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Service

Environnement
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Service de la
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Monthly Summary December 1983

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CANADA

National Air Pollution Surveillance

Surveillance nationale de la pollution atmosphérique

Environment Canada - Environnement Canada

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

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Surveillance Report
PS 5-EP-83-12

Environmental Protection
Programs Directorate

Rapport de surveillance
EPS 5-EP-83-12

Direction générale des programmes
de protection de l'environnement

Canada

SULPHUR DIOXIDE
PARTS PER HUNDRED MILLIONDECEMBER - DECEMBRE
1983DIOXYDE 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			
				1-HOUR / HEURE							
				70	95	99	MAX	70	95	99	MAX
10101C	ST. JOHN'S, Nfld. DUCKWORTH & ORDINANCE	428	***	1	2	3	4	1	1	2	2
20101C	CHARLOTTETOWN, P.E.I. 56 FITZROY ST.	575	***	1	2	3	4	1	2	2	2
30114R	HALIFAX, N.S. MT ST VINCENT UNIVERSITY	612	***	0	2	3	5	1	1	1	1
30115I	CFB SHEARWATER	570	***	1	5	9	17	1	3	3	4
30116C	BARRINGTON & DUKE	30	---	2	3	4	4	2	2	2	2
30310C	SYDNEY, N.S. COUNTY JAIL	433	1.1	1	3	5	7	1	2	2	2
30311R	WHITNEY PIER FIRE STN.	0	---	-	-	-	-	-	-	-	-
30408R	GLACE BAY, N.S. SOUTH STREET	0	---	-	-	-	-	-	-	-	-
40202C	SAINT JOHN, N.B. POST OFFICE	743	1.7	2	6	7	12	2	5	6	6
50101R	MONTREAL, QUEBEC 7405 CHAMPAGNEUR	0	---	-	-	-	-	-	-	-	-
50102R	JARDIN BOTANIQUE	608	1.4	2	3	7	9	2	3	4	4
50103R	POINTE-AUX-TREMBLES	738	1.6	2	7	11	16	2	5	5	5
50104C	1125 ONTARIO EST	742	***	1	2	4	9	1	2	3	3
50106R	VILLE ST-LAURENT	716	1.3	2	3	4	7	2	3	3	3
50108R	1700 BOURASSA, LONGUEUIL	640	***	0	1	1	2	0	1	1	1
50109C	DUNCAN & DECARIE	0	---	-	-	-	-	-	-	-	-
50110C	PARC PILON, MTL.-NORD	640	1.1	2	3	4	5	2	2	3	3
50112C	BOUL. LAURENTIDES	552	***	1	1	2	3	1	1	2	2
50113R	PIE X & CARDINAL	502	***	1	2	2	3	1	2	2	2
50115C	1001 BOUL MAISONNEUVE O.	517	1.7	2	4	6	10	2	3	4	4
50116R	3161 JOSEPH, VERDUN	711	***	0	1	2	5	0	1	2	2
50203R	HULL, QUEBEC GAMBLIN & JOFFRE	418	***	1	1	2	2	1	1	1	1
50303I	QUEBEC, QUEBEC CENTRE LOISIRS LIMOILLOU	682	1.4	2	3	7	10	2	2	6	6
50304C	325 DORCHESTER SUB	543	1.2	2	3	4	5	2	2	2	2
50306R	2026 BLVD. ST-CYRILLE	303	---	1	2	3	6	1	2	2	2
50601C	ROUYN, QUEBEC HOTEL DE VILLE	655	***	0	1	10	40	0	3	4	4
50701C	SEPT-ILES, QUEBEC HOTEL DE VILLE	654	***	0	1	1	1	0	0	1	1
50801R	TROIS-RIVIERES, QUEBEC HART & STE-CECILE	650	1.8	2	7	11	30	2	6	8	8
50901R	ARVIDA, QUEBEC POWELL & HOOPES	647	1.7	1	10	14	19	2	7	9	10
51001R	TRACY, QUEBEC 3225 AVE COURSHESNE	623	***	1	2	5	15	1	2	3	3
51201I	SHAWINIGAN, QUEBEC PRIGON & LAVAL	701	1.7	2	6	10	20	2	4	5	5
51301R	BAIE COMEAU, QUEBEC 39 AVE. MARGUETTE	0	---	-	-	-	-	-	-	-	-
50101C	OTTAWA, ONT. 88 SLATER ST.	445	***	1	3	4	4	1	2	3	3
50104C	RIDEAU & WURTEMBERG	722	***	0	2	4	6	0	2	2	3
50105R	NRC, MONTREAL ROAD	321	---	1	1	2	3	1	1	1	1
60201I	WINDSOR, ONT. MORTON TERMINAL DOCK	0	---	-	-	-	-	-	-	-	-
60204C	471 UNIVERSITY AVENUE	721	1.5	2	5	6	8	2	3	4	4
60211R	COLLEGE & PRINCE	684	1.4	2	4	6	7	2	3	4	4
60402R	TORONTO, ONT. DON MILLS, SCIENCE CNTR	0	---	-	-	-	-	-	-	-	-
60403I	EVANS & ARNOLD	727	***	1	2	3	3	1	1	2	2
60409R	REDLANDS CRESCENT	0	---	-	-	-	-	-	-	-	-
60410R	LAWRENCE & KENNEDY	524	***	1	2	4	8	1	2	2	2
60412R	BATHURST & WILSON	719	***	1	2	4	6	1	2	3	3
60413R	ELMCREST ROAD	0	---	-	-	-	-	-	-	-	-
60414I	SHERBOURNE & WILTON ST.	708	1.2	1	5	10	17	1	5	7	7
60415R	QUEENSWAY W & HURONTARIO	601	***	1	1	2	3	1	1	1	1
60417C	26 BREADALBANE STREET	730	***	1	3	8	11	1	2	5	6

*** 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 MILLIONDECEMBER - DECEMBRE
1983DIOXYDE 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	723	1.1	1	3	5	10	1	2	3	3
60505R	NORTH PARK	721	2.0	3	5	8	9	3	5	6	6
60602R	SUDBURY, ONT. ASH STREET	700	1.1	1	5	8	37	1	4	5	5
60606C	KENNEDY STREET	718	1.0	1	5	8	18	1	3	5	6
60706I	SAULT STE. MARIE, ONT. FARWELL PUMP HOUSE	713	***	1	3	3	5	1	2	2	2
60806R	THUNDER BAY, ONT. 435 JAMES S.	664	***	0	0	1	1	0	0	0	0
60901C	LONDON, ONT. KING & RECTORY	709	***	1	2	3	6	1	1	2	2
61004R	SARNIA, ONT. FRONT ST. AT C.N. TRACKS	725	***	1	4	8	14	1	3	7	7
61103C	PETERBOROUGH, ONT. 500 GEORGE STREET	179	---	0	3	4	5	0	2	2	2
61201R	CORNWALL, ONT. MEMORIAL PARK	664	***	0	4	9	12	1	3	4	4
61301C	ST. CATHARINES, ONT. NORTH ST. & GENEVA ST.	728	***	1	2	5	9	1	2	4	4
61501C	KITCHENER, ONT. EDNA & FREDERICK	0	---	-	-	-	-	-	-	-	-
61602R	OAKVILLE, ONT. BRONTE AND WOBURN CRES.	726	***	1	3	5	9	1	3	3	4
61701R	OSHAWA, ONT. RITSON RD. & OLIVE AVE.	728	***	1	2	4	8	1	2	3	3
61801C	GUELPH, ONT. FARQUHAR & WYNDHAM	681	***	0	1	2	2	0	1	1	1
70118R	WINNIPEG, MAN. JEFFERSON & SCOTIA	704	***	0	0	0	0	0	0	0	0
70119C	65 ELLEN STREET	623	***	0	2	3	5	0	1	1	1
70120R	604 ST. MARY'S RD.	701	***	0	0	1	5	0	0	1	1
80109C	REGINA, SASK. 1620 ALBERT STREET	365	---	0	0	1	1	0	0	0	0
80209C	SASKATOON, SASK. IDYLWYLD DR. & 33RD ST.	615	***	0	0	0	0	0	0	0	0
90121I	EDMONTON, ALTA. 17 STREET & 105 AVENUE	701	***	0	1	1	1	0	0	0	0
90218I	CALGARY, ALTA. BONNY BRK & 18A ST. S.E.	700	***	0	1	2	3	1	1	1	2
00106R	VANCOUVER, B.C. 2294 WEST 10TH AVENUE	695	***	1	2	2	4	1	2	2	2
00110R	E. HASTINGS & KENSINGTON	135	---	1	2	2	3	1	1	1	1
00111I	ROCKY PT. PARK	714	***	0	0	1	1	0	0	0	0
00112C	ROBSON/HORNBY	437	***	1	1	2	2	1	1	1	1
00302C	VICTORIA, B.C. 1250 QUADRA ST.	708	***	1	3	4	6	1	2	2	2
00401C	KAMLOOPS, B.C. 301 SEYMOUR ST.	708	***	0	0	1	1	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 MILLIONDECEMBER - DECEMBRE
1983MONOXYDE DE CARBONE
PARTIES PAR MILLION

STATION	LOCATION EMPLACEMENT	NUMBER OF HOURLY SAMPLES NOMBRE DE DONNEES HORAIRES	MONTHLY MEAN MOYENNE MENSUELLE	FREQUENCY DISTRIBUTIONS - INTERVALS - INTERVALLES				CENTILES - DISTRIBUTIONS DES FREQUENCES				MEANS MOYENNES			
				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, NFED. DUCKWORTH & ORDINANCE	625	0.7	1	2	5	7	1	2	4	6	1	2	3	3
30116C	HALIFAX, N.S. BARRINGTON & DUKE	646	1.6	2	5	8	13	2	4	6	7	2	4	4	4
40202C	SAINT JOHN, N.B. POST OFFICE	743	1.8	2	4	7	14	2	4	5	6	2	3	3	3
50102R	MONTREAL, QUEBEC JARDIN BOTANIQUE	712	0.9	1	2	3	10	1	2	3	4	1	2	2	2
50103R	POINTE-AUX-TREMBLES	739	***	1	2	3	4	1	1	2	2	1	1	1	2
50104C	1125 ONTARIO EST	744	1.6	2	4	5	9	2	3	4	5	2	3	3	3
50108R	1700 BOURASSA, LONGUEUIL	0	---	---	---	---	---	---	---	---	---	---	---	---	---
50109C	DUNCAN & DECARIE	670	2.1	2	6	12	35	3	6	7	9	3	4	5	5
50110C	PARC PILON, MTL.-NORD	0	---	---	---	---	---	---	---	---	---	---	---	---	---
50112C	BOUL. LAURENTIDES	705	1.0	1	3	4	10	1	2	4	5	1	2	2	3
50113R	PIE X & CARDINAL	676	1.1	1	2	5	9	1	2	4	6	1	2	3	3
50115C	1001 BOUL MAISONNEUVE O.	670	2.9	3	6	9	11	3	6	7	7	3	5	5	5
50116R	3161 JOSEPH, VERDUN	731	0.7	1	2	4	12	1	2	3	5	1	2	2	2
50203R	HULL, QUEBEC GAMBLIN & JOFFRE	0	---	---	---	---	---	---	---	---	---	---	---	---	---
50304C	QUEBEC, QUEBEC 325 DORCHESTER SUD	712	1.0	1	3	5	12	1	2	6	9	1	2	4	4
60101C	OTTAWA, ONT. 88 SLATER ST.	596	2.4	3	6	8	11	3	5	6	7	3	4	5	5
60104C	RIDEAU & WURTEMBERG	725	***	0	2	3	9	1	2	3	4	1	1	3	3
60204C	WINDSOR, ONT. 471 UNIVERSITY AVENUE	598	***	1	2	3	7	1	1	2	3	1	1	1	1
60402R	TORONTO, ONT. DON MILLS, SCIENCE CNTR	0	---	---	---	---	---	---	---	---	---	---	---	---	---
60403I	EVANS & ARNOLD	429	1.7	2	4	5	7	2	4	5	5	2	4	4	4
60410R	LAWRENCE & KENNEDY	726	1.3	1	3	4	8	1	3	3	4	1	2	3	3
60412R	BATHURST & WILSON	724	1.0	1	3	5	7	1	3	4	5	1	3	3	3
60413R	ELMCREST ROAD	0	---	---	---	---	---	---	---	---	---	---	---	---	---
60414I	SHERBOURNE & WILTON ST.	728	1.3	2	2	3	7	2	2	3	3	2	2	2	2
60415R	QUEENSWAY W & HURONTARIO	0	---	---	---	---	---	---	---	---	---	---	---	---	---
60416C	381 YONGE STREET	0	---	---	---	---	---	---	---	---	---	---	---	---	---
60417C	26 BREADALBANE STREET	726	0.8	1	2	3	5	1	2	2	3	1	2	2	2
60501C	HAMILTON, ONT. BARTON & SANFORD	716	0.8	1	3	4	9	1	2	4	5	1	2	2	3
60602R	SUDBURY, ONT. ASH STREET	725	***	0	1	5	8	0	1	4	7	0	1	3	3
60706I	SAULT STE. MARIE, ONT. FARNELL PUMP HOUSE	713	1.5	2	4	6	9	2	3	5	6	2	3	4	4
60901C	LONDON, ONT. KING & RECTORY	716	0.6	1	2	3	9	1	2	3	4	1	1	2	2
61004R	SARNIA, ONT. FRONT ST. AT C.N. TRACKS	723	***	0	1	2	5	0	1	2	2	0	1	1	1
61201R	CORNWALL, ONT. MEMORIAL PARK	712	***	0	1	2	5	0	1	1	2	0	1	1	1
61301C	ST. CATHARINES, ONT. NORTH ST. & GENEVA ST.	718	***	0	2	4	8	0	2	3	4	0	1	2	2
61501C	KITCHENER, ONT. EDNA & FREDERICK	0	---	---	---	---	---	---	---	---	---	---	---	---	---
61602R	OAKVILLE, ONT. BRONTE AND WOBURN CRES.	719	1.1	1	3	4	4	1	2	3	3	1	2	2	2
61701R	OSHAWA, ONT. RITSON RD. & OLIVE AVE.	726	1.8	2	4	5	8	2	4	5	6	2	3	5	5
70118R	WINNIPEG, MAN. JEFFERSON & SCOTIA	694	0.6	1	2	2	3	1	1	2	2	1	1	1	1
70119C	65 ELLEN STREET	663	0.8	1	2	3	4	1	2	2	2	1	1	2	2
70120R	604 ST. MARY'S RD.	708	0.6	1	2	3	5	1	2	2	2	1	1	2	2
80109C	REGINA, SASK. 1620 ALBERT STREET	657	0.8	1	3	5	6	1	2	3	4	1	2	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 MILLIONDECEMBER - DECEMBRE
1983MONOXYDE 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 ----- MOYENNES				MEANS ----- MOYENNES			
				1-HOUR / HEURE				8-HOUR / HEURES				24-HOUR / HEURES			
				70	95	99	MAX	70	95	99	MAX	70	95	99	MAX
80209C	SASKATOON, SASK. IDYLLWYLD DR. & 33RD ST.	724	0.6	1	2	4	8	1	2	3	4	1	2	2	2
	EDMONTON, ALTA.														
90121I	17 STREET & 105 AVENUE	685	1.2	1	3	4	5	1	3	3	3	2	2	2	2
90122R	127 ST. & 133 AVENUE	724	1.9	2	6	10	15	2	6	8	9	2	5	6	7
90130C	10255 - 104TH STREET	719	2.4	3	6	9	12	3	5	7	9	3	4	5	6
	CALGARY, ALTA.														
90222R	39 ST. & 29 AVE. N.W.	719	1.2	1	4	8	11	1	3	6	7	1	3	4	4
90227C	1611-4TH STREET S.W.	723	2.4	3	6	12	18	3	6	10	12	3	5	7	7
	VANCOUVER, B.C.														
00106R	2294 WEST 10TH AVENUE	726	2.2	3	5	10	12	3	5	7	9	2	5	5	6
00108I	250 WEST 70TH AVENUE	726	2.0	2	5	9	15	2	5	7	9	2	4	5	5
00110R	E. HASTINGS & KENSINGTON	707	1.4	2	4	5	9	2	3	4	5	2	3	3	3
00111I	ROCKY PT. PARK	723	1.6	2	5	6	9	2	4	5	5	2	3	4	4
00112C	ROBSON/HORNBY	701	2.2	3	5	7	13	3	4	6	6	3	3	4	4
	VICTORIA, B.C.														
00302C	1250 QUADRA ST.	711	1.6	2	5	9	15	2	4	7	9	2	3	4	4

MITROGEN DIOXIDE
PARTS PER HUNDRED MILLION

DECEMBER - DECEMBRE
1983

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		1-HOUR / HEURE		MEANS ---- MOYENNES		24-HOUR / HEURES	
				70	95	99	MAX	70	95	99	MAX
301151	HALIFAX, N.S.	739	***	1	1	1	1	1	1	1	1
30116C	CFB SHEARWATER BARRINGTON & DUKE	0	---	-	-	-	-	-	-	-	-
40202C	SAINT JOHN, N.B. POST OFFICE	743	***	1	2	3	5	1	2	2	2
50102R	MONTREAL, QUEBEC										
50104C	JARDIN BOTANIQUE	737	2.6	3	5	7	8	3	4	6	6
50104C	1125 ONTARIO EST	0	---	-	-	-	-	-	-	-	-
50108R	1700 BOURASSA, LONGUEUIL	644	2.9	3	5	5	6	3	4	5	5
50109C	DUNCAN & DECARIE	0	---	-	-	-	-	-	-	-	-
50110C	PARC PILON, MTL.-NORD	732	3.0	4	5	5	6	4	4	4	4
50112C	BOUL. LAURENTIDES	682	1.9	2	3	4	4	2	3	3	3
50113R	PIE X & CARDINAL	704	1.6	3	4	5	6	3	4	4	4
50115C	1001 BOUL MAISONNEUVE O.	709	3.7	4	5	6	8	4	5	5	5
50116R	3161 JOSEPH, VERDUN	290	---	0	1	2	4	0	1	2	2
50203R	HULL, QUEBEC GAMBLIN & JOFFRE	719	1.6	2	3	4	8	2	3	4	4
50304C	QUEBEC, QUEBEC 325 DORCHESTER SUD	659	2.5	3	4	5	7	3	4	4	4
60101C	OTTAWA, ONT. 88 SLATER ST.	0	---	-	-	-	-	-	-	-	-
60104C	RIDEAU & WURTEMBERG	719	1.6	2	3	4	6	2	3	4	4
60105R	NRC, MONTREAL ROAD	606	1.8	2	4	4	5	2	3	4	4
60204C	WINDSOR, ONT. 471 UNIVERSITY AVENUE	724	2.8	3	4	6	7	3	4	5	5
60402R	TORONTO, ONT. DON MILLS, SCIENCE CNTR	0	---	-	-	-	-	-	-	-	-
60403I	EVANS & ARNOLD	725	2.7	3	4	4	5	3	4	4	4
60410R	LAWRENCE & KENNEDY	726	1.3	2	3	4	5	2	3	3	3
60412R	BATHURST & WILSON	726	2.7	3	5	7	10	3	4	5	5
60413R	ELMCREST ROAD	0	---	-	-	-	-	-	-	-	-
60414I	SHERBOURNE & WILTON ST.	731	3.2	4	5	5	7	4	4	5	5
60415R	QUEENSWAY W & HURONTARIO	0	---	-	-	-	-	-	-	-	-
60417C	26 BREADALBANE STREET	722	2.2	3	3	4	5	2	3	3	3
60501C	HAMILTON, ONT. BARTON & SANFORD	726	2.8	3	5	5	7	3	4	4	4
60505R	NORTH PARK	702	2.7	3	5	5	8	3	4	5	5
60602R	SUDBURY, ONT. ASH STREET	0	---	-	-	-	-	-	-	-	-
60706I	SAULT STE. MARIE, ONT. FARWELL PUMP HOUSE	0	---	-	-	-	-	-	-	-	-
60901C	LONDON, ONT. KING & RECTORY	723	2.4	3	4	5	12	3	4	4	4
61004R	SARNIA, ONT. FRONT ST. AT C.N. TRACKS	649	1.9	2	4	5	7	2	3	3	3
61201R	CORNWALL, ONT. MEMORIAL PARK	687	1.4	2	3	4	6	2	2	3	3
61301C	ST. CATHARINES, ONT. NORTH ST. & GENEVA ST.	717	1.5	2	3	3	4	2	2	3	3
61501C	KITCHENER, ONT. EDNA & FREDERICK	0	---	-	-	-	-	-	-	-	-
61602R	OAKVILLE, ONT. BRONTE AND WOBURN CRES.	722	1.6	2	3	4	5	2	3	3	3
61701R	OSHAWA, ONT. RITSON RD. & OLIVE AVE.	730	1.7	2	3	4	4	2	3	3	3
70118R	WINNIPEG, MAN. JEFFERSON & SCOTIA	582	***	0	1	1	1	0	1	1	1
70119C	65 ELLEN STREET	639	2.0	3	4	4	6	2	3	3	3
80109C	REGINA, SASK. 1620 ALBERT STREET	368	---	6	8	10	11	6	8	8	8
90122R	EDMONTON, ALTA. 127 ST. & 133 AVENUE	744	3.9	4	7	11	14	4	7	9	9
90130C	10255 - 104TH STREET	720	2.8	3	4	6	8	3	4	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.

NITROGEN DIOXIDE
 PARTS PER HUNDRED MILLION

DECEMBER - DECEMBRE
 1983

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			
				1-HOUR / HEURE							
				70	95	99	MAX	70	95	99	MAX
CALGARY, ALTA.											
90222R	39 ST. & 29 AVE. N.W.	664	2.3	3	5	6	7	3	4	4	4
90227C	1611-4TH STREET S.W.	564	3.1	4	5	8	9	4	5	5	6
VANCOUVER, B.C.											
00106R	2294 WEST 10TH AVENUE	727	3.1	4	5	6	7	3	4	5	5
00108I	250 WEST 70TH AVENUE	556	3.1	4	7	9	12	3	7	8	8
00110R	E. HASTINGS & KENSINGTON	724	2.6	3	5	6	6	3	4	4	4
00111I	ROCKY PT. PARK	692	2.4	3	4	4	5	3	3	4	4
00112C	ROBSON/HORNBY	700	3.4	4	5	7	9	4	4	5	5
VICTORIA, B.C.											
00302C	1250 QUADRA ST.	0	---	-	-	-	-	-	-	-	-

OZONE
PARTS PER HUNDRED MILLIONDECEMBER - DECEMBRE
1983OZONE
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
301151	HALIFAX, N.S.										
30116C	CFB SHEARWATER	701	1.4	2	2	2	3	2	2	2	2
	BARRINGTON & DUKE	725	0.5	1	2	2	2	1	1	2	2
40202C	SAINT JOHN, N.B.										
	POST OFFICE	743	1.6	2	3	3	3	2	3	3	3
50102R	MONTREAL, QUEBEC										
	JARDIN BOTANIQUE	644	0.7	1	2	3	3	1	2	2	2
50103R	POINTE-AUX-TREMBLES	466	1.2	2	3	3	3	2	3	3	3
50104C	1125 ONTARIO EST	744	0.6	1	2	2	2	1	2	2	2
50108R	1700 BOURASSA, LONGUEUIL	598	1.4	2	3	3	3	2	2	3	3
50109C	DUNCAN & DECARIE	0	---	---	---	---	---	---	---	---	---
50110C	PARC PILON, MTL.-NORD	724	---	1	2	2	2	1	1	2	2
50112C	BOUL. LAURENTIDES	0	---	---	---	---	---	---	---	---	---
50113R	PIE X & CARDINAL	637	1.4	2	3	3	3	2	3	3	3
50115C	1001 BOUL MAISONNEUVE O.	0	---	---	---	---	---	---	---	---	---
50116R	3161 JOSEPH, VERDUN	0	---	---	---	---	---	---	---	---	---
50304C	QUEBEC, QUEBEC										
	325 DORCHESTER SUD	698	1.1	2	3	3	3	1	2	3	3
50306R	2026 BLVD. ST-CYRILLE	665	1.5	2	3	3	3	2	3	3	3
60101C	OTTAWA, ONT.										
	88 SLATER ST.	0	---	---	---	---	---	---	---	---	---
60104C	RIDEAU & WURTEMBERG	713	1.1	2	3	3	3	1	2	2	2
60105R	NRC, MONTREAL ROAD	562	0.6	1	2	2	2	1	2	2	2
60204C	WINDSOR, ONT.										
	471 UNIVERSITY AVENUE	572	0.8	1	2	2	5	1	1	2	2
60402R	TORONTO, ONT.										
	DON MILLS, SCIENCE CNTR	0	---	---	---	---	---	---	---	---	---
60403I	EVANS & ARNOLD	721	0.8	1	2	2	2	1	2	2	2
60410R	LAWRENCE & KENNEDY	727	0.8	1	2	3	4	1	2	2	2
60413R	ELMCREST ROAD	0	---	---	---	---	---	---	---	---	---
60414I	SHERBOURNE & WILTON ST.	709	0.7	1	2	3	4	1	2	2	2
60415R	QUEENSWAY W & HURONTARIO	0	---	---	---	---	---	---	---	---	---
60417C	26 BREADALBANE STREET	726	0.8	1	2	3	4	1	2	2	2
60501C	HAMILTON, ONT.										
	BARTON & SANFORD	713	1.1	2	2	3	6	2	2	2	2
60502R	SUDBURY, ONT.										
	ASH STREET	727	---	0	0	0	1	0	0	0	0
60706I	SAULT STE. MARIE, ONT.										
	FARWELL PUMP HOUSE	644	1.0	1	3	3	3	2	3	3	3
60806R	THUNDER BAY, ONT.										
	435 JAMES S.	0	---	---	---	---	---	---	---	---	---
60901C	LONDON, ONT.										
	KING & RECTORY	717	1.2	2	3	3	4	1	2	2	3
61004R	SARNIA, ONT.										
	FRONT ST. AT C.N. TRACKS	724	1.3	2	3	3	4	2	2	3	3
61201R	CORNWALL, ONT.										
	MEMORIAL PARK	705	1.5	2	3	4	5	2	3	3	3
61301C	ST. CATHARINES, ONT.										
	NORTH ST. & GENEVA ST.	717	1.4	2	3	3	3	2	2	3	3
61501C	KITCHENER, ONT.										
	EDNA & FREDERICK	0	---	---	---	---	---	---	---	---	---
61602R	OAKVILLE, ONT.										
	BRONTE AND WOBURN CRES.	653	1.2	2	3	3	3	2	2	2	2
61701R	OSHAWA, ONT.										
	RITSON RD. & OLIVE AVE.	725	1.4	2	3	3	4	2	3	3	3
70118R	WINNIPEG, MAN.										
	JEFFERSON & SCOTIA	700	0.6	1	1	2	2	1	1	1	1
70119C	65 ELLEN STREET	655	0.8	1	2	3	4	1	2	3	3
80109C	REGINA, SASK.										
	1620 ALBERT STREET	739	2.1	3	4	10	19	3	4	4	4
90122R	EDMONTON, ALTA.										
	127 ST. & 133 AVENUE	714	1.2	2	3	3	4	2	3	3	3
90130C	10255 - 104TH STREET	708	0.8	1	2	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.

OZONE PARTS PER HUNDRED MILLION		DECEMBER - DECEMBRE 1983				OZONE PARTIES PAR CENT MILLIONS							
STATION	LOCATION	NUMBER OF HOURLY SAMPLES NOMBRE DE DONNEES HORAIRES	MONTHLY MEAN MOYENNE MENSUELLE	FREQUENCY DISTRIBUTIONS - CENTILES - INTERVALS - INTERVALLES				DISTRIBUTIONS DES FREQUENCES MEANS ---- MOYENNES					
	EMPLACEMENT			1-HOUR / HEURE				24-HOUR / HEURES					
				70	95	99	MAX	70	95	99	MAX		
CALGARY, ALTA.													
90222R	39 ST. & 29 AVE. N.W.	703	1.4	2	3	4	4	2	3	3	3		
90227C	1611-4TH STREET S.W.	711	***	1	1	2	2	1	1	1	1		
VANCOUVER, B.C.													
00106R	2294 WEST 10TH AVENUE	665	***	0	2	3	4	0	1	1	1		
00108I	250 WEST 70TH AVENUE	685	***	0	2	3	3	0	1	2	2		
00110R	E. HASTINGS & KENSINGTON	337	---	2	3	3	3	2	2	3	3		
00111I	ROCKY PT. PARK	496	***	0	2	4	4	0	2	3	3		
00112C	ROBSON/HORNEY	417	***	0	0	1	1	0	0	0	0		
VICTORIA, B.C.													
00302C	1250 QUADRA ST.	710	1.6	2	4	4	4	2	3	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
 1963

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	7405 CHAMPAGNEUR	0	----	----	----	----	----	----	----	----	----
50103R	POINTE-AUX-TREMBLES	367	0.30	0.3	0.7	1.0	1.4	0.4	0.5	0.7	0.7
50109C	DUNCAN & DECARIE	0	----	----	----	----	----	----	----	----	----
50110C	PARC PILON, MTL.-NORD	361	0.37	0.4	1.0	1.6	1.9	0.5	0.8	1.0	1.0
50115C	1001 BOUL MAISONNEUVE O.	0	----	----	----	----	----	----	----	----	----
50116R	3161 JOSEPH, VERDUN	48	----	0.3	0.6	0.9	0.9	0.3	0.4	0.4	0.4
HULL, QUEBEC											
50203R	GAMBLIN & JOFFRE	0	----	----	----	----	----	----	----	----	----
TROIS-RIVIERES, QUEBEC											
50801R	HART & STE-CECILE	348	0.18	0.2	0.4	0.5	0.9	0.2	0.3	0.3	0.4
SHAWINIGAN, QUEBEC											
51201I	FRIGON & LAVAL	299	0.18	0.2	0.5	0.9	1.0	0.2	0.4	0.5	0.5
OTTAWA, ONT.											
60101C	88 SLATER ST.	0	----	----	----	----	----	----	----	----	----
60104C	RIDEAU & WURTEMBERG	669	(1) 0.28	0.3	0.7	1.3	2.2	0.3	0.5	1.0	1.0
WINDSOR, ONT.											
60204C	471 UNIVERSITY AVENUE	721	(1) 0.54	0.6	1.1	1.7	2.7	0.6	0.8	1.1	1.1
60211R	COLLEGE & PRINCE	723	(1) 0.51	0.6	1.1	1.5	2.2	0.6	0.9	1.0	1.0
TORONTO, ONT.											
60403I	EVANS & ARNOLD	717	(1) 0.40	0.5	0.9	1.3	1.7	0.5	0.7	0.8	0.8
60410R	LAWRENCE & KENNEDY	726	(1) 0.34	0.4	0.8	1.2	1.5	0.4	0.7	0.9	0.9
60412R	BATHURST & WILSON	694	(1) 0.53	0.6	1.4	1.9	2.2	0.6	1.1	1.4	1.5
60414I	SHERBOURNE & WILTON ST.	728	(1) 0.47	0.6	0.9	1.2	1.4	0.6	0.7	0.9	1.0
60417C	26 BREADALBANE STREET	726	(1) 0.47	0.6	0.9	1.2	1.5	0.5	0.8	0.9	0.9
HAMILTON, ONT.											
60501C	BARTON & SANFORD	720	(1) 0.42	0.5	0.9	1.4	1.9	0.5	0.7	0.8	0.9
60505R	NORTH PARK	723	(1) 0.58	0.7	1.3	2.0	2.4	0.7	1.1	1.4	1.4
SUDBURY, ONT.											
60602R	ASH STREET	725	(1) 0.16	0.2	0.6	1.2	2.3	0.2	0.6	0.9	0.9
LONDON, ONT.											
60901C	KING & RECTORY	721	(1) 0.28	0.3	0.6	0.9	2.1	0.3	0.5	0.6	0.6
SARNIA, ONT.											
61004R	FRONT ST. AT C.N. TRACKS	722	(1) 0.34	0.4	0.8	1.0	2.2	0.4	0.7	0.9	1.0
CORNWALL, ONT.											
61201R	MEMORIAL PARK	720	(1) 0.21	0.3	0.6	0.9	1.1	0.3	0.4	0.6	0.6
ST. CATHARINES, ONT.											
61301C	NORTH ST. & GENEVA ST.	665	(1) 0.19	0.3	0.6	0.8	1.3	0.2	0.4	0.5	0.6
OAKVILLE, ONT.											
61602R	BRONTE AND WOBURN CRES.	725	(1) 0.30	0.4	0.7	1.1	1.3	0.4	0.6	0.7	0.8
OSHAWA, ONT.											
61701R	RITSON RD. & OLIVE AVE.	727	(1) 0.35	0.4	0.8	1.4	2.1	0.4	0.7	1.1	1.2
WINNIPEG, MAN.											
70118R	JEFFERSON & SCOTIA	336	****	0.1	0.2	0.3	0.3	0.1	0.2	0.2	0.2
70119C	65 ELLEN STREET	366	0.18	0.2	0.4	0.7	1.1	0.2	0.4	0.5	0.5
70120R	604 ST. MARY'S RD.	364	****	0.0	0.2	0.3	0.3	0.1	0.1	0.2	0.2
EDMONTON, ALTA.											
90122R	127 ST. & 133 AVENUE	744	(1) 0.37	0.4	1.1	1.9	2.0	0.5	0.9	1.2	1.2
90130C	10255 - 104TH STREET	739	(1) 0.31	0.3	0.7	1.2	1.7	0.4	0.6	0.7	0.7
CALGARY, ALTA.											
90218I	BONNY BRK & 18A ST. S.E.	718	(1) 0.42	0.5	1.1	1.9	2.8	0.5	0.8	1.5	1.5
90222R	39 ST. & 29 AVE. N.W.	744	(1) 0.16	0.2	0.6	0.9	1.3	0.2	0.3	0.5	0.5
90227C	1611-4TH STREET S.W.	744	(1) 0.34	0.4	0.9	1.6	2.3	0.4	0.6	0.9	0.9
VANCOUVER, B.C.											
00102R	100 RICHMOND STREET	372	0.50	0.7	1.1	1.5	1.8	0.6	0.9	1.0	1.0
00106R	2294 WEST 10TH AVENUE	372	0.43	0.6	1.0	1.4	2.1	0.5	0.8	0.9	1.0
00108I	250 WEST 70TH AVENUE	0	----	----	----	----	----	----	----	----	----
00110R	E. HASTINGS & KENSINGTON	67	----	0.4	1.0	1.2	1.2	0.4	0.6	0.6	0.6
00111I	ROCKY PT. PARK	266	0.44	0.6	1.0	1.1	1.3	0.6	0.8	0.8	0.8
00112C	ROBSON/HORNBY	0	----	----	----	----	----	----	----	----	----
PRINCE GEORGE, B.C.											
00202C	1011 4TH AVENUE	372	0.41	0.5	1.1	1.5	1.8	0.5	0.8	1.1	1.1

 (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.

SOILING INDEX
COH UNITS PER 1000 LINEAR FT.

DECEMBER - DECEMBRE
1983

INDICE DE SOILLURE
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		2-HOUR / HEURES		MEANS ----- MOYENNES		24-HOUR / HEURES	
				70	95	99	MAX	70	95	99	MAX
00302C	VICTORIA, B.C. 1250 QUADRA ST.	372	****	0.1	0.2	0.3	0.4	0.1	0.1	0.1	0.1
09001C	WHITEHORSE, YUKON FEDERAL BUILDING	204	0.37	0.5	1.1	1.4	2.4	0.5	0.8	0.9	0.9

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

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

SUSPENDED PARTICULATE MATTER AND LEAD
MICROGRAMS PER CUBIC METREDECEMBER - DECEMBRE
1983PLOMB ET PARTICULES EN SUSPENSION
MICROGRAMMES PAR METRE CUBE

STATION	LOCATION EMPLACEMENT	*----- PARTICULATES / PARTICULES -----*						*----- LEAD / PLOMB -----*					
		----- DAY / JOUR -----					MEAN MOYENNE	*----- DAY / JOUR -----*					MEAN MOYENNE
		2	8	14	20	26		2	8	14	20	26	
10101C	ST. JOHN'S, Nfld. DUCKWORTH & ORDINANCE	31	44	33	27	46	36	0.5	0.2	0.2	0.1	0.1	0.2
20101C	CHARLOTTETOWN, P.E.I. 56 FITZROY ST.	-	-	-	-	-	-	-	-	-	-	-	-
30101C	HALIFAX, N.S. N.S. TECHNICAL COLLEGE	57	54	-	-	60	57	0.1	0.1	-	-	0.0	0.1
30102R	DALHOUSIE UNIVERSITY	17	20	-	-	12	16	0.2	0.0	-	-	0.0	0.1
30114R	MT ST VINCENT UNIVERSITY	-	16	6	13	-	12	-	0.0	0.0	0.0	-	0.0
30115I	CFB SHEARWATER	26	16	8	22	-	18	0.0	0.0	0.0	0.1	-	0.0
30310C	SYDNEY, N.S. COUNTY JAIL	61	70	21	44	18	43	0.7	0.4	0.2	0.1	0.2	0.3
30311R	WHITNEY PIER FIRE STN.	87	87	51	73	68	73	0.7	0.3	0.2	0.1	0.1	0.3
30408R	GLACE BAY, N.S. SOUTH STREET	41	-	-	-	-	-	0.1	-	-	-	-	-
40102C	FREDERICTON, N.B. YORK STREET	82	30	17	18	16	33	0.5	0.2	0.3	0.2	0.1	0.2
40201C	SAINT JOHN, N.B. 110 CHARLOTTE STREET	38	32	22	16	40	30	0.2	0.1	0.2	0.2	0.0	0.1
50102R	MONTREAL, QUEBEC JARDIN BOTANIQUE	63	42	-	38	54	49	0.5	0.2	-	0.2	0.2	0.3
50103R	POINTE-AUX-TREMBLES	57	40	26	48	36	41	-	-	-	-	-	-
50104C	1125 ONTARIO EST	68	25	43	36	48	44	0.6	0.4	0.8	0.6	0.2	0.5
50108R	1700 BOURASSA, LONGUEUIL	58	55	36	35	-	46	0.1	0.2	0.2	0.2	-	0.2
50109C	DUNCAN & DECARIE	190	114	-	210	114	157	1.3	1.5	-	1.6	0.5	1.2
50110C	PARC PILON, MTL.-NORD	45	46	41	45	75	50	-	-	-	-	-	-
50112C	BOUL. LAURENTIDES	41	34	37	36	39	37	0.1	0.2	0.3	0.3	0.1	0.2
50113R	PIE X & CARDINAL	28	19	31	26	25	26	0.2	0.1	0.1	0.2	0.0	0.1
50116R	3161 JOSEPH, VERDUN	42	36	33	41	31	37	0.5	0.8	0.3	0.4	0.1	0.4
50203R	HULL, QUEBEC GAMBLIN & JOFFRE	-	40	19	-	19	26	-	0.5	0.4	-	0.1	0.3
50303I	QUEBEC, QUEBEC CENTRE LOISIRS LIMOILLOU	-	-	43	30	17	30	-	-	0.1	0.4	-	-
50304C	325 DORCHESTER SUD	39	22	33	34	22	30	-	-	-	-	-	-
50306R	2026 BLVD. ST-CYRILLE	-	-	50	-	-	-	-	-	0.8	-	-	-
50403C	SHERBROOKE, QUEBEC WELLINGTON & ALBERT	46	25	-	-	-	-	0.4	0.7	-	-	-	-
50502R	CHICOUTIMI, QUEBEC USINE DE FILTRATION	-	-	-	-	-	-	-	-	-	-	-	-
50503C	222 RACINE	-	-	45	196	-	-	-	-	1.5	-	-	-
50601C	ROUYN, QUEBEC HOTEL DE VILLE	28	18	31	-	-	26	0.2	0.3	1.5	-	-	0.7
50701C	SEPT-ILES, QUEBEC HOTEL DE VILLE	-	-	35	0	30	22	-	-	0.3	-	0.2	-
50801R	TROIS-RIVIERES, QUEBEC HART & STE-CECILE	60	-	-	-	-	-	0.3	-	-	-	-	-
50901R	ARVIDA, QUEBEC POWELL & HOOPES	42	32	109	48	-	58	0.4	0.2	0.2	-	-	0.3
51002R	TRACY, QUEBEC GARNEAU & RTE 132	46	32	-	31	74	46	0.2	0.1	-	0.2	0.2	0.2
51101C	THETFORD MINES, QUEBEC BOUL. STE-MARTHE	11	42	18	15	22	22	-	0.6	-	-	0.0	-
51201I	SHAWINIGAN, QUEBEC FRIGON & LAVAL	44	-	27	76	46	48	0.1	-	0.0	0.4	0.1	0.2
51301R	BAIE COMEAU, QUEBEC 39 AVE. MARGUERITE	-	-	8	7	0	5	-	-	-	-	-	-
60101C	OTTAWA, ONT. 88 SLATER ST.	60	90	26	94	31	60	0.3	0.5	0.4	0.3	0.1	0.3
60104C	RIDEAU & WURTEMBERG	-	-	21	47	-	-	-	-	0.3	0.3	-	-
60105R	NRC, MONTREAL ROAD	25	61	13	63	17	36	0.1	0.0	0.1	0.3	0.0	0.1
60201I	WINDSOR, ONT. MORTON TERMINAL DOCK	46	55	33	99	29	52	0.1	0.4	0.1	0.1	0.1	0.2
60202C	CITY HALL	46	50	-	-	-	-	0.2	0.5	-	-	-	-
60203R	TECUMSEH WATER WORKS	32	35	-	28	21	29	0.2	0.3	-	0.0	0.0	0.1
60204C	471 UNIVERSITY AVENUE	74	80	42	78	-	69	0.3	0.8	0.3	0.2	-	0.4
60301R	KINGSTON, ONT. QUEEN'S UNIVERSITY	-	-	-	-	-	-	-	-	-	-	-	-
60402R	TORONTO, ONT. DON MILLS, SCIENCE CNTR	54	43	23	45	45	42	0.3	0.4	0.3	0.4	0.1	0.3
60403I	EVANS & ARNOLD	56	71	36	99	-	66	0.3	1.0	0.5	1.1	-	0.7

SUSPENDED PARTICULATE MATTER AND LEAD
MICROGRAMS PER CUBIC METREDECEMBER - DECEMBRE
1983PLOMB ET PARTICULES EN SUSPENSION
MICROGRAMMES PAR METRE CUBE

STATION	LOCATION EMPLACEMENT	PARTICULATES / PARTICULES					LEAD / PLOMB				
		DAY / JOUR					DAY / JOUR				
		2	8	14	20	26	2	8	14	20	26
		MEAN MOYENNE					MEAN MOYENNE				
60409R	REDLANDS CRESCENT	39	45	13	47	44	0.0	0.0	0.0	0.0	0.0
60410R	LANRENCE & KENNEDY	48	83	40	49	54	0.5	0.7	0.2	0.4	0.1
60412R	BATHURST & WILSON	52	78	39	46	61	0.7	0.8	0.9	0.4	0.3
60413R	ELMCREST ROAD	32	52	28	79	46	0.1	0.5	0.3	0.5	0.1
60414I	SHERBOURNE & WILTON ST.	78	74	57	97	89	0.3	0.6	0.1	0.2	0.0
60415R	QUEENSWAY W & HURONTARIO	61	59	25	100	82	0.0	0.2	0.2	0.4	0.0
60417C	26 BREADALBANE STREET	44	60	58	58	49	0.3	0.5	0.3	0.4	0.1
HAMILTON, ONT.											
60501C	BARTON & SANFORD	-	85	66	70	83	-	0.6	0.8	0.3	0.2
60503I	CHATHAM & FRID	83	98	69	114	93	0.3	0.4	0.4	0.4	0.1
60505R	NORTH PARK	131	158	66	-	171	1.0	0.9	0.4	-	0.4
SUDBURY, ONT.											
60602R	ASH STREET	15	16	11	82	16	0.0	0.2	0.1	1.3	0.1
60605C	19 LISGAR STREET	22	28	-	101	18	0.2	0.3	-	1.8	0.1
SAULT STE. MARIE, ONT.											
60706I	PARWELL PUMP HOUSE	30	35	32	70	46	0.3	0.3	0.4	0.8	0.1
THUNDER BAY, ONT.											
60801C	14 ALGOMA STREET	24	37	10	25	17	0.4	0.2	0.1	0.4	0.1
60806R	435 JAMES S.	31	17	11	-	-	0.2	0.0	0.0	-	-
LONDON, ONT.											
60901C	KING & RECTORY	31	42	28	17	39	0.3	0.7	0.2	0.2	0.1
60902C	372 DUNDAS	31	33	30	55	45	0.3	0.6	0.3	0.2	0.0
SARNIA, ONT.											
61004R	FRONT ST. AT C.N. TRACKS	71	60	24	82	-	0.1	0.3	0.2	0.3	-
PETERBOROUGH, ONT.											
61103C	500 GEORGE STREET	45	29	20	126	35	0.5	0.6	0.2	0.6	0.1
CORNWALL, ONT.											
61201R	MEMORIAL PARK	-	-	12	22	-	-	-	0.2	0.3	-
ST. CATHARINES, ONT.											
61301C	NORTH ST. & GENEVA ST.	48	43	58	55	76	-	0.2	0.4	0.2	0.1
KITCHENER, ONT.											
61501C	EDNA & FREDERICK	33	29	37	209	36	0.3	0.3	1.4	2.2	0.1
OAKVILLE, ONT.											
61602R	BRONTE AND WOBURN CRES.	75	71	34	72	117	0.3	0.3	0.2	0.4	0.1
OSHAWA, ONT.											
61701R	RITSON RD. & OLIVE AVE.	44	59	37	45	12	0.3	0.4	0.4	0.3	0.0
GUELPH, ONT.											
61801C	FARQUHAR & WYNDEHAM	32	40	15	49	32	0.1	0.3	0.1	0.2	0.0
WINNIPEG, MAN.											
70102R	PORTAGE & WOODLAWN	20	36	13	18	16	0.2	0.2	0.1	0.1	0.2
70104I	UNION STOCK YARDS	75	60	10	43	48	0.2	0.2	0.1	0.2	0.1
70118R	JEFFERSON & SCOTIA	26	24	16	54	15	0.3	0.2	0.2	0.2	0.1
70119C	65 ELLEN STREET	54	34	20	33	19	0.3	0.2	0.2	0.3	0.1
70120R	604 ST. MARY'S RD.	35	42	13	35	17	0.2	0.1	0.1	0.2	0.1
BRANDON, MAN.											
70201C	11TH ST. & PRINCESS AVE.	35	43	21	18	5	0.2	0.2	0.2	0.1	0.1
REGINA, SASK.											
80102R	3211 ALBERT STREET	15	21	15	20	12	0.1	0.2	0.1	0.2	0.0
80109C	1620 ALBERT STREET	23	30	16	17	10	0.4	0.3	0.3	0.2	0.1
SASKATOON, SASK.											
80203R	30TH ST. & 833 P AVE.	16	21	45	14	13	0.1	0.1	0.2	0.2	0.1
80209C	IDYLWYLD DR. & 33RD ST.	15	49	42	26	15	0.2	0.3	0.2	0.3	0.1
MOOSE JAV, SASK.											
80301C	FAIRFORD ST. & 1ST AVE.	23	36	22	28	-	0.2	0.3	0.1	0.2	-
LLOYDMINSTER, SASK.											
80601C	44TH ST. & 48TH AVE.	14	16	29	19	11	0.2	0.3	0.2	0.2	0.1
EDMONTON, ALTA.											
90121I	17 STREET & 105 AVENUE	47	17	24	37	27	0.6	0.1	0.1	0.5	0.1
90122R	127 ST. & 133 AVENUE	51	72	14	14	32	0.8	1.2	0.2	0.5	0.1
90130C	10255 - 104TH STREET	34	-	-	-	-	0.7	-	-	-	-
CALGARY, ALTA.											
90204C	316-7TH AVENUE	98	54	39	17	45	0.8	0.3	0.4	0.3	0.2
90218I	BONNY BRK & 18A ST. S.E.	87	35	39	37	49	1.1	0.4	0.4	0.3	0.2
90222R	39 ST. & 29 AVE. N.W.	48	17	25	10	23	0.3	0.3	0.3	0.2	0.1
YELLOWKNIFE, N.W.T.											
99001C	50TH AVE. & 49TH STREET	-	-	-	-	-	-	-	-	-	-
VANCOUVER, B.C.											
00102R	100 RICHMOND STREET	-	49	49	-	39	-	0.5	1.3	-	0.4
00104R	27TH & ONTARIO	59	34	26	39	31	1.2	0.7	0.4	0.6	0.5

SUSPENDED PARTICULATE MATTER AND LEAD
MICROGRAMS PER CUBIC METRE

DECEMBER - DECEMBRE
1983

PLOMB ET PARTICULES EN SUSPENSION
MICROGRAMMES PAR METRE CUBE

STATION	LOCATION EMPLACEMENT	*----- PARTICULATES / PARTICULES -----*						*----- LEAD / PLOMB -----*					
		----- DAY / JOUR -----					MEAN	*----- DAY / JOUR -----*					MEAN
		2	8	14	20	26	MOYENNE	2	8	14	20	26	MOYENNE
00106R	2294 WEST 10TH AVENUE	-	-	26	28	29	28	-	-	0.3	0.6	0.4	0.4
00108I	250 WEST 70TH AVENUE	82	53	28	85	35	57	1.5	0.4	0.5	0.7	0.4	0.7
00109C	970 BURRARD	-	-	-	-	-	-	-	-	-	-	-	-
00110R	E. HASTINGS & KENSINGTON	52	19	30	22	15	28	0.9	0.4	0.7	0.3	0.2	0.5
00111I	ROCKY PT. PARK	66	45	-	-	-	-	1.4	1.2	-	-	-	-
00113I	AMNACIS ISLAND, DELTA	95	30	27	133	51	67	1.0	0.3	0.3	0.3	0.3	0.4
00114C	MUNICIPAL HALL, RICHMOND	121	28	22	55	56	56	1.9	0.5	0.3	0.9	0.8	0.9
00115R	NEWTON ELEM. SCH., SURREY	-	28	-	28	33	30	-	0.3	-	0.1	0.2	0.2
00116R	FIRE HALL, N. VANCOUVER	34	24	34	19	35	29	0.8	0.6	0.8	0.4	0.5	0.6
00117R	BCIT BURNABY	80	31	40	28	29	42	2.2	0.7	1.3	0.6	0.5	1.0
00202C	PRINCE GEORGE, B.C. 1011 4TH AVENUE	54	70	29	49	-	51	0.2	0.2	0.1	0.1	-	0.1
00302C	VICTORIA, B.C. 1250 QUADRA ST.	47	31	70	72	42	52	1.2	0.5	1.7	0.4	0.3	0.8
00401C	KAMLOOPS, B.C. 301 SEYMOUR ST.	-	-	-	-	-	-	-	-	-	-	-	-
00601C	PENTICTON, B.C. 400 CARMICHAEL AVE.	45	95	30	21	16	41	0.2	0.1	0.4	0.1	0.1	0.2
09001C	WHITEHORSE, YUKON FEDERAL BUILDING	19	-	26	17	32	24	0.4	-	0.4	0.4	0.3	0.4

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

DECEMBER - DECEMBRE
1983

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

STATION	LOCATION EMPLACEMENT	*----- DAY / JOUR -----*				
		2	8	14	20	25
10101C	ST. JOHN'S, Nfld. DUCKWORTH & ORDINANCE	1	-	-	0	1
20101C	CHARLOTTETOWN, P.E.I. 56 FITZROY ST.	-	-	-	-	-
30114R	HALIFAX, N.S. MT ST VINCENT UNIVERSITY	-	0	0	0	-
30115Z	CBS SHEARWATER	0	0	0	1	-
30310C	SYDNEY, N.S. COUNTY JAIL	-	2	0	-	-
30311R	WHITNEY PIER FIRE STN.	-	-	-	-	-
30408R	GLACE BAY, N.S. SOUTH STREET	-	-	-	-	-
50102R	MONTREAL, QUEBEC JARDIN BOTANIQUE	2	-	-	2	1
50103R	POINTE-AUX-TREMBOLES	2	3	0	1	2
50104C	1125 ONTARIO EST	1	1	1	1	1
50108R	1700 BOURASSA, LONGUEUIL	0	0	0	0	-
50109C	DUNCAN & DECARIE	-	-	-	-	-
50110C	PARC PILON, MTL.-NORD	-	1	-	2	2
50112C	BOUL. LAURENTIDES	0	0	-	0	0
50113R	PIE X & CARDINAL	-	-	-	1	1
50115R	3161 JOSEPH, VERDUN	-	1	0	0	0
50203R	HULL, QUEBEC GAMBLIN & JOFFRE	-	-	-	-	-
50303I	QUEBEC, QUEBEC CENTRE LOISIRS LIMOULOU	-	-	2	1	0
50304C	325 DORCHESTER SUD	0	0	1	1	1
50306R	2026 BLVD. ST-CYRILLE	-	-	-	-	-
50601C	ROUIN, QUEBEC HOTEL DE VILLE	-	0	0	-	-
50701C	SEPT-ILES, QUEBEC HOTEL DE VILLE	-	-	0	0	0
50801R	TROIS-RIVIERES, QUEBEC HART & STE-CECILE	1	-	-	-	-
50901R	ARVIDA, QUEBEC POWELL & HOOPES	0	1	18	0	-
51201I	SEAWINGAN, QUEBEC FRIGON & LAVAL	1	-	1	4	1
51301R	BAIE COMEAU, QUEBEC 39 AVE. MARGUERITE	-	-	-	-	-
60101C	OTTAWA, ONT. 38 SLATER ST.	3	-	-	0	0
60104C	RIDEAU & WUTENBURG	-	-	0	2	-
60105R	NRC, MONTREAL ROAD	0	1	0	-	-
60201I	WINDSOR, ONT. MORTON TERMINAL DOCK	-	-	-	-	-
60204C	271 UNIVERSITY AVENUE	5	4	1	1	-
60402R	TORONTO, ONT. DON MILLS, SCIENCE CNTR	-	-	-	-	-
60403I	EVANS & ARNOLD	0	2	0	3	-
60409R	REDLANDS CRESCENT	-	-	-	-	-
60410R	LAWRENCE & KENNEDY	1	3	-	1	-
60412R	BATHURST & WILSON	1	2	1	1	0
60413R	ELMCREST ROAD	-	-	-	-	-
60414I	SHERBOURNE & WILTON ST.	4	1	1	4	4
60415R	QUEENSWAY W & HURONTARIO	1	1	0	3	-
60417C	26 BREADALEANE STREET	2	2	0	2	0
60501C	HAMILTON, ONT. BARTON & SAMPFORD	-	1	2	6	0
60505R	NORTH PARK	11	10	0	-	14
60602R	SUDBURY, ONT. ASH STREET	0	1	0	9	0
60706I	SAULT STE. MARIE, ONT. FARWELL PUMP HOUSE	0	0	1	4	2
60806R	THUNDER BAY, ONT. 435 JAMES S.	0	0	0	-	-
60901C	LONDON, ONT. KING & RECTORY	1	1	0	0	0

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

DECEMBER - DECEMBRE
1983

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

STATION	LOCATION EMPLACEMENT	*----- DAY / JOUR -----*				
		2	8	14	20	26
61004R	SARNIA, ONT. FRONT ST. AT C.N. TRACKS	3	1	0	0	-
61103C	PETERBOROUGH, ONT. 500 GEORGE STREET	0	-	-	-	-
61201R	CORNWALL, ONT. MEMORIAL PARK	-	-	0	0	-
61301C	ST. CATHARINES, ONT. NORTH ST. & GENEVA ST.	0	0	0	1	2
61501C	KITCHENER, ONT. EDNA & FREDERICK	-	-	-	-	-
61602R	OAKVILLE, ONT. BRONTE AND WOBURN CRES.	2	1	0	4	9
61701R	OSHAWA, ONT. RITSON RD. & OLIVE AVE.	1	1	0	1	0
61801C	GUELPH, ONT. FARQUHAR & WYNDHAM	0	0	0	0	0
70118R	WINNIPEG, MAN. JEFFERSON & SCOTIA	0	0	0	0	0
70119C	65 ELLEN STREET	0	0	0	1	-
70120R	604 ST. MARY'S RD.	0	0	0	0	0
80109C	REGINA, SASK. 1620 ALBERT STREET	0	0	0	-	-
80209C	SASKATOON, SASK. IDYLYLD DR. & 33RD ST.	0	0	-	0	0
90121I	EDMONTON, ALTA. 17 STREET & 105 AVENUE	0	0	0	0	0
90218I	CALGARY, ALTA. BONNY BRK & 18A ST. S.E.	0	0	1	0	0
00106R	VANCOUVER, B.C. 2294 WEST 10TH AVENUE	-	-	0	0	1
00110R	E. HASTINGS & KENSINGTON	1	-	-	-	-
00111I	ROCKY PT. PARK	0	0	-	-	-
00302C	VICTORIA, B.C. 1250 QUADRA ST.	1	1	2	1	1
00401C	KAMLOOPS, B.C. 301 SEYMOUR ST.	-	-	-	-	-

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

DECEMBER - DECEMBRE
1983

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

STATION	LOCATION EMPLACEMENT	DUSTFALL RETOMBÉES DE POUSSIÈRES	SO3
30301R	SYDNEY, N.S. MURPHY ROAD	-	- **
30309I	FT EDWARD, RICHMOND PLST	-	- **
30310C	COUNTY JAIL	2.2	- **
30311R	WHITNEY PIER FIRE STN.	4.8	- **
30401R	GLACE BAY, N.S. LAKE ROAD	-	- **
30405C	GENERAL HOSPITAL	-	- **
50101R	MONTREAL, QUEBEC 7405 CHAMPAGNEUR	1.0	-
50102R	JARDIN BOTANIQUE	2.0	- *
50103R	POINTE-AUX-TREMBLES	-	-
60403I	TORONTO, ONT. EVANS & ARNOLD	2.0	-
60404R	5126 YONGE STREET	2.5	-
60405I	JOHN STREET PUMP STATION	6.1	-
60406R	ROSEHILL RESERVOIR	2.6	-
60408C	DANFORTH & ROBINSON	4.8	-
60501C	HAMILTON, ONT. BARTON & SANFORD	3.2	-
60502I	BURLINGTON & GAGE	7.9	-
60503I	CHATHAM & FRID	5.7	-
60507C	HUGHSON & HUNTER	4.0	-
60510I	STRATHEARN	22.7	-
60702R	SAULT STE. MARIE, ONT. ANNA MCREA PUBLIC SCHOOL	1.5	-
60703I	BAYVIEW & YOUNG	-	-
60901C	THUNDER BAY, ONT. 14 ALGOMA STREET	1.6	-
70105R	WINNIPEG, MAN. MARTIN & HENDERSON HWY	3.3	0.1 **
70110C	KENNEDY & ST. MARY'S	4.4	-
70113I	WINDERMERE & ROCKMAN	3.0	0.1 **
70115C	PORTAGE & MINTO	5.0	0.0 **
70116I	SMITH & KING	11.4	0.2 **
90125C	EDMONTON, ALTA. PRINS ELIZABETH & 108 ST	3.4	0.1 **
90126R	77 AVENUE & 85 STREET	2.3	0.1 **
90127I	115 AVENUE & 159 STREET	4.1	0.1 **
90128R	99 AVENUE & 160 STREET	3.9	0.1 **
90219C	CALGARY, ALTA. 620-7TH AVENUE, S.W.	1.6	0.2 **
90221R	DALHOUSIE DR & DALHAM DR	1.8	0.1 **
90223C	11 ST. & 38 AVE. S.E.	3.4	0.1 **
90224I	OGDENDALE & 71 AVE S.E.	1.1	0.2 **
90225R	PALLISER DR & OAKWOOD SW	-	0.1 **
90226I	SHEPPARD & 84 AVE S.E.	2.2	0.1 **

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

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