

NATIONAL AIR POLLUTION SURVEILLANCE

MONTHLY SUMMARY

FOR

MAY 1971

Compiled by the

Air Pollution Control Directorate
Department of the Environment

From data collected by the Provinces of:

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

November 1971

SURVEILLANCE NATIONALE DE LA POLLUTION ATMOSPHERIQUE

SOMMAIRE MENSUEL

DE

MAI 1971

Etabli par la

Direction de la prévention de la pollution atmosphérique
Ministère de l'Environnement

Extrait de données réunies par les provinces de:

Nouvelle-Ecosse

Nouveau-Brunswick

Québec

Ontario

Manitoba

Saskatchewan

Alberta

Columbia-Britannique

et par le gouvernement du Canada

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

Novembre 1971

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 accumulates. 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 have 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-

elle, 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.

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Cooperating Agencies

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

Public Health Services,
Department of Health,
Province of New Brunswick.

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

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

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

Occupational Health Branch,
Department of Public Health,
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

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

Public Health Services,
Ministère de la Santé,
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.

Occupational Health Branch,
Ministère de la Santé publique,
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 de la prévention de la pollution atmosphérique,
Ministère de l'Environnement.

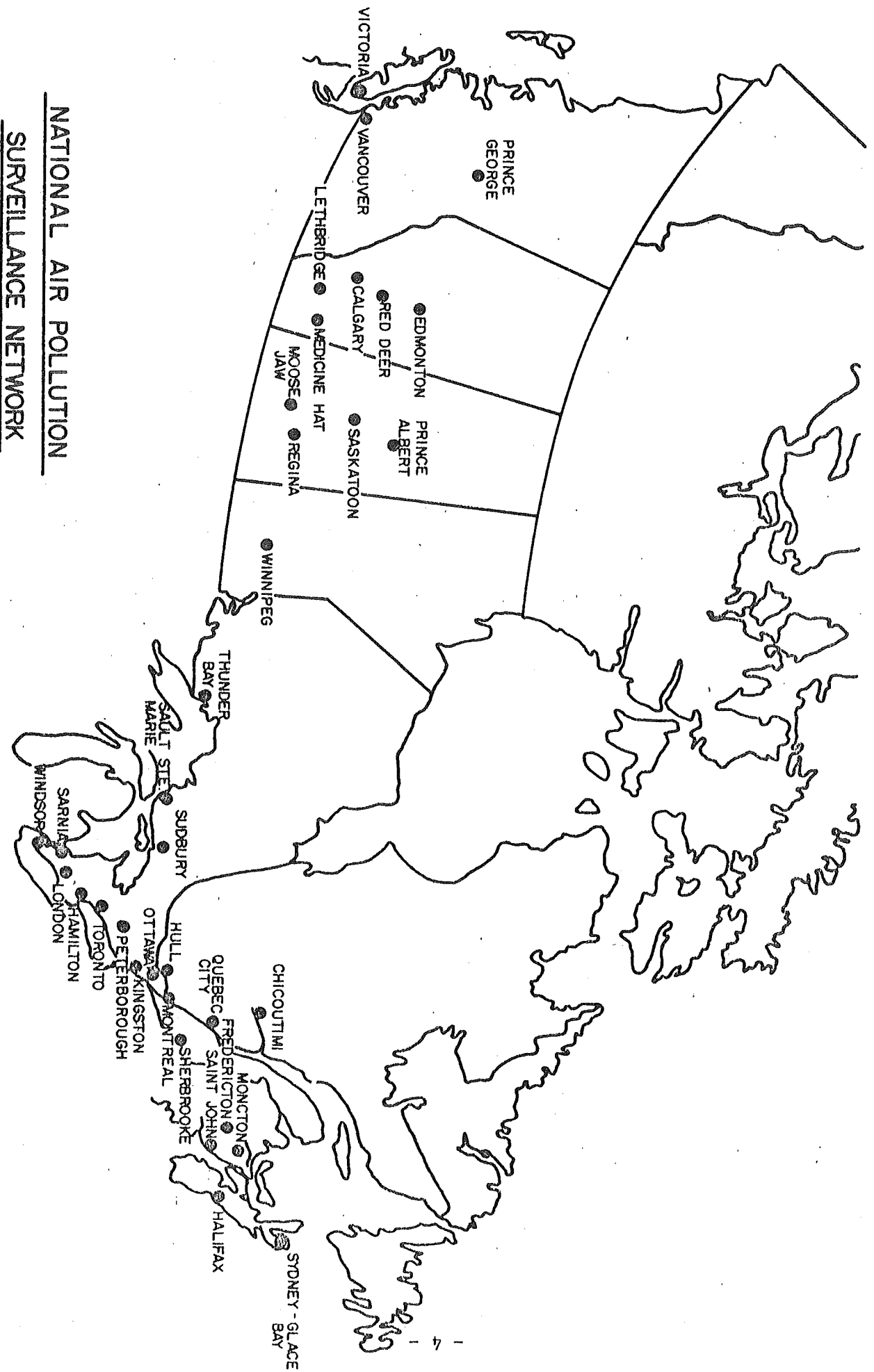
The National Air Pollution
Surveillance Network

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

Le réseau national de surveillance
de la pollution atmosphérique

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

Thunder Bay	Hallifax
London	Sydney
Sarnia	Glace Bay
Peterborough	Fredericton
Winnipeg	Saint John
Regina	Moncton
Saskatoon	Montreal
Edmonton	Hull
Calgary	Ottawa
Red Deer	Windsor
Medicine Hat	Kingston
Lethbridge	Toronto
Vancouver	Hamilton
Prince George	Sudbury
Victoria	Sault Ste. Marie



NATIONAL AIR POLLUTION

SURVEILLANCE NETWORK

(AUGUST, 1971)

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 August, 1971, the program consisted of 233 sampling instruments in 33 cities across eight provinces. Measurements are being made for soiling index, sulphur dioxide, dustfall, sulphation rate and suspended particulates. 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 and to provide a correlation with weather readings provided by the Atmospheric Environment Service. Future plans call for increased standardization, a national reference centre for sampling methodology and a calibration service to facilitate the intercomparability 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 four main sections, each covering a separate pollution index. Dustfall and sulphation 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). A description of the methodology employed and a listing of the appropriate sampling locations will be found at the beginning of each section.

Les données contenues dans le présent sommaire mensuel ont été

réunies par les organismes collaborateurs dans tout le Canada et ache-

minées au ministère fédéral de l'Environnement pour compilation.

À compter de août 1971, le programme comportait 233 instruments

d'échantillonnage dans 33 villes de huit provinces. Les mesures sont

faites relativement à l'indice de souillure, l'anhydride sulfureux,

les retombées de poussières, l'indice de formation de sulfate et les

particules en suspension. 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'échantill-

onnage 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 prévention de

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 et d'établir une

corrélation avec les relevés météorologiques diffusés par le Service de

l'Environnement atmosphérique. Les plans d'avenir prévoient une normalisation

accrue, un centre national de référence pour la méthodologie de l'échan-

tillonnage 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

niveaux de pollution des différentes villes. Sur ce point, il faudrait

faire preuve d'une certaine prudence, étant donné que des différences

Note explicative

indéfinissable 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 quatre 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 ensemble.

Chaque station d'échantillonnage est identifiée 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. 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 habituelle-ment 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 SOUILURE

30304	R,F	SYDNEY, CITY HOSPITAL
30306	R,F	SYDNEY, LINGAN ROAD
30403	R,F	GLACE BAY, PORT CALEDONIA
30406	I,F	GLACE BAY, PUMPING STATION ROAD
50101	R,P	MONTREAL, JARRY PARK
50102	R,P	MONTREAL, BOTANICAL GARDENS
50103	R,P	MONTREAL, POINTE AUX TREMBLES
50104	C,M	MONTREAL, 1125 ONTARIO
50105	C,M	MONTREAL, 1212 DRUMMOND
50106	R,P	MONTREAL, VILLE ST. LAURENT
50107	R,P	MONTREAL, VILLE LASALLE
50201	C,F	HULL, RUE PRINCIPALE
60101	C,F	OTTAWA, SLATER AND ELGIN
60102	R,F	OTTAWA, EXPERIMENTAL FARM
60103	C,F	OTTAWA, GILMOUR STREET
60204	C,P	WINDSOR, 471 UNIVERSITY AVE.
60401	C,P	TORONTO, 67 COLLEGE STREET
60402	R,P	TORONTO, DON MILLS, SCI. CENTRE
60403	I,P	TORONTO, EVANS/ARNOLD
60407	C,P	TORONTO, CITY HALL
60501	C,P	HAMILTON, BARTON AND WENTWORTH
60505	R,P	HAMILTON, NORTH PARK
60506	I,P	HAMILTON, WOODWARD-BRAMPTON
60601	C,P	SUDBURY, 50 CEDAR STREET

60602	R,P	SUDBURY, ASH STREET
60901	C,P	LONDON, KING-RECTORY
61001	C,P	SARNIA, 156 VICTORIA ST.
90113	C,P	EDMONTON, 100A AVE. AND 104 ST.
90115	I,P	EDMONTON, 147 ST. AND 116 AVE.
90118	R,P	EDMONTON, 73 AVE. & 95 ST.
90204	C,P	CALGARY, 7 AVE. AND 2 ST., S.E.
90216	R,P	CALGARY, GLENMORE DAM
90218	I,P	CALGARY, BONNYBROOK ROAD, S.E.

SUMMARY OF SOILING INDEX LEVELS
VALEURS CONDENSEES DES INDICES DE SOILLURE

STATION 30304R STATION 30306R STATION
DAY NO. OF MAX MEAN NO. OF MAX MEAN NO. OF MAX MEAN
SAMP. SAMP. SAMP.

1	12	1.7	0.7	12	1.3	0.5
2	12	1.1	0.5	12	1.0	0.5
3	12	1.4	0.5	12	1.3	0.5
4	12	1.5	0.6	12	2.1	0.5
5	12	1.3	0.7	12	0.9	0.4
6	12	0.6	0.3	12	0.9	0.5
7	12	0.7	0.4	12	1.0	0.4
8	12	1.5	0.8	12	1.0	0.5
9	12	1.7	0.8	12	0.9	0.3
10	12	2.4	0.8	12	2.0	0.5
11	12	1.1	0.4	12	0.8	0.5
12	12	0.5	0.2	12	0.9	0.3
13	12	1.4	1.0	12	0.8	0.3
14	12	1.6	0.9	12	0.7	0.3
15	12	1.1	0.4	12	0.9	0.4
16	12	1.8	1.0	12	0.8	0.3
17	12	1.5	0.6	12	0.6	0.3
18	6	1.4	0.7	12	0.6	0.2
19	7	0.8	0.5	12	0.8	0.4
20	12	1.0	0.4	12	0.6	0.3
21	12	0.6	0.2	12	0.9	0.3
22	12	0.9	0.5	12	0.7	0.3
23	12	1.5	0.8	12	1.1	0.3
24	12	0.6	0.2	12	0.5	0.2
25	12	1.5	0.4	12	0.6	0.3
26	12	1.3	0.6	12	1.1	0.4
27	12	1.3	0.5	12	0.9	0.3
28	12	0.7	0.3	12	0.9	0.4
29	12	1.7	0.4	12	0.6	0.2
30	12	3.2	1.1	12	0.2	0.1
31	12	2.3	0.9	12	0.7	0.2

STA 30304R STA 30306R STA

TOTAL NO. SAMPLES

361

372

MAXIMUM FOR MONTH

3.2

2.1

MONTHLY MEAN

0.6

0.3

MONTH MAY 1971

LOCATION

SYDNEY

SUMMARY OF SOILING INDEX LEVELS
VALEURS CONDENSEES DES INDICES DE SOILLURE

STATION 30403R STATION 30406I STATION
DAY NO. OF MAX MEAN SAMP. NO. OF MAX MEAN SAMP. NO. OF MAX MEAN SAMP.

1	12	0.7	0.4	12	0.7	0.3
2	12	0.6	0.2	12	0.7	0.2
3	12	0.8	0.2	12	2.0	0.4
4	12	0.5	0.2	12	0.6	0.2
5	12	0.8	0.2	12	0.3	0.1
6	12	0.6	0.2	12	0.7	0.2
7	12	0.2	0.0	12	0.7	0.3
8	12	0.7	0.3	12	0.5	0.3
9	12	0.5	0.2	12	0.5	0.3
10	12	1.0	0.3	12	1.3	0.4
11	12	0.4	0.1	12	0.7	0.2
12	12	0.9	0.2	12	0.2	0.1
13	12	0.4	0.1	12	0.3	0.1
14	12	0.4	0.2	12	0.4	0.1
15	12	0.3	0.1	12	0.3	0.1
16	12	0.3	0.1	12	0.3	0.1
17	12	0.2	0.1	12	0.5	0.1
18	12	0.2	0.1	12	0.1	0.0
19	12	0.2	0.1	12	0.4	0.1
20	12	0.4	0.2	12	0.2	0.1
21	12	1.1	0.4	12	0.3	0.1
22	12	0.8	0.2	12	0.3	0.1
23	12	0.4	0.2	12	0.4	0.1
24	12	0.4	0.1	12	0.7	0.2
25	12	0.3	0.1	12	0.1	0.1
26	12	1.0	0.2	12	0.3	0.1
27	12	0.8	0.2	12	0.6	0.2
28	12	1.0	0.2	12	0.5	0.1
29	12	0.7	0.3	12	0.5	0.2
30	12	0.6	0.2	12	0.2	0.1
31	12	0.6	0.2	12	0.2	0.1

STA 30403R STA 30406I STA

TOTAL NO. SAMPLES

372

372

MAXIMUM FOR MONTH

1.1

2.0

MONTHLY MEAN

0.2

0.2

MONTH MAY 1971

LOCATION

GLACE BAY

SUMMARY OF SOILING INDEX LEVELS
VALEURS CONDENSEES DES INDICES DE SOUILURE

STATION 50101R STATION 50102R STATION 50103R
DAY NO. OF MAX MEAN NO. OF MAX MEAN NO. OF MAX MEAN
SAMP. SAMP. SAMP.

1	12	1.4	0.6	12	1.3	0.8
2	12	0.9	0.5	12	1.8	0.7
3	12	1.0	0.6	12	0.8	0.6
4	12	0.8	0.5	12	0.8	0.6
5	12	0.8	0.5	12	1.3	0.7
6	12	2.0	1.1	12	1.5	0.9
7	12	1.5	0.7	12	1.8	1.0
8	12	1.8	1.1	12	1.8	0.8
9	12	0.8	0.4	12	0.9	0.5
10	12	1.6	1.1	12	1.6	0.9
11	12	0.9	0.7	12	0.9	0.6
12	12	1.3	0.8	12	1.1	0.8
13	12	0.6	0.4	12	0.7	0.5
14	12	0.5	0.3	12	1.0	0.7
15	12	1.3	0.6	12	0.9	0.6
16	12	1.7	0.8	12	0.8	0.5
17	12	0.9	0.6	12	0.9	0.6
18	12	1.5	0.8	12	0.7	0.5
19	12	1.4	0.8	12	1.0	0.6
20	12	1.2	0.7	12	0.7	0.5
21	12	0.8	0.5	12	0.7	0.4
22	12	0.7	0.4	12	0.7	0.3
23	12	0.5	0.3	12	0.8	0.4
24	12	0.6	0.4	12	0.8	0.4
25	12	0.7	0.4	12	0.8	0.5
26	12	1.0	0.5	12	0.7	0.5
27	12	0.6	0.4	12	0.9	0.6
28	12	0.8	0.5	12	0.7	0.5
29	12	1.0	0.5	12	0.8	0.6
30	12	1.5	0.6	12	0.6	0.5
31	12	1.1	0.5	12	0.5	0.1

STA 50101R STA 50102R STA 50103R

TOTAL NO. SAMPLES	372	372	318
MAXIMUM FOR MONTH	2.0	1.8	1.4
MONTHLY MEAN	0.6	0.6	0.3

MONTH MAY 1971

LOCATION

MONTREAL

SUMMARY OF SOILING INDEX LEVELS
VALEURS CONDENSEES DES INDICES DE SOUILURE

STATION 50104C STATION 50105C STATION 50106R
DAY NO. OF MAX MEAN SAMP. NO. OF MAX MEAN SAMP. NO. OF MAX MEAN SAMP.

1	12	1.2	0.8	12	4.0	2.2	12	0.6	0.4
2	12	1.6	0.7	12	1.6	0.7	12	0.8	0.5
3	12	1.5	0.9	12	0.8	0.7	12	1.4	0.6
4	12	1.3	1.0	12	2.3	0.7	12	0.7	0.4
5	12	1.8	0.9	12	3.2	0.8	12	0.7	0.4
6	12	2.7	1.1	12	1.5	0.8	12	1.9	0.7
7	12	2.7	1.1	12	1.7	0.8	12	1.2	0.6
8	12	1.6	0.9	12	1.2	0.7	12	1.5	0.9
9	12	0.7	0.4	12	0.8	0.4	12	0.5	0.3
10	12	1.6	1.0	12	2.1	1.1	12	0.9	0.5
11	4	0.8	0.7	12	1.7	0.7	12	0.7	0.5
12	8	1.6	1.1	12	1.5	0.9	12	1.0	0.7
13	12	0.9	0.5	12	1.3	0.5	12	0.6	0.4
14	12	1.1	0.7	12	1.2	0.6	12	0.9	0.5
15	12	1.5	0.9	12	1.5	0.8	12	1.5	0.6
16	12	0.8	0.6	12	0.7	0.5	12	0.8	0.5
17	12	1.8	0.9	12	1.4	0.9	12	1.0	0.5
18	12	1.9	1.0	12	1.5	0.8	12	0.8	0.5
19	12	2.2	1.4	12	2.2	1.1	12	1.4	0.8
20	12	1.9	1.1	12	1.2	1.0	12	1.4	0.8
21	12	1.2	0.7	12	0.8	0.5	12	0.5	0.3
22	12	0.8	0.4	12	0.8	0.5	12	0.8	0.4
23	12	0.6	0.3	12	0.9	0.5	12	0.5	0.3
24	12	1.1	0.5	12	0.9	0.4	12	0.6	0.4
25	12	1.2	0.8	12	1.7	0.9	12	0.8	0.5
26	12	0.7	0.4	12	1.7	0.8	12	1.0	0.5
27	12	1.4	0.6	12	1.2	0.6	12	0.8	0.5
28	12	1.4	0.7	12	1.0	0.7	12	1.0	0.5
29	12	1.6	0.5	12	1.4	0.6	12	1.0	0.5
30	12	1.3	0.7	12	1.2	0.6	12	0.8	0.6
31	12	0.7	0.4	12	1.1	0.4	12	0.6	0.4

STA 50104C STA 50105C STA 50106R

TOTAL NO. SAMPLES	MAXIMUM FOR MONTH	MONTHLY MEAN	LOCATION	MONTH MAY 1971
360	2.7	0.8		
372	4.0	0.7		
372	1.9	0.5		
			MONTREAL	

SUMMARY OF SOILING INDEX LEVELS
VALEURS CONDENSEES DES INDICES DE SOILLURE

STATION 50107R	STATION	STATION	DAY	NO. OF MAX MEAN SAMP.	NO. OF MAX MEAN SAMP.	NO. OF MAX MEAN SAMP.
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1	12	1.0	0.6
2	12	0.7	0.4
3	12	1.4	0.6
4	12	1.0	0.6
5	12	1.6	0.9
6	12	1.4	0.7
7	12	1.4	0.6
8	12	2.2	0.9
9	12	3.2	1.4
10	12	1.5	0.8
11	12	1.6	0.6
12	12	0.8	0.5
13	12	1.2	0.1
14	12	1.0	0.5
15	12	1.6	0.8
16	12	0.9	0.6
17	12	0.8	0.4
18	12	0.8	0.5
19	12	1.4	0.5
20	12	0.7	0.6
21	12	1.3	0.7
22	12	0.8	0.6
23	12	1.2	0.7
24	12	1.2	0.6
25	12	1.6	0.9
26	12	1.4	0.9
27	12	1.6	1.1
28	12	1.5	1.0
29	12	1.3	0.8
30	12	1.0	0.7
31	12	1.6	0.7

STA 50107R STA STA

TOTAL NO. SAMPLES 372
MAXIMUM FOR MONTH 3.2
MONTHLY MEAN 0.7

MONTH MAY 1971 LOCATION MONTREAL

SUMMARY OF SOILING INDEX LEVELS
VALEURS CONDENSEES DES INDICES DE SOUILURE

STATION	STATION	STATION 50201C	DAY	NO. OF MAX MEAN SAMP.	NO. OF MAX MEAN SAMP.	NO. OF MAX MEAN SAMP.
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1	12	0.7	0.2
2	12	0.8	0.2
3	12	0.9	0.6
4	12	0.3	0.2
5	12	0.3	0.1
6	12	0.9	0.3
7	12	0.5	0.2
8	12	0.6	0.3
9	12	0.5	0.2
10	12	0.6	0.1
11	12	0.9	0.2
12	12	1.5	0.5
13	12	0.1	0.0
14	12	0.9	0.2
15	12	0.8	0.3
16	12	1.0	0.2
17	12	0.3	0.1
18	12	1.1	0.3
19	12	0.8	0.3
20	12	0.8	0.3
21	12	0.9	0.2
22	12	0.2	0.0
23	12	0.4	0.1
24	12	0.3	0.1
25	12	0.3	0.2
26	12	0.1	0.1
27	12	1.0	0.3
28	12	0.3	0.1
29	12	0.3	0.1
30	12	0.3	0.1
31	12	0.4	0.1

STA 50201C STA STA

TOTAL NO. SAMPLES 372
MAXIMUM FOR MONTH 1.5
MONTHLY MEAN 0.2

MONTH MAY 1971 LOCATION HULL

SUMMARY OF SOILING INDEX LEVELS
VALEURS CONDENSEES DES INDICES DE SOUILURE

STATION 60101C STATION 60102R STATION 60103C
DAY NO. OF MAX MEAN NO. OF MAX MEAN NO. OF MAX MEAN
SAMP. SAMP. SAMP.

1	12	0.9	0.4	12	0.0	0.0	12	0.2	0.1
2	12	0.9	0.1	12	0.1	0.0	12	0.2	0.1
3	12	0.6	0.2	12	0.2	0.0	12	0.3	0.1
4	12	0.3	0.1	12	0.0	0.0	12	0.2	0.0
5	12	1.7	0.4	12	0.1	0.0	12	0.3	0.1
6	12	0.3	0.1	12	0.1	0.0	12	0.1	0.0
7	12	0.7	0.2	12	0.1	0.0	12	0.3	0.1
8	12	0.3	0.1	12	0.1	0.1	12	0.5	0.2
9	12	0.1	0.0	12	0.1	0.0	12	1.1	0.3
10	12	0.3	0.2	12	0.1	0.0	12	1.6	0.2
11	12	0.4	0.2	12	0.1	0.0	12	0.3	0.2
12	12	0.8	0.4	12	0.3	0.1	12	0.5	0.2
13	12	0.4	0.2	12	0.1	0.0	12	0.3	0.1
14	12	0.6	0.2	12	0.3	0.1	12	0.3	0.1
15	12	0.7	0.2	12	0.3	0.0	12	1.0	0.3
16	12	0.3	0.1	12	0.2	0.1	12	1.0	0.2
17	12	0.3	0.1	12	0.2	0.1	12	0.2	0.1
18	12	0.4	0.2	12	0.2	0.1	12	1.0	0.2
19	12	1.0	0.4	12	0.1	0.0	12	1.3	0.5
20	12	0.6	0.3	12	0.3	0.1	12	1.0	0.3
21	12	1.4	0.2	12	0.1	0.0	12	0.3	0.1
22	12	0.2	0.0	12	0.1	0.0	12	0.2	0.0
23	12	1.4	0.3	12	0.0	0.0	12	0.3	0.1
24	12	0.3	0.1	12	0.0	0.0	12	0.9	0.2
25	12	0.3	0.1	12	0.4	0.1	12	0.4	0.1
26	12	0.5	0.1	12	0.2	0.0	12	0.2	0.1
27	12	0.3	0.1	12	0.3	0.1	12	0.4	0.1
28	11	0.6	0.2	12	0.1	0.0	5	0.4	0.3
29	12	0.5	0.2	12	0.3	0.0			
30	12	0.3	0.1	12	0.1	0.0			
31	12	0.3	0.1	12	0.0	0.0			

STA 60101C STA 60102R STA 60103C

TOTAL NO. SAMPLES 371 372 329
MAXIMUM FOR MONTH 1.7 0.4 1.6
MONTHLY MEAN 0.2 0.0 0.1

MONTH MAY 1971 LOCATION OTTAWA

SUMMARY OF SOILING INDEX LEVELS
VALEURS CONDENSEES DES INDICES DE SOUILURE

STATION	STATION	NO. OF MAX MEAN SAMP.	NO. OF MAX MEAN SAMP.	DAY
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24	0.8	0.5	1	24
24	0.9	0.5	2	24
24	0.7	0.4	3	24
24	1.0	0.6	4	24
24	1.1	0.5	5	24
24	1.0	0.5	6	24
24	1.0	0.5	7	24
24	0.8	0.4	8	24
24	0.9	0.5	9	24
24	1.2	0.5	10	24
24	1.1	0.6	11	24
24	0.8	0.3	12	24
24	1.5	0.6	13	24
24	0.7	0.4	14	24
24	0.7	0.5	15	24
24	1.1	0.6	16	24
24	0.8	0.4	17	24
24	0.6	0.5	18	24
24	0.9	0.5	19	24
24	1.8	0.5	20	24
24	2.4	0.6	21	24
24	0.6	0.3	22	24
24	1.0	0.3	23	24
24	0.9	0.4	24	24
24	1.3	0.5	25	24
24	1.1	0.6	26	24
24	0.7	0.4	27	24
24	0.8	0.4	28	24
24	1.8	0.7	29	24
24	2.1	0.6	30	24
24	0.8	0.4	31	24

STA 60204C STA STA

TOTAL NO. SAMPLES 744
MAXIMUM FOR MONTH 2.4
MONTHLY MEAN 0.5

MONTH MAY 1971 LOCATION WINDSOR

SUMMARY OF SOILING INDEX LEVELS
VALEURS CONDENSEES DES INDICES DE SOUILURE

STATION 60401C STATION 60402R STATION 60403I
DAY NO. OF MAX MEAN NO. OF MAX MEAN NO. OF MAX MEAN
SAMP. SAMP. SAMP.

1	24	1.7	0.8	12	0.6	0.3	12	0.7	0.3
2	24	1.1	0.7	12	0.4	0.2	12	0.7	0.3
3	24	1.2	0.5	11	0.2	0.1	12	0.5	0.2
4	24	0.8	0.3	12	0.4	0.1	12	0.5	0.2
5	24	2.4	1.1	12	1.2	0.4	12	0.9	0.5
6	24	0.9	0.6	12	0.5	0.2	12	0.7	0.4
7	24	2.0	0.6	12	0.8	0.3	12	0.7	0.3
8	24	0.8	0.5	12	0.6	0.3	12	0.7	0.3
9	24	1.3	0.7	12	0.7	0.3	12	0.6	0.2
10	24	1.4	0.7	11	0.4	0.1	12	0.7	0.3
11	24	2.3	1.0	12	0.6	0.2	12	1.0	0.5
12	24	1.6	0.7	12	0.8	0.4	12	0.6	0.4
13	24	1.0	0.5	12	0.7	0.3	12	0.4	0.2
14	24	1.0	0.4	12	0.4	0.2	12	0.5	0.2
15	24	2.0	1.0	12	0.3	0.1	12	0.9	0.5
16	24	1.2	0.6	12	0.7	0.4	12	0.5	0.2
17	24	0.9	0.4	12	0.4	0.2	12	1.2	0.3
18	24	1.7	1.0	12	0.3	0.1	12	1.2	0.5
19	24	2.1	1.3	12	0.6	0.3	12	0.8	0.5
20	24	1.0	0.5	12	0.7	0.4	12	0.4	0.2
21	24	1.1	0.4	12	0.4	0.2	12	0.5	0.3
22	24	0.4	0.2	12	0.3	0.1	12	0.2	0.1
23	24	0.7	0.3	12	0.3	0.1	12	0.8	0.2
24	24	0.6	0.4	12	0.4	0.1	12	0.5	0.3
25	24	1.3	0.6	12	0.5	0.2	12	0.7	0.3
26	24	0.4	0.3	12	0.5	0.2	12	0.4	0.1
27	24	1.3	0.5	12	0.5	0.2	12	0.6	0.2
28	24	1.4	0.7	12	0.6	0.2	12	0.8	0.3
29	24	2.0	0.8	12	0.6	0.3	12	0.8	0.3
30	24	1.7	0.8	12	0.7	0.3	12	0.4	0.2
31	24	1.0	0.5	12	0.4	0.1	12	0.2	0.1

STA 60401C STA 60402R STA 60403I

TOTAL NO. SAMPLES 744 370 372
MAXIMUM FOR MONTH 2.4 1.2 1.2
MONTHLY MEAN 0.6 0.2 0.3

MONTH MAY 1971

LOCATION

TORONTO

SUMMARY OF SOILING INDEX LEVELS
VALEURS CONDENSEES DES INDICES DE SOILLURE

STATION	STATION	STATION 60407C	DAY	NO. OF MAX MEAN SAMP.	NO. OF MAX MEAN SAMP.	NO. OF MAX MEAN SAMP.
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1	12	1.4	0.5
2	12	0.6	0.3
3	12	0.5	0.3
4	12	0.6	0.2
5	12	1.5	0.6
6	12	0.6	0.4
7	12	0.9	0.4
8	12	0.5	0.3
9	12	1.2	0.5
10	12	0.7	0.4
11	12	1.7	0.8
12	12	1.1	0.4
13	12	0.5	0.3
14	11	0.4	0.2
15	12	0.9	0.4
16	12	0.5	0.2
17	12	0.7	0.3
18	12	0.9	0.4
19	12	1.0	0.7
20	12	1.2	0.4
21	11	0.7	0.3
22	12	0.6	0.2
23	12	0.7	0.3
24	12	0.4	0.2
25	12	1.4	0.6
26	12	0.7	0.2
27	12	0.6	0.3
28	12	1.0	0.5
29	12	1.5	0.6
30	12	1.6	0.6
31	12	0.6	0.3

STA 60407C STA STA

TOTAL NO. SAMPLES 370

MAXIMUM FOR MONTH

1.7

MONTHLY MEAN

0.4

MONTH MAY 1971

LOCATION

TORONTO

SUMMARY OF SOILING INDEX LEVELS
VALEURS CONDENSEES DES INDICES DE SOILLURE

STATION 60501C STATION 60505R STATION 60506I
DAY NO. OF MAX MEAN NO. OF MAX MEAN NO. OF MAX MEAN
SAMP. SAMP. SAMP.

1	24	3.0	1.0	12	0.7	0.3
2	24	2.9	0.6	12	0.3	0.1
3	24	0.8	0.3	12	0.9	0.4
4	24	1.1	0.6	12	0.9	0.3
5	24	2.3	1.2	11	1.5	0.6
6	24	2.3	1.0	12	0.4	0.2
7	24	2.5	1.3	12	0.9	0.3
8	24	2.2	1.2	12	0.4	0.1
9	24	2.2	0.9	12	0.9	0.3
10	24	1.5	0.6	12	1.0	0.5
11	24	2.1	1.3	12	1.0	0.5
12	24	2.2	0.8	12	0.8	0.4
13	24	0.8	0.4	12	0.9	0.4
14	24	0.9	0.4	12	0.5	0.3
15	24	0.9	0.5	12	0.7	0.3
16	24	1.2	0.4	12	0.6	0.3
17	24	0.8	0.4	12	0.5	0.2
18	24	0.9	0.5	12	1.0	0.5
19	24	1.0	0.6	12	1.6	0.6
20	24	0.8	0.4	12	1.1	0.8
21	24	1.1	0.5	12	1.3	0.4
22	24	1.1	0.3	12	0.3	0.1
23	24	2.2	0.9	12	0.2	0.1
24	24	1.3	0.9	12	0.3	0.2
25	24	3.3	0.6	12	1.2	0.8
26	24	0.8	0.3	12	1.2	0.5
27	24	1.3	0.6	12	0.7	0.3
28	24	1.4	0.7	12	1.1	0.5
29	24	2.1	0.9	12	0.7	0.3
30	24	1.8	0.8	12	0.7	0.3
31	24	1.3	0.6	12	0.3	0.1

TEMPORARILY DISCONTINUED

STA 60501C STA 60505R STA 60506I

TOTAL NO. SAMPLES

744

371

MAXIMUM FOR MONTH

3.3

1.6

MONTHLY MEAN

0.7

0.3

MONTH MAY 1971

LOCATION

HAMILTON

SUMMARY OF SOILING INDEX LEVELS
VALEURS CONDENSEES DES INDICES DE SOILLURE

STATION	STATION 60602R	STATION 60601C	DAY	NO. OF MAX MEAN SAMP.	NO. OF MAX MEAN SAMP.	NO. OF MAX MEAN SAMP.
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1	12	0.3	0.1	24	1.2	0.5
2	12	0.2	0.1	24	0.8	0.3
3	12	0.7	0.2	24	0.7	0.3
4	11	0.5	0.2	24	0.8	0.3
5	12	1.2	0.4	24	1.0	0.4
6	12	0.6	0.3	24	0.5	0.2
7	12	0.8	0.5	24	0.7	0.3
8	12	0.8	0.3	24	1.6	0.4
9	12	0.3	0.2	24	1.3	0.2
10	12	0.9	0.3	24	0.6	0.2
11	12	0.8	0.4	24	1.6	0.6
12	11	0.5	0.2	24	0.8	0.3
13	12	0.6	0.3	24	0.7	0.2
14	12	0.7	0.2	24	0.3	0.1
15	12	0.4	0.2	24	0.5	0.4
16	12	0.6	0.3	24	0.5	0.2
17	12	0.4	0.2	24	0.4	0.2
18	10	0.7	0.3	24	0.9	0.4
19	12	0.6	0.3	24	0.6	0.3
20	12	0.4	0.2	24	1.1	0.3
21	12	0.3	0.1	24	0.8	0.2
22	12	0.4	0.2	24	0.3	0.1
23	12	0.2	0.0	24	0.3	0.1
24	12	0.2	0.1	24	0.3	0.2
25	12	0.6	0.2	24	0.4	0.2
26	12	0.4	0.2	24	0.4	0.1
27	12	0.8	0.2	24	0.6	0.1
28	12	1.0	0.4	24	0.6	0.2
29	12	0.5	0.3	24	0.7	0.2
30	12	0.3	0.1	24	0.3	0.1
31	12	0.4	0.2	24	0.4	0.1

STA 60601C STA 60602R STA

TOTAL NO. SAMPLES

368

744

MAXIMUM FOR MONTH

1.2

1.6

MONTHLY MEAN

0.2

0.3

MONTH MAY 1971

LOCATION

SUDBURY

SUMMARY OF SOILING INDEX LEVELS
VALEURS CONDENSEES DES INDICES DE SOILLURE

STATION 90113C STATION 90115I STATION 90118R
DAY NO. OF MAX MEAN SAMP. NO. OF MAX MEAN SAMP. NO. OF MAX MEAN SAMP.

1	12	0.4	0.1	12	0.3	0.1	12	0.7	0.2
2	12	0.2	0.1	12	0.2	0.1	12	0.8	0.2
3	12	1.0	0.3	12	0.5	0.1	12	0.8	0.2
4	12	0.6	0.2	12	0.6	0.1	12	0.3	0.2
5	12	0.5	0.1	12	0.3	0.1	12	0.3	0.1
6	12	0.5	0.2	12	0.3	0.1	12	0.6	0.1
7	12	0.4	0.2	12	0.3	0.1	12	0.3	0.1
8	12	0.6	0.2	12	0.5	0.1	12	0.3	0.1
9	12	0.6	0.2	12	0.5	0.2	12	0.3	0.1
10	12	0.5	0.2	12	0.3	0.2	12	0.3	0.1
11	12	0.8	0.3	12	0.3	0.1	12	0.2	0.1
12	12	0.6	0.2	12	0.3	0.1	12	0.3	0.1
13	12	0.6	0.2	12	0.5	0.1	12	0.4	0.1
14	12	0.3	0.2	12	0.5	0.1	12	0.3	0.2
15	12	0.3	0.2	12	0.3	0.1	12	0.2	0.1
16	12	0.3	0.1	12	0.4	0.1	12	0.3	0.1
17	12	0.3	0.1	12	0.3	0.1	12	0.5	0.2
18	12	0.8	0.3	12	0.5	0.1	12	0.3	0.2
19	12	0.8	0.3	12	0.5	0.1	12	0.4	0.1
20	12	0.5	0.3	12	0.2	0.0	12	0.5	0.2
21	12	0.8	0.3	12	0.3	0.1	12	0.4	0.2
22	12	0.5	0.2	12	0.3	0.1	12	0.6	0.2
23	12	0.6	0.2	12	0.3	0.1	12	0.5	0.2
24	12	0.3	0.1	12	0.3	0.1	12	0.4	0.1
25	12	0.5	0.3	12	0.3	0.1	12	0.3	0.1
26	12	0.5	0.2	12	0.5	0.1	12	0.3	0.1
27	12	0.4	0.2	12	0.3	0.1	12	0.3	0.2
28	12	0.4	0.2	12	0.4	0.1	12	0.5	0.1
29	12	0.4	0.1	12	0.3	0.1	12	0.2	0.1
30	12	0.3	0.1	12	0.4	0.1	12	0.3	0.1
31	12	0.4	0.1	12	0.4	0.1	12	0.3	0.1

STA 90113C STA 90115I STA 90118R

TOTAL NO. SAMPLES

372

372

372

MAXIMUM FOR MONTH

1.0

0.6

0.8

MONTHLY MEAN

0.2

0.1

0.1

MONTH MAY 1971

LOCATION

EDMONTON

SUMMARY OF SOILING INDEX LEVELS
VALEURS CONDENSEES DES INDICES DE SOILLURE

DAY	NO. OF MAX MEAN SAMP.	STATION 90204C	STATION 90216R	STATION 90218I
1	12	0.6	0.1	0.3
2	12	0.4	0.1	0.7
3	12	0.8	0.3	1.0
4	12	0.8	0.3	1.2
5	12	0.3	0.1	0.8
6	12	0.7	0.2	0.5
7	12	0.6	0.2	0.7
8	12	0.8	0.2	0.7
9	12	0.4	0.2	0.3
10	12	0.5	0.2	0.4
11	12	0.7	0.2	0.7
12	12	0.6	0.2	0.5
13	12	0.3	0.1	0.5
14	12	0.3	0.1	0.5
15	12	0.4	0.1	0.7
16	12	0.3	0.2	0.3
17	12	0.5	0.1	0.4
18	12	0.3	0.1	0.4
19	12	0.7	0.2	0.7
20	12	0.3	0.1	0.5
21	12	0.3	0.1	0.4
22	12	0.8	0.1	0.5
23	12	0.7	0.2	0.7
24	12	1.0	0.1	0.4
25	12	1.0	0.0	0.5
26	12	0.4	0.4	0.6
27	12	0.3	1.1	1.8
28	12	0.3	0.3	0.4
29	12	0.2	0.2	0.4
30	12	0.3	0.2	0.3
31	12	0.4	0.1	0.1

STA 90204C STA 90216R STA 90218I

TOTAL NO. SAMPLES	MAXIMUM FOR MONTH	MONTHLY MEAN	LOCATION	CALGARY
372	1.0	0.2	0.2	0.2
372	6.3	0.2	0.2	0.2
372	1.8	0.2	0.2	0.2

MONTH MAY 1971

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 50 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.

Particulates in 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 50 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

30101	C,F	HALIFAX, N.S. TECHNICAL COLLEGE
30102	R,F	HALIFAX, DALHOUSIE UNIVERSITY
30304	R,F	SYDNEY, CITY HOSPITAL
40101	C,F	FREDERICTON, WOODSTOCK ROAD
40201	C,F	SAINT JOHN, 110 CHARLOTTE ST.
40301	C,F	MONCTON, POST OFFICE
50102	R,F	MONTREAL, BOTANICAL GARDENS
50103	R,F	MONTREAL, POINTE AUX TREMBLES
50105	C,F	MONTREAL, 1212 DUMMOND
50106	R,F	MONTREAL, VILLE ST LAURENT
50107	R,F	MONTREAL, VILLE LASALLE
50201	C,F	HULL, RUE PRINCIPALE
60101	C,F	OTTAWA, SLATER AND ELGIN
60201	I,F	WINDSOR, MORTON TERMINAL DOCK
60202	C,F	WINDSOR, CITY HALL
60203	R,F	WINDSOR-TECUMSEH WATER WORKS
60301	R,F	KINGSTON, QUEEN'S UNIVERSITY
60401	C,P	TORONTO, 67 COLLEGE STREET
60402	R,P	TORONTO, DON MILLS, SCI. CENTRE
60403	I,P	TORONTO, ETOBICOKE, EVANS-ARNOLD
60501	C,P	HAMILTON, BARTON AND WENTWORTH
60503	R,P	HAMILTON, CHATHAM-FRID
60505	R,P	HAMILTON, NORTH PARK
60601	C,P	SUDBURY, 50 CEDAR STREET

60602	R,P	SUDBURY, ASH STREET
60701	C,P	SAULT STE. MARIE, PROV. ONT. BLDG.
60801	C,P	THUNDER BAY, 14 ALGOMA STREET
60901	C,P	LONDON, KING-RECTORRY
60902	C,P	LONDON, 372 DUNDAS
61001	C,P	SARNIA, 156 VICTORIA ST.
61101	C,P	PETERBOROUGH, FIRE HALL
70101	C,F	WINNIPEG, BRADWAY AT KENNEDY
70102	R,F	WINNIPEG, PORTAGE AT WOODLAWN
70103	R,F	WINNIPEG, HARTFORD AT AIKENS
70104	I,F	WINNIPEG, UNION STOCK YARDS
80101	C,F	REGINA, 1955 SMITH STREET
80102	R,F	REGINA, 3211 ALBERT STREET
80202	C,F	SASKATOON, CITY LIBRARY
80203	R,F	SASKATOON, MOUNT ROYAL LODGE
90101	C,F	EDMONTON, 98TH AND JASPER
90102	I,F	EDMONTON, 46TH ST. AND 104TH AVE.
90103	R,F	EDMONTON, 146TH ST. AND 92ND AVE.
90201	I,F	CALGARY, 6411 20TH ST., S.E.
90203	R,F	CALGARY, 407 31 AVE., N.W.
90204	C,F	CALGARY, 7TH AVE. AND 2ND ST., S.E.
90301	C,F	RED DEER, 4720 49TH STREET
90401	C,F	MEDICINE HAT, 770 FIRST ST. S.E.
90501	C,F	LETHBRIDGE, 13 ST. AND 9 AVE. S.
00101	I,F	VANCOUVER, VANCOUVER PILE DRIVING
00102	R,F	VANCOUVER, 100 RICHMOND ST.

VANCOUVER, 27TH & ONTARIO	R, F	00104
VANCOUVER, 739 W. HASTINGS ST.	I, F	00105
PRINCE GEORGE, POST OFFICE	C, F	00201
VICTORIA, POLICE STN. (HERALD ST.)	C, F	00301

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

STATION	DATE	30101C	30102R
		T.P. LEAD	T.P. LEAD
		T.P. LEAD	T.P. LEAD

4
10
17
23
31

86 0.3
71 0.3
69 0.6

126 0.8

NO. SAMPLES
 MEAN
 MAX.

3 3
 75 0.4
 86 0.6

1 1

MONTH MAY 1971
 LOCATION
 HALIFAX

STATION	DATE	T.O.P. LEAD	T.O.P. LEAD	T.O.P. LEAD
	30304R			

4
10
17
23
31

22 56
0.2 0.3

NO. SAMPLES	2	2
MEAN	39	0.3
MAX.	56	0.3

LOCATION

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

STATION	DATE	40101C	T.P. LEAD	T.P. LEAD	T.P. LEAD
	4	18	0.3		
	10				
	17				
	23				
	31				

NO. SAMPLES 1 1 1
 MEAN
 MAX.

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

STATION	DATE	40201C	T.P. LEAD	T.P. LEAD	T.P. LEAD
	4	50	0.3	88	0.4
	12	88	0.4	45	0.4
	17	45	0.4	40	0.3
	23	40	0.3		
	31				

NO. SAMPLES	4	4
MEAN	56	0.3
MAX.	88	0.4

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

STATION
 DATE 40301C
 T.P. LEAD T.P. LEAD T.P. LEAD

4 74 0.4
 10 113 0.8
 17 40 0.3
 23 17 0.5
 31 60 0.5

NO. SAMPLES 5 5
 MEAN 61 0.5
 MAX. 113 0.8

MONTH MAY 1971 LOCATION MONCTON

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

STATION	DATE	T.P. LEAD		T.P. LEAD		T.P. LEAD	
50102R	40	1.3	167	0.8	57	0.5	50105C
	212	1.9	147	1.4	216	1.5	
	156	1.7	104	0.9	44	1.1	
	79	0.6	76	1.4	157	1.6	
	31				151	0.8	

NO. SAMPLES	MEAN	MAX.	T.P. LEAD		T.P. LEAD		T.P. LEAD	
4	122	212	4	1.4	4	1.4	5	1.6
4	123	167	4	1.1	4	1.4	5	1.1
5	125	216	5	1.1	5	1.4	5	1.6

MONTH MAY 1971 LOCATION MONTREAL

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

STATION	DATE	50106R		50107R	
		T.P. LEAD		T.P. LEAD	

4	23	0.8	172	0.9
10	178	1.6	220	1.1
17	132	1.4	311	3.7
23	49	0.7		
31	132	1.0	270	4.9

NO. SAMPLES	5	5	4	4
MEAN	103	1.1	243	2.6
MAX.	178	1.6	311	4.9

MONTH MAY 1971 LOCATION MONTREAL

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

STATION	DATE	50201C	T.P. LEAD	T.P. LEAD	T.P. LEAD
	4	42	0.4	154	1.6
	10	154	1.6	120	1.1
	17	120	1.1	96	0.6
	23	96	0.6	141	0.7
	31	141	0.7		

NO. SAMPLES	5	5	
MEAN	111	0.9	
MAX.	154	1.6	

STATION
 DATE
 60101C
 T.P. LEAD T.P. LEAD T.P. LEAD

4 54 0.6
 10 166 1.7
 17 101 1.1
 23 61 0.6
 31 109 0.8

NO. SAMPLES 5 5
 MEAN 98 1.0
 MAX. 166 1.7

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

STATION	DATE	T.P. LEAD			T.P. LEAD			T.P. LEAD		
	602011									
		148	0.7	138	1.6	104	1.1	148	0.7	138
		136	0.6	144	0.9	117	0.3	136	0.6	144
		80	0.5	82	0.8	59	0.7	80	0.5	82
		118	0.8	155	0.9	57	0.3	118	0.8	155
	31									

NO. SAMPLES	MEAN	MAX.	148	0.8	155	1.6	117	1.1
4	120							
4	120							
5	132							
5	132							
5	86							
5	86							

MONTH MAY 1971 LOCATION WINDSOR

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

STATION
 60301R
 DATE
 T.P. LEAD T.P. LEAD T.P. LEAD
 T.P. LEAD

4	79	0.4
11	117	0.5
17	88	0.3
23	46	0.7
31	104	0.4

NO. SAMPLES	5	5
MEAN	87	0.5
MAX.	117	0.7

MONTH MAY 1971
 LOCATION
 KINGSTON

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

STATION	DATE	60401C	60402R	60403I
		T.O.P. LEAD	T.O.P. LEAD	T.O.P. LEAD

4	85	55	237	146
10	155	145	232	127
16	124	151	232	127
22	105	52	127	146
28	161	100	100	146

NO. SAMPLES	5	5	4
MEAN	126	101	186
MAX.	161	151	237

MONTH MAY 1971 LOCATION TORONTO

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

STATION	DATE	T.P. LEAD	T.P. LEAD	T.P. LEAD
60501C	8	320	198	101
	16	163	122	361
	24	177	88	

NO. SAMPLES	MEAN	MAX.
3	220	320
3	136	198
2	231	361

MONTH MAY 1971 LOCATION HAMILTON

VALEURS CONDENSEES DES PARTICULES EN SUSPENSION (PB INCLUS)

MONTH MAY 1971 LOCATION SUBBURY

NO. SAMPLES	3
MEAN	59
MAX.	79

24	22
16	77
8	79

T.O.P. LEAD T.O.P. LEAD T.O.P. LEAD

60701C

DATE _____

STAT ION

SUMMARY OF TOTAL PARTICULATES AND LEAD
VAL EURS CONDENSEES DES PARTICULES EN SUSPENSION (P B INCLUS)

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

STATION
 60801C
 DATE
 T.O.P. LEAD T.O.P. LEAD T.O.P. LEAD

1
 9
 17
 25
 49
 50
 141

NO. SAMPLES 3
 MEAN 80
 MAX. 141

MONTH MAY 1971
 LOCATION THUNDER BAY

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

STATION	DATE	T.P. LEAD	T.P. LEAD	T.P. LEAD
60901C	8 16 24	250	150	112 93 81
60902C				

NO. SAMPLES	MEAN	MAX.
2	200	250
3	95	112

MONTH MAY 1971 LOCATION LONDON

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

STATION	DATE	61001C	T.P. LEAD	T.P. LEAD	T.P. LEAD
	7	115			
	13	85			
	19	333			
	25	85			
	31	97			

NO. SAMPLES	5
MEAN	143
MAX.	333

MONTH	MAY	1971
LOCATION	SARNIA	

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

STATION	DATE	61101C	T.P. LEAD	T.P. LEAD	T.P. LEAD
---------	------	--------	-----------	-----------	-----------

8	59
16	94
24	

NO. SAMPLES	2
MEAN	77
MAX.	94

MONTH	MAY	1971
LOCATION	PETERBOROUGH	

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

STATION	DATE	70101C		70102R		70103R	
		T.O.P. LEAD		T.O.P. LEAD		T.O.P. LEAD	
	4	98	0.7	87	0.8	53	0.3
	10	66	0.6	26	0.3	27	0.1
	17	80	0.6	43	4.3	37	0.2
	23	38	0.3	28	0.2	27	0.2
	31	95	0.6	104	0.5	69	0.3

NO. SAMPLES	MEAN	MAX.	5	5	5	5	5
5	75	98	5	57	104	43	69
5	0.6	0.7	5	1.2	4.3	0.2	0.3

MONTH MAY 1971 LOCATION WINNIPEG

STATION
 701041
 DATE
 T.P. LEAD T.P. LEAD T.P. LEAD
 T.P. LEAD

4	136	0.4
10	102	0.3
17	87	0.3
23	42	0.2
31	102	0.4

NO. SAMPLES	5	5
MEAN	94	0.3
MAX.	136	0.4

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

STATION	DATE	80101C		80102R	
		T.P. LEAD		T.P. LEAD	
	4	126	0.6	73	0.4
	10	130	0.9	93	0.5
	17			69	0.3
	23	56	0.6	40	0.5
	31	78	0.4	71	0.2

NO. SAMPLES	4	4	5	5
MEAN	98	0.6	69	0.4
MAX.	130	0.9	93	0.5

MONTH MAY 1971 LOCATION REGINA

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

STATION	DATE	T.P. LEAD	T.P. LEAD	T.P. LEAD
	80202C		80203R	

4	126	0.7	96	0.3
10	90	0.5	81	0.3
17	266	0.5	177	0.3
23	80	0.3	74	0.2
31	127	0.6	91	0.2

NO. SAMPLES	MEAN	MAX.
5	138	266
5	0.5	0.7
5	104	177
5	0.3	0.3

MONTH MAY 1971 LOCATION SASKATOON

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

STATION	DATE	90101C	901021	90103R
		T.P. LEAD	T.P. LEAD	T.P. LEAD
	4	94	116	136
	10	184	146	158
	17	92	83	117
	23	90	66	60
	31	104	113	96
		0.4	0.2	0.2
		0.5	0.2	0.2
		0.6	0.5	0.4
		0.4	0.2	0.2
		0.4	0.2	0.3

NO. SAMPLES	MEAN	MAX.
5	113	184
5	0.5	0.6
5	105	146
5	0.3	0.5
5	113	158
5	0.3	0.4

MONTH MAY 1971 LOCATION EDMONTON

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

DATE	STATION			T.O.P. LEAD			T.O.P. LEAD		
902011	90203R			90204C					
4	220	0.6	177	0.4	164	0.8	164	0.8	0.8
10	229	0.5	296	0.5	156	0.8	156	0.8	0.8
17	92	0.4	34	0.3	77	0.9	77	0.9	0.9
23	82	0.3	85	0.6	81	0.4	81	0.4	0.4
31	38	0.1	30	0.7	88	1.3	88	1.3	1.3

NO. SAMPLES	5	5	5	5	5	5
MEAN	132	0.4	124	0.5	113	0.8
MAX.	229	0.6	296	0.7	164	1.3

MONTH MAY 1971 LOCATION CALGARY

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

STATION		DATE		90301C		T.P. LEAD		T.P. LEAD		T.P. LEAD	

4
10
17
23
31

124 0.4
73 0.2

NO. SAMPLES 2 2
MEAN 99 0.3
MAX. 124 0.4

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

STATION	DATE	90401C	T.P. LEAD	T.P. LEAD	T.P. LEAD
	4	36	0.2		
	10	77	0.5		
	17	39	0.3		
	23	59	0.3		
	31				

NO. SAMPLES	4	4
MEAN	53	0.3
MAX.	77	0.5

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

STATION	DATE	90501C	T.P. LEAD	T.P. LEAD	T.P. LEAD
	4	35	0.2		
	10	67	0.3		
	17	31	0.4		
	23	51	0.2		
	31	28	0.4		

NO. SAMPLES	5	5	
MEAN	42	0.3	
MAX.	67	0.4	

MONTH MAY 1971 LOCATION LETHBRIDGE

STATION	DATE	T.P.	LEAD	T.P.	LEAD	T.P.	LEAD	T.P.	LEAD	NO. SAMPLES	MEAN	MAX.
001011	4	108	1.0	108	0.5	97	0.5	101	0.7	4	101	119
00102R	10	119	0.8	177	1.5	108	0.5	97	0.8	5	97	177
00104R	17	80	0.5	64	0.7	56	0.6	75	0.7	5	75	94
	23			38	0.5	94	1.2					
	31	97	0.5	98	0.5	90	0.4					

STATION
 001051
 DATE
 T.P. LEAD T.P. LEAD T.P. LEAD
 LEAD

4	101	1.0
10	89	0.8
17	68	0.7
23	62	0.7
31	72	0.8

NO. SAMPLES	MEAN	MAX.
5	78	101
5	0.8	1.0

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

STATION	DATE	00201C	T.P. LEAD	T.P. LEAD	T.P. LEAD
	4	133	0.9		
	10				
	17				
	23				
	31				

NO. SAMPLES 1 1 1
 MEAN
 MAX.

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

STATION	00301C		DATE	
	T.O.P.	LEAD	T.O.P.	LEAD
4	53	0.3	10	80
17	39	0.5	17	39
26	48	0.4	26	48
31	47	0.6	31	47

NO. SAMPLES	5	5	5
MEAN	53	53	0.6
MAX.	80	80	0.9

MONTH MAY 1971 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. It is then usually analyzed for the total insoluble, soluble, ash and combustible material present in the sample. In some cases, to meet a particular need, the sample is also analyzed for the presence of a tracer substance such as iron. Dustfall results are expressed in units of tons per square mile per month.

Sulphation Rate

The sulphation rate is measured by exposing lead peroxide candles of specified surface area to the ambient air for a 30 day period. The candles react with sulphur compounds in the atmosphere producing lead sulphate. 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. Elles sont ensuite habituellement analysées pour déterminer les quantités de matières insolubles, de matières solubles, de matières combustibles et de cendres présentes dans l'échantillon. Dans certains cas, pour répondre à un besoin particulier, l'échantillon est aussi analysé pour déterminer la présence de substances indicatrices comme le fer. 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 de peroxyde de plomb ayant une surface déterminée. Les bougies réagissent avec les composés de soufre de l'atmosphère pour produire du 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 ATMOSPHÉRIQUES

* DENOTES STATIONS MEASURING SULPHATION RATE

SIGNIFIE STATIONS MESURANT L'INDICE DE FORMATION DE SULFATE

30101	C*	HALIFAX, N.S. TECHNICAL COLLEGE
30102	R*	HALIFAX, DALHOUSIE UNIVERSITY
30105	R*	HALIFAX, ST. MARY'S
30106	R*	HALIFAX, FAIRVIEW SCHOOL
30108	C*	HALIFAX, FEDERAL BUILDING
30109	R*	HALIFAX, TELEPHONE BUILDING
30301	R	SYDNEY, MURPHY ROAD
30302	I*	SYDNEY, SYDNEY STEEL CORPORATION
30305	R*	SYDNEY, VICTORIA ROAD (WHITNEY SCH.)
30309	I	SYDNEY, PT. EDWARD, RICHMOND PLASTICS
30401	R*	GLACE BAY, LAKE ROAD
30403	R*	GLACE BAY, PORT CALEDONIA
30406	I*	GLACE BAY, PUMPING STATION ROAD
50102	R*	MONTREAL, BOTANICAL GARDENS
50103	R*	MONTREAL, POINTE AUX TREMBLES
50106	R*	MONTREAL, VILLE ST. LAURENT
50107	R*	MONTREAL, VILLE LASALLE
50201	C	HULL, RUE PRINCIPALE
60101	C	OTTAWA, SLATER AND ELGIN
60102	R	OTTAWA, EXPERIMENTAL FARM
60103	C	OTTAWA, GILMOUR STREET
60201	I	WINDSOR, MORTON TERMINAL DOCK

60202	C	WINDSOR, CITY HALL
60203	R	WINDSOR-TECUMSEH WATER WORKS
60206	C	WINDSOR, 3120 DOUGALL AVE.
60209	R	WINDSOR, E. C. ROWE AND JEFFERSON
60210	R	WINDSOR, LESPERANCE NEAR PRINCE ST.
60401	C*	TORONTO, 67 COLLEGE STREET
60403	I*	TORONTO, ETOBICOKE, EVANS-ARNOLD
60404	R*	TORONTO, 5126 YONGE STREET
60405	I*	TORONTO, JOHN ST. PUMP STATION
60406	R*	TORONTO, ROSEHILL RESERVOIR
60408	C*	TORONTO, DANFORTH-ROBINSON
60501	C*	HAMILTON, BARTON AND WENTWORTH
60502	I*	HAMILTON, BURLINGTON-GAGE
60503	R*	HAMILTON, CHATHAM-FRID
60504	R*	HAMILTON, FENNEL-W. ST.
60507	C*	HAMILTON, HUGHSON-HUNTER
60508	R*	HAMILTON, MCMASTER UNIVERSITY
60701	C*	SAULT STE. MARIE, PROV. ONT. BLDG.
60702	R*	SAULT STE. MARIE, ANNA MCREE P. O. S.
60703	I*	SAULT STE. MARIE, BAYVIEW-YONGE
60802	C*	THUNDER BAY, 185 GORE ST.
60803	R*	THUNDER BAY, ST. BERNARD SCHOOL
60804	R*	THUNDER BAY, 205 STRATHCONA
60901	C*	LONDON, KING-RECTORV
61001	C*	SARNIA, 156 VICTORIA ST.
61002	R*	SARNIA, YACHT CLUB

61003	I*	SARNIA, LAMBTON COLLEGE
70105	R	WINNIPEG, MARTIN & HENDERSON HWY
70108	R	WINNIPEG, YOUNG AND SARGENT
70113	I	WINNIPEG, WINDERMERE AND ROCKMAN
70115	I	WINNIPEG, PORTAGE AND MINTO
70116	C	WINNIPEG, SMITH AND KING
70117	R	WINNIPEG, CONTROL STATION (MORDEN)
90104	C*	EDMONTON, 100TH ST. AND 103RD AVE.
90105	R*	EDMONTON (N.W.), 135 ST. & 132 AVE.
90106	R*	EDMONTON, 54 ST. & 101A AVE.
90112	I*	EDMONTON, HWY 16A E. AND 10TH ST.
90119	C*	EDMONTON, 116 STREET AND 88 AVE.
90120	I*	EDMONTON, 66 STREET AND 127 AVE.
90201	I*	CALGARY, 6411 20TH ST., S.E.
90204	C*	CALGARY, 7 AVE. & 2 ST., S.E.
90205	R*	CALGARY, 32 AVE. & 14 ST., S.W.
90206	R*	CALGARY, 62 CAMBRIDGE ROAD
90210	I*	CALGARY, 58 AVE. & BLACKFOOT TRAIL
90219	C*	CALGARY, 620-7 AVENUE S. W.

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

DUSTFALL					
STATION	SOLIDS				
	TOTAL	INSOL.	SOL.	ASH	COMB.
TRACER					
CHLORIDE					
30101C	8.0	4.5	3.5	1.4	0.7
30102R	14.2	8.9	5.4	1.4	0.6
30105R	10.8	6.0	4.8	1.3	0.4
30106R	9.6	5.5	4.1	1.5	0.4
30108C	14.0	7.9	6.1	1.4	0.9
30109R	8.3	5.1	3.2	1.5	0.1
MEAN					
	10.8	6.3	4.5	1.4	0.5
MAX.					
	14.2	8.8	6.1	1.5	0.9
MIN.					
	8.0	4.5	3.2	1.3	0.1
MONTH MAY 1971					
LOCATION					
HALIFAX					

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

DUSTFALL

STATION TOTAL INSOLO. SOL. ASH COMB. TRACER SO3
 SOLIDS

30301R	21.2	13.6	7.6	15.2	4.0	
303021	64.3	49.3	15.0	47.1	13.7	1.2
30305R	257.8	236.0	21.8	184.7	81.9	1.0
303091	57.3	45.5	11.8	33.1	4.6	

TRACER IRON

MEAN	100.2	86.1	14.1	70.0	26.1	1.1
MAX.	257.8	236.0	21.8	184.7	81.9	1.2
MIN.	21.2	13.6	7.6	15.2	4.0	1.0

LOCATION

MONTH MAY 1971

SYDNEY

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

DUSTFALL

STATION	TOTAL	INSOL.	SOL.	ASH	COMB.	TRACER	SG3
---------	-------	--------	------	-----	-------	--------	-----

30401R	58.7	40.0	18.7	41.6	6.4	0.5	
30403R	17.3	6.8	10.5	11.6	0.8	0.3	
304061	58.7	34.0	24.7	39.6	3.2	0.3	

TRACER IRON

MEAN	MAX.	MIN.
44.9	58.7	17.3
26.9	40.0	6.8
18.0	24.7	10.5
30.9	41.6	11.6
3.5	6.4	0.8
0.4	0.5	0.3

MONTH MAY 1971

LOCATION

GLACE BAY

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

DUSTFALL

STATION	TOTAL SOLIDS	INSL.	SOL.	ASH	COMB.	TRACER	SO3
---------	--------------	-------	------	-----	-------	--------	-----

50102R	13.0						0.9
50103R	20.0						2.2
50106R	25.0						0.8
50107R	80.0						2.4

MEAN	34.5						1.6
MAX.	80.0						2.4
MIN.	13.0						0.8

MONTH MAY 1971 LOCATION MONTREAL

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

DUSTFALL

STATION	TOTAL SOLIDS	INSOL.	SOL.	ASH	COMB.	TRACER	SO3
---------	--------------	--------	------	-----	-------	--------	-----

50201C	32.3	25.8	6.5	16.2	9.6		
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MEAN	32.3	25.8	6.5	16.2	9.6
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MAX.

MIN.

MONTH MAY 1971 LOCATION HULL

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

DUSTFALL

STATION	TOTAL SOLIDS	INSOL.	SOL.	ASH	COMB.	TRACER	SO3
---------	--------------	--------	------	-----	-------	--------	-----

60101C	37.4	30.6	6.8	19.4	11.2		
60102R	18.9	14.5	4.4	9.4	5.1		
60103C	23.3	17.5	5.8	10.3	7.2		

MEAN	26.5	20.9	5.7	13.0	7.8		
MAX.	37.4	30.6	6.8	19.4	11.2		
MIN.	18.9	14.5	4.4	9.4	5.1		

MONTH MAY 1971 LOCATION OTTAWA

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

DUSTFALL

STATION TOTAL INSOLO SOL. ASH COMBO TRACER SO3
 SOLIDS

602011	18.6	10.7	7.9
602020	26.4	18.7	7.7
602038	10.6	4.8	5.8
602060	13.7	8.0	5.7
602098	14.4	9.0	5.4
602108	41.2	31.5	9.7

MEAN	20.8	13.8	7.0
MAX.	41.2	31.5	9.7
MIN.	10.6	4.8	5.4

MONTH MAY 1971

LOCATION

WINDSOR

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

DUSTFALL

STATION	TOTAL SOLIDS	INSOL.	SOL.	ASH	COMB.	TRACER	SO ₃
---------	--------------	--------	------	-----	-------	--------	-----------------

60401C	19.8	13.0	6.8				0.6
60403I	11.0	6.0	5.0				0.3
60404R	9.2	4.3	4.9				0.4
60405I	22.2	16.0	6.2				0.5
60406R	19.4	12.8	6.6				0.3
60408C	11.9	8.7	3.2				0.2

MEAN	15.6	10.1	5.5				0.4
MAX.	22.2	16.0	6.8				0.6
MIN.	9.2	4.3	3.2				0.2

MONTH MAY 1971

LOCATION

TORONTO

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

DUSTFALL

STATION	TOTAL SOLIDS	INSOL.	SOL.	ASH	COMB.	TRACER	SO ₃
---------	-----------------	--------	------	-----	-------	--------	-----------------

60501C	19.4	13.9	5.5				0.7
60502I	42.2	32.7	9.5				1.0
60503R	17.6	11.9	5.7				0.4
60504R	9.2	5.4	3.8				0.2
60507C	25.7	20.0	5.7				0.6
60508R	12.3	7.9	4.4				0.2

MEAN	21.1	15.3	5.8				0.5
MAX.	42.2	32.7	9.5				1.0
MIN.	9.2	5.4	3.8				0.2

MONTH MAY 1971

LOCATION

HAMILTON

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

DUSTFALL

STATION	TOTAL	INSOL.	SOL.	ASH	COMB.	TRACER	SOLIDS
---------	-------	--------	------	-----	-------	--------	--------

60701C							
60702R							
60703I							

NO DATA AVAILABLE

MEAN
 MAX.
 MIN.

MONTH MAY 1971

LOCATION SAULT STE. MARIE

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

DUSTFALL

STATION	TOTAL SOLIDS	INSOL.	SOL.	ASH	COMB.	TRACER	SO ₃
---------	-----------------	--------	------	-----	-------	--------	-----------------

60802C	27.9	21.0	6.9				0.1
60803R	22.1	9.8	12.3				0.1
60804R	31.5	26.9	4.6				0.0

MEAN	27.2	19.3	7.9				0.1
MAX.	31.5	26.9	12.3				0.1
MIN.	22.1	9.8	4.6				0.0

MONTH MAY 1971 LOCATION THUNDER BAY

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

DUSTFALL

STATION	TOTAL SOLIDS	INSOL.	SOL.	ASH	COMB.	TRACER	SO3
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60901C	19.0	8.3	10.7				0.1
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MEAN	MAX.	MIN.
19.0	8.3	10.7
0.1		

MONTH	MAY	1971	LOCATION	LONDON
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SUMMARY OF DUSTFALL AND SULFATION RATES
 RETOMBÉES DE POUSSIÈRES ET INDICES DE FORMATION DE SULFATE

DUSTFALL

STATION	TOTAL	INSOL.	SOL.	ASH	COMB.	TRACER	SC3
---------	-------	--------	------	-----	-------	--------	-----

SOLIDS

61001C
 61002R
 61003I

0.8
 1.5

MEAN
 MAX.
 MIN.

1.2
 1.5
 0.8

MONTH MAY 1971

LOCATION

SARNIA

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

DUSTFALL
 STATION TOTAL INSOL. SOL. ASH COMB. TRACER SO3
 SOLIDS

70105R
 70108R
 70113I
 70115I
 70116C
 70117R

NO DATA
 AVAILABLE

MEAN
 MAX.
 MIN.

MONTH MAY 1971 LOCATION WINNIPEG

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

DUSTFALL

STATION	TOTAL SOLIDS	INSOL.	SOL.	ASH	COMB.	TRACER	SC3
---------	-----------------	--------	------	-----	-------	--------	-----

90104C	23.1	17.0	6.1				0.1
90105R	24.6	19.3	5.3				0.1
90106R	19.9	15.5	4.4				0.1
90112I	15.3	11.9	3.4				0.2
90119C	34.2	26.0	8.2				0.1
90120I	46.3	34.4	11.9			0.5	0.1

TRACER CALCIUM

MEAN	27.2	20.7	6.5	0.5	0.1
MAX.	46.3	34.4	11.9		0.2
MIN.	15.3	11.9	3.4		0.1

MONTH MAY 1971

LOCATION

EDMONTON

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

DUSTFALL

STATION	TOTAL SOLIDS	INSOL. SOL.	ASH	COMB.	TRACER	SO ₃
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902011	37.0	23.1	13.9	0.3		
90204C	85.5	64.7	20.8	0.2		
90205R	12.4	8.7	3.7	0.2		
90206R	22.9	17.8	5.1	0.1		
90210I	18.0	13.0	5.0	0.2		
90219C	18.7	14.1	4.6	0.2		

MEAN	MAX.	MIN.	CALGARY
32.4	85.5	12.4	0.2
23.6	64.7	8.7	0.3
8.9	20.8	3.7	0.1

MONTH MAY 1971 LOCATION

Sulphur Dioxide

Sulphur Dioxide is measured continuously in three ways. In all instruments air passes at a controlled rate through a scrubber where the sulphur 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 sulphuric 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'iode 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

50101	R,P,COU	MONTREAL, JARRY PARK
50102	R,P,COU	MONTREAL, BOTANICAL GARDENS
50103	R,P,COL	MONTREAL, POINTE AUX TREMBLES
50104	C,M,COL	MONTREAL, 1125 ONTARIO
50105	C,M,COL	MONTREAL, 1212 DRUMMOND
50107	R,P,COU	MONTREAL, VILLE LASALLE
50201	C,F,COU	HULL, RUE PRINCIPALE
60101	C,F,CON	OTTAWA, SLATER AND ELGIN
60201	I,P,COU	WINDSOR, MORTON TERMINAL DOCK
60204	C,P,COU	WINDSOR, 471 UNIVERSITY AVE.
60401	C,P,COU	TORONTO, 67 COLLEGE ST.
60402	R,P,COU	TORONTO, DON MILLS, SCI. CENTRE
60403	I,P,COU	TORONTO, EVANS/ARNOLD
60407	C,P,COU	TORONTO, CITY HALL
60501	C,P,COU	HAMILTON, BARTON/WENTWORTH
60505	R,P,COU	HAMILTON, NORTH PARK
60506	I,P,COU	HAMILTON, WOODWARD-BRAMPTON
60602	R,P,COU	SUDBURY, ASH STREET
60603	R,P,COU	SUDBURY, 394 MONTAGUE AVE.
60901	C,P,COU	LONDON, KING-RECTORRY
61001	C,P,COU	SARNIA, 156 VICTORIA ST.

SUMMARY OF SULFUR DIOXIDE LEVELS
VALEURS CONDENSEES D'ANHYDRIDE SULFUREUX

STATION 50101R STATION 50102R STATION 50103R
DAY NO. OF MAX MEAN NO. OF MAX MEAN NO. OF MAX MEAN
SAMP. SAMP. SAMP.

1	24	3	2	23	5	3	12	1
2	24	3	2				12	1
3	20	3	2				11	0
4	24	3	2	16	3	2	12	1
5	24	4	2	24	4	4	12	2
6	24	3	2	24	4	2	11	2
7	24	3	2	24	5	2	12	2
8	24	3	2	24	7	4	12	1
9	24	3	2	24	5	4	12	2
10	24	3	2	24	7	4	12	2
11	24	3	2	24	6	3	12	10
12	24	3	2	24	6	3	12	4
13	24	2	1	24	3	1	20	10
14	24	2	1	24	2	1	19	6
15	16	2	1	21	4	3	12	5
16	24	3	1	14	5	3	7	3
17	24	3	1	24	5	2	8	2
18	24	3	2	24	5	3	7	
19	24	3	2	24	9	3	11	8
20	24	3	2	24	4	2	7	
21	24	4	2	24	3	2	13	3
22	24	4	2	24	4	3	2	8
23	3	3	3	24	3	2	1	0
24	15	4	3	24	4	2	1	0
25	24	4	2	24	3	2	18	12
26	24	4	2	24	3	2	14	4
27	24	3	2	24	4	2	9	2
28	24	4	2	24	3	2	5	2
29	24	3	2	24	5	3	3	1
30	24	4	1	24	7	3	3	0
31	21	3	2	24	3	1	1	

STA 50101R STA 50102R STA 50103R

TOTAL NO. SAMPLES

675

650

346

MAXIMUM FOR MONTH

4

9

20

MONTHLY MEAN

1.9

2.5

3.2

MONTH MAY 1971

LOCATION

MONTREAL

SUMMARY OF SULFUR DIOXIDE LEVELS
VALEURS CONDENSEES D'ANHYDRIDE SULFUREUX

STATION 50104C STATION 50105C STATION 50107R

DAY NO. OF MAX MEAN NO. OF MAX MEAN NO. OF MAX MEAN
SAMP. SAMP. SAMP.

1	11	6	3	12	10	6	24	3	1
2	12	11	4	12	22	8	24	3	1
3	12	4	3	12	13	8	24	3	0
4	12	6	2	12	13	9	24	3	1
5	12	2	2	12	12	6	24	3	1
6	12	15	5	12	23	9	24	2	0
7	11	5	2	12	9	4	24	3	2
8	12	6	3	12	8	4	24	3	2
9	12	2	1	12	4	2	24	4	2
10	12	9	4	12	15	6	24	2	1
11	10	3	2	12	4	3	24	3	1
12	12	6	4	12	7	4	24	4	0
13	12	2	1	12	4	3	24	0	0
14	11	3	1	12	7	4	24	2	1
15	12	8	3	12	9	4	24	2	0
16	12	4	2	12	3	2	24	2	0
17	10	4	2	12	5	3	24	2	1
18	12	9	3	12	6	3	24	1	0
19	12	5	4	12	4	3	24	1	0
20	12	6	3	12	4	3	24	2	1
21	12	2	1	12	2	2	24	2	1
22	12	2	1	12	3	2	24	2	1
23	12	2	1	12	4	2	24	0	0
24	12	14	2	12	17	5	24	0	0
25	12	5	2	12	8	5	24	2	0
26	12	3	2	12	6	4	24	2	1
27	10	2	1	12	6	4	24	2	0
28	12	3	2	12	6	4	24	0	0
29	12	4	2	12	4	3	24	2	1
30	12	4	2	12	4	3	24	0	0
31	12	3	2	12	4	2	24	2	0

STA 50104C STA 50105C STA 50107R

TOTAL NO. SAMPLES

363

371

744

MAXIMUM FOR MONTH

15

23

4

MONTHLY MEAN

2.4

4.2

0.6

MONTH MAY 1971

LOCATION

MONTREAL

The results reported
for 50107R during
March and April should
be divided by 10.
(Corrected pages to
be forwarded)

NOTE

SUMMARY OF SULFUR DIOXIDE LEVELS
VALEURS CONDENSEES D'ANHYDRIDE SULFUREUX

STATION	STATION	STATION 50201C	DAY	NO. OF MAX MEAN SAMP.	NO. OF MAX MEAN SAMP.	NO. OF MAX MEAN SAMP.
---------	---------	----------------	-----	--------------------------	--------------------------	--------------------------

1	24	2	0
2	24	2	1
3	24	0	0
4	24	0	0
5	24	1	0
6	24	1	0
7	24	2	0
8	24	4	1
9	24	2	1
10	24	3	2
11	24	3	1
12	24	3	1
13	24	0	0
14	24	10	1
15	24	4	1
16	24	2	2
17	24	3	1
18	24	3	2
19	24	4	3
20	24	4	2
21	24	1	0
22	24	1	0
23	24	1	0
24	24	2	1
25	24	3	1
26	24	1	1
27	24	5	1
28	24	2	1
29	15	3	2
30	12	4	2
31	16	2	2

STA 50201C STA STA

TOTAL NO. SAMPLES 715
MAXIMUM FOR MONTH 10
MONTHLY MEAN 0.9

MONTH MAY 1971 LOCATION HULL

SUMMARY OF SULFUR DIOXIDE LEVELS
VALEURS CONDENSEES D'ANHYDRIDE SULFUREUX

STATION 60101C	STATION	NO. OF MAX MEAN	NO. OF MAX MEAN	DAY
SAMP.	SAMP.	SAMP.	SAMP.	

24	6	2	1
24	0	0	2
24	0	0	3
24	5	2	4
24	6	2	5
24	4	1	6
24	25	3	7
24	0	0	8
24	4	1	9
24	2	0	10
24	4	1	11
24	0	0	12
24	4	0	13
24	10	1	14
24	1	0	15
24	0	0	16
24	0	0	17
24	1	0	18
24	1	0	19
24	0	0	20
24	2	0	21
24	0	0	22
24	2	0	23
24	0	0	24
24	2	0	25
24	1	1	26
24	1	0	27
24	1	0	28
24	4	1	29
24	1	0	30
24	2	0	31

STA 60101C STA STA

TOTAL NO. SAMPLES 744
MAXIMUM FOR MONTH 25
MONTHLY MEAN 0.5

MONTH MAY 1971 LOCATION OTTAWA

SUMMARY OF SULFUR DIOXIDE LEVELS
VALEURS CONDENSEES D'ANHYDRIDE SULFUREUX

STATION 602011 STATION 60204C STATION
DAY NO. OF MAX MEAN NO. OF MAX MEAN NO. OF MAX MEAN
SAMP. SAMP. SAMP.

1	24	2	1	24	3	1
2	24	2	1	24	4	1
3	24	2	1	24	5	2
4	24	14	3	24	5	2
5	24	5	1	24	3	2
6	24	1	0	24	4	2
7	23	1	0	24	4	2
8	24	0	0	24	4	2
9	24	1	0	24	4	2
10	24	1	0	24	4	2
11	24	1	0	24	3	2
12	24	6	1	24	4	2
13	24	6	1	24	4	2
14	24	3	0	24	3	2
15	24	4	1	24	10	3
16	24	1	0	24	6	2
17	23	5	1	24	21	3
18	23	1	1	24	5	3
19	24	1	1	24	6	3
20	23	6	1	24	7	2
21	24	20	4	24	4	2
22	24	3	1	24	9	2
23	24	2	0	24	4	0
24	24	1	0	24	4	1
25	23	1	0	24	23	8
26	24	1	0	24	14	5
27	24	7	2	24	7	3
28	24	9	2	24	15	6
29	24	5	1	24	11	4
30	24	6	2	24	3	2
31	22	4	2	24	6	2

STA 602011 STA 60204C STA

TOTAL NO. SAMPLES

737

744

MAXIMUM FOR MONTH

20

23

MONTHLY MEAN

0.9

2.4

MONTH MAY 1971

LOCATION

WINDSOR

SUMMARY OF SULFUR DIOXIDE LEVELS
VALEURS CONDENSEES D'ANHYDRIDE SULFUREUX

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

STA 60401C STA 60402R STA 60403I

TOTAL NO. SAMPLES
MAXIMUM FOR MONTH
MONTHLY MEAN

744 28 6.2
276 5 1.5
589 12 2.5

LOCATION

MONTH MAY 1971

TORONTO

SUMMARY OF SULFUR DIOXIDE LEVELS
VALEURS CONDENSEES D'ANHYDRIDE SULFUREUX

STATION	STATION 60407C	STATION
NO. OF MAX MEAN SAMP.	NO. OF MAX MEAN SAMP.	NO. OF MAX MEAN SAMP.
DAY	DAY	DAY

1	24	11	6
2	11	6	4
3	8	3	2
4	11	2	1
5	24	13	5
6	9	8	2
7	23	10	3
8	24	2	1
9	24	6	3
10	23	9	3
11	24	18	7
12	22	7	2
13	24	4	1
14	15	3	2
15			
16			
17	12	9	2
18	24	7	4
19	22	8	4
20	24	3	1
21	22	1	0
22	24	2	0
23	24	4	1
24	24	2	0
25	24	3	1
26	24	1	0
27	24	8	1
28	24	8	3
29	24	4	2
30	24	3	1
31			0

STA 60407C STA STA

TOTAL NO. SAMPLES 589
MAXIMUM FOR MONTH 18
MONTHLY MEAN 2.2

MONTH MAY 1971 LOCATION TORONTO

SUMMARY OF SULFUR DIOXIDE LEVELS
VALEURS CONDENSEES D'ANHYDRIDE SULFUREUX

STATION 60501C STATION 60505R STATION 60506I

DAY NO. OF MAX MEAN NO. OF MAX MEAN NO. OF MAX MEAN
SAMP. SAMP. SAMP.

1	24	7	2	24	6	24	5
2	24	3	1	24	6	10	5
3	24	3	1	24	1	13	0
4	24	2	1	24	7	24	3
5	24	12	5	24	2	24	1
6	24	13	5	24	17	24	2
7	24	14	6	24	6	24	2
8	24	14	9	24	2	24	1
9	24	9	4	24	4	24	4
10	24	5	3	24	17	24	3
11	24	17	7	24	21	24	2
12	24	13	3	24	14	24	2
13	24	2	1	24	4	24	3
14	24	4	1	24	7	24	3
15	24	6	2	24	4	24	3
16	24	2	2	24	5	24	3
17	24	5	2	24	5	24	3
18	24	3	2	24	24	24	3
19	24	3	2	24	10	24	3
20	24	2	2	24	21	24	3
21	24	6	2	24	2	24	3
22	24	2	1	24	13	24	3
23	24	13	6	24	24	24	3
24	24	9	5	24	17	24	4
25	24	6	1	24	2	24	4
26	24	4	0	24	2	24	4
27	24	7	2	24	24	24	4
28	24	7	3	24	24	24	5
29	24	12	5	24	24	24	4
30	24	17	4	24	24	24	4
31	24	8	4	24	24	24	4

AVAILABLE

NO DATA

STA 60501C STA 60505R STA 60506I

TOTAL NO. SAMPLES

744

342

MAXIMUM FOR MONTH

17

17

MONTHLY MEAN

3.1

2.7

LOCATION

HAMILTON

MONTH MAY 1971

SUMMARY OF SULFUR DIOXIDE LEVELS
VALEURS CONDENSEES D'ANHYDRIDE SULFUREUX

STATION 60602R STATION 60603R STATION
DAY NO. OF MAX MEAN NO. OF MAX MEAN NO. OF MAX MEAN
SAMP. SAMP. SAMP.

1	24	9	2	24	15	4
2	24	1	0	24	4	1
3	24	0	0	24	4	2
4	24	4	1	24	4	1
5	24	33	9	24	23	4
6	24	1	1	24	6	2
7	24	33	6	24	27	6
8	24	30	4	24	21	2
9	24	37	8	24	42	7
10	24	51	8	24	51	8
11	24	5	2	24	8	2
12	24	38	12	24	11	1
13	24	50	10	24	17	4
14	24	16	2	24	13	0
15	24	12	3	24	4	1
16	24	35	4	24	5	1
17	24	64	6	24	56	6
18	24	19	3	24	24	2
19	24	11	3	24	7	1
20	24	34	3	24	5	1
21	24	1	1	24	0	0
22	24	2	1	24	1	0
23	24	24	6	24	11	2
24	24	20	5	24	13	1
25	24	18	3	24	4	1
26	24	7	2	24	5	0
27	24	2	1	24	0	0
28	24	21	3	24	23	2
29	24	71	14	24	16	3
30	24	14	4	24	9	1
31	24	10	2	24	0	0

STA 60602R STA 60603R STA

TOTAL NO. SAMPLES 744
MAXIMUM FOR MONTH 71
MONTHLY MEAN 4.2

2.2

LOCATION

MONTH MAY 1971

SUDBURY

SUMMARY OF SULFUR DIOXIDE LEVELS
VALEURS CONDENSEES D'ANHYDRIDE SULFUREUX

STATION	STATION 60901C	STATION	DAY	NO. OF MAX MEAN	SAMP.	NO. OF MAX MEAN	SAMP.
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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
31

3	2	0
24	2	0
1	1	0

STA 60901C STA STA

TOTAL NO. SAMPLES	MAXIMUM FOR MONTH	MONTHLY MEAN
31	2	0.7

MONTH MAY 1971 LOCATION LONDON

SUMMARY OF SULFUR DIOXIDE LEVELS
VALEURS CONDENSEES D'ANHYDRIDE SULFUREUX

STATION	STATION 610C1C	STATION	DAY	NO. OF MAX MEAN SAMP.	NO. OF MAX MEAN SAMP.	NO. OF MAX MEAN SAMP.
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1	24	12	5
2	24	3	2
3	23	4	1
4	23	4	2
5	23	4	2
6	23	4	1
7	19	3	1
8	9	3	2
9	24	8	3
10	23	14	4
11	24	36	8
12	22	10	3
13	24	6	3
14	24	30	11
15	21	11	5
16			
17	15	9	3
18	23	21	10
19	24	16	9
20	23	12	3
21	23	3	2
22	18	3	2
23	24	5	3
24			
25	14	7	2
26	24	2	1
27	23	3	1
28	24	2	1
29	24	5	3
30	24	7	4
31	23	3	1

STA 610C1C STA STA

TOTAL NO. SAMPLES 636

MAXIMUM FOR MONTH 36

MONTHLY MEAN 3.4

MONTH MAY 1971

LOCATION

SARNIA