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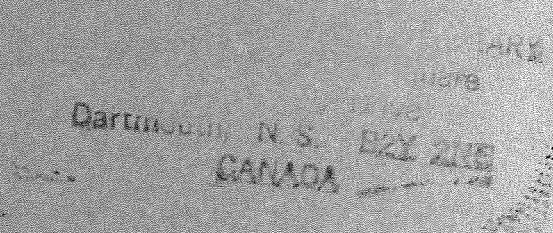
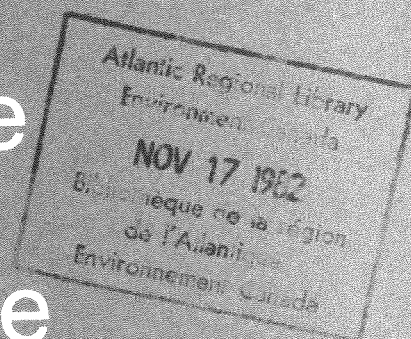
Environmental
Protection
Service

Service de la
protection de
l'environnement

Monthly Summary May 1973

National Air Pollution Surveillance

Surveillance nationale de la pollution atmosphérique



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EPS 5-AP-74-5

Air Pollution
Control Directorate
May 1974

Rapport de surveillance
EPS 5-AP-74-5

Direction générale de
la lutte contre la pollution
atmosphérique
mai 1974

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NATIONAL AIR POLLUTION SURVEILLANCE

MONTHLY SUMMARY

FOR

MAY 1973

Compiled by the

Air Pollution Control Directorate
Department of the Environment

From data collected by the Provinces of:

Newfoundland
Prince Edward Island
Nova Scotia
New Brunswick
Quebec
Ontario
Manitoba
Saskatchewan
Alberta
British Columbia
and the Government of Canada

Issued under the authority of the
Honourable Jack Davis P.C., M.P.,
Minister of the Environment

Report EPS 5-AP-74-5

May 1974

SURVEILLANCE NATIONALE DE LA POLLUTION ATMOSPHERIQUE

SOMMAIRE MENSUEL

DE

MAI 1973

Établi par la

Direction générale de la lutte contre la pollution atmosphérique
Ministère de l'Environnement

Extrait de données réunies par les provinces de:

Terre-Neuve
Ile-du-Prince Édouard
Nouvelle-Écosse
Nouveau-Brunswick
Québec
Ontario
Manitoba
Saskatchewan
Alberta
Colombie-Britannique
et par le gouvernement du Canada

Publication autorisée par
l'honorable Jack Davis, C.P., DÉPUTÉ
Ministre de l'Environnement

Rapport EPS 5-AP-74-5

mai 1974

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FOREWORD

The National Air Pollution Surveillance Program is a joint project based on the cooperative efforts of both the Federal and Provincial levels of government.

A knowledge of the nature and extent of air pollution across Canada is fundamental to the sound planning of control and abatement programs. In its broadest context, therefore, the purpose of the National Air Pollution Surveillance Program is to monitor and assess the quality of the ambient air in the populated regions of Canada on a continuing basis. In addition, however, the program serves a number of other needs and in this respect will become increasingly more useful as data accumulate. For example, it will be possible to detect trends in the levels of pollution with the passage of time and with respect to changing industrial activity, population density and air pollution abatement progress. Information collected by the program can be used in epidemiological studies and to provide background for the development of air quality objectives.

It was for these reasons that Federal and Provincial air pollution control officials meeting annually in Ottawa in 1969 and 1970 agreed that priority attention should be given to the development of a completely revised and more comprehensive National Air Pollution Surveillance Program. An important first step in achieving the goals of this program is the monthly reporting of data.

AVANT-PROPOS

Le programme national de surveillance de la pollution atmosphérique est un projet mixte basé sur les efforts collectifs des gouvernements fédéral et provinciaux.

Une connaissance de la nature et de l'étendue de la pollution de l'air dans tout le Canada est essentielle à la bonne planification des programmes de prévention et de réduction de la pollution. Dans son contexte le plus large, l'objectif du programme national de surveillance de la pollution atmosphérique est donc de surveiller et d'évaluer, sur une base continue, la qualité de l'air ambiant dans les régions peuplées du Canada. Ce programme répond cependant à un certain nombre d'autres besoins et, à ce titre, il deviendra de plus en plus utile à mesure que les données s'accumuleront. Par exemple, avec le temps, il sera possible de repérer les tendances des niveaux de pollution, compte tenu des variations de l'activité industrielle, de la densité de population, et du progrès accompli dans la réduction de la pollution atmosphérique. Les renseignements recueillis par ces programmes peuvent être utilisés dans les études épidémiologiques et servir de fond à l'élaboration des objectifs de la qualité de l'air.

C'est pour ces raisons qu'à leurs réunions de 1969 et de 1970 à Ottawa, les représentants fédéraux et provinciaux de la Lutte contre la pollution atmosphérique, ont reconnu qu'il fallait donner la priorité à la réorganisation et à l'extension du programme national de surveillance de la pollution atmosphérique. Une étape importante a été franchie déjà: chaque mois on publie un rapport de données.

Cooperating Agencies

Environmental Management & Control Division,
Department of Provincial Affairs & Environment,
Province of Newfoundland.

Environmental Control Commission,
Province of Prince Edward Island.

Consultation Services,
Department of Public Health,
Province of Nova Scotia.

Pollution Control Branch,
Department of Fisheries & Environment,
Province of New Brunswick.

Environmental Protection Services,
Department of Municipal Affairs,
Province of Quebec.

Air Management Branch,
Ministry of the Environment,
Province of Ontario.

Environmental Health Laboratory,
Department of Mines, Resources and
Environmental Management,
Province of Manitoba.

Air Pollution Control Branch,
Department of the Environment,
Province of Saskatchewan.

Division of Pollution Control,
Department of the Environment,
Province of Alberta.

Pollution Control Branch,
Department of Lands, Forests and Water Resources,
Province of British Columbia.

Air Pollution Control Directorate,
Department of the Environment.

Organismes collaborateurs

Environmental Management & Control Division,
Ministère des Affaires Provinciales & de l'Environnement,
Province de Terre-Neuve.

Environmental Control Commission,
Province de l'Ile-du-Prince Édouard.

Consultation Services,
Ministère de la Santé publique,
Province de la Nouvelle-Écosse.

Pollution Control Branch,
Ministère des Pêches et de l'Environnement,
Province du Nouveau-Brunswick.

Service de Protection de l'Environnement,
Ministère des Affaires Municipales,
Province de Québec.

Air Management Branch,
Ministère de l'Environnement,
Province de l'Ontario.

Environmental Health Laboratory,
Ministère de la gestion des Mines,
des Ressources et de l'Environnement,
Province du Manitoba.

Air Pollution Control Branch,
Ministère de l'Environnement,
Province de la Saskatchewan.

Division of Pollution Control,
Ministère de l'Environnement,
Province de l'Alberta.

Pollution Control Branch,
Ministère des Ressources Naturelles,
Province de la Colombie-Britannique.

Direction générale de la lutte contre la pollution atmosphérique,
Ministère de l'Environnement.

THE NATIONAL AIR POLLUTION

SURVEILLANCE NETWORK

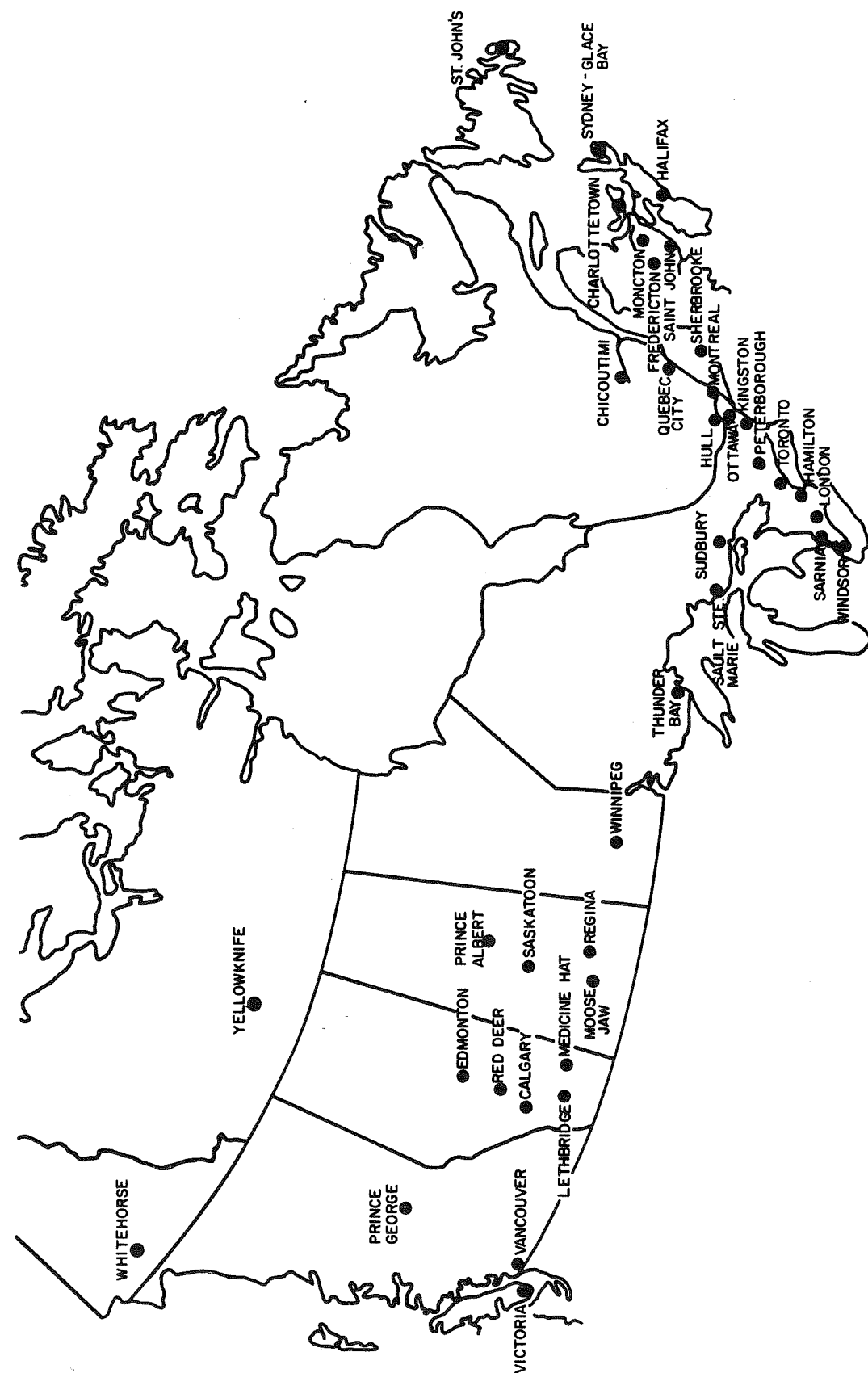
Sampling stations providing data for this summary are
located in the following Canadian cities:

LE RÉSEAU NATIONAL DE SURVEILLANCE

DE LA POLLUTION ATMOSPHERIQUE

Les stations d'échantillonnage qui fournissent les
données pour le présent sommaire sont situées dans les villes
canadiennes suivantes:

St. John's	Sault Ste. Marie
Charlottetown	Thunder Bay
Halifax,	London
Sydney	Sarnia
Glance Bay	Peterborough
Fredericton	Winnipeg
Saint John	Regina
Moncton	Saskatoon
Montréal	Moose Jaw
Hull	Prince Albert
Quebec City	Edmonton
Sherbrooke	Calgary
Chicoutimi	Red Deer
Ottawa	Medicine Hat
Windsor	Lethbridge
Kingston	Vancouver
Toronto	Prince George
Hamilton	Victoria
Sudbury	Yellowknife



NATIONAL AIR POLLUTION SURVEILLANCE NETWORK (SEPTEMBER, 1973)

EXPLANATORY NOTE

The data reported in this monthly summary have been gathered by cooperating agencies across Canada and forwarded to the Federal Department of the Environment for compilation. As of September, 1973, the program consisted of 347 sampling instruments in 42 cities across ten provinces and the two territories. Measurements are being made for soiling index, suspended particulates, lead, dustfall, sulfation rate, sulfur dioxide, carbon monoxide, nitrogen dioxide and ozone. In some cases, the data may not represent the total contribution of the participating agency since only representative stations have been included.

In addition to coordinating the National Air Pollution Surveillance Program, the Federal Government is, in a number of locations, providing the monitoring equipment for sampling stations which are operated by a cooperating provincial agency. In other locations, the provinces supply data from their own equipment. The Federal Air Pollution Control Directorate also operates its own sampling stations in Ottawa, Hull and Windsor.

The program is gradually being expanded to other cities and additional stations are being included and will be reported as they become operational. It is intended eventually to broaden the network to include other pollution indices. Future plans call for increased standardization, a national reference centre for sampling methodology and a calibration service to facilitate the inter-comparability of results from different agencies.

The reader will, no doubt, wish to make direct comparisons of the pollution levels in different cities. Caution should be exercised in this regard since undefinable differences in results can occur due to varying factors. These may include any or all of the following:

- Different climatic conditions existing in the different locations.

Different sampling equipment, sampling procedures and analytical techniques.

Interference from local emissions.

This summary is divided into seven main sections, each covering a separate pollution index. Dustfall and sulfation rate have been combined in one section since these measurements are customarily taken together. Each sampling station is identified by a code which defines its location. The first digit of the code indicates the province, the second and third digits the city, while the fourth and fifth digits indicate the station locations within the city. A letter has been used to denote the class of station, i.e. Commercial (C), Residential (R), or Industrial (I). The ownership of the equipment is also noted as Municipal (M), Provincial (P), or Federal (F). The sampling height is also given. A description of the methodology employed and a listing of the appropriate sampling locations will be found at the beginning of each section.

NOTE EXPLICATIVE

Les données contenues dans le présent sommaire mensuel ont été réunies par les organismes collaborateurs dans tout le Canada et acheminées au ministère fédéral de l'Environnement pour compilation. A compter de septembre, 1973, le programme comportait 347 instruments d'échantillonnage dans 42 villes de dix provinces, et les deux territoires. Les mesures sont faites relativement à l'indice de souillure, les particules en suspension, le plomb, les retombées de poussières, l'indice de formation de sulfate, l'anhydride sulfureux, le monoxyde de carbone, le bioxyde d'azote et l'ozone. Dans certains cas, les données peuvent ne pas représenter la contribution totale des organismes collaborateurs, étant donné que seules les stations représentatives ont été incluses.

En plus de coordonner le programme national de surveillance de la pollution atmosphérique, le gouvernement fédéral, dans un certain nombre d'endroits, fournit les appareils de surveillance à des stations d'échantillonnage dont le fonctionnement est assuré par un organisme collaborateur provincial. En d'autres endroits, les provinces fournissent les données de leurs propres appareils. La Direction fédérale de la lutte contre la pollution atmosphérique assure le fonctionnement de ses propres stations d'échantillonnage, à Ottawa, à Hull et à Windsor.

Le programme s'étend graduellement à d'autres villes: des stations supplémentaires sont intégrées et feront l'objet d'un compte-rendu à mesure qu'elles ouvriront. L'objectif est d'étendre éventuellement le réseau afin d'inclure d'autres indices de pollution. Les plans d'avenir prévoient une normalisation accrue, un centre national de référence pour la méthodologie de l'échantillonnage et un service d'étalonnage pour faciliter l'inter-comparabilité des résultats obtenus par différents organismes.

Le lecteur voudra sans doute faire des comparaisons directes des niveau de pollution des différentes villes. Sur ce point, il

faudrait faire preuve d'une certaine prudence, étant donné que des différences indéfinissables dans les résultats peuvent se produire en raison de facteurs variables. Ces différences peuvent comprendre aucun ou l'ensemble des éléments suivants:

Les différentes conditions climatiques des différents secteurs.

Une différence dans les appareils et les techniques d'échantillonnage et dans les techniques analytiques.

L'interférence des émissions locales.

Le présent sommaire est divisé en sept sections principales, chacune couvrant un indice de pollution différent. Les taux de poussière atmosphérique et l'indice de formation de sulfate ont été réunis en une seule section, vu que ces mesures sont habituellement prises ensembles. Chaque station d'échantillonnage est indentifiée par un code qui définit son emplacement. Le premier chiffre du code indique la province, le deuxième et le troisième chiffre représentent la ville alors que le quatrième et le cinquième indiquent l'emplacement de la station dans la ville. Une lettre a été utilisée pour indiquer le classement de station, c'est-à-dire commerciale (C), résidentielle (R), ou industrielle (I). La propriété des appareils est aussi distinguée par (M) pour municipale, (P) pour provinciale et (F) pour fédérale. On retrouve également la hauteur à laquelle se fait le prélèvement. Une description de la méthode employée et une liste des endroits d'échantillonnage appropriés se trouvent au commencement de chaque section.

SOILING INDEX

The soiling index is an indication of the soiling or darkening potential of the pollutants in the atmosphere. A measured volume of air is continuously drawn through a circular area on a paper filter tape producing a stain or spot as a result of the deposited particulate matter. Samples are taken automatically for specified time periods, normally two hours. Light transmission measurements are carried out directly on the spot and the results recorded in terms of the "coefficient of haze" (COH). A COH unit has been defined as that quantity of particulate matter which produces an optical density of 0.01 with light at 400 mμ wavelength. The soiling index is expressed as the number of COH units per 1000 linear feet of air drawn through the filter.

INDICE DE SOUILLURE

L'indice de souillure est une indication du pouvoir salissant des polluants de l'atmosphère. Un volume d'air déterminé est aspiré à travers un ruban de papier filtre pendant une période habituellement de 2 heures et la poussière en suspension dans l'air se dépose sur le filtre produisant une tache circulaire. À toutes les 2 heures, le ruban avance de quelques pouces et une nouvelle tache est formée.

Ces taches sont ensuite évaluées avec un appareil qui mesure la quantité de lumière absorbée par la poussière et les résultats sont exprimés en unités COH (coefficient d'obscurité). Une unité COH a été définie comme étant la quantité de matières produisant une densité optique de 0.01 avec une lumière d'une longueur d'onde de 400 mμ. L'indice de souillure est le nombre d'unités COH par 1,000 pieds linéaires d'air aspiré à travers le filtre.

STATIONS MEASURING SOILING INDEX

STATIONS MESURANT L'INDICE DE SOUILLURE

30310	C,F	12	SYDNEY, COUNTY JAIL
30311	R,F	12	SYDNEY, WHITNEY PIER FIRE STN.
30405	C,F	15	GLACE BAY, GENERAL HOSPITAL
50101	R,P	10	MONTREAL, JARRY PARK
50102	R,P	10	MONTREAL, BOTANICAL GARDENS
50103	R,P	15	MONTREAL, POINTE AUX TREMBLES
50104	C,M	40	MONTREAL, 1125 ONTARIO, EAST
50105	C,M	35	MONTREAL, 1212 DRUMMOND
50106	R,P	10	MONTREAL, VILLE ST. LAURENT
50107	R,P	15	MONTREAL, VILLE LASALLE
50201	C,F	35	HULL, RUE PRINCIPALE
60101	C,F	40	OTTAWA, SLATER AND ELGIN
60102	R,F	10	OTTAWA, EXPERIMENTAL FARM
60103	C,F	40	OTTAWA, GILMOUR STREET
60201	I,P	12	WINDSOR, MORTON TERMINAL DOCK
60204	C,P	25	WINDSOR, 471 UNIVERSITY AVE.
60401	C,P	65	TORONTO, 67 COLLEGE STREET
60402	R,P	30	TORONTO, DON MILLS, SCI. CENTRE
60403	I,P	9	TORONTO, EVANS/ARNOLD
60410	R,P	10	TORONTO, LAWRENCE-KENNEDY
60501	C,P	12	HAMILTON, BARTON AND WENTWORTH
60505	R,P	10	HAMILTON, NORTH PARK
60602	R,P	12	SUDBURY, ASH STREET
60901	C,P	13	LONDON, KING-RECTORY

61001	C,P	12	SARNIA, 156 VICTORIA ST.
70101	C,F	20	WINNIPEG, KENNEDY ST. & YORK AVE.
70102	R,F	30	WINNIPEG, PORTAGE AT WOODLAND
70103	R,F	30	WINNIPEG, HARTFORD AT MAIN
70104	I,F	50	WINNIPEG, UNION STOCK YARDS
80102	R,F	15	REGINA, 3211 ALBERT STREET
80108	C,F	40	REGINA, 12TH AND SMITH
80202	C,F	33	SASKATOON, CITY LIBRARY
80203	R,F	43	SASKATOON, MOUNT ROYAL LODGE
90113	C,P	70	EDMONTON, 100A AVE. AND 104 ST.
90115	I,P	8	EDMONTON, 147 ST. AND 116 AVE.
90118	R,P	8	EDMONTON, 73 AVE. AND 95 ST.
90204	C,P	6	CALGARY, 7 AVE. AND 2 ST., S.E.
90216	R,P	10	CALGARY, GLENMORE DAM
90218	I,P	6	CALGARY, BONNYBROOK ROAD, S.E.
00102	R,F	15	VANCOUVER, 100 RICHMOND ST.
00105	C,F	75	VANCOUVER, 739 W. HASTINGS ST.
00106	R,F	55	VANCOUVER, 2294 W. 10TH AVE.
00107	I,F	20	VANCOUVER, 75 RIVERSIDE DR.
00301	C,F	30	VICTORIA, POLICE STN. (FISGUARD)

SUMMARY OF SOILING INDEX LEVELS
VALEURS CONDENSEES DES INDICES DE SOUILLURE

STATION 30310C				STATION 30311R			STATION		
DAY	NO. OF SAMP.	MAX	MEAN	NO. OF SAMP.	MAX	MEAN	NO. OF SAMP.	MAX	MEAN
1	8	1.3	0.9	12	0.5	0.3			
2	12	3.5	1.2	12	1.9	0.5			
3	12	7.3	3.6	12	1.9	1.1			
4	12	5.0	2.0	12	3.0	1.3			
5	12	5.3	2.2	12	1.4	0.9			
6	12	3.5	1.5	12	1.7	0.6			
7	12	1.1	0.5	12	0.5	0.3			
8	12	1.2	0.5	12	0.5	0.3			
9	12	1.7	1.0	12	1.6	0.5			
10	12	1.9	1.3	12	1.6	0.9			
11	12	3.6	1.7	12	0.9	0.4			
12	12	4.7	2.1	12	2.6	1.0			
13	12	5.9	2.4	12	2.0	1.2			
14	12	2.7	1.1	12	1.4	0.7			
15	12	3.1	1.1	12	1.5	0.9			
16	12	2.1	0.8	12	2.4	0.9			
17	12	1.5	0.8	12	0.8	0.5			
18	12	3.4	1.1	12	1.4	0.6			
19	12	5.1	1.9	12	1.5	0.9			
20	12	3.7	1.9	12	1.1	0.7			
21	12	1.5	0.8	12	1.0	0.4			
22	12	1.7	0.5	12	0.5	0.3			
23	12	1.3	0.7	12	1.4	0.5			
24	12	1.6	1.0	12	1.0	0.6			
25	12	1.4	0.6	12	0.4	0.2			
26	12	1.6	0.6	12	0.5	0.2			
27	12	2.8	1.1	12	1.1	0.6			
28	12	5.7	2.7	12	2.1	0.9			
29	12	6.1	2.8	12	3.1	1.2			
30	12	3.7	0.9	12	1.4	0.6			
31	12	3.7	1.5	12	0.8	0.6			

STA 30310C STA 30311R STA

TOTAL NO. SAMPLES	368	372
MAXIMUM FOR MONTH	7.3	3.1
MONTHLY MEAN	1.4	0.7

MONTH MAY 1973

LOCATION

SYDNEY

SUMMARY OF SOILING INDEX LEVELS
VALEURS CONDENSEES DES INDICES DE SOUILLURE

STATION 30405C				STATION			STATION		
DAY	NO. OF SAMP.	MAX	MEAN	NO. OF SAMP.	MAX	MEAN	NO. OF SAMP.	MAX	MEAN
1									
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15		NO	DATA						
16									
17									
18		AVAILABLE							
19									
20									
21									
22									
23									
24									
25									
26									
27									
28									
29									
30									
31									

STA 30405C STA STA

TOTAL NO. SAMPLES	
MAXIMUM FOR MONTH	
MONTHLY MEAN	

MONTH MAY 1973

LOCATION

GLACE BAY

SUMMARY OF SOILING INDEX LEVELS
VALEURS CONDENSEES DES INDICES DE SOUILLURE

STATION 50101R				STATION 50102R				STATION 50103R			
DAY	NO. OF SAMP.	MAX	MEAN	NO. OF SAMP.	MAX	MEAN		NO. OF SAMP.	MAX	MEAN	
1	12	0.8	0.5	12	0.7	0.4		12	0.6	0.2	
2	12	1.1	0.7	12	0.8	0.6		12	0.4	0.2	
3				12	1.1	0.5		12	0.5	0.2	
4	12	0.8	0.5	12	0.5	0.4		12	0.2	0.1	
5	12	0.5	0.4	12	0.6	0.4		12	0.1	0.1	
6	12	0.5	0.3	12	0.5	0.4		12	0.1	0.0	
7	12	0.8	0.5	12	0.7	0.5		12	0.2	0.1	
8	12	0.7	0.5	12	0.7	0.5		12	0.2	0.1	
9	12	0.6	0.4	12	0.7	0.5		12	0.1	0.1	
10	12	0.8	0.5	12	0.8	0.6		12	0.2	0.1	
11	12	0.6	0.4	12	1.3	0.7		12	0.2	0.1	
12	12	0.5	0.3	12	0.7	0.5		12	0.1	0.1	
13	12	1.0	0.4	12	0.5	0.4		12	0.1	0.0	
14	12	0.7	0.4	12	0.6	0.4		12	0.4	0.1	
15	12	0.9	0.6	12	0.7	0.6		12	0.4	0.2	
16	12	0.8	0.6	12	0.8	0.5		12	0.3	0.1	
17	12	1.0	0.7	12	0.9	0.6		12	0.3	0.1	
18	12	1.0	0.6	12	0.5	0.4		12	0.1	0.0	
19	12	0.7	0.5	12	0.8	0.6		12	0.2	0.1	
20	12	0.8	0.4	12	0.8	0.5		12	0.6	0.1	
21	12	1.0	0.7	12	0.7	0.5		12	0.3	0.0	
22	12	0.7	0.5	12	0.9	0.6		12	1.4	0.2	
23	12	1.7	0.8	12	1.3	0.7		12	0.8	0.2	
24	12	0.5	0.4	12	0.5	0.4		12	0.1	0.0	
25	12	0.7	0.5	12	0.7	0.5		12	0.1	0.0	
26	12	0.7	0.5	12	0.7	0.5		12	0.3	0.1	
27	12	0.7	0.4	12	0.7	0.5		12	0.3	0.1	
28	12	0.8	0.6	12	0.9	0.6		12	0.2	0.0	
29	12	1.0	0.7	12	1.3	0.9		12	0.8	0.3	
30	12	1.0	0.7	12	1.1	0.9		12	0.7	0.1	
31	12	1.1	0.7	12	1.4	1.0		12	0.8	0.3	

STA 50101R STA 50102R STA 50103R

TOTAL NO. SAMPLES	360	372	372
MAXIMUM FOR MONTH	1.7	1.4	1.4
MONTHLY MEAN	0.5	0.5	0.1

MONTH MAY 1973 LOCATION MONTREAL

SUMMARY OF SOILING INDEX LEVELS
VALEURS CONDENSEES DES INDICES DE SOUILLURE

STATION 50104C				STATION 50105C				STATION 50106R			
DAY	NO. OF SAMP.	MAX	MEAN	NO. OF SAMP.	MAX	MEAN		NO. OF SAMP.	MAX	MEAN	
1	12	1.7	0.8	12	1.1	0.6		12	1.0	0.5	
2	12	1.3	0.9	12	0.9	0.7		12	0.8	0.5	
3	12	1.6	0.7	12	1.3	0.7		12	0.6	0.3	
4	12	1.1	0.6	12	1.0	0.5		12	0.7	0.3	
5	12	0.7	0.5	12	0.7	0.4		12	0.8	0.3	
6	12	0.8	0.4	12	0.9	0.4		12	0.8	0.4	
7	12	1.2	0.6	12	0.7	0.5		12	0.5	0.2	
8	12	0.8	0.5	12	1.0	0.6		12	1.2	0.5	
9	12	0.9	0.5	12	1.1	0.5		12	0.5	0.1	
10	12	2.1	1.0	12	1.9	1.0		12	0.5	0.3	
11	12	0.9	0.5	12	1.3	0.8		12	0.6	0.2	
12	12	0.7	0.4	12	1.4	0.9		12	0.4	0.1	
13	12	0.6	0.3	12	1.2	0.7		12	1.0	0.6	
14	12	0.9	0.6	12	2.1	0.8		12	1.2	0.6	
15	12	1.1	0.6	12	0.8	0.5		12	0.8	0.4	
16	12	0.9	0.6	12	1.1	0.8		12	1.0	0.5	
17	12	1.1	0.6	12	1.1	0.6		12	0.6	0.4	
18	12	0.9	0.6	12	1.3	0.6		12	0.8	0.4	
19	12	0.8	0.6	12	1.4	0.6		12	0.8	0.3	
20	12	0.7	0.5	12	1.3	0.7		12	1.2	0.5	
21	12	0.8	0.5	12	0.9	0.6		12	0.4	0.2	
22	12	1.1	0.6	12	1.3	0.8		12	0.6	0.2	
23	12	1.4	0.8	12	1.0	0.6		12	0.5	0.2	
24	12	0.8	0.4	12	0.6	0.4		12	0.6	0.3	
25	12	0.8	0.5	12	0.8	0.6		12	0.5	0.2	
26	12	0.8	0.4	12	0.9	0.5		12	0.6	0.3	
27	12	1.1	0.7	12	3.5	0.9		12	0.6	0.3	
28	12	1.3	0.6	12	0.9	0.4		12	0.6	0.3	
29	12	1.2	0.7	12	1.7	0.8		12	0.3	0.1	
30	12	1.2	0.7	12	1.3	0.6		12	0.7	0.3	
31	12	1.9	1.0	12	1.9	1.0		12	0.5	0.2	

STA 50104C STA 50105C STA 50106R

TOTAL NO. SAMPLES	372	372	372
MAXIMUM FOR MONTH	2.1	3.5	1.2
MONTHLY MEAN	0.6	0.7	0.3

MONTH MAY 1973 LOCATION MONTREAL

SUMMARY OF SOILING INDEX LEVELS
VALEURS CONDENSEES DES INDICES DE SOUILLURE

STATION 50107R				STATION				STATION			
DAY	NO. OF SAMP.	MAX	MEAN	NO. OF SAMP.	MAX	MEAN		NO. OF SAMP.	MAX	MEAN	
1	12	4.4	1.2								
2	12	1.0	0.7								
3	12	1.4	0.7								
4	11	0.8	0.6								
5	12	0.8	0.5								
6	12	0.8	0.4								
7	12	1.0	0.7								
8	12	1.2	0.6								
9	12	0.6	0.4								
10	12	1.8	0.8								
11	12	0.8	0.5								
12											
13	12	0.7	0.4								
14	12	0.8	0.4								
15	12	0.8	0.4								
16	12	1.4	0.9								
17	12	1.0	0.6								
18	12	1.4	0.6								
19	12	0.8	0.5								
20	12	0.6	0.3								
21	12	0.8	0.4								
22	12	1.0	0.5								
23	12	1.3	0.7								
24	12	0.7	0.4								
25	12	1.2	0.7								
26	12	1.0	0.7								
27	12	1.4	0.7								
28	12	1.6	0.6								
29	12	1.2	0.5								
30	12	1.4	0.6								
31	12	3.8	1.3								

STA 50107R STA STA

TOTAL NO. SAMPLES 359
MAXIMUM FOR MONTH 4.4
MONTHLY MEAN 0.6

MONTH MAY 1973 LOCATION MONTREAL

SUMMARY OF SOILING INDEX LEVELS
VALEURS CONDENSEES DES INDICES DE SOUILLURE

STATION 50201C				STATION				STATION			
DAY	NO. OF SAMP.	MAX	MEAN	NO. OF SAMP.	MAX	MEAN		NO. OF SAMP.	MAX	MEAN	
1	12	0.9	0.4								
2	12	0.9	0.4								
3	12	0.6	0.2								
4	12	0.4	0.2								
5	12	0.6	0.2								
6	12	0.8	0.3								
7	12	0.9	0.4								
8	12	0.9	0.4								
9	12	1.0	0.3								
10	12	1.0	0.3								
11	12	0.5	0.3								
12	12	0.4	0.2								
13	12	0.4	0.2								
14	12	0.4	0.2								
15	12	0.5	0.2								
16	12	0.4	0.1								
17	12	0.6	0.2								
18	12	0.6	0.3								
19	12	0.4	0.2								
20	12	0.7	0.3								
21	12	0.6	0.2								
22	12	1.8	0.4								
23	12	0.6	0.3								
24	12	0.6	0.3								
25	12	0.4	0.1								
26	12	0.6	0.2								
27	12	0.5	0.2								
28	12	0.4	0.2								
29	12	0.6	0.3								
30	12	0.4	0.2								
31	12	0.6	0.3								

STA 50201C STA STA

TOTAL NO. SAMPLES 372
MAXIMUM FOR MONTH 1.8
MONTHLY MEAN 0.3

MONTH MAY 1973 LOCATION HULL

SUMMARY OF SOILING INDEX LEVELS
VALEURS CONDENSEES DES INDICES DE SOUILLURE

STATION 60101C				STATION 60102P				STATION 60103C			
DAY	NO. OF SAMP.	MAX	MEAN	NO. OF SAMP.	MAX	MEAN		NO. OF SAMP.	MAX	MEAN	
1	12	0.4	0.2	12	0.6	0.2		12	0.8	0.3	
2	11	0.9	0.4	12	0.4	0.2		12	1.0	0.3	
3	12	0.6	0.3	12	0.3	0.1		12	0.5	0.2	
4	12	0.6	0.3	12	0.2	0.1		12	0.7	0.3	
5	12	0.4	0.2	12	0.2	0.1		12	0.2	0.1	
6	12	0.3	0.2	12	0.3	0.1		12	0.4	0.1	
7	12	0.4	0.3	12	0.2	0.1		12	0.8	0.3	
8	12	0.6	0.3	12	0.4	0.1		12	0.6	0.2	
9	12	0.6	0.4	12	0.4	0.1		12	0.6	0.3	
10	12	0.6	0.5	12	0.4	0.2		12	0.5	0.3	
11	12	1.8	0.5	12	0.2	0.1		12	0.4	0.3	
12	12	0.2	0.1	12	0.2	0.1		12	0.4	0.2	
13	12	0.2	0.1	12	0.2	0.1		12	0.4	0.1	
14	12	0.2	0.1	12	0.2	0.1		12	0.6	0.2	
15	12	0.6	0.3	12	0.4	0.1		12	0.9	0.3	
16	12	0.9	0.4	12	0.2	0.1		12	0.4	0.2	
17	12	0.6	0.4	12	0.2	0.1		12	0.3	0.1	
18	12	0.6	0.3	12	0.4	0.1		12	0.4	0.2	
19	12	0.6	0.2	12	0.4	0.1		12	0.3	0.1	
20	12	0.6	0.2	12	0.3	0.1		12	0.7	0.2	
21	12	0.6	0.3	12	0.4	0.2		12	0.4	0.2	
22	12	0.6	0.3	12	0.5	0.2		12	0.4	0.1	
23	12	1.0	0.4	12	0.6	0.2		12	0.9	0.3	
24	12	0.6	0.2	12	0.4	0.1		12	0.4	0.2	
25	12	0.3	0.1	12	0.3	0.1		12	0.6	0.1	
26	12	0.4	0.2	12	0.4	0.1		12	0.3	0.1	
27	12	0.3	0.2	12	0.4	0.2		12	0.2	0.1	
28	12	0.8	0.3	12	0.8	0.2		6	0.2	0.1	
29	12	0.6	0.3	12	0.4	0.1					
30	12	0.6	0.2	12	0.4	0.1					
31	12	0.8	0.4	12	0.5	0.2					

	STA 60101C	STA 60102P	STA 60103C
TOTAL NO. SAMPLES	371	372	330
MAXIMUM FOR MONTH	1.8	0.8	1.0
MONTHLY MEAN	0.3	0.1	0.2

MONTH MAY 1973

LOCATION

OTTAWA

SUMMARY OF SOILING INDEX LEVELS
VALEURS CONDENSEES DES INDICES DE SOUILLURE

STATION 60201I				STATION 60204C				STATION			
DAY	NO. OF SAMP.	MAX	MEAN	NO. OF SAMP.	MAX	MEAN		NO. OF SAMP.	MAX	MEAN	
1	24	0.7	0.3	24	0.5	0.3					
2	23	0.4	0.2	23	0.4	0.2					
3	23	0.3	0.2	24	0.5	0.2					
4	24	1.1	0.3	24	0.3	0.2					
5	24	1.4	0.5	24	0.5	0.2					
6	22	0.9	0.4	23	2.0	0.2					
7	23	1.0	0.3	24	0.8	0.2					
8	24	1.1	0.3	24	0.8	0.4					
9	22	0.5	0.2	24	0.5	0.3					
10	21	0.8	0.3	24	1.5	0.5					
11	22	0.8	0.3	24	0.8	0.2					
12	24	1.1	0.5	24	0.6	0.2					
13	24	0.7	0.3	24	0.5	0.1					
14	24	0.6	0.3	24	1.0	0.4					
15	24	2.8	0.6	24	1.1	0.5					
16	24	0.9	0.5	24	1.4	0.4					
17	23	0.7	0.3	24	0.6	0.2					
18	24	1.1	0.4	24	1.2	0.5					
19	24	0.7	0.3	24	0.7	0.3					
20	24	0.6	0.3	24	0.9	0.4					
21	23	1.5	0.6	24	1.6	0.6					
22	24	1.2	0.6	24	1.2	0.6					
23	24	0.7	0.5	24	0.8	0.5					
24	24	1.1	0.4	24	0.7	0.5					
25	24	0.6	0.4	24	1.1	0.5					
26	24	0.9	0.5	24	1.0	0.6					
27	22	0.4	0.2	24	0.5	0.2					
28	23	0.6	0.3	24	0.6	0.3					
29	24	0.7	0.3	23	1.0	0.3					
30	23	1.0	0.3	24	0.7	0.3					
31	6	0.6	0.4	24	0.8	0.4					

	STA 60201I	STA 60204C	STA
TOTAL NO. SAMPLES	708	741	
MAXIMUM FOR MONTH	2.8	2.0	
MONTHLY MEAN	0.4	0.3	

MONTH MAY 1973

LOCATION

WINDSOR

SUMMARY OF SOILING INDEX LEVELS
VALEURS CONDENSEES DES INDICES DE SOUILLURE

STATION 60401C				STATION 60402R			STATION 60403I		
DAY	NO. OF SAMP.	MAX	MEAN	NO. OF SAMP.	MAX	MEAN	NO. OF SAMP.	MAX	MEAN
1	24	2.0	0.6	23	0.6	0.3	24	0.8	0.5
2	24	1.7	0.7	23	0.8	0.4	24	1.1	0.5
3	24	0.8	0.3	24	0.6	0.2	24	0.5	0.2
4	24	0.7	0.3	21	0.3	0.1	24	0.4	0.2
5	24	0.3	0.2	23	0.2	0.1	24	0.3	0.1
6	24	0.9	0.5	22	0.4	0.2	24	0.5	0.2
7	24	0.9	0.4	22	0.5	0.2	23	0.9	0.4
8	24	0.9	0.5	23	0.4	0.2	24	1.1	0.5
9	24	1.1	0.6	24	0.8	0.3	24	1.1	0.4
10	24	1.2	0.6	21	1.5	0.4	24	0.9	0.5
11	24	0.8	0.3	24	0.5	0.2	24	0.7	0.3
12	24	0.6	0.2	22	0.2	0.1	24	0.3	0.1
13	24	0.2	0.1	24	0.1	0.1	24	0.2	0.1
14	24	0.6	0.4	24	0.4	0.2	24	0.7	0.3
15	24	1.3	0.6	23	0.8	0.3	24	1.0	0.4
16	24	1.0	0.5	23	0.5	0.3	22	4.4	0.4
17	24	0.8	0.4	23	1.3	0.2	24	0.6	0.3
18	24	0.5	0.3	23	0.4	0.1	24	0.9	0.4
19	24	1.0	0.6	24	3.1	0.4	24	0.9	0.4
20	24	1.2	0.5	19	1.9	0.4	24	0.8	0.4
21	24	0.6	0.3	21	0.2	0.1	24	0.4	0.2
22	24	1.7	0.7	21	0.5	0.2	23	0.9	0.4
23	24	1.2	0.7	22	0.4	0.3	24	1.0	0.5
24	24	1.1	0.4	23	0.4	0.2	24	0.6	0.4
25	24	0.6	0.4	21	0.4	0.2	24	0.7	0.3
26	24	0.5	0.4	22	0.3	0.2	24	0.5	0.3
27	24	0.6	0.3	23	1.4	0.3	24	0.4	0.2
28	17	1.5	0.7	1	0.1	0.1	24	1.0	0.4
29	24	1.0	0.4				24	0.7	0.3
30	24	0.9	0.5				24	1.0	0.3
31	24	0.9	0.6				8	1.0	0.6

	STA 60401C	STA 60402R	STA 60403I
TOTAL NO. SAMPLES	737	609	724
MAXIMUM FOR MONTH	2.0	3.1	4.4
MONTHLY MEAN	0.4	0.2	0.3

SUMMARY OF SOILING INDEX LEVELS
VALEURS CONDENSEES DES INDICES DE SOUILLURE

STATION 60410R				STATION			STATION		
DAY	NO. OF SAMP.	MAX	MEAN	NO. OF SAMP.	MAX	MEAN	NO. OF SAMP.	MAX	MEAN
1	23	0.4	0.1						
2	24	0.4	0.2						
3	24	0.2	0.1						
4	24	0.2	0.1						
5	24	0.2	0.1						
6	20	0.3	0.1						
7	19	0.3	0.1						
8	24	0.2	0.1						
9	22	0.5	0.2						
10	21	0.6	0.2						
11	23	0.3	0.1						
12	23	0.2	0.1						
13	24	0.1	0.0						
14	24	0.3	0.1						
15	24	0.3	0.1						
16	23	0.3	0.1						
17	24	0.2	0.1						
18	24	0.2	0.1						
19	24	0.2	0.1						
20	24	0.2	0.1						
21	24	0.1	0.1						
22	24	0.2	0.1						
23	23	0.2	0.1						
24	22	0.2	0.1						
25	24	0.2	0.1						
26	24	0.1	0.1						
27	24	0.1	0.0						
28	24	0.3	0.1						
29	24	0.5	0.1						
30	24	0.3	0.1						
31	8	0.3	0.2						

	STA 60410R	STA	STA
TOTAL NO. SAMPLES	707		
MAXIMUM FOR MONTH	0.6		
MONTHLY MEAN	0.1		

SUMMARY OF SOILING INDEX LEVELS
VALEURS CONDENSEES DES INDICES DE SOUILLURE

STATION 60501C				STATION 60505R			STATION		
DAY	NO. OF SAMP.	MAX	MEAN	NO. OF SAMP.	MAX	MEAN	NO. OF SAMP.	MAX	MEAN
1	24	2.0	1.2	12	0.6	0.2			
2	24	1.2	0.4	12	1.3	0.8			
3	24	0.5	0.2	12	1.4	0.8			
4	23	0.7	0.3	12	0.8	0.5			
5	24	0.7	0.2	12	0.3	0.2			
6	24	0.6	0.3	12	1.1	0.3			
7	24	1.9	0.9	10	1.2	0.4			
8	24	2.4	1.2	12	1.3	0.4			
9	24	0.7	0.3	12	2.3	1.2			
10	24	0.7	0.4	12	2.2	1.2			
11	24	0.6	0.3	12	1.9	0.9			
12	24	0.3	0.2	12	1.0	0.4			
13	24	0.2	0.1	12	0.5	0.2			
14	24	1.1	0.5	12	1.6	0.7			
15	24	0.9	0.4	10	1.3	0.9			
16	23	0.6	0.3	12	1.9	1.2			
17	24	0.5	0.3	12	1.3	0.8			
18	24	0.7	0.4	12	1.9	0.8			
19	24	1.4	0.8	12	1.3	0.5			
20	23	1.2	0.8	12	2.6	0.6			
21	24	0.6	0.3	12	0.9	0.4			
22	24	1.0	0.4	11	1.7	0.7			
23	22	1.9	1.1	12	0.9	0.5			
24	24	1.1	0.8	12	0.7	0.3			
25	24	2.4	1.1	12	0.5	0.2			
26	24	1.4	0.8	12	0.6	0.2			
27	24	2.0	0.9	12	0.3	0.2			
28	24	2.7	1.0	12	2.3	0.5			
29	24	0.8	0.3	12	1.7	1.1			
30	24	1.4	0.7	12	0.9	0.5			
31	24	0.8	0.4	12	2.1	1.1			

	STA 60501C	STA 60505R	STA
TOTAL NO. SAMPLES	739	367	
MAXIMUM FOR MONTH	2.7	2.6	
MONTHLY MEAN	0.6	0.6	

MONTH MAY 1973

LOCATION

HAMILTON

SUMMARY OF SOILING INDEX LEVELS
VALEURS CONDENSEES DES INDICES DE SOUILLURE

STATION 60602R				STATION			STATION		
DAY	NO. OF SAMP.	MAX	MEAN	NO. OF SAMP.	MAX	MEAN	NO. OF SAMP.	MAX	MEAN
1	24	0.2	0.0						
2	24	0.4	0.2						
3	24	0.1	0.0						
4	24	0.2	0.0						
5	24	0.2	0.1						
6	24	0.2	0.1						
7	24	0.2	0.1						
8	24	0.4	0.1						
9	24	0.8	0.1						
10	24	0.1	0.1						
11	24	0.1	0.0						
12	24	0.1	0.0						
13	24	0.2	0.0						
14	24	0.7	0.1						
15	24	0.1	0.0						
16	24	0.3	0.1						
17	24	0.2	0.0						
18	24	0.3	0.1						
19	23	0.2	0.1						
20	24	0.2	0.1						
21	24	0.3	0.1						
22	24	0.3	0.1						
23	24	0.6	0.1						
24	24	0.2	0.1						
25	24	0.2	0.1						
26	23	0.5	0.1						
27	23	0.1	0.0						
28	23	0.4	0.1						
29	24	0.3	0.1						
30	23	0.3	0.2						
31	24	0.4	0.1						

	STA 60602R	STA	STA
TOTAL NO. SAMPLES	739		
MAXIMUM FOR MONTH	0.8		
MONTHLY MEAN	0.1		

MONTH MAY 1973

LOCATION

SUDBURY

SUMMARY OF SOILING INDEX LEVELS
VALEURS CONDENSEES DES INDICES DE SOUILLURE

DAY	STATION 60901C NO. OF MAX MEAN SAMP.	STATION NO. OF MAX MEAN SAMP.	STATION NO. OF MAX MEAN SAMP.
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15	NO DATA		
16			
17			
18	AVAILABLE		
19			
20			
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			
31			

STA 60901C STA STA

TOTAL NO. SAMPLES

MAXIMUM FOR MONTH

MONTHLY MEAN

MONTH MAY 1973

LOCATION

LONDON

SUMMARY OF SCILING INDEX LEVELS
VALEURS CONDENSEES DES INDICES DE SOUILLURE

DAY	STATION 61001C NO. OF MAX MEAN SAMP.	STATION NO. OF MAX MEAN SAMP.	STATION NO. OF MAX MEAN SAMP.
1	9	0.5	0.4
2	17	0.4	0.3
3	24	1.2	0.4
4	24	1.2	0.3
5	24	1.0	0.2
6	24	1.7	0.5
7	24	0.4	0.2
8	24	0.5	0.3
9	24	1.0	0.4
10	24	1.2	0.5
11	24	0.9	0.3
12	23	1.2	0.3
13	24	0.4	0.1
14	24	0.5	0.3
15	24	1.1	0.3
16	24	1.7	0.4
17	24	0.8	0.2
18	24	1.1	0.3
19	24	0.5	0.3
20	24	1.2	0.3
21	24	1.0	0.4
22	24	1.0	0.5
23	23	0.7	0.4
24	24	0.6	0.3
25	24	0.6	0.3
26	24	0.7	0.3
27	24	0.4	0.2
28	24	0.5	0.2
29	22	0.5	0.2
30	24	0.6	0.2
31	8	1.5	0.6

STA 61001C STA STA

TOTAL NO. SAMPLES 702

MAXIMUM FOR MONTH 1.7

MONTHLY MEAN 0.3

MONTH MAY 1973

LOCATION

SARNIA

SUMMARY OF SOILING INDEX LEVELS
VALEURS CONDENSEES DES INDICES DE SOUILLURE

	STATION 70101C	STATION 70102R	STATION 70103R
DAY	NO. OF MAX MEAN SAMP.	NO. OF MAX MEAN SAMP.	NO. OF MAX MEAN SAMP.
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16	NO	DATA	AVAILABLE
17			
18			
19			
20			
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			
31			

STA 70101C STA 70102R STA 70103R

TOTAL NO. SAMPLES

MAXIMUM FOR MONTH

MONTHLY MEAN

MONTH MAY 1973

LOCATION

WINNIPEG

SUMMARY OF SOILING INDEX LEVELS
VALEURS CONDENSEES DES INDICES DE SOUILLURE

	STATION 70104I	STATION	STATION
DAY	NO. OF MAX MEAN SAMP.	NO. OF MAX MEAN SAMP.	NO. OF MAX MEAN SAMP.
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16	NO	DATA	
17			
18			
19	AVAILABLE		
20			
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			
31			

STA 70104I STA STA

TOTAL NO. SAMPLES

MAXIMUM FOR MONTH

MONTHLY MEAN

MONTH MAY 1973

LOCATION

WINNIPEG

SUMMARY OF SOILING INDEX LEVELS
VALEURS CONDENSEES DES INDICES DE SOUILLURE

	STATION 80102R			STATION 80108C			STATION		
DAY	NO. OF MAX MEAN SAMP.			NO. OF MAX MEAN SAMP.			NO. OF MAX MEAN SAMP.		
1									
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									
25									
26									
27									
28									
29									
30				13	0.6	0.3			
31	12	0.3	0.2	24	0.5	0.2			

STA 80102R STA 80108C STA

TOTAL NO. SAMPLES	12	37
MAXIMUM FOR MONTH	0.3	0.6
MONTHLY MEAN	0.2	0.2

MONTH MAY 1973

LOCATION

REGINA

SUMMARY OF SOILING INDEX LEVELS
VALEURS CONDENSEES DES INDICES DE SOUILLURE

	STATION 80202C			STATION 80203R			STATION		
DAY	NO. OF MAX MEAN SAMP.			NO. OF MAX MEAN SAMP.			NO. OF MAX MEAN SAMP.		
1									
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									
25									
26									
27									
28	10	0.3	0.2	3	0.3	0.2			
29	24	0.5	0.3	24	0.2	0.1			
30	24	0.6	0.3	24	0.6	0.2			
31	24	0.4	0.3	22	0.2	0.1			

STA 80202C STA 80203R STA

TOTAL NO. SAMPLES	82	73
MAXIMUM FOR MONTH	0.6	0.6
MONTHLY MEAN	0.3	0.1

MONTH MAY 1973

LOCATION

SASKATOON

SUMMARY OF SOILING INDEX LEVELS
VALEURS CONDENSEES DES INDICES DE SOUILLURE

STATION 90113C				STATION 90115I				STATION 90118R			
DAY	NO. OF SAMP.	MAX	MEAN	NO. OF SAMP.	MAX	MEAN		NO. OF SAMP.	MAX	MEAN	
1	12	0.0	0.0	12	0.6	0.3		12	0.3	0.1	
2	12	0.5	0.2	12	0.4	0.3		12	0.2	0.1	
3	12	0.2	0.1	12	1.0	0.5		12	0.3	0.2	
4	12	0.2	0.1	12	1.3	0.5		12	0.5	0.3	
5	12	0.2	0.2	5	0.5	0.1		12	0.5	0.3	
6	12	0.2	0.1					12	0.2	0.0	
7	12	0.3	0.1					12	0.2	0.0	
8	12	0.7	0.3					12	0.3	0.1	
9	12	0.1	0.1					12	0.6	0.4	
10	12	0.3	0.1					12	0.0	0.0	
11	12	0.4	0.2					12	0.7	0.1	
12	12	0.3	0.1					12	0.0	0.0	
13	12	0.3	0.1					12	0.3	0.1	
14	12	0.6	0.4					12	1.6	0.4	
15	12	1.6	0.3	6	0.7	0.3		12	1.2	0.2	
16	12	0.3	0.0	12	0.5	0.1		12	0.2	0.0	
17	12	0.5	0.1	12	0.6	0.3		12	0.6	0.1	
18	12	0.5	0.1	12	0.6	0.3		12	0.6	0.1	
19	12	0.3	0.1	12	0.3	0.2		12	0.5	0.1	
20	12	0.0	0.0	12	0.2	0.0		12	0.2	0.1	
21	12	0.4	0.1	12	2.0	0.2		12	0.5	0.2	
22	12	0.2	0.1	12	0.6	0.3		12	0.5	0.1	
23	12	0.2	0.1	12	0.3	0.1		12	0.2	0.0	
24	12	0.3	0.1	12	0.2	0.1		12	0.3	0.1	
25	12	0.3	0.2	12	0.7	0.3		12	0.0	0.0	
26	12	0.2	0.0	12	0.7	0.2		12	0.3	0.1	
27	12	0.3	0.2	12	0.4	0.1		12	0.2	0.0	
28	12	0.8	0.3	12	0.3	0.1		12	0.5	0.0	
29	12	0.2	0.1	12	0.3	0.2		12	0.4	0.1	
30	12	0.2	0.0	12	0.6	0.2		12	0.2	0.1	
31	12	0.8	0.3	12	0.6	0.2		12	0.5	0.1	

	STA 90113C	STA 90115I	STA 90118R
TOTAL NO. SAMPLES	372	251	372
MAXIMUM FOR MONTH	1.6	2.0	1.6
MONTHLY MEAN	0.1	0.2	0.1

MONTH MAY 1973 LOCATION EDMONTON

SUMMARY OF SOILING INDEX LEVELS
VALEURS CONDENSEES DES INDICES DE SOUILLURE

STATION 90204C				STATION 90216R				STATION 90218I			
DAY	NO. OF SAMP.	MAX	MEAN	NO. OF SAMP.	MAX	MEAN		NO. OF SAMP.	MAX	MEAN	
1	12	0.2	0.1					12	0.3	0.1	
2	12	0.3	0.0					12	0.5	0.2	
3	12	0.3	0.1					12	0.4	0.1	
4	12	0.3	0.1	7	1.0	0.3		12	1.1	0.3	
5	12	0.3	0.1	12	0.1	0.0		12	0.7	0.3	
6	12	0.3	0.2	12	0.3	0.1		12	0.5	0.2	
7	12	0.3	0.1	12	0.3	0.0		12	0.7	0.2	
8	12	0.5	0.1	12	0.3	0.0		12	0.3	0.1	
9	12	0.2	0.0	12	0.4	0.1		12	0.3	0.1	
10	12	0.3	0.1	12	0.3	0.1		12	0.5	0.1	
11	12	0.2	0.1	12	0.3	0.1		12	0.3	0.1	
12	12	0.3	0.1	12	0.5	0.2		12	0.5	0.2	
13	12	0.3	0.1	12	0.2	0.1		12	0.3	0.1	
14	12	0.3	0.1	12	0.3	0.1		12	1.4	0.3	
15	12	0.3	0.1	12	0.3	0.1		12	0.9	0.3	
16	12	0.3	0.1	12	0.3	0.1		12	1.4	0.3	
17	12	0.5	0.2	12	0.8	0.2		12	0.3	0.1	
18	12	0.3	0.1	12	0.3	0.1		12	0.7	0.2	
19	12	0.2	0.1	12	0.3	0.1		12	0.8	0.2	
20	12	0.2	0.0	12	0.3	0.1		12	0.2	0.1	
21	12	0.2	0.0	12	0.3	0.1		12	0.2	0.1	
22	12	0.3	0.1	12	0.3	0.1		12	0.7	0.2	
23	12	0.1	0.0	12	0.5	0.1		12	0.5	0.2	
24	12	0.2	0.1	12	0.2	0.0		11	1.0	0.2	
25	12	0.3	0.1	12	0.3	0.1		12	0.7	0.2	
26	12	0.2	0.0	12	0.4	0.1		12	0.5	0.1	
27	12	0.3	0.1	12	0.3	0.0		12	0.8	0.2	
28	12	0.2	0.0	12	0.3	0.1		12	0.5	0.2	
29	12	0.2	0.0	12	0.2	0.1		12	0.5	0.2	
30	12	0.2	0.0	12	0.2	0.1		12	1.0	0.2	
31	12	0.3	0.1	12	0.3	0.0		12	0.7	0.2	

	STA 90204C	STA 90216R	STA 90218I
TOTAL NO. SAMPLES	372	331	371
MAXIMUM FOR MONTH	0.5	1.0	1.4
MONTHLY MEAN	0.1	0.1	0.2

MONTH MAY 1973 LOCATION CALGARY

SUMMARY OF SOILING INDEX LEVELS
VALEURS CONDENSEES DES INDICES DE SOUILLURE

STATION 00102R				STATION 00105C				STATION 00106R			
DAY	NO. OF SAMP.	MAX	MEAN	NO. OF SAMP.	MAX	MEAN		NO. OF SAMP.	MAX	MEAN	
1	12	0.9	0.5	12	1.1	0.5		12	1.0	0.5	
2	12	1.0	0.4	12	0.8	0.4		12	0.8	0.3	
3	12	0.8	0.2	12	0.7	0.3		12	0.6	0.3	
4	12	1.2	0.6	12	0.8	0.3		12	1.2	0.4	
5	12	0.9	0.3	12	0.4	0.1		12	0.7	0.2	
6	12	0.4	0.2	12	0.8	0.3		12	0.2	0.1	
7	12	0.4	0.2	12	0.6	0.2		12	0.7	0.3	
8	12	0.6	0.2	12	0.8	0.3		12	0.6	0.2	
9	12	0.6	0.2	12	0.4	0.1		12	0.4	0.2	
10	12	0.7	0.3	12	0.6	0.1		12	1.1	0.3	
11	12	0.8	0.5	12	0.4	0.3		12	0.7	0.3	
12	12	0.8	0.5	12	1.2	0.4		12	0.9	0.4	
13	12	0.8	0.4	12	0.8	0.3		12	1.0	0.5	
14	12	1.4	0.6	12	1.0	0.4		12	1.1	0.5	
15	12	1.8	0.5	12	0.6	0.4		12	0.9	0.3	
16	12	0.9	0.4	12	0.8	0.6		12	1.4	0.5	
17	12	1.4	0.4	12	1.0	0.4		12	1.0	0.3	
18	12	0.6	0.3	12	0.8	0.3		10	0.4	0.1	
19	12	0.5	0.2	12	1.0	0.2		12	0.4	0.1	
20	12	0.4	0.2	12	0.4	0.1		12	0.3	0.1	
21	12	0.6	0.2	12	0.7	0.2		12	0.6	0.2	
22	12	0.6	0.3	12	0.6	0.4		12	0.9	0.4	
23	12	0.6	0.3	4	0.7	0.4		12	0.8	0.3	
24	12	0.4	0.2	8	0.6	0.4		12	0.6	0.2	
25	12	0.8	0.4	12	0.7	0.4		12	0.8	0.2	
26	12	0.6	0.3	12	0.8	0.3		12	0.8	0.3	
27	12	0.8	0.3	12	0.6	0.3		12	0.4	0.3	
28	12	1.0	0.4	12	1.1	0.5		12	1.0	0.3	
29	12	1.2	0.9	12	1.8	1.0		12	1.2	0.7	
30	12	0.7	0.2	12	0.5	0.2		12	0.6	0.2	
31	12	0.6	0.2	12	0.8	0.2		12	0.4	0.2	

STA 00102R STA 00105C STA 00106R

TOTAL NO. SAMPLES	372	360	370
MAXIMUM FOR MONTH	1.8	1.8	1.4
MONTHLY MEAN	0.3	0.3	0.3

MONTH MAY 1973

LOCATION

VANCOUVER

SUMMARY OF SOILING INDEX LEVELS
VALEURS CONDENSEES DES INDICES DE SOUILLURE

STATION 00107I				STATION				STATION			
DAY	NO. OF SAMP.	MAX	MEAN	NO. OF SAMP.	MAX	MEAN		NO. OF SAMP.	MAX	MEAN	
1	12	1.0	0.5								
2	12	0.8	0.2								
3	12	0.4	0.2								
4	12	0.4	0.2								
5	12	0.3	0.1								
6	12	0.3	0.1								
7	12	0.6	0.1								
8	12	0.4	0.1								
9	12	0.3	0.1								
10	12	0.4	0.1								
11	12	0.4	0.2								
12	12	0.8	0.3								
13	12	0.6	0.3								
14	12	1.2	0.5								
15	12	0.6	0.2								
16	12	0.7	0.4								
17	12	1.1	0.3								
18	12	0.4	0.1								
19	12	0.2	0.1								
20	12	0.5	0.1								
21	12	0.2	0.0								
22	12	0.2	0.0								
23	12	0.4	0.1								
24	12	0.5	0.2								
25	12	0.4	0.1								
26	12	0.4	0.2								
27	12	0.4	0.2								
28	12	0.4	0.2								
29	12	1.0	0.5								
30	12	0.5	0.2								
31	12	0.6	0.2								

STA 00107I STA STA

TOTAL NO. SAMPLES	372
MAXIMUM FOR MONTH	1.2
MONTHLY MEAN	0.2

MONTH MAY 1973

LOCATION

VANCOUVER

SUMMARY OF SOILING INDEX LEVELS
VALEURS CONDENSEES DES INDICES DE SOUILLURE

STATION 00301C				STATION				STATION			
DAY	NO. OF SAMP.	MAX	MEAN	NO. OF SAMP.	MAX	MEAN		NO. OF SAMP.	MAX	MEAN	
1	12	0.8	0.4								
2	12	0.6	0.3								
3	12	0.5	0.2								
4	12	1.1	0.3								
5	12	0.6	0.2								
6	12	0.4	0.1								
7	12	1.1	0.5								
8	12	0.7	0.3								
9	12	0.8	0.3								
10	12	0.7	0.2								
11	12	0.5	0.2								
12	12	0.8	0.3								
13	12	0.6	0.3								
14	12	0.5	0.2								
15	12	0.4	0.2								
16	12	0.5	0.2								
17	12	0.5	0.2								
18	12	0.7	0.1								
19	12	0.4	0.1								
20	12	0.3	0.1								
21	12	0.5	0.2								
22	12	0.6	0.2								
23	12	0.4	0.2								
24	12	0.5	0.2								
25	12	0.4	0.1								
26	12	0.5	0.1								
27	12	0.4	0.2								
28	12	0.6	0.1								
29	12	0.6	0.2								
30	12	0.5	0.2								
31	12	0.5	0.3								

STA 00301C STA STA

TOTAL NO. SAMPLES 372
MAXIMUM FOR MONTH 1.1
MONTHLY MEAN 0.2

MONTH MAY 1973

LOCATION

VICTORIA

SUSPENDED PARTICULATES AND LEAD

A high volume sampler is used to determine the concentration of suspended particulates in the air. The sampler is operated continuously for a 24 hour period at a flow rate of approximately 40 cubic feet per minute. This large volume of air is drawn through a preweighed glass fibre filter. The filter is removed and weighed to determine the amount of the suspended particulates deposited. In most cases, the filters are subsequently analyzed by atomic absorption to determine the lead content of the particulates. The units of measurement are micrograms per cubic meter of air.

PARTICULES EN SUSPENSION ET LE PLOMB

Un échantillonneur à grand débit est utilisé pour déterminer la concentration de particules en suspension dans l'atmosphère. L'air est aspiré à un débit d'environ 40 pieds cubes par minute à travers un filtre de fibre de verre qui capte les particules en suspension. Après une période de 24 heures, le filtre, qui avait été pesé avant son utilisation, est enlevé et pesé à nouveau afin de déterminer la quantité de particules recueillies.

Dans la plupart des cas, les filtres sont ensuite analysés par la méthode d'absorption atomique pour déterminer la teneur en plomb de ces particules. Les résultats sont exprimés en microgrammes par mètre cube d'air.

STATIONS MEASURING SUSPENDED PARTICULATES
STATIONS MESURANT LES PARTICULES EN SUSPENSION

10101	C,F	30	ST. JOHN'S, DUCKWORTH AND ORDINANCE
20101	C,F	30	CHARLOTTETOWN, KENT AND QUEEN
30101	C,F	40	HALIFAX, N.S. TECHNICAL COLLEGE
30102	R,F	40	HALIFAX, DALHOUSIE UNIVERSITY
30310	C,F	5	SYDNEY, COUNTY JAIL
40101	C,F	20	FREDERICTON, WOODSTOCK ROAD
40201	C,F	58	SAINT JOHN, 110 CHARLOTTE ST.
40301	C,F	30	MONCTON, POST OFFICE
50102	R,F	10	MONTREAL, BOTANICAL GARDENS
50103	R,F	15	MONTREAL, POINTE AUX TREMBLES
50105	C,F	35	MONTREAL, 1212 DRUMMOND
50106	R,F	10	MONTREAL, VILLE ST LAURENT
50107	R,F	15	MONTREAL, VILLE LASALLE
50108	R,P	35	MONTREAL, 1700 BOURASSA (LONGUEUIL)
50109	R,F	10	MONTREAL, DUNCAN AND DECARIE
50201	C,F	30	HULL, RUE PRINCIPALE
50301	C,F	50	QUEBEC, PARC-AUTOS PAQUET-LALIBERTE
50302	R,F	15	QUEBEC, PARC-BARDY
50303	I,F	40	QUEBEC, CENTRE DE LOISIRS LIMOILLOU
50401	C,F	30	SHERBROOKE, MARCHE PUBLIC
50402	R,F	30	SHERBROOKE, CASERNE DE POMPIERS #5
50501	C,F	40	CHICOUTIMI, CITY HALL
50502	R,F	15	CHICOUTIMI, FILTRATION WORKS
60101	C,F	53	OTTAWA, SLATER AND ELGIN

60201	I,F	12	WINDSOR, MOPTON TERMINAL DOCK
60202	C,F	50	WINDSOR, CITY HALL
60203	R,F	10	WINDSOR-TECUMSEH WATER WORKS
60301	R,F	60	KINGSTON, QUEEN'S UNIVERSITY
60401	C,P	65	TORONTO, 67 COLLEGE STREET
60403	I,P	9	TORONTO, ETOBICOKE, EVANS-ARNOLD
60409	R,P	10	TORONTO, REDLANDS CRESCENT
60501	C,P	12	HAMILTON, BARTON AND WENTWORTH
60503	R,P	15	HAMILTON, CHATHAM-FRID
60505	R,P	25	HAMILTON, NORTH PARK
60602	R,P	12	SUDBURY, ASH STREET
60605	C,P	30	SUDBURY, 19 LISGAR ST.
60701	C,P	40	SAULT STE. MARIE, PROV. ONT. BLDG.
60801	C,P	40	THUNDER BAY, 14 ALGOMA STREET
60901	C,P	13	LONDON, KING-RECTORY
60902	C,P	55	LONDON, 371 DUNDAS
61001	C,P	12	SARNIA, 156 VICTORIA ST.
61102	C,P	10	PETERBOROUGH, 139 GEORGE ST.
70101	C,F	57	WINNIPEG, KENNEDY ST. & YORK AVE.
70102	R,F	23	WINNIPEG, PORTAGE AT WOODLAWN
70103	R,F	27	WINNIPEG, HARTFORD AT MAIN
70104	I,F	50	WINNIPEG, UNION STOCK YARDS
80102	R,F	15	REGINA, 3211 ALBERT STREET
80108	C,F	40	REGINA, 12TH AND SMITH
80202	C,F	33	SASKATOON, CITY LIBRARY
80203	R,F	43	SASKATOON, MOUNT ROYAL LODGE

80301	C,F	45	MOOSE JAW, TELEPHONE BLDG.
80401	C,F	44	PRINCE ALBERT, 49-12TH ST. EAST
90101	C,F	50	EDMONTON, 98TH AND JASPER
90102	I,F	4	EDMONTON, 46TH ST. AND 104TH AVE.
90103	R,F	15	EDMONTON, 146TH ST. AND 92ND AVE.
90201	I,F	50	CALGARY, 6411 20TH ST., S.E.
90203	R,F	4	CALGARY, 407 31 AVE., N.W.
90204	C,F	4	CALGARY, 7TH AVE. AND 2ND ST., S.E.
90301	C,F	40	RED DEER, 4720 49TH STREET
90401	C,F	20	MEDICINE HAT, 770 FIRST ST. S.E.
90501	C,F	50	LETHBRIDGE, 13 ST. AND 9 AVE. S.
99001	C,F	35	YELLOWKNIFE, 50TH AVE. & 51ST ST.
00102	R,F	15	VANCOUVER, 100 RICHMOND ST.
00104	R,F	60	VANCOUVER, 27TH AND ONTARIO
00105	C,F	75	VANCOUVER, 739 W. HASTINGS ST.
00106	R,F	55	VANCOUVER, 2294 W. 10TH AVE.
00107	I,F	20	VANCOUVER, 75 RIVERSIDE DR.
00201	C,F	35	PRINCE GEORGE, POST OFFICE
00301	C,F	30	VICTORIA, POLICE STN. (FISGUARD)

SUMMARY OF SUSPENDED PARTICULATES AND LEAD
VALEURS CONDENSEES DES PARTICULES EN SUSPENSION (PB INCLUS)

DATE	10101C		STATION			
	S.P.	LEAD	S.P.	LEAD	S.P.	LEAD
1	66	1.2				
7						
13						
19	40	0.8				
25	71	1.2				
31	63	0.9				
NO. SAMPLES	4	4				
MAX.	71	1.2				
MEAN	60	1.0				

SUMMARY OF SUSPENDED PARTICULATES AND LEAD
VALEURS CONDENSEES DES PARTICULES EN SUSPENSION (PB INCLUS)

DATE	20101C		STATION	
	S.P.	LEAD	S.P.	LEAD
1				
7				
13	NO DATA AVAILABLE			
19				
25				
31				

NO. SAMPLES

MAX.

MEAN

MONTH MAY 1973

LOCATION CHARLOTTETOWN

SUMMARY OF SUSPENDED PARTICULATES AND LEAD
VALEURS CONDENSEES DES PARTICULES EN SUSPENSION (PB INCLUS)

DATE	30101C		STATION	
	S.P.	LEAD	S.P.	LEAD
1	88	0.7	35	0.4
7	91	0.5	55	0.3
13	45	0.3	25	0.2
19	28	0.2	25	0.2
25	46	0.5	30	0.5
31	35	0.3	28	0.2

NO. SAMPLES

MAX.

MEAN

MONTH MAY 1973

LOCATION HALIFAX

SUMMARY OF SUSPENDED PARTICULATES AND LEAD
VALEURS CONDENSEES DES PARTICULES EN SUSPENSION (PB INCLUS)

DATE	STATION					
	30310C					
	S.P.	LEAD	S.P.	LEAD	S.P.	LEAD
5	40	0.5				
15	81	0.6				
20	73	0.6				
25	35	0.2				
30	72	0.6				

NO. SAMPLES	5	5
MAX.	81	0.6
MEAN	60	0.5

MONTH MAY 1973

LOCATION

SYDNEY

SUMMARY OF SUSPENDED PARTICULATES AND LEAD
VALEURS CONDENSEES DES PARTICULES EN SUSPENSION (PB INCLUS)

DATE	STATION					
	40101C					
	S.P.	LEAD	S.P.	LEAD	S.P.	LEAD
1	22	0.1				
7	31	0.2				
13						
19						
25	11	0.0				
31	57	0.7				

NO. SAMPLES	4	4
MAX.	57	0.7
MEAN	30	0.3

MONTH MAY 1973

LOCATION

FREDERICTON

SUMMARY OF SUSPENDED PARTICULATES AND LEAD
VALEURS CONDENSEES DES PARTICULES EN SUSPENSION (PB INCLUS)

DATE	STATION					
	40201C					
	S.P.	LEAD	S.P.	LEAD	S.P.	LEAD
1	56	0.7				
7	60	0.5				
13	41	0.4				
19	48	0.4				
25	46	0.6				
31	51	0.7				

NO. SAMPLES	6	6
MAX.	60	0.7
MEAN	50	0.6

MONTH MAY 1973

LOCATION

SAINT JOHN

SUMMARY OF SUSPENDED PARTICULATES AND LEAD
VALEURS CONDENSEES DES PARTICULES EN SUSPENSION (PB INCLUS)

DATE	STATION					
	40301C					
	S.P.	LEAD	S.P.	LEAD	S.P.	LEAD
1	78	0.7				
7	41	0.3				
13	41	0.3				
19	73	0.4				
25	52	0.4				
31	106	0.8				

NO. SAMPLES	6	6
MAX.	106	0.8
MEAN	65	0.5

MONTH MAY 1973

LOCATION

MONCTON

SUMMARY OF SUSPENDED PARTICULATES AND LEAD
VALEURS CONDENSEES DES PARTICULES EN SUSPENSION (PB INCLUS)

DATE	STATION					
	50102R		50103R		50105C	
	S.P.	LEAD	S.P.	LEAD	S.P.	LEAD
1	70		82		197	2.5
7	79	0.8	81	0.9	74	1.2
13	71	1.1	39	0.5	90	1.3
19	46	0.7	56	0.8	110	1.6
25			77	1.2	93	4.4
31			131	1.6	132	2.3

NO. SAMPLES	4	3	6	5	6	6
MAX.	79	1.1	131	1.6	197	4.4
MEAN	67	0.9	78	1.0	116	2.2

MONTH MAY 1973

LOCATION

MONTREAL

SUMMARY OF SUSPENDED PARTICULATES AND LEAD
VALEURS CONDENSEES DES PARTICULES EN SUSPENSION (PB INCLUS)

DATE	STATION					
	50106R		50107R		50108R	
	S.P.	LEAD	S.P.	LEAD	S.P.	LEAD
1	110	1.0	227	4.7	52	
7	75	1.2	151	1.7	52	0.6
13	223	1.8			33	0.4
19	83	5.1	80	0.9	66	1.3
25	113	1.4	93	0.6	58	0.4
31	127	2.1	161	2.1		

NO. SAMPLES	6	6	5	5	5	4
MAX.	223	5.1	227	4.7	66	1.3
MEAN	122	2.1	142	2.0	52	0.7

MONTH MAY 1973

LOCATION

MONTREAL

SUMMARY OF SUSPENDED PARTICULATES AND LEAD
VALEURS CONDENSEES DES PARTICULES EN SUSPENSION (PB INCLUS)

DATE	STATION					
	50109R					
	S.P.	LEAD	S.P.	LEAD	S.P.	LEAD
1	72	1.1				
7	108	1.1				
13						
19	99	1.6				
25	192	0.8				
31	126	1.5				

NO. SAMPLES	5	5
MAX.	192	1.6
MEAN	119	1.2

MONTH MAY 1973 LOCATION MONTREAL

SUMMARY OF SUSPENDED PARTICULATES AND LEAD
VALEURS CONDENSEES DES PARTICULES EN SUSPENSION (PB INCLUS)

DATE	STATION					
	50201C					
	S.P.	LEAD	S.P.	LEAD	S.P.	LEAD
1	102	1.2				
7						
13	121	0.4				
19	43	0.7				
25						
31	137	1.5				

NO. SAMPLES	4	4
MAX.	137	1.5
MEAN	101	0.9

MONTH MAY 1973 LOCATION HULL

SUMMARY OF SUSPENDED PARTICULATES AND LEAD
VALEURS CONDENSEES DES PARTICULES EN SUSPENSION (PB INCLUS)

DATE	STATION					
	50301C		50302R		50303I	
	S.P.	LEAD	S.P.	LEAD	S.P.	LEAD
1	205	0.5	57	0.3	139	0.5
7	110	0.5	50	0.3	99	0.5
13	89	0.9	45	0.6	56	0.6
19	229	0.5			184	0.4
25	149	0.4	60	0.3		
31	270	1.7			212	1.5
NO. SAMPLES	6	6	4	4	5	5
MAX.	270	1.7	60	0.6	212	1.5
MEAN	175	0.7	53	0.4	138	0.7

MONTH MAY 1973

LOCATION

QUEBEC

SUMMARY OF SUSPENDED PARTICULATES AND LEAD
VALEURS CONDENSEES DES PARTICULES EN SUSPENSION (PB INCLUS)

DATE	STATION					
	50401C		50402R			
	S.P.	LEAD	S.P.	LEAD	S.P.	LEAD
1			109	0.9		
7			85	1.2		
13	NO DATA		47	0.4		
19	AVAILABLE		42	0.6		
25			125	1.6		
31						
NO. SAMPLES			5	5		
MAX.			125	1.6		
MEAN			82	1.0		

MONTH MAY 1973

LOCATION

SHERBROOKE

SUMMARY OF SUSPENDED PARTICULATES AND LEAD
VALEURS CONDENSEES DES PARTICULES EN SUSPENSION (PB INCLUS)

DATE	STATION					
	50501C		50502R			
	S.P.	LEAD	S.P.	LEAD	S.P.	LEAD
2	40	0.4	16	0.1		
7	91	0.5	22	0.1		
13	45	0.9	29	0.1		
19			21	0.1		
25						
31						

NO. SAMPLES	3	3	4	4		
MAX.	91	0.9	29	0.1		
MEAN	59	0.6	22	0.1		

MONTH MAY 1973

LOCATION

CHICOUTIMI

SUMMARY OF SUSPENDED PARTICULATES AND LEAD
VALEURS CONDENSEES DES PARTICULES EN SUSPENSION (PB INCLUS)

DATE	STATION					
	60101C					
	S.P.	LEAD	S.P.	LEAD	S.P.	LEAD
1	106	1.5				
7	96	1.0				
13	46	0.3				
19	56	1.0				
25	98	1.0				
31	109	1.8				

NO. SAMPLES	6	6				
MAX.	109	1.8				
MEAN	85	1.1				

MONTH MAY 1973

LOCATION

OTTAWA

SUMMARY OF SUSPENDED PARTICULATES AND LEAD
VALEURS CONDENSEES DES PARTICULES EN SUSPENSION (PB INCLUS)

DATE	STATION					
	60201I		60202C		60203R	
	S.P.	LEAD	S.P.	LEAD	S.P.	LEAD
1	108	0.3	109	0.6	66	0.3
7	164	0.9	127	0.8	76	0.3
13	56	0.3	43	0.8	43	0.6
19	103	0.5	114	0.9		
25	86	0.6			76	0.4
31	87	0.6	190	1.2	101	0.6
NO. SAMPLES	6	6	5	5	5	5
MAX.	164	0.9	190	1.2	101	0.6
MEAN	101	0.5	116	0.9	72	0.4

MONTH MAY 1973

LOCATION

WINDSOR

SUMMARY OF SUSPENDED PARTICULATES AND LEAD
VALEURS CCNDENSEES DES PARTICULES EN SUSPENSION (PB INCLUS)

DATE	STATION					
	60301R					
	S.P.	LEAD	S.P.	LEAD	S.P.	LEAD
1	30	0.3				
7	34	0.2				
13	17	0.1				
19	23	0.2				
25	49	0.3				
31	39	0.3				
NO. SAMPLES	6	6				
MAX.	49	0.3				
MEAN	32	0.2				

MONTH MAY 1973

LOCATION

KINGSTON

SUMMARY OF SUSPENDED PARTICULATES AND LEAD
VALEURS CONDENSEES DES PARTICULES EN SUSPENSION (PB INCLUS)

DATE	STATION					
	60401C		60403I		60409R	
	S.P.	LEAD	S.P.	LEAD	S.P.	LEAD
1			87			
3	100	1.3				
5					56	
7	146	1.4	194			
8	69	1.4				
13			37		24	
15	99	1.8				
19			111			
21	68	0.7			49	0.3
25	120	1.7	102			
29					68	0.9
31	129	2.4				
NO. SAMPLES	7	7	5		4	2
MAX.	146	2.4	194		68	0.9
MEAN	104	1.5	106		49	0.6

MONTH MAY 1973

LOCATION

TORONTO

SUMMARY OF SUSPENDED PARTICULATES AND LEAD
VALEURS CONDENSEES DES PARTICULES EN SUSPENSION (PB INCLUS)

DATE	STATION					
	60501C		60503R		60505R	
	S.P.	LEAD	S.P.	LEAD	S.P.	LEAD
5			137		63	
6	137	1.2				
13	62	0.8	70		64	
15	225	3.5				
21	80	0.7	136		88	
29	123		176		127	
NO. SAMPLES	5	4	4		4	
MAX.	225	3.5	176		127	
MEAN	125	1.6	130		86	

MONTH MAY 1973

LOCATION

HAMILTON

SUMMARY OF SUSPENDED PARTICULATES AND LEAD
VALEURS CONDENSEES DES PARTICULES EN SUSPENSION (PB INCLUS)

DATE	STATION					
	60602R		60605C			
	S.P.	LEAD	S.P.	LEAD	S.P.	LEAD
5			42	0.9		
13	18	0.1	39	0.6		
19	59					
21			104			
25	96					
31	69					
NO. SAMPLES	4	1	3	2		
MAX.	96		104	0.9		
MEAN	61		62	0.8		

MONTH MAY 1973

LOCATION

SUDBURY

SUMMARY OF SUSPENDED PARTICULATES AND LEAD
VALEURS CONDENSEES DES PARTICULES EN SUSPENSION (PB INCLUS)

DATE	STATION					
	60701C					
	S.P.	LEAD	S.P.	LEAD	S.P.	LEAD
5	74	0.8				
13	43	0.3				
21	89	0.5				
29	74	0.7				
NO. SAMPLES	4	4				
MAX.	89	0.8				
MEAN	70	0.6				

MONTH MAY 1973

LOCATION SAULT STE. MARIE

SUMMARY OF SUSPENDED PARTICULATES AND LEAD
VALEURS CONDENSEES DES PARTICULES EN SUSPENSION (PB INCLUS)

DATE	STATION					
	60801C					
	S.P.	LEAD	S.P.	LEAD	S.P.	LEAD
5	148	0.9				
13	54	0.5				
21	61	0.5				
29	81	0.5				

NO. SAMPLES	4	4
MAX.	148	0.9
MEAN	86	0.6

SUMMARY OF SUSPENDED PARTICULATES AND LEAD
VALEURS CONDENSEES DES PARTICULES EN SUSPENSION (PB INCLUS)

DATE	STATION					
	60901C		60902C			
	S.P.	LEAD	S.P.	LEAD	S.P.	LEAD
4	45	0.6	32			
10	130	1.2	102			
16	256	1.1	153			
22	212	0.9	115			
28	93		80			

NO. SAMPLES	5	4	5
MAX.	256	1.2	153
MEAN	147	1.0	96

SUMMARY OF SUSPENDED PARTICULATES AND LEAD
VALEURS CONDENSEES DES PARTICULES EN SUSPENSION (PB INCLUS)

DATE	STATION					
	61001C					
	S.P.	LEAD	S.P.	LEAD	S.P.	LEAD
3	64	0.5				
7	103	0.5				
13	48	0.5				
17	92	1.0				
20	111	0.7				
21	140	1.3				
27	64	0.3				
31	129	1.0				

NO. SAMPLES	8	8
MAX.	140	1.3
MEAN	94	0.7

MONTH MAY 1973

LOCATION

SARNIA

SUMMARY OF SUSPENDED PARTICULATES AND LEAD
VALEURS CONDENSEES DES PARTICULES EN SUSPENSION (PB INCLUS)

DATE	STATION					
	61102C					
	S.P.	LEAD	S.P.	LEAD	S.P.	LEAD
5	55	0.6				
13	39	0.2				
21	70	0.3				
29	70	0.8				

NO. SAMPLES	4	4
MAX.	70	0.8
MEAN	59	0.5

MONTH MAY 1973

LOCATION

PETERBOROUGH

SUMMARY OF SUSPENDED PARTICULATES AND LEAD
VALEURS CONDENSEES DES PARTICULES EN SUSPENSION (PB INCLUS)

DATE	STATION					
	70101C		70102R		70103R	
	S.P.	LEAD	S.P.	LEAD	S.P.	LEAD
1	93	0.6	53	0.3	57	0.3
7	96	0.7	52	0.5	88	2.2
13	55	0.3	54	4.8	37	0.2
19	79	0.4	53	0.3	74	0.7
25			31	0.6	26	0.7
31	133	0.7	137	6.4	77	0.7

NO. SAMPLES	5	5	6	6	6	6
MAX.	133	0.7	137	6.4	88	2.2
MEAN	91	0.5	63	2.2	60	0.8

SUMMARY OF SUSPENDED PARTICULATES AND LEAD
VALEURS CONDENSEES DES PARTICULES EN SUSPENSION (PB INCLUS)

DATE	STATION					
	70104I					
	S.P.	LEAD	S.P.	LEAD	S.P.	LEAD
1	128	0.3				
7	137	0.9				
13	69	0.1				
19	53	0.3				
25	34	0.3				
31	98	0.4				

NO. SAMPLES	6	6
MAX.	137	0.9
MEAN	87	0.4

SUMMARY OF SUSPENDED PARTICULATES AND LEAD
VALEURS CONDENSEES DES PARTICULES EN SUSPENSION (PB INCLUS)

DATE	STATION					
	80102R		80108C			
	S.P.	LEAD	S.P.	LEAD	S.P.	LEAD
1	65	0.2	131	0.4		
7	53	0.4	103	0.6		
13	41	0.1	39	0.2		
19	68	0.2	101	0.3		
25	40	0.1	112	0.4		
31	78	0.1	100	0.4		

NO. SAMPLES	6	6	6	6
MAX.	78	0.4	131	0.6
MEAN	57	0.2	98	0.4

MONTH MAY 1973

LOCATION

REGINA

SUMMARY OF SUSPENDED PARTICULATES AND LEAD
VALEURS CONDENSEES DES PARTICULES EN SUSPENSION (PB INCLUS)

DATE	STATION					
	80202C		80203R			
	S.P.	LEAD	S.P.	LEAD	S.P.	LEAD
1	141	0.6	85	0.3		
7	102	0.5	82	0.3		
13	61	0.1	60	0.1		
19	126	0.2	106	0.2		
25	73	0.2	71	0.0		
31	148	0.4	166	0.2		

NO. SAMPLES	6	6	6	6
MAX.	148	0.6	166	0.3
MEAN	108	0.3	95	0.2

MONTH MAY 1973

LOCATION

SASKATOON

SUMMARY OF SUSPENDED PARTICULATES AND LEAD
VALEURS CONDENSEES DES PARTICULES EN SUSPENSION (PB INCLUS)

DATE	STATION					
	80301C					
	S.P.	LEAD	S.P.	LEAD	S.P.	LEAD
1	165	0.4				
7	96	0.3				
13	96	0.3				
19	125	0.3				
25	93	0.3				
31	119	0.2				

NO. SAMPLES	6	6
MAX.	165	0.4
MEAN	116	0.3

SUMMARY OF SUSPENDED PARTICULATES AND LEAD
VALEURS CONDENSEES DES PARTICULES EN SUSPENSION (PB INCLUS)

DATE	STATION					
	80401C					
	S.P.	LEAD	S.P.	LEAD	S.P.	LEAD
1	313	0.4				
7	191	0.4				
13	129	0.1				
19	143	0.2				
25	92	0.1				
31	275	0.1				

NO. SAMPLES	6	6
MAX.	313	0.4
MEAN	190	0.2

SUMMARY OF SUSPENDED PARTICULATES AND LEAD
VALEURS CONDENSEES DES PARTICULES EN SUSPENSION (PB INCLUS)

DATE	STATION					
	90101C		90102I		90103R	
	S.P.	LEAD	S.P.	LEAD	S.P.	LEAD
1	87	0.2	25	0.2	39	0.1
7	78	0.1	58	0.1	55	0.1
13	92	0.0	49	0.0	81	0.1
19	57	0.2	69	0.0	60	0.1
25	79	0.1	122	0.1	133	0.2
31	86	0.2	86	0.0	58	0.1
NO. SAMPLES	6	6	6	6	6	6
MAX.	92	0.2	122	0.2	133	0.2
MEAN	80	0.1	68	0.1	71	0.1

SUMMARY OF SUSPENDED PARTICULATES AND LEAD
VALEURS CONDENSEES DES PARTICULES EN SUSPENSION (PB INCLUS)

DATE	STATION					
	90201I		90203R		90204C	
	S.P.	LEAD	S.P.	LEAD	S.P.	LEAD
1	77	0.0	114	0.1	214	0.3
7	61	0.0	61	0.1	115	0.2
13			161	0.3	181	0.1
19	126	0.0	106	0.0	146	0.2
25	43	0.1	65	0.2	130	0.1
31	96	0.0				

NO. SAMPLES	5	5	5	5	5	5
MAX.	126	0.1	161	0.3	214	0.3
MEAN	81	0.0	101	0.1	157	0.2

SUMMARY OF SUSPENDED PARTICULATES AND LEAD
VALEURS CONDENSEES DES PARTICULES EN SUSPENSION (PB INCLUS)

DATE	STATION					
	90301C					
	S.P.	LEAD	S.P.	LEAD	S.P.	LEAD
1						
7	88	0.1				
13	98	0.2				
19	110	0.1				
25	107	0.1				
31	140	0.0				

NO. SAMPLES	5	5
MAX.	140	0.2
MEAN	109	0.1

MONTH MAY 1973

LOCATION

RED DEER

SUMMARY OF SUSPENDED PARTICULATES AND LEAD
VALEURS CONDENSEES DES PARTICULES EN SUSPENSION (PB INCLUS)

DATE	STATION					
	90401C					
	S.P.	LEAD	S.P.	LEAD	S.P.	LEAD
1	72	0.3				
7	47	0.2				
13	78	0.3				
19	96	0.1				
25	31	0.1				
31	48	0.1				

NO. SAMPLES	6	6
MAX.	96	0.3
MEAN	62	0.2

MONTH MAY 1973

LOCATION

MEDICINE HAT

SUMMARY OF SUSPENDED PARTICULATES AND LEAD
VALEURS CONDENSEES DES PARTICULES EN SUSPENSION (PB INCLUS)

DATE	STATION					
	90501C					
	S.P.	LEAD	S.P.	LEAD	S.P.	LEAD
1						
7						
13	NO DATA AVAILABLE					
19						
25						
31						

NO. SAMPLES

MAX.

MEAN

MONTH MAY 1973

LOCATION

LETHBRIDGE

SUMMARY OF SUSPENDED PARTICULATES AND LEAD
VALEURS CONDENSEES DES PARTICULES EN SUSPENSION (PB INCLUS)

DATE	STATION					
	99001C					
	S.P.	LEAD	S.P.	LEAD	S.P.	LEAD
1	109	0.1				
7	79	0.3				
13	115	0.0				
19	92	0.1				
25	105	0.0				
31	147	0.2				

NO. SAMPLES

6 6

MAX.

147 0.3

MEAN

108 0.1

MONTH MAY 1973

LOCATION

YELLOWKNIFE

SUMMARY OF SUSPENDED PARTICULATES AND LEAD
VALEURS CONDENSEES DES PARTICULES EN SUSPENSION (PB INCLUS)

DATE	STATION					
	00102R		00104R		00105C	
	S.P.	LEAD	S.P.	LEAD	S.P.	LEAD
1	161	1.2	101	1.0	131	1.3
7	50	0.4	33	0.5	49	0.7
13	93	2.0	71	1.3	78	1.0
19	54	0.4	46	0.3	61	0.5
25	85	0.9	39	0.5	50	0.7
31	57	0.6	39	0.2	49	0.7

NO. SAMPLES	6	6	6	6	6	6
MAX.	161	2.0	101	1.3	131	1.3
MEAN	83	0.9	55	0.6	70	0.8

SUMMARY OF SUSPENDED PARTICULATES AND LEAD
VALEURS CONDENSEES DES PARTICULES EN SUSPENSION (PB INCLUS)

DATE	STATION					
	00106R		00107I			
	S.P.	LEAD	S.P.	LEAD	S.P.	LEAD
1	111	1.3	151	0.9		
7	42	0.8	63	0.3		
13	71	1.4	76	0.6		
19	42	0.3				
25	36	0.7	45	0.4		
31	36	0.2	70	0.7		

NO. SAMPLES	6	6	5	5		
MAX.	111	1.4	151	0.9		
MEAN	56	0.8	81	0.6		

SUMMARY OF SUSPENDED PARTICULATES AND LEAD
VALEURS CONDENSEES DES PARTICULES EN SUSPENSION (PB INCLUS)

DATE	STATION					
	00201C					
	S.P.	LEAD	S.P.	LEAD	S.P.	LEAD
1	256	1.0				
7						
13	210	1.1				
19						
25						
31						
NO. SAMPLES	2	2				
MAX.	256	1.1				
MEAN	233	1.0				

MONTH MAY 1973

LOCATION PRINCE GEORGE

SUMMARY OF SUSPENDED PARTICULATES AND LEAD
VALEURS CONDENSEES DES PARTICULES EN SUSPENSION (PB INCLUS)

DATE	STATION					
	00301C					
	S.P.	LEAD	S.P.	LEAD	S.P.	LEAD
1	54	0.5				
7	33	0.5				
13	51	1.1				
19	60	0.3				
25	42	0.4				
31	57	0.4				
NO. SAMPLES	6	6				
MAX.	60	1.1				
MEAN	50	0.5				

MONTH MAY 1973

LOCATION

VICTORIA

DUSTFALL

Dustfall comprises the larger size particulates which settle out under the influence of gravity. It is measured by exposing open top vessels of specified dimensions for a period of 30 days. The total dustfall is weighed. Dustfall results are expressed in units of tons per square mile per month.

SULFATION RATE

The sulfation rate is measured by exposing lead peroxide candles or plates of specified surface area to the ambient air for a 30 day period. The candles or plates react with sulfur compounds in the atmosphere producing lead sulfate. Results are expressed as milligrams of SO_3 per 100 cm^2 per day.

RETOMBÉES DE POUSSIÈRES

Cette catégorie comprend les particules trop grosses pour demeurer en suspension dans l'atmosphère. On les capte en exposant, durant une période de 30 jours, des récipients de dimensions déterminées et ouverts au sommet. Les poussières recueillies sont d'abord pesées. Les résultats sont exprimés en tonnes par mille carré par mois.

INDICE DE FORMATION DE SULFATE

L'indice de formation de sulfate est mesuré en exposant, pendant une période de 30 jours, des bougies ou des plaques de peroxyde de plomb ayant une surface déterminée. Les bougies ou les plaques réagissent avec les composés de soufre de l'atmosphère pour produire de sulfate de plomb. Les résultats sont exprimés en milligrammes de SO_3 par 100 cm^2 par jour.

STATIONS MEASURING DUSTFALL

STATIONS MESURANT LES RETOMBÉES DE POUSSIÈRES ATMOSPHERIQUES

* DENOTES STATIONS MEASURING SULPHATION RATE (**-HUEY PLATE)

SIGNIFIE STATIONS MESURANT L'INDICE DE FORMATION DE SULFATE

30101	C*	40	HALIFAX, N.S. TECHNICAL COLLEGE
30102	R*	40	HALIFAX, DALHOUSIE UNIVERSITY
30105	R*	60	HALIFAX, ST. MARY'S
30106	R*	45	HALIFAX, FAIRVIEW SCHOOL
30108	C*	90	HALIFAX, FEDERAL BUILDING
30109	R*	30	HALIFAX, TELEPHONE BUILDING
30301	R**	12	SYDNEY, MURPHY ROAD
30302	I**	12	SYDNEY, SYDNEY STEEL CORPORATION
30309	I**	12	SYDNEY, PT. EDWARD, RICHMOND PLASTICS
30311	R**	12	SYDNEY, WHITNEY PIER FIRE STN.
30401	R**	12	GLACE BAY, LAKE ROAD
30405	C**	12	GLACE BAY, GENERAL HOSPITAL
30406	I**	12	GLACE BAY, PUMPING STATION ROAD
50101	R*	10	MONTREAL, JARRY PARK
50102	R*	10	MONTREAL, BOTANICAL GARDENS
50103	R*	15	MONTREAL, POINTE AUX TREMBLES
50106	R*	10	MONTREAL, VILLE ST. LAURENT
50107	R*	15	MONTREAL, VILLE LASALLE
50201	C	30	HULL, RUE PRINCIPALE
60101	C	53	OTTAWA, SLATER AND ELGIN
60102	R	6	OTTAWA, EXPERIMENTAL FARM
60103	C	40	OTTAWA, GILMOUR STREET

60201	I	12	WINDSOR, MORTON TERMINAL DOCK
60202	C	50	WINDSOR, CITY HALL
60203	R	6	WINDSOR-TECUMSEH WATER WORKS
60206	C	10	WINDSOR, 3120 DOUGALL AVE.
60209	R	6	WINDSOR, E. C. ROWE AND JEFFERSON
60210	R	8	WINDSOR, LESPERANCE NEAR PRINCE ST.
60401	C*	65	TORONTO, 67 COLLEGE STREET
60403	I*	9	TORONTO, ETOBICOKE, EVANS-ARNOLD
60404	R*	15	TORONTO, 5126 YONGE STREET
60405	I*	23	TORONTO, JOHN ST. PUMP STATION
60406	R*	13	TORONTO, ROSEHILL RESERVOIR
60408	C*	12	TORONTO, DANFORTH-ROBINSON
60501	C*	12	HAMILTON, BARTON AND WENTWORTH
60502	I*	15	HAMILTON, BURLINGTON-WELLINGTON
60503	R*	15	HAMILTON, CHATHAM-FRID
60507	C*	30	HAMILTON, HUGHSON-HUNTER
60509	R*	10	HAMILTON, MOHAWK-JAMES
60510	I*	10	HAMILTON, STRATHEARN
60701	C*	40	SAULT STE. MARIE, PROV. ONT. BLDG.
60702	R*	15	SAULT STE. MARIE, ANNA MCREA P. S.
60703	I*	20	SAULT STE. MARIE, BAYVIEW-YONGE
60801	C*	40	THUNDER BAY, 14 ALGOMA ST.
60802	C*	5	THUNDER BAY, 185 GORE ST.
60805	R*	18	THUNDER BAY, 521 MEMORIAL AVE.
60901	C*	13	LONDON, KING-RECTORY
61001	C*	12	SARNIA, 156 VICTORIA ST.

61002	R*	15	SARNIA, YACHT CLUB
61003	I*	10	SARNIA, LAMBTON COLLEGE
70105	R**	15	WINNIPEG, MARTIN AND HENDERSON HWY.
70110	C	14	WINNIPEG, KENNEDY AND ST. MARY'S
70113	I**	10	WINNIPEG, WINDERMERE AND ROCKMAN
70115	I**	13	WINNIPEG, PORTAGE AND MINTO
70116	C**	11	WINNIPEG, SMITH AND KING
70117	R**	10	WINNIPEG, CONTROL STATION (MORDEN)
90104	C*	100	EDMONTON, 100TH ST. AND 103RD AVE.
90105	R*	8	EDMONTON (N.W.), 135 ST. AND 132 AVE.
90106	R*	8	EDMONTON, 54 ST. AND 101A AVE.
90112	I*	7	EDMONTON, HWY 16A E. AND 10TH ST.
90119	C*	7	EDMONTON, 116 STREET AND 88 AVE.
90120	I*	7	EDMONTON, 66 STREET AND 127 AVE.
90201	I*	5	CALGARY, 6411 20TH ST., S.E.
90204	C*	6	CALGARY, 7 AVE. & 2 ST., S.E.
90205	R*	25	CALGARY, 32 AVE. AND 14 ST., S.W.
90206	R*	8	CALGARY, 62 CAMBRIDGE ROAD
90210	I*	6	CALGARY, 58 AVE. AND BLACKFOOT TRAIL
90219	C*	25	CALGARY, 620-7 AVENUE S. W.

SUMMARY OF DUSTFALL AND SULFATION RATES
 RETOMBÉES DE POUSSIÈRES ET INDICES DE FORMATION DE SULFATE

STATION	DUSTFALL	SO ₃
30101C	11.2	1.2
30102R	8.1	0.7
30105R	9.2	0.7
30106R	7.8	0.5
30108C	10.9	1.1
30109R	9.8	0.6
MAX.	11.2	1.2
MIN.	7.8	0.5
MEAN	9.5	0.8

SUMMARY OF DUSTFALL AND SULFATION RATES
RETOMBEES DE POUSSIERS ET INDICES DE FORMATION DE SULFATE

STATION	DUSTFALL	SO3
30301R	20.6	0.0
30302I	35.7	2.7
30309I	23.7	0.0
30311R	178.7	0.9
MAX.	178.7	2.7
MIN.	20.6	0.0
MEAN	64.7	0.9

MONTH MAY 1973

LOCATION

SYDNEY

SUMMARY OF DUSTFALL AND SULFATION RATES
RETOMBEES DE POUSSIERS ET INDICES DE FORMATION DE SULFATE

STATION	DUSTFALL	SO3
30401R	119.9	1.3
30405C	32.5	3.4
30406I	127.9	0.8
MAX.	127.9	3.4
MIN.	32.5	0.8
MEAN	93.5	1.8

MONTH MAY 1973

LOCATION

GLACE BAY

SUMMARY OF DUSTFALL AND SULFATION RATES
RETOMBEES DE POUSSIERS ET INDICES DE FORMATION DE SULFATE

STATION	DUSTFALL	SO3
50101R	18.0	0.8
50102R	26.0	0.9
50103R	24.0	2.2
50106R	27.0	1.0
50107R	19.0	0.8
MAX.	27.0	2.2
MIN.	18.0	0.8
MEAN	22.8	1.1

MONTH MAY 1973

LOCATION

MONTREAL

SUMMARY OF DUSTFALL AND SULFATION RATES
RETOMBEES DE POUSSIERS ET INDICES DE FORMATION DE SULFATE

STATION	DUSTFALL	SO3
50201C	22.9	
MAX.		
MIN.		
MEAN	22.9	

MONTH MAY 1973

LOCATION

HULL

SUMMARY OF DUSTFALL AND SULFATION RATES
 RETOMBÉES DE POUSSIÈRES ET INDICES DE FORMATION DE SULFATE

STATION	DUSTFALL	SO3
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60101C	8.0	
60102R	10.7	
60103C	16.9	

MAX.	16.9	
MIN.	8.0	
MEAN	11.9	

MONTH MAY 1973

LOCATION

OTTAWA

SUMMARY OF DUSTFALL AND SULFATION RATES
 RETOMBÉES DE POUSSIÈRES ET INDICES DE FORMATION DE SULFATE

STATION	DUSTFALL	SO3
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60201I		
60202C	33.4	
60203R	13.0	
60206C	20.9	
60209R	24.1	
60210R	11.4	

MAX.	33.4	
MIN.	11.4	
MEAN	20.6	

MONTH MAY 1973

LOCATION

WINDSOR

SUMMARY OF DUSTFALL AND SULFATION RATES
RETOMBEES DE POUSSIÈRES ET INDICES DE FORMATION DE SULFATE

STATION	DUSTFALL	SO ₃
60401C	31.0	0.4
60403I	24.0	0.3
60404R	12.0	0.2
60405I	61.0	0.4
60406R	12.0	0.3
60408C	21.0	0.2
MAX.	61.0	0.4
MIN.	12.0	0.2
MEAN	26.8	0.3

MONTH MAY 1973

LOCATION

TORONTO

SUMMARY OF DUSTFALL AND SULFATION RATES
RETOMBEES DE POUSSIÈRES ET INDICES DE FORMATION DE SULFATE

STATION	DUSTFALL	SO ₃
60501C	48.0	0.7
60502I	69.0	0.7
60503R	37.0	0.7
60507C	36.0	0.6
60509R	20.0	0.6
60510I	70.0	0.8
MAX.	70.0	0.8
MIN.	20.0	0.6
MEAN	46.7	0.7

MONTH MAY 1973

LOCATION

HAMILTON

SUMMARY OF DUSTFALL AND SULFATION RATES
RETOMBEES DE POUSSIÈRES ET INDICES DE FORMATION DE SULFATE

STATION	DUSTFALL	SO3
60701C	8.0	0.2
60702R	19.0	0.1
60703I	23.0	0.3

MAX.	23.0	0.3
MIN.	8.0	0.1
MEAN	16.7	0.2

MONTH MAY 1973

LOCATION SAULT STE. MARIE

SUMMARY OF DUSTFALL AND SULFATION RATES
RETOMBEES DE POUSSIÈRES ET INDICES DE FORMATION DE SULFATE

STATION	DUSTFALL	SO3
60801C	22.0	0.2
60802C	25.0	0.1
60805R	15.0	0.2

MAX.	25.0	0.2
MIN.	15.0	0.1
MEAN	20.7	0.1

MONTH MAY 1973

LOCATION THUNDER BAY

SUMMARY OF DUSTFALL AND SULFATION RATES
RETOMBÉES DE POUSSIÈRES ET INDICES DE FORMATION DE SULFATE

STATION	DUSTFALL	SO3
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60901C	17.0	0.2
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MAX.

MIN.

MEAN	17.0	0.2
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MONTH MAY 1973

LOCATION

LONDON

SUMMARY OF DUSTFALL AND SULFATION RATES
RETOMBÉES DE POUSSIÈRES ET INDICES DE FORMATION DE SULFATE

STATION	DUSTFALL	SO3
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61001C	22.0	1.0
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61002R		0.5
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61003I		1.1
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MAX.		1.1
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MIN.		0.5
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MEAN	22.0	0.9
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MONTH MAY 1973

LOCATION

SARNIA

SUMMARY OF DUSTFALL AND SULFATION RATES
RETOMBEES DE POUSSIÈRES ET INDICES DE FORMATION DE SULFATE

STATION	DUSTFALL	SO3
70105R	20.5	
70110C	67.4	
70113I	29.3	
70115I	45.7	
70116C	94.5	
70117R		
MAX.	94.5	
MIN.	20.5	
MEAN	51.5	

MONTH MAY 1973

LOCATION

WINNIPEG

SUMMARY OF DUSTFALL AND SULFATION RATES
RETCMBEES DE POUSSIÈRES ET INDICES DE FORMATION DE SULFATE

STATION	DUSTFALL	SO3
90104C	31.9	0.1
90105R	31.6	0.2
90106R	17.9	0.1
90112I	19.7	0.5
90119C	22.2	0.1
90120I	45.6	0.1
MAX.	45.6	0.5
MIN.	17.9	0.1
MEAN	28.2	0.2

MONTH MAY 1973

LOCATION

EDMONTON

SUMMARY OF DUSTFALL AND SULFATION RATES
RETOMBÉES DE POUSSIÈRES ET INDICES DE FORMATION DE SULFATE

STATION	DUSTFALL	SO ₃
90201I		0.2
90204C	27.9	0.1
90205R	11.6	0.1
90206R	17.5	0.1
90210I	41.8	0.2
90219C	21.9	0.2
MAX.	41.8	0.2
MIN.	11.6	0.1
MEAN	24.1	0.2

SULFUR DIOXIDE

Sulfur Dioxide is measured continuously in three ways. In all instruments air passes at a controlled rate through a scrubber where the sulfur dioxide gas dissolves in a liquid medium. Subsequent analysis may be carried out by means of conductivity (CON) when the scrubbing solution is a dilute mixture of sulfuric acid and hydrogen peroxide, colorimetry (COL) when the West and Gaeke absorbing solution is used or coulometry (COU) when a bromine or iodine reagent is used.

The data are reported as hourly maxima, 24 hour daily averages and monthly averages. Units used are parts per hundred million by volume of air sampled.

ANHYDRIDE SULFUREUX (SO₂)

L'échantillonnage continu de l'anhydride sulfureux s'effectue en faisant passer de l'air à une vitesse contrôlée à travers un milieu liquide qui absorbe l'anhydride sulfureux. L'analyse peut se faire de 3 façons, soit par conductivité (CON), quand la solution absorbante est un mélange dilué d'acide sulfurique et de peroxyde d'hydrogène, soit par colorimétrie (COL), quand la solution absorbante est celle de West et Gaeke, soit par coulométrie (COU), quand une solution de bromure ou d'iodure est utilisée.

On doit noter que les résultats de ces 3 méthodes d'analyse ne sont pas directement comparables à cause des différences de résistance aux interférences. Les résultats sont exprimés en maxima horaires, en moyennes quotidiennes de 24 heures et en moyennes mensuelles. Les unités utilisées sont des parties par cent millions d'air échantillonné.

STATIONS MEASURING SULPHUR DIOXIDE

STATIONS MESURANT L'ANHYDRIDE SULFUREUX

30101	C,F,COU	45	HALIFAX, N.S. TECHNICAL COLLEGE
40201	C,F,COU	60	SAINT JOHN, 110 CHARLOTTE ST.
50101	R,P,COU	10	MONTREAL, JARRY PARK
50102	R,P,COU	10	MONTREAL, BOTANICAL GARDENS
50103	R,F,COU	15	MONTREAL, POINTE AUX TREMBLES
50104	C,M,COL	40	MONTREAL, 1125 ONTARIO, EAST
50105	C,M,COL	35	MONTREAL, 1212 DRUMMOND
50106	R,P,COL	10	MONTREAL, VILLE ST. LAURENT
50107	R,P,COU	15	MONTREAL, VILLE LASALLE
50201	C,F,COU	40	HULL, RUE PRINCIPALE
50303	I,F,COU	40	QUEBEC, LOISIRS LIMOILLOU
60101	C,F,COU	55	OTTAWA, SLATER AND ELGIN
60201	I,P,COU	12	WINDSOR, MORTON TERMINAL DOCK
60204	C,P,COU	25	WINDSOR, 471 UNIVERSITY AVE.
60401	C,P,COU	65	TORONTO, 67 COLLEGE ST.
60402	R,P,COU	30	TORONTO, DON MILLS, SCI. CENTRE
60403	I,P,COU	9	TORONTO, EVANS/ARNOLD
60410	R,P,COU	10	TORONTO, LAWRENCE-KENNEDY
60501	C,P,COU	12	HAMILTON, BARTON/WENTWORTH
60505	R,P,COU	10	HAMILTON, NORTH PARK
60602	R,P,COU	12	SUDBURY, ASH STREET
60604	C,P,COU	10	SUBURY, 765 BARRY DOWNE RD.
60901	C,P,COU	13	LONDON, KING-RECTORY
61001	C,P,COU	12	SARNIA, 156 VICTORIA ST.

70101	C,P,COU	20	WINNIPEG, KENNEDY AND YORK AVE.
70102	R,F,COU	25	WINNIPEG, PORTAGE AT WOODLAND
70103	R,F,COU	30	WINNIPEG, HARTFORD AT MAIN
70104	I,F,COU	52	WINNIPEG, UNION STOCK YARDS
80108	C,F,COU	40	REGINA, 12TH AND SMITH
90114	C,F,COU	30	EDMONTON, 109 ST. AND 98 AVE.
90121	I,F,COU	15	EDMONTON, 17 ST. AND 103 AVE.
90218	I,F,COU	15	CALGARY, BONNYBROOK RD., S.E.
90219	C,F,COU	40	CALGARY, 620-7 AVE., S.W.
90220	R,F,COU	35	CALGARY, 26 AVE. & 4 ST. N.W.
00105	C,F,COU	75	VANCOUVER, 739 W. HASTINGS ST.
00106	R,F,COU	55	VANCOUVER, 2294 W. 10TH AVE.
00107	I,F,COU	20	VANCOUVER, 75 RIVERSIDE DR.
00301	C,F,COU	30	VICTORIA, POLICE STN.(FISGUARD)

SUMMARY OF SULFUR DIOXIDE LEVELS
VALEURS CONDENSEES D'ANHYDRIDE SULFUREUX

	STATION 30101C		STATION	STATION
DAY	NO. OF SAMP.	MAX	MEAN	NO. OF SAMP.
1	22	3	2	
2	20	2	0	
3	22	1	0	
4	21	0	0	
5	22	2	1	
6	22	2	1	
7	21	3	1	
8	1	1	1	
9	11	3	1	
10	22	2	1	
11	22	2	1	
12	21	2	1	
13	22	1	0	
14	21	2	1	
15	22	3	1	
16	22	3	1	
17	21	2	1	
18	22	4	1	
19	21	1	0	
20	22	6	1	
21	22	1	0	
22	21	3	1	
23	22	2	1	
24	21	2	1	
25	22	3	0	
26	22	2	1	
27	21	2	0	
28	21	1	1	
29	22	0	0	
30	22	2	1	
31	22	1	0	

STA 30101C STA STA

TOTAL NO. SAMPLES 638
MAXIMUM FOR MONTH 6
MONTHLY MEAN 0.7

MONTH MAY 1973 LOCATION HALIFAX

SUMMARY OF SULFUR DIOXIDE LEVELS
VALEURS CONDENSEES D'ANHYDRIDE SULFUREUX

	STATION 40201C		STATION	STATION
DAY	NO. OF SAMP.	MAX	MEAN	NO. OF SAMP.
1	21	6	3	
2	22	26	4	
3	22	2	1	
4	21	4	2	
5	22	5	2	
6	21	10	4	
7	22	8	3	
8	20	8	4	
9	22	5	3	
10	22	34	10	
11	21	12	4	
12	22	2	1	
13	21	4	2	
14	22	8	3	
15	22	9	3	
16	21	13	3	
17	22	12	3	
18	21	14	4	
19	22	10	2	
20	22	2	1	
21	21	4	1	
22	22	38	14	
23	21	8	5	
24	22	7	4	
25	22	4	2	
26	21	2	1	
27	22	4	2	
28	15	1	0	
29				
30				
31				

STA 40201C STA STA

TOTAL NO. SAMPLES 597
MAXIMUM FOR MONTH 38
MONTHLY MEAN 3.3

MONTH MAY 1973 LOCATION SAINT JOHN

SUMMARY OF SULFUR DIOXIDE LEVELS
VALEURS CONDENSEES D'ANHYDRIDE SULFUREUX

STATION 50101R				STATION 50102R				STATION 50103R			
DAY	NO. OF SAMP.	MAX	MEAN	NO. OF SAMP.	MAX	MEAN		NO. OF SAMP.	MAX	MEAN	
1	24	3	1	24	2	1		22	2	1	
2	24	2	1	24	3	1		22	8	4	
3				24	3	1		22	12	7	
4	24	2	0	24	2	1		22	11	6	
5	24	1	0	24	2	0		22	12	6	
6	24	2	1	24	1	0					
7	24	2	1	24	2	1		22	4	2	
8	24	5	3	24	6	2		22	5	1	
9	16	1	1	24	5	3		22	0	0	
10	24	1	1	24	5	3		22	6	2	
11	24	2	1	24	3	2		22	12	4	
12	24	2	1	24	4	2		22	13	6	
13	24	1	1	24	3	2		22	14	3	
14	24	2	1	24	4	3		22	13	5	
15	24	3	2	24	5	2		22	12	3	
16	24	2	1	24	3	2		22	7	3	
17	24	2	1	24	4	2		22	14	2	
18	24	2	1	24	3	2		22	2	0	
19	24	2	1	24	4	2		22	12	2	
20	24	2	1	24	5	2		22	12	2	
21	18	2	1	24	5	2		22	1	0	
22	14	2	1	24	2	1		22	1	0	
23	24	1	1	24	2	1		22	2	1	
24	24	3	2	24	3	2		22	2	1	
25	24	3	2	24	4	2		22	3	1	
26	24	2	1	24	4	2		22	3	1	
27	24	2	1	24	2	1		22	7	1	
28	23	2	1	24	2	1		14	1	0	
29				24	2	1					
30	24	2	1	24	3	1		4	1	0	
31	24	2	1	24	2	1		22	10	3	

STA 50101R STA 50102R STA 50103R

TOTAL NO. SAMPLES	671	744	612
MAXIMUM FOR MONTH	5	6	14
MONTHLY MEAN	1.0	1.6	2.4

MONTH MAY 1973

LOCATION

MONTREAL

SUMMARY OF SULFUR DIOXIDE LEVELS
VALEURS CONDENSEES D'ANHYDRIDE SULFUREUX

STATION 50104C				STATION 50105C				STATION 50106R			
DAY	NO. OF SAMP.	MAX	MEAN	NO. OF SAMP.	MAX	MEAN		NO. OF SAMP.	MAX	MEAN	
1	12	3	1	12	7	4		23	0	0	
2	12	2	1	12	4	2		24	0	0	
3	12	3	1	12	2	2		24	0	0	
4	12	1	1	12	4	3		24	0	0	
5	12	1	1	12	4	4		24	0	0	
6	12	1	1	12	4	3		24	0	0	
7	12	2	1	12	8	3		24	0	0	
8	12	2	1	12	6	3		24	0	0	
9	8	0	0	12	1	1		24	0	0	
10	12	2	1	12	3	2		24	0	0	
11	12	1	0	12	2	1		24	0	0	
12	12	1	0	12	2	2		24	0	0	
13	12	1	0	12	3	3		24	0	0	
14	12	1	1	12	4	4		24	0	0	
15	12	2	1	12	5	3		24	0	0	
16	12	2	1	12	4	3		24	0	0	
17	12	2	1	12	4	3		23	0	0	
18	12	1	0	12	4	3		24	0	0	
19	12	2	1	12	4	2		24	0	0	
20	12	7	2	12	11	4		24	0	0	
21	12	1	1	12	5	3		24	0	0	
22	12	2	1	12	4	3		24	0	0	
23	12	2	1	12	5	3		24	0	0	
24	11	1	0	12	4	2		24	0	0	
25	12	1	1	12	3	2		24	0	0	
26	12	1	0	12	2	1		24	0	0	
27	12	3	1	12	5	2		24	0	0	
28	12	1	0	12	1	1		24	0	0	
29	12	2	0	12	3	1		24	0	0	
30	12	5	1	12	6	2		24	0	0	
31	12	3	1	12	5	3		24	0	0	

STA 50104C STA 50105C STA 50106R

TOTAL NO. SAMPLES	367	372	742
MAXIMUM FOR MONTH	7	11	0
MONTHLY MEAN	0.7	2.4	0.0

MONTH MAY 1973

LOCATION

MONTREAL

SUMMARY OF SULFUR DIOXIDE LEVELS
VALEURS CONDENSEES D'ANHYDRIDE SULFUREUX

STATION 50107R				STATION				STATION			
DAY	NO. OF SAMP.	MAX	MEAN	NO. OF SAMP.	MAX	MEAN		NO. OF SAMP.	MAX	MEAN	
1	24	2	1								
2	24	0	0								
3	24	2	1								
4	24	2	0								
5	24	2	0								
6	24	0	0								
7	24	0	0								
8	24	1	1								
9	24	1	0								
10	24	0	0								
11	24	3	1								
12											
13	24	1	0								
14	24	1	0								
15	24	0	0								
16	24	0	0								
17	24	0	0								
18	24	2	1								
19	24	2	1								
20	24	1	0								
21	13	0	0								
22											
23											
24											
25											
26											
27											
28											
29											
30											
31											

STA 50107R STA STA

TOTAL NO. SAMPLES 469
MAXIMUM FOR MONTH 3
MONTHLY MEAN 0.3

MONTH MAY 1973 LOCATION MONTREAL

SUMMARY OF SULFUR DIOXIDE LEVELS
VALEURS CONDENSEES D'ANHYDRIDE SULFUREUX

STATION 50201C				STATION				STATION			
DAY	NO. OF SAMP.	MAX	MEAN	NO. OF SAMP.	MAX	MEAN		NO. OF SAMP.	MAX	MEAN	
1	22	6	3								
2	22	7	1								
3	22	0	0								
4	22	0	0								
5	23	0	0								
6	22	4	0								
7	22	10	3								
8	22	11	3								
9	22	2	0								
10	22	3	0								
11	23	1	0								
12	22	0	0								
13	22	0	0								
14	4	0	0								
15	1	0	0								
16	22	1	0								
17	23	1	0								
18	22	0	0								
19	22	0	0								
20	22	4	1								
21	22	1	1								
22	22	1	0								
23	23	3	1								
24	22	6	2								
25	22	7	3								
26	22	6	2								
27	22	5	1								
28	22	1	0								
29	23	1	1								
30	22	2	0								
31	22	1	0								

STA 50201C STA STA

TOTAL NO. SAMPLES 648
MAXIMUM FOR MONTH 11
MONTHLY MEAN 0.8

MONTH MAY 1973 LOCATION HULL

SUMMARY OF SULFUR DIOXIDE LEVELS
VALEURS CONDENSEES D'ANHYDRIDE SULFUREUX

STATION 50303I				STATION				STATION			
DAY	NO. OF SAMP.	MAX	MEAN	NO. OF SAMP.	MAX	MEAN		NO. OF SAMP.	MAX	MEAN	
1	23	11	3								
2	22	13	7								
3	22	15	8								
4	22	3	2								
5	22	7	3								
6	22	13	4								
7	22	30	7								
8	22	12	5								
9	22	12	6								
10	21	9	3								
11	22	20	9								
12	22	9	2								
13	22	1	1								
14	22	2	1								
15	22	2	1								
16	22	28	4								
17	20	32	8								
18	22	19	8								
19	21	8	2								
20	22	8	1								
21	22	12	3								
22	22	37	14								
23	22	26	9								
24	22	35	13								
25	22	14	6								
26	15	50	15								
27											
28											
29											
30											
31											

STA 50303I STA STA

TOTAL NO. SAMPLES 562
MAXIMUM FOR MONTH 50
MONTHLY MEAN 5.4

MONTH MAY 1973

LOCATION

QUEBEC

SUMMARY OF SULFUR DIOXIDE LEVELS
VALEURS CONDENSEES D'ANHYDRIDE SULFUREUX

STATION 60101C				STATION				STATION			
DAY	NO. OF SAMP.	MAX	MEAN	NO. OF SAMP.	MAX	MEAN		NO. OF SAMP.	MAX	MEAN	
1	22	1	0								
2	21	1	0								
3	22	1	1								
4	22	4	2								
5	22	4	2								
6	22	8	3								
7	22	0	0								
8	22	1	0								
9	22	1	0								
10	22	1	0								
11	22	2	1								
12	22	2	1								
13	22	4	2								
14	22	5	2								
15	22	8	2								
16	22	2	1								
17	22	5	2								
18	22	4	2								
19	22	3	2								
20	21	1	0								
21	22	4	1								
22	23	4	1								
23	22	1	0								
24	22	0	0								
25	22	0	0								
26	22	1	0								
27	22	1	0								
28	22	2	0								
29	22	3	1								
30	22	2	1								
31	22	4	1								

STA 60101C STA STA

TOTAL NO. SAMPLES 681
MAXIMUM FOR MONTH 8
MONTHLY MEAN 0.9

MONTH MAY 1973

LOCATION

OTTAWA

SUMMARY OF SULFUR DIOXIDE LEVELS
VALEURS CONDENSEES D'ANHYDRIDE SULFUREUX

STATION 60201I				STATION 60204C			STATION		
DAY	NO. OF SAMP.	MAX	MEAN	NO. OF SAMP.	MAX	MEAN	NO. OF SAMP.	MAX	MEAN
1	1	1	1	24	4	2			
2	17	5	3	24	4	1			
3	23	3	1	24	6	1			
4	24	8	4	24	2	1			
5	24	9	5	24	6	2			
6	24	5	3	24	8	3			
7	24	7	4	24	6	2			
8	24	3	3	24	2	1			
9	24	5	3	24	8	4			
10	24	7	3	24	16	5			
11	24	6	2	24	8	3			
12	24	5	2	24	7	3			
13	24	5	2	24	2	1			
14	24	4	1	24	4	2			
15	24	7	2	24	5	2			
16	24	5	3	24	8	1			
17	23	6	2	24	5	2			
18	24	9	4	24	11	4			
19	24	3	1	24	5	3			
20	24	27	5	24	6	3			
21	24	33	20	24	13	6			
22	23	9	3	24	7	3			
23	23	6	1	24	4	2			
24	24	8	3	24	13	5			
25	23	5	2	24	5	3			
26	24	7	3	24	10	5			
27	24	2	2	24	5	4			
28	22	5	1	24	6	3			
29	23	3	1	24	6	3			
30	24	9	3	24	4	3			
31	24	6	2	24	17	6			

STA 60201I STA 60204C STA

TOTAL NO. SAMPLES	706	744
MAXIMUM FOR MONTH	33	17
MONTHLY MEAN	3.1	2.9

MONTH MAY 1973

LOCATION

WINDSOR

SUMMARY OF SULFUR DIOXIDE LEVELS
VALEURS CONDENSEES D'ANHYDRIDE SULFUREUX

STATION 60401C				STATION 60402R			STATION 60403I		
DAY	NO. OF SAMP.	MAX	MEAN	NO. OF SAMP.	MAX	MEAN	NO. OF SAMP.	MAX	MEAN
1	24	1	0	24	4	3	24	3	2
2	24	2	1	24	6	5	23	2	1
3	24	1	1	24	5	3	23	2	1
4	23	2	1	24	2	1	24	3	2
5	24	1	1	24	2	1	24	3	2
6	24	5	2	24	2	1	24	4	3
7	24	4	1	24	10	1	24	6	3
8	24	1	0	24	1	1	24	2	1
9	24	2	1	21	3	1	24	2	1
10	24	6	2	24	3	2	24	3	2
11	24	1	1	24	1	1	24	2	1
12	24	2	1	24	0	0	24	2	1
13	24	1	1	23	0	0	24	2	1
14	24	2	1	24	2	0	24	2	1
15	24	4	2	24	3	1	24	3	2
16	24	3	1	20	4	2	23	7	3
17	24	4	1	24	3	1	24	2	1
18	24	2	1	24	1	1	24	3	2
19	24	4	2	24	3	1	24	4	3
20	24	4	2	24	2	2	24	4	3
21	24	2	1	24	2	1	24	4	3
22	24	3	2	24	5	2	24	3	2
23	24	4	2	21	4	1	21	4	2
24	24	2	1	24	1	1	24	2	1
25	24	1	1	24	1	1	24	3	1
26	24	1	0	24	0	0	20	1	1
27	24	1	0	24	1	0	23	2	0
28	24	4	1	24	1	0	18	2	1
29	24	4	2	24	1	1	23	3	2
30	24	3	2	21	1	1	24	3	2
31	24	5	3	24	3	1	24	4	2

STA 60401C STA 60402R STA 60403I

TOTAL NO. SAMPLES	743	730	726
MAXIMUM FOR MONTH	6	10	7
MONTHLY MEAN	1.2	1.2	1.7

MONTH MAY 1973

LOCATION

TORONTO

SUMMARY OF SULFUR DIOXIDE LEVELS
VALEURS CONDENSEES D'ANHYDRIDE SULFUREUX

STATION 60410R				STATION				STATION			
DAY	NO. OF SAMP.	MAX	MEAN	NO. OF SAMP.	MAX	MEAN		NO. OF SAMP.	MAX	MEAN	
1	24	0	0								
2	24	0	0								
3	24	0	0								
4	24	0	0								
5	16	1	0								
6	24	1	0								
7	22	1	0								
8	24	0	0								
9	24	1	1								
10	24	3	2								
11	13	1	0								
12											
13											
14											
15											
16											
17											
18											
19											
20											
21											
22											
23	9	2	2								
24	23	1	1								
25	24	2	1								
26	24	1	1								
27											
28											
29	10	1	1								
30											
31											

	STA 60410R	STA	STA
TOTAL NO. SAMPLES	333		
MAXIMUM FOR MONTH	3		
MONTHLY MEAN	0.5		

MONTH MAY 1973

LOCATION

TORONTO

SUMMARY OF SULFUR DIOXIDE LEVELS
VALEURS CONDENSEES D'ANHYDRIDE SULFUREUX

STATION 60501C				STATION 60505R				STATION			
DAY	NO. OF SAMP.	MAX	MEAN	NO. OF SAMP.	MAX	MEAN		NO. OF SAMP.	MAX	MEAN	
1	24	15	7	24	0	0					
2	24	2	1	24	2	1					
3	24	1	1	24	2	2					
4	23	2	1	24	2	1					
5	24	2	1	24	1	1					
6	24	6	2	24	2	1					
7	24	10	5	24	1	1					
8	24	8	3	23	1	0					
9	24	1	1	24	4	3					
10	24	5	1	24	6	3					
11	24	1	0	24	6	3					
12	24	1	1	24	8	3					
13	24	1	0	24	1	1					
14	24	3	1	24	3	1					
15	24	5	2	23	1	0					
16	23	4	1	24	3	1					
17	24	2	1	24	1	0					
18	24	1	0	24	5	1					
19	24	7	3	3	1	0					
20	23	9	4								
21	24	2	1								
22	24	4	1	12	1	1					
23	22	12	5	24	3	1					
24	24	7	4	8	2	1					
25	24	12	5	16	1	0					
26	24	9	4	24	0	0					
27	24	10	5	24	1	0					
28	24	19	6	24	2	0					
29	24	2	1	4	0	0					
30	24	11	4	24	0	0					
31	24	2	1	24	4	1					

	STA 60501C	STA 60505R	STA
TOTAL NO. SAMPLES	739	617	
MAXIMUM FOR MONTH	19	8	
MONTHLY MEAN	2.3	1.0	

MONTH MAY 1973

LOCATION

HAMILTON

SUMMARY OF SULFUR DIOXIDE LEVELS
VALEURS CONDENSEES D'ANHYDRIDE SULFUREUX

STATION 60602R				STATION 60604C			STATION		
DAY	NO. OF SAMP.	MAX	MEAN	NO. OF SAMP.	MAX	MEAN	NO. OF SAMP.	MAX	MEAN
1	24	3	1	24	2	2			
2	24	1	0	23	4	2			
3	24	1	0	22	2	1			
4	24	1	0	9	0	0			
5	24	0	0						
6	24	79	8						
7	24	3	1						
8	24	3	2	12	2	1			
9	24	3	1	23	2	1			
10	24	1	0	24	19	9			
11	24	2	0	19	3	1			
12	24	2	1	22	1	0			
13	24	2	2	19	1	0			
14	24	18	4	9	7	3			
15	24	24	5						
16	24	2	0						
17	24	4	0	9	3	1			
18	24	7	1	12	15	2			
19	24	23	3	12	3	2			
20	24	49	7	10	0	0			
21	24	2	1	19	8	3			
22	24	25	2	24	2	1			
23	24	15	3	15	4	3			
24	24	11	3	13	2	1			
25	24	4	2	14	9	5			
26	24	3	1	24	3	1			
27	24	4	3	24	8	2			
28	24	9	2	23	7	1			
29	24	4	1	20	5	2			
30	24	10	5	23	7	3			
31	23	39	8	24	12	2			

	STA 60602R	STA 60604C	STA
TOTAL NO. SAMPLES	743	472	
MAXIMUM FOR MONTH	79	19	
MONTHLY MEAN	2.1	1.9	

MONTH MAY 1973

LOCATION

SUDBURY

SUMMARY OF SULFUR DIOXIDE LEVELS
VALEURS CONDENSEES D'ANHYDRIDE SULFUREUX

STATION 60901C				STATION			STATION		
DAY	NO. OF SAMP.	MAX	MEAN	NO. OF SAMP.	MAX	MEAN	NO. OF SAMP.	MAX	MEAN
1	24	1	0						
2	22	2	1						
3	24	1	0						
4	24	0	0						
5	24	1	0						
6	24	0	0						
7	24	0	0						
8	24	0	0						
9	24	0	0						
10	22	1	0						
11	24	1	0						
12	24	1	0						
13	24	0	0						
14	24	1	0						
15	24	1	0						
16	24	1	0						
17	24	1	0						
18	23	1	0						
19	24	1	0						
20	24	1	0						
21	24	1	0						
22	24	1	0						
23	24	1	0						
24	23	1	0						
25	24	0	0						
26	24	0	0						
27	24	1	0						
28	24	1	0						
29	24	1	0						
30	24	0	0						
31	23	1	0						

	STA 60901C	STA	STA
TOTAL NO. SAMPLES	737		
MAXIMUM FOR MONTH	2		
MONTHLY MEAN	0.2		

MONTH MAY 1973

LOCATION

LONDON

SUMMARY OF SULFUR DIOXIDE LEVELS
VALEURS CONDENSEES D'ANHYDRIDE SULFUREUX

STATION 61001C				STATION			STATION		
DAY	NO. OF SAMP.	MAX	MEAN	NO. OF SAMP.	MAX	MEAN	NO. OF SAMP.	MAX	MEAN
1	22	15	7						
2	23	16	8						
3	24	1	0						
4	24	1	0						
5	24	1	0						
6	24	11	2						
7	23	3	1						
8	23	8	1						
9	23	10	2						
10	23	8	3						
11	24	2	0						
12	24	1	0						
13	24	1	0						
14	23	2	0						
15	23	16	2						
16	24	19	6						
17	24	1	0						
18	22	3	1						
19	24	12	3						
20	8	3	2						
21									
22	15	5	2						
23	19	1	1						
24	24	2	1						
25	23	1	0						
26	24	1	0						
27	24	0	0						
28	24	2	0						
29	23	1	0						
30	24	0	0						
31	24	7	2						

STA 61001C STA STA

TOTAL NO. SAMPLES 677
MAXIMUM FOR MONTH 19
MONTHLY MEAN 1.5

MONTH MAY 1973 LOCATION SARNIA

SUMMARY OF SULFUR DIOXIDE LEVELS
VALEURS CONDENSEES D'ANHYDRIDE SULFUREUX

STATION 70101C				STATION 70102R			STATION 70103R		
DAY	NO. OF SAMP.	MAX	MEAN	NO. OF SAMP.	MAX	MEAN	NO. OF SAMP.	MAX	MEAN
1	22	0	0	22	0	0	22	0	0
2	21	0	0	22	0	0	22	0	0
3	22	2	0	22	0	0	22	0	0
4	22	1	0	22	0	0	22	0	0
5	22	0	0	22	0	0	22	0	0
6	22	0	0	22	0	0	22	0	0
7	22	0	0	22	0	0	22	0	0
8	22	1	0	22	0	0	22	0	0
9	22	1	0	22	0	0	22	0	0
10	22	0	0	22	0	0	22	0	0
11	21	0	0	22	0	0	22	0	0
12	22	0	0	22	0	0	22	0	0
13	22	0	0	22	0	0	22	0	0
14	22	0	0	22	0	0	22	0	0
15	22	0	0	22	0	0	22	0	0
16	22	0	0	22	0	0	22	0	0
17	22	0	0	22	0	0	22	0	0
18	22	0	0	22	0	0	22	0	0
19	22	0	0	22	0	0	22	0	0
20	22	0	0	22	0	0	22	1	0
21	22	0	0	22	0	0	22	0	0
22	22	0	0	22	0	0	22	0	0
23	22	0	0	22	0	0	22	0	0
24	22	0	0	21	0	0	22	0	0
25	22	0	0	22	0	0	22	0	0
26	22	1	0	22	0	0	22	0	0
27	22	3	0	22	0	0	22	0	0
28	22	1	0	22	0	0	22	0	0
29	22	1	0	22	0	0	22	0	0
30	22	0	0	22	0	0	22	0	0
31	22	2	1	22	0	0	22	0	0

STA 70101C STA 70102R STA 70103R

TOTAL NO. SAMPLES 680 681 682
MAXIMUM FOR MONTH 3 0 1
MONTHLY MEAN 0.1 0.0 0.0

MONTH MAY 1973 LOCATION WINNIPEG

SUMMARY OF SULFUR DIOXIDE LEVELS
VALEURS CONDENSEES D'ANHYDRIDE SULFUREUX

STATION 70104I				STATION				STATION			
DAY	NO. OF SAMP.	MAX	MEAN	NO. OF SAMP.	MAX	MEAN		NO. OF SAMP.	MAX	MEAN	
1	22	1	0								
2	22	2	0								
3	22	0	0								
4	22	0	0								
5	22	0	0								
6	22	0	0								
7	22	1	0								
8	22	0	0								
9	22	1	0								
10	22	0	0								
11	22	0	0								
12	5	0	0								
13											
14											
15											
16											
17											
18	8	0	0								
19	22	0	0								
20	22	0	0								
21	22	0	0								
22	22	0	0								
23	22	0	0								
24	19	0	0								
25	22	1	0								
26	22	0	0								
27	22	2	0								
28	21	4	1								
29	22	5	1								
30	22	0	0								
31	22	0	0								

STA 70104I STA STA

TOTAL NO. SAMPLES 537
MAXIMUM FOR MONTH 5
MONTHLY MEAN 0.1

MONTH MAY 1973 LOCATION WINNIPEG

SUMMARY OF SULFUR DIOXIDE LEVELS
VALEURS CONDENSEES D'ANHYDRIDE SULFUREUX

STATION 80108C				STATION				STATION			
DAY	NO. OF SAMP.	MAX	MEAN	NO. OF SAMP.	MAX	MEAN		NO. OF SAMP.	MAX	MEAN	
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											
13											
14											
15											
16											
17											
18											
19											
20											
21											
22											
23											
24											
25											
26											
27											
28											
29											
30	10	0	0								
31	22	0	0								

STA 80108C STA STA

TOTAL NO. SAMPLES 32
MAXIMUM FOR MONTH 0
MONTHLY MEAN 0.0

MONTH MAY 1973 LOCATION REGINA

SUMMARY OF SULFUR DIOXIDE LEVELS
VALEURS CONDENSEES D'ANHYDRIDE SULFUREUX

STATION 90114C				STATION 90121I			STATION 90121I		
DAY	NO. OF SAMP.	MAX	MEAN	NO. OF SAMP.	MAX	MEAN	NO. OF SAMP.	MAX	MEAN
1	22	0	0	24	0	0			
2	22	0	0	24	3	0			
3	22	1	0	24	12	2			
4	22	0	0	24	6	0			
5	22	0	0	24	6	1			
6	22	0	0	24	0	0			
7	22	0	0	24	4	0			
8	22	0	0	24	1	0			
9	22	2	0	24	3	0			
10	22	0	0	24	0	0			
11	22	0	0	24	2	0			
12	22	0	0	24	2	0			
13	22	0	0	24	0	0			
14	22	1	0	24	1	0			
15	22	1	0	24	2	1			
16	22	0	0	24	2	0			
17	22	0	0	24	3	0			
18	22	0	0	24	2	0			
19	22	0	0	24	2	0			
20	22	0	0	24	1	0			
21	22	0	0	24	4	0			
22	22	0	0	24	2	0			
23	22	0	0	24	1	0			
24	20	0	0	24	0	0			
25	22	0	0	24	0	0			
26	22	0	0	24	2	0			
27	22	0	0	24	2	0			
28	22	0	0	24	0	0			
29	22	0	0	24	0	0			
30	22	0	0	24	0	0			
31	22	0	0	24	0	0			

STA 90114C STA 90121I STA

TOTAL NO. SAMPLES	680	744
MAXIMUM FOR MONTH	2	12
MONTHLY MEAN	0.0	0.2

MONTH MAY 1973

LOCATION

EDMONTON

SUMMARY OF SULFUR DIOXIDE LEVELS
VALEURS CONDENSEES D'ANHYDRIDE SULFUREUX

STATION 90218I				STATION 90219C			STATION 90220R		
DAY	NO. OF SAMP.	MAX	MEAN	NO. OF SAMP.	MAX	MEAN	NO. OF SAMP.	MAX	MEAN
1	8	3	2	22	1	0	22	2	0
2				22	0	0			
3				24	0	0			
4	24	0	0	24	0	0	22	2	0
5	24	2	0	24	0	0	22	2	0
6	24	4	1	24	0	0	22	2	0
7	23	3	1	24	0	0	22	1	0
8	24	4	0	24	0	0	22	0	0
9	23	0	0	24	0	0	22	0	0
10	24	0	0	22	1	0	8	0	0
11	24	2	1	22	1	0			
12	24	4	1	21	1	0			
13	24	4	1	22	1	0			
14	24	4	1	22	1	0			
15	24	2	0	22	2	0			
16	23	0	0	22	1	0			
17	24	5	0	22	1	0	21	1	0
18	24	2	1	22	0	0	23	1	0
19	24	3	1	22	0	0	22	0	0
20	24	1	0	22	0	0	22	0	0
21	24	0	0	22	0	0	22	0	0
22	24	3	1	16	1	0	22	1	0
23	21	4	1	22	2	0	22	2	0
24	24	2	1	22	1	0	22	1	0
25	24	2	0	22	1	0	22	1	0
26	24	1	0	22	0	0	22	0	0
27	24	1	0	22	0	0	22	0	0
28	24	1	0	22	1	0	22	1	0
29	22	5	1	23	1	1	22	2	0
30	24	4	1	21	0	0	22	1	0
31	24	2	0	22	0	0	22	0	0

STA 90218I STA 90219C STA 90220R

TOTAL NO. SAMPLES	672	689	492
MAXIMUM FOR MONTH	5	2	2
MONTHLY MEAN	0.6	0.1	0.1

MONTH MAY 1973

LOCATION

CALGARY

SUMMARY OF SULFUR DIOXIDE LEVELS
VALEURS CONDENSEES D'ANHYDRIDE SULFUREUX

STATION 00105C				STATION 00106R			STATION 00107I		
DAY	NO. OF SAMP.	MAX	MEAN	NO. OF SAMP.	MAX	MEAN	NO. OF SAMP.	MAX	MEAN
1	22	4	1	22	0	0	22	1	0
2	22	2	1	22	0	0	22	0	0
3	22	1	0	21	1	0	22	0	0
4	22	1	0	22	0	0	15	1	0
5	22	1	0	22	1	0			
6	22	1	0	22	0	0	12	0	0
7	22	3	1	21	1	0	9	0	0
8	22	3	1	22	0	0			
9	22	1	0	22	1	0			
10	22	2	0	22	1	0			
11	22	2	1	22	2	0			
12	22	3	1	21	2	0			
13	22	1	0	12	1	0			
14	22	2	1	20	2	0			
15	22	1	0	21	1	0			
16	22	1	1	21	1	1			
17	22	3	1	20	2	1			
18	20	0	0	22	0	0			
19	22	0	0	22	0	0			
20	22	0	0	22	0	0			
21	22	0	0	22	0	0			
22	22	1	0	22	0	0			
23	22	1	1	22	0	0			
24	22	1	0	22	0	0			
25	22	1	0	11	0	0			
26	22	1	0						
27	22	1	0						
28	22	1	0						
29	22	2	1						
30	17	1	0						
31	22	3	0						

STA 00105C STA 00106R STA 00107I

TOTAL NO. SAMPLES	675	520	102
MAXIMUM FOR MONTH	4	2	1
MONTHLY MEAN	0.4	0.1	0.0

MONTH MAY 1973

LOCATION

VANCOUVER

SUMMARY OF SULFUR DIOXIDE LEVELS
VALEURS CONDENSEES D'ANHYDRIDE SULFUREUX

STATION 00301C				STATION			STATION		
DAY	NO. OF SAMP.	MAX	MEAN	NO. OF SAMP.	MAX	MEAN	NO. OF SAMP.	MAX	MEAN
1	22	3	1						
2	22	2	1						
3	22	4	1						
4	22	2	1						
5	22	1	1						
6	22	3	1						
7	21	1	0						
8	22	1	1						
9	22	2	1						
10	22	1	0						
11	23	1	0						
12	22	1	0						
13	22	2	0						
14	22	2	0						
15	22	2	0						
16	20	3	0						
17	22	1	0						
18	22	0	0						
19	22	0	0						
20	22	0	0						
21	22	1	0						
22	22	1	0						
23	22	1	0						
24	22	0	0						
25	22	0	0						
26	22	1	0						
27	22	2	0						
28	22	1	0						
29	22	1	0						
30	22	0	0						
31	22	0	0						

STA 00301C STA STA

TOTAL NO. SAMPLES	680
MAXIMUM FOR MONTH	4
MONTHLY MEAN	0.3

MONTH MAY 1973

LOCATION

VICTORIA

CARBON MONOXIDE

Carbon monoxide is measured continuously by non-dispersive infrared spectrometry (NDIR). In all instruments air passes at a controlled rate through an air pump, a filter media to remove moisture and particulates and into the analyzer. Subsequent analysis is carried out by comparing the infrared energy absorbed by the air sample to that absorbed by a reference cell. The difference in energy is converted electro-mechanically to a carbon monoxide reading.

The data are reported as hourly maximum, 24 hour daily averages and monthly averages. Units used are parts per million by volume of air sampled.

MONOXYDE DE CARBONE

Le monoxyde de carbone se mesure de façon continue en utilisant le principe de la spectrométrie infra-rouge non dispersive. Dans tous les instruments, de l'air passe à débit contrôlé par une pompe à air, par un milieu filtrant qui élimine l'humidité et les particules de l'échantillon et par la cellule d'analyse. L'analyse consiste en une comparaison entre l'énergie de rayonnement infra-rouge absorbée par l'échantillon et celle qu'absorbe la cellule de référence. La différence d'énergie est transformée électro-mécaniquement en une lecture de monoxyde de carbone.

On présente les données sous forme de maximum horaire, de moyenne journalière de 24 heures et de moyenne mensuelle. Les unités utilisés sont des parties par million par volume d'air échantillonné.

STATIONS MEASURING CARBON MONOXIDE

STATIONS MESURANT LE MONOXYDE DE CARBONE

60101	C,F	10	OTTAWA, SLATER AND ELGIN
60204	C,P	25	WINDSOR, 471 UNIVERSITY AVE.
60401	C,P	65	TORONTO, 67 COLLEGE ST.
60403	I,P	9	TORONTO, EVANS/ARNOLD
60501	C,P	12	HAMILTON, BARTON/WENTWORTH
70101	C,F	20	WINNIPEG, KENNEDY ST. & YORK AVE.
90114	C,P	30	EDMONTON, 109 ST. AND 98 AVE.
90121	I,P	15	EDMONTON, 17 ST. AND 103 AVE.
90219	C,P	40	CALGARY, 620-7 AVE., S.W.

SUMMARY OF CARBON MONOXIDE LEVELS
VALEURS CONDENSEES DE MONOXYDE DE CARBONE

STATION 60101C				STATION				STATION			
DAY	NO. OF SAMP.	MAX	MEAN	NO. OF SAMP.	MAX	MEAN		NO. OF SAMP.	MAX	MEAN	
1											
2	9	16	8								
3	24	11	5								
4	23	13	5								
5	24	2	2								
6	24	3	1								
7	24	8	2								
8	24	16	3								
9	24	19	5								
10	24	11	5								
11	24	15	5								
12	24	4	2								
13	24	2	2								
14	24	11	3								
15	24	12	4								
16	24	10	4								
17	24	13	4								
18	24	10	4								
19	24	4	3								
20	24	3	2								
21	24	3	2								
22	24	6	3								
23	24	10	3								
24	24	8	3								
25	24	5	3								
26	24	4	2								
27	7	3	1								
28	10	13	8								
29	24	12	5								
30	17	11	5								
31	24	17	6								

STA 60101C STA STA

TOTAL NO. SAMPLES 666
MAXIMUM FOR MONTH 19
MONTHLY MEAN 3.5

MONTH MAY 1973

LOCATION

OTTAWA

SUMMARY OF CARBON MONOXIDE LEVELS
VALEURS CONDENSEES DE MONOXYDE DE CARBONE

STATION 60204C				STATION				STATION			
DAY	NO. OF SAMP.	MAX	MEAN	NO. OF SAMP.	MAX	MEAN		NO. OF SAMP.	MAX	MEAN	
1	24	7	5								
2	23	7	5								
3	24	5	4								
4	21	5	4								
5	24	6	4								
6	24	9	4								
7	23	6	4								
8	21	7	5								
9	24	10	5								
10	24	16	7								
11	24	6	4								
12	24	6	5								
13	24	4	3								
14	24	5	4								
15	23	8	5								
16	24	6	5								
17	22	6	4								
18	24	10	5								
19	24	7	6								
20	24	10	6								
21	24	12	7								
22	24	13	8								
23	24	8	7								
24	24	7	6								
25	12	7	6								
26	24	8	6								
27	24	5	5								
28	24	8	6								
29	24	7	5								
30	24	9	5								
31	24	9	5								

STA 60204C STA STA

TOTAL NO. SAMPLES 721
MAXIMUM FOR MONTH 16
MONTHLY MEAN 5.1

MONTH MAY 1973

LOCATION

WINDSOR

SUMMARY OF CARBON MONOXIDE LEVELS
VALEURS CONDENSEES DE MONOXYDE DE CARBONE

	STATION 60401C	STATION 60403I	STATION
DAY	NO. OF MAX MEAN SAMP.	NO. OF MAX MEAN SAMP.	NO. OF MAX MEAN SAMP.
1	14	6	5
2	24	5	3
3	24	6	3
4	11	4	1
5			
6			
7			
8			
9			
10			
11	10	4	3
12	24	4	3
13	24	2	1
14	24	5	2
15	23	3	2
16	18	3	1
17	18	2	1
18	18	3	3
19	24	7	3
20	24	6	3
21	24	3	2
22	24	7	4
23	24	7	5
24	24	6	5
25	24	8	6
26	24	6	6
27	24	6	6
28	9	10	6
29	10	3	2
30	24	6	3
31	24	6	3

NO DATA

AVAILABLE

STA 60401C STA 60403I STA

TOTAL NO. SAMPLES 515
MAXIMUM FOR MONTH 10
MONTHLY MEAN 3.3

MONTH MAY 1973

LOCATION

TORONTO

SUMMARY OF CARBON MONOXIDE LEVELS
VALEURS CONDENSEES DE MONOXYDE DE CARBONE

	STATION 60501C	STATION	STATION
DAY	NO. OF MAX MEAN SAMP.	NO. OF MAX MEAN SAMP.	NO. OF MAX MEAN SAMP.
1	23	8	3
2	24	2	1
3	24	2	0
4	24	2	0
5	24	1	0
6	24	1	0
7	24	4	1
8	24	8	4
9	24	3	2
10	24	4	1
11	24	3	2
12	24	1	1
13	24	1	0
14	24	6	2
15	24	3	1
16	24	2	1
17	24	3	1
18	24	4	1
19	24	5	2
20	24	4	2
21	24	1	0
22	24	3	2
23	24	6	3
24	23	5	2
25	24	9	4
26	24	6	2
27	24	4	2
28	24	7	3
29	24	3	1
30	24	5	2
31	24	3	1

STA 60501C STA STA

TOTAL NO. SAMPLES 742
MAXIMUM FOR MONTH 9
MONTHLY MEAN 1.5

MONTH MAY 1973

LOCATION

HAMILTON

SUMMARY OF CARBON MONOXIDE LEVELS
VALEURS CONDENSEES DE MONOXYDE DE CARBONE

	STATION 70101C			STATION			STATION		
DAY	NO. OF SAMP.	MAX	MEAN	NO. OF SAMP.	MAX	MEAN	NO. OF SAMP.	MAX	MEAN
1									
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									
25	9	4	3						
26	24	6	2						
27	24	4	2						
28	24	5	1						
29	24	2	0						
30	24	2	1						
31	24	4	2						

STA 70101C STA STA

TOTAL NO. SAMPLES 153
MAXIMUM FOR MONTH 6
MONTHLY MEAN 1.5

MONTH MAY 1973

LOCATION

WINNIPEG

SUMMARY OF CARBON MONOXIDE LEVELS
VALEURS CONDENSEES DE MONOXYDE DE CARBONE

	STATION 90114C			STATION 901211			STATION		
DAY	NO. OF SAMP.	MAX	MEAN	NO. OF SAMP.	MAX	MEAN	NO. OF SAMP.	MAX	MEAN
1	24	3	2	24	4	3			
2	24	3	2	24	4	3			
3	24	3	2	24	4	3			
4	24	3	2	24	5	4			
5	24	3	2	24	4	4			
6	24	2	1	24	4	3			
7	24	3	1	24	6	3			
8	24	6	3	24	7	4			
9	24	3	2	24	4	3			
10	24	2	1	24	3	2			
11	24	4	1	24	4	3			
12	24	4	1	24	3	2			
13	24	1	1	24	2	2			
14	24	9	2	24	3	2			
15	24	7	2	24	3	1			
16	24	4	2						
17	24	5	3	13	2	1			
18	24	4	2	24	3	1			
19	24	2	1	24	2	2			
20	24	2	1	24	3	2			
21	24	3	1	24	5	3			
22	24	3	2	24	5	3			
23	24	3	2	24	2	2			
24	18	2	2	24	3	2			
25	23	3	2	24	2	2			
26	24	3	3	24	3	2			
27	24	3	2	24	6	3			
28	21	4	2	24	5	3			
29	22	4	2	17	5	3			
30	24	5	2	8	1	1			
31	24	3	2	24	2	1			

STA 90114C STA 901211 STA

TOTAL NO. SAMPLES 732 686
MAXIMUM FOR MONTH 9 7
MONTHLY MEAN 1.8 2.4

MONTH MAY 1973

LOCATION

EDMONTON

SUMMARY OF CARBON MONOXIDE LEVELS
VALEURS CONDENSEES DE MONOXYDE DE CARBONE

DAY	STATION 90219C		STATION		STATION	
	NO. OF SAMP.	MAX MEAN	NO. OF SAMP.	MAX MEAN	NO. OF SAMP.	MAX MEAN
1	24	3	2			
2	24	2	1			
3	24	13	4			
4	24	7	5			
5	24	8	5			
6	24	5	4			
7	24	9	5			
8	24	9	5			
9	24	6	4			
10	24	8	5			
11	24	10	5			
12	24	8	5			
13	24	5	4			
14	24	13	6			
15	23	9	4			
16	2	5	5			
17	16	12	7			
18	24	13	5			
19	24	9	5			
20	24	6	5			
21	24	6	5			
22	24	11	7			
23	24	13	7			
24	24	11	6			
25	24	19	8			
26	24	8	5			
27	24	7	5			
28	24	7	5			
29	19	11	4			
30	24	23	4			
31	24	5	3			

STA 90219C STA STA

TOTAL NO. SAMPLES 708
MAXIMUM FOR MONTH 23
MONTHLY MEAN 4.8

MONTH MAY 1973

LOCATION

CALGARY

NITROGEN DIOXIDE

Nitrogen dioxide is measured continuously by three methods: colorimetry (COL), coulometry (COU), or chemiluminescence (CHE). In the colorimetric and coulometric methods air passes at a controlled rate through a scrubber where the nitrogen dioxide gas is dissolved in a liquid medium. The colorimetric instruments use the Griess Saltzman method, while the coulometric instruments use a bromine or iodine reagent. The chemiluminescent method uses the gas phase reaction of nitric oxide with ozone.

The data are reported as hourly maxima, 24 hour daily averages, and monthly averages. Units used are parts per hundred million by volume of air sampled.

BIOXYDE D'AZOTE

Le bioxyde d'azote est mesuré de façon continue par trois méthodes: colorimétrie (COL.), coulométrie (COU.) et chimiluminescence (CHI.). Dans les méthodes colorimétrique et coulométrique, de l'air passe à débit contrôlé par un barboteur dans lequel le bioxyde d'azote se dissout dans un liquide. Les instruments à réaction colorimétrique utilisent la méthode Griess Saltzman, tandis que les instruments coulométriques utilisent un réactif de brome ou d'iode. La méthode de chimiluminescence utilise la réaction en phase gazeuse de l'oxyde nitrique avec l'ozone.

On présente les données sous forme de maximum horaire, de moyenne journalière de 24 heures et de moyenne mensuelle. Les unités utilisés sont des parties par cent million par volume d'air échantillonné.

STATIONS MEASURING NITROGEN DIOXIDE
STATIONS MESURANT LE BIOXYDE D'AZOTE

50106	P,P,CCL	10	MONTREAL, VILLE ST. LAURENT
60204	C,P,CCL	25	WINDSOR, 471 UNIVERSITY AVE.
60401	C,P,CHE	65	TORONTO, 67 COLLEGE ST.
60402	R,P,CCL	30	TORONTO, DON MILLS, SCI. CENTRE
60410	R,P,CHE	10	TORONTO, LAWRENCE-KENNEDY
60501	C,P,CCL	12	HAMILTON, BARTON/WENTWORTH
60901	C,P,CCL	13	LONDON, KING-RECTORY
90114	C,P,COU	30	EDMONTON, 109 ST. AND 98 AVE.
90219	C,P,CCL	40	CALGARY, 620-7 AVE., S.W.

SUMMARY OF NITROGEN DIOXIDE LEVELS (NO_x NOT NO₂)
VALEURS CONDENSEES DE BIOXYDE D'AZOTE (NO_x PAS NO₂)

	STATION 50106R	STATION	STATION
DAY	NO. OF MAX MEAN SAMP.	NO. OF MAX MEAN SAMP.	NO. OF MAX MEAN SAMP.
1	24	4	2
2	24	3	2
3	24	1	0
4	24	2	0
5			
6			
7			
8			
9			
10	24	3	1
11	24	2	1
12	24	1	1
13	24	1	0
14	24	2	1
15	24	2	1
16	24	2	1
17	24	3	2
18	24	3	1
19			
20			
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			
31			

	STA 50106R	STA	STA
TOTAL NO. SAMPLES	312		
MAXIMUM FOR MONTH	4		
MONTHLY MEAN	1.0		
MONTH MAY 1973		LOCATION	MONTREAL

SUMMARY OF NITROGEN DIOXIDE LEVELS
VALEURS CONDENSEES DE BIOXYDE D'AZOTE

STATION 60204C				STATION			STATION		
DAY	NO. OF SAMP.	MAX	MEAN	NO. OF SAMP.	MAX	MEAN	NO. OF SAMP.	MAX	MEAN
1	23	2	2						
2	22	5	2						
3	23	6	3						
4	13	5	3						
5	23	6	3						
6	23	5	3						
7	18	3	2						
8	11	4	2						
9	24	4	2						
10	24	5	3						
11	23	5	2						
12	24	4	2						
13	24	2	2						
14	23	3	2						
15	21	4	3						
16	23	4	2						
17	22	3	2						
18	22	5	3						
19	23	3	2						
20	23	2	1						
21	23	1	1						
22	24	8	2						
23	19	4	2						
24	23	2	1						
25	20	5	3						
26	23	6	4						
27	23	2	1						
28	23	5	2						
29	22	4	2						
30	20	4	2						
31	21	6	4						

	STA 60204C	STA	STA
TOTAL NO. SAMPLES	673		
MAXIMUM FOR MONTH	8		
MONTHLY MEAN	2.3		

MONTH MAY 1973

LOCATION

WINDSOR

SUMMARY OF NITROGEN DIOXIDE LEVELS
VALEURS CONDENSEES DE BIOXYDE D'AZOTE

STATION 60401C				STATION 60402R			STATION 60410R		
DAY	NO. OF SAMP.	MAX	MEAN	NO. OF SAMP.	MAX	MEAN	NO. OF SAMP.	MAX	MEAN
1	24	5	3	22	7	4			
2	24	5	4	22	6	4			
3	24	3	2	19	5	3			
4	24	4	2	20	4	2			
5	24	3	2	23	4	2			
6	24	5	4	21	5	3			
7	24	5	3	11	3	2			
8	23	5	4	23	7	5			
9	23	5	3	19	8	5			
10	24	5	3	22	7	5			
11	21	4	3	9	6	6			
12	24	3	1						
13	24	1	1						
14	23	4	2	13	6	4			
15	24	5	4	5	4	4			
16	24	4	3	10	4	3			
17	24	4	3	22	3	2			
18	24	3	2	11	2	1			
19	24	9	3						
20	24	8	3						
21	24	3	1						
22	24	10	4	11	8	5			
23	24	9	4	18	7	5	9	7	5
24	24	4	3	23	5	4	23	6	3
25	24	4	3	11	6	3	24	3	2
26	24	3	2				24	3	2
27	24	3	2				24	2	1
28	24	8	4	10	8	5	23	9	4
29	24	4	3	23	5	3	23	6	3
30	24	5	3	9	5	3	24	4	2
31	24	6	4				24	8	5

	STA 60401C	STA 60402R	STA 60410R
TOTAL NO. SAMPLES	738	377	198
MAXIMUM FOR MONTH	10	8	9
MONTHLY MEAN	2.8	3.6	2.9

MONTH MAY 1973

LOCATION

TORONTO

SUMMARY OF NITROGEN DIOXIDE LEVELS
VALEURS CCNDENSEES DE BIOXYDE D'AZOTE

STATION 60501C				STATION				STATION			
DAY	NO. OF SAMP.	MAX	MEAN	NO. OF SAMP.	MAX	MEAN		NO. OF SAMP.	MAX	MEAN	
1	21	15	14								
2	23	15	8								
3	23	11	7								
4	17	9	5								
5	23	7	3								
6	23	10	5								
7	22	15	10								
8	23	12	9								
9	23	8	4								
10	22	10	5								
11	21	9	5								
12	23	6	3								
13	23	4	2								
14	23	9	6								
15	23	9	6								
16	23	6	4								
17	23	6	4								
18	22	7	5								
19	23	14	8								
20	23	14	9								
21	23	6	3								
22	22	8	6								
23	23	15	10								
24	23	9	6								
25	23	13	8								
26	22	10	7								
27	7	6	5								
28	13	14	8								
29	23	4	3								
30	23	7	5								
31	20	6	4								

	STA 60501C	STA	STA
TOTAL NO. SAMPLES	669		
MAXIMUM FOR MONTH	15		
MONTHLY MEAN	6.0		

MONTH MAY 1973

LOCATION

HAMILTON

SUMMARY OF NITROGEN DIOXIDE LEVELS
VALEURS CONDENSEES DE BIOXYDE D'AZOTE

STATION 60901C				STATION				STATION			
DAY	NO. OF SAMP.	MAX	MEAN	NO. OF SAMP.	MAX	MEAN		NO. OF SAMP.	MAX	MEAN	
1	23	3	2								
2	22	3	2								
3	23	2	2								
4	23	2	1								
5	8	2	1								
6											
7	9	2	2								
8	23	2	1								
9	23	2	1								
10	12	2	2								
11	23	2	2								
12	23	2	1								
13	23	1	1								
14	23	2	2								
15	23	3	2								
16	23	2	2								
17	19	2	1								
18											
19											
20											
21											
22											
23											
24	9	2	2								
25	12	2	2								
26	15	2	2								
27	23	2	1								
28	22	2	1								
29	23	2	1								
30	23	2	1								
31	22	3	2								

	STA 60901C	STA	STA
TOTAL NO. SAMPLES	472		
MAXIMUM FOR MONTH	3		
MONTHLY MEAN	1.5		

MONTH MAY 1973

LOCATION

LONDON

SUMMARY OF NITROGEN DIOXIDE LEVELS ((NO_x NOT NO₂)
VALEURS CONDENSEES DE BIOXYDE D'AZOTE (NO_x PAS NO₂)

STATION 90114C				STATION				STATION			
DAY	NO. OF SAMP.	MAX	MEAN	NO. OF SAMP.	MAX	MEAN	NO. OF SAMP.	NO. OF SAMP.	MAX	MEAN	NO. OF SAMP.
1	24	17	8								
2	24	15	8								
3	24	8	4								
4	24	6	4								
5	24	7	4								
6	24	14	7								
7	24	7	4								
8	24	18	6								
9	24	2	2								
10	24	2	2								
11	24	22	4								
12	24	18	4								
13	24	24	4								
14	24	30	6								
15	24	16	6								
16	24	5	4								
17	24	5	3								
18	24	7	3								
19	24	8	4								
20	24	3	2								
21	24	8	3								
22	24	11	5								
23	24	12	6								
24	24	14	6								
25	23	7	2								
26	24	4	3								
27	24	7	3								
28	24	6	3								
29	24	8	4								
30	24	8	4								
31	24	3	2								

STA 90114C STA STA

TOTAL NO. SAMPLES 743
MAXIMUM FOR MONTH 30
MONTHLY MEAN 4.1

MONTH MAY 1973

LOCATION

EDMONTON

SUMMARY OF NITROGEN DIOXIDE LEVELS (NO_x NOT NO₂)
VALEURS CONDENSEES DE BIOXYDE D'AZOTE (NO_x PAS NO₂)

STATION 90219C				STATION				STATION			
DAY	NO. OF SAMP.	MAX	MEAN	NO. OF SAMP.	MAX	MEAN	NO. OF SAMP.	NO. OF SAMP.	MAX	MEAN	NO. OF SAMP.
1	24	7	2								
2	24	4	2								
3	23	9	2								
4	24	4	2								
5	23	3	2								
6	23	1	1								
7	24	3	2								
8	24	5	2								
9	23	3	2								
10	23	5	3								
11	23	4	2								
12	23	6	3								
13	24	5	2								
14	24	11	3								
15	24	2	1								
16	24	2	1								
17	24	4	2								
18	24	2	2								
19	24	1	1								
20	24	2	1								
21	24	3	1								
22	24	2	0								
23	11	1	0								
24	11	2	1								
25	24	4	2								
26	24	5	4								
27	23	6	4								
28	24	9	5								
29	24	7	3								
30	24	7	2								
31	24	3	1								

STA 90219C STA STA

TOTAL NO. SAMPLES 710
MAXIMUM FOR MONTH 11
MONTHLY MEAN 2.0

MONTH MAY 1973

LOCATION

CALGARY

OZONE

Ozone is measured continuously by three methods: colorimetry (COL), coulometry (COU) and chemiluminescence (CHE). In the colorimetric and coulometric methods air passes at a controlled rate through a scrubber where the ozone gas is dissolved in a liquid medium. The colorimetric determination is carried out by reacting ozone with potassium iodide to produce iodine, while the coulometric procedure employs a buffered potassium iodide solution. The chemiluminescent method uses the gas phase reaction of ozone with ethylene.

The data are reported as hourly maxima, 24 hour daily averages, and monthly averages. Units used are parts per hundred million by volume of air sampled.

OZONE

L'ozone est mesuré de façon continue par trois méthodes: colorimétrie (COL.), coulométrie (COU.) et chimiluminescence (CHI.). Dans les méthodes colorimétrique et coulométrique, de l'air passe à débit contrôlé par un barboteur dans lequel l'ozone est dissous dans un liquide. La détermination colorimétrique consiste à faire réagir l'ozone avec de l'iodure de potassium pour produire de l'iode tandis que la détermination coulométrique emploie une solution tampon d'iodure de potassium. La méthode de chimiluminescence utilise la réaction en phase gazeuse de l'ozone avec l'éthylène.

On présente les données sous forme de maximum horaire, de moyenne journalière de 24 heures et de moyenne mensuelle. Les unités utilisés sont des parties par cent millions par volume d'air échantillonné.

STATIONS MEASURING OZONE

STATIONS MESURANT L'OZONE

60204	C,P,COL	25	WINDSOR, 471 UNIVERSITY AVE.
60501	C,P,COL	12	HAMILTON, BARTON/WENTWORTH
60602	R,P,COL	12	SUDBURY, ASH STREET
60901	C,P,COL	13	LONDON, KING-RECTORY
61001	C,P,COL	12	SARNIA, 156 VICTORIA ST.
90114	C,P,COU	30	EDMONTON, 109 ST. AND 98 AVE.
90219	C,P,COU	40	CALGARY, 620-7 AVE., S.W.

SUMMARY OF OZONE LEVELS
VALEURS CONDENSEES D'OZONE

STATION 60204C				STATION				STATION			
DAY	NO. OF SAMP.	MAX	MEAN	NO. OF SAMP.	MAX	MEAN		NO. OF SAMP.	MAX	MEAN	
1	23	3	3								
2	22	3	2								
3	23	2	1								
4	23	4	2								
5	23	5	3								
6	23	6	4								
7	22	6	4								
8	19	3	2								
9	23	5	3								
10	23	4	2								
11	22	3	2								
12	23	3	2								
13	24	2	1								
14	23	3	2								
15	21	3	2								
16	21	4	2								
17	15	2	1								
18	23	5	3								
19	7	2	1								
20											
21											
22	11	2	1								
23	14	2	1								
24	23	3	2								
25	20	3	1								
26											
27											
28											
29	12	2	1								
30	18	3	2								
31	22	4	3								

STA 60204C STA STA

TOTAL NO. SAMPLES 523
MAXIMUM FOR MONTH 6
MONTHLY MEAN 2.1

MONTH MAY 1973

LOCATION

WINDSOR

SUMMARY OF OZONE LEVELS
VALEURS CONDENSEES D'OZONE

STATION 60501C				STATION				STATION			
DAY	NO. OF SAMP.	MAX	MEAN	NO. OF SAMP.	MAX	MEAN		NO. OF SAMP.	MAX	MEAN	
1											
2											
3											
4	9	2	2								
5	23	4	3								
6	23	5	3								
7	23	4	3								
8	24	4	3								
9	24	6	4								
10	16	6	5								
11	15	3	2								
12	24	4	3								
13	24	2	2								
14	23	6	3								
15	24	4	3								
16	24	7	4								
17	24	4	3								
18	22	3	2								
19	24	8	3								
20	24	5	3								
21	24	6	4								
22	23	5	4								
23	24	7	3								
24	24	3	2								
25	24	5	3								
26	24	4	2								
27	24	4	2								
28	22	4	3								
29	24	5	4								
30	24	3	2								
31	22	10	5								

STA 60501C STA STA

TOTAL NO. SAMPLES 629
MAXIMUM FOR MONTH 10
MONTHLY MEAN 3.1

MONTH MAY 1973

LOCATION

HAMILTON

SUMMARY OF OZONE LEVELS
VALEURS CONDENSEES D'OZONE

STATION 60602R				STATION				STATION			
DAY	NO. OF SAMP.	MAX	MEAN	NO. OF SAMP.	MAX	MEAN		NO. OF SAMP.	MAX	MEAN	
1	22	1	0								
2	8	0	0								
3	14	0	0								
4	19	1	1								
5	23	1	1								
6	23	0	0								
7	21	0	0								
8	23	0	0								
9	23	0	0								
10	23	0	0								
11	22	0	0								
12	23	0	0								
13	23	1	0								
14	23	0	0								
15	23	0	0								
16	21	1	0								
17	22	0	0								
18	23	0	0								
19	24	0	0								
20	24	0	0								
21	24	1	1								
22	24	1	0								
23	24	1	0								
24	23	1	1								
25	23	2	1								
26	5	1	0								
27											
28	15	1	0								
29	23	1	0								
30	23	1	0								
31	19	1	0								

STA 60602R STA STA

TOTAL NO. SAMPLES 630
MAXIMUM FOR MONTH 2
MONTHLY MEAN 0.2

MONTH MAY 1973 LOCATION SUDBURY

SUMMARY OF OZONE LEVELS
VALEURS CONDENSEES D'OZONE

STATION 60901C				STATION				STATION			
DAY	NO. OF SAMP.	MAX	MEAN	NO. OF SAMP.	MAX	MEAN		NO. OF SAMP.	MAX	MEAN	
1	24	1	1								
2	21	1	1								
3	23	1	0								
4	23	1	0								
5	23	1	1								
6	23	2	1								
7	22	2	1								
8	23	1	1								
9	23	1	1								
10	21	2	1								
11	24	3	1								
12	24	1	1								
13	24	1	1								
14	24	3	2								
15	24	2	1								
16	24	2	2								
17	24	2	1								
18	23	2	1								
19	23	2	1								
20	23	1	1								
21	23	2	1								
22	23	2	1								
23	23	2	1								
24	23	1	1								
25	23	2	1								
26	23	2	1								
27	23	1	1								
28	22	1	1								
29	23	1	1								
30	23	1	1								
31	19	3	1								

STA 60901C STA STA

TOTAL NO. SAMPLES 711
MAXIMUM FOR MONTH 3
MONTHLY MEAN 1.1

MONTH MAY 1973 LOCATION LONDON

SUMMARY OF OZONE LEVELS
VALEURS CONDENSEES D'OZONE

STATION 61001C				STATION				STATION			
DAY	NO. OF SAMP.	MAX	MEAN	NO. OF SAMP.	MAX	MEAN		NO. OF SAMP.	MAX	MEAN	
1	21	5	3								
2	23	5	4								
3	7	3	2								
4	15	4	3								
5	23	4	4								
6	23	4	3								
7	22	6	4								
8	23	6	4								
9	22	11	6								
10	22	7	5								
11	22	10	7								
12	24	12	7								
13	23	7	6								
14	8	6	5								
15											
16	15	6	5								
17	24	6	5								
18	6	5	4								
19											
20											
21											
22											
23											
24											
25											
26											
27											
28											
29	15	3	2								
30	23	4	3								
31	22	6	4								

STA 61001C STA

TOTAL NO. SAMPLES 383

MAXIMUM FOR MONTH 12

MONTHLY MEAN 4.4

MONTH MAY 1973

LOCATION

SARNIA

SUMMARY OF OZONE LEVELS
VALEURS CONDENSEES D'OZONE

STATION 90114C				STATION				STATION			
DAY	NO. OF SAMP.	MAX	MEAN	NO. OF SAMP.	MAX	MEAN		NO. OF SAMP.	MAX	MEAN	
1	24	2	1								
2	24	2	2								
3	24	2	1								
4	24	2	1								
5	24	3	2								
6	24	2	1								
7	24	2	2								
8	24	2	1								
9	24	2	1								
10	24	2	2								
11	24	2	1								
12	24	2	1								
13	24	2	2								
14	24	3	2								
15	23	1	1								
16	20	1	0								
17	24	1	1								
18	24	2	1								
19	9	1	1								
20	16	1	1								
21	24	2	1								
22	24	2	1								
23	24	2	1								
24	24	2	1								
25	24	2	2								
26	24	2	1								
27	24	2	1								
28	24	1	1								
29	24	2	1								
30	24	2	1								
31	24	2	1								

STA 90114C STA

TOTAL NO. SAMPLES 716

MAXIMUM FOR MONTH 3

MONTHLY MEAN 1.2

MONTH MAY 1973

LOCATION

EDMONTON

SUMMARY OF OZONE LEVELS
VALEURS CONDENSEES D'OZONE

DAY	STATION 90219C			STATION			STATION		
	NO. OF SAMP.	MAX	MEAN	NO. OF SAMP.	MAX	MEAN	NO. OF SAMP.	MAX	MEAN
1	24	1	0						
2	24	1	1						
3	24	1	1						
4	24	1	0						
5	24	1	1						
6	24	1	1						
7	24	2	1						
8	24	2	1						
9	24	2	1						
10	23	1	1						
11	24	1	0						
12	24	2	1						
13	24	2	1						
14	24	2	1						
15	21	1	1						
16	16	1	1						
17	24	1	1						
18	24	1	0						
19	24	1	1						
20	24	1	1						
21	24	1	1						
22	24	1	1						
23	24	1	0						
24	24	1	0						
25	24	1	0						
26	24	1	0						
27	24	1	1						
28	24	1	1						
29	24	1	1						
30	24	2	0						
31	24	1	1						

	STA 90219C	STA	STA
TOTAL NO. SAMPLES	732		
MAXIMUM FOR MONTH	2		
MONTHLY MEAN	0.7		