282	0.816	0.050	0.137	0.136
4-Methyl-1-pentene	44	42	0.050	0.050	0.050	0.050	0.050	0.079	0.050	0.051	0.005
4-Methylheptane	44	27	0.050	0.050	0.050	0.080	0.129	0.234	0.050	0.071	0.041
Acetylene	44	0	0.248	0.720	1.190	1.398	1.705	2.726	0.163	1.098	0.568
Benzene	44	0	0.304	0.520	0.990	1.542	2.336	3.950	0.168	1.203	0.910
Benzylchloride	44	37	0.050	0.050	0.050	0.050	0.050	0.055	0.050	0.050	0.001
Bromodichloromethane	44	12	0.050	0.050	0.067	0.080	0.090	0.146	0.050	0.069	0.021
Bromoform	44	25	0.050	0.050	0.050	0.058	0.061	0.086	0.050	0.054	0.008
Bromomethane	44	0	0.075	0.101	0.125	0.140	0.165	0.230	0.062	0.127	0.037
Bromotrichloromethane	6	6									
Butane	44	0	0.466	2.034	3.499	7.645	13.985	22.111	0.222	5.558	5.207
Carbontetrachloride	44	0	0.548	0.580	0.620	0.679	0.738	0.884	0.534	0.639	0.080
Chlorobenzene	44	44									
Chloroethane	44	13	0.050	0.050	0.057	0.066	0.076	0.220	0.050	0.063	0.027
Chloroform	43	4	0.050	0.067	0.088	0.110	0.140	0.162	0.050	0.090	0.033
Chloromethane	44	0	1.076	1.175	1.320	1.840	7.400	19.330	1.049	3.038	4.021

Table 52: VOC Annual Statistics at Sarnia (2002)

Unit: micrograms per cubic metre (µg/m^3)

Compounds	# of Samples	No. < DL	PERCENTILES 5%	25%	50%	75%	90%	Max	Min	Mean	Std.Dev.
cis-1,2-Dichloroethylene	28	27	0.050	0.050	0.050	0.050	0.050	0.052	0.050	0.050	0.000
cis-1,2-Dimethylcyclohexane	44	43	0.050	0.050	0.050	0.050	0.050	0.060	0.050	0.050	0.002
cis-1,3-Dichloropropene	44	44									
cis-1,3-Dimethylcyclohexane	44	24	0.050	0.050	0.050	0.079	0.150	0.270	0.050	0.076	0.049
cis-1,4/t-1,3-Dimethylcyclohexane	44	39	0.050	0.050	0.050	0.050	0.050	0.070	0.050	0.051	0.004
cis-2-Butene	44	9	0.050	0.056	0.112	0.230	0.470	1.080	0.050	0.194	0.215
cis-2-Heptene	44	40	0.050	0.050	0.050	0.050	0.050	0.270	0.050	0.057	0.034
cis-2-Hexene	44	42	0.050	0.050	0.050	0.050	0.050	0.075	0.050	0.051	0.004
cis-2-Pentene	44	14	0.050	0.050	0.063	0.152	0.184	0.625	0.050	0.110	0.101
cis-3-Heptene	42	29	0.050	0.050	0.050	0.072	0.116	0.347	0.050	0.071	0.053
cis-3-Methyl-2-pentene	44	40	0.050	0.050	0.050	0.050	0.050	0.088	0.050	0.052	0.007
cis-4-Methyl-2-pentene	43	32	0.050	0.050	0.050	0.051	0.069	0.171	0.050	0.057	0.020
Cyclohexane	44	9	0.050	0.063	0.290	1.265	2.871	10.273	0.050	1.056	1.982
Cyclohexene	44	39	0.050	0.050	0.050	0.050	0.050	0.078	0.050	0.051	0.005
Cyclopentane	44	1	0.070	0.110	0.190	0.508	0.880	1.580	0.050	0.356	0.373
Cyclopentene	44	25	0.050	0.050	0.050	0.059	0.091	0.253	0.050	0.062	0.034
Decane	44	14	0.050	0.050	0.129	0.235	0.430	0.645	0.050	0.179	0.166
Dibromochloromethane	44	34	0.050	0.050	0.050	0.050	0.060	0.078	0.050	0.053	0.007
Dibromomethane	44	6	0.050	0.060	0.073	0.095	0.110	0.146	0.050	0.077	0.025
Dichloromethane	44	0	0.230	0.280	0.384	0.561	1.529	9.440	0.225	0.901	1.672
Dodecane	44	1	0.052	0.110	0.161	0.241	0.432	0.757	0.050	0.208	0.156
EDB	44	36	0.050	0.050	0.050	0.050	0.060	0.070	0.050	0.052	0.005
Ethane	44	0	1.016	2.167	3.384	5.338	9.151	10.855	0.602	4.175	2.804
Ethylbenzene	44	1	0.088	0.196	0.286	0.640	1.092	2.807	0.050	0.493	0.504
Ethylbromide	44	43	0.050	0.050	0.050	0.050	0.050	0.053	0.050	0.050	0.001
Ethylene	44	0	0.465	0.958	2.203	4.554	13.549	23.775	0.353	4.388	5.471
Freon11	44	0	1.500	1.810	1.990	2.197	2.340	2.701	1.420	1.979	0.298
Freon113	44	0	0.720	0.820	0.951	1.086	1.219	10.340	0.670	1.174	1.427
Freon114	44	0	0.141	0.177	0.194	0.230	0.275	0.377	0.121	0.208	0.056
Freon12	44	0	2.720	2.930	3.230	3.495	3.807	6.441	2.400	3.332	0.722
Freon22	44	0	0.558	0.620	0.700	0.824	0.859	1.264	0.520	0.736	0.167
Heptane	44	1	0.058	0.100	0.240	0.513	0.820	1.491	0.050	0.366	0.359
Hexachlorobutadiene	44	44									
Hexane	25	0	0.241	0.440	0.940	1.980	6.530	14.480	0.199	2.398	3.421
Hexylbenzene	44	6	0.050	0.073	0.176	0.240	0.280	0.400	0.050	0.164	0.091
Indane	44	26	0.050	0.050	0.050	0.060	0.089	0.232	0.050	0.062	0.030
Isobutane	44	0	0.220	0.702	1.949	3.460	5.531	8.011	0.204	2.423	2.210

Table 52: VOC Annual Statistics at Sarnia (2002)

Unit: micrograms per cubic metre (µg/m^3)

Compounds	# of Samples	No. < DL	PERCENTILES 5%	25%	50%	75%	90%	Max	Min	Mean	Std.Dev.
iso-Butylbenzene	44	44									
Isopentane	44	0	0.810	1.733	2.817	7.126	10.786	19.680	0.548	4.762	4.202
Isoprene	44	8	0.050	0.060	0.175	0.333	0.774	1.330	0.050	0.258	0.280
iso-Propylbenzene	44	27	0.050	0.050	0.050	0.060	0.070	0.130	0.050	0.057	0.016
m and p-Xylene	44	0	0.170	0.310	0.680	1.694	2.943	8.177	0.050	1.207	1.435
Methylcyclohexane	44	11	0.050	0.050	0.130	0.236	0.470	1.340	0.050	0.211	0.250
Methylcyclopentane	44	1	0.081	0.134	0.360	0.860	1.858	3.790	0.050	0.661	0.752
Naphthalene	38	0	0.249	0.356	0.542	0.756	1.080	1.530	0.162	0.620	0.330
n-Butylbenzene	44	36	0.050	0.050	0.050	0.050	0.059	0.125	0.050	0.053	0.012
Nonane	44	12	0.050	0.050	0.100	0.199	0.356	0.700	0.050	0.152	0.137
n-Propylbenzene	44	16	0.050	0.050	0.071	0.114	0.192	0.453	0.050	0.099	0.074
Octane	44	12	0.050	0.050	0.133	0.287	0.551	0.678	0.050	0.205	0.193
o-Xylene	44	2	0.067	0.119	0.250	0.571	0.859	2.632	0.050	0.406	0.464
p-Cymene	44	35	0.050	0.050	0.050	0.050	0.069	0.156	0.050	0.056	0.018
Pentane	44	0	0.507	0.938	1.770	3.628	5.681	10.739	0.339	2.525	2.240
Propane	44	0	0.744	2.030	4.970	8.826	12.690	18.706	0.354	5.929	4.797
Propylene	44	0	0.217	0.418	0.890	1.916	3.735	8.850	0.147	1.483	1.674
sec-Butylbenzene	44	42	0.050	0.050	0.050	0.050	0.050	0.060	0.050	0.050	0.002
Styrene	44	19	0.050	0.050	0.071	0.160	0.219	0.373	0.050	0.105	0.079
tert-Butylbenzene	44	44									
Tetrachloroethylene	44	1	0.071	0.108	0.150	0.270	0.360	0.900	0.050	0.208	0.164
Toluene	44	0	0.318	0.770	1.460	4.125	9.536	21.336	0.179	3.289	4.281
trans-1,2-Dichloroethylene	44	42	0.050	0.050	0.050	0.050	0.050	0.060	0.050	0.050	0.002
trans-1,2-Dimethylcyclohexane	44	43	0.050	0.050	0.050	0.050	0.050	0.060	0.050	0.050	0.002
trans-1,3-Dichloropropene	44	44									
trans-1,4-Dimethylcyclohexane	44	38	0.050	0.050	0.050	0.050	0.063	0.120	0.050	0.054	0.013
trans-2-Butene	44	10	0.050	0.053	0.115	0.223	0.464	1.016	0.050	0.191	0.213
trans-2-Heptene	44	44									
trans-2-Hexene	44	37	0.050	0.050	0.050	0.050	0.060	0.151	0.050	0.054	0.016
trans-2-Octene	42	32	0.050	0.050	0.050	0.050	0.100	0.200	0.050	0.064	0.034
trans-2-Pentene	44	7	0.050	0.060	0.090	0.244	0.292	1.044	0.050	0.164	0.173
trans-3-Heptene	44	44									
trans-3-Methyl-2-pentene	44	43	0.050	0.050	0.050	0.050	0.050	0.082	0.050	0.051	0.005
trans-4-Methyl-2-pentene	44	43	0.050	0.050	0.050	0.050	0.050	0.054	0.050	0.050	0.001
Trichloroethylene	44	7	0.050	0.057	0.077	0.100	0.149	0.240	0.050	0.089	0.043
Undecane	44	14	0.050	0.050	0.104	0.183	0.280	0.480	0.050	0.139	0.115
Vinylchloride	44	37	0.050	0.050	0.050	0.050	0.106	0.700	0.050	0.074	0.101

Table 53: VOC Annual Statistics at Simcoe (2002)

Unit: micrograms per cubic metre (µg/m^3)

Compounds	# of Samples	No. < DL	PERCENTILES 5%	25%	50%	75%	90%	Max	Min	Mean	Std.Dev.
1,1,1-Trichloroethane	52	0	0.130	0.204	0.212	0.228	0.250	0.250	0.100	0.211	0.029
1,1,2,2-Tetrachloroethane	52	39	0.050	0.050	0.050	0.051	0.060	0.070	0.050	0.052	0.005
1,1,2-Trichloroethane	52	47	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.000
1,1-Dichloroethane	52	51	0.050	0.050	0.050	0.050	0.050	0.069	0.050	0.050	0.003
1,1-Dichloroethylene	52	24	0.050	0.050	0.051	0.060	0.077	0.106	0.050	0.058	0.013
1,2,3-Trimethylbenzene	52	27	0.050	0.050	0.050	0.079	0.131	0.404	0.050	0.079	0.062
1,2,4-Trichlorobenzene	52	8	0.050	0.063	0.075	0.121	0.160	0.210	0.050	0.094	0.042
1,2,4-Trimethylbenzene	52	6	0.050	0.068	0.092	0.120	0.180	0.734	0.050	0.111	0.099
1,2-Dichlorobenzene	52	46	0.050	0.050	0.050	0.050	0.050	0.070	0.050	0.051	0.003
1,2-Dichloroethane	52	18	0.050	0.050	0.056	0.068	0.073	0.099	0.050	0.060	0.012
1,2-Dichloropropane	52	52									
1,2-Diethylbenzene	52	51	0.050	0.050	0.050	0.050	0.050	0.087	0.050	0.051	0.005
1,3,5-Trimethylbenzene	52	41	0.050	0.050	0.050	0.050	0.060	0.437	0.050	0.060	0.054
1,3-Butadiene	52	38	0.050	0.050	0.050	0.053	0.070	0.119	0.050	0.055	0.013
1,3-Dichlorobenzene	52	47	0.050	0.050	0.050	0.050	0.050	0.070	0.050	0.051	0.003
1,3-Diethylbenzene	52	50	0.050	0.050	0.050	0.050	0.050	0.063	0.050	0.050	0.002
1,4-Dichlorobenzene	52	46	0.050	0.050	0.050	0.050	0.050	0.072	0.050	0.050	0.003
1,4-Dichlorobutane	52	45	0.050	0.050	0.050	0.050	0.058	0.276	0.050	0.058	0.034
1,4-Diethylbenzene	52	38	0.050	0.050	0.050	0.052	0.070	0.213	0.050	0.057	0.023
1-Butene/Isobutene	52	0	0.103	0.159	0.199	0.249	0.431	1.170	0.092	0.259	0.220
1-Butyne	52	52									
1-Decene	52	50	0.050	0.050	0.050	0.050	0.050	0.380	0.050	0.058	0.048
1-Heptene	52	49	0.050	0.050	0.050	0.050	0.050	0.420	0.050	0.067	0.071
1-Hexene	36	9	0.050	0.051	0.098	0.120	0.186	0.567	0.050	0.125	0.119
1-Methylcyclohexene	52	49	0.050	0.050	0.050	0.050	0.050	0.060	0.050	0.050	0.001
1-Methylcyclopentene	52	48	0.050	0.050	0.050	0.050	0.050	0.205	0.050	0.054	0.022
1-Nonene	52	46	0.050	0.050	0.050	0.050	0.052	0.430	0.050	0.062	0.060
1-Octene	52	47	0.050	0.050	0.050	0.050	0.050	0.420	0.050	0.062	0.059
1-Pentene	52	3	0.050	0.068	0.077	0.090	0.112	0.591	0.050	0.104	0.111
1-Propyne	52	40	0.050	0.050	0.050	0.050	0.060	0.082	0.050	0.052	0.006
1-Undecene	52	34	0.050	0.050	0.050	0.064	0.098	0.470	0.050	0.078	0.084
2,2,3-Trimethylbutane	52	50	0.050	0.050	0.050	0.050	0.050	0.070	0.050	0.051	0.004
2,2,4-Trimethylpentane	52	7	0.050	0.066	0.096	0.147	0.200	1.250	0.050	0.146	0.195
2,2,5-Trimethylhexane	52	51	0.050	0.050	0.050	0.050	0.050	0.070	0.050	0.050	0.003
2,2-Dimethylbutane	52	2	0.052	0.074	0.095	0.118	0.130	0.675	0.050	0.114	0.109
2,2-Dimethylhexane	52	51	0.050	0.050	0.050	0.050	0.050	0.081	0.050	0.051	0.004
2,2-Dimethylpentane	52	52									

Table 53: VOC Annual Statistics at Simcoe (2002)

Unit: micrograms per cubic metre (µg/m^3)

Compounds	# of Samples	No. < DL	PERCENTILES 5%	25%	50%	75%	90%	Max	Min	Mean	Std.Dev.
2,2-Dimethylpropane	52	40	0.050	0.050	0.050	0.050	0.062	0.115	0.050	0.054	0.011
2,3,4-Trimethylpentane	52	34	0.050	0.050	0.050	0.053	0.068	0.415	0.050	0.063	0.054
2,3-Dimethylbutane	52	8	0.050	0.058	0.073	0.112	0.148	0.865	0.050	0.106	0.118
2,3-Dimethylpentane	52	21	0.050	0.050	0.056	0.086	0.098	2.178	0.050	0.135	0.358
2,4-Dimethylhexane	52	45	0.050	0.050	0.050	0.050	0.050	0.254	0.050	0.055	0.029
2,4-Dimethylpentane	52	41	0.050	0.050	0.050	0.050	0.060	0.182	0.050	0.055	0.020
2,5-Dimethylbenzaldehyde	43	43									
2,5-Dimethylhexane	52	50	0.050	0.050	0.050	0.050	0.050	0.178	0.050	0.053	0.019
2-Ethyl-1-butene	52	49	0.050	0.050	0.050	0.050	0.050	0.355	0.050	0.060	0.047
2-Ethyltoluene	52	43	0.050	0.050	0.050	0.050	0.060	0.208	0.050	0.055	0.022
2-methyl-1-butene	51	7	0.050	0.054	0.071	0.100	0.180	1.859	0.050	0.129	0.257
2-Methyl-2-butene	52	43	0.050	0.050	0.050	0.050	0.060	1.230	0.050	0.079	0.165
2-Methylheptane	52	37	0.050	0.050	0.050	0.055	0.071	0.630	0.050	0.066	0.080
2-Methylhexane	52	9	0.050	0.064	0.094	0.127	0.175	7.171	0.050	0.326	1.176
2-Methylpentane	45	0	0.218	0.325	0.380	0.565	0.688	3.568	0.176	0.531	0.522
2-Pentanone/Isovaleraldehyde	43	8	0.050	0.059	0.094	0.139	0.176	0.279	0.050	0.106	0.055
3,6-Dimethyloctane	52	52									
3-Ethyltoluene	52	16	0.050	0.050	0.062	0.087	0.110	0.797	0.050	0.086	0.104
3-Methyl-1-Butene	52	49	0.050	0.050	0.050	0.050	0.050	0.173	0.050	0.053	0.018
3-Methyl-1-pentene	52	50	0.050	0.050	0.050	0.050	0.050	0.092	0.050	0.051	0.006
3-Methylheptane	52	41	0.050	0.050	0.050	0.050	0.060	0.607	0.050	0.063	0.077
3-Methylhexane	52	6	0.050	0.062	0.094	0.140	0.195	7.809	0.050	0.357	1.298
3-Methylpentane	39	3	0.050	0.180	0.269	0.395	0.458	2.644	0.050	0.338	0.413
4-Ethyltoluene	52	17	0.050	0.050	0.060	0.080	0.105	0.549	0.050	0.078	0.072
4-Methyl-1-pentene	52	49	0.050	0.050	0.050	0.050	0.050	0.129	0.050	0.053	0.012
4-Methylheptane	52	51	0.050	0.050	0.050	0.050	0.050	0.222	0.050	0.053	0.024
Acetaldehyde	43	0	0.349	0.628	0.902	1.763	2.268	5.038	0.343	1.280	0.970
Acetone	43	0	1.068	1.980	2.877	4.165	5.668	7.318	0.798	3.196	1.689
Acetylene	52	0	0.162	0.331	0.488	0.710	0.891	1.410	0.127	0.529	0.278
Acrolein	43	25	0.050	0.050	0.050	0.078	0.109	0.259	0.050	0.071	0.042
Benzaldehyde	43	12	0.050	0.050	0.104	0.269	0.359	0.931	0.050	0.165	0.171
Benzene	52	0	0.218	0.331	0.461	0.630	0.850	8.483	0.121	0.649	1.132
Benzylchloride	52	52									
Bromodichloromethane	52	28	0.050	0.050	0.050	0.059	0.069	0.121	0.050	0.056	0.012
Bromoform	52	37	0.050	0.050	0.050	0.052	0.060	0.080	0.050	0.053	0.006
Bromomethane	52	0	0.066	0.118	0.132	0.147	0.178	0.216	0.061	0.135	0.031
Bromotrichloromethane	2	2									

Table 53: VOC Annual Statistics at Simcoe (2002)

Unit: micrograms per cubic metre (µg/m^3)

Compounds	# of Samples	No. < DL	PERCENTILES 5%	25%	50%	75%	90%	Max	Min	Mean	Std.Dev.
Butane	52	0	0.349	0.786	1.209	1.980	2.870	6.378	0.260	1.636	1.324
Carbontetrachloride	52	0	0.553	0.610	0.646	0.710	0.769	0.795	0.545	0.657	0.073
Chlorobenzene	52	50	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.000
Chloroethane	52	10	0.050	0.052	0.063	0.074	0.080	0.260	0.050	0.070	0.036
Chloroform	50	13	0.050	0.050	0.081	0.097	0.124	0.140	0.050	0.080	0.027
Chloromethane	52	0	1.090	1.136	1.200	1.291	1.371	1.617	1.061	1.227	0.120
cis-1,2-Dichloroethylene	32	30	0.050	0.050	0.050	0.050	0.050	0.055	0.050	0.050	0.001
cis-1,2-Dimethylcyclohexane	52	51	0.050	0.050	0.050	0.050	0.050	0.108	0.050	0.051	0.008
cis-1,3-Dichloropropene	52	38	0.050	0.050	0.050	0.058	0.196	6.545	0.050	0.222	0.907
cis-1,3-Dimethylcyclohexane	52	48	0.050	0.050	0.050	0.050	0.050	0.712	0.050	0.063	0.092
cis-1,4/t-1,3-Dimethylcyclohexane	52	51	0.050	0.050	0.050	0.050	0.050	0.206	0.050	0.053	0.022
cis-2-Butene	52	37	0.050	0.050	0.050	0.050	0.074	0.530	0.050	0.067	0.070
cis-2-Heptene	52	50	0.050	0.050	0.050	0.050	0.050	0.092	0.050	0.051	0.006
cis-2-Hexene	52	51	0.050	0.050	0.050	0.050	0.050	0.071	0.050	0.050	0.003
cis-2-Pentene	52	48	0.050	0.050	0.050	0.050	0.050	0.656	0.050	0.063	0.084
cis-3-Heptene	51	47	0.050	0.050	0.050	0.050	0.050	0.144	0.050	0.053	0.014
cis-3-Methyl-2-pentene	52	51	0.050	0.050	0.050	0.050	0.050	0.084	0.050	0.051	0.005
cis-4-Methyl-2-pentene	50	49	0.050	0.050	0.050	0.050	0.050	0.184	0.050	0.053	0.019
Crotonaldehyde	43	18	0.050	0.050	0.067	0.123	0.188	0.520	0.050	0.108	0.098
Cyclohexane	52	22	0.050	0.050	0.059	0.084	0.130	1.075	0.050	0.094	0.147
Cyclohexene	52	47	0.050	0.050	0.050	0.050	0.050	0.220	0.050	0.055	0.025
Cyclopentane	52	12	0.050	0.050	0.070	0.105	0.121	3.963	0.050	0.191	0.602
Cyclopentene	52	47	0.050	0.050	0.050	0.050	0.050	0.262	0.050	0.056	0.030
Decane	52	28	0.050	0.050	0.050	0.082	0.101	0.247	0.050	0.071	0.039
Dibromochloromethane	52	42	0.050	0.050	0.050	0.050	0.053	0.070	0.050	0.051	0.004
Dibromomethane	52	3	0.050	0.067	0.080	0.092	0.101	0.114	0.050	0.080	0.018
Dichloromethane	52	0	0.191	0.219	0.268	0.323	0.416	10.382	0.179	0.573	1.541
Dodecane	52	11	0.050	0.050	0.077	0.133	0.211	0.368	0.050	0.105	0.070
EDB	52	46	0.050	0.050	0.050	0.050	0.050	0.080	0.050	0.051	0.005
Ethane	52	0	1.101	1.874	2.529	3.257	4.430	6.896	0.843	2.706	1.289
Ethylbenzene	52	2	0.055	0.098	0.134	0.190	0.280	0.539	0.050	0.157	0.093
Ethylbromide	52	52									
Ethylene	52	0	0.291	0.451	0.618	0.903	1.471	7.598	0.201	0.940	1.241
Formaldehyde	43	0	0.579	1.061	1.987	3.523	5.221	11.060	0.467	2.770	2.243
Freon11	52	0	1.590	1.710	1.943	2.355	2.491	2.571	1.540	1.998	0.320
Freon113	52	0	0.624	0.685	0.747	0.876	0.990	1.100	0.621	0.790	0.134
Freon114	52	0	0.146	0.188	0.211	0.232	0.287	0.363	0.126	0.218	0.046

Table 53: VOC Annual Statistics at Simcoe (2002)

Unit: micrograms per cubic metre (µg/m^3)

Compounds	# of Samples	No. < DL	PERCENTILES 5%	25%	50%	75%	90%	Max	Min	Mean	Std.Dev.
Freon12	52	0	2.507	2.666	2.944	3.441	3.663	30.495	2.460	3.968	4.826
Freon22	52	0	0.540	0.598	0.680	0.758	0.927	40.401	0.524	1.467	5.508
Heptane	52	6	0.050	0.065	0.092	0.150	0.200	3.362	0.050	0.193	0.477
Hexachlorobutadiene	52	52									
Hexanal	43	5	0.050	0.073	0.213	0.371	0.564	1.195	0.050	0.267	0.247
Hexane	27	1	0.135	0.187	0.336	0.411	0.759	2.553	0.050	0.431	0.472
Hexylbenzene	52	12	0.050	0.054	0.086	0.200	0.281	0.380	0.050	0.129	0.095
Indane	52	49	0.050	0.050	0.050	0.050	0.050	0.055	0.050	0.050	0.001
Isobutane	52	0	0.224	0.351	0.577	0.850	1.250	5.319	0.122	0.759	0.819
iso-Butylbenzene	52	52									
Isopentane	52	0	0.373	0.717	0.984	1.380	2.005	17.400	0.208	1.699	3.215
Isoprene	52	23	0.050	0.050	0.057	0.377	0.662	1.704	0.050	0.249	0.360
iso-Propylbenzene	52	51	0.050	0.050	0.050	0.050	0.050	0.060	0.050	0.050	0.001
m and p-Xylene	52	0	0.107	0.198	0.280	0.430	0.563	1.237	0.078	0.333	0.210
MEK	43	0	0.212	0.366	0.631	1.044	1.761	2.831	0.135	0.823	0.601
Methylcyclohexane	52	32	0.050	0.050	0.050	0.070	0.090	0.798	0.050	0.078	0.107
Methylcyclopentane	52	7	0.050	0.063	0.090	0.149	0.185	0.779	0.050	0.120	0.107
MIBK	43	13	0.050	0.050	0.076	0.142	0.188	0.305	0.050	0.105	0.067
m-Tolualdehyde	43	43									
Naphthalene	49	0	0.146	0.211	0.314	0.459	0.629	1.200	0.112	0.379	0.238
n-Butylbenzene	52	52									
Nonane	52	33	0.050	0.050	0.050	0.070	0.088	0.270	0.050	0.065	0.037
n-Propylbenzene	52	37	0.050	0.050	0.050	0.050	0.073	0.168	0.050	0.056	0.018
Octane	52	32	0.050	0.050	0.050	0.071	0.090	0.780	0.050	0.080	0.108
o-Tolualdehyde	43	43									
o-Xylene	52	5	0.050	0.079	0.104	0.156	0.190	0.347	0.050	0.118	0.063
p-Cymene	52	29	0.050	0.050	0.050	0.144	0.245	0.420	0.050	0.107	0.093
Pentane	52	0	0.256	0.423	0.590	0.802	0.965	15.906	0.155	0.977	2.208
Propane	52	0	0.656	1.146	1.816	2.794	3.444	6.390	0.317	2.072	1.185
Propionaldehyde	43	0	0.092	0.150	0.216	0.378	0.519	1.360	0.081	0.291	0.237
Propylene	52	0	0.111	0.162	0.224	0.332	0.470	2.362	0.099	0.337	0.431
p-Tolualdehyde	43	43									
sec-Butylbenzene	52	52									
Styrene	52	39	0.050	0.050	0.050	0.050	0.082	0.446	0.050	0.063	0.056
tert-Butylbenzene	52	52									
Tetrachloroethylene	52	4	0.050	0.078	0.103	0.129	0.200	0.501	0.050	0.119	0.077
Toluene	52	0	0.239	0.461	0.633	0.835	1.210	20.940	0.196	1.265	3.073

Table 53: VOC Annual Statistics at Simcoe (2002)

Unit: micrograms per cubic metre (µg/m^3)

Compounds	# of Samples	No. < DL	PERCENTILES 5%	25%	50%	75%	90%	Max	Min	Mean	Std.Dev.
trans-1,2-Dichloroethylene	52	51	0.050	0.050	0.050	0.050	0.050	0.053	0.050	0.050	0.000
trans-1,2-Dimethylcyclohexane	52	52									
trans-1,3-Dichloropropene	52	38	0.050	0.050	0.050	0.057	0.175	6.847	0.050	0.218	0.946
trans-1,4-Dimethylcyclohexane	52	51	0.050	0.050	0.050	0.050	0.050	0.296	0.050	0.055	0.034
trans-2-Butene	52	38	0.050	0.050	0.050	0.050	0.070	0.533	0.050	0.067	0.071
trans-2-Heptene	52	52									
trans-2-Hexene	52	50	0.050	0.050	0.050	0.050	0.050	0.144	0.050	0.052	0.013
trans-2-Octene	51	50	0.050	0.050	0.050	0.050	0.050	0.448	0.050	0.058	0.056
trans-2-Pentene	52	46	0.050	0.050	0.050	0.050	0.050	1.097	0.050	0.073	0.145
trans-3-Heptene	52	52									
trans-3-Methyl-2-pentene	52	51	0.050	0.050	0.050	0.050	0.050	0.087	0.050	0.051	0.005
trans-4-Methyl-2-pentene	52	51	0.050	0.050	0.050	0.050	0.050	0.060	0.050	0.050	0.001
Trichloroethylene	52	7	0.050	0.060	0.077	0.093	0.114	1.213	0.050	0.118	0.213
Undecane	52	31	0.050	0.050	0.050	0.068	0.094	0.204	0.050	0.064	0.031
Valeraldehyde	43	16	0.050	0.050	0.091	0.152	0.298	0.468	0.050	0.120	0.096
Vinylchloride	52	52									

Table 54: VOC Annual Statistics at Stouffville (2002)

Unit: micrograms per cubic metre (µg/m^3)

Compounds	# of Samples	No. < DL	PERCENTILES 5%	25%	50%	75%	90%	Max	Min	Mean	Std.Dev.
1,1,1-Trichloroethane	33	0	0.176	0.210	0.223	0.230	0.250	0.268	0.164	0.221	0.023
1,1,2,2-Tetrachloroethane	33	22	0.050	0.050	0.050	0.060	0.070	0.073	0.050	0.055	0.008
1,1,2-Trichloroethane	33	26	0.050	0.050	0.050	0.050	0.051	0.060	0.050	0.051	0.002
1,1-Dichloroethane	33	30	0.050	0.050	0.050	0.050	0.050	0.057	0.050	0.050	0.002
1,1-Dichloroethylene	33	19	0.050	0.050	0.050	0.070	0.101	0.103	0.050	0.061	0.018
1,2,3-Trimethylbenzene	33	18	0.050	0.050	0.050	0.070	0.110	0.124	0.050	0.064	0.024
1,2,4-Trichlorobenzene	33	5	0.050	0.082	0.101	0.140	0.200	0.230	0.050	0.113	0.050
1,2,4-Trimethylbenzene	33	0	0.064	0.108	0.131	0.260	0.352	0.540	0.052	0.184	0.116
1,2-Dichlorobenzene	33	26	0.050	0.050	0.050	0.050	0.060	0.060	0.050	0.051	0.003
1,2-Dichloroethane	33	5	0.050	0.056	0.060	0.080	0.086	0.097	0.050	0.066	0.014
1,2-Dichloropropane	33	32	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.000
1,2-Diethylbenzene	33	32	0.050	0.050	0.050	0.050	0.050	0.053	0.050	0.050	0.000
1,3,5-Trimethylbenzene	33	17	0.050	0.050	0.050	0.080	0.136	0.170	0.050	0.071	0.035
1,3-Butadiene	33	8	0.050	0.050	0.068	0.090	0.130	0.238	0.050	0.080	0.045
1,3-Dichlorobenzene	33	27	0.050	0.050	0.050	0.050	0.050	0.060	0.050	0.051	0.002
1,3-Diethylbenzene	33	31	0.050	0.050	0.050	0.050	0.050	0.060	0.050	0.050	0.002
1,4-Dichlorobenzene	33	16	0.050	0.050	0.050	0.060	0.072	0.100	0.050	0.057	0.012
1,4-Dichlorobutane	33	32	0.050	0.050	0.050	0.050	0.050	0.070	0.050	0.051	0.003
1,4-Diethylbenzene	33	13	0.050	0.050	0.060	0.070	0.100	0.134	0.050	0.066	0.023
1-Butene/Isobutene	33	0	0.176	0.280	0.340	0.410	0.547	1.130	0.128	0.375	0.188
1-Butyne	33	33									
1-Decene	33	33									
1-Heptene	33	32	0.050	0.050	0.050	0.050	0.050	0.060	0.050	0.050	0.002
1-Hexene	32	11	0.050	0.050	0.070	0.125	0.160	0.314	0.050	0.094	0.062
1-Methylcyclohexene	33	30	0.050	0.050	0.050	0.050	0.050	0.051	0.050	0.050	0.000
1-Methylcyclopentene	33	28	0.050	0.050	0.050	0.050	0.050	0.072	0.050	0.051	0.004
1-Nonene	33	32	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.000
1-Octene	33	33									
1-Pentene	33	4	0.050	0.060	0.072	0.100	0.140	0.232	0.050	0.088	0.041
1-Propyne	33	17	0.050	0.050	0.050	0.060	0.080	0.135	0.050	0.060	0.019
1-Undecene	33	33									
2,2,3-Trimethylbutane	33	33									
2,2,4-Trimethylpentane	33	0	0.068	0.103	0.131	0.220	0.290	0.370	0.063	0.165	0.084
2,2,5-Trimethylhexane	33	33									
2,2-Dimethylbutane	33	2	0.050	0.071	0.101	0.130	0.172	0.269	0.050	0.109	0.050
2,2-Dimethylhexane	33	33									
2,2-Dimethylpentane	33	32	0.050	0.050	0.050	0.050	0.050	0.059	0.050	0.050	0.002

Table 54: VOC Annual Statistics at Stouffville (2002)

Unit: micrograms per cubic metre (µg/m^3)

Compounds	# of Samples	No. < DL	PERCENTILES 5%	25%	50%	75%	90%	Max	Min	Mean	Std.Dev.
2,2-Dimethylpropane	33	24	0.050	0.050	0.050	0.050	0.065	0.086	0.050	0.054	0.009
2,3,4-Trimethylpentane	33	14	0.050	0.050	0.050	0.070	0.110	0.142	0.050	0.066	0.026
2,3-Dimethylbutane	33	5	0.050	0.060	0.092	0.130	0.177	0.461	0.050	0.110	0.077
2,3-Dimethylpentane	33	4	0.050	0.065	0.081	0.109	0.150	0.292	0.050	0.096	0.050
2,4-Dimethylhexane	33	21	0.050	0.050	0.050	0.054	0.070	0.112	0.050	0.056	0.013
2,4-Dimethylpentane	33	20	0.050	0.050	0.050	0.060	0.080	0.154	0.050	0.061	0.024
2,5-Dimethylhexane	33	27	0.050	0.050	0.050	0.050	0.060	0.072	0.050	0.052	0.006
2-Ethyl-1-butene	33	29	0.050	0.050	0.050	0.050	0.050	0.208	0.050	0.056	0.028
2-Ethyltoluene	33	17	0.050	0.050	0.050	0.080	0.114	0.140	0.050	0.067	0.026
2-methyl-1-butene	32	3	0.050	0.076	0.120	0.150	0.210	0.414	0.050	0.129	0.078
2-Methyl-2-butene	33	14	0.050	0.050	0.050	0.080	0.122	0.354	0.050	0.078	0.061
2-Methylheptane	33	11	0.050	0.050	0.070	0.092	0.150	0.190	0.050	0.082	0.040
2-Methylhexane	33	2	0.050	0.125	0.154	0.210	0.280	0.651	0.050	0.181	0.115
2-Methylpentane	27	0	0.201	0.311	0.422	0.590	0.867	2.216	0.190	0.532	0.398
3,6-Dimethyloctane	33	33									
3-Ethyltoluene	33	1	0.052	0.072	0.094	0.170	0.255	0.360	0.050	0.125	0.077
3-Methyl-1-Butene	33	29	0.050	0.050	0.050	0.050	0.050	0.092	0.050	0.052	0.008
3-Methyl-1-pentene	33	33									
3-Methylheptane	33	12	0.050	0.050	0.060	0.087	0.120	0.180	0.050	0.076	0.037
3-Methylhexane	33	0	0.058	0.138	0.158	0.235	0.340	0.643	0.052	0.198	0.120
3-Methylpentane	26	0	0.072	0.201	0.348	0.470	0.640	1.645	0.055	0.383	0.317
4-Ethyltoluene	33	7	0.050	0.053	0.060	0.110	0.150	0.200	0.050	0.084	0.042
4-Methyl-1-pentene	33	33									
4-Methylheptane	33	28	0.050	0.050	0.050	0.050	0.050	0.080	0.050	0.052	0.006
Acetylene	33	0	0.393	0.513	0.901	1.098	1.332	1.960	0.278	0.892	0.412
Benzene	33	0	0.257	0.520	0.580	0.751	1.010	1.509	0.201	0.647	0.292
Benzylchloride	33	27	0.050	0.050	0.050	0.050	0.050	0.058	0.050	0.050	0.002
Bromodichloromethane	33	15	0.050	0.050	0.050	0.070	0.080	0.090	0.050	0.060	0.014
Bromoform	33	17	0.050	0.050	0.050	0.054	0.070	0.080	0.050	0.055	0.009
Bromomethane	33	1	0.053	0.100	0.119	0.150	0.209	0.228	0.050	0.126	0.046
Bromotrichloromethane	4	4									
Butane	33	0	0.425	1.250	2.226	3.580	4.883	11.083	0.334	2.801	2.457
Carbontetrachloride	33	0	0.478	0.609	0.630	0.673	0.763	0.895	0.468	0.651	0.094
Chlorobenzene	33	32	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.000
Chloroethane	33	14	0.050	0.050	0.050	0.069	0.094	0.100	0.050	0.061	0.016
Chloroform	31	3	0.050	0.079	0.090	0.100	0.123	0.149	0.050	0.090	0.024
Chloromethane	33	0	1.049	1.110	1.150	1.243	1.523	1.666	1.020	1.215	0.171

Table 54: VOC Annual Statistics at Stouffville (2002)

Unit: micrograms per cubic metre (µg/m^3)

Compounds	# of Samples	No. < DL	PERCENTILES 5%	25%	50%	75%	90%	Max	Min	Mean	Std.Dev.
cis-1,2-Dichloroethylene	32	30	0.050	0.050	0.050	0.050	0.050	0.058	0.050	0.050	0.002
cis-1,2-Dimethylcyclohexane	33	30	0.050	0.050	0.050	0.050	0.050	0.100	0.050	0.052	0.009
cis-1,3-Dichloropropene	33	33									
cis-1,3-Dimethylcyclohexane	33	22	0.050	0.050	0.050	0.060	0.082	0.150	0.050	0.061	0.024
cis-1,4/t-1,3-Dimethylcyclohexane	33	32	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.000
cis-2-Butene	33	8	0.050	0.050	0.060	0.090	0.130	0.362	0.050	0.092	0.072
cis-2-Heptene	33	33									
cis-2-Hexene	33	33									
cis-2-Pentene	33	24	0.050	0.050	0.050	0.050	0.070	0.170	0.050	0.058	0.024
cis-3-Heptene	31	28	0.050	0.050	0.050	0.050	0.050	0.072	0.050	0.051	0.004
cis-3-Methyl-2-pentene	33	33									
cis-4-Methyl-2-pentene	33	32	0.050	0.050	0.050	0.050	0.050	0.060	0.050	0.050	0.002
Cyclohexane	33	5	0.050	0.060	0.080	0.111	0.140	0.254	0.050	0.092	0.049
Cyclohexene	33	33									
Cyclopentane	33	6	0.050	0.060	0.081	0.125	0.155	0.409	0.050	0.103	0.071
Cyclopentene	33	27	0.050	0.050	0.050	0.050	0.054	0.099	0.050	0.053	0.010
Decane	33	4	0.050	0.067	0.088	0.130	0.200	0.270	0.050	0.105	0.057
Dibromochloromethane	33	21	0.050	0.050	0.050	0.059	0.070	0.071	0.050	0.055	0.008
Dibromomethane	33	3	0.050	0.068	0.077	0.100	0.130	0.138	0.050	0.084	0.026
Dichloromethane	33	0	0.189	0.230	0.330	0.430	0.525	0.995	0.188	0.357	0.169
Dodecane	33	8	0.050	0.050	0.103	0.188	0.280	0.371	0.050	0.137	0.097
EDB	33	22	0.050	0.050	0.050	0.056	0.060	0.073	0.050	0.054	0.006
Ethane	33	0	1.657	2.246	3.053	3.680	4.904	6.362	1.419	3.217	1.231
Ethylbenzene	33	0	0.088	0.143	0.214	0.350	0.500	1.307	0.063	0.287	0.234
Ethylbromide	33	33									
Ethylene	33	0	0.379	0.739	1.027	1.432	2.234	3.745	0.336	1.226	0.732
Freon11	33	0	1.522	1.633	1.700	1.833	2.581	2.662	1.330	1.829	0.361
Freon113	33	0	0.628	0.979	2.010	2.145	2.260	2.310	0.613	1.721	0.595
Freon114	33	0	0.129	0.170	0.190	0.230	0.300	0.349	0.107	0.204	0.060
Freon12	33	0	2.397	2.562	2.650	2.850	3.655	3.876	2.120	2.822	0.470
Freon22	33	0	0.514	0.580	0.630	0.680	0.827	1.030	0.466	0.657	0.125
Heptane	33	0	0.081	0.121	0.200	0.250	0.325	0.480	0.075	0.205	0.099
Hexachlorobutadiene	33	33									
Hexane	28	0	0.137	0.255	0.340	0.558	0.702	0.839	0.087	0.398	0.202
Hexylbenzene	33	4	0.050	0.057	0.150	0.230	0.330	0.390	0.050	0.165	0.107
Indane	33	27	0.050	0.050	0.050	0.050	0.060	0.077	0.050	0.052	0.006
Isobutane	33	0	0.232	0.546	0.960	1.420	1.810	3.727	0.201	1.082	0.761

Table 54: VOC Annual Statistics at Stouffville (2002)

Unit: micrograms per cubic metre (µg/m^3)

Compounds	# of Samples	No. < DL	PERCENTILES 5%	25%	50%	75%	90%	Max	Min	Mean	Std.Dev.
iso-Butylbenzene	33	33									
Isopentane	33	0	0.431	0.760	1.100	1.790	2.475	5.427	0.355	1.478	1.062
Isoprene	33	22	0.050	0.050	0.050	0.060	0.063	0.141	0.050	0.057	0.017
iso-Propylbenzene	33	29	0.050	0.050	0.050	0.050	0.050	0.060	0.050	0.050	0.002
m and p-Xylene	33	0	0.221	0.346	0.530	0.940	1.440	4.717	0.152	0.787	0.838
Methylcyclohexane	33	3	0.050	0.079	0.127	0.185	0.260	0.590	0.050	0.150	0.108
Methylcyclopentane	33	1	0.056	0.107	0.146	0.193	0.300	0.618	0.050	0.173	0.115
Naphthalene	29	0	0.103	0.198	0.539	1.060	1.280	1.490	0.084	0.624	0.446
n-Butylbenzene	33	31	0.050	0.050	0.050	0.050	0.050	0.053	0.050	0.050	0.001
Nonane	33	9	0.050	0.050	0.070	0.090	0.142	0.212	0.050	0.084	0.039
n-Propylbenzene	33	16	0.050	0.050	0.050	0.070	0.103	0.191	0.050	0.068	0.031
Octane	33	8	0.050	0.050	0.070	0.108	0.150	0.260	0.050	0.090	0.049
o-Xylene	33	0	0.077	0.114	0.180	0.290	0.410	0.976	0.052	0.231	0.185
p-Cymene	33	26	0.050	0.050	0.050	0.050	0.050	0.100	0.050	0.052	0.009
Pentane	33	0	0.267	0.540	0.740	1.042	1.458	3.099	0.220	0.913	0.603
Propane	33	0	0.675	1.779	2.620	3.618	5.252	10.681	0.631	3.019	1.928
Propylene	33	0	0.140	0.230	0.330	0.478	0.646	1.341	0.127	0.386	0.241
sec-Butylbenzene	33	33									
Styrene	33	17	0.050	0.050	0.050	0.070	0.142	0.428	0.050	0.080	0.072
tert-Butylbenzene	33	33									
Tetrachloroethylene	33	1	0.066	0.115	0.160	0.221	0.310	1.342	0.050	0.206	0.218
Toluene	33	0	0.476	0.775	1.186	1.710	2.570	9.601	0.381	1.560	1.619
trans-1,2-Dichloroethylene	33	30	0.050	0.050	0.050	0.050	0.050	0.053	0.050	0.050	0.001
trans-1,2-Dimethylcyclohexane	33	33									
trans-1,3-Dichloropropene	33	33									
trans-1,4-Dimethylcyclohexane	33	30	0.050	0.050	0.050	0.050	0.050	0.060	0.050	0.050	0.002
trans-2-Butene	33	9	0.050	0.050	0.070	0.100	0.170	0.438	0.050	0.103	0.091
trans-2-Heptene	33	33									
trans-2-Hexene	33	32	0.050	0.050	0.050	0.050	0.050	0.092	0.050	0.051	0.007
trans-2-Octene	31	27	0.050	0.050	0.050	0.050	0.050	0.100	0.050	0.053	0.011
trans-2-Pentene	33	19	0.050	0.050	0.050	0.060	0.093	0.272	0.050	0.067	0.044
trans-3-Heptene	33	33									
trans-3-Methyl-2-pentene	33	32	0.050	0.050	0.050	0.050	0.050	0.053	0.050	0.050	0.001
trans-4-Methyl-2-pentene	33	33									
Trichloroethylene	33	5	0.050	0.060	0.091	0.120	0.187	0.373	0.050	0.109	0.073
Undecane	33	6	0.050	0.059	0.080	0.102	0.170	0.215	0.050	0.093	0.048
Vinylchloride	33	33									

Table 55: VOC Annual Statistics at Windsor (2002)

Unit: micrograms per cubic metre (µg/m^3)

Compounds	# of Samples	No. < DL	PERCENTILES 5%	25%	50%	75%	90%	Max	Min	Mean	Std.Dev.
1,1,1-Trichloroethane	38	0	0.158	0.203	0.217	0.230	0.260	0.390	0.139	0.219	0.038
1,1,2,2-Tetrachloroethane	38	25	0.050	0.050	0.050	0.056	0.060	0.078	0.050	0.053	0.007
1,1,2-Trichloroethane	38	33	0.050	0.050	0.050	0.050	0.050	0.061	0.050	0.051	0.002
1,1-Dichloroethane	38	35	0.050	0.050	0.050	0.050	0.050	0.060	0.050	0.051	0.002
1,1-Dichloroethylene	38	21	0.050	0.050	0.050	0.066	0.082	0.118	0.050	0.060	0.017
1,2,3-Trimethylbenzene	38	6	0.050	0.061	0.082	0.150	0.298	0.472	0.050	0.125	0.096
1,2,4-Trichlorobenzene	38	8	0.050	0.061	0.090	0.132	0.170	0.210	0.050	0.100	0.048
1,2,4-Trimethylbenzene	38	0	0.085	0.212	0.320	0.552	1.243	1.407	0.072	0.453	0.375
1,2-Dichlorobenzene	38	32	0.050	0.050	0.050	0.050	0.050	0.060	0.050	0.051	0.003
1,2-Dichloroethane	38	10	0.050	0.050	0.059	0.068	0.090	0.710	0.050	0.080	0.106
1,2-Dichloropropane	38	35	0.050	0.050	0.050	0.050	0.050	0.051	0.050	0.050	0.000
1,2-Diethylbenzene	38	37	0.050	0.050	0.050	0.050	0.050	0.073	0.050	0.051	0.004
1,3,5-Trimethylbenzene	38	3	0.050	0.074	0.100	0.186	0.383	0.468	0.050	0.152	0.117
1,3-Butadiene	38	0	0.057	0.079	0.107	0.143	0.210	0.619	0.056	0.130	0.096
1,3-Dichlorobenzene	38	32	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.000
1,3-Diethylbenzene	38	27	0.050	0.050	0.050	0.050	0.070	0.087	0.050	0.054	0.009
1,4-Dichlorobenzene	38	6	0.050	0.050	0.069	0.116	0.257	0.271	0.050	0.098	0.068
1,4-Dichlorobutane	38	37	0.050	0.050	0.050	0.050	0.050	0.054	0.050	0.050	0.001
1,4-Diethylbenzene	38	9	0.050	0.052	0.090	0.120	0.190	0.264	0.050	0.101	0.057
1-Butene/Isobutene	38	0	0.209	0.296	0.393	0.511	0.708	1.893	0.204	0.450	0.290
1-Butyne	38	38									
1-Decene	38	36	0.050	0.050	0.050	0.050	0.050	0.060	0.050	0.050	0.002
1-Heptene	38	35	0.050	0.050	0.050	0.050	0.050	0.053	0.050	0.050	0.000
1-Hexene	32	5	0.050	0.080	0.111	0.143	0.216	0.453	0.050	0.129	0.081
1-Methylcyclohexene	38	35	0.050	0.050	0.050	0.050	0.050	0.074	0.050	0.051	0.004
1-Methylcyclopentene	38	27	0.050	0.050	0.050	0.050	0.081	0.159	0.050	0.059	0.023
1-Nonene	38	38									
1-Octene	38	37	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.000
1-Pentene	38	0	0.075	0.097	0.148	0.192	0.308	0.481	0.067	0.167	0.099
1-Propyne	38	6	0.050	0.055	0.076	0.092	0.134	0.312	0.050	0.085	0.047
1-Undecene	38	37	0.050	0.050	0.050	0.050	0.050	0.254	0.050	0.055	0.033
2,2,3-Trimethylbutane	38	38									
2,2,4-Trimethylpentane	38	0	0.119	0.150	0.198	0.426	0.779	1.280	0.113	0.335	0.289
2,2,5-Trimethylhexane	38	32	0.050	0.050	0.050	0.050	0.072	0.115	0.050	0.055	0.015
2,2-Dimethylbutane	38	0	0.094	0.134	0.190	0.251	0.542	0.641	0.093	0.233	0.151
2,2-Dimethylhexane	38	38									
2,2-Dimethylpentane	38	31	0.050	0.050	0.050	0.050	0.075	0.145	0.050	0.056	0.017

Table 55: VOC Annual Statistics at Windsor (2002)

Unit: micrograms per cubic metre (µg/m^3)

Compounds	# of Samples	No. < DL	PERCENTILES 5%	25%	50%	75%	90%	Max	Min	Mean	Std.Dev.
2,2-Dimethylpropane	38	19	0.050	0.050	0.050	0.057	0.069	0.107	0.050	0.055	0.011
2,3,4-Trimethylpentane	38	3	0.050	0.060	0.070	0.136	0.262	0.477	0.050	0.119	0.101
2,3-Dimethylbutane	38	0	0.080	0.163	0.249	0.475	0.895	1.167	0.080	0.348	0.291
2,3-Dimethylpentane	38	0	0.083	0.106	0.136	0.239	0.436	0.839	0.078	0.205	0.165
2,4-Dimethylhexane	38	20	0.050	0.050	0.050	0.078	0.150	0.218	0.050	0.073	0.042
2,4-Dimethylpentane	38	3	0.050	0.058	0.082	0.147	0.299	0.632	0.050	0.128	0.119
2,5-Dimethylbenzaldehyde	38	38									
2,5-Dimethylhexane	38	24	0.050	0.050	0.050	0.070	0.129	0.215	0.050	0.068	0.037
2-Ethyl-1-butene	38	20	0.050	0.050	0.050	0.103	0.177	0.613	0.050	0.095	0.102
2-Ethyltoluene	38	6	0.050	0.064	0.090	0.156	0.305	0.378	0.050	0.128	0.092
2-methyl-1-butene	38	0	0.087	0.150	0.217	0.313	0.562	1.056	0.085	0.288	0.214
2-Methyl-2-butene	38	0	0.054	0.080	0.124	0.187	0.507	0.931	0.050	0.200	0.198
2-Methylheptane	38	3	0.050	0.060	0.080	0.152	0.270	0.449	0.050	0.119	0.092
2-Methylhexane	38	0	0.142	0.189	0.262	0.466	0.924	1.630	0.140	0.390	0.332
2-Methylpentane	35	0	0.486	0.702	1.087	1.903	4.141	5.090	0.450	1.639	1.291
2-Pentanone/Isovaleraldehyde	38	4	0.050	0.081	0.126	0.150	0.215	0.404	0.050	0.130	0.076
3,6-Dimethyloctane	38	38									
3-Ethyltoluene	38	0	0.072	0.141	0.202	0.379	0.812	0.928	0.069	0.299	0.240
3-Methyl-1-Butene	38	23	0.050	0.050	0.050	0.070	0.107	0.199	0.050	0.068	0.035
3-Methyl-1-pentene	38	33	0.050	0.050	0.050	0.050	0.053	0.088	0.050	0.052	0.007
3-Methylheptane	38	5	0.050	0.054	0.076	0.142	0.276	0.468	0.050	0.119	0.098
3-Methylhexane	38	0	0.145	0.180	0.260	0.480	0.933	1.493	0.130	0.388	0.320
3-Methylpentane	33	2	0.050	0.467	0.756	1.623	3.105	11.190	0.050	1.474	2.024
4-Ethyltoluene	38	3	0.050	0.079	0.120	0.210	0.457	0.524	0.050	0.171	0.133
4-Methyl-1-pentene	38	36	0.050	0.050	0.050	0.050	0.050	0.069	0.050	0.051	0.003
4-Methylheptane	38	26	0.050	0.050	0.050	0.053	0.105	0.173	0.050	0.062	0.028
Acetaldehyde	38	0	0.694	1.149	1.407	1.898	3.040	6.040	0.654	1.731	1.135
Acetone	38	0	1.329	2.170	3.448	4.591	6.267	12.664	1.071	3.803	2.347
Acetylene	38	0	0.458	0.723	1.073	1.388	2.029	5.911	0.379	1.248	0.946
Acrolein	38	9	0.050	0.050	0.078	0.097	0.156	0.694	0.050	0.108	0.127
Benzaldehyde	38	1	0.056	0.075	0.110	0.179	0.217	0.990	0.050	0.148	0.154
Benzene	38	0	0.446	0.774	1.120	1.989	3.321	4.090	0.395	1.497	0.994
Benzylchloride	38	31	0.050	0.050	0.050	0.050	0.050	0.058	0.050	0.050	0.002
Bromodichloromethane	38	12	0.050	0.050	0.060	0.080	0.096	0.116	0.050	0.066	0.019
Bromoform	38	23	0.050	0.050	0.050	0.058	0.060	0.086	0.050	0.054	0.008
Bromomethane	38	0	0.073	0.124	0.140	0.172	0.207	0.275	0.070	0.150	0.049
Bromotrichloromethane	4	4									

Table 55: VOC Annual Statistics at Windsor (2002)

Unit: micrograms per cubic metre (µg/m^3)

Compounds	# of Samples	No. < DL	PERCENTILES 5%	25%	50%	75%	90%	Max	Min	Mean	Std.Dev.
Butane	38	0	0.770	2.058	3.541	4.912	6.676	16.178	0.749	3.886	2.935
Carbontetrachloride	38	0	0.578	0.615	0.647	0.690	0.779	0.882	0.500	0.660	0.076
Chlorobenzene	38	38									
Chloroethane	38	9	0.050	0.051	0.066	0.073	0.083	0.115	0.050	0.066	0.015
Chloroform	36	2	0.050	0.076	0.091	0.131	0.148	0.158	0.050	0.099	0.033
Chloromethane	38	0	1.050	1.111	1.198	1.278	1.366	1.467	1.030	1.202	0.106
cis-1,2-Dichloroethylene	30	28	0.050	0.050	0.050	0.050	0.050	0.055	0.050	0.050	0.001
cis-1,2-Dimethylcyclohexane	38	38									
cis-1,3-Dichloropropene	38	38									
cis-1,3-Dimethylcyclohexane	38	25	0.050	0.050	0.050	0.061	0.101	0.137	0.050	0.061	0.024
cis-1,4/t-1,3-Dimethylcyclohexane	38	37	0.050	0.050	0.050	0.050	0.050	0.053	0.050	0.050	0.001
cis-2-Butene	38	5	0.050	0.068	0.090	0.124	0.223	0.584	0.050	0.117	0.094
cis-2-Heptene	38	34	0.050	0.050	0.050	0.050	0.070	0.144	0.050	0.057	0.024
cis-2-Hexene	38	35	0.050	0.050	0.050	0.050	0.050	0.117	0.050	0.053	0.012
cis-2-Pentene	38	9	0.050	0.050	0.074	0.108	0.256	0.425	0.050	0.111	0.092
cis-3-Heptene	38	27	0.050	0.050	0.050	0.069	0.119	0.261	0.050	0.067	0.041
cis-3-Methyl-2-pentene	38	34	0.050	0.050	0.050	0.050	0.060	0.124	0.050	0.053	0.012
cis-4-Methyl-2-pentene	37	29	0.050	0.050	0.050	0.050	0.084	0.145	0.050	0.057	0.019
Crotonaldehyde	38	20	0.050	0.050	0.050	0.077	0.164	0.472	0.050	0.085	0.079
Cyclohexane	38	1	0.052	0.080	0.113	0.210	0.376	0.676	0.050	0.170	0.144
Cyclohexene	38	35	0.050	0.050	0.050	0.050	0.050	0.082	0.050	0.051	0.005
Cyclopentane	38	0	0.070	0.110	0.161	0.330	0.625	0.745	0.050	0.254	0.204
Cyclopentene	38	22	0.050	0.050	0.050	0.069	0.107	0.219	0.050	0.067	0.034
Decane	38	3	0.050	0.075	0.110	0.250	0.364	0.530	0.050	0.167	0.125
Dibromochloromethane	38	27	0.050	0.050	0.050	0.052	0.060	0.079	0.050	0.054	0.007
Dibromomethane	38	9	0.050	0.052	0.073	0.090	0.108	0.152	0.050	0.077	0.026
Dichloromethane	38	0	0.230	0.297	0.347	0.450	0.662	0.974	0.211	0.394	0.161
Dodecane	38	1	0.054	0.130	0.220	0.290	0.374	0.563	0.050	0.227	0.121
EDB	38	29	0.050	0.050	0.050	0.050	0.060	0.070	0.050	0.052	0.005
Ethane	38	0	1.999	3.402	5.641	6.693	11.264	21.195	1.951	5.967	3.922
Ethylbenzene	38	0	0.190	0.260	0.332	0.624	1.365	2.206	0.176	0.558	0.494
Ethylbromide	38	36	0.050	0.050	0.050	0.050	0.050	0.052	0.050	0.050	0.000
Ethylene	38	0	0.810	1.439	2.102	3.203	4.423	12.594	0.698	2.668	2.199
Formaldehyde	38	0	0.784	1.583	2.111	2.985	5.044	15.021	0.573	2.672	2.416
Freon11	38	0	1.531	1.796	2.174	2.283	2.437	2.557	1.490	2.044	0.313
Freon113	38	0	0.590	0.682	0.759	0.815	0.869	0.946	0.561	0.752	0.097
Freon114	38	0	0.133	0.169	0.200	0.236	0.276	0.365	0.130	0.209	0.057

Table 55: VOC Annual Statistics at Windsor (2002)

Unit: micrograms per cubic metre (µg/m^3)

Compounds	# of Samples	No. < DL	PERCENTILES 5%	25%	50%	75%	90%	Max	Min	Mean	Std.Dev.
Freon12	38	0	2.450	2.690	3.208	3.425	3.595	3.720	2.310	3.087	0.410
Freon22	38	0	0.554	0.668	0.801	0.968	1.361	1.984	0.550	0.867	0.302
Heptane	38	0	0.103	0.147	0.190	0.338	0.681	0.979	0.099	0.280	0.206
Hexachlorobutadiene	38	38									
Hexanal	38	0	0.074	0.101	0.141	0.267	0.391	4.763	0.059	0.302	0.752
Hexane	23	0	0.392	0.420	0.900	2.164	2.990	281.680	0.230	13.418	58.489
Hexylbenzene	38	4	0.050	0.074	0.150	0.240	0.330	0.420	0.050	0.171	0.104
Indane	38	17	0.050	0.050	0.050	0.076	0.129	0.168	0.050	0.070	0.034
Isobutane	38	0	0.435	0.775	1.256	1.880	2.363	5.224	0.359	1.446	0.976
iso-Butylbenzene	38	38									
Isopentane	38	0	1.244	1.783	2.291	4.735	9.778	12.650	1.190	3.815	3.083
Isoprene	38	5	0.050	0.055	0.183	0.395	1.185	2.100	0.050	0.355	0.497
iso-Propylbenzene	38	23	0.050	0.050	0.050	0.060	0.080	0.096	0.050	0.056	0.012
m and p-Xylene	38	0	0.450	0.637	0.809	1.765	4.507	7.477	0.381	1.601	1.734
MEK	38	0	0.288	0.556	0.864	1.438	3.175	48.904	0.261	2.561	7.906
Methylcyclohexane	38	4	0.050	0.062	0.090	0.166	0.326	0.380	0.050	0.127	0.091
Methylcyclopentane	38	0	0.129	0.166	0.408	0.650	1.199	105.300	0.127	3.227	17.010
MIBK	38	2	0.050	0.097	0.127	0.275	0.437	8.386	0.050	0.428	1.352
m-Tolualdehyde	38	34	0.050	0.050	0.050	0.050	0.058	0.078	0.050	0.052	0.005
Naphthalene	38	0	0.307	0.560	0.914	1.312	1.780	2.044	0.292	0.979	0.487
n-Butylbenzene	38	31	0.050	0.050	0.050	0.050	0.063	0.082	0.050	0.053	0.008
Nonane	38	2	0.050	0.070	0.085	0.169	0.277	0.397	0.050	0.131	0.093
n-Propylbenzene	38	3	0.050	0.059	0.081	0.130	0.253	0.464	0.050	0.114	0.084
Octane	38	3	0.050	0.064	0.090	0.145	0.267	0.337	0.050	0.119	0.079
o-Tolualdehyde	38	38									
o-Xylene	38	0	0.154	0.207	0.260	0.519	1.289	1.827	0.123	0.460	0.426
p-Cymene	38	25	0.050	0.050	0.050	0.067	0.100	1.046	0.050	0.087	0.161
Pentane	38	0	0.690	0.960	1.203	2.326	4.516	5.589	0.658	1.912	1.414
Propane	38	0	1.093	2.204	4.640	6.392	15.943	28.854	1.086	6.005	5.906
Propionaldehyde	38	0	0.172	0.308	0.371	0.508	0.950	1.674	0.159	0.466	0.315
Propylene	38	0	0.344	0.464	0.593	0.967	1.283	3.289	0.251	0.783	0.550
p-Tolualdehyde	38	32	0.050	0.050	0.050	0.050	0.092	1.650	0.050	0.103	0.262
sec-Butylbenzene	38	38									
Styrene	38	5	0.050	0.056	0.092	0.117	0.152	0.451	0.050	0.102	0.071
tert-Butylbenzene	38	38									
Tetrachloroethylene	38	0	0.077	0.151	0.200	0.325	0.443	2.342	0.069	0.293	0.367
Toluene	38	0	0.855	1.150	1.710	3.721	10.609	46.946	0.842	4.307	7.808

Table 55: VOC Annual Statistics at Windsor (2002)

Unit: micrograms per cubic metre (µg/m^3)

Compounds	# of Samples	No. < DL	PERCENTILES 5%	25%	50%	75%	90%	Max	Min	Mean	Std.Dev.
trans-1,2-Dichloroethylene	38	36	0.050	0.050	0.050	0.050	0.050	0.057	0.050	0.050	0.002
trans-1,2-Dimethylcyclohexane	38	38									
trans-1,3-Dichloropropene	38	38									
trans-1,4-Dimethylcyclohexane	38	36	0.050	0.050	0.050	0.050	0.050	0.058	0.050	0.050	0.002
trans-2-Butene	38	5	0.050	0.066	0.090	0.130	0.225	0.652	0.050	0.119	0.103
trans-2-Heptene	38	38									
trans-2-Hexene	38	29	0.050	0.050	0.050	0.050	0.080	0.252	0.050	0.060	0.034
trans-2-Octene	38	32	0.050	0.050	0.050	0.050	0.064	0.093	0.050	0.053	0.010
trans-2-Pentene	38	4	0.050	0.070	0.107	0.167	0.437	0.712	0.050	0.170	0.161
trans-3-Heptene	38	38									
trans-3-Methyl-2-pentene	38	36	0.050	0.050	0.050	0.050	0.050	0.127	0.050	0.052	0.012
trans-4-Methyl-2-pentene	38	37	0.050	0.050	0.050	0.050	0.050	0.053	0.050	0.050	0.000
Trichloroethylene	38	2	0.050	0.070	0.096	0.118	0.184	0.241	0.050	0.103	0.048
Undecane	38	3	0.050	0.066	0.109	0.188	0.335	0.828	0.050	0.159	0.149
Valeraldehyde	38	8	0.050	0.053	0.079	0.130	0.163	1.402	0.050	0.131	0.220
Vinylchloride	38	38									

Map 1: Locations of Continuous Air Monitoring Stations in Ontario (2002)

Map 2: Locations of Noncontinuous Air Monitoring Stations in Ontario (2002)

Map 3: Locations of Meteorological Stations in Ontario (2002)