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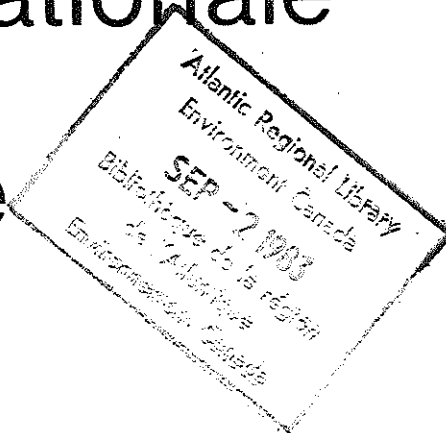
Environnement
Canada
Service de la
protection de
l'environnement

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Monthly Summary November 1982

National Air Pollution Surveillance

Surveillance nationale de la pollution atmosphérique



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Surveillance Report
EPS 5-AP-82-11

Environmental Protection
Programs Directorate

Rapport de surveillance
EPS 5-AP-82-11

Direction générale des
programmes de la protection
de l'environnement

Canada

SULPHUR DIOXIDE
PARTS PER HUNDRED MILLIONNOVEMBER - NOVEMBRE
1982DIOXYDE DE SOUFRE
PARTIES PAR CENT MILLIONS

STATION	LOCATION EMPLACEMENT	NUMBER OF HOURLY SAMPLES NOMBRE DE DONNEES HORAIRES	MONTHLY MEAN MOYENNE MENSUELLE	FREQUENCY DISTRIBUTIONS - CENTILES - DISTRIBUTIONS DES FREQUENCES				MEANS ---- MOYENNES			
				INTERVALS - INTERVALLES				24-HOUR / HEURES			
				70	95	99	MAX	70	95	99	MAX
10101C	ST. JOHN'S, NFLD. DUCKWORTH & ORDINANCE	237	---	1	2	3	4	1	2	2	2
20101C	CHARLOTTETOWN, P.E.I. 56 FITZROY ST.	523	***	1	3	7	8	1	3	4	5
30114R	HALIFAX, N.S. MT ST VINCENT UNIVERSITY	657	***	1	5	6	6	1	3	5	5
30115I	CPB SHEARWATER	628	1.2	1	5	9	12	1	3	4	5
30116C	BARRINGTON & DUKE	607	1.3	1	3	4	6	2	3	3	3
30310C	SYDNEY, N.S. COUNTY JAIL	649	***	1	2	5	11	1	3	3	4
30311R	WHITNEY PIER FIRE STN.	339	---	3	5	7	8	3	4	5	5
30408R	GLACE BAY, N.S. SOUTH STREET	513	5.4	8	10	12	20	8	9	9	9
40202C	SAINT JOHN, N.B. POST OFFICE	658	1.1	2	3	5	6	2	2	3	3
50101R	MONTREAL, QUEBEC PARC JARRY	603	1.3	2	3	5	6	2	3	3	4
50102R	JARDIN BOTANIQUE	621	***	1	3	6	9	1	3	3	3
50103R	POINTE-AUX-TREMBLES	670	1.9	2	9	13	21	2	7	8	8
50104C	1125 ONTARIO EST	628	1.4	2	3	5	6	2	3	3	3
50106R	VILLE ST-LAURENT	638	***	1	2	2	3	1	2	2	2
50108R	1700 BOURASSA, LONGUEUIL	262	---	1	1	3	3	1	1	1	1
50109C	DUNCAN & DECARIE	696	1.2	1	3	5	7	1	3	4	4
50110C	PARC PILON, MTL.-NORD	615	***	1	2	4	5	1	2	2	2
50112C	BOUL. LAURENTIDES	629	***	1	3	4	5	1	3	3	3
50113R	PIE X & CARDINAL	642	***	1	2	4	6	1	2	3	3
50115C	1001 BOUL MAISONNEUVE O.	645	1.9	2	4	6	8	2	4	4	4
50116R	3161 JOSEPH, VERDUN	720	***	1	2	3	5	1	2	2	2
50203R	HULL, QUEBEC GAMBLIN & JOFFRE	645	***	1	2	3	4	1	2	2	2
50303I	QUEBEC, QUEBEC CENTRE LOISIRS LIMOILLOU	647	4.3	4	16	53	68	5	17	29	33
50304C	325 DORCHESTER SUD	437	2.2	2	8	17	26	3	6	7	8
50306R	2026 BLVD. ST-CYRILLE	572	2.0	2	6	13	21	2	6	6	6
50601C	ROUYN, QUEBEC HOTEL DE VILLE	688	***	0	1	4	35	0	1	6	6
50701C	SEPT-ILES, QUEBEC HOTEL DE VILLE	603	***	0	1	2	3	0	1	1	1
50801R	TROIS-RIVIERES, QUEBEC HART & STE-CECILE	609	1.3	2	3	4	5	2	3	3	3
50901R	ARVIDA, QUEBEC POWELL & HOOPES	654	2.0	2	10	14	18	3	7	9	10
51001R	TRACY, QUEBEC 3225 AVE COURSHESNE	616	***	1	4	7	12	1	3	4	4
51201I	SHAWINIGAN, QUEBEC FRIGON & LAVAL	285	---	1	2	3	5	1	1	1	1
51301R	BAIE COMEAU, QUEBEC 39 AVE. MARGUETTE	610	1.4	1	7	21	27	2	4	5	5
60101C	OTTAWA, ONT. 88 SLATER ST.	580	***	1	2	4	5	1	1	2	2
60104C	RIDEAU & WURTEMBERG	702	***	0	2	3	10	1	1	2	2
60105R	NRC, MONTREAL ROAD	617	***	1	2	2	4	1	1	2	2
60201I	WINDSOR, ONT. MORTON TERMINAL DOCK	719	***	0	1	3	5	1	1	2	2
60204C	471 UNIVERSITY AVENUE	684	***	1	3	5	7	2	2	3	3
60211R	COLLEGE & PRINCE	691	***	1	3	5	9	1	2	3	3
60402R	TORONTO, ONT. DON MILLS, SCIENCE CNTR	716	***	1	2	4	6	1	2	2	2
60403I	EVANS & ARNOLD	706	***	0	2	4	5	0	2	3	3
60409R	REDLANDS CRESCENT	711	***	0	2	2	5	0	1	2	2
60410R	LAWRENCE & KENNEDY	710	***	1	2	4	5	1	1	2	3
60412R	BATHURST & WILSON	645	***	1	3	4	8	1	2	3	3
60413R	ELMCREST ROAD	669	***	0	2	3	4	1	2	2	2
60414I	SHERBOURNE & WILTON ST.	700	***	0	1	2	3	0	1	2	2
60415R	QUEENSWAY W & HURONTARIO	715	1.6	2	4	5	11	2	3	4	4
60417C	26 BREADALBANE STREET	711	***	1	2	3	6	1	2	2	2

*** CALCULATED MEANS ARE BELOW 10 PARTS PER BILLION.
LES MOYENNES SONT INFÉRIEURES À 10 PARTIES PAR BILLION.

--- INSUFFICIENT DATA FOR CALCULATION OF A VALID MEAN.
IL N'Y A PAS ASSEZ DE DONNÉES POUR CALCULER UNE MOYENNE VALABLE.

SULPHUR DIOXIDE
PARTS PER HUNDRED MILLIONNOVEMBER - NOVEMBRE
1982DIOXYDE DE SOUFRE
PARTIES PAR CENT MILLIONS

STATION	LOCATION EMPLACEMENT	NUMBER OF HOURLY SAMPLES NOMBRE DE DONNEES HORAIRES	MONTHLY MEAN MOYENNE MENSUELLE	FREQUENCY DISTRIBUTIONS - CENTILES -				DISTRIBUTIONS DES FREQUENCES			
				INTERVALS - INTERVALLES				MEANS ----- MOYENNES			
				1-HOUR / HEURE				24-HOUR / HEURES			
				70	95	99	MAX	70	95	99	MAX
60501C	HAMILTON, ONT. BARTON & SANFORD	712	1.5	2	4	6	8	2	3	4	4
60505R	NORTH PARK	612	1.1	1	4	5	6	2	4	4	4
60602R	SUDBURY, ONT. ASH STREET	703	***	1	2	2	5	1	1	2	2
60606C	KENNEDY STREET	706	***	0	0	1	2	0	1	1	1
60704C	SAULT STE. MARIE, ONT. QUEEN & ELGIN	712	***	0	1	2	5	0	1	1	1
60806R	THUNDER BAY, ONT. 435 JAMES S.	715	***	0	0	1	3	0	0	1	1
60901C	LONDON, ONT. KING & RECTORY	699	***	1	2	2	4	1	1	1	1
61004R	SARNIA, ONT. FRONT ST. AT C.N. TRACKS	712	1.4	1	8	16	22	1	7	10	10
61103C	PETERBOROUGH, ONT. 500 GEORGE STREET	489	***	0	2	3	4	0	2	2	2
61201R	CORNWALL, ONT. MEMORIAL PARK	710	***	1	3	6	13	1	2	3	3
61301C	ST. CATHARINES, ONT. NORTH ST. & GENEVA ST.	713	***	0	2	3	4	0	2	2	2
61501C	KITCHENER, ONT. EDNA & FREDERICK	657	***	0	3	5	7	0	3	4	4
61602R	OAKVILLE, ONT. BRONTE AND WOBURN CRES.	704	***	1	4	9	16	1	3	6	6
61701R	OSHAWA, ONT. RITSON RD. & OLIVE AVE.	711	***	0	2	4	5	0	2	3	3
61801C	GUELPH, ONT. FARQUHAR & WYNDHAM	719	***	0	1	2	6	0	1	2	2
70118R	WINNIPEG, MAN. JEFFERSON & SCOTIA	672	***	0	0	2	4	0	0	1	1
70119C	65 ELLEN STREET	552	***	0	0	1	3	0	0	0	0
70120R	604 ST. MARY'S RD.	496	***	0	1	2	2	0	1	1	1
80109C	REGINA, SASK. 1620 ALBERT STREET	0	---	-	-	-	-	-	-	-	-
80209C	SASKATOON, SASK. IDYLWYLD DR. & 33RD ST.	487	***	0	0	0	1	0	0	0	0
80301C	MOOSE JAW, SASK. FAIRFORD ST. & 1ST AVE.	0	---	-	-	-	-	-	-	-	-
80401C	PRINCE ALBERT, SASK. 1257-1ST AVE. EAST	250	---	0	0	0	0	0	0	0	0
90121I	EDMONTON, ALTA. 17 STREET & 105 AVENUE	677	***	0	0	1	3	0	0	1	1
90218I	CALGARY, ALTA. BONNY BRK & 18A ST. S.E.	661	***	1	2	4	8	1	2	2	3
00106R	VANCOUVER, B.C. 2294 WEST 10TH AVENUE	713	***	1	2	3	4	1	2	2	2
00110R	E. HASTINGS & KENSINGTON	300	---	1	2	3	5	1	2	2	2
00111I	ROCKY PT. PARK	666	***	1	1	2	4	1	1	1	1
00112C	ROBSON/HORNEY	657	***	1	2	3	3	1	1	2	2
00302C	VICTORIA, B.C. 1106 COOK ST.	0	---	-	-	-	-	-	-	-	-
00401C	KAMLOOPS, B.C. 301 SEYMOUR ST.	643	***	0	0	1	2	0	0	0	0

*** CALCULATED MEANS ARE BELOW 10 PARTS PER BILLION.
LES MOYENNES SONT INFÉRIEURES À 10 PARTIES PAR BILLION.

--- INSUFFICIENT DATA FOR CALCULATION OF A VALID MEAN.
IL N'Y A PAS ASSEZ DE DONNÉES POUR CALCULER UNE MOYENNE VALABLE.

CARBON MONOXIDE
PARTS PER MILLIONNOVEMBER - NOVEMBRE
1982MONOXYDE DE CARBONE
PARTIES PAR MILLION

STATION	LOCATION EMPLACEMENT	NUMBER OF HOURLY SAMPLES NOMBRE DE DONNEES HORAIRES	MONTHLY MEAN MOYENNE MENSUELLE	FREQUENCY DISTRIBUTIONS - CENTILES - DISTRIBUTIONS DES FREQUENCES				CENTILES - DISTRIBUTIONS DES FREQUENCES				CENTILES - DISTRIBUTIONS DES FREQUENCES			
				INTERVALS - INTERVALLES				MEANS				MEANS			
				1-HOUR / HEURE				8-HOUR / HEURES				24-HOUR / HEURES			
				70	95	99	MAX	70	95	99	MAX	70	95	99	MAX
10101C	ST. JOHN'S, NPLD. DUCKWORTH & ORDINANCE	0	---	-	-	-	-	-	-	-	-	-	-	-	-
30116C	HALIFAX, N.S. BARRINGTON & DUKE	681	1.6	2	4	7	11	2	4	7	7	2	4	4	4
40202C	SAINT JOHN, N.B. POST OFFICE	718	1.4	1	5	8	14	2	4	6	7	2	3	4	4
50102R	MONTREAL, QUEBEC JARDIN BOTANIQUE	588	1.2	1	3	7	9	1	3	6	6	1	2	4	4
50103R	POINTE-AUX-TREMBLES	717	1.0	1	3	7	9	1	3	4	5	1	2	3	3
50104C	1125 ONTARIO EST	712	2.4	3	5	10	21	3	4	9	10	3	5	6	7
50108R	1700 BOURASSA, LONGUEUIL	696	1.6	2	4	8	10	2	3	6	7	2	4	4	4
50109C	DUNCAN & DECARIE	720	2.4	3	7	11	15	3	6	9	10	3	5	6	6
50110C	PARC PILON, MTL.-NORD	233	---	2	4	15	18	2	4	10	11	2	5	5	5
50112C	BOUL. LAURENTIDES	591	1.1	1	3	13	19	1	3	11	14	1	3	6	7
50113R	PIE X & CARDINAL	699	1.0	1	3	9	10	1	3	5	8	1	2	4	4
50115C	1001 BOUL MAISONNEUVE O.	570	3.3	4	7	10	18	4	6	9	10	4	5	5	6
50116R	3161 JOSEPH, VERDUN	720	0.8	1	2	5	10	1	3	4	6	1	2	3	3
50203R	HULL, QUEBEC GAMBLIN & JOFFRE	717	0.8	1	3	4	5	1	2	3	4	1	2	2	2
50304C	QUEBEC, QUEBEC 325 DORCHESTER SUD	453	2.1	2	6	9	10	3	5	7	7	3	5	5	5
60101C	OTTAWA, ONT. 88 SLATER ST.	703	2.7	3	7	11	26	3	6	10	15	3	4	7	7
60104C	RIDEAU & WURTEMBERG	707	1.3	1	3	4	5	1	2	3	4	1	2	2	2
60204C	WINDSOR, ONT. 471 UNIVERSITY AVENUE	650	0.7	1	2	4	7	1	2	4	4	1	2	3	3
60402R	TORONTO, ONT. DON MILLS, SCIENCE CNTR	718	2.0	2	3	4	5	2	3	4	4	2	3	3	3
60403I	EVANS & ARNOLD	693	2.5	3	6	7	8	3	5	7	7	3	5	7	7
60410R	LAWRENCE & KENNEDY	710	1.4	2	3	4	8	2	3	3	4	2	2	2	2
60412R	BATHURST & WILSON	709	1.9	2	4	7	8	2	4	5	5	2	3	4	4
60413R	ELMCREST ROAD	707	0.9	1	3	4	6	1	2	3	4	1	2	3	3
60414I	SHERBOURNE & WILTON ST.	712	1.2	1	3	4	5	1	2	3	3	1	2	2	2
60415R	QUEENSWAY W & HURONTARIO	638	1.4	1	3	6	10	2	3	5	5	2	3	3	4
60416C	381 YONGE STREET	715	4.1	5	9	14	19	5	9	11	14	5	7	8	8
60417C	26 BREADALBANE STREET	706	1.4	2	3	4	5	2	3	3	4	2	2	2	3
60501C	HAMILTON, ONT. BARTON & SANFORD	429	1.8	2	5	6	10	2	4	5	6	2	4	5	5
60602R	SUDBURY, ONT. ASH STREET	711	***	0	1	2	4	0	1	1	2	0	1	1	1
60901C	LONDON, ONT. KING & RECTORY	703	***	0	2	4	9	1	2	3	4	1	1	2	2
61004R	SARNIA, ONT. FRONT ST. AT C.N. TRACKS	657	***	0	1	2	7	0	1	2	3	0	1	1	1
61201R	CORNWALL, ONT. MEMORIAL PARK	709	1.3	1	3	7	12	1	2	5	7	1	3	4	4
61301C	ST. CATHARINES, ONT. NORTH ST. & GENEVA ST.	706	0.5	1	2	7	9	1	2	4	6	1	2	4	4
61501C	KITCHENER, ONT. EDNA & FREDERICK	716	1.1	1	3	6	12	1	3	4	5	1	3	3	4
61602R	OAKVILLE, ONT. BRONTE AND WOBURN CRES.	705	1.3	1	4	7	9	1	4	4	6	1	3	3	3
61701R	OSHAWA, ONT. RITSON RD. & OLIVE AVE.	705	1.8	2	4	7	11	2	4	4	6	3	3	4	4
70118R	WINNIPEG, MAN. JEFFERSON & SCOTIA	670	0.8	1	3	5	8	1	2	4	5	1	2	3	3
70119C	65 ELLEN STREET	467	1.0	1	3	5	6	1	2	4	4	1	2	3	3
70120R	604 ST. MARY'S RD.	680	0.9	1	3	8	17	1	2	6	10	1	3	4	4
80109C	REGINA, SASK. 1620 ALBERT STREET	708	0.9	1	4	7	13	1	3	5	5	1	2	3	4
80209C	SASKATOON, SASK. IDYLYWYLD DR. & 33RD ST.	304	---	1	2	3	5	1	2	3	3	1	1	2	2

*** CALCULATED MEANS ARE BELOW 500 PARTS PER BILLION.
LES MOYENNES SONT INFERIEURES A 500 PARTIES PAR BILLION.

--- INSUFFICIENT DATA FOR CALCULATION OF A VALID MEAN.
IL N'Y A PAS ASSEZ DE DONNEES POUR CALCULER UNE MOYENNE VALABLE.

CARBON MONOXIDE
PARTS PER MILLIONNOVEMBER - NOVEMBRE
1982MONOXYDE DE CARBONE
PARTIES PAR MILLION

STATION	LOCATION EMPLACEMENT	NUMBER OF HOURLY SAMPLES NOMBRE DE DONNEES HORAIRES	MONTHLY MEAN MOYENNE MENSUELLE	FREQUENCY DISTRIBUTIONS - CENTILES - DISTRIBUTIONS DES FREQUENCES											
				INTERVALS - INTERVALLES				MEANS ----- MOYENNES							
				1-HOUR / HEURE				8-HOUR / HEURES				24-HOUR / HEURES			
				70	95	99	MAX	70	95	99	MAX	70	95	99	MAX
EDMONTON, ALTA.															
90121I	17 STREET & 105 AVENUE	693	1.1	1	3	5	7	1	3	4	4	1	2	3	3
90122R	127 ST. & 133 AVENUE	693	1.7	2	6	10	14	2	6	8	9	2	5	7	7
90130C	10255 - 104TH STREET	702	2.3	3	6	9	13	3	5	8	8	2	5	6	6
CALGARY, ALTA.															
90222R	39 ST. & 29 AVE. N.W.	687	1.7	2	6	11	14	2	5	7	10	2	4	5	5
90227C	1611-4TH STREET S.W.	700	2.8	3	9	13	47	3	7	15	20	3	6	10	10
VANCOUVER, B.C.															
00106R	2294 WEST 10TH AVENUE	701	2.2	3	7	10	13	3	5	7	8	3	5	5	6
00108I	250 WEST 70TH AVENUE	708	3.1	3	8	12	16	3	6	10	12	4	7	7	7
00110R	E. HASTINGS & KENSINGTON	706	1.2	2	4	5	7	2	4	5	5	1	4	4	4
00111I	ROCKY PT. PARK	700	2.1	2	5	7	9	3	5	6	7	2	4	5	5
00112C	ROBSON/HORNEY	541	2.8	3	6	8	9	3	5	7	7	3	4	6	6
VICTORIA, B.C.															
00302C	1106 COOK ST.	663	1.9	2	5	8	9	2	4	6	7	2	3	4	4

NITROGEN DIOXIDE
PARTS PER HUNDRED MILLION

NOVEMBER - NOVEMBRE
1982

DIOXYDE D'AZOTE
PARTIES PAR CENT MILLIONS

STATION	LOCATION EMPLACEMENT	NUMBER OF HOURLY SAMPLES NOMBRE DE DONNEES HORAIRES	MONTHLY MEAN MOYENNE MENSUELLE	FREQUENCY DISTRIBUTIONS - CENTILES - DISTRIBUTIONS DES FREQUENCES				MEANS ---- MOYENNES			
				INTERVALS - INTERVALLES				24-HOUR / HEURES			
				70	95	99	MAX	70	95	99	MAX
	HALIFAX, N.S.										
30115I	CFB SHEARWATER	697	1.1	1	3	4	8	1	2	3	3
30116C	BARRINGTON & DUKE	699	***	1	2	3	4	1	2	3	3
	SAINT JOHN, N.B.										
40202C	POST OFFICE	718	***	0	1	2	5	0	1	1	1
	MONTREAL, QUEBEC										
50102R	JARDIN BOTANIQUE	152	---	3	9	9	10	5	7	7	7
50104C	1125 ONTARIO EST	709	2.5	3	4	4	5	3	3	3	3
50108R	1700 BOURASSA, LONGUEUIL	277	---	1	2	3	3	1	2	2	2
50109C	DUNCAN & DECARIE	0	---	-	-	-	-	-	-	-	-
50110C	PARC PILON, MTL.-NORD	165	---	2	3	3	3	2	3	3	3
50112C	BOUL. LAURENTIDES	629	2.5	3	4	5	6	3	4	4	4
50113R	PIE X & CARDINAL	528	2.2	3	4	4	6	3	3	4	4
50115C	1001 BOUL MAISONNEUVE O.	498	3.6	4	5	6	7	4	5	5	5
50116R	3161 JOSEPH, VERDUN	713	***	1	2	2	3	1	1	2	2
	HULL, QUEBEC										
50203R	GAMBLIN & JOFFRE	718	1.3	2	3	4	4	2	3	3	3
	QUEBEC, QUEBEC										
50304C	325 DORCHESTER SUD	479	3.0	4	5	6	6	4	5	5	5
	OTTAWA, ONT.										
60101C	88 SLATER ST.	718	2.4	3	4	5	6	3	3	4	4
60104C	RIDEAU & WURTEMBERG	708	1.5	2	3	5	7	2	3	3	3
60105R	NRC, MONTREAL ROAD	719	1.7	2	4	4	5	2	3	3	3
	WINDSOR, ONT.										
60204C	471 UNIVERSITY AVENUE	706	2.8	3	6	8	12	3	6	6	7
	TORONTO, ONT.										
60402R	DON MILLS, SCIENCE CNTR	711	2.3	3	4	4	5	3	3	4	4
60403I	EVANS & ARNOLD	708	2.5	3	4	5	6	3	4	4	5
60410R	LAWRENCE & KENNEDY	713	2.3	3	4	5	5	3	3	4	4
60412R	BATHURST & WILSON	711	3.2	4	7	9	11	4	6	7	7
60413R	ELMCREST ROAD	702	1.9	2	4	5	6	2	4	4	4
60414I	SHERBOURNE & WILTON ST.	713	2.5	3	4	4	6	3	3	4	4
60415R	QUEENSWAY W & HURONTARIO	714	2.3	3	4	4	5	3	3	4	4
60417C	26 BREADALBANE STREET	706	2.3	3	4	5	6	3	3	4	4
	HAMILTON, ONT.										
60501C	BARTON & SANFORD	709	2.4	3	4	5	7	3	4	5	5
60505R	NORTH PARK	709	2.2	3	4	5	6	3	4	4	4
	SUDBURY, ONT.										
60602R	ASH STREET	708	***	1	2	3	4	1	2	2	2
	LONDON, ONT.										
60901C	KING & RECTORY	705	2.2	3	4	5	5	2	4	4	4
	SARNIA, ONT.										
61004R	FRONT ST. AT C.N. TRACKS	686	2.2	3	5	6	6	3	4	5	5
	CORNWALL, ONT.										
61201R	MEMORIAL PARK	704	***	1	2	3	4	1	2	2	2
	ST. CATHARINES, ONT.										
61301C	NORTH ST. & GENEVA ST.	710	1.9	2	4	5	6	2	3	4	4
	KITCHENER, ONT.										
61501C	EDNA & FREDERICK	717	2.6	3	4	6	6	3	5	5	5
	OAKVILLE, ONT.										
61602R	BRONTE AND WOBURN CRES.	706	1.7	2	3	4	5	2	3	3	3
	OSHAWA, ONT.										
61701R	RITSON RD. & OLIVE AVE.	705	1.7	2	3	4	4	2	3	3	3
	WINNIPEG, MAN.										
70118R	JEFFERSON & SCOTIA	613	***	1	2	3	3	1	2	2	2
70119C	65 ELLEN STREET	545	1.9	2	4	5	5	2	4	4	4
	REGINA, SASK.										
80109C	1620 ALBERT STREET	576	2.0	2	6	9	12	2	5	6	6
	EDMONTON, ALTA.										
90122R	127 ST. & 133 AVENUE	694	3.3	4	6	9	14	4	6	7	7
90130C	10255 - 104TH STREET	702	3.4	4	5	5	8	4	4	5	5
	CALGARY, ALTA.										
90222R	39 ST. & 29 AVE. N.W.	666	2.1	3	4	7	11	2	3	5	5
90227C	1611-4TH STREET S.W.	693	5.2	6	9	16	24	6	8	11	12

*** CALCULATED MEANS ARE BELOW 10 PARTS PER BILLION.
LES MOYENNES SONT INFÉRIEURES À 10 PARTIES PAR BILLION.

--- INSUFFICIENT DATA FOR CALCULATION OF A VALID MEAN.
IL N'Y A PAS ASSEZ DE DONNÉES POUR CALCULER UNE MOYENNE VALABLE.

NITROGEN DIOXIDE
PARTS PER HUNDRED MILLION

NOVEMBER - NOVEMBRE
1982

DIOXYDE D'AZOTE
PARTIES PAR CENT MILLIONS

STATION	LOCATION EMPLACEMENT	NUMBER OF HOURLY SAMPLES NOMBRE DE DONNEES HORAIRES	MONTHLY MEAN MOYENNE MENSUELLE	FREQUENCY DISTRIBUTIONS - CENTILES -				DISTRIBUTIONS DES FREQUENCES			
				INTERVALS - INTERVALLES				MEANS ---- MOYENNES			
				1-HOUR / HEURE				24-HOUR / HEURES			
				70	95	99	MAX	70	95	99	MAX
VANCOUVER, B.C.											
00106R	2294 WEST 10TH AVENUE	125	---	1	2	3	3	1	2	2	2
00108I	250 WEST 70TH AVENUE	618	2.9	3	5	7	8	3	5	6	6
00110R	E. HASTINGS & KENSINGTON	510	1.6	2	5	7	9	2	4	4	5
00111I	ROCKY PT. PARK	701	1.9	2	4	5	7	2	3	3	3
00112C	ROBSON/HORNBY	372	1.9	2	3	4	5	2	3	3	3
VICTORIA, B.C.											
00302C	1106 COOK ST.	0	---	-	-	-	-	-	-	-	-

--- INSUFFICIENT DATA FOR CALCULATION OF A VALID MEAN.
IL N'Y A PAS ASSEZ DE DONNEES POUR CALCULER UNE MOYENNE VALABLE.

OZONE PARTS PER HUNDRED MILLION			NOVEMBER - NOVEMBRE 1982				OZONE PARTIES PAR CENT MILLIONS				
STATION	LOCATION EMPLACEMENT	NUMBER OF HOURLY SAMPLES NOMBRE DE DONNEES HORAIRES	MONTHLY MEAN MOYENNE MENSUELLE	FREQUENCY DISTRIBUTIONS - CENTILES - DISTRIBUTIONS DES FREQUENCES				MEANS ---- MOYENNES 24-HOUR / HEURES			
				INTERVALS - INTERVALLES							
				1-HOUR / HEURE							
				70	95	99	MAX	70	95	99	MAX
30115I	HALIFAX, N.S.	0	---	-	-	-	-	-	-	-	-
30116C	CFB SHEARWATER	690	0.7	1	2	2	3	1	2	2	2
	BARRINGTON & DUKE										
40202C	SAINT JOHN, N.B.	718	2.4	3	4	5	5	3	4	4	4
	POST OFFICE										
50102R	MONTREAL, QUEBEC	336	---	0	1	1	1	0	1	1	1
50103R	JARDIN BOTANIQUE	625	0.8	1	2	4	7	1	2	2	2
50104C	POINTE-AUX-TREMBLES	704	0.5	1	2	2	3	1	1	1	1
50108R	1125 ONTARIO EST	354	---	1	2	3	3	1	2	2	2
50109C	1700 BOURASSA, LONGUEUIL	0	---	-	-	-	-	-	-	-	-
50110C	DUNCAN & DECARIE	570	0.6	1	3	4	4	1	3	3	4
50112C	PARC PILON, MTL.-NORD	691	1.0	2	3	3	4	1	2	3	3
50113R	BOUL. LAURENTIDES	698	0.9	1	2	3	4	1	2	2	2
50115C	PIE X & CARDINAL	716	***	0	0	1	1	0	0	1	1
50116R	1001 BOUL MAISONNEUVE O.	720	0.7	1	2	2	2	1	2	2	2
	3161 JOSEPH, VERDUN										
50304C	QUEBEC, QUEBEC	611	0.7	1	2	3	3	1	2	2	2
50306R	325 DORCHESTER SUD	700	0.7	1	1	1	2	1	1	1	1
	2026 BLVD. ST-CYRILLE										
60101C	OTTAWA, ONT.	717	***	0	1	1	2	0	1	1	1
60104C	88 SLATER ST.	697	0.9	1	2	3	4	1	2	2	2
60105R	RIDEAU & WURTEMBERG	717	0.8	1	2	3	6	1	2	2	2
	NRC, MONTREAL ROAD										
60204C	WINDSOR, ONT.	684	0.8	1	2	3	4	1	2	2	3
	471 UNIVERSITY AVENUE										
60402R	TORONTO, ONT.	656	0.8	1	2	3	4	1	2	2	2
60403I	DON MILLS, SCIENCE CNTR	705	0.5	1	2	3	3	1	1	2	2
60410R	EVANS & ARNOLD	711	0.7	1	2	2	3	1	1	2	2
60413R	LAWRENCE & KENNEDY	566	0.7	1	2	3	3	1	2	2	2
60414I	ELMCREST ROAD	712	***	1	2	2	4	1	1	1	1
60415R	SHERBOURNE & WILTON ST.	718	0.7	1	2	3	3	1	2	2	2
60417C	QUEENSWAY W & HURONTARIO	705	0.6	1	2	2	3	1	1	2	2
	26 BREADALBANE STREET										
60501C	HAMILTON, ONT.	709	0.8	1	3	3	3	1	2	2	2
	BARTON & SANFORD										
60602R	SUDBURY, ONT.	705	1.0	1	2	2	3	1	2	2	2
	ASH STREET										
60806R	THUNDER BAY, ONT.	715	0.9	1	2	2	3	1	2	2	2
	435 JAMES S.										
60901C	LONDON, ONT.	702	1.0	1	2	3	4	1	2	2	2
	KING & RECTORY										
61004R	SARNIA, ONT.	707	1.0	2	3	3	4	1	2	2	2
	FRONT ST. AT C.N. TRACKS										
61201R	CORNWALL, ONT.	707	1.2	2	3	4	6	2	2	3	3
	MEMORIAL PARK										
61301C	ST. CATHARINES, ONT.	712	1.1	2	3	3	3	1	2	3	3
	NORTH ST. & GENEVA ST.										
61501C	KITCHENER, ONT.	544	0.8	1	2	3	3	1	2	2	2
	EDNA & FREDERICK										
61602R	OAKVILLE, ONT.	715	0.8	1	2	2	3	1	2	2	2
	BRONTE AND WOBURN CRES.										
61701R	OSHAWA, ONT.	630	1.2	2	3	3	5	2	2	2	3
	RITSON RD. & OLIVE AVE.										
70118R	WINNIPEG, MAN.	648	1.4	2	3	3	4	2	3	3	3
70119C	JEFFERSON & SCOTIA	681	***	1	2	2	3	0	2	2	2
	65 ELLEN STREET										
80109C	REGINA, SASK.	687	1.0	1	3	5	12	1	2	4	4
	1620 ALBERT STREET										
90122R	EDMONTON, ALTA.	686	0.9	1	3	3	4	1	2	3	3
90130C	127 ST. & 133 AVENUE	690	0.7	1	2	2	3	1	1	2	2
	10255 - 104TH STREET										
90222R	CALGARY, ALTA.	682	1.1	2	3	3	4	2	2	2	3
90227C	39 ST. & 29 AVE. N.W.	687	***	0	1	2	3	1	1	1	1
	1611-4TH STREET S.W.										

*** CALCULATED MEANS ARE BELOW 5 PARTS PER BILLION.
LES MOYENNES SONT INFÉRIEURES À 5 PARTIES PAR BILLION.

--- INSUFFICIENT DATA FOR CALCULATION OF A VALID MEAN.
IL N'Y A PAS ASSEZ DE DONNÉES POUR CALCULER UNE MOYENNE VALABLE.

OZONE PARTS PER HUNDRED MILLION		NOVEMBER - NOVEMBRE 1982				OZONE PARTIES PAR CENT MILLIONS					
STATION	LOCATION EMPLACEMENT	NUMBER OF HOURLY SAMPLES NOMBRE DE DONNEES HORAIRES	MONTHLY MEAN MOYENNE MENSUELLE	FREQUENCY DISTRIBUTIONS - CENTILES - DISTRIBUTIONS DES FREQUENCES				INTERVALS - INTERVALLES			
				1-HOUR / HEURE				24-HOUR / HEURES			
				70	95	99	MAX	70	95	99	MAX
VANCOUVER, B.C.											
00106R	2294 WEST 10TH AVENUE	698	***	0	2	3	3	0	1	1	2
00108I	250 WEST 70TH AVENUE	706	***	0	2	2	4	0	1	1	1
00110R	E. HASTINGS & KENSINGTON	640	0.8	1	3	3	4	1	2	2	2
00111I	ROCKY PT. PARK	283	---	1	3	3	3	1	1	2	2
00112C	ROBSON/HORNBY	705	***	0	1	2	2	0	1	1	1
VICTORIA, B.C.											
00302C	1106 COOK ST.	687	0.7	1	3	3	3	1	2	2	2

*** CALCULATED MEANS ARE BELOW 5 PARTS PER BILLION.
LES MOYENNES SONT INFÉRIEURES À 5 PARTIES PAR BILLION.

--- INSUFFICIENT DATA FOR CALCULATION OF A VALID MEAN.
IL N'Y A PAS ASSEZ DE DONNÉES POUR CALCULER UNE MOYENNE VALABLE.

SOILING INDEX
COH UNITS PER 1000 LINEAR FT.

NOVEMBER - NOVEMBRE
1982

INDICE DE SOUILLURE
UNITES COH PAR 1000 PIEDS LINEAIRES

STATION	LOCATION EMPLACEMENT	NUMBER OF SAMPLES NOMBRE DE DONNEES	MONTHLY MEAN MOYENNE MENSUELLE	FREQUENCY DISTRIBUTIONS				DISTRIBUTIONS DES FREQUENCES			
				INTERVALS - INTERVALLES				MEANS ----- MOYENNES			
				2-HOUR / HEURES				24-HOUR / HEURES			
				70	95	99	MAX	70	95	99	MAX
MONTREAL, QUEBEC											
50101R	PARC JARRY	273	0.16	0.2	0.5	1.0	1.2	0.2	0.4	0.5	0.6
50103R	POINTE-AUX-TREMBLES	298	0.32	0.4	0.9	1.6	1.8	0.4	0.8	0.9	0.9
50104C	1125 ONTARIO EST	359	0.48	0.5	1.1	2.4	3.8	0.5	1.1	1.3	1.3
50106R	VILLE ST-LAURENT	316	0.50	0.6	1.4	2.4	3.0	0.6	1.1	1.6	1.6
50109C	DUNCAN & DECARIE	267	0.40	0.5	1.0	2.2	2.7	0.5	0.8	1.2	1.2
50110C	PARC PILON, MTL.-NORD	360	0.40	0.5	1.1	2.0	2.5	0.5	0.9	1.2	1.2
50115C	1001 BOUL MAISONNEUVE O.	328	0.39	0.5	1.0	1.5	2.7	0.5	0.8	1.0	1.0
50116R	3161 JOSEPH, VERDUN	315	0.39	0.5	1.1	1.8	2.0	0.4	1.0	1.2	1.2
HULL, QUEBEC											
50203R	GAMELIN & JOFFRE	360	0.24	0.3	0.8	1.1	1.8	0.3	0.5	0.5	0.6
TROIS-RIVIERES, QUEBEC											
50801R	HART & STE-CECILE	285	0.22	0.3	0.5	0.9	1.2	0.3	0.4	0.5	0.5
SHAWINIGAN, QUEBEC											
51201I	FRIGON & LAVAL	0	----	-	-	-	-	-	-	-	-
OTTAWA, ONT.											
60101C	88 SLATER ST.	360	0.24	0.3	0.6	0.8	1.0	0.3	0.4	0.5	0.5
60104C	RIDEAU & WURTEMBURG	624	(1) 0.27	0.3	0.6	0.9	1.3	0.3	0.5	0.5	0.5
WINDSOR, ONT.											
60204C	471 UNIVERSITY AVENUE	706	(1) 0.44	0.5	1.0	1.5	2.3	0.5	0.9	1.3	1.3
60211R	COLLEGE & PRINCE	706	(1) 0.43	0.5	1.0	1.6	2.0	0.5	0.9	1.3	1.4
TORONTO, ONT.											
60402R	DON MILLS, SCIENCE CNTR	0	----	-	-	-	-	-	-	-	-
60403I	EVANS & ARNOLD	706	(1) 0.53	0.7	1.2	1.7	2.1	0.6	1.1	1.2	1.2
60409R	REDLANDS CRESCENT	0	----	-	-	-	-	-	-	-	-
60410R	LAWRENCE & KENNEDY	709	(1) 0.41	0.5	0.9	1.3	2.0	0.5	0.7	0.9	0.9
60412R	BATHURST & WILSON	705	(1) 0.69	0.9	1.8	2.2	2.4	0.8	1.4	1.6	1.7
60413R	ELMCREST ROAD	704	(1) 0.32	0.4	1.0	1.5	2.2	0.4	0.9	1.1	1.1
60414I	SHERBOURNE & WILTON ST.	660	(1) 0.59	0.7	1.2	1.5	2.1	0.7	0.9	1.1	1.2
60415R	QUEENSWAY W & HURONTARIO	0	----	-	-	-	-	-	-	-	-
60417C	26 BREADALBANE STREET	702	(1) 0.53	0.7	1.0	1.4	1.5	0.7	0.9	0.9	0.9
HAMILTON, ONT.											
60501C	BARTON & SANFORD	705	(1) 0.61	0.7	1.6	1.9	2.3	0.7	1.3	1.5	1.6
60505R	NORTH PARK	708	(1) 0.49	0.6	1.1	1.3	1.8	0.6	0.9	1.1	1.2
SUDBURY, ONT.											
60602R	ASH STREET	706	(1) 0.15	0.2	0.5	0.7	0.9	0.2	0.4	0.4	0.5
THUNDER BAY, ONT.											
60806R	435 JAMES S.	0	----	-	-	-	-	-	-	-	-
LONDON, ONT.											
60901C	KING & RECTORY	704	(1) 0.40	0.5	0.9	1.6	2.3	0.4	1.0	1.2	1.2
60902C	372 DUNDAS	0	----	-	-	-	-	-	-	-	-
SARNIA, ONT.											
61004R	FRONT ST. AT C.N. TRACKS	703	(1) 0.31	0.4	0.8	1.0	1.8	0.4	0.8	0.9	0.9
PETERBOROUGH, ONT.											
61103C	500 GEORGE STREET	0	----	-	-	-	-	-	-	-	-
CORNWALL, ONT.											
61201R	MEMORIAL PARK	686	(1) 0.33	0.4	0.9	1.5	2.0	0.4	0.8	1.1	1.1
ST. CATHARINES, ONT.											
61301C	NORTH ST. & GENEVA ST.	705	(1) 0.37	0.4	1.0	2.4	3.0	0.4	1.1	1.5	1.6
KITCHENER, ONT.											
61501C	EDNA & FREDERICK	0	----	-	-	-	-	-	-	-	-
OAKVILLE, ONT.											
61602R	BRONTE AND WOBURN CRES.	705	(1) 0.42	0.5	1.0	1.4	1.9	0.4	0.9	1.2	1.2
OSHAWA, ONT.											
61701R	RITSON RD. & OLIVE AVE.	705	(1) 0.53	0.6	1.3	1.9	2.8	0.6	0.9	1.4	1.5
GUELPH, ONT.											
61801C	FARQUHAR & WYNDHAM	0	----	-	-	-	-	-	-	-	-
WINNIPEG, MAN.											
70118R	JEFFERSON & SCOTIA	258	0.14	0.2	0.4	0.8	1.1	0.2	0.4	0.5	0.5
70119C	65 ELLEN STREET	329	0.17	0.2	0.5	0.8	1.3	0.3	0.4	0.6	0.6
70120R	604 ST. MARY'S RD.	359	0.11	0.1	0.4	0.8	1.3	0.1	0.4	0.4	0.5

(1) BASED ON 1-HOUR READINGS
DONNEES INITIALES D'UNE HEURE

----- INSUFFICIENT DATA FOR CALCULATION OF A VALID MEAN.
IL N'Y A PAS ASSEZ DE DONNEES POUR CALCULER UNE MOYENNE VALABLE.

SOILING INDEX
COH UNITS PER 1000 LINEAR FT.

NOVEMBER - NOVEMBRE
1982

INDICE DE SOUILLURE
UNITES COH PAR 1000 PIEDS LINEAIRES

STATION	LOCATION EMPLACEMENT	NUMBER OF SAMPLES NOMBRE DE DONNEES	MONTHLY MEAN MOYENNE MENSUELLE	FREQUENCY DISTRIBUTIONS				DISTRIBUTIONS DES FREQUENCES			
				INTERVALS - INTERVALLES				MEANS - MOYENNES			
				2-HOUR / HEURES				24-HOUR / HEURES			
				70	95	99	MAX	70	95	99	MAX
80209C	SASKATOON, SASK. IDYLYLD DR. & 33RD ST.	338	****	0.0	0.2	0.2	0.4	0.0	0.1	0.2	0.2
90122R	EDMONTON, ALTA. 127 ST. & 133 AVENUE	689	(1) 0.39	0.4	1.2	1.9	2.0	0.4	1.0	1.4	1.5
90130C	10255 - 104TH STREET	720	(1) 0.43	0.5	1.1	1.9	2.1	0.4	1.0	1.3	1.4
90218I	CALGARY, ALTA. BONNY BRK & 18A ST. S.E.	715	(1) 0.51	0.6	1.3	2.2	2.9	0.6	1.0	1.4	1.4
90222R	39 ST. & 29 AVE. N.W.	717	(1) 0.31	0.3	1.2	2.2	2.4	0.4	0.9	1.1	1.2
90227C	1611-4TH STREET S.W.	720	(1) 0.59	0.7	1.6	2.3	5.6	0.6	1.3	1.6	1.6
00102R	VANCOUVER, B.C. 100 RICHMOND STREET	0	----	-	-	-	-	-	-	-	-
00106R	2294 WEST 10TH AVENUE	184	0.27	0.3	0.9	1.2	1.4	0.3	0.6	0.7	0.7
00108I	250 WEST 70TH AVENUE	360	0.36	0.4	1.1	1.7	1.9	0.4	0.9	1.0	1.1
00110R	E. HASTINGS & KENSINGTON	360	0.17	0.2	0.4	0.6	0.8	0.2	0.3	0.4	0.4
00111I	ROCKY PT. PARK	279	0.29	0.4	0.8	1.2	1.4	0.4	0.6	0.7	0.7
00112C	ROBSON/HORNBY	360	0.24	0.3	0.7	0.8	2.3	0.3	0.5	0.7	0.7
00202C	PRINCE GEORGE, B.C. 1011 4TH AVENUE	331	0.21	0.3	0.6	1.0	1.5	0.2	0.5	0.6	0.6
00302C	VICTORIA, B.C. 1106 COOK ST.	360	0.45	0.5	1.3	1.8	2.0	0.6	0.8	0.9	0.9
09001C	WHITEHORSE, YUKON FEDERAL BUILDING	150	----	0.5	1.0	1.7	1.9	0.3	0.9	1.0	1.0

(1) BASED ON 1-HOUR READINGS
DONNEES INITIALES D'UNE HEURE

**** CALCULATED MEANS ARE BELOW 0.1
LES MOYENNES SONT INFERIEURES A 0.1

---- INSUFFICIENT DATA FOR CALCULATION OF A VALID MEAN.
IL N'Y A PAS ASSEZ DE DONNEES POUR CALCULER UNE MOYENNE VALABLE.

SUSPENDED PARTICULATE MATTER AND LEAD
MICROGRAMS PER CUBIC METRE

NOVEMBER - NOVEMBRE
1982

PLOMB ET PARTICULES EN SUSPENSION
MICROGRAMMES PAR METRE CUBE

STATION	LOCATION EMPLACEMENT	*--- PARTICULATES / PARTICULES ---*						*----- LEAD / PLOMB -----*					
		----- DAY / JOUR -----					MEAN MOYENNE	*----- DAY / JOUR -----*					MEAN MOYENNE
		1	7	13	19	25		1	7	13	19	25	
10101C	ST. JOHN'S, NFLD. DUCKWORTH & ORDINANCE	-	36	49	-	-	-	-	0.2	0.3	-	-	-
20101C	CHARLOTTETOWN, P.E.I. 56 FITZROY ST.	33	16	28	-	-	26	0.4	0.2	0.1	-	-	0.2
30101C	HALIFAX, N.S. N.S. TECHNICAL COLLEGE	59	39	43	32	42	43	0.4	0.1	0.0	0.1	0.1	0.1
30102R	DALHOUSIE UNIVERSITY	39	17	27	28	16	25	0.3	0.1	0.0	0.2	0.1	0.1
30114R	MT ST VINCENT UNIVERSITY	32	13	19	23	14	20	0.2	0.0	0.0	0.1	0.0	0.1
30115I	CPB SHEARWATER	47	14	-	27	14	26	0.2	0.1	-	0.1	0.0	0.1
30310C	SYDNEY, N.S. COUNTY JAIL	44	21	33	42	22	32	0.5	0.2	0.2	0.4	0.1	0.3
30311R	WHITNEY PIER FIRE STN.	124	71	46	53	73	73	0.6	0.2	0.2	0.4	0.3	0.3
30408R	GLACE BAY, N.S. SOUTH STREET	56	44	83	59	40	56	0.1	0.0	0.0	0.1	0.0	0.1
40102C	FREDERICTON, N.B. YORK STREET	92	22	19	81	39	51	1.0	0.1	0.2	1.1	0.3	0.5
40201C	SAINT JOHN, N.B. 110 CHARLOTTE STREET	100	34	68	53	50	61	0.9	0.1	0.1	0.5	0.1	0.4
40301C	MONCTON, N.B. 774 MAIN STREET	-	-	-	-	-	-	-	-	-	-	-	-
50102R	MONTREAL, QUEBEC JARDIN BOTANIQUE	41	37	35	45	59	43	0.2	0.1	0.4	0.2	0.4	0.3
50103R	POINTE-AUX-TREMBLES	67	62	36	72	55	58	-	-	-	-	-	-
50104C	1125 ONTARIO EST	75	33	65	127	60	72	0.9	0.2	0.6	0.8	0.4	0.6
50105C	1212 DRUMMOND	-	-	-	-	-	-	-	-	-	-	-	-
50106R	VILLE ST-LAURENT	-	-	-	-	-	-	-	-	-	-	-	-
50108R	1700 BOURASSA, LONGUEUIL	-	22	74	-	49	48	-	-	0.2	-	-	-
50109C	DUNCAN & DECARIE	92	127	47	54	161	96	1.5	1.1	0.8	1.2	0.9	1.1
50110C	PARC PILON, MTL.-NORD	54	25	24	88	39	46	-	-	-	-	-	-
50112C	BOUL. LAURENTIDES	48	75	33	85	47	58	0.4	0.2	0.2	0.7	0.2	0.3
50113R	PIE X & CARDINAL	-	32	18	60	31	35	-	0.1	0.1	0.4	0.1	0.2
50115C	1001 BOUL MAISONNEUVE O.	-	-	-	-	-	-	-	-	-	-	-	-
50116R	3161 JOSEPH, VERDUN	63	46	16	33	42	40	2.9	0.3	0.3	0.1	0.5	0.8
50203R	HULL, QUEBEC GAMELIN & JOFFRE	38	36	20	75	33	40	0.3	0.2	0.1	0.7	0.2	0.3
50303I	QUEBEC, QUEBEC CENTRE LOISIRS LIMOILLOU	115	31	26	62	51	57	0.6	0.2	0.2	0.3	0.6	0.4
50306R	2026 BLVD. ST-CYRILLE	53	28	11	47	28	33	0.4	0.1	-	0.3	0.3	0.3
50402R	SHERBROOKE, QUEBEC CASERNE DE POMPIERS #5	61	-	-	69	43	58	0.6	-	-	0.6	0.3	0.5
50403C	WELLINGTON & ALBERT	-	-	-	-	-	-	-	-	-	-	-	-
50502R	CHICOUTIMI, QUEBEC USINE DE FILTRATION	-	24	47	17	29	29	-	0.1	-	-	0.1	-
50503C	222 RACINE	175	-	-	-	-	-	2.3	-	-	-	-	-
50601C	ROUYN, QUEBEC HOTEL DE VILLE	-	19	39	43	-	34	-	-	0.3	0.4	-	-
50701C	SEPT-ILES, QUEBEC HOTEL DE VILLE	52	19	-	26	22	30	0.5	-	-	0.4	0.1	0.3
50801R	TROIS-RIVIERES, QUEBEC HART & STE-CECILE	104	48	37	127	68	77	0.9	0.1	0.3	0.5	0.6	0.5
50901R	ARVIDA, QUEBEC POWELL & HOOPES	28	-	14	-	-	-	-	0.1	-	-	-	-
51002R	TRACY, QUEBEC GARNEAU & RTE 132	85	27	10	118	25	53	0.5	0.1	-	0.3	0.1	0.3
51101C	THETFORD MINES, QUEBEC BOUL. STE-MARTHE	-	21	10	-	17	16	-	0.1	-	-	-	-
51201I	SHAWINIGAN, QUEBEC FRIGON & LAVAL	75	37	33	45	89	56	0.6	0.1	0.1	0.5	0.6	0.4
51301R	BAIE COMEAU, QUEBEC 39 AVE. MARGUERITE	36	28	28	25	55	34	0.2	-	0.1	-	0.1	0.1
60101C	OTTAWA, ONT. 88 SLATER ST.	55	-	20	141	-	72	0.5	-	0.1	0.6	-	0.4
60104C	RIDEAU & WURTEMBERG	-	-	-	-	-	-	-	-	-	-	-	-
60105R	NRC, MONTREAL ROAD	39	31	11	59	29	34	0.5	0.2	0.1	0.3	0.2	0.3
60201I	WINDSOR, ONT. MORTON TERMINAL DOCK	46	173	35	41	54	70	0.1	0.8	0.1	0.3	0.1	0.3
60202C	CITY HALL	36	59	26	55	58	47	0.3	0.2	0.2	0.5	0.2	0.3
60203R	TECUMSEH WATER WORKS	30	43	30	32	34	34	0.0	0.0	0.0	0.1	0.1	0.0
60204C	471 UNIVERSITY AVENUE	33	62	24	53	61	47	0.4	0.2	0.2	0.3	0.3	0.3

SUSPENDED PARTICULATE MATTER AND LEAD
MICROGRAMS PER CUBIC METRENOVEMBER - NOVEMBRE
1982PLOMB ET PARTICULES EN SUSPENSION
MICROGRAMMES PAR METRE CUBE

STATION	LOCATION EMPLACEMENT	*----- PARTICULATES / PARTICULES -----*						*----- LEAD / PLOMB -----*					
		----- DAY / JOUR -----					MEAN MOYENNE	*----- DAY / JOUR -----*					MEAN MOYENNE
		1	7	13	19	25		1	7	13	19	25	
60301R	KINGSTON, ONT. QUEEN'S UNIVERSITY	-	-	-	-	-	-	-	-	-	-	-	-
60402R	TORONTO, ONT. DON MILLS, SCIENCE CNTR	41	53	19	64	54	46	0.3	0.2	0.1	0.4	0.2	0.2
60403I	EVANS & ARNOLD	53	47	27	92	54	55	-	-	0.9	1.1	0.5	0.8
60409R	REDLANDS CRESCENT	39	55	28	53	-	44	0.1	0.0	0.2	0.2	0.2	0.1
60410R	LAWRENCE & KENNEDY	36	54	37	51	-	45	0.3	0.4	0.6	0.3	-	0.4
60412R	BATHURST & WILSON	60	60	26	107	56	62	1.3	0.9	0.2	2.7	0.6	1.1
60413R	ELMCREST ROAD	49	16	15	114	59	51	0.5	0.3	0.2	1.4	0.2	0.5
60414I	SHERBOURNE & WILTON ST.	81	61	36	110	-	72	0.7	0.5	0.2	1.0	0.6	0.6
60415R	QUEENSWAY W & HURONTARIO	-	-	-	-	-	-	0.4	0.3	0.3	0.9	0.2	0.4
60417C	26 BREADALBANE STREET	47	39	22	61	53	44	0.3	0.2	0.2	0.4	0.3	0.3
60501C	HAMILTON, ONT. BARTON & SANFORD	106	59	65	145	-	94	0.7	0.3	0.2	1.1	-	0.6
60503I	CHATHAM & FRID	74	68	20	137	-	75	0.6	0.1	0.1	1.3	-	0.5
60505R	NORTH PARK	28	159	51	70	-	77	0.2	0.7	0.7	0.6	0.8	0.6
60602R	SUDBURY, ONT. ASH STREET	34	40	43	55	117	58	0.4	0.1	0.1	0.5	0.1	0.2
60605C	19 LISGAR STREET	44	33	16	54	120	53	0.7	0.0	0.3	0.6	0.3	0.4
60705R	SAULT STE. MARIE, ONT. 550 QUEEN STREET WEST	40	-	-	45	83	56	0.3	-	-	0.2	0.0	0.2
60801C	THUNDER BAY, ONT. 14 ALGOMA STREET	84	56	32	64	68	61	-	-	-	-	-	-
60806R	435 JAMES S.	48	34	14	38	23	31	0.3	0.0	0.0	0.2	0.0	0.1
60901C	LONDON, ONT. KING & RECTORY	31	47	20	92	51	48	0.4	0.4	0.2	0.4	0.4	0.4
60902C	372 DUNDAS	28	44	25	63	43	41	0.3	0.1	0.1	0.4	0.3	0.2
61004R	SARNIA, ONT. FRONT ST. AT C.N. TRACKS	37	69	16	50	30	40	0.2	0.1	0.0	0.2	0.1	0.1
61103C	PETERBOROUGH, ONT. 500 GEORGE STREET	37	44	-	-	-	-	0.2	0.2	-	-	-	-
61201R	CORNWALL, ONT. MEMORIAL PARK	-	-	-	-	-	-	-	-	-	-	-	-
61301C	ST. CATHARINES, ONT. NORTH ST. & GENEVA ST.	55	48	16	82	-	50	0.6	0.2	0.2	0.9	0.2	0.4
61501C	KITCHENER, ONT. EDNA & FREDERICK	51	45	-	89	49	59	1.1	0.2	-	1.2	0.2	0.7
61602R	OAKVILLE, ONT. BRONTE AND WOBURN CRES.	40	60	17	63	60	48	0.2	0.2	0.2	0.7	0.4	0.3
61701R	OSHAWA, ONT. RITSON RD. & OLIVE AVE.	45	50	25	68	-	47	0.4	0.3	0.0	0.6	-	0.3
61801C	GUELPH, ONT. PARQUHAR & WYNDHAM	32	44	13	55	47	38	0.2	0.3	0.0	0.5	0.2	0.2
70102R	WINNIPEG, MAN. PORTAGE & WOODLAWN	90	38	20	25	67	48	0.4	0.4	0.1	0.2	0.5	0.3
70104I	UNION STOCK YARDS	84	39	75	41	85	65	0.5	0.1	0.2	0.1	0.3	0.2
70118R	JEFFERSON & SCOTIA	-	23	35	30	38	32	-	0.1	0.2	0.1	0.2	0.2
70119C	65 ELLEN STREET	55	25	40	49	40	42	0.7	0.2	0.3	0.5	0.2	0.4
70120R	604 ST. MARY'S RD.	59	24	28	26	46	37	0.7	0.1	0.2	0.4	0.3	0.3
70201C	BRANDON, MAN. 11TH ST. & PRINCESS AVE.	60	31	58	40	52	48	0.3	0.2	0.3	0.4	0.2	0.3
80102R	REGINA, SASK. 3211 ALBERT STREET	47	19	27	22	48	33	0.3	0.1	0.1	0.1	0.3	0.2
80108C	12TH AVE. & SMITH ST.	90	38	50	47	71	59	0.5	0.1	0.2	0.2	0.4	0.3
80109C	1620 ALBERT STREET	62	45	36	32	75	50	0.5	0.2	0.2	0.2	0.5	0.3
80203R	SASKATOON, SASK. 30TH ST. & 833 P AVE.	43	26	35	27	27	32	0.1	0.1	0.1	0.1	0.2	0.1
80209C	IDYLLWYLD DR. & 33RD ST.	63	27	-	38	34	41	0.2	0.1	-	0.2	0.2	0.2
80301C	MOOSE JAW, SASK. FAIRFORD ST. & 1ST AVE.	84	40	72	53	55	61	0.3	0.2	0.3	0.2	0.3	0.2
80401C	PRINCE ALBERT, SASK. 1257-1ST AVE. EAST	78	41	62	37	20	48	0.3	0.1	0.2	0.2	0.4	0.2
90121I	EDMONTON, ALTA. 17 STREET & 105 AVENUE	82	25	43	16	47	43	-	-	-	-	-	-
90122R	127 ST. & 133 AVENUE	36	22	49	18	73	40	-	-	-	-	-	-
90130C	10255 - 104TH STREET	81	23	81	-	49	59	-	-	-	-	-	-
90204C	CALGARY, ALTA. 316-7TH AVENUE	89	123	130	44	186	114	-	-	-	-	-	-
90218I	BONNY BRK & 18A ST. S.E.	121	102	66	68	145	100	-	-	-	-	-	-
90222R	39 ST. & 29 AVE. N.W.	23	50	40	19	86	44	-	-	-	-	-	-

SUSPENDED PARTICULATE MATTER AND LEAD
MICROGRAMS PER CUBIC METRE

NOVEMBER - NOVEMBRE
1982

PLOMB ET PARTICULES EN SUSPENSION
MICROGRAMMES PAR METRE CUBE

STATION	LOCATION EMPLACEMENT	*----- PARTICULATES / PARTICULES -----*						*----- LEAD / PLOMB -----*					
		----- DAY / JOUR -----					MEAN MOYENNE	*----- DAY / JOUR -----*					MEAN MOYENNE
		1	7	13	19	25		1	7	13	19	25	
99001C	YELLOWKNIFE, N.W.T. 50TH AVE. & 49TH STREET	-	-	-	-	-	-	-	-	-	-	-	-
	VANCOUVER, B.C.												
00102R	100 RICHMOND STREET	64	18	95	48	133	72	1.5	0.2	1.5	1.1	1.7	1.2
00104R	27TH & ONTARIO	49	36	88	50	187	82	1.3	0.7	1.8	1.5	4.3	1.9
00106R	2294 WEST 10TH AVENUE	29	18	47	32	-	32	0.7	0.4	1.0	0.6	-	0.6
00108I	250 WEST 70TH AVENUE	40	29	66	40	154	66	1.1	0.3	1.7	1.0	2.8	1.4
00109C	970 BURRARD	39	20	52	44	130	57	0.8	0.3	1.1	1.0	2.9	1.2
00110R	E. HASTINGS & KENSINGTON	26	13	31	32	72	35	0.4	0.1	0.8	0.8	1.8	0.8
00111I	ROCKY PT. PARK	45	20	54	33	79	46	0.9	0.4	1.2	0.7	1.7	1.0
00113I	ANNACIS ISLAND, DELTA	64	23	66	47	-	50	1.1	0.2	1.0	0.8	-	0.8
00114C	MUNICIPAL HALL, RICHMOND	-	-	78	49	148	92	-	-	2.3	1.2	2.8	2.1
00115R	NEWTON ELEM. SCH., SURREY	45	17	74	38	121	59	1.0	0.1	1.6	0.9	2.2	1.2
00116R	FIRE HALL, N. VANCOUVER	33	21	45	30	63	38	0.8	0.2	1.0	0.8	2.0	1.0
00117R	BCIT BURNABY	43	31	60	36	121	58	1.6	0.7	1.9	1.3	3.4	1.8
00202C	PRINCE GEORGE, B.C. 1011 4TH AVENUE	73	43	68	21	104	62	0.5	0.3	0.4	0.2	0.3	0.3
00302C	VICTORIA, B.C. 1106 COOK ST.	-	32	91	72	44	60	-	0.3	1.3	1.2	0.5	0.8
00401C	KAMLOOPS, B.C. 301 SEYMOUR ST.	68	54	97	45	133	79	1.0	0.4	1.0	0.4	0.8	0.7
09001C	WHITEHORSE, YUKON FEDERAL BUILDING	-	17	8	21	35	20	-	0.1	0.2	0.5	0.4	0.3

COMBINATION OF SULPHUR DIOXIDE AND
SUSPENDED PARTICULATES
1000*(MICROGRAMS/CU.METRE)**2

NOVEMBER - NOVEMBRE
1982

DIOXYDE DE SOUFRE ET
PARTICULES EN ASSOCIATION
1000*(MICROGRAMMES/METRE CUBE)**2

STATION	LOCATION EMPLACEMENT	*----- DAY / JOUR -----*				
		1	7	13	19	25
10101C	ST. JOHN'S, Nfld. DUCKWORTH & ORDINANCE	-	-	-	-	-
20101C	CHARLOTTETOWN, P.E.I. 56 FITZROY ST.	1	0	-	-	-
30114R	HALIFAX, N.S. MT ST VINCENT UNIVERSITY	1	0	0	0	1
30115I	CFB SHEARWATER	1	0	-	2	0
30310C	SYDNEY, N.S. COUNTY JAIL	1	1	1	1	0
30311R	WHITNEY PIER FIRE STN.	8	7	2	-	-
30408R	GLACE BAY, N.S. SOUTH STREET	2	2	-	12	8
50102R	MONTREAL, QUEBEC JARDIN BOTANIQUE	-	0	0	2	2
50103R	POINTE-AUX-TREMBLES	3	13	2	3	6
50104C	1125 ONTARIO EST	3	1	1	5	2
50106R	VILLE ST-LAURENT	-	-	-	-	-
50108R	1700 BOURASSA, LONGUEUIL	-	-	-	-	1
50109C	DUNCAN & DECARIE	-	1	0	3	4
50110C	PARC PILON, MTL.-NORD	-	0	0	3	-
50112C	BOUL. LAURENTIDES	1	0	0	3	0
50113R	PIE X & CARDINAL	-	0	0	2	1
50115C	1001 BOUL MAISONNEUVE O.	-	-	-	-	-
50116R	3161 JOSEPH, VERDUN	1	0	0	1	1
50203R	HULL, QUEBEC GAMELIN & JOFFRE	0	1	0	2	-
50303I	QUEBEC, QUEBEC CENTRE LOISIRS LIMCLOU	5	0	0	5	1
50306R	2026 BLVD. ST-CYRILLE	2	0	0	2	1
50601C	ROUYN, QUEBEC HOTEL DE VILLE	-	0	0	1	-
50701C	SEPT-ILES, QUEBEC HOTEL DE VILLE	1	0	-	0	0
50801R	TROIS-RIVIERES, QUEBEC HART & STE-CECILE	2	0	1	9	2
50901R	ARVIDA, QUEBEC POWELL & HOOPES	1	-	0	-	-
51201I	SHAWINIGAN, QUEBEC FRIGON & LAVAL	-	-	-	1	2
51301R	BAIE COMEAU, QUEBEC 39 AVE. MARGUETTE	4	0	1	0	2
60101C	OTTAWA, ONT. 88 SLATER ST.	1	-	0	-	-
60104C	RIDEAU & WURTEMBERG	-	-	-	-	-
60105R	NRC, MONTREAL ROAD	1	0	0	2	1
60201I	WINDSOR, ONT. MORTON TERMINAL DOCK	0	5	0	0	0
60204C	471 UNIVERSITY AVENUE	-	2	0	2	3
60402R	TORONTO, ONT. DON MILLS, SCIENCE CNTR	1	2	0	2	1
60403I	EVANS & ARNOLD	0	0	0	3	0
60409R	REDLANDS CRESCENT	0	0	0	0	-
60410R	LAWRENCE & KENNEDY	0	1	0	0	-
60412R	BATHURST & WILSON	-	2	-	3	0
60413R	ELMCREST ROAD	0	1	0	5	0
60414I	SHERBOURNE & WILTON ST.	0	0	0	2	-
60415R	QUEENSWAY W & HURONTARIO	-	-	-	-	-
60417C	26 BREADALBANE STREET	0	1	0	1	0
60501C	HAMILTON, ONT. BARTON & SANFORD	6	2	1	13	-
60505R	NORTH PARK	0	14	-	1	-
60602R	SUDBURY, ONT. ASH STREET	0	1	1	1	3
60806R	THUNDER BAY, ONT. 435 JAMES S.	0	0	0	0	0
60901C	LONDON, ONT. KING & RECTORY	0	1	0	2	1

COMBINATION OF SULPHUR DIOXIDE AND
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NOVEMBER - NOVEMBRE
1982

DIOXYDE DE SOUFRE ET
PARTICULES EN ASSOCIATION
1000*(MICROGRAMMES/METRE CUBE)**2

STATION	LOCATION EMPLACEMENT	*----- DAY / JOUR -----*				
		1	7	13	19	25
61004R	SARNIA, ONT. FRONT ST. AT C.N. TRACKS	1	18	0	2	0
61103C	PETERBOROUGH, ONT. 500 GEORGE STREET	0	-	-	-	-
61201R	CORNWALL, ONT. MEMORIAL PARK	-	-	-	-	-
61301C	ST. CATHARINES, ONT. NORTH ST. & GENEVA ST.	1	0	0	3	-
61501C	KITCHENER, ONT. EDNA & FREDERICK	-	0	-	4	0
61602R	OAKVILLE, ONT. BRONTE AND WOBURN CRES.	0	7	0	1	3
61701R	OSHAWA, ONT. RITSON RD. & OLIVE AVE.	0	1	0	1	-
61801C	GUELPH, ONT. FARQUHAR & WYNDHAM	0	0	0	2	0
70118R	WINNIPEG, MAN. JEFFERSON & SCOTIA	-	0	0	0	0
70119C	65 ELLEN STREET	0	0	0	0	-
70120R	604 ST. MARY'S RD.	0	0	0	-	0
80109C	REGINA, SASK. 1620 ALBERT STREET	-	-	-	-	-
80209C	SASKATOON, SASK. IDYLWYLD DR. & 33RD ST.	0	0	-	-	-
80301C	MOOSE JAW, SASK. FAIRFORD ST. & 1ST AVE.	-	-	-	-	-
80401C	PRINCE ALBERT, SASK. 1257-1ST AVE. EAST	-	-	-	-	0
90121I	EDMONTON, ALTA. 17 STREET & 105 AVENUE	0	0	0	0	0
90218I	CALGARY, ALTA. BONNY BRK & 18A ST. S.E.	0	2	2	-	5
00106R	VANCOUVER, B.C. 2294 WEST 10TH AVENUE	0	0	1	1	-
00110R	E. HASTINGS & KENSINGTON	-	-	-	1	4
00111I	ROCKY PT. PARK	-	0	1	0	-
00302C	VICTORIA, B.C. 1106 COOK ST.	-	-	-	-	-
00401C	KAMLOOPS, B.C. 301 SEYMOUR ST.	0	0	0	0	0

DUSTFALL
GRAMS PER SQUARE METRE PER 30 DAYS
SULPHATION RATES
MILLIGRAMS PER 100 CM2 PER DAY

NOVEMBER - NOVEMBRE
1982

RETOMBEES DE POUSSIÈRES
GRAMMES PAR METRE CARRE PAR 30 JOURS
INDICES DE FORMATION DE SULFATE
MILLIGRAMMES PAR 100 CM2 PAR JOUR

STATION	LOCATION EMPLACEMENT	DUSTFALL RETOMBEES DE POUSSIÈRES	SO3
SYDNEY, N.S.			
30301R	MURPHY ROAD	1.5	0.1 **
30309I	PT EDWARD, RICHMOND PLST	4.3	0.0 **
30310C	COUNTY JAIL	4.6	0.0 **
30311R	WHITNEY PIER FIRE STN.	1.7	0.1 **
GLACE BAY, N.S.			
30401R	LAKE ROAD	6.4	0.0 **
30405C	GENERAL HOSPITAL	3.0	1.1 **
MONTREAL, QUEBEC			
50101R	PARC JARRY	2.0	-
50102R	JARDIN BOTANIQUE	2.0	- *
50103R	POINTE-AUX-TREMBLES	3.0	-
50106R	VILLE ST-LAURENT	-	-
50107R	VILLE LASALLE	-	-
TORONTO, ONT.			
60403I	EVANS & ARNOLD	5.2	-
60404R	5126 YONGE STREET	-	-
60405I	JOHN STREET PUMP STATION	6.4	-
60406R	ROSEHILL RESERVOIR	-	-
60408C	DANFORTH & ROBINSON	-	-
HAMILTON, ONT.			
60501C	BARTON & SANFORD	6.4	-
60502I	BURLINGTON & GAGE	9.3	-
60503I	CHATHAM & FRID	7.8	-
60507C	HUGHSON & HUNTER	6.4	-
60510I	STRATHEARN	23.4	-
SAULT STE. MARIE, ONT.			
60702R	ANNA MCREA PUBLIC SCHOOL	1.1	-
60703I	BAYVIEW & YOUNG	3.6	-
THUNDER BAY, ONT.			
60801C	14 ALGOMA STREET	3.0	-
LONDON, ONT.			
60901C	KING & RECTORY	1.5	-
WINNIPEG, MAN.			
70105R	MARTIN & HENDERSON HWY	8.8	0.2 **
70110C	KENNEDY & ST. MARY'S	6.1	-
70113I	WINDERMERE & ROCKMAN	4.5	0.0 **
70115C	PORTAGE & MINTO	12.5	0.1 **
70116I	SMITH & KING	10.2	0.1 **
EDMONTON, ALTA.			
90125C	PRINS ELIZABETH & 103 ST	3.9	0.3 **
90126R	77 AVENUE & 85 STREET	4.0	0.2 **
90127I	115 AVENUE & 159 STREET	11.6	0.3 **
90128R	99 AVENUE & 160 STREET	2.7	- **
CALGARY, ALTA.			
90219C	620-7TH AVENUE, S.W.	4.5	0.3 **
90221R	DALHOUSIE DR & DALHAM DR	1.1	0.2 **
90223C	11 ST. & 38 AVE. S.E.	7.7	0.2 **
90224I	OGDENDALE & 71 AVE S.E.	1.1	0.3 **
90225R	PALLISER DR & OAKWOOD SW	-	- **
90226I	SHEPPARD & 84 AVE S.E.	3.7	0.2 **

Environment Canada - Environnement Canada

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CANADA. AIR POLLUTION CONTROL DIRECTORATE

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* INDICATES LEAD PEROXIDE CANDLE
DENOTE LA CHANDELLE DE PEROXYDE DE PLOMB

** INDICATES LEAD PEROXIDE PLATE
DENOTE LA PLAQUE DE PEROXYDE DE PLOMB