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Service de la
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Monthly Summary November 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
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Environmental Protection
Programs Directorate

Rapport de surveillance
EPS 5-EP-83-11

Direction générale des programmes
de protection de l'environnement

SULPHUR DIOXIDE
PARTS PER HUNDRED MILLIONNOVEMBER - NOVEMBRE
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
10101C	ST. JOHN'S, NFLD. DUCKWORTH & ORDINANCE	471	***	1	2	3	4	1	2	2	2
20101C	CHARLOTTETOWN, P.E.I. 56 FITZROY ST.	514	***	1	3	5	7	1	2	3	3
30114R	HALIPAX, N.S. MT ST VINCENT UNIVERSITY	0	---	-	-	-	-	-	-	-	-
30115I	CFB SHEARWATER	0	---	-	-	-	-	-	-	-	-
30116C	BARRINGTON & DUKE	0	---	-	-	-	-	-	-	-	-
30310C	SYDNEY, N.S. COUNTY JAIL	0	---	-	-	-	-	-	-	-	-
30311R	WHITNEY PIER FIRE STN.	0	---	-	-	-	-	-	-	-	-
30408R	GLACE BAY, N.S. SOUTH STREET	0	---	-	-	-	-	-	-	-	-
40202C	SAINT JOHN, N.B. POST OFFICE	718	***	1	3	5	7	1	2	3	3
50101R	MONTREAL, QUEBEC 7405 CHAMPAGNEUR	635	1.5	2	3	5	9	2	3	3	4
50102R	JARDIN BOTANIQUE	718	***	1	2	3	4	1	2	2	3
50103R	POINTE-AUX-TREMBLES	524	***	0	3	6	8	1	1	1	2
50104C	1125 ONTARIO EST	720	***	1	2	2	3	1	1	1	2
50106R	VILLE ST-LAURENT	287	---	1	1	2	2	1	1	1	1
50108R	1700 BOURASSA, LONGUEUIL	524	***	0	1	1	1	0	0	1	1
50109C	DUNCAN & DECARIE	528	1.5	2	3	5	6	2	3	3	3
50110C	PARC PILON, MTL.-NORD	555	1.1	1	3	4	4	1	3	3	3
50112C	BOUL. LAURENTIDES	465	***	0	1	2	3	0	1	1	1
50113R	PIE X & CARDINAL	641	***	0	1	1	2	0	1	1	1
50115C	1001 BOUL MAISONNEUVE O.	667	1.1	1	3	4	6	1	2	3	3
50116R	3161 JOSEPH, VERDUN	337	---	1	1	2	3	1	1	1	1
50203R	HULL, QUEBEC CAMELIN & JOFFRE	719	***	1	1	2	2	1	1	2	2
50303I	QUEBEC, QUEBEC CENTRE LOISIRS LIMOILLOU	627	2.3	2	7	18	34	3	6	7	8
50304C	325 DORCHESTER SUD	562	***	1	2	2	4	1	2	2	2
50306R	2026 BLVD. ST-CYRILLE	587	***	0	2	3	6	1	1	2	2
50601C	ROUYN, QUEBEC HOTEL DE VILLE	637	2.2	0	17	45	54	0	13	29	32
50701C	SEPT-ILES, QUEBEC HOTEL DE VILLE	600	***	0	1	1	2	0	1	1	1
50801R	TROIS-RIVIERES, QUEBEC HART & STE-CECILE	160	---	1	4	5	14	2	3	3	3
50901R	ARVIDA, QUEBEC POWELL & HOOPES	658	2.4	1	12	13	19	4	10	11	12
51001R	TRACY, QUEBEC 3225 AVE COURSHESNE	649	***	0	1	2	5	0	1	1	1
51201I	SHAWINIGAN, QUEBEC FRIGON & LAVAL	646	1.4	1	6	15	25	1	5	10	11
51301R	BAIE COMEAU, QUEBEC 39 AVE. MARGUETTE	595	1.9	1	10	18	23	2	7	9	9
60101C	OTTAWA, ONT. 88 SLATER ST.	641	***	1	2	4	4	1	2	3	3
60104C	RIDEAU & WURTEMBURG	690	***	1	2	3	5	1	2	2	2
60105R	NRC, MONTREAL ROAD	632	***	1	1	1	2	1	1	1	1
60201I	WINDSOR, ONT. MORTON TERMINAL DOCK	10	---	0	1	1	1	-	-	-	-
60204C	471 UNIVERSITY AVENUE	705	1.2	1	4	6	10	2	3	3	3
60211R	COLLEGE & PRINCE	710	1.1	1	4	5	11	2	2	3	3
60402R	TORONTO, ONT. DON MILLS, SCIENCE CNTR	0	---	-	-	-	-	-	-	-	-
60403I	EVANS & ARNOLD	674	***	0	2	2	3	1	1	2	2
60409R	REDLANDS CRESCENT	0	---	-	-	-	-	-	-	-	-
60410R	LAWRENCE & KENNEDY	676	***	1	2	4	5	1	2	3	3
60412R	BATHURST & WILSON	673	***	1	2	4	6	1	2	3	3
60413R	ELMCREST ROAD	0	---	-	-	-	-	-	-	-	-
60414I	SHERBOURNE & WILTON ST.	696	***	1	2	4	12	1	2	2	2
60415R	QUEENSWAY W & HURONTARIO	692	***	1	2	8	31	1	2	5	5
60417C	26 BREADALBANE STREET	695	***	1	2	5	9	1	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 MILLIONNOVEMBER - NOVEMBRE
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	705	1.5	2	4	6	10	2	4	4	4
60505R	NORTH PARK	674	1.4	2	5	7	9	2	4	5	5
60602R	SUDBURY, ONT. ASH STREET	695	***	1	5	9	20	1	3	5	5
60606C	KENNEDY STREET	698	***	1	5	11	16	1	3	4	4
60706I	SAULT STE. MARIE, ONT. FARWELL PUMP HOUSE	0	---	-	-	-	-	-	-	-	-
60806R	THUNDER BAY, ONT. 435 JAMES S.	713	***	0	0	1	1	0	0	0	0
60901C	LONDON, ONT. KING & RECTORY	651	***	1	2	4	6	1	2	3	3
61004R	SARNIA, ONT. FRONT ST. AT C.N. TRACKS	706	***	1	4	9	11	1	4	6	6
61103C	PETERBOROUGH, ONT. 500 GEORGE STREET	713	***	0	1	2	5	0	1	2	2
61201R	CORNWALL, ONT. MEMORIAL PARK	699	1.2	1	6	11	16	1	4	8	8
61301C	ST. CATHARINES, ONT. NORTH ST. & GENEVA ST.	706	***	1	2	3	8	1	1	2	2
61501C	KITCHENER, ONT. EDNA & FREDERICK	0	---	-	-	-	-	-	-	-	-
61602R	OAKVILLE, ONT. BRONTE AND WOBURN CRES.	700	***	0	3	4	6	1	2	2	2
61701R	OSHAWA, ONT. RITSON RD. & OLIVE AVE.	698	***	0	1	2	4	0	1	2	2
61801C	GUELPH, ONT. FARQUHAR & WYNDHAM	645	***	0	1	2	2	0	1	2	2
70118R	WINNIPEG, MAN. JEFFERSON & SCOTIA	674	***	0	0	0	0	0	0	0	0
70119C	65 ELLEN STREET	429	***	0	1	2	3	0	1	1	1
70120R	604 ST. MARY'S RD.	626	***	0	0	0	1	0	0	0	0
80109C	REGINA, SASK. 1620 ALBERT STREET	690	***	0	0	1	2	0	0	0	0
80209C	SASKATOON, SASK. IDYLWYLD DR. & 33RD ST.	648	***	0	0	0	0	0	0	0	0
90121I	EDMONTON, ALTA. 17 STREET & 105 AVENUE	682	***	0	1	1	1	0	0	0	1
90218I	CALGARY, ALTA. BONNY BRK & 18A ST. S.E.	687	***	0	1	1	2	0	0	0	0
00106R	VANCOUVER, B.C. 2294 WEST 10TH AVENUE	672	***	1	1	2	2	1	1	1	1
00110R	E. HASTINGS & KENSINGTON	660	***	1	2	4	6	1	2	2	3
00111I	ROCKY PT. PARK	704	***	0	1	1	1	0	0	1	1
00112C	ROBSON/HORNBY	341	---	1	2	2	2	1	1	1	1
00302C	VICTORIA, B.C. 1250 QUADRA ST.	667	***	1	1	3	5	1	1	1	1
00401C	KAMLOOPS, B.C. 301 SEYMOUR ST.	686	***	0	0	0	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 MILLION		NOVEMBER - NOVEMBRE 1983		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	265	---	1	3	8	9	1	3	8	8	1	3	4	5
30116C	HALIFAX, N.S. BARRINGTON & DUKE	0	---	-	-	-	-	-	-	-	-	-	-	-	-
40202C	SAINT JOHN, N.B. POST OFFICE	718	1.4	1	3	5	10	1	3	4	5	2	3	3	3
50102R	MONTREAL, QUEBEC JARDIN BOTANIQUE	538	0.5	1	2	3	5	1	2	2	2	1	1	2	2
50103R	POINTE-AUX-TREMBLES	715	0.6	1	2	4	6	1	2	3	4	1	1	2	2
50104C	1125 ONTARIO EST	560	1.4	2	4	5	6	2	4	4	5	2	3	4	4
50108R	1700 BOURASSA, LONGUEUIL	0	---	-	-	-	-	-	-	-	-	-	-	-	-
50109C	DUNCAN & DECARIE	251	---	2	5	8	10	2	4	4	5	3	3	3	3
50110C	PARC PILON, MTL.-NORD	0	---	-	-	-	-	-	-	-	-	-	-	-	-
50112C	BOUL. LAURENTIDES	693	0.9	1	3	7	17	1	3	5	5	1	2	3	3
50113R	PIE X & CARDINAL	644	0.9	1	3	6	8	1	3	4	4	1	2	3	3
50115C	1001 BOUL MAISONNEUVE O.	693	3.1	4	7	10	15	4	6	8	9	4	5	5	5
50116R	3161 JOSEPH, VERDUN	624	0.7	1	2	3	5	1	2	2	3	1	2	2	2
50203R	HULL, QUEBEC GAMELIN & JOFFRE	0	---	-	-	-	-	-	-	-	-	-	-	-	-
50304C	QUEBEC, QUEBEC 325 DORCHESTER SUD	652	0.9	1	3	5	11	1	2	4	7	1	2	4	4
60101C	OTTAWA, ONT. 88 SLATER ST.	396	2.4	3	6	8	11	3	5	6	7	3	4	4	4
60104C	RIDEAU & WURTEMBERG	706	***	0	2	4	6	0	2	2	3	1	1	2	2
60204C	WINDSOR, ONT. 471 UNIVERSITY AVENUE	477	1.4	2	4	5	8	2	4	5	6	2	4	4	4
60402R	TORONTO, ONT. DON MILLS, SCIENCE CNTR	0	---	-	-	-	-	-	-	-	-	-	-	-	-
60403I	EVANS & ARNOLD	627	1.3	2	3	5	6	2	3	4	4	2	3	3	3
60410R	LAWRENCE & KENNEDY	701	1.4	2	3	4	7	2	3	4	5	2	3	4	4
60412R	BATHURST & WILSON	703	1.4	2	4	6	7	2	4	4	5	2	3	4	4
60413R	ELMCREST ROAD	0	---	-	-	-	-	-	-	-	-	-	-	-	-
60414I	SHERBOURNE & WILTON ST.	702	1.8	2	3	4	14	2	3	4	5	2	3	3	3
60415R	QUEENSWAY W & HURONTARIO	0	---	-	-	-	-	-	-	-	-	-	-	-	-
60416C	381 YONGE STREET	0	---	-	-	-	-	-	-	-	-	-	-	-	-
60417C	26 BREADALBANE STREET	687	1.1	1	2	3	4	1	2	3	3	1	2	2	2
60501C	HAMILTON, ONT. BARTON & SANFORD	709	0.9	1	3	5	6	1	3	3	4	1	3	3	3
60602R	SUDBURY, ONT. ASH STREET	700	***	0	1	3	4	0	1	2	3	0	1	1	1
60706I	SAULT STE. MARIE, ONT. FARNELL PUMP HOUSE	0	---	-	-	-	-	-	-	-	-	-	-	-	-
60901C	LONDON, ONT. KING & RECTORY	703	0.6	1	2	4	10	1	2	3	4	1	1	2	2
61004R	SARNIA, ONT. FRONT ST. AT C.N. TRACKS	685	***	0	1	3	8	0	1	4	5	0	1	2	2
61201R	CORNWALL, ONT. MEMORIAL PARK	700	***	0	1	6	8	0	1	3	5	0	1	3	3
61301C	ST. CATHARINES, ONT. NORTH ST. & GENEVA ST.	317	---	0	2	4	6	0	2	3	3	0	1	2	2
61501C	KITCHENER, ONT. EDNA & FREDERICK	0	---	-	-	-	-	-	-	-	-	-	-	-	-
61602R	OAKVILLE, ONT. BRONTE AND WOBURN CRES.	698	1.1	1	3	5	10	1	3	3	4	1	2	2	2
61701R	OSHAWA, ONT. RITSON RD. & OLIVE AVE.	702	2.4	3	4	6	7	3	4	5	5	3	4	5	5
70118R	WINNIPEG, MAN. JEFFERSON & SCOTIA	674	***	1	1	2	3	1	1	1	2	0	1	1	1
70119C	65 ELLEN STREET	623	0.6	1	2	3	6	1	1	2	3	1	2	2	2
70120R	604 ST. MARY'S RD.	663	0.5	1	2	3	4	1	2	2	2	1	2	2	2
80109C	REGINA, SASK. 1620 ALBERT STREET	561	0.9	1	3	5	6	1	2	4	5	1	2	3	3

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

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

CARBON MONOXIDE
PARTS PER MILLIONNOVEMBER - NOVEMBRE
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				MEANS ----- MOYENNES							
				INTERVALS - INTERVALLES											
				1-HOUR / HEURE				8-HOUR / HEURES				24-HOUR / HEURES			
				70	95	99	MAX	70	95	99	MAX	70	95	99	MAX
80209C	SASKATOON, SASK. IDYLWYLD DR. & 33RD ST.	637	***	1	2	3	4	1	1	2	2	1	1	1	1
	EDMONTON, ALTA.														
90121I	17 STREET & 105 AVENUE	700	1.0	1	2	4	5	1	2	3	4	1	2	2	2
90122R	127 ST. & 133 AVENUE	692	1.2	1	4	10	18	1	4	9	13	1	4	6	6
90130C	10255 - 104TH STREET	695	2.2	3	5	11	16	2	4	9	10	2	5	6	6
	CALGARY, ALTA.														
90222R	39 ST. & 29 AVE. N.W.	678	1.4	1	5	9	17	1	4	8	9	2	3	5	5
90227C	1611-4TH STREET S.W.	699	2.7	3	7	15	34	3	6	16	21	3	5	11	12
	VANCOUVER, B.C.														
00106R	2294 WEST 10TH AVENUE	699	1.6	2	5	9	13	2	4	6	7	2	4	5	5
00108I	250 WEST 70TH AVENUE	702	1.1	1	4	6	8	1	3	4	5	1	3	3	3
00110R	E. HASTINGS & KENSINGTON	698	0.9	1	2	3	5	1	2	3	3	1	1	2	2
00111I	ROCKY PT. PARK	705	0.7	1	3	6	7	1	3	4	5	1	2	4	4
00112C	ROBSON/HORNBY	700	2.0	3	5	6	8	3	4	5	6	2	3	4	4
	VICTORIA, B.C.														
00302C	1250 QUADRA ST.	671	1.0	1	4	7	13	1	3	5	6	1	2	4	4

*** CALCULATED MEANS ARE BELOW 500 PARTS PER BILLION.
LES MOYENNES SONT INFÉRIEURES À 500 PARTIES PAR BILLION.

NITROGEN DIOXIDE
PARTS PER HUNDRED MILLIONNOVEMBER - NOVEMBRE
1983DIOXYDE 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.	0	---	-	-	-	-	-	-	-	-
30116C	CPB SHEARWATER	0	---	-	-	-	-	-	-	-	-
40202C	BARRINGTON & DUKE	0	---	-	-	-	-	-	-	-	-
	SAINT JOHN, N.B.										
	POST OFFICE	718	***	1	2	3	9	1	2	2	2
	MONTREAL, QUEBEC										
50102R	JARDIN BOTANIQUE	720	3.1	4	5	6	6	4	4	5	5
50104C	1125 ONTARIO EST	720	1.1	1	4	6	6	1	4	5	5
50108R	1700 BOURASSA, LONGUEUIL	711	2.6	3	4	6	7	3	4	5	5
50109C	DUNCAN & DECARIE	0	---	-	-	-	-	-	-	-	-
50110C	PARC PILON, MTL.-NORD	704	3.6	4	8	10	13	4	7	8	8
50112C	BOUL. LAURENTIDES	700	2.0	2	3	5	11	2	4	5	6
50113R	PIE X & CARDINAL	710	2.5	3	5	7	16	3	5	6	6
50115C	1001 BOUL MAISONNEUVE O.	152	---	3	4	4	4	3	3	4	4
50116R	3161 JOSEPH, VERDUN	58	---	3	4	4	4	3	3	3	3
50203R	HULL, QUEBEC										
	GAMELIN & JOFFRE	590	1.2	2	3	3	3	2	2	3	3
50304C	QUEBEC, QUEBEC										
	325 DORCHESTER SUD	624	2.2	3	4	5	7	2	3	3	3
60101C	OTTAWA, ONT.										
	88 SLATER ST.	0	---	-	-	-	-	-	-	-	-
60104C	RIDEAU & WURTEMBERG	707	1.3	2	3	4	5	2	2	3	3
60105R	NRC, MONTREAL ROAD	496	1.5	2	3	4	4	2	3	3	3
60204C	WINDSOR, ONT.										
	471 UNIVERSITY AVENUE	703	3.2	4	6	8	10	4	5	7	8
60402R	TORONTO, ONT.										
	DON MILLS, SCIENCE CNTR	0	---	-	-	-	-	-	-	-	-
60403I	EVANS & ARNOLD	651	2.5	3	4	5	6	3	4	4	4
60410R	LAWRENCE & KENNEDY	703	1.5	2	4	5	9	2	3	4	4
60412R	BATHURST & WILSON	597	2.7	3	6	8	13	3	5	6	6
60413R	ELMCREST ROAD	0	---	-	-	-	-	-	-	-	-
60414I	SHERBOURNE & WILTON ST.	700	2.5	3	4	4	9	3	3	4	4
60415R	QUEENSWAY W & HURONTARIO	0	---	-	-	-	-	-	-	-	-
60417C	26 BREADALBANE STREET	686	2.3	3	4	5	5	3	4	4	4
60501C	HAMILTON, ONT.										
	BARTON & SANFORD	707	2.9	3	5	7	9	3	5	6	6
60505R	NORTH PARK	582	2.5	3	5	6	7	3	5	5	5
60602R	SUDBURY, ONT.										
	ASH STREET	0	---	-	-	-	-	-	-	-	-
60706I	SAULT STE. MARIE, ONT.										
	FARWELL PUMP HOUSE	0	---	-	-	-	-	-	-	-	-
60901C	LONDON, ONT.										
	KING & RECTORY	701	2.6	3	4	5	6	3	4	4	4
61004R	SARNIA, ONT.										
	FRONT ST. AT C.N. TRACKS	704	2.0	3	5	6	8	3	4	5	5
61201R	CORNWALL, ONT.										
	MEMORIAL PARK	631	1.3	2	3	4	7	1	3	3	3
61301C	ST. CATHARINES, ONT.										
	NORTH ST. & GENEVA ST.	699	1.7	2	3	5	7	2	3	4	4
61501C	KITCHENER, ONT.										
	EDNA & FREDERICK	0	---	-	-	-	-	-	-	-	-
61602R	OAKVILLE, ONT.										
	BRONTE AND WOBURN CRES.	696	1.7	2	3	4	5	2	3	3	3
61701R	OSHAWA, ONT.										
	RITSON RD. & OLIVE AVE.	704	1.9	2	4	5	5	2	4	4	4
70118R	WINNIPEG, MAN.										
	JEFFERSON & SCOTIA	682	***	0	0	1	1	0	0	0	0
70119C	65 ELLEN STREET	517	***	0	1	2	2	0	1	1	1
80109C	REGINA, SASK.										
	1620 ALBERT STREET	335	---	2	4	5	6	1	2	4	4
90122R	EDMONTON, ALTA.										
	127 ST. & 133 AVENUE	719	2.9	3	6	12	37	3	6	9	9
90130C	10255 - 104TH STREET	687	2.1	2	4	5	9	2	3	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

NOVEMBER - NOVEMBRE
1983

DIOXYDE D'AZOTE
PARTIES PAR CENT MILLIONS

STATION	LOCATION	NUMBER OF HOURLY SAMPLES NOMBRE DE DONNEES HORAIRES	MONTHLY MEAN MOYENNE MENSUELLE	FREQUENCY DISTRIBUTIONS - CENTILES - DISTRIBUTIONS DES FREQUENCES				INTERVALS - INTERVALLES				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.	674	2.1	2	4	9	13	2	4	5	5				
90227C	1611-4TH STREET S.W.	694	3.1	4	5	10	17	4	5	8	8				
VANCOUVER, B.C.															
00106R	2294 WEST 10TH AVENUE	695	3.0	4	5	5	6	3	4	4	4				
00108I	250 WEST 70TH AVENUE	649	2.4	3	6	7	8	2	5	6	6				
00110R	E. HASTINGS & KENSINGTON	563	2.1	3	3	5	7	2	3	3	3				
00111I	ROCKY PT. PARK	709	1.8	2	3	5	7	2	3	4	4				
00112C	ROBSON/HORNBY	686	2.9	4	5	6	7	3	4	4	4				
VICTORIA, B.C.															
00302C	1250 QUADRA ST.	73	---	3	4	4	4	2	2	3	3				

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

OZONE PARTS PER HUNDRED MILLION			NOVEMBER - NOVEMBRE 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						
				70	95	99	MAX	70	95	99	MAX			
30115I	HALIFAX, N.S.	0	---	-	-	-	-	-	-	-	-	-	-	
30116C	CFB SHEARWATER BARRINGTON & DUKE	0	---	-	-	-	-	-	-	-	-	-	-	
40202C	SAINT JOHN, N.B. POST OFFICE	718	1.5	2	3	5	5	2	3	4	4			
50102R	MONTREAL, QUEBEC JARDIN BOTANIQUE	720	0.6	1	2	2	3	1	2	2	2			
50103R	POINTE-AUX-TREMBLES	713	1.0	2	3	3	3	2	2	2	3			
50104C	1125 ONTARIO EST	720	0.6	1	2	2	3	1	1	2	2			
50108R	1700 BOURASSA, LONGUEUIL	713	1.1	2	3	3	4	2	2	2	2			
50109C	DUNCAN & DECARIE	0	---	-	-	-	-	-	-	-	-			
50110C	PARC PILON, MTL.-NORD	594	0.7	1	2	3	3	1	2	2	2			
50112C	BOUL. LAURENTIDES	303	---	1	2	2	2	1	1	2	2			
50113R	PIE X & CARDINAL	658	1.0	2	3	3	3	1	2	3	3			
50115C	1001 BOUL MAISONNEUVE O.	0	---	-	-	-	-	-	-	-	-			
50116R	3161 JOSEPH, VERDUN	717	0.6	1	2	2	3	1	1	2	2			
50304C	QUEBEC, QUEBEC 325 DORCHESTER SUD	626	1.1	1	3	3	4	1	2	3	3			
50306R	2026 BLVD. ST-CYRILLE	654	1.6	2	3	3	3	2	3	3	3			
60101C	OTTAWA, ONT. 88 SLATER ST.	0	---	-	-	-	-	-	-	-	-			
60104C	RIDEAU & WURTEMBERG	707	1.1	2	2	3	4	1	2	3	3			
60105R	NRC, MONTREAL ROAD	669	0.7	1	2	2	2	1	2	2	2			
60204C	WINDSOR, ONT. 471 UNIVERSITY AVENUE	533	0.8	1	2	3	5	1	2	2	2			
60402R	TORONTO, ONT. DON MILLS, SCIENCE CNTR	0	---	-	-	-	-	-	-	-	-			
60403I	EVANS & ARNOLD	672	0.7	1	2	2	2	1	1	2	2			
60410R	LAWRENCE & KENNEDY	701	0.8	1	2	3	4	1	2	2	2			
60413R	ELMCREST ROAD	0	---	-	-	-	-	-	-	-	-			
60414I	SHERBOURNE & WILTON ST.	647	0.6	1	2	2	3	1	1	2	2			
60415R	QUEENSWAY W & HURONTARIO	0	---	-	-	-	-	-	-	-	-			
60417C	26 EREDAALBANE STREET	686	0.6	1	2	2	3	1	1	2	2			
60501C	HAMILTON, ONT. BARTON & SANFORD	708	0.9	1	2	3	6	1	2	2	3			
60602R	SUDEBURY, ONT., ASH STREET	678	***	0	0	0	0	0	0	0	0			
60706I	SAULT STE. MARIE, ONT. FARWELL PUMP HOUSE	0	---	-	-	-	-	-	-	-	-			
60806R	THUNDER BAY, ONT. 435 JAMES S.	392	1.0	2	3	3	3	2	2	2	2			
60901C	LONDON, ONT. KING & RECTORY	677	0.9	1	2	3	6	1	2	2	2			
61004R	SARNIA, ONT. FRONT ST. AT C.N. TRACKS	708	1.4	2	3	3	5	2	3	3	3			
61201R	CORNWALL, ONT. MEMORIAL PARK	708	1.7	2	3	4	6	2	3	3	3			
61301C	ST. CATHARINES, ONT. NORTH ST. & GENEVA ST.	704	1.1	2	3	3	4	2	2	2	2			
61501C	KITCHENER, ONT. EDNA & FREDERICK	0	---	-	-	-	-	-	-	-	-			
61602R	OAKVILLE, ONT. BRONTE AND WOBURN CRES.	705	1.0	1	2	3	3	1	2	2	2			
61701R	OSHAWA, ONT. RITSON RD. & OLIVE AVE.	703	1.4	2	3	3	4	2	2	3	3			
70118R	WINNIPEG, MAN. JEFFERSON & SCOTIA	662	0.7	1	2	2	3	1	2	2	2			
70119C	65 ELLEN STREET	605	1.7	3	5	6	7	2	4	5	5			
80109C	REGINA, SASK. 1620 ALBERT STREET	714	1.6	2	4	9	14	2	4	4	5			
90122R	EDMONTON, ALTA. 127 ST. & 133 AVENUE	689	0.8	1	3	3	3	1	2	2	2			
90130C	10255 - 104TH STREET	677	***	1	1	2	3	1	1	1	1			

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

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

OZONE PARTS PER HUNDRED MILLION		NOVEMBER - NOVEMBRE 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					
				INTERVALS - INTERVALLES				MEANS ---- MOYENNES					
				1-HOUR / HEURE				24-HOUR / HEURES					
				70	95	99	MAX	70	95	99	MAX		
CALGARY, ALTA.													
90222R	39 ST. & 29 AVE. N.W.	670	1.0	1	3	3	4	1	2	3	3		
90227C	1611-4TH STREET S.W.	687	***	0	2	3	3	0	1	1	1		
VANCOUVER, B.C.													
00106R	2294 WEST 10TH AVENUE	499	0.6	1	2	3	3	1	1	2	2		
00108I	250 WEST 70TH AVENUE	700	0.9	1	3	3	3	1	2	2	2		
00110P	E. HASTINGS & KENSINGTON	703	0.7	1	2	2	2	1	1	1	1		
00111I	ROCKY PT. PARK	705	0.9	1	3	3	4	1	2	2	2		
00112C	ROBSON/HORNBY	707	***	0	1	1	2	0	1	1	1		
VICTORIA, B.C.													
00302C	1250 QUADRA ST.	432	1.3	2	3	4	4	2	2	3	3		

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

SOILING INDEX
COH UNITS PER 1000 LINEAR FT.

NOVEMBER - NOVEMBRE
1983

INDICE DE SOUILLEURE
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	239	0.36	0.5	0.9	2.1	2.8	0.4	0.9	1.0	1.1
50103R	POINTE-AUX-TREMBLES	196	0.24	0.3	0.6	0.9	1.4	0.3	0.4	0.4	0.5
50105C	DUNCAN & DECARIE	143	----	0.5	1.2	1.3	1.5	0.5	0.7	0.8	0.8
50110C	PARC PILON, MTL.-NORD	269	0.35	0.3	0.9	1.7	2.8	0.4	0.7	1.0	1.1
50115C	1001 BOUL. MAISONNEUVE O.	0	----	---	---	---	---	---	---	---	---
50116R	3161 JOSEPH, VERDUN	346	0.35	0.5	0.9	1.2	2.0	0.4	0.7	0.8	0.8
HULL, QUEBEC											
50203R	GAMBLIN & JOFFRE	204	0.24	0.3	0.6	1.2	1.4	0.3	0.5	0.6	0.6
TROIS-RIVIERES, QUEBEC											
50801R	HART & STE-CECILE	354	0.17	0.2	0.5	0.7	0.9	0.2	0.4	0.5	0.5
SHAWINIGAN, QUEBEC											
51201I	FRIGON & LAVAL	184	0.29	0.3	1.4	2.4	2.9	0.2	1.1	1.2	1.2
OTTAWA, ONT.											
60101C	88 SLATER ST.	0	----	---	---	---	---	---	---	---	---
60104C	RIDEAU & WURTEMBERG	673	(1) 0.23	0.3	0.6	1.0	1.3	0.3	0.5	0.6	0.6
WINDSOR, ONT.											
60204C	471 UNIVERSITY AVENUE	700	(1) 0.61	0.8	1.4	1.8	2.0	0.8	1.2	1.4	1.4
60211R	COLLEGE & PRINCE	701	(1) 0.55	0.7	1.3	1.9	2.1	0.7	1.1	1.2	1.3
TORONTO, ONT.											
60403I	EVANS & ARNOLD	675	(1) 0.50	0.6	1.3	1.7	2.1	0.6	1.1	1.2	1.3
60410R	LAWRENCE & KENNEDY	697	(1) 0.38	0.5	1.0	1.3	1.6	0.5	0.9	1.0	1.0
60412R	BATHURST & WILSON	697	(1) 0.70	0.8	2.0	2.6	2.8	0.9	1.7	1.9	1.9
60414I	SHERBOURNE & WILTON ST.	672	(1) 0.58	0.7	1.3	1.6	2.6	0.7	1.1	1.3	1.3
60417C	26 BREADALBANE STREET	693	(1) 0.51	0.6	1.2	1.5	2.0	0.5	1.1	1.3	1.3
HAMILTON, ONT.											
60501C	BARTON & SANFORD	704	(1) 0.54	0.7	1.5	1.7	1.8	0.7	1.2	1.4	1.5
60505R	NORTH PARK	659	(1) 0.68	0.9	1.8	2.2	3.0	0.8	1.6	1.7	1.7
SUDBURY, ONT.											
60602R	ASH STREET	698	(1) 0.17	0.2	0.7	1.1	1.3	0.2	0.6	0.7	0.8
LONDON, ONT.											
60901C	KING & RECTORY	702	(1) 0.36	0.5	1.0	1.5	1.8	0.5	0.8	0.9	1.0
SARNIA, ONT.											
61004R	FRONT ST. AT C.N. TRACKS	698	(1) 0.41	0.5	1.1	1.3	1.7	0.5	1.0	1.1	1.1
CORNWALL, ONT.											
61201R	MEMORIAL PARK	701	(1) 0.22	0.3	0.7	1.3	1.9	0.3	0.6	0.9	0.9
ST. CATHARINES, ONT.											
61301C	NORTH ST. & GENEVA ST.	697	(1) 0.30	0.3	1.1	1.7	2.5	0.4	0.9	1.4	1.5
OAKVILLE, ONT.											
61602R	BRONTE AND WOBURN CRES.	693	(1) 0.40	0.5	1.2	1.5	1.9	0.4	1.1	1.3	1.4
OSHAWA, ONT.											
61701R	RITSON RD. & OLIVE AVE.	698	(1) 0.40	0.4	1.3	1.6	2.2	0.5	1.1	1.3	1.4
WINNIPEG, MAN.											
70118R	JEFFERSON & SCOTIA	358	****	0.1	0.2	0.3	0.3	0.1	0.1	0.2	0.2
70119C	85 ELLEN STREET	280	0.14	0.2	0.3	0.6	1.1	0.1	0.3	0.3	0.3
70120R	604 ST. MARY'S RD.	307	****	0.0	0.1	0.3	0.4	0.0	0.1	0.1	0.2
EDMONTON, ALTA.											
90122R	127 ST. & 133 AVENUE	719	(1) 0.32	0.3	0.9	1.9	2.7	0.3	0.9	1.2	1.2
90130C	10255 - 104TH STREET	711	(1) 0.33	0.4	0.8	1.6	2.5	0.4	0.7	1.1	1.2
CALGARY, ALTA.											
90218I	BONNY BRK & 18A ST. S.E.	720	(1) 0.44	0.5	1.3	2.5	3.6	0.5	0.9	2.0	2.1
90222R	39 ST. & 29 AVE. N.W.	719	(1) 0.20	0.2	0.6	1.2	1.6	0.2	0.4	0.7	0.7
90227C	1611-4TH STREET S.W.	682	(1) 0.50	0.5	1.3	2.3	3.3	0.5	1.0	1.7	1.8
VANCOUVER, B.C.											
00102R	100 RICHMOND STREET	360	0.25	0.3	0.7	1.1	1.5	0.3	0.5	0.6	0.7
00106R	2294 WEST 10TH AVENUE	360	0.31	0.4	0.8	1.9	4.9	0.3	0.8	0.9	0.9
00108I	250 WEST 70TH AVENUE	229	****	0.1	0.3	0.4	0.5	0.1	0.2	0.2	0.2
00110R	E. HASTINGS & KENSINGTON	18	----	0.2	0.3	0.3	0.3	0.2	0.2	0.2	0.2
00111I	ROCKY PT. PARK	355	0.25	0.3	0.7	1.0	1.4	0.3	0.5	0.6	0.7
00112C	ROBSON/HORNEY	0	----	---	---	---	---	---	---	---	---
PRINCE GEORGE, B.C.											
00202C	1011 4TH AVENUE	286	0.32	0.4	0.9	1.3	1.3	0.4	0.5	0.6	0.7

(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.

NOVEMBER - NOVEMBRE
1983

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
00302C	VICTORIA, B.C. 1250 QUADRA ST.	360	0.11	0.1	0.3	0.6	0.6	0.1	0.2	0.3	0.3
09001C	WHITEHORSE, YUKON FEDERAL BUILDING	360	0.29	0.3	0.9	1.6	2.0	0.3	0.8	0.9	0.9

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

SUSPENDED PARTICULATE MATTER AND LEAD
MICROGRAMS PER CUBIC METRENOVEMBER - NOVEMBRE
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, NPLD. DUCKWORTH & ORDINANCE	24	24	11	27	15	20	0.2	0.2	0.1	0.2	0.1	0.1
20101C	CHARLOTTETOWN, P.E.I. 56 FITZROY ST.	-	-	-	-	-	-	-	-	-	-	-	-
30101C	HALIFAX, N.S. N.S. TECHNICAL COLLEGE	33	63	27	19	45	37	0.1	0.1	0.2	0.1	0.0	0.1
30102R	DALHOUSIE UNIVERSITY	-	14	23	-	18	18	-	0.1	0.2	-	0.0	0.1
30114R	MT ST VINCENT UNIVERSITY	14	11	16	12	14	13	0.2	0.0	0.1	0.1	0.0	0.1
30115I	CFB SHEARWATER	11	70	21	11	25	28	0.0	0.0	0.1	0.0	0.0	0.0
30310C	SYDNEY, N.S. COUNTY JAIL	28	38	54	37	35	38	0.6	0.2	0.0	0.0	0.3	0.2
30311R	WHITNEY PIER FIRE STN.	150	47	54	56	129	87	0.4	0.3	0.4	0.2	0.2	0.3
30408R	GLACE BAY, N.S. SOUTH STREET	47	24	56	35	65	45	0.0	0.0	0.1	0.0	0.0	0.0
40102C	FREDERICTON, N.E. YORK STREET	46	23	53	38	21	36	0.5	0.2	0.9	0.2	0.1	0.4
40201C	SAINT JOHN, N.B. 110 CHARLOTTE STREET	26	27	29	20	31	27	0.1	0.1	0.2	0.2	0.1	0.1
50102R	MONTREAL, QUEBEC JARDIN BOTANIQUE	61	60	55	35	62	55	-	-	-	-	-	-
50103R	POINTE-AUX-TREMBLES	90	73	96	33	71	73	-	-	-	-	-	-
50104C	1125 ONTARIO EST	96	67	76	39	45	65	-	-	-	-	-	-
50108R	1700 BOURASSA, LONGUEUIL	60	67	43	35	40	49	-	-	-	-	-	-
50109C	DUNCAN & DECARIE	88	210	98	66	153	123	-	-	-	-	-	-
50110C	PARC PILON, MTL.-NORD	95	47	102	43	30	63	-	-	-	-	-	-
50112C	BOUL. LAURENTIDES	61	54	74	-	39	57	-	-	-	-	-	-
50113P	PIE X & CARDINAL	62	32	51	34	24	41	-	-	-	-	-	-
50116R	3161 JOSEPH, VERDUN	62	59	68	36	33	52	-	-	-	-	-	-
50203R	HULL, QUEBEC GAMBLIN & JOFFRE	100	72	73	23	21	58	0.9	0.9	0.5	0.1	0.0	0.5
50303I	QUEBEC, QUEBEC CENTRE LOISIRS LIMOILLOU	134	61	113	91	46	89	-	-	-	-	-	-
50304C	325 DORCHESTER SUD	78	57	79	72	43	66	-	-	-	-	-	-
50306R	2026 BLVD. ST-CYRILLE	88	43	48	45	21	49	-	-	-	-	-	-
50403C	SHERBROOKE, QUEBEC WELLINGTON & ALBERT	25	110	-	64	41	60	-	-	-	-	-	-
50502R	CHICOUTIMI, QUEBEC USINE DE FILTRATION	-	-	-	-	-	-	-	-	-	-	-	-
50503C	222 RACINE	26	41	-	44	35	37	-	-	-	-	-	-
50601C	ROUYN, QUEBEC HOTEL DE VILLE	141	21	23	12	127	65	-	-	-	-	-	-
50701C	SEPT-ILES, QUEBEC HOTEL DE VILLE	35	-	38	10	14	24	-	-	-	-	-	-
50801R	TROIS-RIVIERES, QUEBEC HART & STE-CECILE	49	79	-	54	35	54	-	-	-	-	-	-
50901R	ARVIDA, QUEBEC POWELL & HOOPES	115	42	127	306	-	148	-	-	-	-	-	-
51002R	TRACY, QUEBEC GARNEAU & RTE 132	112	62	96	77	29	75	-	-	-	-	-	-
51101C	THETFORD MINES, QUEBEC BOUL. STE-MARTHE	84	29	75	19	9	43	-	-	-	-	-	-
51201I	SHAWINIGAN, QUEBEC FRIGON & LAVAL	482	257	-	50	73	216	-	-	-	-	-	-
51301R	BAIE COMEAU, QUEBEC 39 AVE. MARGUERITE	40	20	13	30	0	21	-	-	-	-	-	-
60101C	OTTAWA, ONT. 88 SLATER ST.	99	-	-	-	-	-	0.9	-	-	-	-	-
60104C	RIDEAU & WURTEMBURG	37	-	-	46	25	36	0.3	-	-	0.1	0.1	0.2
60105R	NRC, MONTREAL ROAD	39	43	52	28	22	37	0.5	0.3	0.2	0.1	0.1	0.2
60201I	WINDSOR, ONT. MORTON TERMINAL DOCK	65	64	54	35	65	57	0.1	0.1	0.1	0.1	0.1	0.1
60202C	CITY HALL	65	60	57	27	55	53	0.5	0.2	0.4	0.0	0.2	0.3
60203R	TECUMSEH WATER WORKS	44	56	28	19	39	37	0.2	0.3	0.2	0.0	0.0	0.1
60204C	471 UNIVERSITY AVENUE	42	90	61	-	62	64	0.4	0.5	0.4	-	0.4	0.4
60301R	KINGSTON, ONT. QUEEN'S UNIVERSITY	-	-	-	-	-	-	-	-	-	-	-	-
60402R	TORONTO, ONT. DON MILLS, SCIENCE CNTR	76	82	20	-	-	59	0.0	0.0	0.0	-	-	0.0
60403I	EVANS & ARNOLD	41	23	19	41	46	34	1.3	0.7	1.3	0.5	0.4	0.8

SUSPENDED PARTICULATE MATTER AND LEAD
 MICROGRAMS PER CUBIC METRE

 NOVEMBER - NOVEMBRE
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 PLOMB 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	
60409R	REDLANDS CRESCENT	-	54	32	25	34	36	-	0.0	0.0	0.0	0.0	0.0
60410R	LAWRENCE & KENNEDY	62	90	47	28	21	50	0.6	0.8	0.5	0.2	0.2	0.5
60412R	BATHURST & WILSON	95	65	70	42	-	68	1.6	1.0	1.4	1.0	-	1.3
60413R	ELMCREST ROAD	67	77	85	50	28	61	0.4	0.5	0.3	0.1	0.1	0.3
60414I	SHERBOURNE & WILTON ST.	105	130	108	-	41	95	0.9	0.9	0.9	-	0.0	0.7
60415R	QUEENSWAY W & HURONTARIO	75	107	129	42	97	90	0.3	0.5	0.7	0.0	0.2	0.3
60417C	26 BREADALBANE STREET	94	86	56	36	27	60	0.7	0.4	0.5	0.2	0.2	0.4
HAMILTON, ONT.													
60501C	BARTON & SANFORD	68	92	139	105	56	92	0.7	0.6	1.0	0.9	0.4	0.7
60503I	CHATHAM & FRID	95	115	116	74	63	93	0.5	0.3	0.7	0.3	0.2	0.4
60505R	NORTH PARK	153	200	68	73	75	114	1.0	1.1	0.6	0.2	0.8	0.7
SUDBURY, ONT.													
60602R	ASH STREET	61	35	27	-	27	38	0.2	0.1	0.1	-	0.1	0.1
60605C	19 LISGAR STREET	68	45	24	-	-	46	0.4	0.2	0.2	-	-	0.3
SAULT STE. MARIE, ONT.													
60706I	FARWELL PUMP HOUSE	42	105	43	39	31	52	0.4	0.2	0.5	0.2	0.2	0.3
THUNDER BAY, ONT.													
60801C	14 ALGOMA STREET	45	41	33	13	18	30	0.1	0.1	0.5	0.1	0.1	0.2
60806R	435 JAMES S.	41	65	32	18	-	39	0.2	0.1	0.4	0.0	-	0.2
LONDON, ONT.													
60901C	KING & RECTORY	67	73	76	28	52	59	0.8	0.6	0.6	0.3	0.4	0.5
60902C	372 DUNDAS	47	-	53	21	-	40	0.4	-	0.5	0.0	-	0.3
SARNIA, ONT.													
61004R	FRONT ST. AT C.N. TRACKS	93	97	58	28	39	63	0.3	0.2	0.3	0.1	0.1	0.2
PETERBOROUGH, ONT.													
61103C	500 GEORGE STREET	68	76	28	42	19	47	0.6	0.7	0.2	0.2	0.2	0.4
CORNWALL, ONT.													
61201R	MEMORIAL PARK	108	50	44	-	-	67	0.8	0.2	0.3	-	-	0.4
ST. CATHARINES, ONT.													
61301C	NORTH ST. & GENEVA ST.	54	74	102	47	45	64	0.2	0.2	-	-	-	-
KITCHENER, ONT.													
61501C	EDNA & FREDERICK	55	60	88	31	39	55	0.4	0.3	1.8	0.5	0.3	0.7
OAKVILLE, ONT.													
61602R	BRONTE AND WOBURN CRES.	16	64	25	34	-	35	0.2	0.4	0.2	0.1	-	0.2
OSHAWA, ONT.													
61701R	RITSON RD. & OLIVE AVE.	82	81	46	36	36	56	0.8	0.7	0.2	0.4	0.2	0.5
GUELPH, ONT.													
61801C	FARQUHAR & WYNDHAM	-	-	48	21	30	33	-	-	0.3	0.0	0.0	0.1
WINNIPEG, MAN.													
70102R	PORTAGE & WOODLAWN	27	34	38	5	20	25	0.4	0.5	0.5	0.1	0.3	0.3
70104I	UNION STOCK YARDS	87	85	61	15	13	52	0.3	0.2	0.2	0.1	0.1	0.2
70118R	JEFFERSON & SCOTIA	18	21	14	6	10	14	0.2	0.2	0.1	0.0	0.1	0.1
70119C	65 ELLEN STREET	55	70	39	15	13	38	0.3	0.3	0.2	0.1	0.2	0.2
70120R	604 ST. MARY'S RD.	36	29	26	0	10	20	0.2	0.2	0.2	0.1	0.2	0.2
BRANDON, MAN.													
70201C	11TH ST. & PRINCESS AVE.	57	46	36	0	13	30	0.4	0.4	0.3	0.1	0.3	0.3
REGINA, SASK.													
80102R	3211 ALBERT STREET	14	22	10	13	59	24	0.0	0.2	0.1	0.0	0.2	0.1
80105C	1620 ALBERT STREET	41	59	14	11	11	27	0.2	0.4	0.2	0.1	0.3	0.2
SASKATOON, SASK.													
80203R	30TH ST. & 833 P AVE.	-	27	-	24	21	24	-	0.2	-	0.1	0.3	0.2
80209C	XDYLWYLD DR. & 33RD ST.	38	21	4	11	14	18	0.2	0.1	0.1	0.1	0.2	0.1
MOOSE JAW, SASK.													
80301C	FAIRFORD ST. & 1ST AVE.	42	45	30	14	18	30	0.0	0.3	0.2	0.2	0.2	0.2
LLOYDMINSTER, SASK.													
80601C	44TH ST. & 48TH AVE.	22	14	14	8	21	16	0.3	0.3	0.2	0.6	0.2	0.3
EDMONTON, ALTA.													
90121I	17 STREET & 105 AVENUE	25	55	71	16	21	38	-	-	-	-	-	-
90122R	127 ST. & 133 AVENUE	97	54	50	16	37	51	-	-	-	-	-	-
90130C	10255 - 104TH STREET	39	57	117	24	28	53	-	-	-	-	-	-
CALGARY, ALTA.													
90204C	316-7TH AVENUE	90	134	115	30	91	92	-	-	-	-	-	-
90218I	BONNY BRK & 18A ST. S.E.	91	181	110	30	89	100	-	-	-	-	-	-
90222R	39 ST. & 29 AVE. N.W.	36	67	41	19	45	42	-	-	-	-	-	-
YELLOWKNIFE, N.W.T.													
99001C	50TH AVE. & 49TH STREET	19	48	21	20	18	25	0.1	0.2	0.3	0.1	0.1	0.2
VANCOUVER, B.C.													
00102R	100 RICHMOND STREET	20	32	18	27	15	22	0.3	0.4	0.5	0.6	0.3	0.4
00104R	27TH & ONTARIO	17	-	20	22	19	20	0.5	-	1.1	0.4	0.5	0.6

SUSPENDED PARTICULATE MATTER AND LEAD
MICROGRAMS PER CUBIC METRE

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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	21	29	-	-	23	44	0.3	0.4	-	-	0.5	0.4
00108I	250 WEST 70TH AVENUE	46	54	-	-	17	39	0.4	0.5	-	-	0.2	0.4
00109C	970 BURRARD	28	31	19	23	-	25	0.4	0.3	0.5	0.3	-	0.4
00110P	E. HASTINGS & KENSINGTON	12	19	10	20	10	14	0.3	0.6	0.2	0.5	0.3	0.4
00111I	ROCKY PT. PARK	18	27	13	26	13	19	0.1	0.2	0.1	0.3	0.2	0.2
00113I	ANNACIS ISLAND, DELTA	21	41	17	32	15	25	0.4	0.6	0.3	0.4	0.6	0.5
00114C	MUNICIPAL HALL, RICHMOND	20	26	16	25	24	22	0.1	0.5	0.4	0.3	0.6	0.4
00115R	NEWTON ELEM. SCH., SURREY	14	-	-	26	-	-	0.3	-	-	0.2	-	-
00116R	FIRE HALL, N. VANCOUVER	-	16	11	25	13	16	-	0.9	0.4	0.0	0.1	0.4
00117R	BCIT BURNABY	16	-	-	29	15	20	0.1	-	-	0.1	0.0	0.1
00202C	PRINCE GEORGE, B.C. 1011 4TH AVENUE	-	-	-	33	34	-	-	-	-	0.1	0.1	-
00302C	VICTORIA, B.C. 1250 QUADRA ST.	-	-	-	36	24	-	-	-	-	0.7	0.4	-
00401C	KAMLOOPS, B.C. 301 SEYMOUR ST.	-	-	-	-	-	-	-	-	-	-	-	-
00601C	PENTICTON, B.C. 400 CARMICHAEL AVE.	-	-	-	24	10	-	-	-	-	0.1	0.1	-
09001C	WHITEHORSE, YUKON FEDERAL BUILDING	17	12	10	24	29	18	0.3	0.3	0.4	0.2	0.5	0.3

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

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

STATION	LOCATION EMPLACEMENT	*----- DAY / JOUR -----*				
		2	8	14	20	26
10101C	ST. JOHN'S, Nfld. DUCKWORTH & ORDINANCE	1	0	0	-	0
20101C	CHARLOTTETOWN, P.E.I. 56 FITZROY ST.	-	-	-	-	-
30114R	HALIFAX, N.S. MT ST VINCENT UNIVERSITY	-	-	-	-	-
30115I	CFB SHEARWATER	-	-	-	-	-
30310C	SYDNEY, N.S. COUNTY JAIL	-	-	-	-	-
30311R	WHITNEY PIER FIRE STN.	-	-	-	-	-
30408R	GLACE BAY, N.S. SOUTH STREET	-	-	-	-	-
50102R	MONTREAL, QUEBEC JARDIN BOTANIQUE	4	2	1	0	1
50103R	POINTE-AUX-TREMBLES	0	1	0	0	-
50104C	1125 ONTARIO EST	3	2	1	0	1
50108R	1700 BOURASSA, LONGUEUIL	0	0	0	0	0
50109C	DUNCAN & DECARIE	6	15	-	2	2
50110C	PARC PILON, MTL.-NORD	7	2	3	1	-
50112C	BOUL. LAURENTIDES	-	0	1	-	0
50113R	PIE X & CARDINAL	0	0	0	0	0
50116R	3161 JOSEPH, VERDUN	2	1	-	-	-
50203R	HULL, QUEBEC GAMELIN & JOFFRE	3	3	2	0	0
50303I	QUEBEC, QUEBEC CENTRE LOISIRS LIMOILLOU	8	1	11	11	1
50304C	325 DORCHESTER SUD	4	1	2	0	0
50306R	2026 BLVD. ST-CYRILLE	3	1	0	0	0
50601C	ROUYN, QUEBEC HOTEL DE VILLE	6	0	0	0	0
50701C	SEPT-ILES, QUEBEC HOTEL DE VILLE	1	-	0	0	0
50801R	TROIS-RIVIERES, QUEBEC HART & STE-CECILE	-	-	-	-	0
50901R	ARVIDA, QUEBEC POWELL & HOOPES	4	0	15	20	-
51201I	SHAWINIGAN, QUEBEC FRIGON & LAVAL	4	6	-	0	1
51301R	BAIE COMEAU, QUEBEC 39 AVE. MARGUETTE	-	-	1	3	-
60101C	OTTAWA, ONT. 88 SLATER ST.	6	-	-	-	-
60104C	RIDEAU & WURTEMBERG	-	-	-	0	0
60105R	NRC, MONTREAL ROAD	0	1	1	0	0
60201I	WINDSOR, ONT. MORTON TERMINAL DOCK	-	-	-	-	-
60204C	471 UNIVERSITY AVENUE	1	6	2	-	3
60402R	TORONTO, ONT. DON MILLS, SCIENCE CNTR	-	-	-	-	-
60403I	EVANS & ARNOLD	1	1	0	0	0
60409R	REDLANDS CRESCENT	-	-	-	-	-
60410R	LAWRENCE & KENNEDY	2	6	0	0	0
60412R	BATHURST & WILSON	7	3	1	0	-
60413R	ELMKREST ROAD	-	-	-	-	-
60414I	SHERBOURNE & WILTON ST.	3	3	2	-	0
60415R	QUEENSWAY W & HURONTARIO	0	-	7	0	1
60417C	26 BREADALBANE STREET	5	4	2	0	0
60501C	HAMILTON, ONT. BARTON & SANFORD	2	7	10	4	0
60505R	NORTH PARK	6	19	2	2	4
60602R	SUDBURY, ONT. ASH STREET	2	1	-	-	0
60706I	SAULT STE. MARIE, ONT. FARWELL PUMP HOUSE	-	-	-	-	-
60806R	THUNDER BAY, ONT. 435 JAMES S.	0	0	0	0	-
60901C	LONDON, ONT. KING & RECTORY	1	3	1	0	1

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

NOVEMBER - NOVEMBRE
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	9	15	1	1	0
61103C	PETERBOROUGH, ONT. 500 GEORGE STREET	2	3	0	0	0
61201R	CORNWALL, ONT. MEMORIAL PARK	2	0	1	-	-
61301C	ST. CATHARINES, ONT. NORTH ST. & GENEVA ST.	1	3	3	1	0
61501C	KITCHENER, ONT. EDNA & FREDERICK	-	-	-	-	-
61602R	OAKVILLE, ONT. BRONTE AND WOBURN CRES.	0	3	0	0	-
61701R	OSHAWA, ONT. RITSON RD. & OLIVE AVE.	1	3	0	0	0
61801C	GUELPH, ONT. FARQUHAR & WYNDHAM	-	-	2	0	0
70118R	WINNIPEG, MAN. JEFFERSON & SCOTIA	0	0	0	0	0
70119C	65 ELLEN STREET	0	0	0	-	-
70120R	604 ST. MARY'S RD.	0	0	0	0	0
80109C	REGINA, SASK. 1620 ALBERT STREET	0	0	0	0	0
80209C	SASKATOON, SASK. IDYLWYLD DR. & 33RD ST.	0	0	0	0	+
90121I	EDMONTON, ALTA. 17 STREET & 105 AVENUE	0	0	1	0	0
90218I	CALGARY, ALTA. BONNY BRK & 16A ST. S.E.	0	1	0	0	0
00106R	VANCOUVER, B.C. 2294 WEST 10TH AVENUE	0	1	-	-	1
00110R	E. HASTINGS & KENSINGTON	0	1	0	0	-
00111I	ROCKY PT. PARK	0	0	0	0	0
00302C	VICTORIA, B.C. 1250 QUADRA ST.	-	-	-	1	0
00401C	KAMLOOPS, B.C. 301 SEYMOUR ST.	-	-	-	-	-

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

NOVEMBER - NOVEMBRE
1983

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

STATION	LOCATION EMPLACEMENT	DUSTFALL RETOMBEES DE POUSSIÈRES	S03
	SYDNEY, N.S.		
30301R	MURPHY ROAD	-	- **
30309I	PT EDWARD, RICHMOND PLST	-	- **
30310C	COUNTY JAIL	6.1	- **
30311R	WHITNEY PIER FIRE STN.	4.7	- **
	GLACE BAY, N.S.		
30401R	LAKE ROAD	-	- **
30405C	GENERAL HOSPITAL	-	- **
	MONTREAL, QUEBEC		
50101R	7405 CHAMPAGNEUR	-	- *
50102R	JARDIN BOTANIQUE	1.0	- *
50103R	POINTE-AUX-TREMBLES	7.0	- *
	TORONTO, ONT.		
60403I	EVANS & ARNOLD	2.9	-
60404R	5126 YONGE STREET	3.3	-
60405I	JOHN STREET PUMP STATION	10.6	-
60406R	ROSEHILL RESERVOIR	6.6	-
60408C	DANFORTH & ROBINSON	5.4	-
	HAMILTON, ONT.		
60501C	BARTON & SANFORD	6.0	-
60502I	BURLINGTON & GAGE	9.5	-
60503I	CHATHAM & FRID	7.7	-
60507C	HUGHSON & HUNTER	2.5	-
60510I	STRATHEARN	21.9	-
	SAULT STE. MARIE, ONT.		
60702R	ANNA MCREEA PUBLIC SCHOOL	4.4	-
60703I	BAYVIEW & YOUNG	-	-
	THUNDER BAY, ONT.		
60801C	14 ALGOMA STREET	2.4	-
	WINNIPEG, MAN.		
70105R	MARTIN & HENDERSON HWY	3.9	0.0 **
70110C	KENNEDY & ST. MARY'S	3.1	-
70113I	WINDERMERE & ROCKMAN	2.4	0.1 **
70115C	PORTAGE & MINTO	4.6	0.0 **
70116I	SMITH & KING	7.0	0.1 **
	EDMONTON, ALTA.		
90125C	PRINS ELIZABETH & 108 ST	3.2	0.1 **
90126R	77 AVENUE & 85 STREET	3.2	0.0 **
90127I	115 AVENUE & 159 STREET	5.2	0.1 **
90128R	99 AVENUE & 160 STREET	4.5	0.1 **
	CALGARY, ALTA.		
90219C	620-7TH AVENUE, S.W.	5.1	0.1 **
90221R	DALHOUSIE DR & DALHAM DR	4.8	0.0 **
90223C	11 ST. & 38 AVE. S.E.	4.9	0.1 **
90224I	OGDENDALE & 71 AVE S.E.	4.7	0.1 **
90225R	PALLISER DR & OAKWOOD SW	2.6	0.1 **
90226I	SHEPPARD & 84 AVE S.E.	3.8	0.1 **

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

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