



Environment
Canada
Environmental
Protection
Service

Environnement
Canada
Service de la
protection de
l'environnement

Monthly Summary March 1983

National Air Pollution Surveillance

Surveillance nationale de la pollution atmosphérique

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Surveillance Report
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Environmental Protection
Programs Directorate

Rapport de surveillance
EPS 5-EP-83-3

Direction générale des programmes
de protection de l'environnement

Canada

SULPHUR DIOXIDE
PARTS PER HUNDRED MILLIONMARCH - MARS
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		1-HOUR / HEURE		24-HOUR / HEURES			
				70	95	99	MAX	70	95	99	MAX
10101C	ST. JOHN'S, NPLD. DUCKWORTH & ORDINANCE	640	***	1	2	5	11	1	2	4	4
20101C	CHARLOTTETOWN, P.E.I. 56 FITZROY ST.	500	1.0	1	3	5	10	1	3	3	3
30114R	HALIFAX, N.S. MT ST VINCENT UNIVERSITY	233	---	0	1	1	1	0	1	1	1
30115I	CPB SHEARWATER	451	***	0	5	8	9	1	3	3	3
30116C	BARRINGTON & DUKE	585	1.6	2	4	6	8	2	3	4	4
30310C	SYDNEY, N.S. COUNTY JAIL	665	***	1	2	4	6	1	2	2	2
30311R	WHITNEY PIER FIRE STN.	149	---	2	4	5	5	2	3	3	3
30408R	GLACE BAY, N.S. SOUTH STREET	572	***	1	5	9	22	1	3	4	4
40202C	SAINT JOHN, N.B. POST OFFICE	713	***	0	2	4	6	0	2	2	2
50101R	MONTREAL, QUEBEC 7405 CHAMPAGNEUR	744	1.9	2	5	8	13	2	4	5	5
50102R	JARDIN BOTANIQUE	708	1.2	1	5	7	14	1	4	5	6
50103R	POINTE-AUX-TREMBLES	690	***	1	3	9	13	1	2	4	4
50104C	1125 ONTARIO EST	732	***	1	2	3	4	1	1	2	2
50105R	VILLE ST-LAURENT	744	***	1	2	5	7	1	2	3	4
50108R	1700 BOURASSA, LONGUEUIL	516	***	1	1	2	2	1	1	1	1
50109C	DUNCAN & DECARIE	690	1.7	2	5	10	13	2	4	7	7
50110C	PARC PILON, MTL.-NORD	744	1.2	1	3	4	10	1	2	3	3
50112C	BOUL. LAURENTIDES	563	***	1	2	4	7	1	2	2	2
50113R	PIE X & CARDINAL	521	***	1	2	3	6	1	1	2	2
50115C	1001 BOUL MAISONNEUVE O.	738	1.1	1	4	8	12	1	3	5	5
50116R	3151 JOSEPH, VERDUN	741	***	0	1	2	3	0	1	1	1
50203R	HULL, QUEBEC GAMBLIN & JOFFRE	544	1.2	1	3	4	7	1	3	4	4
50303I	QUEBEC, QUEBEC CENTRE LOISIRS LIMOILLOU	605	3.6	4	10	27	34	5	8	15	16
50304C	325 DORCHESTER SUD	673	2.5	2	11	27	35	3	7	11	11
50306R	2026 BLVD. ST-CYRILLE	637	***	1	3	6	25	1	3	4	4
50501C	ROUYN, QUEBEC HOTEL DE VILLE	688	2.4	1	16	37	53	2	11	13	15
50701C	SEPT-ILES, QUEBEC HOTEL DE VILLE	636	***	0	1	2	3	0	1	1	1
50801R	TROIS-RIVIERES, QUEBEC HARD & STE-CECILE	634	2.8	3	9	11	14	3	8	9	9
50901R	ARVIDA, QUEBEC SCWELL & HOOPES	583	2.7	2	11	15	17	4	11	13	13
51001R	TRACY, QUEBEC 1225 AVE COURSMESNE	246	---	1	2	4	6	1	1	2	2
51201I	SHAWINIGAN, QUEBEC PRISON & LAVAL	645	2.8	2	12	20	31	4	8	10	11
51301R	BAIE COMEAU, QUEBEC 39 AVE. MARGUERITE	542	4.5	2	28	48	57	4	24	31	33
60101C	OTTAWA, ONT. 88 SLATER ST.	660	***	1	2	3	5	1	1	1	1
60104C	RIDEAU & WURTEMBERG	732	***	0	2	3	5	0	1	2	2
60105R	NRC, MONTREAL ROAD	554	***	1	2	3	5	1	1	2	2
60201I	WINDSOR, ONT. MORTON TERMINAL DOCK	725	***	1	2	4	6	1	2	2	2
60204C	471 UNIVERSITY AVENUE	721	***	0	3	5	7	1	2	3	3
60211R	COLLEGE & PRINCE	734	***	1	2	5	8	1	2	3	3
60402R	TORONTO, ONT. DON MILLS, SCIENCE CNTR	648	***	1	2	4	4	1	2	2	2
60403I	EVANS & ARNOLD	727	***	0	2	4	5	0	2	2	3
60409R	REDLANDS CRESCENT	250	---	1	3	4	5	1	3	4	4
60410R	LAWRENCE & KENNEDY	712	***	0	2	3	5	0	2	3	3
60412R	BATHURST & WILSON	731	***	0	2	4	7	0	2	3	3
60413R	ELMCREST ROAD	462	***	1	2	3	3	1	2	2	2
60414I	SHERBOURNE & WILTON ST.	721	***	1	3	4	4	1	2	3	4
60415R	QUEENSWAY W & HURONTARIO	740	***	1	2	3	13	1	2	2	2
60417C	26 BREADALEANE STREET	734	***	0	2	4	8	0	2	3	3

*** 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 MILLIONMARCH - MARS
1983DIOXIDE 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	726	1.5	2	4	8	11	2	4	4	5
60505R	NORTH PARK	731	***	0	2	3	6	1	1	2	2
60602R	SUDBURY, ONT. ASH STREET	734	***	0	2	4	11	0	2	2	2
60606C	KENNEDY STREET	734	***	0	2	8	19	0	2	4	4
60704C	SAULT STE. MARIE, ONT. QUEEN & ELGIN	0	---	-	-	-	-	-	-	-	-
60806R	THUNDER BAY, ONT. 435 JAMES S.	740	***	0	0	0	2	0	0	0	0
60901C	LONDON, ONT. KING & RECTORY	722	***	1	2	3	6	1	1	2	2
61004R	SARNIA, ONT. FRONT ST. AT C.N. TRACKS	728	***	1	2	4	11	1	2	2	2
61103C	PETERBOROUGH, ONT. 500 GEORGE STREET	60	---	1	1	2	2	1	1	1	1
61201R	CORNWALL, ONT. MEMORIAL PARK	725	***	1	3	6	13	1	2	3	3
61301C	ST. CATHARINES, ONT. NORTH ST. & GENEVA ST.	726	***	0	2	3	4	0	1	2	2
61501C	KITCHENER, ONT. EDNA & FREDERICK	735	***	0	1	2	3	0	1	1	1
61602R	OAKVILLE, ONT. BRONTE AND WOBURN CRES.	693	***	0	1	2	3	0	1	1	2
61701R	OSHAWA, ONT. RITSON RD. & OLIVE AVE.	731	***	0	2	4	7	0	1	3	4
61801C	GUELPH, ONT. FARQUHAR & WYNDHAM	737	***	0	2	3	13	0	1	2	2
70118R	WINNIPEG, MAN. JEFFERSON & SCOTIA	700	***	0	0	1	2	0	0	0	0
70119C	65 ELLEN STREET	706	***	0	0	1	5	0	0	1	1
70120R	604 ST. MARY'S RD.	711	***	0	1	2	3	0	1	2	2
80109C	REGINA, SASK. 1620 ALBERT STREET	570	***	0	0	0	2	0	0	0	0
80209C	SASKATOON, SASK. IDYLWYLD DR. & 33RD ST.	540	***	0	0	0	0	0	0	0	0
80301C	MOOSE JAW, SASK. FAIRFORD ST. & 1ST AVE.	569	***	0	0	0	0	0	0	0	0
80401C	PRINCE ALBERT, SASK. 1257-1ST AVE. EAST	686	***	0	0	0	1	0	0	0	0
90121I	EDMONTON, ALTA. 17 STREET & 105 AVENUE	700	***	0	0	1	1	0	0	0	0
90218I	CALGARY, ALTA. BONNY BRK & 18A ST. S.E.	701	***	0	1	2	4	0	1	1	1
00106R	VANCOUVER, B.C. 2294 WEST 10TH AVENUE	725	***	0	1	1	1	0	1	1	1
00110R	E. HASTINGS & KENSINGTON	623	***	0	1	2	3	0	1	1	1
00111I	ROCKY PT. PARK	710	***	0	1	1	2	0	0	0	1
00112C	ROBSON/HORNEY	682	***	0	1	1	3	0	0	1	1
00302C	VICTORIA, B.C. 1106 COOK ST.	209	---	1	1	2	2	0	1	1	1
00401C	KAMLOOPS, B.C. 301 SEYMOUR ST.	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 MILLIONMARCH - MARS
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															
				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	70	95	99	MAX
10101C	ST. JOHN'S, NPLD. DUCKWORTH & ORDINANCE	0	---	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30116C	HALIFAX, N.S. BARRINGTON & DUKE	0	---	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
40202C	SAINT JOHN, N.B. POST OFFICE	744	1.7	2	4	7	12	2	4	4	5	2	3	3	3				
	MONTREAL, QUEBEC																		
50102R	JARDIN BOTANIQUE	744	0.8	1	2	3	3	1	2	3	3	1	2	2	2				
50103R	POINTE-AUX-TREMBLES	626	1.0	1	2	3	4	1	2	2	2	1	2	2	2				
50104C	1125 ONTARIO EST	637	1.6	2	3	5	6	2	3	4	5	2	3	4	4				
50108R	1700 BOURASSA, LONGUEUIL	726	1.1	1	2	4	7	1	2	3	3	1	2	2	2				
50109C	DUNCAN & DECARIE	744	1.4	2	4	7	11	2	4	6	6	2	3	4	4				
50110C	PARC PILON, MTL.-NORD	0	---	-	-	-	-	-	-	-	-	-	-	-	-				
50112C	BOUL. LAURENTIDES	697	0.7	1	2	4	6	1	2	3	4	1	2	2	3				
50113R	PIE X & CARDINAL	724	0.9	1	2	4	6	1	2	3	4	1	2	2	2				
50115C	1001 BOUL MAISONNEUVE O.	744	2.4	3	5	7	9	3	4	5	5	3	3	4	4				
50116R	3161 JOSEPH, VERDUN	744	0.7	1	2	2	4	1	2	2	2	1	1	1	2				
	HULL, QUEBEC																		
50203R	GAMELIN & JOFFRE	682	0.7	1	2	2	4	1	1	2	3	1	1	1	1				
	QUEBEC, QUEBEC																		
50304C	325 DORCHESTER SUD	726	1.2	1	3	5	11	1	3	5	6	1	2	4	4				
	OTTAWA, ONT.																		
60101C	88 SLATER ST.	728	2.1	3	5	8	10	3	5	6	6	3	4	4	4				
60104C	RIDEAU & WURTEMBERG	729	***	0	1	2	4	0	1	1	1	0	1	1	1				
	WINDSOR, ONT.																		
60204C	471 UNIVERSITY AVENUE	709	1.0	1	2	5	6	1	2	4	4	1	3	3	3				
	TORONTO, ONT.																		
60402R	DON MILLS, SCIENCE CNTR	711	1.9	2	4	6	7	2	4	5	6	2	3	4	5				
60403I	EVANS & ARNOLD	723	2.5	3	5	6	10	3	5	6	6	3	4	5	5				
60410R	LAWRENCE & KENNEDY	730	1.4	2	3	5	8	2	3	4	4	2	2	3	3				
60412R	BATHURST & WILSON	728	1.5	2	3	5	5	2	3	4	4	2	3	3	3				
60413R	ELMCREST ROAD	738	2.1	3	3	4	6	3	3	4	4	3	3	3	4				
60414I	SHERBOURNE & WILTON ST.	725	1.4	2	3	5	6	2	3	4	4	2	3	3	4				
60415R	QUEENSWAY W & HURONTARIO	700	1.3	1	3	4	9	1	2	4	4	2	2	3	3				
60416C	381 YONGE STREET	738	3.9	5	8	12	18	5	7	9	10	5	6	7	7				
60417C	26 BREADALBANE STREET	726	1.2	1	3	4	6	1	3	4	4	1	2	3	4				
	HAMILTON, ONT.																		
60501C	BARTON & SANFORD	727	0.7	1	3	5	9	1	2	4	5	1	2	4	4				
	SUDBURY, ONT.																		
60602R	ASH STREET	735	***	0	1	2	3	0	1	1	2	0	1	1	1				
	LONDON, ONT.																		
60901C	KING & RECTORY	725	***	0	2	6	9	0	2	4	6	0	1	3	3				
	SARNIA, ONT.																		
61004R	FRONT ST. AT C.N. TRACKS	730	***	0	1	3	6	0	1	1	2	0	1	1	1				
	CORNWALL, ONT.																		
61201R	MEMORIAL PARK	731	***	0	1	2	8	0	1	2	4	0	1	1	2				
	ST. CATHARINES, ONT.																		
61301C	NORTH ST. & GENEVA ST.	723	0.6	1	2	4	14	1	2	4	5	1	2	2	3				
	KITCHENER, ONT.																		
61501C	EDNA & FREDERICK	737	1.1	1	3	4	7	1	2	3	5	1	2	3	3				
	OAKVILLE, ONT.																		
61602R	BRONTE AND WOBURN CRES.	727	1.2	1	2	3	5	1	2	2	3	1	2	2	2				
	OSHAWA, ONT.																		
61701R	RITSON RD. & OLIVE AVE.	731	1.7	2	3	5	8	2	3	4	5	2	3	4	4				
	WINNIPEG, MAN.																		
70118R	JEFFERSON & SCOTIA	647	0.5	1	1	3	4	1	1	2	2	1	1	1	1				
70119C	65 ELLEN STREET	704	0.6	1	2	2	7	1	1	2	3	1	1	1	1				
70120R	604 ST. MARY'S RD.	705	0.5	1	1	2	7	1	1	3	3	1	1	2	2				
	REGINA, SASK.																		
80109C	1620 ALBERT STREET	671	0.7	1	2	3	5	1	2	3	4	1	1	2	2				
	SASKATOON, SASK.																		
80209C	IDYLWYLD DR. & 33RD ST.	572	***	1	1	2	5	1	1	2	2	1	1	1	1				

*** 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 MILLIONMARCH - MARS
1983MONOXYDE DE CARBONE
PARTIES PAR MILLION

STATION	LOCATION	NUMBER OF HOURLY SAMPLES NOMBRE DE DONNEES HORAIRES	MONTHLY MEAN MOYENNE MENSUELLE	FREQUENCY DISTRIBUTIONS - CENTILES - DISTRIBUTIONS DES FREQUENCES													
	EMPLACEMENT			INTERVALS - INTERVALLES				MEANS ----- MOYENNES				MOYENNES					
				1-HOUR / 70	95	99	MAX	8-HOUR / 70	95	99	MAX	24-HOUR / 70	95	99	MAX		
	EDMONTON, ALTA.																
90121I	17 STREET & 105 AVENUE	712	0.7	1	2	2	4	1	1	2	2	1	1	1	2		
90122R	127 ST. & 133 AVENUE	726	0.9	1	4	7	9	1	3	5	6	1	3	3	4		
90130C	10255 - 104TH STREET	723	1.7	2	4	6	9	2	4	5	6	2	3	4	4		
	CALGARY, ALTA.																
90222R	39 ST. & 29 AVE. N.W.	724	1.1	1	2	4	7	1	2	3	3	1	2	2	2		
90227C	1611-4TH STREET S.W.	723	1.8	2	5	9	15	2	4	7	9	2	3	5	5		
	VANCOUVER, B.C.																
00106R	2294 WEST 10TH AVENUE	722	0.9	1	3	4	8	1	2	3	5	1	2	3	3		
00108I	250 WEST 70TH AVENUE	711	1.8	2	4	5	8	2	3	4	4	2	3	3	3		
00110R	E. HASTINGS & KENSINGTON	706	1.3	1	3	4	7	2	3	3	4	2	3	3	3		
00111I	ROCKY PT. PARK	735	1.2	1	3	3	5	2	2	3	3	2	2	2	2		
00112C	ROBSON/HORNBY	678	1.8	2	4	5	7	2	3	4	5	2	3	3	3		
	VICTORIA, B.C.																
00302C	1106 COOK ST.	702	0.9	1	3	5	8	1	2	4	4	1	2	2	2		

NITROGEN DIOXIDE
PARTS PER HUNDRED MILLION

MARCH - MARS
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
30115I	HALIFAX, N.S.	317	---	1	1	3	4	1	1	1	1
30116C	CPB SHEARWATER BARRINGTON & DUKE	260	---	2	2	3	3	2	2	2	2
40202C	SAINT JOHN, N.B. POST OFFICE	744	***	0	2	3	6	1	1	1	1
50102R	MONTREAL, QUEBEC	419	1.7	2	4	8	9	2	3	4	4
50104C	JARDIN BOTANIQUE	744	3.2	4	5	6	7	4	4	5	5
50108R	1125 ONTARIO EST	715	2.4	3	5	6	6	3	4	4	4
50109C	1700 BOURASSA, LONGUEUIL	558	1.2	2	4	5	5	1	4	4	4
50110C	DUNCAN & DECARIE	432	***	1	2	2	2	1	2	2	2
50112C	PARC PILON, MTL.-NORD	723	3.1	4	5	7	8	4	5	5	6
50113R	BOUL. LAURENTIDES	725	2.5	3	4	6	8	3	4	5	5
50115C	PIE X & CARDINAL	721	3.6	4	6	7	8	4	5	5	5
50116R	1001 BOUL MAISONNEUVE O. 3161 JOSEPH, VERDUN	744	2.4	3	4	6	6	3	4	4	4
50203R	HULL, QUEBEC GAMBLIN & JOFFRE	624	2.0	3	5	6	8	2	4	5	5
50304C	QUEBEC, QUEBEC 325 DORCHESTER SUD	728	3.0	4	5	6	7	3	5	5	5
60101C	OTTAWA, ONT. 88 SLATER ST.	718	3.6	4	6	8	11	4	5	6	7
60104C	RIDEAU & WURTEMBERG	735	1.4	2	4	5	6	2	3	4	4
60105R	NRC, MONTREAL ROAD	742	1.2	1	4	5	5	1	3	3	3
60204C	WINDSOR, ONT. 471 UNIVERSITY AVENUE	732	2.8	3	6	8	10	3	6	7	7
60402R	TORONTO, ONT. DON MILLS, SCIENCE CNTR	697	2.1	3	5	7	8	2	4	6	6
60403I	EVANS & ARNOLD	727	3.0	3	5	8	11	3	5	7	7
60410R	LAWRENCE & KENNEDY	732	1.6	2	5	7	8	2	4	5	6
60412R	BATHURST & WILSON	703	2.1	3	5	8	9	2	5	6	7
60413R	ELMCREST ROAD	0	---	-	-	-	-	-	-	-	-
60414I	SHERBOURNE & WILTON ST.	725	2.7	3	5	7	8	3	5	6	6
60415R	QUEENSWAY W & HURONTARIO	735	2.8	3	5	7	10	3	5	6	6
60417C	26 BREADALBANE STREET	730	2.5	3	6	8	10	3	5	7	7
60501C	HAMILTON, ONT. BARTON & SANFORD	725	3.1	4	6	9	10	4	5	8	8
60505R	NORTH PARK	731	1.8	3	4	8	14	3	4	7	7
60602R	SUDBURY, ONT. ASH STREET	732	***	1	3	4	6	1	2	2	2
60901C	LONDON, ONT. KING & RECTORY	725	2.2	3	5	5	6	3	4	4	5
61004R	SARNIA, ONT. FRONT ST. AT C.N. TRACKS	726	2.4	3	5	7	17	3	5	7	7
61201R	CORNWALL, ONT. MEMORIAL PARK	728	1.1	1	3	5	7	1	3	4	4
61301C	ST. CATHARINES, ONT. NORTH ST. & GENEVA ST.	724	2.2	3	5	6	7	3	4	5	5
61501C	KITCHENER, ONT. EDNA & FREDERICK	736	3.1	4	5	6	8	3	5	5	5
61602R	OAKVILLE, ONT. BRONTE AND WOBURN CRES.	722	1.4	2	4	6	9	2	3	5	5
61701R	OSHAWA, ONT. RITSON RD. & OLIVE AVE.	729	1.7	2	4	5	6	2	3	5	5
70118R	WINNIPEG, MAN. JEFFERSON & SCOTIA	436	***	1	1	2	2	1	1	1	1
70119C	65 ELLEN STREET	563	1.7	2	4	4	7	2	3	3	3
80109C	REGINA, SASK. 1620 ALBERT STREET	699	2.2	3	6	10	10	3	6	6	7
90122R	EDMONTON, ALTA. 127 ST. & 133 AVENUE	725	2.2	3	4	5	6	3	4	4	4
90130C	10255 - 104TH STREET	696	3.3	4	5	6	7	4	4	5	5
90222R	CALGARY, ALTA. 39 ST. & 29 AVE. N.W.	517	2.1	3	4	5	6	3	3	4	4
90227C	1611-4TH STREET S.W.	716	4.8	5	7	10	17	5	6	7	8

*** 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

MARCH - MARS
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
	VANCOUVER, B.C.										
00106R	2294 WEST 10TH AVENUE	710	3.0	4	5	6	7	3	4	4	4
00108I	250 WEST 70TH AVENUE	728	2.4	3	4	4	5	3	3	4	4
00110R	E. HASTINGS & KENSINGTON	0	---	-	-	-	-	-	-	-	-
00111I	ROCKY PT. PARK	387	2.0	2	4	5	7	2	3	4	4
00112C	ROBSON/HORNEY	581	3.2	4	5	5	6	3	4	4	4
	VICTORIA, B.C.										
00392C	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

MARCH - MARS
1983

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
30115I	HALIFAX, N.S.										
30116C	CFB SHEARWATER	737	1.7	2	2	3	3	2	2	2	3
	BARRINGTON & DUKE	737	2.2	3	4	4	5	2	3	4	4
40202C	SAINT JOHN, N.B.										
	POST OFFICE	744	3.1	4	5	6	6	4	4	4	5
50102R	MONTREAL, QUEBEC										
50103R	JARDIN BOTANIQUE	606	1.1	2	3	3	4	2	2	3	3
50104C	POINTE-AUX-TREMBLES	696	2.1	3	4	4	5	3	3	4	4
50108R	1125 ONTARIO EST	589	0.9	1	3	4	5	1	2	3	3
50109C	1700 BOURASSA, LONGUEUIL	716	1.8	3	3	4	4	2	3	3	3
50110C	DUNCAN & DECARIE	677	0.8	1	2	3	3	1	2	2	2
50112C	PARC PILON, MTL.-NORD	0	---	-	-	-	-	-	-	-	-
50113R	BOUL. LAURENTIDES	726	1.3	2	3	4	4	2	2	3	3
50115C	PIE X & CARDINAL	727	1.7	2	3	4	4	2	3	3	3
50116R	1001 BOUL MAISONNEUVE O.	744	***	0	1	2	2	1	1	1	1
	3161 JOSEPH, VERDUN	744	***	0	0	0	1	0	0	0	0
50304C	QUEBEC, QUEBEC										
50306R	325 DORCHESTER SUD	729	1.5	2	3	3	4	2	2	2	3
	2026 BLVD. ST-CYRILLE	708	3.0	4	4	5	6	4	4	4	4
60101C	OTTAWA, ONT.										
60104C	88 SLATER ST.	574	0.5	1	2	2	2	1	1	2	2
60105R	RIDEAU & WURTEMBERG	732	2.1	3	4	4	5	2	3	3	4
	NRC, MONTREAL ROAD	716	1.1	2	2	3	3	1	2	2	2
60204C	WINDSOR, ONT.										
	471 UNIVERSITY AVENUE	719	1.5	2	3	4	4	2	2	3	3
60402R	TORONTO, ONT.										
60403I	DON MILLS, SCIENCE CNTR	682	1.8	3	4	4	6	2	3	3	3
60410R	EVANS & ARNOLD	728	1.1	2	3	4	4	1	2	3	3
60413R	LAWRENCE & KENNEDY	731	1.4	2	3	3	4	2	2	3	3
60414I	ELMCREST ROAD	734	1.2	2	3	3	5	2	2	2	3
60415R	SHEERBOURNE & WILTON ST.	724	1.2	2	3	3	3	1	2	2	2
60417C	QUEENSWAY W & HURONTARIO	739	1.4	2	3	4	4	2	2	3	3
	26 BREADALBANE STREET	731	1.4	2	3	3	5	2	2	2	3
60501C	HAMILTON, ONT.										
	BARTON & SANFORD	727	1.3	2	3	3	4	2	2	3	3
60602R	SUDBURY, ONT.										
	ASH STREET	734	1.4	2	2	3	3	2	2	2	2
60806R	THUNDER BAY, ONT.										
	435 JAMES S.	742	1.6	2	3	4	4	2	3	3	3
60901C	LONDON, ONT.										
	KING & RECTORY	724	1.9	2	3	4	5	2	3	3	3
61004R	SARNIA, ONT.										
	FRONT ST. AT C.N. TRACKS	730	2.1	3	4	4	4	3	3	3	4
61201R	CORNWALL, ONT.										
	MEMORIAL PARK	729	2.0	3	3	4	5	2	3	3	3
61301C	ST. CATHARINES, ONT.										
	NORTH ST. & GENEVA ST.	667	1.6	2	3	4	5	2	3	3	3
61501C	KITCHENER, ONT.										
	EDNA & FREDERICK	738	1.5	2	3	3	4	2	3	3	3
61602R	OAKVILLE, ONT.										
	BRONTE AND WOBURN CRES.	657	1.7	2	4	4	5	2	3	3	3
61701R	OSHAWA, ONT.										
	RITSON RD. & OLIVE AVE.	729	1.9	2	3	4	4	2	3	3	3
70118R	WINNIPEG, MAN.										
70119C	JEFFERSON & SCOTIA	575	2.7	3	4	4	5	3	4	4	4
	65 ELLEN STREET	654	1.6	2	3	4	4	2	3	3	3
80109C	REGINA, SASK.										
	1620 ALBERT STREET	737	2.7	3	4	5	5	3	4	4	4
90122R	EDMONTON, ALTA.										
90130C	127 ST. & 133 AVENUE	723	1.9	3	4	5	5	2	3	3	3
	10255 - 104TH STREET	713	1.4	2	3	4	4	2	2	3	3
90222R	CALGARY, ALTA.										
90227C	39 ST. & 29 AVE. N.W.	718	1.9	2	4	4	5	2	3	3	3
	1611-4TH STREET S.W.	710	0.9	1	2	3	4	1	2	2	2

*** CALCULATED MEANS ARE BELOW 5 PARTS PER BILLION.
LES MOYENNES SONT INFERIEURES A 5 PARTIES PAR BILLION.

--- 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		MARCH - MARS 1983		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			
				INTERVALE - 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	724	0.9	1	3	3	4	1	2	3	3
00108I	250 WEST 70TH AVENUE	695	1.2	2	3	4	5	1	2	3	3
00110R	E. HASTINGS & KENSINGTON	683	1.5	2	3	3	4	2	2	3	3
00111I	ROCKY PT. PARK	735	1.2	2	3	4	4	2	2	3	3
00112C	ROBSON/HORNEY	732	0.6	1	2	2	3	1	1	2	2
	VICTORIA, B.C.										
00302C	1106 COOK ST.	559	0.9	1	3	3	4	1	2	3	3

SOILING INDEX
COH UNITS PER 1000 LINEAR FT.

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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	270	0.34	0.4	0.7	1.0	1.0	0.4	0.6	0.7	0.7
50103R	POINTE-AUX-TREMBLES	370	0.24	0.3	0.6	0.8	1.2	0.3	0.4	0.5	0.6
50109C	DUNCAN & DECARIE	284	0.39	0.5	0.9	1.1	1.6	0.4	0.7	0.9	0.9
50110C	PARC PILON, MTL.-NORD	247	0.41	0.5	0.8	1.1	1.3	0.5	0.6	0.7	0.7
50115C	1001 BOUL MAISONNEUVE O.	356	0.35	0.4	0.7	0.9	1.1	0.4	0.6	0.8	0.9
50116R	3161 JOSEPH, VERDUN	360	0.32	0.3	0.7	1.2	1.5	0.3	0.6	0.8	0.9
HULL, QUEBEC											
50203R	GAMBLIN & JOFFRE	370	0.15	0.2	0.5	0.6	0.8	0.2	0.3	0.5	0.5
TROIS-RIVIERES, QUEBEC											
50801R	HART & STE-CECILE	300	0.20	0.2	0.5	0.8	1.0	0.2	0.3	0.4	0.4
SHAWINIGAN, QUEBEC											
51201I	FRIGON & LAVAL	285	0.20	0.2	0.6	1.0	1.1	0.2	0.4	0.6	0.7
OTTAWA, ONT.											
60101C	88 SLATER ST.	370	0.18	0.3	0.5	0.6	0.7	0.2	0.3	0.4	0.4
60104C	RIDEAU & WURTEMBERG	729	(1) 0.21	0.3	0.5	0.9	1.2	0.3	0.4	0.6	0.7
WINDSOR, ONT.											
60204C	471 UNIVERSITY AVENUE	730	(1) 0.44	0.5	1.1	1.8	2.1	0.5	1.1	1.3	1.3
60211R	COLLEGE & PRINCE	731	(1) 0.44	0.5	1.1	2.9	3.4	0.5	1.2	1.7	1.9
TORONTO, ONT.											
60403I	EVANS & ARNOLD	729	(1) 0.28	0.3	0.7	1.3	1.7	0.3	0.6	1.0	1.1
60410R	LAWRENCE & KENNEDY	730	(1) 0.30	0.4	0.9	1.4	2.1	0.3	0.7	1.1	1.2
60412R	BATHURST & WILSON	728	(1) 0.56	0.7	1.5	2.1	2.4	0.7	1.1	1.6	1.6
60413R	ELMCREST ROAD	0	----	---	---	---	---	---	---	---	---
60414I	SHERBOURNE & WILTON ST.	723	(1) 0.48	0.5	1.3	1.7	2.0	0.5	1.1	1.4	1.5
60417C	26 BREADALBANE STREET	731	(1) 0.45	0.5	1.1	1.6	1.8	0.5	0.9	1.3	1.4
HAMILTON, ONT.											
60501C	BARTON & SANFORD	727	(1) 0.56	0.7	1.4	2.1	2.8	0.7	1.0	1.8	1.9
60505R	NORTH PARK	730	(1) 0.43	0.5	1.4	2.1	2.8	0.5	1.0	1.6	1.7
SUDBURY, ONT.											
60602R	ASH STREET	733	(1) 0.12	0.2	0.4	0.7	1.0	0.2	0.3	0.4	0.4
LONDON, ONT.											
60901C	KING & RECTORY	732	(1) 0.34	0.4	0.8	2.1	2.7	0.4	0.6	1.4	1.5
SARNIA, ONT.											
61004R	FRONT ST. AT C.N. TRACKS	731	(1) 0.28	0.3	0.8	1.3	2.1	0.3	0.7	1.0	1.0
CORNWALL, ONT.											
61201R	MEMORIAL PARK	727	(1) 0.25	0.3	0.6	1.0	2.0	0.3	0.5	0.9	1.1
ST. CATHARINES, ONT.											
61301C	NORTH ST. & GENEVA ST.	726	(1) 0.39	0.4	1.1	1.9	2.2	0.5	0.7	0.9	1.0
OAKVILLE, ONT.											
61602R	BRONTE AND WOBURN CRES.	732	(1) 0.34	0.4	1.0	1.4	1.5	0.4	0.7	0.9	1.0
OSHAWA, ONT.											
61701R	RITSON RD. & OLIVE AVE.	732	(1) 0.33	0.4	0.9	1.7	2.2	0.3	0.8	1.3	1.4
WINNIPEG, MAN.											
70118R	JEFFERSON & SCOTIA	338	****	0.1	0.2	0.4	0.6	0.1	0.2	0.2	0.2
70119C	65 ELLEN STREET	305	0.15	0.2	0.3	0.5	0.9	0.2	0.3	0.3	0.3
70120R	604 ST. MARY'S RD.	327	****	0.1	0.2	0.2	0.3	0.1	0.1	0.1	0.2
EDMONTON, ALTA.											
90122R	127 ST. & 133 AVENUE	742	(1) 0.20	0.2	0.6	1.0	1.6	0.2	0.5	0.6	0.7
90130C	10255 - 104TH STREET	744	(1) 0.28	0.3	0.6	0.9	1.1	0.3	0.5	0.6	0.7
CALGARY, ALTA.											
90218I	BONNY BRK & 18A ST. S.E.	723	(1) 0.29	0.3	0.7	1.7	2.7	0.3	0.6	0.7	0.9
90222R	39 ST. & 29 AVE. N.W.	717	(1) 0.12	0.2	0.4	0.6	0.7	0.2	0.2	0.3	0.3
90227C	1611-4TH STREET S.W.	744	(1) 0.30	0.4	0.7	1.1	1.4	0.4	0.5	0.5	0.5
VANCOUVER, B.C.											
00102R	100 RICHMOND STREET	106	----	0.5	1.1	1.3	1.7	0.5	0.7	0.8	0.8
00106R	2294 WEST 10TH AVENUE	195	0.15	0.2	0.5	0.6	0.7	0.2	0.3	0.3	0.3
00108I	250 WEST 70TH AVENUE	366	0.24	0.3	0.7	1.2	2.1	0.3	0.4	0.5	0.5
00110R	E. HASTINGS & KENSINGTON	344	0.15	0.2	0.5	0.7	0.8	0.2	0.4	0.6	0.6
00111I	ROCKY PT. PARK	308	0.21	0.3	0.5	0.8	1.1	0.2	0.5	0.5	0.6
00112C	ROBSON/HORNEY	0	----	-	-	-	-	-	-	-	-

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

**** CALCULATED MEANS ARE BELOW 0.1
LES MOYENNES SONT INFÉRIEURES À 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.

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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
00202C	PRINCE GEORGE, B.C. 1011 4TH AVENUE	362	0.27	0.4	0.7	1.0	1.5	0.3	0.5	0.5	0.5
00302C	VICTORIA, B.C. 1106 COOK ST.	214	0.60	0.8	1.3	2.1	2.4	0.7	0.9	0.9	0.9
09001C	WHITEHORSE, YUKON FEDERAL BUILDING	356	0.32	0.5	0.8	1.1	1.2	0.4	0.6	0.7	0.7

(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.

**SUSPENDED PARTICULATE MATTER AND LEAD
MICROGRAMS PER CUBIC METRE**
**MARCH - MARS
1983**
**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	
10101C	ST. JOHN'S, Nfld. DUCKWORTH & ORDINANCE	64	-	82	71	22	-	60	0.5	-	0.2	0.3	0.1	-	0.3
20101C	CHARLOTTETOWN, P.E.I. 56 FITZROY ST.	19	-	26	17	17	16	19	0.2	-	0.1	0.2	0.2	0.2	0.2
30101C	HALIFAX, N.S. N.S. TECHNICAL COLLEGE	27	78	28	36	63	60	49	0.0	0.1	0.1	0.0	0.1	0.2	0.1
30102R	DALHOUSIE UNIVERSITY	32	41	29	35	26	44	35	0.1	0.1	0.1	0.0	0.1	0.1	0.1
30114R	MT ST VINCENT UNIVERSITY	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30115I	CFB SHEARWATER	-	-	25	40	-	53	39	-	-	0.0	0.0	-	0.2	0.1
30310C	SYDNEY, N.S. COUNTY JAIL	37	64	36	49	61	37	47	0.5	0.0	0.2	0.2	0.1	0.1	0.2
30311R	WHITNEY PIER FIRE STN.	38	97	49	49	42	-	55	0.1	0.2	0.3	0.1	0.1	-	0.2
30408R	GLACE BAY, N.S. SOUTH STREET	26	65	46	27	79	28	45	0.1	0.1	0.1	0.0	0.0	0.0	0.0
40102C	FREDERICTON, N.B. YORK STREET	31	143	18	25	101	135	76	0.2	0.6	0.2	0.2	0.2	0.7	0.4
40201C	SAINT JOHN, N.B. 110 CHARLOTTE STREET	42	58	29	56	67	86	56	0.2	0.2	0.0	0.0	0.1	0.4	0.2
50102R	MONTREAL, QUEBEC JARDIN BOTANIQUE	42	29	34	20	34	46	34	0.1	-	-	-	-	0.2	-
50103R	POINTE-AUX-TREMBLES	72	82	82	28	73	116	76	-	-	-	-	-	-	-
50104C	1125 ONTARIO EST	90	48	41	34	66	125	67	0.6	0.3	0.3	0.2	0.4	0.6	0.4
50108R	1700 BOURASSA, LONGUEUIL	36	28	-	26	50	63	41	0.1	0.1	-	0.1	0.1	0.2	0.1
50109C	DUNCAN & DECARIE	103	-	93	46	-	216	115	0.5	-	0.6	0.2	-	1.3	0.7
50110C	PARC PILON, MTL.-NORD	63	51	42	43	-	65	53	-	-	-	-	-	-	-
50112C	BOUL. LAURENTIDES	104	90	88	87	89	111	95	0.3	0.2	0.2	0.1	0.2	0.5	0.3
50113R	PIE X & CARDINAL	41	36	38	36	34	57	40	0.2	0.1	0.1	0.2	0.1	0.4	0.2
50116R	3161 JOSEPH, VERDUN	80	39	32	30	68	103	59	0.5	0.2	0.3	0.2	0.3	0.7	0.4
50203R	HULL, QUEBEC GAMBLIN & JOFFRE	111	33	46	20	50	81	57	0.7	0.2	0.1	0.2	0.2	0.2	0.2
50303I	QUEBEC, QUEBEC CENTRE LOISIRS LIMOILLOU	79	-	43	77	86	106	78	0.2	-	0.5	0.1	0.3	0.5	0.3
50306R	2026 BLVD. ST-CYRILLE	19	45	25	14	34	57	32	-	0.1	0.3	-	0.3	0.3	0.3
50403C	SHERBROOKE, QUEBEC WELLINGTON & ALBERT	-	66	-	19	52	87	56	-	0.2	-	-	0.2	0.3	0.2
50502R	CHICOUTIMI, QUEBEC USINE DE FILTRATION	9	16	31	-	28	66	30	-	-	0.1	-	0.2	0.3	0.2
50503C	222 RACINE	24	75	168	-	33	-	75	0.3	0.2	1.7	-	0.2	-	0.6
50601C	ROUYN, QUEBEC HOTEL DE VILLE	-	20	-	15	-	-	-	-	0.2	-	1.7	-	-	-
50701C	SEPT-ILES, QUEBEC HOTEL DE VILLE	-	13	24	12	29	-	20	-	-	0.1	-	0.1	-	-
50801R	TROIS-RIVIERES, QUEBEC HART & STE-CECILE	90	133	47	124	86	125	101	0.2	0.1	0.2	0.2	0.3	0.4	0.2
50901R	ARVIDA, QUEBEC POWELL & HOOPE	208	230	-	-	113	137	172	0.2	0.2	-	-	0.9	0.7	0.5
51002R	TRACY, QUEBEC GARNEAU & RTE 132	-	-	-	-	-	-	-	-	-	-	-	-	-	-
51101C	THETFORD MINES, QUEBEC BOUL. STE-MARTHE	21	28	18	-	32	-	25	0.1	0.1	-	-	0.1	-	0.1
51201I	SHAWINIGAN, QUEBEC FRIGON & LAVAL	-	-	98	44	76	63	70	-	-	0.1	-	0.1	0.3	0.2
51301R	BAIE COMEAU, QUEBEC 39 AVE. MARGUETTE	12	33	39	13	-	39	27	-	0.1	-	-	0.2	0.3	0.2
60101C	OTTAWA, ONT. 88 SLATER ST.	142	49	42	29	51	93	68	0.6	0.2	0.1	0.1	0.2	0.3	0.2
60104C	RIDEAU & WURTEMBERG	-	-	-	-	-	-	-	-	-	-	-	-	-	-
60105R	NRC, MONTREAL ROAD	88	22	125	11	30	62	56	0.3	0.1	0.0	0.0	0.1	0.2	0.1
60201I	WINDSOR, ONT. MORTON TERMINAL DOCK	139	40	82	25	71	55	69	0.9	0.0	0.3	0.0	0.4	0.3	0.3
60202C	CITY HALL	134	66	72	10	-	-	71	0.9	0.4	0.5	0.0	-	0.3	0.4
60203R	TECUMSEH WATER WORKS	84	38	42	13	25	31	39	0.8	0.2	0.2	0.1	0.1	0.0	0.2
60204C	471 UNIVERSITY AVENUE	149	53	59	21	53	51	64	0.9	0.3	0.3	0.1	0.3	0.2	0.4
60301R	KINGSTON, ONT. QUEEN'S UNIVERSITY	-	-	-	-	-	-	-	-	-	-	-	-	-	-
60402R	TORONTO, ONT. DON MILLS, SCIENCE CNTR	105	28	23	12	31	45	41	1.1	0.1	0.2	0.1	0.2	0.4	0.4
60403I	EVANS & ARNOLD	143	65	41	-	67	80	79	1.7	0.6	0.8	-	0.0	0.8	0.8
60409R	REDLANDS CRESCENT	78	37	24	17	47	39	40	0.5	0.0	0.2	0.0	0.1	0.1	0.2

SUSPENDED PARTICULATE MATTER AND LEAD
MICROGRAMS PER CUBIC METRE

MARCH - MARS
1983

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
60410R	LAWRENCE & KENNEDY	161	35	58	21	-	41	63	1.3	0.1	0.8	0.3	-	0.3	0.6
60412R	BATHURST & WILSON	108	76	62	11	26	91	62	0.7	1.5	0.2	0.2	0.2	1.3	0.7
60413R	ELMCREST ROAD	162	52	41	8	72	47	64	1.3	0.4	0.4	0.1	0.6	0.4	0.5
60414I	SHERBOURNE & WILTON ST.	173	74	64	29	75	123	90	1.5	0.3	0.5	0.3	0.6	0.9	0.7
60415R	QUEENSWAY W & HURONTARIO	155	55	49	30	79	86	76	1.3	0.2	0.3	0.1	0.5	0.4	0.5
60417C	26 BREADALBANE STREET	125	47	58	22	62	72	64	0.8	0.2	0.3	0.1	0.2	0.3	0.3
HAMILTON, ONT.															
60501C	BARTON & SANFORD	282	-	62	73	-	171	147	2.5	-	0.0	1.1	-	1.0	1.2
60503I	CHATHAM & FRID	206	-	48	15	97	82	90	1.8	-	0.1	0.1	0.8	0.5	0.7
60505R	NORTH PARK	164	69	81	52	-	32	80	1.7	0.3	0.6	0.4	-	0.1	0.6
SUDBURY, ONT.															
60602R	ASH STREET	35	24	27	13	40	70	35	0.3	0.2	-	-	-	-	-
60605C	19 LISGAR STREET	40	28	50	10	-	-	32	0.5	0.4	0.2	0.1	0.4	1.0	0.4
SAULT STE. MARIE, ONT.															
60705R	550 QUEEN STREET WEST	41	20	89	16	25	52	41	0.3	0.1	0.3	0.0	0.3	0.1	0.2
THUNDER BAY, ONT.															
60801C	14 ALGOMA STREET	38	20	48	46	-	47	40	-	-	-	-	-	-	-
60806R	435 JAMES S.	45	13	67	60	94	50	55	0.0	0.0	0.0	0.0	0.1	0.0	0.0
LONDON, ONT.															
60901C	KING & RECTORY	160	69	62	23	92	132	90	1.2	0.2	0.4	0.1	0.6	0.3	0.5
60902C	372 DUNDAS	74	47	31	20	48	52	45	0.6	0.2	0.1	0.0	0.4	0.2	0.3
SARNIA, ONT.															
61004R	FRONT ST. AT C.N. TRACKS	112	63	37	-	57	77	69	0.4	0.2	0.1	-	0.3	0.3	0.3
PETERBOROUGH, ONT.															
61103C	500 GEORGE STREET	223	55	41	18	34	-	74	0.7	0.1	0.1	0.1	0.2	-	0.2
CORNWALL, ONT.															
61201R	MEMORIAL PARK	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ST. CATHARINES, ONT.															
61301C	NORTH ST. & GENEVA ST.	163	115	46	19	126	127	99	1.1	0.8	0.1	0.0	1.2	0.6	0.6
KITCHENER, ONT.															
61501C	EDNA & FREDERICK	142	55	31	-	-	-	76	2.0	0.9	0.2	-	-	-	1.0
OAKVILLE, ONT.															
61602R	BRONTE AND WOBURN CRES.	65	31	28	12	58	43	40	0.3	0.0	0.2	0.0	0.4	0.2	0.2
OSHAWA, ONT.															
61701R	RITSON RD. & OLIVE AVE.	143	48	27	18	34	72	57	1.0	0.2	0.0	0.1	0.0	0.4	0.3
GUELPH, ONT.															
61801C	FARQUHAR & WYNDHAM	92	41	77	8	-	41	52	0.5	0.2	0.4	0.0	-	0.1	0.2
WINNIPEG, MAN.															
70102R	PORTAGE & WOODLAWN	24	13	28	67	44	42	36	0.3	1.7	0.2	0.3	0.1	0.4	0.5
70104I	UNION STOCK YARDS	19	-	20	40	35	24	28	0.1	-	0.1	0.1	0.1	0.2	0.1
70118R	JEFFERSON & SCOTIA	23	11	18	24	37	14	21	0.1	0.1	0.1	0.1	0.1	0.1	0.1
70119C	65 ELLEN STREET	39	9	27	68	56	51	42	0.3	0.1	0.1	0.1	0.3	0.3	0.2
70120R	604 ST. MARY'S RD.	23	22	15	37	39	25	27	0.3	0.1	0.1	0.1	0.1	0.3	0.2
BRANDON, MAN.															
70201C	11TH ST. & PRINCESS AVE.	20	32	32	72	62	36	42	0.2	0.1	0.1	0.2	0.2	0.2	0.2
REGINA, SASK.															
80102R	3211 ALBERT STREET	20	10	12	31	19	9	17	0.0	0.1	0.0	0.0	0.1	0.1	0.1
80108C	12TH AVE. & SMITH ST.	22	15	18	110	33	22	37	0.1	0.1	0.1	0.1	0.1	0.1	0.1
80109C	1620 ALBERT STREET	28	9	19	112	45	31	41	0.3	0.1	0.1	0.2	0.3	0.4	0.2
SASKATOON, SASK.															
80203R	30TH ST. & 833 P AVE.	-	-	17	75	47	65	51	-	-	0.1	0.1	0.2	0.1	0.1
80209C	IDYLWYLD DR. & 33RD ST.	-	-	-	-	-	97	-	-	-	-	-	-	0.1	-
MOOSE JAW, SASK.															
80301C	FAIRFORD ST. & 1ST AVE.	18	12	24	-	52	29	27	0.1	0.1	0.0	-	0.1	0.1	0.1
PRINCE ALBERT, SASK.															
80401C	1257-1ST AVE. EAST	16	8	17	102	69	27	40	0.1	0.1	0.1	0.2	0.2	0.2	0.1
EDMONTON, ALTA.															
90121I	17 STREET & 105 AVENUE	41	15	16	21	30	39	27	-	-	-	-	-	-	-
90122R	127 ST. & 133 AVENUE	31	20	23	46	55	64	40	-	-	-	-	-	-	-
90130C	10255 - 104TH STREET	36	25	28	51	86	81	51	-	-	-	-	-	-	-
CALGARY, ALTA.															
90204C	316-7TH AVENUE	44	28	73	78	36	129	65	-	-	-	-	-	-	-
90218I	BONNY BRK & 18A ST. S.E.	38	25	35	46	30	75	42	-	-	-	-	-	-	-
90222R	39 ST. & 29 AVE. N.W.	21	12	29	41	41	35	30	-	-	-	-	-	-	-
YELLOWKNIFE, N.W.T.															
99001C	50TH AVE. & 49TH STREET	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VANCOUVER, B.C.															
00102R	100 RICHMOND STREET	92	30	26	48	54	30	47	1.5	0.3	0.1	0.7	0.4	0.3	0.5
00104R	27TH & ONTARIO	59	-	35	56	-	-	50	0.7	-	0.2	0.7	-	-	0.5

SUSPENDED PARTICULATE MATTER AND LEAD
MICROGRAMS PER CUBIC METRE

MARCH - MARS
1983

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
00106R	2294 WEST 10TH AVENUE	55	34	21	39	50	27	38	0.5	0.5	0.1	0.4	0.4	0.4	0.4
00108I	250 WEST 70TH AVENUE	74	51	33	53	75	34	53	0.9	0.3	0.1	0.5	0.3	0.3	0.4
00109C	970 BURRARD	78	35	19	50	63	33	46	0.8	0.5	0.2	0.5	0.4	0.4	0.5
00110R	E. HASTINGS & KENSINGTON	90	25	23	35	38	21	39	0.8	0.3	0.1	0.3	0.3	0.3	0.3
00111I	ROCKY PT. PARK	84	31	19	59	50	28	45	0.8	0.3	0.2	0.6	0.5	0.2	0.4
00113I	ANNACIS ISLAND, DELTA	120	31	36	-	58	32	55	0.8	0.2	0.1	-	0.3	0.3	0.3
00114C	MUNICIPAL HALL, RICHMOND	-	-	-	48	48	28	41	-	-	-	0.6	0.5	0.4	0.5
00115R	NEWTON ELEM. SCH., SURREY	70	-	-	47	41	22	45	0.7	-	-	0.5	0.4	0.2	0.5
00116R	FIRE HALL, N. VANCOUVER	59	22	22	-	-	-	34	0.8	0.4	0.1	-	-	-	0.4
00117R	BCIT BURNABY	94	37	27	55	51	25	48	1.8	0.5	0.2	0.9	0.6	0.3	0.7
00202C	PRINCE GEORGE, B.C. 1011 4TH AVENUE	153	98	59	113	281	147	142	0.2	0.1	0.1	0.1	0.3	0.3	0.2
00302C	VICTORIA, B.C. 1106 COOK ST.	46	36	32	56	41	-	42	0.4	0.5	0.2	1.1	0.4	-	0.5
00401C	KAMLOOPS, B.C. 301 SEYMOUR ST.	120	-	39	107	110	-	94	0.6	-	0.3	0.6	0.5	-	0.5
09001C	WHITEHORSE, YUKON FEDERAL BUILDING	18	73	48	157	359	120	129	0.2	0.5	0.4	0.2	0.6	0.2	0.4

COMBINATION OF SULPHUR DIOXIDE AND
SUSPENDED PARTICULATES
1000*(MICROGRAMS/CU.METRE)**2MARCH - MARS
1983DIOXYDE 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	3	-	0	1	0	-
20101C	CHARLOTTETOWN, P.E.I. 56 FITZROY ST.	1	-	1	-	0	0
30114R	HALIFAX, N.S. MT ST VINCENT UNIVERSITY	-	-	-	-	-	-
30115I	CFB SHEARWATER	-	-	0	-	-	1
30310C	SYDNEY, N.S. COUNTY JAIL	1	1	0	2	1	1
30311R	WHITNEY PIER FIRE STN.	-	-	-	3	2	-
30408R	GLACE BAY, N.S. SOUTH STREET	-	-	2	0	1	0
50102R	MONTREAL, QUEBEC JARDIN BOTANIQUE	6	1	-	0	0	1
50103R	POINTE-AUX-TREMBLES	2	1	2	0	2	1
50104C	1125 ONTARIO EST	3	1	0	0	2	4
50108R	1700 BOURASSA, LONGUEUIL	-	0	-	0	-	-
50109C	DUNCAN & DECARIE	18	-	3	1	-	17
50110C	PARC PILON, MTL.-NORD	3	1	1	1	-	2
50112C	BOUL. LAURENTIDES	2	2	0	2	0	2
50113R	PIE X & CARDINAL	1	0	0	0	-	1
50116R	3161 JOSEPH, VERDUN	2	0	0	0	1	1
50203R	HULL, QUEBEC GAMELIN & JOFFRE	11	1	1	-	1	2
50303I	QUEBEC, QUEBEC CENTRE LOISIRS LIMOILLOU	6	-	2	11	3	4
50306R	2026 BLVD. ST-CYRILLE	0	0	1	0	1	2
50601C	ROUYN, QUEBEC HOTEL DE VILLE	-	-	-	2	-	-
50701C	SEPT-ILES, QUEBEC HOTEL DE VILLE	-	0	0	0	0	-
50801R	TROIS-RIVIERES, QUEBEC HART & STE-CECILE	9	29	0	18	2	6
50901R	ARVIDA, QUEBEC POWELL & HOOPES	36	32	-	-	0	0
51201I	SHAWINIGAN, QUEBEC FRIGON & LAVAL	-	-	2	2	2	1
51301R	BAIE COMEAU, QUEBEC 39 AVE. MARGUETTE	0	3	25	0	-	3
60101C	OTTAWA, ONT. 88 SLATER ST.	4	0	1	0	1	2
60104C	RIDEAU & WURTEMBERG	-	-	-	-	-	-
60105R	NRC, MONTREAL ROAD	3	-	2	0	0	1
60201I	WINDSOR, ONT. MORTON TERMINAL DOCK	6	0	3	-	0	1
60204C	471 UNIVERSITY AVENUE	11	0	1	0	1	0
60402R	TORONTO, ONT. DON MILLS, SCIENCE CNTR	6	-	1	0	-	1
60403I	EVANS & ARNOLD	8	1	0	-	1	3
60409R	REDLANDS CRESCENT	7	0	-	-	-	-
60410R	LAWRENCE & KENNEDY	12	1	0	0	-	0
60412R	BATHURST & WILSON	7	0	0	0	0	3
60413R	ELMCREST ROAD	7	1	0	-	-	1
60414I	SHERBOURNE & WILTON ST.	12	0	2	0	1	2
60415R	QUEENSWAY W & HURONTARIO	7	1	0	1	2	3
60417C	26 BREADALBANE STREET	9	0	1	0	1	2
60501C	HAMILTON, ONT. BARTON & SANFORD	31	-	0	3	-	12
60505R	NORTH PARK	5	0	3	1	-	0
60602R	SUDBURY, ONT. ASH STREET	2	0	0	0	0	1
60806R	THUNDER BAY, ONT. 435 JAMES S.	0	0	0	0	0	0
60901C	LONDON, ONT. KING & RECTORY	7	1	0	0	0	1
61004R	SARNIA, ONT. FRONT ST. AT C.N. TRACKS	4	4	2	-	0	0

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

MARCH - MARS
1983

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

STATION	LOCATION EMPLACEMENT	*----- DAY / JOUR -----*					
		1	7	13	19	25	31
61103C	PETERBOROUGH, ONT. 500 GEORGE STREET	5	-	-	-	-	-
61201R	CORNWALL, ONT. MEMORIAL PARK	-	-	-	-	-	-
61301C	ST. CATHARINES, ONT. NORTH ST. & GENEVA ST.	6	2	0	0	3	1
61501C	KITCHENER, ONT. EDNA & FREDERICK	4	0	0	-	-	-
61602R	OAKVILLE, ONT. BRONTE AND WOBURN CRES.	2	0	0	0	1	0
61701R	OSHAWA, ONT. RITSON RD. & OLIVE AVE.	12	0	0	0	1	1
61801C	GUELPH, ONT. FARQUHAR & WYNDHAM	3	1	0	0	-	0
70118R	WINNIPEG, MAN. JEFFERSON & SCOTIA	0	0	0	0	0	0
70119C	65 ELLEN STREET	0	0	0	0	0	0
70120R	604 ST. MARY'S RD.	0	0	0	0	1	0
80109C	REGINA, SASK. 1620 ALBERT STREET	0	0	0	-	0	0
80209C	SASKATOON, SASK. IDYLWYLD DR. & 33RD ST.	-	-	-	-	-	0
80301C	MOOSE JAW, SASK. FAIRFORD ST. & 1ST AVE.	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.	0	0	0	0	0	0
00106R	VANCOUVER, B.C. 2294 WEST 10TH AVENUE	0	0	0	0	1	0
00110R	E. HASTINGS & KENSINGTON	1	-	0	0	0	0
00111I	ROCKY PT. PARK	1	0	0	0	0	0
00302C	VICTORIA, B.C. 1106 COOK ST.	-	-	-	-	1	-
00401C	KAMLOOPS, B.C. 301 SEYMOUR ST.	-	-	-	-	-	-

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

MARCH - MARS
1983

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

STATION	LOCATION EMPLACEMENT	DUSTFALL RETOMBEES DE POUSSIERES	SO3
	SYDNEY, N.S.		
30301R	MURPHY ROAD	-	0.1 **
30309I	PT EDWARD, RICHMOND PLST	1.9	0.2 **
30310C	COUNTY JAIL	-	0.2 **
30311R	WHITNEY PIER FIRE STN.	3.8	0.7 **
	GLACE BAY, N.S.		
30401R	LAKE ROAD	3.8	0.6 **
30405C	GENERAL HOSPITAL	3.2	1.3 **
	MONTREAL, QUEBEC		
50101R	7405 CHAMPAGNEUR	2.0	-
50102R	JARDIN BOTANIQUE	5.0	-
50103R	POINTE-AUX-TREMBLES	8.0	-
	TORONTO, ONT.		
60403I	EVANS & ARNOLD	4.9	-
60404R	5126 YONGE STREET	4.4	-
60405I	JOHN STREET PUMP STATION	7.3	-
60406R	ROSEHILL RESERVOIR	2.8	-
60408C	DANFORTH & ROBINSON	4.2	-
	HAMILTON, ONT.		
60501C	BARTON & SANFORD	8.5	-
60502I	BURLINGTON & GAGE	16.6	-
60503I	CHATHAM & FRID	8.3	-
60507C	HUGHESON & HUNTER	7.4	-
60510I	STRATHEARN	19.8	-
	SAULT STE. MARIE, ONT.		
60702R	ANNA MCREEA PUBLIC SCHOOL	2.7	-
60703I	BAYVIEW & YOUNG	12.8	-
	THUNDER BAY, ONT.		
60801C	14 ALGOMA STREET	3.8	-
	LONDON, ONT.		
60901C	KING & RECTORY	-	-
	WINNIPEG, MAN.		
70105R	MARTIN & HENDERSON HWY	9.8	0.0 **
70110C	KENNEDY & ST. MARY'S	8.5	-
70113I	WINDERMERE & ROCKMAN	23.6	0.0 **
70115C	PORTAGE & MINTO	5.9	0.0 **
70116I	SMITH & KING	10.5	0.1 **
	EDMONTON, ALTA.		
90125C	PRINS ELIZABETH & 108 ST	7.8	0.1 **
90126R	77 AVENUE & 85 STREET	2.6	0.1 **
90127I	115 AVENUE & 159 STREET	6.9	0.1 **
90128R	99 AVENUE & 160 STREET	1.2	0.1 **
	CALGARY, ALTA.		
90219C	620-7TH AVENUE, S.W.	6.3	0.1 **
90221R	DALHOUSIE DR & DALHAM DR	3.6	0.1 **
90223C	11 ST. & 38 AVE. S.E.	6.9	0.1 **
90224I	OGDENDALE & 71 AVE S.E.	8.2	0.1 **
90225R	PALLISER DR & OAKWOOD SW	3.9	0.1 **
90226I	SHEPPARD & 84 AVE S.E.	2.9	0.1 **

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

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