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NATIONAL AIR POLLUTION SURVEILLANCE

MONTHLY SUMMARY

FOR

MAY 1972

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-73-4

April 1973

SURVEILLANCE NATIONALE DE LA POLLUTION ATMOSPHERIQUE

SOMMAIRE MENSUEL

DE

MAI 1972

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 Edouard
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-73-4

Avril 1973

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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 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 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

Clean Air, Water & Soil Authority,
Province of Newfoundland.

Environmental Control Commission,
Province of Prince Edward Island.

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

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

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

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

Environmental Protection Branch,
Department of Mines, Resources and
Environmental Management,
Province of Manitoba.

Air Pollution Control Division,
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

Clean Air, Water & Soil Authority,
Province de Terre-Neuve.

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

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

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 Protection Branch,
Ministère de la gestion des Mines,
des Ressources et de l'Environnement,
Province du Manitoba.

Air Pollution Control Division,
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	Thunder Bay
Charlottetown	London
Halifax	Sarnia
Sydney	Peterborough
Glace Bay	Winnipeg
Fredericton	Regina
Saint John	Saskatoon
Moncton	Moose Jaw
Montréal	Prince Albert
Hull	Edmonton
Ottawa	Calgary
Windsor	Red Deer
Kingston	Medicine Hat
Toronto	Lethbridge
Hamilton	Vancouver
Sudbury	Prince George
Sault Ste. Marie	Victoria

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 January, 1972, the program consisted of 237 sampling instruments in 37 cities across ten provinces. Measurements are being made for soiling index, suspended particulates, lead, dustfall, sulfation rate, and sulfur dioxide. In some cases, the data may not represent the total contribution of the participating agency since only representative stations have been included.

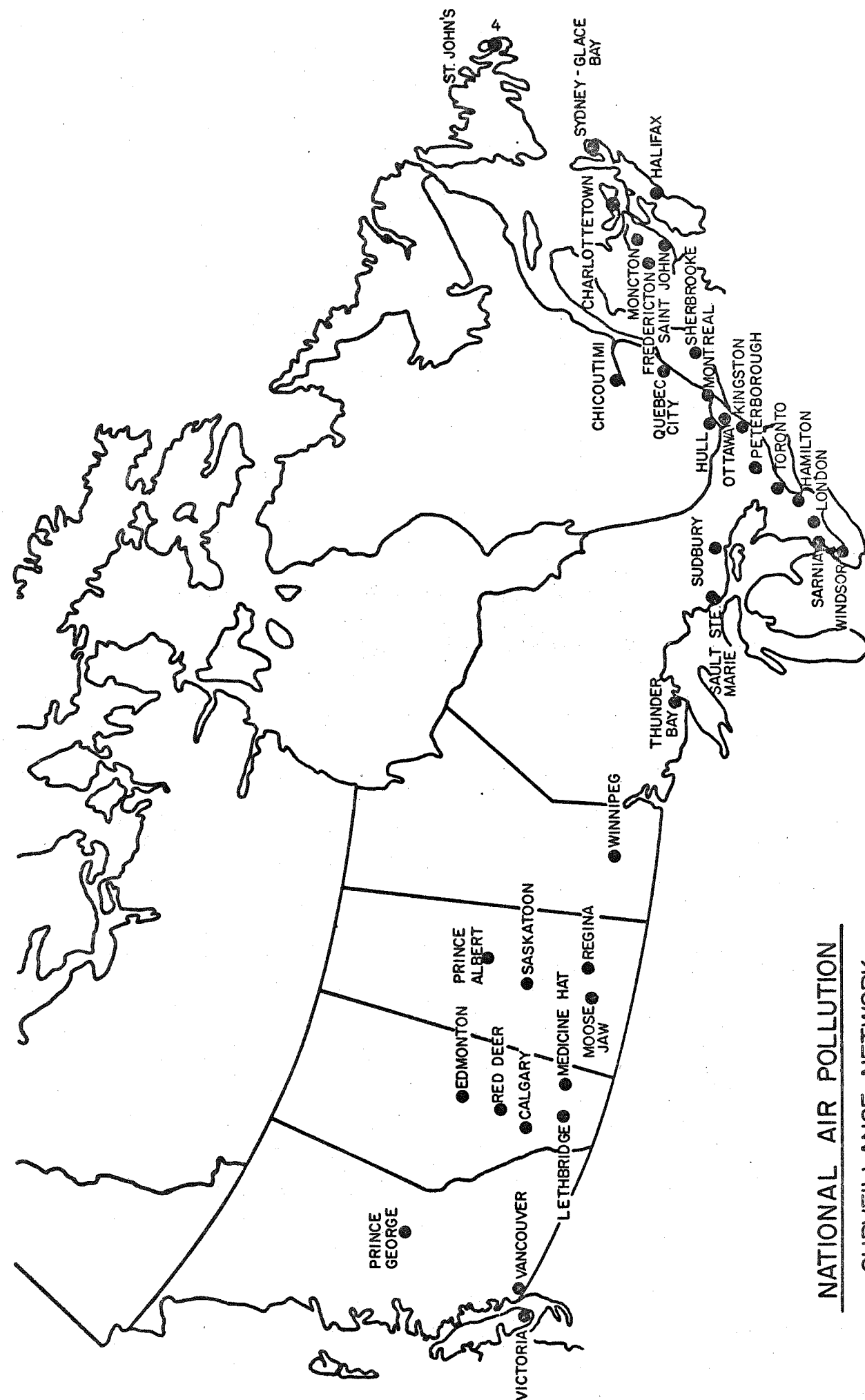
In addition to coordinating the National Air Pollution Surveillance Program, the Federal Government is, in a number of locations, providing the monitoring equipment for sampling stations which are operated by a cooperating provincial agency. In other locations, the provinces supply data from their own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



NATIONAL AIR POLLUTION
SURVEILLANCE NETWORK
(JANUARY, 1972)

Interference from local emissions.

This summary is divided into four 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. À compter de janvier, 1972, le programme comportait 237 instruments d'échantillonnage dans 37 villes de dix provinces. 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, et l'anhydride sulfureux. 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 niveaux 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 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 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

30304	R,F	55	SYDNEY, CITY HOSPITAL
30306	R,F	15	SYDNEY, LINGAN ROAD
30403	R,F	15	GLACE BAY, PORT CALEDONIA
30406	I,F	15	GLACE BAY, PUMPING STATION ROAD
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
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
60407	C,P	100	TORONTO, CITY HALL
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. & YOPK AVE.
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.

SUMMARY OF SOILING INDEX LEVELS
VALEURS CONDENSEES DES INDICES DE SOUILLURE

STATION 30304R				STATION 30306R			STATION		
DAY	NO. OF SAMP.	MAX	MEAN	NO. OF SAMP.	MAX	MEAN	NO. OF SAMP.	MAX	MEAN
1	12	0.8	0.5	12	2.6	1.2			
2	12	2.2	1.0	12	3.1	1.1			
3	12	0.4	0.1	12	3.0	1.5			
4	12	2.1	0.8	12	2.4	1.1			
5	12	1.7	0.8	12	1.5	0.8			
6	12	1.3	0.6	12	1.5	1.1			
7	12	2.2	1.1	12	1.3	0.9			
8	12	1.3	0.5	12	1.9	1.1			
9	12	0.8	0.4	12	1.5	0.9			
10	12	0.8	0.2	12	1.3	0.9			
11	12	1.1	0.6	12	1.9	1.3			
12	12	1.4	0.7	12	4.2	1.9			
13	12	1.4	0.8	12	1.9	1.3			
14	12	3.0	1.3	12	1.5	0.6			
15	12	2.7	0.9	12	1.4	0.8			
16	12	3.3	2.2	12	1.3	0.7			
17	12	3.5	2.3	12	1.7	0.7			
18	12	4.0	1.0	12	1.5	0.8			
19	12	0.8	0.4	12	1.3	0.9			
20	12	0.9	0.5	12	1.4	0.5			
21	12	1.5	0.4	12	1.3	0.7			
22	12	0.9	0.4	12	1.3	0.6			
23	12	2.1	0.7	12	1.3	0.6			
24	12	0.7	0.3	12	1.5	0.8			
25	12	1.0	0.6	12	2.3	1.4			
26	12	1.9	0.7	12	1.1	0.8			
27	12	2.8	1.2	12	1.4	0.6			
28	12	1.3	0.6	12	1.4	0.6			
29	12	2.1	1.0	12	1.4	0.6			
30	12	1.6	0.7	12	0.8	0.4			
31	12	1.8	0.8	12	0.5	0.2			

STA 30304R STA 30306R STA

TOTAL NO. SAMPLES	372	372
MAXIMUM FOR MONTH	4.0	4.2
MONTHLY MEAN	0.8	0.9

MONTH MAY 1972

LOCATION

SYDNEY

SUMMARY OF SOILING INDEX LEVELS
VALEURS CONDENSEES DES INDICES DE SOUILLURE

STATION 30403R				STATION 30406I			STATION		
DAY	NO. OF SAMP.	MAX	MEAN	NO. OF SAMP.	MAX	MEAN	NO. OF SAMP.	MAX	MEAN
1	12	0.4	0.1						
2	12	0.7	0.3						
3	12	0.6	0.2						
4	12	0.4	0.2						
5	12	0.3	0.2						
6	12	0.4	0.1						
7	12	0.3	0.2						
8	12	0.3	0.1						
9	12	0.4	0.2						
10	12	0.3	0.1						
11	12	0.3	0.1						
12	12	0.4	0.1						
13	12	0.5	0.2						
14	12	0.4	0.1						
15	12	0.3	0.1						
16	12	0.3	0.2						
17	12	0.2	0.1						
18	12	0.3	0.1						
19	12	0.3	0.1						
20	12	0.4	0.1						
21	12	0.2	0.1						
22	12	0.3	0.1						
23	12	0.3	0.1						
24	12	0.2	0.1						
25	12	0.2	0.1						
26	12	0.3	0.1						
27	12	0.5	0.2						
28	12	0.5	0.2						
29	12	0.4	0.1						
30	12	0.4	0.1						
31	12	0.2	0.1						

NO DATA

AVAILABLE

STA 30403R STA 30406I STA

TOTAL NO. SAMPLES	372
MAXIMUM FOR MONTH	0.7
MONTHLY MEAN	0.1

MONTH MAY 1972

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	0.9	0.6		12	0.5	0.1	
2	12	0.5	0.3	12	0.7	0.5		12	0.4	0.1	
3	12	0.8	0.6	12	0.9	0.7		12	0.5	0.2	
4	12	1.2	0.7	12	1.3	0.7		12	0.4	0.2	
5	12	0.9	0.5	12	0.9	0.6		12	0.8	0.1	
6	12	1.3	0.6	12	0.8	0.6		12	1.1	0.5	
7	12	0.6	0.4	12	0.5	0.4		12	0.5	0.1	
8	12	0.6	0.4	12	0.8	0.6		12	0.4	0.2	
9	12	0.9	0.5	12	0.7	0.5		12	0.5	0.1	
10	12	0.5	0.3	12	0.6	0.4		12	0.5	0.1	
11	12	0.8	0.5	12	0.6	0.5		12	0.5	0.2	
12	12	1.0	0.5	12	1.5	0.7		12	0.2	0.1	
13	12	1.0	0.6	12	0.6	0.5		12	1.4	0.5	
14	12	0.8	0.5	12	0.8	0.6		12	0.7	0.3	
15	12	0.8	0.5	12	0.7	0.5		12	0.6	0.2	
16	12	0.7	0.5	12	0.7	0.5		12	0.2	0.1	
17	12	1.2	0.7	12	0.7	0.5		12	0.3	0.1	
18	12	1.0	0.6	12	2.2	0.8		12	0.5	0.3	
19	12	0.8	0.5	12	1.0	0.5		12	0.5	0.2	
20	12	1.1	0.5	12	1.1	0.6		12	0.6	0.2	
21	12	1.0	0.5	12	0.4	0.3		12	0.3	0.1	
22	12	0.6	0.4	12	0.8	0.5		12	0.2	0.0	
23	12	0.7	0.4	12	1.5	0.8		12	0.6	0.3	
24	12	0.5	0.4	12	0.6	0.4		12	0.3	0.1	
25	12	0.7	0.4	12	0.5	0.4		12	0.6	0.2	
26	12	0.9	0.6	12	0.8	0.6		12	0.5	0.2	
27	12	0.7	0.4	12	0.7	0.5		12	0.9	0.4	
28	12	0.5	0.3	12	0.6	0.4		12	1.4	0.3	
29	12	2.0	0.7	12	0.8	0.6		12	0.3	0.2	
30	12	1.0	0.6	12	1.5	0.7		12	0.7	0.3	
31	12	1.0	0.6	12	1.4	0.7		12	0.3	0.1	

STA 50101R STA 50102R STA 50103R

TOTAL NO. SAMPLES	372	372	372
MAXIMUM FOR MONTH	2.0	2.2	1.4
MONTHLY MEAN	0.5	0.5	0.2

MONTH MAY 1972

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	2.5	0.9	12	1.7	0.9		8	0.3	0.2	
2	12	1.3	1.0	12	0.9	0.8		12	0.4	0.3	
3	12	2.1	1.5	12	2.1	1.0		12	0.5	0.4	
4	12	3.3	1.9	12	1.8	1.2		12	0.9	0.4	
5	12	1.9	0.9	12	1.3	0.8		12	0.6	0.3	
6	12	1.8	0.9	12	0.8	0.6		12	0.7	0.2	
7	12	0.8	0.5	12	1.2	0.6		12	0.3	0.2	
8	12	1.1	0.7	12	0.8	0.5		12	0.6	0.3	
9	12	1.2	0.7	12	1.2	0.7		12	0.4	0.2	
10	12	1.1	0.7	12	1.2	0.7		12	0.4	0.2	
11	12	1.1	0.7	12	1.2	0.8		12	0.6	0.2	
12	12	1.1	0.7	12	1.2	0.8		12	0.4	0.3	
13	12	3.1	1.2	12	1.5	0.8		12	1.0	0.4	
14	12	0.8	0.6	12	0.9	0.5		12	0.7	0.3	
15	12	0.8	0.6	12	1.1	0.7		12	0.3	0.1	
16	12	1.1	0.6	12	1.0	0.6		12	0.4	0.3	
17	12	0.9	0.7	12	1.1	0.8		12	0.4	0.2	
18	12	1.2	1.1	12	2.5	1.1		12	1.7	0.6	
19	12	1.1	0.5	12	0.8	0.5		12	0.3	0.2	
20	12	1.0	0.6	12	1.1	0.5		12	0.8	0.3	
21	12	0.7	0.4	12	1.4	0.8		12	0.4	0.1	
22	12	1.1	0.5	12	1.7	0.7		12	0.3	0.2	
23	12	4.9	1.2	12	1.5	1.1		12	0.7	0.3	
24	12	0.8	0.5	12	0.9	0.5		12	0.3	0.1	
25	12	0.7	0.5	12	0.7	0.4		12	0.4	0.1	
26	12	1.4	0.8	12	1.9	1.0		12	0.7	0.4	
27	12	0.7	0.5	12	8.6	2.9		12	0.3	0.1	
28	12	0.6	0.4	12	9.4	3.0		12	0.3	0.1	
29	12	0.6	0.4	12	3.6	1.2		12	0.9	0.3	
30	12	0.7	0.5	12	1.0	0.7		12	0.9	0.5	
31	12	0.8	0.5	12	1.1	0.7		12	0.6	0.2	

STA 50104C STA 50105C STA 50106R

TOTAL NO. SAMPLES	372	372	368
MAXIMUM FOR MONTH	4.9	9.4	1.7
MONTHLY MEAN	0.7	0.9	0.3

MONTH MAY 1972

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	1.0	0.6								
2	12	1.2	0.7								
3	12	2.2	1.4								
4	12	2.8	1.7								
5	12	2.0	0.9								
6	12	1.2	0.5								
7	12	1.0	0.5								
8	12	3.0	1.0								
9	12	1.5	0.8								
10	12	0.8	0.4								
11	12	0.8	0.5								
12	12	2.2	1.0								
13	12	1.6	0.9								
14	12	1.0	0.6								
15	12	0.7	0.4								
16	12	0.8	0.5								
17	12	1.0	0.5								
18	12	2.0	1.0								
19	12	0.9	0.6								
20	12	1.4	0.7								
21	12	1.0	0.7								
22	12	1.4	0.6								
23	12	2.1	1.3								
24	12	1.3	0.8								
25	12	0.9	0.5								
26	12	1.6	0.8								
27	12	1.8	0.9								
28	12	0.8	0.6								
29	12	1.0	0.4								
30	12	1.2	0.8								
31	12	1.5	0.6								

STA 50107R STA STA

TOTAL NO. SAMPLES 372
MAXIMUM FOR MONTH 3.0
MONTHLY MEAN 0.7

MONTH MAY 1972

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

STA 50201C STA STA

TOTAL NO. SAMPLES 372
MAXIMUM FOR MONTH 1.3
MONTHLY MEAN 0.2

MONTH MAY 1972

LOCATION

HULL

SUMMARY OF SOILING INDEX LEVELS
VALEURS CONDENSEES DES INDICES DE SOUILLURE

STATION 60101C				STATION 60102R			STATION 60103C		
DAY	NO. OF SAMP.	MAX	MEAN	NO. OF SAMP.	MAX	MEAN	NO. OF SAMP.	MAX	MEAN
1	12	0.8	0.3	12	0.3	0.2	12	0.5	0.2
2	12	0.5	0.2	12	0.3	0.1	12	0.3	0.2
3	12	0.5	0.3	12	0.3	0.1	12	0.3	0.2
4	12	0.8	0.4	12	0.5	0.2	12	0.4	0.2
5	12	0.6	0.3	12	0.5	0.1	12	0.5	0.2
6	12	0.6	0.3	12	1.0	0.2	12	0.9	0.3
7	12	0.4	0.1	12	0.2	0.1	12	0.2	0.1
8	12	0.3	0.2	12	0.2	0.1	12	0.2	0.1
9	12	0.3	0.2	12	0.3	0.1	12	0.3	0.1
10	12	0.5	0.2	12	0.4	0.1	12	0.2	0.1
11	12	0.5	0.3	12	0.5	0.1	3	0.3	0.2
12	12	0.3	0.2	11	0.6	0.2	4	0.7	0.3
13	12	0.7	0.3	9	0.4	0.2	12	1.0	0.3
14	12	0.4	0.2	9	0.8	0.3	12	0.6	0.3
15	12	0.5	0.2	12	0.2	0.1	12	0.4	0.2
16	12	0.3	0.2	12	0.3	0.1	12	0.4	0.2
17	12	0.5	0.2	12	0.4	0.1	12	0.4	0.1
18	12	0.7	0.3	12	0.4	0.2	12	0.6	0.3
19	12	0.3	0.1	12	0.2	0.1	12	0.2	0.1
20	12	0.3	0.2	12	0.2	0.1	12	0.3	0.2
21	12	1.2	0.3	12	0.2	0.1	12	0.5	0.2
22	12	0.5	0.1	12	1.0	0.2	12	0.8	0.3
23	12	0.5	0.3	12	0.5	0.2	12	0.7	0.3
24	12	0.2	0.2	12	0.3	0.1	12	0.3	0.1
25	12	0.4	0.2	12	0.3	0.1	12	0.4	0.1
26	12	0.4	0.3	12	0.3	0.1	12	0.3	0.2
27	12	0.3	0.2	10	0.3	0.1	12	0.3	0.2
28	12	0.3	0.2	12	0.3	0.1	12	0.3	0.2
29	12	0.3	0.2	12	0.3	0.1	12	0.6	0.3
30	12	0.5	0.2	12	0.2	0.1	12	0.5	0.2
31	12	1.0	0.4	12	0.2	0.1	12	0.5	0.2

STA 60101C STA 60102R STA 60103C

TOTAL NO. SAMPLES	372	363	355
MAXIMUM FOR MONTH	1.2	1.0	1.0
MONTHLY MEAN	0.2	0.1	0.2

MONTH MAY 1972

LOCATION

OTTAWA

SUMMARY OF SOILING INDEX LEVELS
VALEURS CONDENSEES DES INDICES DE SOUILLURE

STATION 60204C				STATION			STATION		
DAY	NO. OF SAMP.	MAX	MEAN	NO. OF SAMP.	MAX	MEAN	NO. OF SAMP.	MAX	MEAN
1	24	1.1	0.4						
2	24	0.8	0.3						
3	24	0.8	0.4						
4	24	0.6	0.3						
5	24	1.9	0.7						
6	24	0.5	0.3						
7	24	0.3	0.2						
8	24	0.6	0.3						
9	24	0.4	0.2						
10	24	1.0	0.4						
11	24	1.1	0.5						
12	24	0.7	0.3						
13	24	0.7	0.3						
14	24	0.6	0.2						
15	24	0.6	0.3						
16	24	1.0	0.4						
17	24	1.5	0.5						
18	24	2.3	0.8						
19	24	0.7	0.4						
20	24	0.6	0.3						
21	24	0.8	0.4						
22	24	0.6	0.2						
23	24	1.2	0.5						
24	23	2.5	0.6						
25	24	1.1	0.3						
26	24	0.5	0.3						
27	24	0.4	0.3						
28	24	0.5	0.2						
29	24	0.7	0.3						
30	24	0.6	0.3						
31	24	0.5	0.2						

STA 60204C STA STA

TOTAL NO. SAMPLES	743
MAXIMUM FOR MONTH	2.5
MONTHLY MEAN	0.4

MONTH MAY 1972

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	2.9	1.2	24	1.5	0.8		24	0.9	0.5	
2	24	1.7	0.7	24	1.1	0.4		24	0.6	0.2	
3	24	0.7	0.4	24	0.5	0.2		23	0.5	0.3	
4	24	1.1	0.4	22	0.4	0.1		24	0.6	0.3	
5	24	0.7	0.3	24	0.3	0.2		23	0.4	0.2	
6	24	0.8	0.4	24	0.5	0.2		22	0.5	0.2	
7	24	0.9	0.3	24	0.4	0.1		24	0.1	0.0	
8	24	0.4	0.2	24	0.3	0.1		24	0.7	0.1	
9	24	0.4	0.2	24	0.3	0.1		23	0.3	0.2	
10	24	1.0	0.3	24	0.2	0.1		24	0.5	0.1	
11	24	0.9	0.4	24	0.5	0.2		23	1.2	0.4	
12	24	1.2	0.4	24	0.4	0.2		24	0.6	0.2	
13	24	1.6	0.6	24	0.6	0.3		24	0.9	0.3	
14	24	0.7	0.3	24	0.4	0.2		24	0.3	0.1	
15	24	0.8	0.5	22	0.5	0.2		23	0.3	0.2	
16	24	1.3	0.6	24	0.3	0.2		23	0.6	0.3	
17	24	0.9	0.5	24	0.5	0.3		24	0.6	0.3	
18	24	1.4	0.8	24	0.6	0.3		24	0.5	0.3	
19	24	1.1	0.4	24	0.7	0.3		22	0.9	0.5	
20	24	1.1	0.4	24	0.5	0.1		24	0.5	0.2	
21	24	0.9	0.5	24	0.4	0.2		21	0.7	0.2	
22	24	1.1	0.2	24	0.5	0.1		22	0.2	0.0	
23	24	2.2	0.7	24	0.7	0.4		20	0.7	0.2	
24	24	0.7	0.4	24	0.6	0.2		21	0.8	0.3	
25	24	0.4	0.2	24	0.5	0.2		23	0.6	0.2	
26	24	0.7	0.4	24	0.7	0.2		24	0.6	0.3	
27	24	1.5	0.6	24	0.6	0.3		24	0.6	0.3	
28	24	1.0	0.6	24	0.5	0.2		24	0.6	0.2	
29	24	1.3	0.7	24	0.9	0.3		22	0.9	0.4	
30	24	0.9	0.5	22	0.3	0.2		24	0.5	0.3	
31	24	0.8	0.3	24	0.3	0.1		24	0.8	0.2	

STA 60401C STA 60402R STA 60403I

TOTAL NO. SAMPLES	744	738	719
MAXIMUM FOR MONTH	2.9	1.5	1.2
MONTHLY MEAN	0.5	0.2	0.2

MONTH MAY 1972

LOCATION

TORONTO

SUMMARY OF SOILING INDEX LEVELS
VALEURS CONDENSEES DES INDICES DE SOUILLURE

STATION 60407C				STATION				STATION			
DAY	NO. OF SAMP.	MAX	MEAN	NO. OF SAMP.	MAX	MEAN		NO. OF SAMP.	MAX	MEAN	
1	12	2.3	1.3								
2	12	0.9	0.4								
3	12	0.7	0.4								
4	12	0.5	0.3								
5	12	0.6	0.3								
6	12	0.9	0.4								
7	12	0.7	0.2								
8	12	0.7	0.3								
9	12	0.5	0.2								
10	12	3.8	0.6								
11	12	1.3	0.4								
12	12	1.1	0.4								
13	12	1.2	0.4								
14	11	0.7	0.2								
15	12	0.9	0.5								
16	12	1.3	0.6								
17	12	0.7	0.4								
18	12	1.1	0.7								
19	12	0.7	0.3								
20	12	0.7	0.2								
21	12	0.9	0.4								
22	12	1.3	0.3								
23	12	1.3	0.7								
24	12	0.5	0.3								
25	12	0.5	0.2								
26	12	0.6	0.3								
27	12	1.3	0.4								
28	12	1.3	0.5								
29	12	0.9	0.5								
30	12	0.6	0.3								
31	11	0.6	0.2								

STA 60407C STA STA

TOTAL NO. SAMPLES	370
MAXIMUM FOR MONTH	3.8
MONTHLY MEAN	0.4

MONTH MAY 1972

LOCATION

TORONTO

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	2.3	1.5	12	1.4	0.5			
2	24	2.4	0.9	12	1.6	0.7			
3	24	1.2	0.4	12	1.6	1.0			
4	24	1.2	0.7	12	1.6	0.4			
5	24	2.2	0.5	12	1.5	0.9			
6	24	2.1	0.5	12	1.4	0.7			
7	24	1.1	0.5	12	0.4	0.1			
8	24	0.9	0.3	11	0.5	0.2			
9	24	1.3	0.4	12	0.4	0.1			
10	24	0.8	0.3	12	0.9	0.6			
11	24	0.7	0.4	12	1.8	0.9			
12	24	2.1	0.5	12	1.7	0.6			
13	24	1.5	1.0	12	1.1	0.5			
14	24	1.3	0.4	12	0.4	0.2			
15	24	2.2	1.2	12	0.7	0.2			
16	24	1.9	0.9	11	1.5	0.6			
17	24	1.1	0.6	12	1.8	0.4			
18	24	1.5	0.8	12	1.6	0.6			
19	24	1.9	1.1	12	0.9	0.4			
20	24	1.6	0.9	12	0.7	0.2			
21	24	2.0	0.7	12	1.1	0.4			
22	24	1.5	0.7	12	0.7	0.2			
23	24	1.5	1.0	5	1.3	0.8			
24	23	4.1	1.2						
25	24	1.6	0.8						
26	24	1.7	1.1						
27	24	1.7	0.9						
28	24	1.7	0.6						
29	24	1.6	0.6	6	1.1	0.7			
30	24	1.1	0.3	12	2.1	1.0			
31	24	1.1	0.4	12	0.9	0.3			

STA 60501C		STA 60505R	STA
TOTAL NO. SAMPLES		743	297
MAXIMUM FOR MONTH		4.1	2.1
MONTHLY MEAN		0.7	0.5

MONTH MAY 1972 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	0.1	0.0						
2	24	0.2	0.0						
3	24	0.7	0.1						
4	24	1.6	0.1						
5	24	0.1	0.0						
6	24	0.2	0.0						
7	24	0.1	0.1						
8	24	0.2	0.1						
9	24	0.1	0.0						
10	24	0.1	0.1						
11	24	0.1	0.0						
12	24	0.1	0.1						
13	24	0.1	0.1						
14	24	0.1	0.1						
15	24	0.1	0.1						
16	24	0.1	0.0						
17	24	0.5	0.1						
18	24	0.2	0.0						
19	24	0.7	0.1						
20	24	0.1	0.0						
21	24	0.1	0.0						
22	24	0.3	0.0						
23	24	0.5	0.1						
24	23	0.1	0.0						
25	24	0.2	0.1						
26	24	0.1	0.0						
27	24	0.2	0.0						
28	24	0.2	0.1						
29	24	0.1	0.1						
30	24	0.2	0.0						
31	24	0.2	0.1						

STA 60602R		STA	STA
TOTAL NO. SAMPLES		743	
MAXIMUM FOR MONTH		1.6	
MONTHLY MEAN		0.1	

MONTH MAY 1972 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			
16			
17			
18			
19			
20			
21	24	0.2	0.1
22	24	0.2	0.1
23	24	0.3	0.2
24	20	0.3	0.2
25	24	0.2	0.1
26	24	0.2	0.1
27	24	0.3	0.2
28	24	0.3	0.1
29	24	0.4	0.2
30	24	0.2	0.1
31	2	0.0	0.0

STA 60901C STA STA

TOTAL NO. SAMPLES 238
MAXIMUM FOR MONTH 0.4
MONTHLY MEAN 0.1

MONTH MAY 1972 LOCATION LONDON

SUMMARY OF SOILING 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	24	0.8	0.5
2	23	1.0	0.5
3	24	1.3	0.4
4	21	1.5	0.3
5	24	1.4	0.5
6	24	0.6	0.3
7	22	0.3	0.1
8	22	0.4	0.2
9	24	0.6	0.2
10	24	0.4	0.2
11	24	1.1	0.4
12	24	0.5	0.3
13	24	0.5	0.3
14	24	0.6	0.3
15	22	0.7	0.4
16	24	0.9	0.4
17	24	1.4	0.7
18	24	1.3	0.6
19	24	0.9	0.5
20	24	0.6	0.4
21	24	1.1	0.5
22	24	0.3	0.1
23	23	0.7	0.3
24	20	0.8	0.3
25	24	0.7	0.3
26	24	0.6	0.3
27	24	0.4	0.2
28	24	0.8	0.4
29	24	1.2	0.4
30	24	1.0	0.3
31	22	0.3	0.1

STA 61001C STA STA

TOTAL NO. SAMPLES 727
MAXIMUM FOR MONTH 1.5
MONTHLY MEAN 0.4

MONTH MAY 1972 LOCATION SARNIA

SUMMARY OF SOILING INDEX LEVELS
VALEURS CONDENSEES DES INDICES DE SOUILLURE

DAY	STATION 70101C			STATION			STATION		
	NO. OF SAMP.	MAX	MEAN	NO. OF SAMP.	MAX	MEAN	NO. OF SAMP.	MAX	MEAN
1	12	0.7	0.4						
2	12	1.1	0.5						
3	12	0.5	0.3						
4	12	0.4	0.3						
5	12	0.6	0.3						
6	12	0.7	0.3						
7	12	0.5	0.3						
8	12	0.8	0.4						
9	12	1.0	0.6						
10	12	2.1	0.8						
11	12	1.3	0.6						
12	12	0.6	0.4						
13	12	0.4	0.3						
14	12	0.7	0.2						
15	12	0.6	0.3						
16	12	0.8	0.5						
17	12	1.4	0.5						
18	12	0.7	0.4						
19	12	0.5	0.3						
20	12	0.3	0.2						
21	12	0.4	0.1						
22	12	0.4	0.2						
23	12	0.8	0.4						
24	8	0.8	0.5						
25	12	0.8	0.4						
26	12	1.0	0.5						
27	12	0.9	0.3						
28	12	0.3	0.2						
29	12	0.8	0.4						
30	12	0.5	0.3						
31	12	0.8	0.3						

STA 70101C STA STA

TOTAL NO. SAMPLES 368
MAXIMUM FOR MONTH 2.1
MONTHLY MEAN 0.4

MONTH MAY 1972

LOCATION

WINNIPEG

SUMMARY OF SOILING INDEX LEVELS
VALEURS CONDENSEES DES INDICES DE SOUILLURE

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

STA 90113C STA 90115I STA 90118R

TOTAL NO. SAMPLES 372 302 372
MAXIMUM FOR MONTH 0.8 1.0 0.8
MONTHLY MEAN 0.2 0.2 0.1

MONTH MAY 1972

LOCATION

EDMONTON

SUMMARY OF SOILING INDEX LEVELS
VALEURS CONDENSEES DES INDICES DE SOUILLURE

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

STA 90204C STA 90216R STA 90218I

TOTAL NO. SAMPLES	356	367	355
MAXIMUM FOR MONTH	0.6	1.2	0.8
MONTHLY MEAN	0.1	0.1	0.1

MONTH MAY 1972

LOCATION

CALGARY

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
30304	R,F	55	SYDNEY, CITY HOSPITAL
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)
50201	C,F	30	HULL, RUE PRINCIPALE
60101	C,F	53	OTTAWA, SLATER AND ELGIN
60201	I,F	12	WINDSOR, MORTON 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
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
80101	C,F	25	REGINA, 1955 SMITH STREET
80102	R,F	15	REGINA, 3211 ALBERT STREET
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.
00101	I,F	20	VANCOUVER, VANCOUVER PILE DRIVING
00102	R,F	15	VANCOUVER, 100 RICHMOND ST.
00104	R,F	60	VANCOUVER, 27TH AND ONTARIO
00105	I,F	75	VANCOUVER, 739 W. HASTINGS ST.
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
5	46	0.4		
9				
16	84	0.7		
27	55	0.8		
30	122	0.5		

NO. SAMPLES	4	4
MAX.	122	0.8
MEAN	77	0.6

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

DATE	STATION					
	20101C					
	S.P.	LEAD	S.P.	LEAD	S.P.	LEAD
5	NO DATA AVAILABLE					
9						
17						
27						
30						

NO. SAMPLES

MAX.

MEAN

MONTH MAY 1972

LOCATION CHARLOTTETOWN

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

DATE	STATION					
	30101C		30102R			
	S.P.	LEAD	S.P.	LEAD	S.P.	LEAD
5	38	0.1	25	0.2		
9			15	0.2		
17			24	0.2		
27						
30			17	0.1		

NO. SAMPLES 1 1

MAX.

MEAN

4 4

25 0.2

20 0.2

MONTH MAY 1972

LOCATION

HALIFAX

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

DATE	STATION					
	30304R					
	S.P.	LEAD	S.P.	LEAD	S.P.	LEAD
5	35	0.2				
9	61	0.2				
17	37	0.1				
27	48	0.2				
30	54	0.1				

NO. SAMPLES 5 5
MAX. 61 0.2
MEAN 47 0.2

MONTH MAY 1972

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
5						
9						
17						
27						
30						

NO. SAMPLES
MAX.
MEAN

MONTH MAY 1972

LOCATION

FREDERICTON

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

STATION

DATE

40201C

S.P. LEAD

S.P. LEAD

S.P. LEAD

5	54	0.4
9	91	0.2
17	61	0.4
27	65	0.2
30	52	0.2

NO. SAMPLES

5 5

MAX.

91 0.4

MEAN

65 0.3

MONTH MAY 1972

LOCATION

SAINT JOHN

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

STATION

DATE

40301C

S.P. LEAD

S.P. LEAD

S.P. LEAD

5	61	0.4
9	131	0.5
17	57	0.5
27	97	0.3
30	160	0.3

NO. SAMPLES

5 5

MAX.

160 0.5

MEAN

101 0.4

MONTH MAY 1972

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
5	199	3.2	144	1.6	103	2.0
9	177				113	1.4
17	90	1.0			209	2.5
27			219	0.9	124	1.0
30	137	1.4			161	3.4

NO. SAMPLES	4	3	2	2	5	5
MAX.	199	3.2	219	1.6	209	3.4
MEAN	151	1.9	182	1.2	142	2.1

MONTH MAY 1972

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
5	91	1.7	278	7.6	121	1.9
9	177	0.8	219	0.9	64	
17	158	2.1	78	1.1	61	0.8
27	109	1.0	204	0.6	130	0.9
30	149	1.2	142	1.1	105	0.9

NO. SAMPLES	5	5	5	5	5	4
MAX.	177	2.1	278	7.6	130	1.9
MEAN	137	1.4	184	2.3	96	1.1

MONTH MAY 1972

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
5	135	1.4				
9	119	0.7				
17	160	1.8				
27	133	1.2				
30	125	0.9				

NO. SAMPLES	5	5
MAX.	160	1.8
MEAN	134	1.2

MONTH MAY 1972

LOCATION

HULL

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
5	126	1.3				
9	163	1.2				
17	153	2.3				
27	128	0.9				
30	129	1.2				

NO. SAMPLES	5	5
MAX.	163	2.3
MEAN	140	1.4

MONTH MAY 1972

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
5	123	0.9	206	1.6	149	1.0
9	88	0.5			37	0.4
17	142	1.0			74	0.5
27	134	0.4	204	1.0	130	0.5
30	88	0.4			44	0.3
NO. SAMPLES	5	5	2	2	5	5
MAX.	142	1.0	206	1.6	149	1.0
MEAN	115	0.6	205	1.3	87	0.5

MONTH MAY 1972

LOCATION

WINDSOR

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

DATE	STATION					
	60301R					
	S.P.	LEAD	S.P.	LEAD	S.P.	LEAD
5	28	0.2				
9	58	0.2				
17	31	0.4				
27	61	0.4				
30	45	0.2				
NO. SAMPLES	5	5				
MAX.	61	0.4				
MEAN	44	0.3				

MONTH MAY 1972

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
2					64	0.3
3			171	2.9		
8	113	1.1				
9			168	2.4		
10					101	0.6
14	84	1.9				
18			130	2.1	91	1.0
20	131	1.7				
21	141	1.7				
24			147	1.9		
26					201	1.7
27			164	3.4		
28	155	3.2				
NO. SAMPLES	5	5	5	5	4	4
MAX.	155	3.2	171	3.4	201	1.7
MEAN	125	1.9	156	2.5	114	0.9

MONTH MAY 1972

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
2			265		157	
10			243		127	
18			322			
19	399	2.5				
26	519	1.8	376			
31	147	1.1				
NO. SAMPLES	3	3	4		2	
MAX.	519	2.5	376		157	
MEAN	355	1.8	302		142	

MONTH MAY 1972

LOCATION

HAMILTON

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

DATE	STATION		STATION		STATION	
	60602R					
	S.P.	LEAD	S.P.	LEAD	S.P.	LEAD
4	51	0.3				
22	90	0.5				
28	101	0.5				
31	40	0.2				
NO. SAMPLES	4	4				
MAX.	101	0.5				
MEAN	71	0.4				

MONTH MAY 1972

LOCATION

SUDBURY

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

DATE	STATION		STATION		STATION	
	60701C					
	S.P.	LEAD	S.P.	LEAD	S.P.	LEAD
2	40	0.3				
NO. SAMPLES	1	1				
MAX.						
MEAN						

MONTH MAY 1972

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
2	179	0.6				
10	146	1.4				
18	283	0.9				
NO. SAMPLES	3	3				
MAX.	283	1.4				
MEAN	203	1.0				

MONTH MAY 1972

LOCATION THUNDER BAY

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
3	121	0.7	88			
9	80	0.4	53			
15	120	0.9	67			
21			99			
27	227	1.3				
NO. SAMPLES	4	4	4			
MAX.	227	1.3	99			
MEAN	137	0.8	77			

MONTH MAY 1972

LOCATION

LONDON

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
2	225	0.7				
6	116	0.6				
12	123	0.7				
18	173	0.8				
24	174	0.9				
30	95	0.8				

NO. SAMPLES	6	6
MAX.	225	0.9
MEAN	151	0.8

MONTH MAY 1972

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
2	102	0.6				
10	94	0.3				
26	94	0.8				

NO. SAMPLES	3	3
MAX.	102	0.8
MEAN	97	0.6

MONTH MAY 1972

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
5	72	0.4	52	0.3	71	0.4
9	138	1.6	108	1.0	170	2.8
17	128	0.6	101	0.6	93	0.5
27	67	2.1	31	0.7	50	0.6
30	92	0.4	68	2.1	86	1.0
NO. SAMPLES	5	5	5	5	5	5
MAX.	138	2.1	108	2.1	170	2.8
MEAN	99	1.0	72	0.9	94	1.1

MONTH MAY 1972

LOCATION

WINNIPEG

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
5	75	0.2				
9						
17						
27						
30						
NO. SAMPLES	1	1				
MAX.						
MEAN						

MONTH MAY 1972

LOCATION

WINNIPEG

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

DATE	STATION					
	80101C		80102R			
	S.P.	LEAD	S.P.	LEAD	S.P.	LEAD
5	70	0.5	33	0.3		
9	83	0.4	39	0.2		
17	212	0.3	132	0.1		
27	51	0.2	30	0.1		
30	88	0.3	50	0.1		

NO. SAMPLES	5	5	5	5		
MAX.	212	0.5	132	0.3		
MEAN	101	0.4	56	0.2		

MONTH MAY 1972

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
5	80	0.3	59	0.2		
9	105	0.3	96	0.1		
17	172	0.2	151	0.1		
27	69	0.4	54	0.2		
30	109	0.4	100	0.2		

NO. SAMPLES	5	5	5	5		
MAX.	172	0.4	151	0.2		
MEAN	107	0.3	92	0.2		

MONTH MAY 1972

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
5	49	0.5				
9	101	0.3				
17						
27	57	0.3				
30	109	0.2				
NO. SAMPLES	4	4				
MAX.	109	0.5				
MEAN	79	0.3				

MONTH MAY 1972

LOCATION

MOOSE JAW

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
5	188	0.3				
9	193	0.5				
17	106	0.1				
27						
30						
NO. SAMPLES	3	3				
MAX.	193	0.5				
MEAN	163	0.3				

MONTH MAY 1972

LOCATION

PRINCE ALBERT

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
5	57	0.6	30	0.1	32	0.3
9	110	0.4	177	0.3	87	0.3
27	115	1.2	163	0.8	94	1.0
30	165	0.4	204	0.3	88	0.3
NO. SAMPLES	4	4	4	4	4	4
MAX.	165	1.2	204	0.8	94	1.0
MEAN	112	0.7	144	0.4	75	0.5

MONTH MAY 1972

LOCATION

EDMONTON

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
5	76	0.3	57	0.1	85	0.6
9	105	0.7	93	0.4		
17	213	0.9	48	0.3	108	1.0
27	98	0.4	70	0.5	99	0.8
30	286	0.7	114	0.5	196	0.6
NO. SAMPLES	5	5	5	5	4	4
MAX.	286	0.9	114	0.5	196	1.0
MEAN	156	0.6	76	0.4	122	0.8

MONTH MAY 1972

LOCATION

CALGARY

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
5	63	0.3				
9	104	0.3				
17	347	0.4				
27	96	0.6				
30	92	0.3				
NO. SAMPLES	5	5				
MAX.	347	0.6				
MEAN	140	0.4				

MONTH MAY 1972

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
5	47	0.2				
9	46	0.5				
17	121	0.2				
27	69	0.4				
30	120	0.3				
NO. SAMPLES	5	5				
MAX.	121	0.5				
MEAN	81	0.3				

MONTH MAY 1972

LOCATION

MEDICINE HAT

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

DATE	STATION 90501C		STATION		STATION	
	S.P.	LEAD	S.P.	LEAD	S.P.	LEAD
5						
9						
17	57	0.2				
27						
30						

NO. SAMPLES 1 1

MAX.

MEAN

MONTH MAY 1972

LOCATION

LETHBRIDGE

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

DATE	STATION 00101I		STATION 00102R		STATION 00104R	
	S.P.	LEAD	S.P.	LEAD	S.P.	LEAD
5						
9						
17	NO		DATA		AVAILABLE	
27						
30						

NO. SAMPLES

MAX.

MEAN

MONTH MAY 1972

LOCATION

VANCOUVER

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

DATE	STATION		STATION		STATION	
	001051					
	S.P.	LEAD	S.P.	LEAD	S.P.	LEAD
5	NO DATA AVAILABLE					
9						
17						
27						
30						

NO. SAMPLES

MAX.

MEAN

MONTH MAY 1972

LOCATION

VANCOUVER

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

DATE	STATION		STATION		STATION	
	00201C					
	S.P.	LEAD	S.P.	LEAD	S.P.	LEAD
5	NO DATA AVAILABLE					
9						
17						
27						
30						

NO. SAMPLES

MAX.

MEAN

MONTH MAY 1972

LOCATION

PRINCE GEORGE

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

STATION

DATE

00301C

S.P. LEAD

S.P. LEAD

S.P. LEAD

5	65	1.0
9	29	0.4
17	42	0.4
27	52	0.8
30	49	0.4

NO. SAMPLES

5 5

MAX.

65 1.0

MEAN

47 0.6

MONTH MAY 1972

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.

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. 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 certain 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 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 ATMOSPHÉRIQUES

* 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	P	12	SYDNEY, MURPHY ROAD
30302	I*	30	SYDNEY, SYDNEY STEEL CORPORATION
30305	R*	30	SYDNEY, VICTORIA ROAD (WHITNEY SCH.)
30309	I**	12	SYDNEY, PT. EDWARD, RICHMOND PLASTICS
30401	P*	12	GLACE BAY, LAKE ROAD
30403	P*	12	GLACE BAY, PORT CALEDONIA
30406	I*	12	GLACE BAY, PUMPING STATION ROAD
50101	P*	10	MONTREAL, JARBY 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
60504	R*	15	HAMILTON, FENNEL-W. 5TH.
60507	C*	30	HAMILTON, HUGHSON-HUNTER
60508	R*	50	HAMILTON, MCMASTER UNIVERSITY
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
60802	C*	5	THUNDER BAY, 185 GORE ST.
60803	R*	15	THUNDER BAY, ST. BERNARD SCHOOL
60804	R*	5	THUNDER BAY, 205 STRATHCONA
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

DUSTFALL						
STATION	TOTAL SOLIDS	INSOL.	SOL.	ASH	COMB.	SO3
30101C	11.0	8.3	2.7			0.6 1.3
30102R	8.9	5.7	3.2			0.7 0.6
30105R	7.7	5.5	2.2			0.6 0.6
30106R	11.4	8.2	3.2			0.7 0.5
30108C	12.5	9.8	2.7			0.6 0.8
30109R	8.9	6.7	2.2			0.7 0.2

TRACER CHLORIDE

MAX.	12.5	9.8	3.2			0.7 1.3
MIN.	7.7	5.5	2.2			0.6 0.2
MEAN	10.1	7.4	2.7			0.6 0.7

MONTH MAY 1972

LOCATION

HALIFAX

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

DUSTFALL						
STATION	TOTAL SOLIDS	INSOL.	SOL.	ASH	COMB.	SO3
30301R						
30302I	54.5	37.1	17.4	39.5		8.0 1.1
30305R	233.1	211.3	21.8	178.0		64.6 1.1
30309I	40.9	24.7	16.2	31.4		1.9

TRACER IRON

MAX.	233.1	211.3	21.8	178.0		64.6 1.1
MIN.	40.9	24.7	16.2	31.4		1.9 1.1
MEAN	109.5	91.0	18.5	83.0		24.8 1.1

MONTH MAY 1972

LOCATION

SYDNEY

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

DUSTFALL

STATION	TOTAL SOLIDS	INSOL.	SOL.	ASH	COMB.	TRACER	SO3
30401R							
30403R	15.8	8.2	7.6	10.9		0.6	0.2
30406I	50.4	30.7	19.7	33.6		2.4	0.5

TRACER IRON

MAX.	50.4	30.7	19.7	33.6		2.4	0.5
MIN.	15.8	8.2	7.6	10.9		0.6	0.2
MEAN	33.1	19.5	13.7	22.2		1.5	0.3

MONTH MAY 1972

LOCATION

GLACE BAY

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

DUSTFALL

STATION	TOTAL SOLIDS	INSOL.	SOL.	ASH	COMB.	TRACER	SO3
50101R	32.0						1.6
50102R							1.7
50103R	17.0						1.9
50106R	30.0						1.3
50107R	34.0						

MAX.	34.0						1.9
MIN.	17.0						1.3
MEAN	28.3						1.6

MONTH MAY 1972

LOCATION

MONTREAL

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

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

50201C	28.7	22.3	6.4	16.5	5.8	
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MAX.

MIN.

MEAN	28.7	22.3	6.4	16.5	5.8	
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MONTH MAY 1972

LOCATION

HULL

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

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

60101C	42.6	34.8	7.8	24.2	10.6	
60102R	11.6	7.8	3.8	3.2	4.6	
60103C	28.8	23.3	5.5	13.1	10.2	

MAX.	42.6	34.8	7.8	24.2	10.6	
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MIN.	11.6	7.8	3.8	3.2	4.6	
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MEAN	27.7	22.0	5.7	13.5	8.5	
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MONTH MAY 1972

LOCATION

OTTAWA

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

STATION	DUSTFALL						SO3
	TOTAL SOLIDS	INSOL.	SOL.	ASH	COMB.	TRACER	
60201I	12.8	8.0	4.8				
60202C	27.5	19.5	8.0				
60203R	11.1	7.4	3.7				
60206C	13.4	8.4	5.0				
60209R	16.0	11.0	5.0				
60210R	9.8	6.6	3.2				
MAX.	27.5	19.5	8.0				
MIN.	9.8	6.6	3.2				
MEAN	15.1	10.2	5.0				

MONTH MAY 1972

LOCATION

WINDSOR

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

STATION	DUSTFALL						SO3
	TOTAL SOLIDS	INSOL.	SOL.	ASH	COMB.	TRACER	
60401C	22.0	15.8	6.2				0.5
60403I	44.0						0.3
60404R	25.0	18.5	6.5				0.2
60405I	30.0	23.1	6.9				0.5
60406R	15.0	9.9	5.1				0.3
60408C	22.0	17.4	4.6				0.3
MAX.	44.0	23.1	6.9				0.5
MIN.	15.0	9.9	4.6				0.2
MEAN	26.3	16.9	5.9				0.4

MONTH MAY 1972

LOCATION

TORONTO

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

STATION	DUSTFALL						SO3
	TOTAL SOLIDS	INSOL.	SOL.	ASH	COMB.	TRACER	
60501C	58.0	41.2	16.8				0.8
60502I	70.0	49.7	20.3				1.1
60503R	39.0	28.5	10.5				0.6
60504R	11.0	7.0	4.0				0.8
60507C	35.0	26.6	8.4				0.7
60508R	16.0	8.6	7.4				0.3

MAX.	70.0	49.7	20.3				1.1
MIN.	11.0	7.0	4.0				0.3
MEAN	38.2	26.9	11.2				0.7

MONTH MAY 1972

LOCATION

HAMILTON

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

STATION	DUSTFALL						SO3
	TOTAL SOLIDS	INSOL.	SOL.	ASH	COMB.	TRACER	
60701C	13.0	9.5	3.5				0.3
60702R	13.0	8.8	4.2				0.2
60703I	27.0	22.1	4.9				0.3

MAX.	27.0	22.1	4.9				0.3
MIN.	13.0	8.8	3.5				0.2
MEAN	17.7	13.5	4.2				0.3

MONTH MAY 1972

LOCATION SAULT STE. MARIE

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

STATION	DUSTFALL						SO3
	TOTAL SOLIDS	INSOL.	SOL.	ASH	COMB.	TRACER	
60802C	33.0	23.8	9.2				0.1
60803R	18.0	9.7	8.3				0.1
60804R	22.0	9.5	12.5				0.1
MAX.	33.0	23.8	12.5				0.1
MIN.	18.0	9.5	8.3				0.1
MEAN	24.3	14.3	10.0				0.1

MONTH MAY 1972

LOCATION THUNDER BAY

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

STATION	DUSTFALL						SO3
	TOTAL SOLIDS	INSOL.	SOL.	ASH	COMB.	TRACER	
60901C	13.0	5.9	7.2				0.2
MAX.							
MIN.							
MEAN	13.0	5.9	7.2				0.2

MONTH MAY 1972

LOCATION LONDON

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

STATION	DUSTFALL						SO3
	TOTAL SOLIDS	INSOL.	SOL.	ASH	COMB.	TRACER	
61001C							1.0
61002R							0.7
61003I							1.2
MAX.							1.2
MIN.							0.7
MEAN							1.0

MONTH MAY 1972

LOCATION

SARNIA

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

STATION	DUSTFALL						SO3
	TOTAL SOLIDS	INSOL.	SOL.	ASH	COMB.	TRACER	
70105R	37.2	28.3	8.9	24.3	12.9		0.0
70110C	53.3	40.2	13.1	39.7	13.6		
70113I	40.8	29.4	11.4	28.1	12.7		0.0
70115I	42.4	30.5	11.9	28.1	14.3		0.0
70116C	92.2	79.3	12.9	73.6	18.6		
70117R	18.8	11.8	7.0	10.2	8.6		0.0
MAX.	92.2	79.3	13.1	73.6	18.6		0.0
MIN.	18.8	11.8	7.0	10.2	8.6		0.0
MEAN	47.5	36.6	10.9	34.0	13.5		0.0

MONTH MAY 1972

LOCATION

WINNIPEG

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

DUSTFALL

STATION	TOTAL SOLIDS	INSOL.	SOL.	ASH	COMB.	TRACER	SO3
90104C	28.5						0.1
90105R	14.9					0.2	0.0
90106R	14.7						0.1
90112I	18.9						0.2
90119C	15.5						0.0
90120I	33.9					0.6	0.1

TRACER CALCIUM

MAX.	33.9					0.6	0.2
MIN.	14.7					0.2	0.0
MEAN	21.1					0.4	0.1

MONTH MAY 1972

LOCATION

EDMONTON

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

DUSTFALL

STATION	TOTAL SOLIDS	INSOL.	SOL.	ASH	COMB.	TRACER	SO3
90201I	32.7						0.2
90204C	18.0						0.1
90205R	9.1						0.1
90206R	14.0						0.1
90210I	45.2						0.2
90219C	21.3						0.2

MAX.	45.2						0.2
MIN.	9.1						0.1
MEAN	23.4						0.1

MONTH MAY 1972

LOCATION

CALGARY

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,P,COL	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
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
60407	C,P,COU	100	TORONTO, CITY HALL
60501	C,P,COU	12	HAMILTON, BARTON/WENTWORTH
60505	R,P,COU	10	HAMILTON, NORTH PARK
60602	R,P,COU	12	SUDBURY, ASH STREET
60603	R,P,COU	8	SUDBURY, 394 MONTAGUE AVE.
60901	C,P,COU	13	LONDON, KING-RECTORY
61001	C,P,COU	12	SARNIA, 156 VICTORIA ST.
70101	C,P,CON	20	WINNIPEG, KENNEDY AND YORK AVE.

80108

C,F,COU

40

REGINA, 12TH AND SMITH

SUMMARY OF SULFUR DIOXIDE LEVELS
VALEURS CONDENSEES D'ANHYDRIDE SULFUREUX

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

	STA 30101C	STA	STA
TOTAL NO. SAMPLES	605		
MAXIMUM FOR MONTH	12		
MONTHLY MEAN	1.8		

MONTH MAY 1972

LOCATION

HALIFAX

SUMMARY OF SULFUR DIOXIDE LEVELS
VALEURS CONDENSEES D'ANHYDRIDE SULFUREUX

DAY	STATION 40201C 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	7	5	3
13	8	5	4
14			
15	9	6	2
16	21	11	3
17	21	18	3
18	22	8	2
19	19	6	2
20	22	2	1
21	22	4	1
22	21	4	2
23	21	12	3
24	20	6	2
25	20	4	2
26	21	7	2
27	21	2	0
28	22	2	1
29	20	3	1
30	22	1	0
31	22	1	0

STA 40201C STA STA

TOTAL NO. SAMPLES 361
MAXIMUM FOR MONTH 18
MONTHLY MEAN 1.7

MONTH MAY 1972 LOCATION SAINT JOHN

SUMMARY OF SULFUR DIOXIDE LEVELS
VALEURS CONDENSEES D'ANHYDRIDE SULFUREUX

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

STA 50101R STA 50102R STA 50103R

TOTAL NO. SAMPLES 735 744 675
MAXIMUM FOR MONTH 7 12 17
MONTHLY MEAN 1.7 2.9 2.3

MONTH MAY 1972 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	6	3	11	13	5	24	8	3
2	12	4	3	12	9	6	24	7	4
3	12	10	6	12	18	12	19	6	2
4	12	14	8	12	21	13	24	0	0
5	12	6	3	12	11	8	24	0	0
6	12	7	3	12	8	4	24	0	0
7	10	2	1	12	7	5	24	0	0
8	8	4	2	12	10	6			
9	12	6	3	12	11	6			
10	11	5	3	12	9	6	8	0	0
11	12	6	3	12	7	5	24	0	0
12	12	4	2	12	8	5	24	0	0
13	12	7	4	12	6	4	24	0	0
14	12	4	2	12	3	1	24	0	0
15	12	2	2	12	3	1	24	0	0
16	12	2	1	12	4	2	24	0	0
17	12	4	3	12	6	4	24	0	0
18	12	9	3	12	9	4	24	0	0
19	12	3	1	12	4	3	24	0	0
20	12	3	2	12	4	2	24	0	0
21	12	8	1	12	8	2	24	0	0
22	8	10	3	12	9	3	24	0	0
23	8	2	1	12	4	2	24	0	0
24	8	2	1	12	4	2	24	0	0
25	12	1	1	12	3	2	24	0	0
26	12	10	3	12	9	3	24	0	0
27	12	2	1	12	5	2	24	0	0
28	12	1	1	12	4	2	24	0	0
29	12	2	1	12	4	3	24	0	0
30	12	2	1	12	4	3	24	0	0
31	12	1	1	12	3	2	24	0	0

STA 50104C STA 50105C STA 50106R

TOTAL NO. SAMPLES	353	371	675
MAXIMUM FOR MONTH	14	21	8
MONTHLY MEAN	2.4	4.1	0.3

MONTH MAY 1972

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

STA 50107R STA STA

TOTAL NO. SAMPLES	744
MAXIMUM FOR MONTH	10
MONTHLY MEAN	1.3

MONTH MAY 1972

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

STA 50201C STA STA

TOTAL NO. SAMPLES 463
MAXIMUM FOR MONTH 6
MONTHLY MEAN 0.9

MONTH MAY 1972

LOCATION

HULL

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

STA 60101C STA STA

TOTAL NO. SAMPLES 562
MAXIMUM FOR MONTH 11
MONTHLY MEAN 1.7

MONTH MAY 1972

LOCATION

OTTAWA

SUMMARY OF SULFUR DIOXIDE LEVELS
VALEURS CONDENSEES D'ANHYDRIDE SULFUREUX

STATION 602011				STATION 60204C				STATION			
DAY	NO. OF SAMP.	MAX	MEAN	NO. OF SAMP.	MAX	MEAN		NO. OF SAMP.	MAX	MEAN	
1	24	0	0	24	7	3					
2	24	1	0	24	7	3					
3	24	6	1	24	7	2					
4	24	7	3	24	4	1					
5	24	14	5	24	33	5					
6	24	8	3	24	21	9					
7	24	8	3	24	12	11					
8	24	5	3	24	14	7					
9	24	4	2	24	4	2					
10	23	15	4	24	3	1					
11	24	20	6	24	9	4					
12	24	5	2	24	4	1					
13	24	1	0	24	3	1					
14	24	0	0	24	2	0					
15	20	5	2	24	4	2					
16	24	6	4	24	4	3					
17	23	8	2	24	8	3					
18	13	12	4	24	14	6					
19				24	10	5					
20				24	7	5					
21				24	12	6					
22				24	12	5					
23				24	17	6					
24				24	11	5					
25				24	3	1					
26				24	4	2					
27				24	5	3					
28				24	6	3					
29				24	9	5					
30				24	4	2					
31				24	3	1					

STA 602011 STA 60204C STA

TOTAL NO. SAMPLES	415	744
MAXIMUM FOR MONTH	20	33
MONTHLY MEAN	2.3	3.5

MONTH MAY 1972

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

STA 60401C STA 60402R STA 60403I

TOTAL NO. SAMPLES	744	340	541
MAXIMUM FOR MONTH	20	4	12
MONTHLY MEAN	3.8	1.6	2.1

MONTH MAY 1972

LOCATION

TORONTO

SUMMARY OF SULFUR DIOXIDE LEVELS
VALEURS CONDENSEES D'ANHYDRIDE SULFUREUX

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

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

STA 60407C STA

TOTAL NO. SAMPLES 146
MAXIMUM FOR MONTH 9
MONTHLY MEAN 2.4

MONTH MAY 1972 LOCATION TORONTO

SUMMARY OF SULFUR DIOXIDE LEVELS
VALEURS CONDENSEES D'ANHYDRIDE SULFUREUX

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

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

STA 60501C STA 60505R STA

TOTAL NO. SAMPLES 744 706
MAXIMUM FOR MONTH 12 15
MONTHLY MEAN 1.9 0.9

MONTH MAY 1972 LOCATION HAMILTON

SUMMARY OF SULFUR DIOXIDE LEVELS
VALEURS CONDENSEES D'ANHYDRIDE SULFUREUX

STATION 60602R				STATION 60603R				STATION			
DAY	NO. OF SAMP.	MAX	MEAN	NO. OF SAMP.	MAX	MEAN		NO. OF SAMP.	MAX	MEAN	
1	24	17	7								
2	24	6	2	24	5	1					
3	24	2	0	24	3	0					
4	24	1	0	24	0	0					
5	24	58	5	24	23	2					
6	24	36	3	24	2	0					
7	24	6	1	24	0	0					
8	24	8	2	24	5	0					
9	24	2	1	24	12	1					
10	24	26	3	24	22	3					
11	24	15	2	24	21	2					
12	24	72	11	24	17	3					
13	24	5	1	24	3	0					
14	24	10	3	24	11	2					
15	24	11	3	24	3	0					
16	24	14	2	24	2	0					
17	24	10	1	22	4	0					
18	24	3	0	24	0	0					
19	24	22	5	24	5	1					
20	24	29	5	24	25	3					
21	24	1	0	24	0	0					
22	24	16	3	24	4	0					
23	24	55	13	7	0	0					
24	23	8	3								
25	24	3	0								
26	24	38	2								
27	24	19	1								
28	24	3	0								
29	24	7	1								
30	24	6	3								
31	24	3	1								

STA 60602R STA 60603R STA

TOTAL NO. SAMPLES 743 509
MAXIMUM FOR MONTH 72 25
MONTHLY MEAN 2.8 0.9

MONTH MAY 1972

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

STA 60901C STA STA

TOTAL NO. SAMPLES 709
MAXIMUM FOR MONTH 3
MONTHLY MEAN 0.5

MONTH MAY 1972

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

STA 61001C STA STA

TOTAL NO. SAMPLES 401
MAXIMUM FOR MONTH 22
MONTHLY MEAN 1.2

MONTH MAY 1972

LOCATION

SARNIA

SUMMARY OF SULFUR DIOXIDE LEVELS
VALEURS CONDENSEES D'ANHYDRIDE SULFUREUX

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

STA 70101C STA STA

TOTAL NO. SAMPLES 587
MAXIMUM FOR MONTH 9
MONTHLY MEAN 0.4

MONTH MAY 1972

LOCATION

WINNIPEG

SUMMARY OF SULFUR DIOXIDE LEVELS
VALEURS CONDENSEES D'ANHYDRIDE SULFUREUX

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

STA 80108C STA STA

TOTAL NO. SAMPLES 668
MAXIMUM FOR MONTH 2
MONTHLY MEAN 0.0

MONTH MAY 1972

LOCATION

REGINA