



Environment
Canada
Environmental
Protection
Service

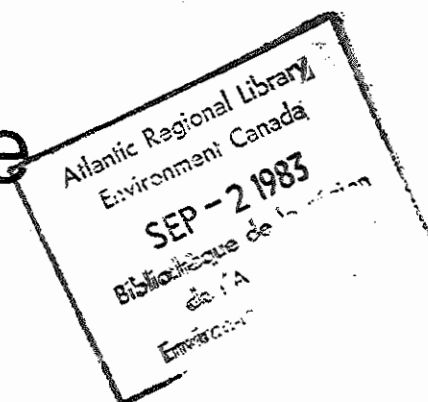
Environnement
Canada
Service de la
protection de
l'environnement

Monthly Summary December 1982

ENVIRONMENT CANADA LIBRARY
15th Floor, Queen Square
45 Alderney Drive
Dartmouth, N.S. B2Y 2R6
CANADA

National Air Pollution Surveillance

Surveillance nationale de la pollution atmosphérique



Extrait mensuel décembre 1982

Dartmouth Env. Can. Lib./Bib.



39 021 704

TD
890
C325
no.
82-12

urveillance Report
PS 5-AP-82-12

nvironmental Protection
rograms Directorate

Rapport de surveillance
EPS 5-AP-82-12

Direction générale des
programmes de la protection
de l'environnement

Canada

SULPHUR DIOXIDE
PARTS PER HUNDRED MILLIONDECEMBER - DECEMBRE
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
10101C	ST. JOHN'S, Nfld. DUCKWORTH & ORDINANCE	288	---	1	3	4	4	1	2	2	2
20101C	CHARLOTTETOWN, P.E.I. 56 FITZROY ST.	468	***	1	4	5	7	1	3	3	4
30114R	HALIFAX, N.S. MT ST VINCENT UNIVERSITY	493	1.4	2	3	5	7	2	3	4	4
30115I	CFB SHEARWATER	554	***	1	3	4	5	1	2	2	3
30116C	BARRINGTON & DUKE	620	2.0	2	4	5	7	2	4	4	4
30310C	SYDNEY, N.S. COUNTY JAIL	637	***	1	2	4	4	1	2	3	3
30311R	WHITNEY PIER FIRE STN.	645	1.9	2	4	6	7	2	4	4	4
30408R	GLACE BAY, N.S. SOUTH STREET	36	---	1	2	3	3	1	1	1	1
40202C	SAINT JOHN, N.B. POST OFFICE	709	1.2	1	4	8	14	1	4	6	6
50101R	MONTREAL, QUEBEC 7405 CHAMPAGNEUR	236	---	1	3	5	6	2	3	3	3
50102R	JARDIN BOTANIQUE	612	1.7	2	5	8	9	2	4	7	7
50103R	POINTE-AUX-TREMBLES	739	1.7	2	8	12	16	2	5	7	8
50104C	1125 ONTARIO EST	724	1.5	2	4	7	12	2	4	5	5
50106R	VILLE ST-LAURENT	539	1.6	2	5	6	8	2	3	4	4
50108R	1700 BOURASSA, LONGUEUIL	587	1.0	1	2	4	5	1	2	3	3
50109C	DUNCAN & DECARIE	542	1.9	2	5	6	9	2	4	6	6
50110C	PARC PILON, MTL.-NORD	734	***	1	2	4	6	1	2	2	2
50112C	BOUL. LAURENTIDES	616	***	1	3	5	9	1	2	4	4
50113R	PIE X & CARDINAL	657	1.2	1	3	4	7	1	2	3	3
50115C	1001 BOUL MAISONNEUVE O.	707	2.4	2	7	10	13	3	6	7	8
50116R	3161 JOSEPH, VERDUN	738	1.3	1	4	8	10	1	4	5	6
50203R	HULL, QUEBEC GAMBLIN & JOFFRE	610	1.1	1	3	4	7	1	2	4	4
50303I	QUEBEC, QUEBEC CENTRE LOISIRS LIMOILLOU	611	2.9	4	9	12	19	4	7	9	9
50304C	325 DORCHESTER SUD	643	3.9	3	16	36	75	4	15	18	19
50306R	2026 BLVD. ST-CYRILLE	454	2.2	2	7	12	16	3	5	6	6
50601C	ROUYN, QUEBEC HOTEL DE VILLE	703	***	1	2	9	31	1	2	7	7
50701C	SEPT-ILES, QUEBEC HOTEL DE VILLE	415	***	0	1	2	2	0	1	1	1
50801R	TROIS-RIVIERES, QUEBEC HART & STE-CECILE	280	---	1	3	3	4	1	2	2	2
50901R	ARVIDA, QUEBEC POWELL & HOOPES	636	2.5	3	10	11	12	4	8	9	10
51001R	TRACY, QUEBEC 3225 AVE COURSHESNE	501	1.1	1	3	9	15	1	3	4	5
51201I	SHAWINIGAN, QUEBEC FRIGON & LAVAL	657	***	1	2	4	12	1	2	3	3
51301R	BAIE COMEAU, QUEBEC 39 AVE. MARGUETTE	538	1.8	1	5	29	87	1	12	22	23
60101C	OTTAWA, ONT. 88 SLATER ST.	571	***	1	2	3	4	1	2	2	2
60104C	RIDEAU & WURTEMBERG	637	***	1	2	2	4	1	1	2	2
60105R	NRC, MONTREAL ROAD	619	***	1	2	2	3	1	1	1	1
60201I	WINDSOR, ONT. MORTON TERMINAL DOCK	741	***	1	3	5	8	1	3	4	4
60204C	471 UNIVERSITY AVENUE	715	***	1	4	7	9	1	2	4	5
60211R	COLLEGE & PRINCE	700	1.0	1	3	5	8	1	2	3	3
60402R	TORONTO, ONT. DON MILLS, SCIENCE CNTR	683	1.3	1	3	5	11	1	3	4	4
60403I	EVANS & ARNOLD	666	***	1	2	3	9	1	2	2	2
60409R	REDLANDS CRESCENT	687	***	1	2	3	5	1	2	2	2
60410R	LAWRENCE & KENNEDY	678	***	1	2	3	4	1	2	2	2
60412R	BATHURST & WILSON	618	***	1	3	4	8	1	3	4	4
60413R	ELMCREST ROAD	662	***	1	3	4	5	1	3	3	4
60414I	SHERBOURNE & WILTON ST.	683	***	0	1	2	4	0	1	1	1
60415R	QUEENSWAY W & HURONTARIO	743	2.0	2	6	8	15	2	6	7	7
60417C	26 BREADALBANE STREET	680	***	1	2	4	9	1	2	4	4

*** CALCULATED MEANS ARE BELOW 10 PARTS PER BILLION.
LES MOYENNES SONT INFERIEURES A 10 PARTIES PAR BILLION.

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

SULPHUR DIOXIDE
PARTS PER HUNDRED MILLIONDECEMBER - DECEMBRE
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			
				INTERVALE - INTERVALLES		1-HOUR / HEURE		24-HOUR / HEURES			
				70	95	99	MAX	70	95	99	MAX
60501C	HAMILTON, ONT. BARTON & SANFORD	731	***	1	3	3	10	1	2	3	3
60505R	NORTH PARK	685	***	1	4	7	8	1	3	3	3
60602R	SUDBURY, ONT. ASH STREET	671	***	0	1	2	4	0	1	1	1
60606C	KENNEDY STREET	673	***	0	1	1	2	0	1	1	1
60704C	SAULT STE. MARIE, ONT. QUEEN & ELGIN	735	***	0	1	2	4	1	1	1	1
60806R	THUNDER BAY, ONT. 435 JAMES S.	722	***	0	0	1	2	0	0	0	1
60901C	LONDON, ONT. KING & RECTORY	728	***	1	2	4	7	1	2	2	2
61004R	SARNIA, ONT. FRONT ST. AT C.N. TRACKS	732	1.6	1	7	11	13	2	6	7	8
61103C	PETERSBOROUGH, ONT. 500 GEORGE STREET	0	---	-	-	-	-	-	-	-	-
61201R	CORNWALL, ONT. MEMORIAL PARK	733	1.2	1	6	11	14	1	3	7	8
61301C	ST. CATHARINES, ONT. NORTH ST. & GENEVA ST.	725	***	1	2	3	4	1	1	2	2
61501C	KITCHENER, ONT. EDNA & FREDERICK	739	***	1	1	2	3	1	1	1	1
61602R	OAKVILLE, ONT. BRONTE AND WOBURN CRES.	631	***	1	4	8	11	1	3	4	4
61701R	OSHAWA, ONT. RITSON RD. & OLIVE AVE.	636	***	1	2	3	4	1	2	2	2
61801C	GUELPH, ONT. FARQUHAR & WYNDHAM	743	***	0	1	2	4	0	1	1	1
70118R	WINNIPEG, MAN. JEFFERSON & SCOTIA	705	***	0	0	1	4	0	0	0	0
70119C	65 ELLEN STREET	215	---	0	0	2	3	0	0	0	0
70120R	604 ST. MARY'S RD.	704	***	0	2	3	3	0	1	1	1
80109C	REGINA, SASK. 1620 ALBERT STREET	0	---	-	-	-	-	-	-	-	-
80209C	SASKATOON, SASK. IDYLWYLD DR. & 33RD ST.	580	***	0	0	0	0	0	0	0	0
80301C	MOOSE JAW, SASK. FAIRFORD ST. & 1ST AVE.	695	***	0	0	0	1	0	0	0	0
80401C	PRINCE ALBERT, SASK. 1257-1ST AVE. EAST	684	***	0	0	0	0	0	0	0	0
90121I	EDMONTON, ALTA. 17 STREET & 105 AVENUE	693	***	0	1	1	4	0	0	1	1
90218I	CALGARY, ALTA. BONNY BRK & 18A ST. S.E.	704	***	1	2	2	3	1	1	1	1
00106R	VANCOUVER, B.C. 2294 WEST 10TH AVENUE	723	***	1	2	2	3	1	2	2	2
00110R	E. HASTINGS & KENSINGTON	706	***	1	2	3	3	1	2	2	2
00111I	ROCKY PT. PARK	674	***	0	1	2	3	0	1	1	1
00112C	ROBSON/HORNEY	733	***	1	2	3	4	1	2	2	2
00302C	VICTORIA, B.C. 1106 COOK ST.	0	---	-	-	-	-	-	-	-	-
00401C	KAMLOOPS, B.C. 301 SEYMOUR ST.	646	***	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 MILLION		DECEMBER - DECEMBRE 1982		MONOXYDE 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				MEANS - MOYENNES				MEANS - MOYENNES			
				INTERVALS - INTERVALLES				8-HOUR / HEURES				24-HOUR / HEURES			
				70	95	99	MAX	70	95	99	MAX	70	95	99	MAX
10101C	ST. JOHN'S, NFLD. DUCKWORTH & ORDINANCE	0	---	-	-	-	-	-	-	-	-	-	-	-	-
30116C	HALIFAX, N.S. BARRINGTON & DUKE	744	2.0	2	6	9	10	2	5	7	9	2	4	5	5
40202C	SAINT JOHN, N.B. POST OFFICE	744	1.6	1	4	9	17	2	4	7	8	2	4	4	5
50102R	MONTREAL, QUEBEC JARDIN BOTANIQUE	732	1.2	1	4	7	10	1	4	6	7	1	4	5	5
50103R	POINTE-AUX-TREMELES	716	1.0	1	3	4	5	1	2	4	4	1	2	3	3
50104C	1125 ONTARIO EST	738	2.5	3	6	9	11	3	5	8	9	3	5	7	7
50108R	1700 BOURASSA, LONGUEUIL	707	1.5	1	4	7	11	2	4	6	8	2	3	5	5
50109C	DUNCAN & DECARIE	715	2.4	3	6	10	12	3	6	7	9	3	5	6	6
50110C	PARC PILON, MTL.-NORD	0	---	-	-	-	-	-	-	-	-	-	-	-	-
50112C	BOUL. LAURENTIDES	478	1.3	1	4	5	7	1	3	5	5	1	3	3	4
50113R	PIE X & CARDINAL	709	1.2	1	3	4	7	1	3	4	5	1	2	3	3
50115C	1001 BOUL MAISONNEUVE O.	730	3.1	4	7	9	12	4	6	7	11	3	5	7	7
50116R	3161 JOSEPH, VERDUN	648	1.0	1	3	6	8	1	3	5	7	1	3	4	4
50203R	HULL, QUEBEC GAMBLIN & JOFFRE	740	1.0	1	3	4	5	1	3	3	4	1	2	2	3
50304C	QUEBEC, QUEBEC 325 DORCHESTER SUD	641	1.4	1	4	7	12	2	4	6	7	2	3	3	4
60101C	OTTAWA, ONT. 88 SLATER ST.	683	2.5	3	7	11	17	3	6	9	10	3	5	6	6
60104C	RIDEAU & WURTEMBERG	684	***	0	2	3	3	1	1	2	2	1	1	2	2
60204C	WINDSOR, ONT. 471 UNIVERSITY AVENUE	697	1.0	1	2	4	9	1	2	4	5	1	2	3	3
60402R	TORONTO, ONT. DON MILLS, SCIENCE CNTR	739	2.5	3	5	10	11	3	5	8	10	3	5	7	8
60403I	EVANS & ARNOLD	627	2.4	3	5	8	10	3	6	7	7	4	5	6	6
60410R	LAWRENCE & KENNEDY	716	1.3	1	4	6	14	1	3	7	8	2	2	5	5
60412R	BATHURST & WILSON	678	2.1	2	5	10	13	2	5	9	11	2	5	7	8
60413R	ELMCREST ROAD	669	1.1	1	3	6	10	1	3	6	7	1	3	5	5
60414I	SHERBOURNE & WILTON ST.	672	1.6	2	4	6	9	2	4	5	5	2	3	4	4
60415R	QUEENSWAY W & HURONTARIO	742	1.6	2	4	8	14	2	4	6	8	2	4	5	5
60416C	381 YONGE STREET	741	4.1	4	11	16	26	4	10	13	14	5	8	10	10
60417C	26 BREADALBANE STREET	678	1.1	1	3	5	8	1	3	5	6	1	3	4	4
60501C	HAMILTON, ONT. BARTON & SANFORD	401	1.0	1	3	5	6	2	3	4	4	1	2	3	3
60602R	SUDEBURY, ONT. ASH STREET	727	***	0	1	3	6	0	1	3	3	0	1	2	2
60901C	LONDON, ONT. KING & RECTORY	727	***	1	2	3	5	1	1	2	3	1	1	1	1
61004R	SARNIA, ONT. FRONT ST. AT C.N. TRACKS	704	***	0	1	1	4	0	1	1	1	0	0	0	1
61201R	CORNWALL, ONT. MEMORIAL PARK	732	1.1	2	3	5	6	2	4	4	4	2	3	4	4
61301C	ST. CATHARINES, ONT. NORTH ST. & GENEVA ST.	665	0.5	1	2	4	6	1	2	3	4	1	2	2	2
61501C	KITCHENER, ONT. EDNA & FREDERICK	665	1.2	1	3	6	11	1	3	5	6	1	2	3	3
61602R	OAKVILLE, ONT. BRONTE AND WOBURN CRES.	681	0.9	1	4	7	8	1	3	5	7	1	2	3	3
61701R	OSHAWA, ONT. RITSON RD. & OLIVE AVE.	634	1.8	2	5	8	15	2	5	7	9	2	4	6	6
70118R	WINNIPEG, MAN. JEFFERSON & SCOTIA	704	0.7	1	2	5	8	1	2	4	5	1	2	3	3
70119C	65 ELLEN STREET	339	---	1	3	4	8	1	3	4	4	1	3	3	3
70120R	604 ST. MARY'S RD.	710	0.8	1	2	9	13	1	1	7	10	1	3	4	5
80109C	REGINA, SASK. 1620 ALBERT STREET	736	0.6	1	3	4	5	1	2	4	4	1	2	3	3
80209C	SASKATOON, SASK. IDYLLWYLD DR. & 33RD ST.	286	---	1	2	3	3	1	2	2	2	1	1	2	2

*** CALCULATED MEANS ARE BELOW 500 PARTS PER BILLION.
LES MOYENNES SONT INFÉRIEURES À 500 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 MILLIONDECEMBER - DECEMBRE
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	713	1.3	1	4	7	10	1	4	5	7	1	3	4	5
90122R	127 ST. & 133 AVENUE	716	1.9	2	7	10	18	2	6	9	10	3	5	6	6
90130C	10255 - 104TH STREET	724	2.9	3	8	16	24	4	8	14	19	3	6	11	11
CALGARY, ALTA.															
90222R	39 ST. & 29 AVE. N.W.	703	1.5	2	6	9	17	2	5	6	8	2	4	5	5
90227C	1611-4TH STREET S.W.	722	2.7	3	8	13	26	4	7	10	13	3	6	6	7
VANCOUVER, B.C.															
00106R	2294 WEST 10TH AVENUE	730	2.6	3	9	13	17	3	7	10	13	3	7	8	9
00108I	250 WEST 70TH AVENUE	731	2.9	3	9	12	16	4	8	10	12	4	7	8	8
00110R	E. HASTINGS & KENSINGTON	722	1.8	2	5	7	9	2	4	6	6	2	4	5	5
00111I	ROCKY PT. PARK	689	1.9	2	6	10	12	2	5	9	9	2	6	7	7
00112C	ROBSON/HORNEY	728	2.8	3	7	9	14	4	6	8	10	3	6	8	8
VICTORIA, B.C.															
00302C	1106 COOK ST.	490	1.9	3	5	9	13	2	4	6	8	2	4	4	5

NITROGEN DIOXIDE
PARTS PER HUNDRED MILLIONDECEMBER - DECEMBRE
1982DIOXYDE 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
30115I	HALIFAX, N.S.	596	***	1	2	3	4	1	2	2	2
30116C	CPB SHEARWATER BARRINGTON & DUKE	539	***	1	2	2	3	1	2	2	2
40202C	SAINT JOHN, N.B. POST OFFICE	179	---	0	1	2	2	0	0	0	0
50102R	MONTREAL, QUEBEC	0	---	-	-	-	-	-	-	-	-
50104C	JARDIN BOTANIQUE	737	2.5	3	3	4	7	3	3	3	4
50108R	1125 ONTARIO EST	685	1.6	2	2	3	4	2	2	3	3
50109C	1700 BOURASSA, LONGUEUIL	0	---	-	-	-	-	-	-	-	-
50110C	DUNCAN & DECARIE	0	---	-	-	-	-	-	-	-	-
50112C	PARC PILON, MTL.-NORD	641	2.5	3	4	5	6	3	3	3	4
50113R	BOUL. LAURENTIDES	703	1.9	2	3	3	4	2	3	3	3
50115C	PIE X & CARDINAL	680	3.5	4	5	6	9	4	5	5	5
50116R	1001 BOUL MAISONNEUVE O. 3161 JOSEPH, VERDUN	696	***	1	1	2	2	1	1	2	2
50203R	HULL, QUEBEC GAMELIN & JOFFRE	568	1.6	2	3	3	4	2	3	3	3
50304C	QUEBEC, QUEBEC 325 DORCHESTER SUD	706	2.6	3	4	5	5	3	4	4	4
60101C	OTTAWA, ONT. 88 SLATER ST.	646	2.4	3	4	5	6	3	3	4	4
60104C	RIDEAU & WURTEMBERG	721	1.6	2	3	5	9	2	3	3	3
60105R	NRC, MONTREAL ROAD	716	1.2	2	2	3	3	1	2	2	2
60204C	WINDSOR, ONT. 471 UNIVERSITY AVENUE	732	2.1	2	3	3	5	2	3	3	3
60402R	TORONTO, ONT. DON MILLS, SCIENCE CNTR	739	2.2	3	4	5	8	3	4	4	4
60403I	EVANS & ARNOLD	662	2.5	3	4	7	9	3	4	5	5
60410R	LAWRENCE & KENNEDY	684	2.2	3	4	6	8	2	4	5	5
60412R	BATHURST & WILSON	610	3.2	4	7	12	17	4	7	10	10
60413R	ELMCREST ROAD	670	2.1	3	4	7	8	2	4	5	5
60414I	SHERBOURNE & WILTON ST.	684	2.3	3	4	4	5	2	4	4	4
60415R	QUEENSWAY W & HURONTARIO	742	2.5	3	4	6	8	3	4	5	5
60417C	26 BREADALBANE STREET	676	2.5	3	4	7	8	3	4	6	6
60501C	HAMILTON, ONT. BARTON & SANFORD	686	2.2	3	4	6	7	3	4	5	5
60505R	NORTH PARK	685	1.9	2	3	4	5	2	3	3	3
60602R	SUDEBURY, ONT. ASH STREET	590	***	1	2	3	4	1	1	2	2
60901C	LONDON, ONT. KING & RECTORY	728	2.1	3	4	4	5	2	3	4	4
61004R	SARNIA, ONT. FRONT ST. AT C.N. TRACKS	729	2.1	3	4	5	5	3	4	4	4
61201R	CORNWALL, ONT. MEMORIAL PARK	732	***	1	2	3	7	1	2	2	2
61301C	ST. CATHARINES, ONT. NORTH ST. & GENEVA ST.	664	1.4	2	3	3	4	2	2	3	3
61501C	KITCHENER, ONT. EDNA & FREDERICK	742	2.4	3	4	4	5	3	3	4	4
61602R	OAKVILLE, ONT. BRONTE AND WOBURN CRES.	682	1.5	2	3	4	4	2	2	3	3
61701R	OSHAWA, ONT. RITSON RD. & OLIVE AVE.	600	1.3	2	3	3	5	2	3	3	3
70118R	WINNIPEG, MAN. JEFFERSON & SCOTIA	326	---	1	1	1	1	1	1	1	1
70119C	65 ELLEN STREET	391	***	1	2	3	3	1	2	2	2
80109C	REGINA, SASK. 1620 ALBERT STREET	535	1.3	2	3	5	6	2	2	3	3
90122R	EDMONTON, ALTA. 127 ST. & 133 AVENUE	717	3.0	4	6	7	13	4	5	6	6
90130C	10255 - 104TH STREET	584	3.7	4	5	12	16	4	5	7	7
90222R	CALGARY, ALTA. 39 ST. & 29 AVE. N.W.	695	1.8	2	4	6	9	2	3	4	4
90227C	1611-4TH STREET S.W.	715	5.5	6	10	15	20	7	9	11	11

*** 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

DECEMBER - DECEMBRE
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	465	3.4	4	6	9	12	4	5	6	6
00108I	250 WEST 70TH AVENUE	678	3.1	3	6	7	12	3	5	6	6
00110R	E. HASTINGS & KENSINGTON	553	2.7	3	6	10	13	3	6	7	7
00111I	ROCKY PT. PARK	128	---	2	3	3	4	2	2	2	2
00112C	ROBSON/HORNBY	728	2.6	3	4	7	10	3	4	4	5
	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 MILLIONDECEMBER - DECEMBRE
1982OZONE
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			
				1-HOUR / HEURE							
				70	95	99	MAX	70	95	99	MAX
30115I	HALIFAX, N.S.	0	---	-	-	-	-	-	-	-	-
30116C	CPB SHEARWATER BARRINGTON & DUKE	723	1.1	2	3	3	4	2	3	3	3
40202C	SAINT JOHN, N.B. POST OFFICE	744	2.5	3	4	5	5	3	4	4	4
50102R	MONTREAL, QUEBEC										
50103R	JARDIN BOTANIQUE	738	***	0	1	1	1	0	0	0	0
50104C	POINTE-AUX-TREMBLES	715	0.7	1	2	2	3	1	2	2	2
50104C	1125 ONTARIO EST	739	0.7	1	2	2	3	1	1	2	2
50108R	1700 BOURASSA, LONGUEUIL	648	0.9	1	2	3	3	1	2	2	2
50109C	DUNCAN & DECARIE	0	---	-	-	-	-	-	-	-	-
50110C	PARC PILON, MTL.-NORD	692	***	1	2	2	3	1	1	1	1
50112C	BOUL. LAURENTIDES	645	0.9	2	3	3	3	1	2	2	2
50113R	PIE X & CARDINAL	645	1.3	2	3	4	5	2	2	3	3
50115C	1001 BOUL MAISONNEUVE O.	600	***	0	0	0	0	0	0	0	0
50116R	3161 JOSEPH, VERDUN	717	0.6	1	2	2	3	1	1	2	2
50304C	QUEBEC, QUEBEC										
50306R	325 DORCHESTER SUD 2026 BLVD. ST-CYRILLE	643 696	0.8 1.7	1 2	3 4	3 5	3 6	1 2	2 3	3 5	3 5
60101C	OTTAWA, ONT.										
60104C	88 SLATER ST.	657	***	0	1	1	2	0	1	1	1
60105R	RIDEAU & WURTEMBERG	670	0.8	1	2	2	3	1	2	2	2
60105R	NRC, MONTREAL ROAD	738	0.7	1	2	3	3	1	2	2	2
60204C	WINDSOR, ONT.										
60204C	471 UNIVERSITY AVENUE	713	0.7	1	2	2	3	1	1	2	2
60402R	TORONTO, ONT.										
60402R	DON MILLS, SCIENCE CNTR	635	0.8	1	2	3	3	1	2	2	2
60403I	EVANS & ARNOLD	661	***	1	1	2	2	1	1	1	1
60410R	LAWRENCE & KENNEDY	681	0.6	1	2	2	3	1	1	1	2
60413R	ELMCREST ROAD	612	0.5	1	2	2	2	1	1	2	2
60414I	SHERBOURNE & WILTON ST.	614	***	1	2	2	3	1	1	1	1
60415R	QUEENSWAY W & HURONTARIO	741	0.7	1	2	2	2	1	2	2	2
60417C	26 BREADALBANE STREET	677	0.5	1	2	2	2	1	1	2	2
60501C	HAMILTON, ONT.										
60501C	BARTON & SANFORD	683	0.6	1	2	3	3	1	2	2	2
60602R	SUDBURY, ONT.										
60602R	ASH STREET	680	0.8	1	2	2	2	1	1	2	2
60806R	THUNDER BAY, ONT.										
60806R	435 JAMES S.	740	0.9	1	2	3	3	1	2	2	2
60901C	LONDON, ONT.										
60901C	KING & RECTORY	727	0.9	1	2	3	3	1	2	2	2
61004R	SARNIA, ONT.										
61004R	FRONT ST. AT C.N. TRACKS	731	0.9	1	3	3	3	1	2	2	2
61201R	CORNWALL, ONT.										
61201R	MEMORIAL PARK	731	1.2	2	3	3	4	2	2	2	2
61301C	ST. CATHARINES, ONT.										
61301C	NORTH ST. & GENEVA ST.	630	0.9	1	2	3	6	1	2	2	2
61501C	KITCHENER, ONT.										
61501C	EDNA & FREDERICK	735	0.7	1	2	2	3	1	2	2	2
61602R	OAKVILLE, ONT.										
61602R	BRONTE AND WOBURN CRES.	694	0.7	1	2	2	2	1	2	2	2
61701R	OSHAWA, ONT.										
61701R	RITSON RD. & OLIVE AVE.	628	0.9	1	2	3	3	1	2	2	2
70118R	WINNIPEG, MAN.										
70118R	JEFFERSON & SCOTIA	699	1.5	2	3	3	3	2	3	3	3
70119C	65 ELLEN STREET	706	0.7	1	2	3	3	1	2	2	2
80109C	REGINA, SASK.										
80109C	1620 ALBERT STREET	737	1.2	2	3	3	3	2	2	2	3
90122R	EDMONTON, ALTA.										
90122R	127 ST. & 133 AVENUE	708	0.8	1	3	4	4	1	2	3	3
90130C	10255 - 104TH STREET	713	0.6	1	2	3	3	1	1	2	2
90222R	CALGARY, ALTA.										
90222R	39 ST. & 29 AVE. N.W.	698	1.3	2	3	4	4	2	3	3	3
90227C	1611-4TH STREET S.W.	709	0.5	1	2	2	3	1	1	1	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.

OZONE
PARTS PER HUNDRED MILLION

DECEMBER - DECEMBRE
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			
				INTERVALS - INTERVALLES				24-HOUR / HEURES			
				1-HOUR / HEURE							
				70	95	99	MAX	70	95	99	MAX
	VANCOUVER, B.C.										
00106R	2294 WEST 10TH AVENUE	726	***	0	2	3	5	0	2	2	3
00108I	250 WEST 70TH AVENUE	684	0.6	1	2	3	3	1	2	3	3
00110R	E. HASTINGS & KENSINGTON	728	1.3	2	3	4	4	2	3	3	3
00111I	ROCKY PT. PARK	367	---	2	3	4	4	2	3	3	3
00112C	ROBSON/HORNBLY	722	***	0	1	2	3	0	1	1	2
	VICTORIA, B.C.										
00302C	1106 COOK ST.	712	0.8	1	3	3	3	1	2	3	3

*** 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.

 DECEMBER - DECEMBRE
 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		INTERVALS - INTERVALLES		MEANS ----- MOYENNES		MEANS ----- MOYENNES	
				2-HOUR / HEURES		2-HOUR / HEURES		24-HOUR / HEURES		24-HOUR / HEURES	
				70	95	99	MAX	70	95	99	MAX
MONTREAL, QUEBEC											
50101R	7405 CHAMPAGNEUR	175	----	0.4	0.8	2.2	2.3	0.4	0.8	1.0	1.0
50103R	POINTE-AUX-TREMBLES	305	0.34	0.4	1.1	1.3	1.9	0.4	1.0	1.1	1.1
50104C	1125 ONTARIO EST	345	0.46	0.5	1.2	1.9	2.4	0.5	0.9	1.4	1.5
50106R	VILLE ST-LAURENT	365	0.48	0.5	1.6	2.6	2.9	0.5	1.4	1.8	1.9
50109C	DUNCAN & DECARIE	245	0.46	0.5	1.1	1.9	2.8	0.5	1.0	1.3	1.4
50110C	PARC PILON, MTL.-NORD	360	0.37	0.4	1.0	1.7	2.2	0.4	0.9	1.2	1.2
50115C	1001 BOUL MAISONNEUVE O.	273	0.55	0.6	1.4	2.6	3.5	0.5	1.3	1.7	1.8
50116R	3161 JOSEPH, VERDUN	340	0.43	0.4	1.4	2.2	2.8	0.4	1.5	1.8	1.9
HULL, QUEBEC											
50203R	GAMELIN & JOFFRE	372	0.25	0.3	0.8	1.0	1.4	0.3	0.7	0.8	0.8
TROIS-RIVIERES, QUEBEC											
50801R	HART & STE-CECILE	365	0.20	0.2	0.5	0.7	1.0	0.2	0.4	0.6	0.6
SHAWINIGAN, QUEBEC											
51201I	FRIGON & LAVAL	159	----	0.4	0.8	1.2	1.3	0.4	0.5	0.6	0.6
OTTAWA, ONT.											
60101C	88 SLATER ST.	365	0.23	0.3	0.8	1.0	1.1	0.2	0.6	0.7	0.7
60104C	RIDEAU & WURTEMBERG	679	(1) 0.29	0.3	0.8	1.1	1.5	0.3	0.7	0.9	0.9
WINDSOR, ONT.											
60204C	471 UNIVERSITY AVENUE	679	(1) 0.36	0.5	0.7	1.0	1.2	0.4	0.6	0.7	0.7
60211R	COLLEGE & PRINCE	680	(1) 0.34	0.4	0.7	0.9	1.5	0.4	0.5	0.6	0.6
TORONTO, ONT.											
60402R	DON MILLS, SCIENCE CNTR	0	----	-	-	-	-	-	-	-	-
60403I	EVANS & ARNOLD	707	(1) 0.51	0.6	1.3	2.4	2.8	0.5	1.1	1.8	1.8
60409R	REDLANDS CRESCENT	0	----	-	-	-	-	-	-	-	-
60410R	LAWRENCE & KENNEDY	680	(1) 0.43	0.5	1.1	2.0	2.4	0.5	0.9	1.5	1.6
60412R	BATHURST & WILSON	720	(1) 0.71	0.9	2.0	2.8	3.3	0.8	1.6	2.5	2.6
60413R	ELMCREST ROAD	716	(1) 0.42	0.5	1.4	2.2	2.9	0.5	1.1	1.9	2.0
60414I	SHERBOURNE & WILTON ST.	679	(1) 0.60	0.7	1.4	2.5	3.1	0.7	1.3	2.0	2.0
60415R	QUEENSWAY W & HURONTARIO	0	----	-	-	-	-	-	-	-	-
60417C	26 BREADALBANE STREET	676	(1) 0.56	0.7	1.3	2.0	2.4	0.6	1.2	1.7	1.8
HAMILTON, ONT.											
60501C	BARTON & SANFORD	679	(1) 0.52	0.6	1.5	2.4	3.1	0.6	1.6	1.9	2.0
60505R	NORTH PARK	671	(1) 0.46	0.6	1.1	1.5	2.2	0.6	0.8	1.0	1.0
SUDBURY, ONT.											
60602R	ASH STREET	681	(1) 0.20	0.3	0.7	1.3	1.8	0.2	0.5	0.9	0.9
THUNDER BAY, ONT.											
60806R	435 JAMES S.	0	----	-	-	-	-	-	-	-	-
LONDON, ONT.											
60901C	KING & RECTORY	680	(1) 0.33	0.4	0.7	1.0	1.5	0.4	0.6	0.7	0.7
60902C	372 DUNDAS	0	----	-	-	-	-	-	-	-	-
SARNIA, ONT.											
61004R	FRONT ST. AT C.N. TRACKS	679	(1) 0.31	0.4	0.8	1.1	1.3	0.4	0.6	0.7	0.8
PETERBOROUGH, ONT.											
61103C	500 GEORGE STREET	0	----	-	-	-	-	-	-	-	-
CORNWALL, ONT.											
61201R	MEMORIAL PARK	705	(1) 0.34	0.4	0.9	1.5	1.8	0.4	0.8	1.1	1.1
ST. CATHARINES, ONT.											
61301C	NORTH ST. & GENEVA ST.	675	(1) 0.35	0.4	1.0	1.5	1.9	0.4	0.9	1.0	1.1
KITCHENER, ONT.											
61501C	EDNA & FREDERICK	0	----	-	-	-	-	-	-	-	-
OAKVILLE, ONT.											
61602R	BRONTE AND WOBURN CRES.	724	(1) 0.40	0.5	1.2	1.8	2.6	0.4	0.9	1.6	1.6
OSHAWA, ONT.											
61701R	RITSON RD. & OLIVE AVE.	631	(1) 0.52	0.6	1.4	2.2	3.7	0.6	1.3	1.8	1.9
GUELPH, ONT.											
61801C	FARQUHAR & WYNDHAM	0	----	-	-	-	-	-	-	-	-
WINNIPEG, MAN.											
70118R	JEFFERSON & SCOTIA	237	****	0.1	0.3	0.7	0.9	0.1	0.3	0.3	0.3
70119C	65 ELLEN STREET	193	0.15	0.2	0.3	0.4	0.5	0.2	0.2	0.3	0.3
70120R	604 ST. MARY'S RD.	322	****	0.1	0.3	0.9	1.6	0.1	0.3	0.5	0.5

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

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

 ---- 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.

DECEMBER - DECEMBRE
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. IDYLWYLD DR. & 33RD ST.	153	----	0.1	0.2	0.2	0.3	0.1	0.1	0.1	0.1
90122R	EDMONTON, ALTA. 127 ST. & 133 AVENUE	710	(1) 0.38	0.4	1.2	2.3	2.7	0.4	1.0	1.5	1.5
90130C	10255 - 104TH STREET	744	(1) 0.47	0.5	1.3	2.9	3.8	0.6	1.0	1.8	1.9
90218I	CALGARY, ALTA. BONNY BRK & 18A ST. S.E.	741	(1) 0.42	0.5	1.1	1.8	2.2	0.5	0.9	1.1	1.1
90222R	39 ST. & 29 AVE. N.W.	733	(1) 0.23	0.2	0.9	1.3	1.8	0.3	0.5	1.0	1.1
90227C	1611-4TH STREET S.W.	744	(1) 0.47	0.5	1.3	1.8	4.0	0.6	1.0	1.1	1.2
00102R	VANCOUVER, B.C. 100 RICHMOND STREET	0	----	-	-	-	-	-	-	-	-
00106R	2294 WEST 10TH AVENUE	175	----	0.3	1.0	1.3	1.4	0.4	0.7	0.8	0.8
00108I	250 WEST 70TH AVENUE	372	0.43	0.5	1.4	2.0	2.6	0.5	1.1	1.2	1.3
00110R	E. HASTINGS & KENSINGTON	69	----	0.2	0.4	0.6	0.6	0.2	0.3	0.3	0.3
00111I	ROCKY PT. PARK	116	----	0.5	0.9	1.0	1.0	0.5	0.6	0.6	0.7
00112C	ROBSON/HORNEY	34	----	0.3	0.8	0.8	0.8	0.2	0.3	0.3	0.3
00202C	PRINCE GEORGE, B.C. 1011 4TH AVENUE	361	0.24	0.3	0.7	1.1	1.5	0.3	0.5	0.7	0.7
00302C	VICTORIA, B.C. 1106 COOK ST.	162	----	0.6	1.1	1.4	1.5	0.5	0.8	0.9	0.9
09001C	WHITEHORSE, YUKON FEDERAL BUILDING	304	0.40	0.5	1.4	2.0	2.5	0.5	1.1	1.3	1.3

(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.

STATION	LOCATION EMPLACEMENT	PARTICULATES / PARTICULES							LEAD / PLOMB							
		DAY / JOUR						MEAN MOYENNE	DAY / JOUR						MEAN MOYENNE	
		1	7	13	19	25	31		1	7	13	19	25	31		
10101C	ST. JOHN'S, Nfld. DUCKWORTH & ORDINANCE	-	-	-	-	17	-	-	-	-	-	-	-	0.1	-	-
20101C	CHARLOTTETOWN, P.E.I. 56 FITZROY ST.	11	-	15	15	28	23	18	0.1	-	0.0	0.1	0.1	0.0	0.0	0.1
30101C	HALIFAX, N.S.	32	41	19	26	26	33	30	0.2	0.1	0.2	0.0	0.0	0.1	0.1	0.1
30102R	N.S. TECHNICAL COLLEGE	28	14	14	25	18	25	21	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1
30114R	DALHOUSIE UNIVERSITY	30	12	11	13	-	-	17	0.2	0.0	0.1	0.0	-	-	-	0.1
30115I	MT ST VINCENT UNIVERSITY	14	9	7	15	19	23	15	0.1	0.1	0.1	0.0	0.0	0.1	0.1	0.1
30310C	CFB SHEARWATER															
30310C	SYDNEY, N.S.	78	33	60	41	35	99	58	0.8	0.3	0.0	0.1	0.5	1.1	0.5	0.5
30311R	COUNTY JAIL	94	101	49	39	106	127	86	0.6	0.4	0.2	0.4	0.2	0.6	0.4	0.4
30311R	WHITNEY PIER FIRE STN.															
30408R	GLACE BAY, N.S.	29	83	-	65	20	23	44	0.0	0.0	-	0.0	0.1	0.1	0.0	0.0
30408R	SOUTH STREET															
40102C	FREDERICTON, N.B.	46	59	68	-	-	-	58	0.2	0.2	0.4	-	-	-	-	0.2
40102C	YORK STREET															
40201C	SAINT JOHN, N.B.	46	45	0	39	-	-	33	0.4	0.1	0.1	0.2	-	-	-	0.2
40201C	110 CHARLOTTE STREET															
40301C	MONCTON, N.B.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
40301C	774 MAIN STREET															
50102R	MONTREAL, QUEBEC	76	50	48	29	-	-	51	1.0	0.1	0.1	0.1	-	-	-	0.3
50103R	JARDIN BOTANIQUE	52	79	91	56	53	70	67	-	-	-	-	-	-	-	-
50104C	POINTE-AUX-TREMBLES	139	47	75	52	45	60	70	1.7	0.2	0.5	0.4	0.5	0.5	0.5	0.6
50104C	1125 ONTARIO EST	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50105C	1212 DRUMMOND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50106R	VILLE ST-LAURENT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50108R	1700 BOURASSA, LONGUEUIL	41	33	32	27	29	32	32	0.4	0.1	0.1	-	0.1	0.1	0.1	0.2
50109C	DUNCAN & DECARIE	222	162	122	77	98	155	139	1.4	0.5	0.5	0.1	-	0.6	0.6	0.6
50110C	PARC PILON, MTL.-NORD	45	-	63	64	84	47	61	-	-	-	-	-	-	-	-
50112C	BOUL. LAURENTIDES	70	42	57	54	59	50	55	0.7	0.1	0.3	0.1	0.7	0.1	0.1	0.3
50113R	PIE X & CARDINAL	42	23	38	53	37	49	40	0.4	-	0.3	0.1	0.3	0.1	0.1	0.2
50115C	1001 BOUL MAISONNEUVE O.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50116R	3161 JOSEPH, VERDUN	208	47	40	56	48	39	73	2.1	0.4	0.2	0.3	0.7	0.4	0.4	0.7
50203R	HULL, QUEBEC	59	27	45	45	39	57	45	1.1	0.1	0.4	0.2	0.6	0.2	0.2	0.4
50203R	GAMBLIN & JOFFRE															
50303I	QUEBEC, QUEBEC	56	48	49	53	27	64	50	0.4	0.2	0.7	0.1	0.3	0.5	0.4	0.4
50305R	CENTRE LOISIRS LIMOILLOU	42	-	37	12	26	36	31	0.7	-	0.3	-	0.3	0.2	-	0.4
50305R	2026 BLVD. ST-CYRILLE															
50402R	SHERBROOKE, QUEBEC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50403C	CASERNE DE POMPIERS #5	53	44	-	50	31	77	51	0.9	0.1	-	0.2	0.4	0.3	0.3	0.4
50403C	WELLINGTON & ALBERT															
50502R	CHICOUTIMI, QUEBEC	20	61	50	-	6	22	32	0.1	-	0.3	-	-	-	-	-
50503C	USINE DE FILTRATION	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50503C	222 RACINE															
50601C	ROUYN, QUEBEC	33	-	32	20	12	9	21	0.3	0.6	0.3	0.1	0.2	0.1	0.1	0.3
50601C	HOTEL DE VILLE															
50701C	SEPT-ILES, QUEBEC	45	17	73	12	-	-	37	0.3	-	0.6	-	-	-	-	-
50701C	HOTEL DE VILLE															
50801R	TROIS-RIVIERES, QUEBEC	79	56	52	48	27	74	56	0.6	0.3	0.6	0.1	0.4	0.2	0.2	0.4
50801R	HART & STE-CECILE															
50901R	ARVIDA, QUEBEC	-	28	-	-	139	-	-	-	0.1	-	-	0.1	-	-	-
50901R	POWELL & HOOPES															
51002R	TRACY, QUEBEC	62	15	52	-	94	-	56	0.4	0.1	0.2	-	0.3	-	-	0.3
51002R	GARNEAU & RTE 132															
51101C	THETFORD MINES, QUEBEC	55	-	59	25	44	20	41	1.0	-	0.5	0.1	0.7	0.1	0.1	0.5
51101C	BOUL. STE-MARTHE															
51201I	SHAWINIGAN, QUEBEC	41	36	-	12	23	92	41	0.5	0.2	-	-	0.1	0.1	0.1	0.2
51201I	FRIGON & LAVAL															
51301R	BAIE COMEAU, QUEBEC	27	36	35	62	27	16	34	-	-	-	0.1	-	-	-	-
51301R	39 AVE. MARGUETTE															
60101C	OTTAWA, ONT.	116	-	80	64	35	75	74	1.2	-	0.5	0.2	0.3	0.3	0.3	0.5
60104C	88 SLATER ST.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
60104C	RIDEAU & WURTEMBURG	55	20	34	31	40	39	37	0.6	0.1	0.2	0.1	0.4	0.2	0.2	0.2
60105R	NRC, MONTREAL ROAD															
60201I	WINDSOR, ONT.	47	81	123	42	-	62	71	0.2	0.3	0.3	0.0	-	0.2	-	0.2
60202C	MORTON TERMINAL DOCK	-	57	136	36	23	78	66	-	0.4	0.4	0.3	0.0	0.4	0.4	0.3
60202C	CITY HALL	13	-	55	26	-	-	31	0.0	-	0.1	0.1	-	-	-	0.1
60203R	TECUMSEH WATER WORKS	-	-	118	40	27	69	64	-	-	0.3	0.3	0.1	0.2	0.2	0.2
60204C	471 UNIVERSITY AVENUE															

SUSPENDED PARTICULATE MATTER AND LEAD
MICROGRAMS PER CUBIC METRE

DECEMBER - DECEMBRE
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	31		1	7	13	19	25	31	
60301R	KINGSTON, ONT. QUEEN'S UNIVERSITY	-	-	-	-	-	-	-	-	-	-	-	-	-	-
60402R	TORONTO, ONT. DON MILLS, SCIENCE CNTR	107	41	59	-	-	-	69	1.9	0.2	0.2	-	-	-	0.8
60403I	EVANS & ARNOLD	-	-	-	-	-	-	-	-	-	-	-	-	-	-
60409R	REDLANDS CRESCENT	-	-	-	-	-	-	-	0.7	0.1	0.0	0.0	0.2	0.0	0.2
60410R	LAWRENCE & KENNEDY	-	-	-	-	-	-	-	-	-	-	-	-	-	-
60412R	BATHURST & WILSON	-	-	-	-	-	-	-	-	-	-	-	-	-	-
60413R	ELMCREST ROAD	154	36	79	-	-	-	90	2.7	0.2	0.4	-	-	-	1.1
60414I	SHERBOURNE & WILTON ST.	-	-	-	-	-	-	-	2.4	0.5	0.6	0.2	0.3	0.6	0.8
60415R	QUEENSWAY W & HURONTARIO	-	-	-	-	-	-	-	1.9	0.3	0.4	0.1	0.4	0.2	0.6
60417C	26 BREADALBANE STREET	116	40	-	-	-	-	-	1.1	0.2	-	-	-	-	-
60501C	HAMILTON, ONT. BARTON & SANFORD	-	-	-	-	-	-	-	-	-	-	-	-	-	-
60503I	CHATHAM & FRID	-	-	-	-	-	-	-	-	-	-	-	-	-	-
60505R	NORTH PARK	-	-	-	-	-	-	-	0.9	0.5	0.9	0.1	0.4	0.7	0.6
60602R	SUDBURY, ONT. ASH STREET	46	45	30	21	17	-	32	0.8	0.0	0.2	0.1	0.2	-	0.3
60605C	19 LISGAR STREET	46	44	27	-	22	25	33	1.1	0.2	0.2	-	0.2	0.1	0.4
60705R	SAULT STE. MARIE, ONT. 550 QUEEN STREET WEST	37	51	78	-	21	24	42	0.1	0.0	0.1	-	0.0	0.0	0.0
60801C	THUNDER BAY, ONT. 14 ALGOMA STREET	67	86	107	18	18	58	59	-	-	-	-	-	-	-
60806R	435 JAMES S.	38	-	-	6	0	44	22	-	-	-	-	-	-	-
60901C	LONDON, ONT. KING & RECTORY	67	-	65	-	-	-	-	0.6	-	0.6	-	-	-	-
60902C	372 DUNDAS	54	26	49	19	-	-	37	0.4	0.2	0.4	0.2	0.0	0.2	0.2
61004R	SARNIA, ONT. FRONT ST. AT C.N. TRACKS	-	128	-	-	-	-	-	-	0.1	-	-	-	-	-
61103C	PETERBOROUGH, ONT. 500 GEORGE STREET	-	-	-	-	-	-	-	-	-	-	-	-	-	-
61201R	CORNWALL, ONT. MEMORIAL PARK	-	-	-	-	-	-	-	-	-	-	-	-	-	-
61301C	ST. CATHARINES, ONT. NORTH ST. & GENEVA ST.	-	-	-	-	-	-	-	0.5	0.2	0.3	0.2	0.0	0.3	0.3
61501C	KITCHENER, ONT. EDNA & FREDERICK	66	-	-	-	-	-	-	1.1	-	-	-	-	-	-
61602R	OAKVILLE, ONT. BRONTE AND WOBURN CRES.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
61701R	OSHAWA, ONT. RITSON RD. & OLIVE AVE.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
61801C	GUELPH, ONT. FARQUHAR & WYNDRAM	67	-	-	-	-	-	-	1.0	0.1	-	0.0	0.0	0.2	0.3
70102R	WINNIPEG, MAN. PORTAGE & WOODLAWN	18	38	37	38	18	14	27	0.2	0.3	0.3	0.4	0.1	0.2	0.3
70104I	UNION STOCK YARDS	22	79	61	25	24	50	44	0.1	0.2	0.1	0.1	0.1	0.5	0.2
70118R	JEFFERSON & SCOTIA	18	51	27	16	26	39	30	0.1	0.2	0.1	0.1	0.2	0.4	0.2
70119C	65 ELLEN STREET	14	78	38	15	7	26	30	0.3	0.3	0.2	0.1	0.2	0.5	0.3
70120R	604 ST. MARY'S RD.	23	30	41	30	27	43	32	0.3	0.1	0.2	0.1	0.1	0.7	0.3
70201C	BRANDON, MAN. 11TH ST. & PRINCESS AVE.	37	19	-	-	15	19	23	0.2	0.1	-	-	0.1	0.0	0.1
80102R	REGINA, SASK. 3211 ALBERT STREET	31	29	26	-	23	17	25	0.2	0.2	0.1	-	0.1	0.1	0.1
80108C	12TH AVE. & SMITH ST.	46	36	39	17	26	19	31	0.3	0.2	0.2	0.1	0.1	0.1	0.2
80109C	1620 ALBERT STREET	34	20	37	17	25	15	25	0.3	0.2	0.3	0.2	0.2	0.1	0.2
80203R	SASKATOON, SASK. 30TH ST. & 833 P AVE.	-	-	23	15	20	12	18	-	-	0.3	0.1	0.2	0.2	0.2
80209C	IDYLWYLD DR. & 33RD ST.	-	-	20	18	37	11	22	-	-	0.2	0.2	0.1	0.1	0.1
80301C	MOOSE JAW, SASK. FAIRFORD ST. & 1ST AVE.	62	71	45	29	44	41	49	0.3	0.2	0.1	0.1	0.0	0.1	0.1
80401C	PRINCE ALBERT, SASK. 1257-1ST AVE. EAST	22	21	26	20	27	22	23	0.2	0.2	0.2	0.1	0.1	0.2	0.2
90121I	EDMONTON, ALTA. 17 STREET & 105 AVENUE	63	28	68	43	38	46	48	-	-	-	-	-	-	-
90122R	127 ST. & 133 AVENUE	66	53	87	47	29	41	54	-	-	-	-	-	-	-
90130C	10255 - 104TH STREET	58	120	77	65	21	209	92	-	-	-	-	-	-	-
90204C	CALGARY, ALTA. 316-7TH AVENUE	73	128	53	89	80	144	95	-	-	-	-	-	-	-
90218I	BONNY BRK & 18A ST. S.E.	65	98	63	57	43	101	71	-	-	-	-	-	-	-
90222R	39 ST. & 29 AVE. N.W.	32	51	25	21	25	38	32	-	-	-	-	-	-	-

SUSPENDED PARTICULATE MATTER AND LEAD
MICROGRAMS PER CUBIC METRE

DECEMBER ~ DECEMBRE
1982

PLOMB ET PARTICULES EN SUSPENSION
MICROGRAMMES PAR METRE CUBE

STATION	LOCATION EMPLACEMENT	*--- PARTICULATES / PARTICULES ---*							*----- LEAD / PLOMB -----*						
		----- DAY / JOUR -----						MEAN	*----- DAY / JOUR -----*						MEAN
		1	7	13	19	25	31	MOYENNE	1	7	13	19	25	31	MOYENNE
99001C	YELLOWKNIFE, N.W.T. 50TH AVE. & 49TH STREET	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	VANCOUVER, B.C.														
00102R	100 RICHMOND STREET	34	144	54	22	20	92	61	0.4	2.9	0.8	0.2	0.3	1.8	1.1
00104R	27TH & ONTARIO	47	139	44	32	-	133	79	1.1	3.6	1.0	0.4	-	2.3	1.7
00106R	2294 WEST 10TH AVENUE	-	93	-	-	23	81	66	-	2.5	-	-	0.2	1.8	1.5
00108I	250 WEST 70TH AVENUE	50	128	53	22	21	88	60	0.6	3.2	1.0	0.2	0.2	2.0	1.2
00109C	970 BURRARD	33	110	48	26	20	75	52	0.8	2.3	0.8	0.3	0.3	1.9	1.1
00110R	E. HASTINGS & KENSINGTON	20	62	30	17	15	60	34	0.4	1.4	0.6	0.2	0.2	1.3	0.7
00111I	ROCKY PT. PARK	20	90	-	-	-	-	-	0.4	2.2	-	-	-	-	-
00113I	ANNACIS ISLAND, DELTA	35	179	61	28	27	96	71	0.5	2.5	0.5	0.2	0.2	1.3	0.9
00114C	MUNICIPAL HALL, RICHMOND	31	123	31	27	23	-	47	0.8	3.3	0.9	0.3	0.3	-	1.1
00115R	NEWTON ELEM. SCH., SURREY	31	126	29	-	23	113	64	0.4	2.6	0.5	-	0.2	2.2	1.2
00116R	FIRE HALL, N. VANCOUVER	20	58	30	24	23	59	36	0.7	1.7	1.2	0.2	0.3	1.7	1.0
00117R	BCIT BURNABY	27	116	36	-	-	-	60	0.7	4.0	1.1	-	-	-	2.0
	PRINCE GEORGE, B.C.														
00202C	1011 4TH AVENUE	44	46	37	40	10	29	34	0.5	0.2	0.2	0.3	0.0	0.2	0.2
	VICTORIA, B.C.														
00302C	1106 COOK ST.	35	68	46	31	53	-	47	0.5	1.5	0.5	0.3	0.6	-	0.7
	KAMLOOPS, B.C.														
00401C	301 SEYMOUR ST.	152	227	61	-	128	141	142	1.3	1.2	0.8	-	0.6	0.4	0.9
	WHITEHORSE, YUKON														
09001C	FEDERAL BUILDING	9	34	10	11	18	19	17	0.2	0.1	0.2	0.1	0.1	0.5	0.2

COMBINATION OF SULPHUR DIOXIDE AND
SUSPENDED PARTICULATES
1000*(MICROGRAMS/CU.METRE)**2DECEMBER - DECEMBRE
1982DIOXYDE DE SOUFRE ET
PARTICULES EN ASSOCIATION
1000*(MICROGRAMMES/METRE CUBE)**2

STATION	LOCATION EMPLACEMENT	*----- DAY / JOUR -----*					
		1	7	13	19	25	31
10101C	ST. JOHN'S, NFLD. DUCKWORTH & ORDINANCE	-	-	-	-	-	-
20101C	CHARLOTTETOWN, P.E.I. 56 FITZROY ST.	1	-	0	0	-	-
30114R	HALIFAX, N.S. MT ST VINCENT UNIVERSITY	1	-	1	0	-	-
30115I	CFB SHEARWATER	0	0	0	0	0	1
30310C	SYDNEY, N.S. COUNTY JAIL	0	1	1	1	1	3
30311R	WHITNEY PIER FIRE STN.	-	4	4	1	5	6
30408R	GLACE BAY, N.S. SOUTH STREET	1	-	-	-	-	-
50102R	MONTREAL, QUEBEC JARDIN BOTANIQUE	-	-	2	0	-	-
50103R	POINTE-AUX-TREMBLES	1	9	4	0	2	5
50104C	1125 ONTARIO EST	16	1	5	1	3	1
50106R	VILLE ST-LAURENT	-	-	-	-	-	-
50108R	1700 BOURASSA, LONGUEUIL	2	0	1	0	1	1
50109C	DUNCAN & DECARIE	-	-	7	3	10	4
50110C	PARC PILON, MTL.-NORD	1	-	2	2	4	0
50112C	BOUL. LAURENTIDES	2	0	1	5	2	0
50113R	PIE X & CARDINAL	2	0	2	2	2	2
50115C	1001 BOUL MAISONNEUVE O.	-	-	-	-	-	-
50116R	3161 JOSEPH, VERDUN	20	0	2	1	3	0
50203R	HULL, QUEBEC GAMBLIN & JOFFRE	2	0	2	1	1	2
50303I	QUEBEC, QUEBEC CENTRE LOISIRS LIMOILLOU	5	1	3	7	1	2
50306R	2026 BLVD. ST-CYRILLE	4	-	3	-	2	1
50601C	ROUYN, QUEBEC HOTEL DE VILLE	1	-	1	0	0	0
50701C	SEPT-ILES, QUEBEC HOTEL DE VILLE	1	-	1	0	-	-
50801R	TROIS-RIVIERES, QUEBEC HART & STE-CECILE	2	-	1	-	-	-
50901R	ARVIDA, QUEBEC POWELL & HOOPES	-	0	-	-	21	-
51201I	SHAWINIGAN, QUEBEC FRIGON & LAVAL	0	0	-	0	1	2
51301R	BAIE COMEAU, QUEBEC 39 AVE. MARGUETTE	1	-	18	-	0	0
60101C	OTTAWA, ONT. 88 SLATER ST.	3	-	1	1	0	1
60104C	RIDEAU & WURTEMBERG	-	-	-	-	-	-
60105R	NRC, MONTREAL ROAD	2	0	0	0	1	0
60201I	WINDSOR, ONT. MORTON TERMINAL DOCK	1	2	9	1	-	1
60204C	471 UNIVERSITY AVENUE	-	-	9	0	1	4
60402R	TORONTO, ONT. DON MILLS, SCIENCE CNTR	4	1	3	-	-	-
60403I	EVANS & ARNOLD	-	-	-	-	-	-
60409R	REDLANDS CRESCENT	-	-	-	-	-	-
60410R	LAWRENCE & KENNEDY	-	-	-	-	-	-
60412R	BATHURST & WILSON	-	-	-	-	-	-
60413R	ELMCREST ROAD	10	0	1	-	-	-
60414I	SHERBOURNE & WILTON ST.	-	-	-	-	-	-
60415R	QUEENSWAY W & HURONTARIO	-	-	-	-	-	-
60417C	26 BREADALBANE STREET	10	0	-	-	-	-
60501C	HAMILTON, ONT. BARTON & SANFORD	-	-	-	-	-	-
60505R	NORTH PARK	-	-	-	-	-	-
60602R	SUDBURY, ONT. ASH STREET	1	0	0	0	0	-
60806R	THUNDER BAY, ONT. 435 JAMES S.	0	-	-	0	0	0
60901C	LONDON, ONT. KING & RECTORY	2	-	2	-	-	-

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

DECEMBER - DECEMBRE
1982

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

STATION	LOCATION EMPLACEMENT	*----- DAY / JOUR -----*					
		1	7	13	19	25	31
61004R	SARNIA, ONT. FRONT ST. AT C.N. TRACKS	-	0	-	-	-	-
61103C	PETERBOROUGH, ONT. 500 GEORGE STREET	-	-	-	-	-	-
61201R	CORNWALL, ONT. MEMORIAL PARK	-	-	-	-	-	-
61301C	ST. CATHARINES, ONT. NORTH ST. & GENEVA ST.	-	-	-	-	-	-
61501C	KITCHENER, ONT. EDNA & FREDERICK	2	-	-	-	-	-
61602R	OAKVILLE, ONT. BRONTE AND WOBURN CRES.	-	-	-	-	-	-
61701R	OSHAWA, ONT. RITSON RD. & OLIVE AVE.	-	-	-	-	-	-
61801C	GUELPH, ONT. FARQUHAR & WYNDHAM	2	-	-	-	-	-
70118R	WINNIPEG, MAN. JEFFERSON & SCOTIA	0	0	0	0	0	0
70119C	65 ELLEN STREET	-	-	-	-	0	0
70120R	604 ST. MARY'S RD.	0	0	0	0	0	0
80109C	REGINA, SASK. 1620 ALBERT STREET	-	-	-	-	-	-
80209C	SASKATOON, SASK. IDYLWYLD DR. & 33RD ST.	-	-	0	-	0	0
80301C	MOOSE JAW, SASK. FAIRFORD ST. & 1ST AVE.	-	0	0	0	0	-
80401C	PRINCE ALBERT, SASK. 1257-1ST AVE. EAST	0	0	0	0	0	0
90121I	EDMONTON, ALTA. 17 STREET & 105 AVENUE	0	0	0	0	0	0
90218I	CALGARY, ALTA. BONNY BRK & 18A ST. S.E.	1	1	1	0	0	1
00106R	VANCOUVER, B.C. 2294 WEST 10TH AVENUE	-	3	-	-	0	2
00110R	E. HASTINGS & KENSINGTON	0	2	0	0	0	2
00111I	ROCKY PT. PARK	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

DECEMBER - DECEMBRE
1982

RETOMBÉES DE POUSSIÈRES
GRAMMES PAR MÈTRE CARRE PAR 30 JOURS
INDICES DE FORMATION DE SULFATE
MILLIGRAMMES PAR 100 CM2 PAR JOUR

STATION	LOCATION EMPLACEMENT	DUSTFALL RETOMBÉES DE POUSSIÈRES	S03
	SYDNEY, N.S.		
30301R	MURPHY ROAD	2.6	0.1 **
30309I	PT EDWARD, RICHMOND PLST	4.9	0.2 **
30310C	COUNTY JAIL	3.4	0.4 **
30311R	WHITNEY PIER FIRE STN.	6.6	0.9 **
	GLACE BAY, N.S.		
30401R	LAKE ROAD	7.9	0.8 **
30405C	GENERAL HOSPITAL	4.9	1.7 **
	MONTREAL, QUEBEC		
50101R	7405 CHAMPAGNEUR	-	-
50102R	JARDIN BOTANIQUE	2.0	- *
50103R	POINTE-AUX-TREMBLES	2.0	-
50106R	VILLE ST-LAURENT	-	-
50107R	VILLE LASALLE	-	-
	TORONTO, ONT.		
60403I	EVANS & ARNOLD	3.4	-
60404R	5126 YONGE STREET	-	-
60405I	JOHN STREET PUMP STATION	16.5	-
60406R	ROSEHILL RESERVOIR	-	-
60408C	DANFORTH & ROBINSON	4.2	-
	HAMILTON, ONT.		
60501C	BARTON & SANFORD	2.9	-
60502I	BURLINGTON & GAGE	6.9	-
60503I	CHATHAM & FRID	6.6	-
60507C	HUGHSON & HUNTER	1.9	-
60510I	STRATHEARN	11.7	-
	SAULT STE. MARIE, ONT.		
60702R	ANNA MCREA PUBLIC SCHOOL	1.8	-
60703I	BAYVIEW & YOUNG	7.3	-
	THUNDER BAY, ONT.		
60801C	14 ALGOMA STREET	2.7	-
	LONDON, ONT.		
60901C	KING & RECTORY	-	-
	WINNIPEG, MAN.		
70105R	MARTIN & HENDERSON HWY	8.8	0.1 **
70110C	KENNEDY & ST. MARY'S	8.4	-
70113I	WINDERMERE & ROCKMAN	4.3	0.0 **
70115C	PORTAGE & MINTO	11.7	0.1 **
70116I	SMITH & KING	15.4	0.2 **
	EDMONTON, ALTA.		
90125C	PRINS ELIZABETH & 108 ST	-	0.3 **
90126R	77 AVENUE & 85 STREET	-	0.2 **
90127I	115 AVENUE & 159 STREET	-	0.3 **
90128R	99 AVENUE & 160 STREET	-	- **
	CALGARY, ALTA.		
90219C	620-7TH AVENUE, S.W.	6.1	0.2 **
90221R	DALHOUSIE DR & DALHAM DR	1.4	0.1 **
90223C	11 ST. & 38 AVE. S.E.	4.9	0.1 **
90224I	OGDENDALE & 71 AVE S.E.	2.4	0.2 **
90225R	PALLISER DR & OAKWOOD SW	3.4	0.3 **
90226I	SHEPPARD & 84 AVE S.E.	3.1	0.1 **

Environment Canada - Environnement Canada

National air pollution surveillance; monthly
summary = Surveillance nationale de la pollut
CANADA. AIR POLLUTION CONTROL DIRECTORATE

TD 890 C325
NSDE

3408367H

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

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