

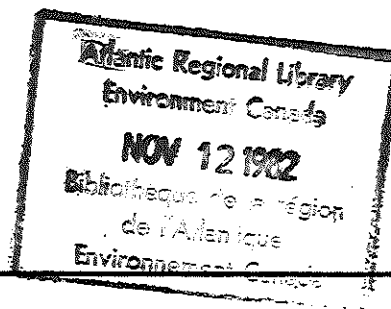


Environment
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Service de la
protection de
l'environnement



Monthly Summary December 1981

National Air Pollution Surveillance

Surveillance nationale de la pollution atmosphérique

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

1981

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Surveillance Report
EPS 5-AP-81-12

Air Pollution
Control Directorate

Rapport de surveillance
EPS 5-AP-81-12

Direction générale de
l'assainissement de l'air

Canada

SULPHUR DIOXIDE
PARTS PER HUNDRED MILLIONDECEMBER - DECEMBRE
1981DIOXYDE 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, NFLD. DUCKWORTH & ORDINANCE	597	***	1	2	2	3	1	1	1	1
20101C	CHARLOTTETOWN, P.E.I. 56 FITZROY ST.	0	---	-	-	-	-	-	-	-	-
30114R	HALIFAX, N.S. MT ST VINCENT UNIVERSITY	682	***	0	2	5	9	0	1	2	2
30115I	CFB SHEARWATER	657	***	0	3	5	8	0	1	3	3
30116C	BARRINGTON & DUKE	400	***	1	2	3	3	1	2	2	2
30310C	SYDNEY, N.S. COUNTY JAIL	550	***	1	2	4	6	1	1	2	2
30311R	WHITNEY PIER FIRE STN.	347	---	1	4	9	16	2	3	4	4
30408R	GLACE BAY, N.S. SOUTH STREET	410	***	1	3	8	15	1	2	4	4
40202C	SAINT JOHN, N.B. POST OFFICE	689	1.7	2	4	7	14	2	4	4	4
50101R	MONTREAL, QUEBEC PARC JARRY	250	---	1	2	3	4	1	2	2	2
50102R	JARDIN BOTANIQUE	615	1.7	2	4	6	9	2	3	4	4
50103R	POINTE-AUX-TREMBLES	628	3.6	3	16	25	45	5	9	12	13
50104C	1125 ONTARIO EST	672	2.1	2	5	7	10	2	4	6	6
50105C	1212 DRUMMOND	317	---	3	5	6	8	3	4	4	4
50106R	VILLE ST-LAURENT	480	***	0	0	0	0	0	0	0	0
50109C	DUNCAN & DECARIE	541	1.1	1	4	6	7	2	3	3	4
50110C	PARC PILON, MTL.-NORD	623	1.9	2	4	5	11	2	3	4	4
50112C	BOUL. LAURENTIDES	507	1.1	1	4	6	8	1	2	4	5
50113R	PIE X & CARDINAL	583	1.5	2	4	7	10	2	3	5	5
50115C	METCALFE & MAISONNEUVE	0	---	-	-	-	-	-	-	-	-
50116R	3161 JOSEPH, VERDUN	682	1.6	2	4	7	8	2	4	4	5
50203R	HULL, QUEBEC GAMBLIN & JOFFRE	699	***	1	2	4	5	1	2	3	3
50303I	QUEBEC, QUEBEC CENTRE LOISIRS LIMOILLOU	0	---	-	-	-	-	-	-	-	-
50304C	325 DORCHESTER SUD	613	2.3	2	10	14	21	3	8	10	10
50306R	2026 BLVD. ST-CYRILLE	604	1.0	1	3	4	6	1	2	3	3
50601C	ROUYN, QUEBEC HOTEL DE VILLE	666	***	0	4	19	58	1	6	12	12
50701C	SEPT-ILES, QUEBEC HOTEL DE VILLE	464	***	0	1	1	1	0	0	1	1
50801R	TROIS-RIVIERES, QUEBEC HART & STE-CECILE	658	1.8	2	5	9	11	2	4	7	7
50901R	ARVIDA, QUEBEC POWELL & HOOPES	656	1.4	1	9	13	14	1	7	10	10
51001R	TRACY, QUEBEC 3225 AVE COURSHESNE	586	***	1	3	8	18	1	3	5	5
51201I	SHAWINIGAN, QUEBEC FRIGON & LAVAL	668	1.2	1	4	8	14	1	3	6	6
51301R	BAIE COMEAU, QUEBEC 39 AVE. MARGUETTE	0	---	-	-	-	-	-	-	-	-
60101C	OTTAWA, ONT. 88 SLATER ST.	680	1.5	2	4	6	9	2	3	5	5
60104C	RIDEAU & WURTEMBERG	734	1.2	2	5	6	6	2	4	5	5
60105R	NRC, MONTREAL ROAD	0	---	-	-	-	-	-	-	-	-
60201I	WINDSOR, ONT. MORTON TERMINAL DOCK	739	1.4	2	4	5	10	2	3	3	4
60204C	471 UNIVERSITY AVENUE	661	1.5	2	6	8	11	2	4	5	5
60211R	COLLEGE & PRINCE	732	***	0	2	4	7	0	2	2	2
60302R	KINGSTON, ONT. NAPIER STREET	742	***	0	0	0	0	0	0	0	0
60402R	TORONTO, ONT. DON MILLS, SCIENCE CNTR	731	***	1	3	5	11	1	2	4	4
60403I	EVANS & ARNOLD	0	---	-	-	-	-	-	-	-	-
60409R	REDLANDS CRESCENT	586	***	1	2	4	6	1	2	2	3
60410R	LAWRENCE & KENNEDY	736	***	1	3	5	9	1	2	3	3
60412R	BATHURST & WILSON	665	***	1	3	5	8	1	3	3	3
60413R	ELMCREST ROAD	743	***	1	2	3	5	1	1	2	2

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

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

SULPHUR DIOXIDE
PARTS PER HUNDRED MILLIONDECEMBER - DECEMBRE
1981DIOXYDE DE SOUFRE
PARTIES PAR CENT MILLIONS

STATION	LOCATION EMPLACEMENT	NUMBER OF HOURLY SAMPLES NOMBRE DE DONNEES HORAIRES	MONTHLY MEAN MOYENNE MENSUELLE	FREQUENCY DISTRIBUTIONS - CENTILES - INTERVALS - INTERVALLES				DISTRIBUTIONS DES FREQUENCES MEANS ---- MOYENNES			
				1-HOUR / HEURE				24-HOUR / HEURES			
				70	95	99	MAX	70	95	99	MAX
60414I	SHERBOURNE & WILTON ST.	736	***	1	2	4	8	1	2	2	2
60415R	QUEENSWAY W & HURONTARIO	697	***	1	2	3	6	1	2	2	2
60417C	26 BREADALBANE	729	1.2	1	3	6	10	2	3	4	4
60501C	HAMILTON, ONT. BARTON & SANFORD	727	***	1	2	4	6	1	2	3	3
60505R	NORTH PARK	731	1.5	2	5	7	12	2	4	5	5
60602R	SUDEBURY, ONT. ASH STREET	735	***	1	3	5	14	1	2	3	3
60606C	KENNEDY STREET	723	***	1	3	8	30	1	3	4	4
60704C	SAULT STE. MARIE, ONT. QUEEN & ELGIN	738	***	1	2	2	6	1	1	1	1
60806R	THUNDER BAY, ONT. 435 JAMES S.	741	***	0	0	1	2	0	0	1	1
60901C	LONDON, ONT. KING & RECTORY	726	***	1	2	3	4	1	2	2	2
61004R	SARNIA, ONT. FRONT ST. AT C.N. TRACKS	731	1.7	2	8	12	17	2	7	9	10
61103C	PETERBOROUGH, ONT. 500 GEORGE STREET	742	***	0	1	2	2	0	1	1	1
61201R	CORNWALL, ONT. MEMORIAL PARK	732	1.2	1	4	9	17	2	3	3	4
61301C	ST. CATHARINES, ONT. NORTH ST. & GENEVA ST.	729	***	1	2	5	10	1	2	3	3
61501C	KITCHENER, ONT. EDNA & FREDERICK	731	***	1	2	4	4	1	2	2	2
61602R	OAKVILLE, ONT. BRONTE AND WOBURN CRES.	729	***	1	4	7	23	1	3	5	6
61701R	OSHAWA, ONT. RITSON RD. & OLIVE AVE.	725	***	1	3	4	6	1	2	2	2
61801C	GUELPH, ONT. PARQUHAR & WYNDHAM	738	***	1	1	2	2	1	1	2	2
70118R	WINNIPEG, MAN. JEFFERSON & SCOTIA	672	***	0	0	1	2	0	0	0	0
70119C	65 ELLEN STREET	607	***	0	0	3	4	0	0	1	1
70120R	604 ST. MARY'S RD.	272	---	0	0	0	0	0	0	0	0
80109C	REGINA, SASK. 1620 ALBERT STREET	0	---	-	-	-	-	-	-	-	-
80209C	SASKATOON, SASK. IDYLWYLD DR. & 33RD ST.	343	---	0	0	0	0	0	0	0	0
80301C	MOOSE JAW, SASK. FAIRFORD ST. & 1ST AVE.	230	---	0	0	0	1	0	0	0	0
80401C	PRINCE ALBERT, SASK. 1257-1ST AVE. EAST	682	***	0	0	0	0	0	0	0	0
90121I	EDMONTON, ALTA. 17 STREET & 105 AVENUE	708	***	0	1	1	3	0	0	1	1
90218I	CALGARY, ALTA. BONNY BRK & 18A ST. S.E.	703	***	0	1	2	7	0	1	1	1
90222R	39 ST. & 29 AVE. N.W.	471	***	0	2	3	6	0	1	2	2
90227C	1611-4TH STREET S.W.	709	1.2	1	2	3	8	1	2	2	2
00106R	VANCOUVER, B.C. 2294 WEST 10TH AVENUE	683	***	1	1	2	2	1	1	1	1
00110R	E. HASTINGS & KENSINGTON	718	***	1	1	2	3	1	1	1	1
00111I	ROCKY PT. PARK	697	***	1	1	2	6	1	1	1	1
00112C	ROBSON/HORNBY	704	***	1	1	2	2	1	1	1	2
00302C	VICTORIA, B.C. 1106 COOK ST.	614	***	1	3	5	10	1	2	4	4
00401C	KAMLOOPS, B.C. 301 SEYMOUR ST.	707	***	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 MILLIONDECEMBER - DECEMBRE
1981MONOXYDE 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											
				1-HOUR / HEURE				MEANS				24-HOUR / HEURES				MOYENNES			
				70	95	99	MAX	70	95	99	MAX	70	95	99	MAX	70	95	99	MAX
10101C	ST. JOHN'S, Nfld. DUCKWORTH & ORDINANCE	226	---	5	8	10	10	5	7	7	8	5	5	6	6				
30116C	HALIFAX, N.S. BARRINGTON & DUKE	0	---	-	-	-	-	-	-	-	-	-	-	-	-				
40202C	SAINT JOHN, N.B. POST OFFICE	727	0.8	1	4	7	13	1	4	6	7	1	3	3	3				
50103R	MONTREAL, QUEBEC POINTE-AUX-TREMBLES	720	1.1	1	2	4	6	1	2	3	4	1	2	2	2				
50104C	1125 ONTARIO EST	737	2.1	2	4	6	8	3	4	5	7	2	3	4	4				
50109C	DUNCAN & DECARIE	644	2.6	3	7	12	16	3	6	8	9	3	5	6	6				
50110C	PARC PILON, MTL.-NORD	740	1.8	2	5	9	15	2	4	7	10	2	4	5	5				
50112C	BOUL. LAURENTIDES	715	0.9	1	3	9	13	1	3	7	8	1	3	4	4				
50113R	PIE X & CARDINAL	736	1.3	1	3	7	13	1	3	6	7	2	3	4	4				
50114C	677 STE-CATHERINE O.	719	2.9	4	6	8	10	4	6	7	7	3	5	5	5				
50115C	HETCALFE & MAISONNEUVE	0	---	-	-	-	-	-	-	-	-	-	-	-	-				
50116R	3161 JOSEPH, VERDUN	740	1.3	2	3	5	8	2	3	4	5	2	3	3	3				
50203R	HULL, QUEBEC GAMBLIN & JOFFRE	727	0.8	1	3	4	7	1	2	4	4	1	2	3	3				
50304C	QUEBEC, QUEBEC 325 DORCHESTER SUD	737	1.8	2	5	8	12	2	4	7	8	2	4	5	5				
60101C	OTTAWA, ONT. 88 SLATER ST.	573	2.6	3	7	11	15	3	6	8	10	3	6	6	6				
60104C	RIDEAU & WURTEMBERG	721	1.1	1	2	3	5	1	2	3	3	1	2	2	2				
60204C	WINDSOR, ONT. 471 UNIVERSITY AVENUE	709	***	1	1	3	6	1	1	2	3	1	1	2	2				
60402R	TORONTO, ONT. DON MILLS, SCIENCE CNTR	733	2.1	2	4	6	8	2	4	5	6	2	4	4	4				
60403I	EVANS & ARNOLD	735	2.0	3	4	6	8	3	4	5	5	3	4	4	4				
60410R	LAWRENCE & KENNEDY	737	1.7	2	4	7	10	2	4	5	5	2	3	3	3				
60412R	BATHURST & WILSON	733	1.4	2	3	5	9	2	3	4	5	2	3	3	3				
60413R	ELMCREST ROAD	597	1.9	2	3	4	5	2	3	3	3	2	2	3	3				
60414I	SHERBOURNE & WILTON ST.	736	1.8	2	3	4	8	2	3	4	5	2	3	3	3				
60415R	QUEENSWAY W & HURONTARIO	742	1.6	2	3	5	8	2	3	4	4	2	2	3	3				
60416C	381 YONGE STREET	742	3.3	4	7	10	16	4	6	8	9	4	5	6	6				
60417C	26 BREADALBANE	728	1.5	2	3	3	5	2	2	3	3	2	2	2	2				
60501C	HAMILTON, ONT. BARTON & SANFORD	717	1.3	2	4	6	9	2	4	5	6	2	3	4	4				
60602R	SUDBURY, ONT. ASH STREET	734	***	0	1	2	4	0	1	1	2	0	0	1	1				
60901C	LONDON, ONT. KING & RECTORY	724	0.5	1	2	4	8	1	2	3	4	1	1	2	2				
61004R	SARNIA, ONT. FRONT ST. AT C.N. TRACKS	729	***	0	1	2	5	0	1	2	2	0	1	1	1				
61201R	CORNWALL, ONT. MEMORIAL PARK	728	1.2	1	2	4	11	1	2	3	3	1	2	2	2				
61301C	ST. CATHARINES, ONT. NORTH ST. & GENEVA ST.	531	0.6	1	2	4	8	1	2	3	4	1	2	2	2				
61501C	KITCHENER, ONT. EDNA & FREDERICK	737	1.2	1	3	5	8	2	3	4	4	1	2	3	3				
61602R	OAKVILLE, ONT. BRONTE AND WOBURN CRES.	727	2.3	3	5	8	9	3	4	5	6	3	4	4	5				
61701R	OSHAWA, ONT. RITSON RD. & OLIVE AVE.	724	2.0	2	4	7	9	2	4	5	5	2	4	4	4				
70118R	WINNIPEG, MAN. JEFFERSON & SCOTIA	648	0.7	1	2	3	7	1	2	2	3	1	1	2	2				
70119C	65 ELLEN STREET	652	1.1	1	2	4	7	1	2	3	3	1	2	2	2				
70120R	604 ST. MARY'S RD.	0	---	-	-	-	-	-	-	-	-	-	-	-	-				
80109C	REGINA, SASK. 1620 ALBERT STREET	593	2.7	4	8	10	13	4	8	10	10	4	7	8	9				
80209C	SASKATOON, SASK. IDYLWYLD DR. & 33RD ST.	345	---	1	3	8	11	1	3	6	7	1	3	3	3				

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

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

CARBON MONOXIDE
PARTS PER MILLIONDECEMBER - DECEMBRE
1981MONOXYDE DE CARBONE
PARTIES PAR MILLION

STATION	LOCATION EMPLACEMENT	NUMBER OF HOURLY SAMPLES NOMBRE DE DONNEES HORAIRES	MONTHLY MEAN MOYENNE MENSUELLE	FREQUENCY DISTRIBUTIONS - CENTILES - DISTRIBUTIONS DES FREQUENCES											
				INTERVALS - INTERVALLES				MEANS				MOYENNES			
				1-HOUR / HEURE				8-HOUR / HEURES				24-HOUR / HEURES			
				70	95	99	MAX	70	95	99	MAX	70	95	99	MAX
EDMONTON, ALTA.															
90121I	17 STREET & 105 AVENUE	722	1.1	1	3	4	8	1	2	3	4	1	2	3	3
90122R	127 ST. & 133 AVENUE	725	2.0	2	6	9	15	2	5	7	8	3	4	5	5
90130C	10255 - 104TH STREET	725	2.6	3	7	10	15	3	6	8	11	3	5	6	6
CALGARY, ALTA.															
90222R	39 ST. & 29 AVE. N.W.	716	1.6	2	5	10	12	2	4	7	9	2	3	4	5
90227C	1611-4TH STREET S.W.	718	2.5	3	7	12	23	3	7	10	12	3	5	6	7
VANCOUVER, B.C.															
00106R	2294 WEST 10TH AVENUE	0	---	-	-	-	-	-	-	-	-	-	-	-	-
00108I	250 WEST 70TH AVENUE	399	1.7	2	5	9	13	2	5	7	7	2	4	6	6
00110R	E. HASTINGS & KENSINGTON	740	1.3	2	3	5	10	2	3	5	5	2	3	4	4
00111I	ROCKY PT. PARK	740	1.8	2	5	6	8	2	4	5	6	2	3	4	4
00112C	ROBSON/HORNBY	737	2.8	3	6	9	12	3	6	7	7	3	4	6	6
VICTORIA, B.C.															
00302C	1106 COOK ST.	550	2.0	2	5	10	19	2	4	7	8	2	4	6	6

--- 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
1981

DIOXYDE D'AZOTE
PARTIES PAR CENT MILLIONS

STATION	LOCATION EMPLACEMENT	NUMBER OF HOURLY SAMPLES NOMBRE DE DONNEES HORAIRES	MONTHLY MEAN MOYENNE MENSUELLE	FREQUENCY DISTRIBUTIONS - CENTILES - DISTRIBUTIONS DES FREQUENCES				MEANS - MOYENNES			
				INTERVALS - INTERVALLES				24-HOUR / HEURES			
				70	95	99	MAX	70	95	99	MAX
30115I	HALIFAX, N.S.	744	***	1	2	2	3	1	1	1	1
30116C	CFB SHEARWATER BARRINGTON & DUKE	584	2.6	3	4	5	6	3	4	4	4
40202C	SAINT JOHN, N.B. POST OFFICE	727	3.3	4	8	16	33	4	6	8	9
50102R	MONTREAL, QUEBEC	692	2.4	3	3	5	10	3	3	4	4
50104C	JARDIN BOTANIQUE	720	2.8	3	4	6	8	3	4	5	5
50109C	1125 ONTARIO EST	157	---	2	2	3	3	2	2	2	2
50110C	DUNCAN & DECARIE	0	---	---	---	---	---	---	---	---	---
50112C	PARC PILON, MTL.-NORD	690	2.3	3	4	6	10	3	4	5	5
50113R	BOUL. LAURENTIDES	719	2.6	3	4	6	9	3	4	5	5
50115C	PIE X & CARDINAL	0	---	---	---	---	---	---	---	---	---
50116R	METCALFE & MAISONNEUVE 3161 JOSEPH, VERDUN	292	---	1	1	2	3	1	1	1	1
50203R	HULL, QUEBEC GAMELIN & JOFFRE	712	1.4	2	3	4	6	2	3	4	4
50304C	QUEBEC, QUEBEC 325 DORCHESTER SUD	694	2.1	2	3	3	3	2	3	3	3
60101C	OTTAWA, ONT. 88 SLATER ST.	716	2.5	3	4	5	6	3	4	4	4
60104C	RIDEAU & WURTEMBURG	726	1.8	2	4	5	6	2	3	4	4
60105R	NRC, MONTREAL ROAD	647	1.1	1	3	3	4	1	2	3	3
60204C	WINDSOR, ONT. 471 UNIVERSITY AVENUE	722	2.5	3	4	5	6	3	4	4	5
60402R	TORONTO, ONT. DON MILLS, SCIENCE CNTR	737	1.6	2	3	4	6	2	3	3	3
60403I	EVANS & ARNOLD	687	3.1	4	5	5	6	4	4	4	4
60410R	LAWRENCE & KENNEDY	737	2.6	3	4	5	6	3	4	4	4
60412R	BATHURST & WILSON	178	---	2	3	3	3	2	2	2	2
60413R	ELMCREST ROAD	740	2.0	2	3	4	6	2	3	3	3
60414I	SHERBOURNE & WILTON ST.	737	2.6	3	4	5	8	3	3	4	4
60415R	QUEENSWAY W & HURONTARIO	743	2.8	3	4	5	6	3	4	4	4
60417C	26 BREADALBANE	724	2.4	3	4	5	7	3	4	4	4
60501C	HAMILTON, ONT. BARTON & SANFORD	726	2.6	3	5	5	6	3	4	5	5
60505R	NORTH PARK	724	2.5	3	3	4	7	3	3	3	3
60602R	SUDBURY, ONT. ASH STREET	735	***	1	2	3	4	1	2	2	2
60901C	LONDON, ONT. KING & RECTORY	725	2.2	3	4	5	9	3	3	4	4
61004R	SARNIA, ONT. FRONT ST. AT C.N. TRACKS	730	1.7	2	4	4	6	2	3	4	4
61201R	CORNWALL, ONT. MEMORIAL PARK	696	1.2	2	3	3	5	2	2	2	2
61301C	ST. CATHARINES, ONT. NORTH ST. & GENEVA ST.	608	2.3	3	4	4	5	3	3	4	4
61501C	KITCHENER, ONT. EDNA & FREDERICK	733	2.4	3	4	4	5	3	4	4	4
61602R	OAKVILLE, ONT. BRONTE AND WOBURN CRES.	720	1.9	2	4	4	5	3	3	3	3
61701R	OSHAWA, ONT. RITSON RD. & OLIVE AVE.	724	1.6	2	3	3	5	2	3	3	3
70118R	WINNIPEG, MAN. JEFFERSON & SCOTIA	701	1.2	2	3	3	4	2	2	3	3
70119C	65 ELLEN STREET	696	1.8	2	3	3	3	2	3	3	3
80109C	REGINA, SASK. 1620 ALBERT STREET	286	---	8	12	16	17	7	12	13	13
90122R	EDMONTON, ALTA. 127 ST. & 133 AVENUE	717	3.5	4	6	8	14	4	6	7	7
90130C	10255 - 104TH STREET	725	4.1	5	7	9	11	4	6	7	7
90222R	CALGARY, ALTA. 39 ST. & 29 AVE. N.W.	716	2.3	3	4	5	7	3	4	4	4
90227C	1611-4TH STREET S.W.	715	4.5	5	7	11	14	5	7	9	9

*** CALCULATED MEANS ARE BELOW 10 PARTS PER BILLION.
LES MOYENNES SONT INFÉRIEURES 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
1981

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
VANCOUVER, B.C.											
00106R	2294 WEST 10TH AVENUE	726	2.9	3	4	5	8	3	4	4	4
00108I	250 WEST 70TH AVENUE	642	2.4	3	3	4	5	3	3	3	3
00110R	E. HASTINGS & KENSINGTON	739	2.5	3	4	5	6	3	3	4	4
00111I	ROCKY PT. PARK	739	1.9	2	3	4	6	2	3	3	3
00112C	ROBSON/HORNBY	740	3.0	4	5	5	7	3	4	4	5
VICTORIA, B.C.											
00302C	1106 COOK ST.	579	2.1	3	4	5	5	2	3	3	3

OZONE PARTS PER HUNDRED MILLION		DECEMBER - DECEMBRE 1981		OZONE PARTIES PAR CENT MILLIONS							
STATION	LOCATION EMPLACEMENT	NUMBER OF HOURLY SAMPLES NOMBRE DE DONNEES HORAIRES	MONTHLY MEAN MOYENNE MENSUELLE	FREQUENCY DISTRIBUTIONS - CENTILES - DISTRIBUTIONS DES FREQUENCES				INTERVALS - INTERVALLES			
				1-HOUR / HEURE				24-HOUR / HEURES			
				70	95	99	MAX	70	95	99	MAX
30115I	HALIFAX, N.S.	147	---	2	2	2	2	1	2	2	2
30116C	CFB SHEARWATER BARRINGTON & DUKE	743	0.7	1	1	2	2	1	1	1	1
40202C	SAINT JOHN, N.B. POST OFFICE	727	0.9	1	2	3	3	1	2	3	3
50102R	MONTREAL, QUEBEC	696	0.5	1	2	3	3	1	1	2	2
50103R	JARDIN BOTANIQUE	741	1.1	2	3	4	4	2	3	3	3
50104C	POINTE-AUX-TREMBLES	683	***	1	2	2	3	1	1	1	2
50109C	1125 ONTARIO EST	561	***	1	2	2	3	1	1	1	1
50110C	DUNCAN & DECARIE	715	0.6	1	2	3	3	1	2	2	2
50112C	PARC PILON, MTL.-NORD	722	0.8	1	2	3	3	1	2	2	2
50113R	BOUL. LAURENTIDES	726	0.9	1	2	3	3	1	2	2	3
50115C	PIE X & CARDINAL	0	---	-	-	-	-	-	-	-	-
50116R	METCALFE & MAISONNEUVE 3161 JOSEPH, VERDUN	581	1.1	1	4	6	6	1	4	4	4
50304C	QUEBEC, QUEBEC	700	0.5	1	2	2	3	1	2	2	2
50306R	325 DORCHESTER SUD 2026 BLVD. ST-CYRILLE	677	0.9	1	2	3	3	1	2	2	3
60101C	OTTAWA, ONT.	683	0.8	1	2	2	2	1	2	2	2
60104C	88 SLATER ST.	722	1.0	2	2	3	3	1	2	2	2
60105R	RIDEAU & WURTEMBERG NRC, MONTREAL ROAD	727	0.8	1	2	2	3	1	2	2	2
60204C	WINDSOR, ONT. 471 UNIVERSITY AVENUE	717	0.6	1	2	2	3	1	1	1	2
60402R	TORONTO, ONT.	739	0.7	1	2	2	3	1	2	2	2
60403I	DON MILLS, SCIENCE CNTR	693	***	0	1	2	2	0	1	1	1
60410R	EVANS & ARNOLD	735	0.6	1	2	2	2	1	1	1	1
60413R	LAWRENCE & KENNEDY	736	0.7	1	2	2	2	1	1	2	2
60414I	ELMCREST ROAD	692	0.7	1	2	2	4	1	2	2	2
60415R	SHERBOURNE & WILTON ST.	742	0.7	1	2	2	3	1	2	2	2
60417C	QUEENSWAY W & HURONTARIO 26 BREADALBANE	696	0.5	1	2	2	3	1	1	2	2
60501C	HAMILTON, ONT. BARTON & SANFORD	740	0.8	1	2	2	3	1	2	2	2
60602R	SUDBURY, ONT. ASH STREET	735	1.0	1	2	2	5	1	2	2	2
60806R	THUNDER BAY, ONT. 435 JAMES S.	727	1.2	2	2	3	3	2	2	2	2
60901C	LONDON, ONT. KING & RECTORY	723	0.9	1	2	3	4	1	2	2	2
61004R	SARNIA, ONT. FRONT ST. AT C.N. TRACKS	729	1.3	2	3	3	3	2	3	3	3
61201R	CORNWALL, ONT. MEMORIAL PARK	727	1.6	2	3	3	4	2	3	3	3
61301C	ST. CATHARINES, ONT. NORTH ST. & GENEVA ST.	712	1.2	2	2	3	4	2	2	2	2
61501C	KITCHENER, ONT. EDNA & FREDERICK	738	0.9	1	2	2	2	1	2	2	2
61602R	OAKVILLE, ONT. BRONTE AND WOBURN CRES.	743	0.9	1	2	2	3	1	2	2	2
61701R	OSHAWA, ONT. RITSON RD. & OLIVE AVE.	629	1.2	2	3	4	4	2	2	3	3
70118R	WINNIPEG, MAN.	716	0.8	1	2	3	3	1	2	2	2
70119C	JEFFERSON & SCOTIA 65 ELLEN STREET	700	***	0	1	1	1	0	0	0	0
80109C	REGINA, SASK. 1620 ALBERT STREET	271	---	3	3	3	3	2	3	3	3
90122R	EDMONTON, ALTA. 127 ST. & 133 AVENUE	712	1.1	2	4	4	5	2	3	4	4
90130C	10255 - 104TH STREET	713	0.8	1	2	3	4	1	2	2	3
90222R	CALGARY, ALTA. 39 ST. & 29 AVE. N.W.	712	1.0	2	3	3	4	1	2	3	3
90227C	1611-4TH STREET S.W.	708	0.5	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
1981

OZONE
PARTIES PAR CENT MILLIONS

STATION	LOCATION EMPLACEMENT	NUMBER OF HOURLY SAMPLES NOMBRE DE DONNEES HORAIRES	MONTHLY MEAN MOYENNE MENSUELLE	FREQUENCY DISTRIBUTIONS - CENTILES - DISTRIBUTIONS DES FREQUENCES				MEANS ---- MOYENNES			
				INTERVALS - INTERVALLES				24-HOUR / HEURES			
				1-HOUR / HEURE							
				70	95	99	MAX	70	95	99	MAX
VANCOUVER, B.C.											
00106R	2294 WEST 10TH AVENUE	663	***	0	2	3	3	1	1	2	2
00108I	250 WEST 70TH AVENUE	316	---	1	2	3	3	1	2	2	2
00110R	E. HASTINGS & KENSINGTON	720	1.1	1	2	3	3	1	2	2	2
00111I	ROCKY PT. PARK	739	0.6	1	2	3	3	1	2	2	2
00112C	ROBSON/HORNBY	744	***	1	1	2	3	1	1	1	1
VICTORIA, B.C.											
00302C	1106 COOK ST.	299	---	1	2	3	4	1	2	2	2

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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
1981

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			
				2-HOUR / HEURES				24-HOUR / HEURES			
				70	95	99	MAX	70	95	99	MAX
30116C	HALIFAX, N.S. BARRINGTON & DUKE	0	----	-	-	-	-	-	-	-	-
30310C	SYDNEY, N.S. COUNTY JAIL	0	----	-	-	-	-	-	-	-	-
30408R	GLACE BAY, N.S. SOUTH STREET	0	----	-	-	-	-	-	-	-	-
50101R	MONTREAL, QUEBEC PARC JARRY	268	0.12	0.1	0.6	1.2	1.3	0.1	0.5	0.7	0.7
50103R	POINTE-AUX-TREMBLES	288	0.27	0.3	0.7	1.1	1.4	0.3	0.5	0.7	0.7
50104C	1125 ONTARIO EST	149	----	0.5	1.0	1.5	1.7	0.6	0.8	0.9	0.9
50105C	1212 DRUMMOND	277	0.16	0.2	0.6	1.1	1.7	0.2	0.4	0.5	0.5
50106R	VILLE ST-LAURENT	372	****	0.1	0.2	0.4	0.5	0.1	0.2	0.2	0.2
50109C	DUNCAN & DECARIE	284	0.73	0.9	1.9	2.7	3.8	0.9	1.6	1.7	1.8
50110C	PARC PILON, MTL.-NORD	372	0.46	0.5	1.2	2.1	2.4	0.6	0.9	1.3	1.3
50115C	METCALFE & MAISONNEUVE	0	----	-	-	-	-	-	-	-	-
50116R	3161 JOSEPH, VERDUN	344	0.49	0.6	1.2	2.2	3.4	0.6	1.0	1.1	1.2
50203R	HULL, QUEBEC GAMBLIN & JOFFRE	329	0.20	0.3	0.6	0.9	1.2	0.3	0.4	0.5	0.5
50303I	QUEBEC, QUEBEC CENTRE LOISIRS LIMOILLOU	0	----	-	-	-	-	-	-	-	-
50801R	TROIS-RIVIERES, QUEBEC HART & STE-CECILE	368	0.42	0.5	0.8	1.1	1.5	0.5	0.6	0.7	0.7
51201I	SHAWINIGAN, QUEBEC FRIGON & LAVAL	334	0.40	0.5	1.0	1.6	1.8	0.5	0.7	0.9	1.0
60101C	OTTAWA, ONT. 88 SLATER ST.	341	0.38	0.5	1.1	1.4	1.6	0.4	0.9	1.0	1.0
60103C	GILMOUR STREET	360	0.21	0.3	0.5	0.9	1.2	0.2	0.3	0.6	0.7
60104C	RIDEAU & WURTEMBERG	723 (1)	0.16	0.2	0.4	0.7	0.9	0.2	0.4	0.4	0.4
60204C	WINDSOR, ONT. 471 UNIVERSITY AVENUE	722 (1)	0.52	0.6	1.1	1.6	1.9	0.6	0.9	1.0	1.0
60211R	COLLEGE & PRINCE	726 (1)	0.40	0.5	0.8	1.0	1.5	0.5	0.6	0.7	0.7
60302R	KINGSTON, ONT. NAPIER STREET	307	0.19	0.3	0.5	0.7	1.3	0.2	0.3	0.4	0.4
60402R	TORONTO, ONT. DON MILLS, SCIENCE CNTR	370	0.35	0.4	0.9	1.7	2.3	0.4	0.7	0.9	0.9
60403I	EVANS & ARNOLD	635 (1)	0.48	0.6	1.1	1.3	2.6	0.5	0.9	1.1	1.1
60409R	REDLANDS CRESCENT	354	0.23	0.4	0.6	0.8	1.0	0.3	0.4	0.4	0.5
60410R	LAWRENCE & KENNEDY	738 (1)	0.52	0.6	1.2	1.9	2.0	0.6	1.0	1.2	1.3
60412R	BATHURST & WILSON	722 (1)	0.53	0.6	1.4	1.7	2.5	0.6	1.2	1.3	1.3
60413R	ELMCREST ROAD	370	0.22	0.3	0.7	1.2	1.7	0.3	0.5	0.6	0.6
60414I	SHERBOURNE & WILTON ST.	652 (1)	0.66	0.8	1.5	2.0	3.0	0.8	1.2	1.3	1.3
60415R	QUEENSWAY W & HURONTARIO	209	0.30	0.4	0.9	1.2	1.2	0.3	0.5	0.7	0.7
60417C	26 BREADALBANE	730 (1)	0.62	0.8	1.1	1.5	2.4	0.8	1.0	1.1	1.1
60501C	HAMILTON, ONT. BARTON & SANFORD	724 (1)	0.57	0.7	1.2	1.8	2.0	0.7	1.0	1.1	1.1
60505R	NORTH PARK	677 (1)	0.81	1.0	1.6	2.0	2.5	0.9	1.3	1.5	1.5
60602R	SUDBURY, ONT. ASH STREET	738 (1)	0.15	0.2	0.5	0.9	1.6	0.2	0.4	0.5	0.5
60805R	THUNDER BAY, ONT. 435 JAMES S.	372	****	0.0	0.4	0.7	1.0	0.1	0.3	0.4	0.4
60901C	LONDON, ONT. KING & RECTORY	728 (1)	0.33	0.4	0.7	1.3	1.5	0.4	0.6	0.8	0.9
60902C	372 DUNDAS	371	0.24	0.4	0.6	1.0	1.4	0.3	0.4	0.6	0.6
61004R	SARNIA, ONT. FRONT ST. AT C.N. TRACKS	728 (1)	0.34	0.4	0.8	2.2	3.1	0.4	0.8	1.1	1.1
61103C	PETERBOROUGH, ONT. 500 GEORGE STREET	370	0.25	0.3	0.7	1.2	1.7	0.3	0.5	0.6	0.6
61201R	CORNWALL, ONT. MEMORIAL PARK	666 (1)	****	0.1	0.2	0.4	0.5	0.1	0.2	0.2	0.2
61301C	ST. CATHARINES, ONT. NORTH ST. & GENEVA ST.	727 (1)	0.34	0.4	0.8	1.2	2.1	0.4	0.7	0.8	0.8

(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
1981

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		2-HOUR / HEURES		MEANS - MOYENNES		24-HOUR / HEURES	
				70	95	99	MAX	70	95	99	MAX
61501C	KITCHENER, ONT. EDNA & FREDERICK	370	0.26	0.3	0.8	1.2	1.4	0.3	0.6	0.7	0.7
61602R	OAKVILLE, ONT. BRONTE AND WOBURN CRES.	730	(1) 0.39	0.5	1.0	1.2	1.5	0.5	0.8	1.0	1.0
61701R	OSHAWA, ONT. RITSON RD. & OLIVE AVE.	723	(1) 0.44	0.5	1.2	1.8	2.1	0.5	0.9	1.1	1.1
61801C	GUELPH, ONT. PARQUER & WYNDHAM	334	0.19	0.3	0.6	0.8	1.0	0.2	0.3	0.4	0.4
70118R	WINNIPEG, MAN. JEFFERSON & SCOTIA	111	----	0.0	0.1	0.1	0.2	0.0	0.0	0.0	0.0
70119C	65 ELLEN STREET	305	****	0.1	0.2	0.3	0.3	0.1	0.1	0.2	0.2
70120R	604 ST. MARY'S RD.	330	0.12	0.1	0.3	0.4	0.7	0.1	0.2	0.3	0.3
80109C	REGINA, SASK. 1620 ALBERT STREET	214	****	0.0	0.1	0.2	0.2	0.0	0.1	0.1	0.1
80209C	SASKATOON, SASK. IDYLWYLD DR. & 33RD ST.	123	----	0.0	0.1	0.1	0.2	0.0	0.0	0.0	0.0
90122R	EDMONTON, ALTA. 127 ST. & 133 AVENUE	730	(1) 0.40	0.5	1.2	1.8	2.1	0.5	0.8	1.1	1.1
90130C	10255 - 104TH STREET	744	(1) 0.58	0.7	1.5	2.5	2.8	0.7	1.0	1.4	1.4
90218I	CALGARY, ALTA. BONNY BRK & 18A ST. S.E.	742	(1) 0.54	0.6	1.8	2.6	3.0	0.6	1.2	1.6	1.7
90222R	39 ST. & 29 AVE. N.W.	744	(1) 0.28	0.3	0.8	1.3	1.5	0.3	0.6	0.6	0.7
90227C	1611-4TH STREET S.W.	360	0.45	0.5	1.3	2.4	3.7	0.5	1.0	1.4	1.5
00102R	VANCOUVER, B.C. 100 RICHMOND STREET	48	----	0.1	0.3	0.4	0.4	0.1	0.2	0.2	0.2
00106R	2294 WEST 10TH AVENUE	364	0.35	0.4	0.9	1.6	2.1	0.4	0.6	0.7	0.8
00108I	250 WEST 70TH AVENUE	190	0.35	0.4	1.0	1.8	2.1	0.4	1.0	1.3	1.3
00110R	E. HASTINGS & KENSINGTON	367	0.15	0.2	0.5	0.8	0.9	0.2	0.4	0.5	0.6
00111I	ROCKY PT. PARK	369	0.19	0.2	0.5	0.7	0.8	0.2	0.3	0.4	0.4
00112C	ROBSON/HORNBY	241	0.22	0.3	0.5	0.6	0.7	0.3	0.3	0.4	0.4
00202C	PRINCE GEORGE, B.C. 1011 4TH AVENUE	364	0.14	0.2	0.4	0.8	1.0	0.2	0.3	0.3	0.3
00302C	VICTORIA, B.C. 1106 COCK ST.	335	0.32	0.4	1.0	1.4	1.9	0.4	0.6	0.8	0.9
09001C	WHITEHORSE, YUKON FEDERAL BUILDING	146	----	0.4	0.9	1.1	2.3	0.4	0.7	0.8	0.8

(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.

SUSPENDED PARTICULATE MATTER AND LEAD
MICROGRAMS PER CUBIC METREDECEMBER - DECEMBRE
1981PLOMB ET PARTICULES EN SUSPENSION
MICROGRAMMES PAR METRE CUBE

STATION	LOCATION EMPLACEMENT	PARTICULATES / PARTICULES						LEAD / PLOMB					
		DAY / JOUR					MEAN MOYENNE	DAY / JOUR					MEAN MOYENNE
		6	12	18	24	30		6	12	18	24	30	
10101C	ST. JOHN'S, Nfld. DUCKWORTH & ORDINANCE	24	19	31	23	-	24	0.2	0.1	0.1	0.1	-	0.1
20101C	CHARLOTTETOWN, P.E.I. 56 FITZROY ST.	27	-	-	7	23	19	0.2	-	-	0.1	0.2	0.1
30101C	HALIFAX, N.S. N.S. TECHNICAL COLLEGE	46	23	34	25	21	30	0.0	0.1	0.2	0.2	0.1	0.1
30102R	DALHOUSIE UNIVERSITY	42	22	29	25	24	28	0.0	0.1	0.3	0.1	0.1	0.1
30114R	MT ST VINCENT UNIVERSITY	-	-	-	19	11	-	-	-	-	0.1	0.1	-
30115I	CFB SHEARWATER	-	35	67	-	-	-	-	0.1	0.1	-	-	-
30310C	SYDNEY, N.S. COUNTY JAIL	16	74	76	27	97	58	0.1	0.1	0.6	0.4	0.1	0.3
30311R	WHITNEY PIER FIRE STN.	16	65	210	57	76	85	0.0	0.3	0.5	0.5	0.1	0.3
30408R	GLACE BAY, N.S. SOUTH STREET	46	106	43	75	217	97	0.0	0.1	0.1	0.1	0.0	0.1
40102C	FREDERICTON, N.B. YORK STREET	19	53	62	36	-	43	0.1	0.3	0.5	0.6	-	0.4
40201C	SAINT JOHN, N.B. 110 CHARLOTTE STREET	46	59	74	-	28	52	0.1	0.2	0.5	-	0.2	0.2
40301C	MONCTON, N.B. 774 MAIN STREET	-	-	-	-	-	-	-	-	-	-	-	-
50102R	MONTREAL, QUEBEC JARDIN BOTANIQUE	62	32	48	52	64	52	0.1	0.1	0.1	1.4	0.1	0.4
50103R	POINTE-AUX-TREMBLES	-	24	48	39	44	39	-	-	-	-	-	-
50104C	1125 ONTARIO EST	61	28	111	75	65	68	0.2	0.2	0.5	0.1	0.7	0.3
50105C	1212 DRUMMOND	68	27	88	57	-	60	-	-	0.1	-	-	-
50106R	VILLE ST-LAURENT	-	-	-	-	-	-	-	-	-	-	-	-
50108R	1700 BOURASSA, LONGUEUIL	-	19	45	23	37	31	-	0.0	0.3	0.1	0.3	0.2
50109C	DUNCAN & DECARIE	267	98	297	78	180	184	0.6	0.9	1.7	0.7	0.9	1.0
50110C	PARC PILON, MTL.-NORD	75	47	54	51	67	59	-	-	-	-	-	-
50112C	BOUL. LAURENTIDES	109	24	75	47	55	62	0.2	0.2	0.5	0.1	0.6	0.3
50113R	PIE X & CARDINAL	-	20	29	20	47	29	-	0.2	0.4	0.2	0.4	0.3
50115C	METCALFE & MAISONNEUVE	-	-	-	-	-	-	-	-	-	-	-	-
50116R	3161 JOSEPH, VERDUN	23	23	75	49	80	50	0.1	0.3	0.7	0.2	0.6	0.4
50203R	HULL, QUEBEC GAMBLIN & JOFFRE	37	32	54	-	66	47	0.1	0.1	0.4	-	1.1	0.4
50301C	QUEBEC, QUEBEC PARC-AUTOS PAQ.LALIBERTE	-	-	-	-	-	-	-	-	-	-	-	-
50302R	PARC BARDY	-	-	-	-	-	-	-	-	-	-	-	-
50303I	CENTRE LOISIRS LIMOILLOU	-	-	-	-	-	-	-	-	-	-	-	-
50304C	325 DORCHESTER SUD	-	-	-	-	-	-	-	-	-	-	-	-
50306R	2026 BLVD. ST-CYRILLE	25	26	49	27	31	32	0.1	0.2	0.8	0.2	0.4	0.3
50402R	SHERBROOKE, QUEBEC CASERNE DE POMPIERS #5	-	-	62	27	73	54	-	-	0.7	0.2	1.0	0.6
50403C	WELLINGTON & ALBERT	-	-	54	38	-	-	-	-	0.4	0.1	-	-
50502R	CHICOUTIMI, QUEBEC USINE DE FILTRATION	53	53	50	23	57	47	0.1	0.3	0.5	0.1	0.4	0.3
50503C	222 RACINE	-	101	79	-	-	-	-	0.8	1.8	-	-	-
50601C	ROUYN, QUEBEC HOTEL DE VILLE	65	-	13	16	24	30	1.0	-	0.1	0.2	0.3	0.4
50701C	SEPT-ILES, QUEBEC HOTEL DE VILLE	22	15	-	-	-	-	0.3	-	-	-	-	-
50801R	TROIS-RIVIERES, QUEBEC HART & STE-CECILE	-	48	81	30	87	62	-	0.7	0.9	0.2	0.6	0.6
50901R	ARVIDA, QUEBEC POWELL & HOOPES	206	81	54	123	34	100	0.0	0.8	1.1	0.3	0.5	0.5
51002R	TRACY, QUEBEC GARNEAU & RTE 132	22	10	17	45	47	28	0.1	0.1	0.1	0.3	0.2	0.2
51101C	THETFORD MINES, QUEBEC BOUL. STE-MARTHE	16	35	60	15	56	36	-	0.5	0.7	-	-	-
51201I	SHAWINIGAN, QUEBEC FRIGON & LAVAL	90	90	58	60	99	79	-	0.2	0.5	0.2	0.5	0.4
51301R	BAIE COMEAU, QUEBEC 39 AVE. MARGUETTE	9	23	13	15	-	15	-	-	-	-	-	-
60101C	OTTAWA, ONT. 88 SLATER ST.	39	60	72	54	70	59	0.1	0.2	0.5	0.3	1.2	0.4
60104C	RIDEAU & WURTEMBERG	28	27	45	-	-	33	0.0	0.0	0.4	-	-	0.1
60105R	NRC, MONTREAL ROAD	21	24	36	34	65	36	0.0	0.0	0.3	0.2	0.7	0.3
60201I	WINDSOR, ONT. MORTON TERMINAL DOCK	60	77	104	68	65	75	0.2	0.1	0.2	0.2	0.2	0.2
60202C	CITY HALL	47	35	-	75	78	59	0.2	0.2	-	0.5	0.5	0.4

SUSPENDED PARTICULATE MATTER AND LEAD
MICROGRAMS PER CUBIC METREDECEMBER - DECEMBRE
1981PLOMB ET PARTICULES EN SUSPENSION
MICROGRAMMES PAR METRE CUBE

STATION	LOCATION EMPLACEMENT	*----- PARTICULATES / PARTICULES -----*						*----- LEAD / PLOMB -----*					
		----- DAY / JOUR -----					MEAN MOYENNE	*----- DAY / JOUR -----*					MEAN MOYENNE
		6	12	18	24	30		6	12	18	24	30	
60203R	TECUMSEH WATER WORKS	24	35	43	40	80	44	0.0	0.3	0.3	0.3	0.1	0.2
60204C	471 UNIVERSITY AVENUE	52	41	52	70	95	62	0.3	0.3	0.5	0.3	0.6	0.4
60301R	KINGSTON, ONT. QUEEN'S UNIVERSITY	14	23	29	32	30	26	0.1	0.1	0.2	0.2	0.1	0.1
60402R	TORONTO, ONT. DON MILLS, SCIENCE CNTR	20	34	45	38	48	37	0.2	0.3	0.4	0.2	0.4	0.3
60403I	EVANS & ARNOLD	50	85	133	68	85	84	1.3	1.6	1.8	0.3	0.7	1.1
60409R	REDLANDS CRESCENT	20	32	48	43	-	36	0.1	0.2	0.3	0.1	-	0.2
60410R	LAWRENCE & KENNEDY	-	73	35	65	-	58	-	0.7	0.2	0.3	-	0.4
60412R	BATHURST & WILSON	28	37	124	51	-	60	0.2	0.2	1.0	0.6	-	0.5
60413R	ELMCREST ROAD	38	63	77	38	67	57	0.4	0.3	0.6	0.0	0.7	0.4
60414I	SHERBOURNE & WILTON ST.	42	93	121	94	151	100	0.2	0.4	0.6	0.4	0.6	0.4
60415R	QUEENSWAY W & HURONTARIO	79	63	110	65	105	84	0.4	0.6	0.8	0.4	0.8	0.6
60417C	26 BREADALBANE	26	42	51	67	59	49	0.0	0.2	0.2	0.0	0.2	0.1
60501C	HAMILTON, ONT. BARTON & SANFORD	25	24	61	70	63	49	0.3	0.3	0.6	0.4	0.5	0.4
60503I	CHATHAM & FRID	35	50	106	80	72	69	0.2	0.2	0.4	0.2	0.4	0.3
60505R	NORTH PARK	33	37	104	158	-	83	0.6	0.5	0.9	0.8	-	0.7
60602R	SUDBURY, ONT. ASH STREET	40	37	17	38	39	34	0.4	0.4	0.2	0.3	0.6	0.4
60605C	19 LISGAR STREET	44	45	22	52	48	42	0.4	0.7	0.4	0.2	0.8	0.5
60705R	SAULT STE. MARIE, ONT. 550 QUEEN STREET WEST	-	-	15	93	38	49	-	-	0.1	0.2	0.3	0.2
60801C	THUNDER BAY, ONT. 14 ALGOMA STREET	-	53	32	33	31	37	-	0.2	0.0	0.2	0.2	0.2
60806R	435 JAMES S.	43	44	22	21	30	32	0.2	0.2	0.1	0.0	0.2	0.1
60901C	LONDON, ONT. KING & RECTORY	76	66	59	-	119	80	0.4	0.4	0.3	-	0.6	0.4
60902C	372 DUNDAS	25	33	38	-	46	36	0.1	0.1	0.2	-	0.4	0.2
61004R	SARNIA, ONT. FRONT ST. AT C.N. TRACKS	61	110	60	35	62	66	0.0	0.0	0.0	0.1	0.3	0.1
61103C	PETERBOROUGH, ONT. 500 GEORGE STREET	19	27	74	35	37	38	0.3	0.2	0.7	0.1	0.4	0.3
61201R	CORNWALL, ONT. MEMORIAL PARK	28	23	45	45	35	35	0.0	0.0	0.5	0.1	0.4	0.2
61301C	ST. CATHARINES, ONT. NORTH ST. & GENEVA ST.	23	24	31	52	46	35	0.1	0.2	0.2	0.1	0.3	0.2
61501C	KITCHENER, ONT. EDNA & FREDERICK	46	113	61	29	31	56	0.5	1.9	0.9	0.3	0.3	0.8
61602R	OAKVILLE, ONT. BRONTE AND WOBURN CRES.	29	30	65	49	64	47	0.1	0.0	0.2	0.1	0.3	0.1
61701R	OSHAWA, ONT. RITSON RD. & OLIVE AVE.	29	30	57	47	65	46	0.1	0.1	0.3	0.3	0.4	0.2
61801C	GUELPH, ONT. FARQUHAR & WYNDHAM	38	44	58	43	62	49	0.2	0.3	0.3	0.3	0.5	0.3
70102R	WINNIPEG, MAN. PORTAGE & WOODLAWN	48	86	40	31	49	51	0.3	0.8	0.2	3.1	0.8	1.0
70104I	UNION STOCK YARDS	40	60	59	42	51	50	0.2	0.3	0.3	0.2	0.4	0.3
70118R	JEFFERSON & SCOTIA	36	30	52	21	34	35	0.2	0.3	0.4	0.2	0.3	0.3
70119C	65 ELLEN STREET	38	35	73	11	57	43	0.2	0.4	0.6	0.3	0.4	0.4
70120R	604 ST. MARY'S RD.	-	61	52	21	41	44	-	0.3	0.4	0.2	0.5	0.4
70201C	BRANDON, MAN. 11TH ST. & PRINCESS AVE.	29	26	67	20	-	36	0.6	0.7	2.0	0.5	-	1.0
80102R	REGINA, SASK. 3211 ALBERT STREET	15	-	19	14	-	16	0.1	-	0.2	0.2	-	0.2
80108C	12TH AVE. & SMITH ST.	21	31	31	12	-	24	0.2	0.6	0.4	0.2	-	0.4
80109C	1620 ALBERT STREET	-	25	-	10	-	-	-	0.5	-	0.2	-	-
80203R	SASKATOON, SASK. 30TH ST. & 833 P AVE.	39	48	116	15	23	48	0.4	0.2	0.2	0.2	0.4	0.3
80209C	IDYLWYLD DR. & 33RD ST.	36	47	126	19	32	52	0.1	0.3	0.1	0.3	0.3	0.2
80301C	MOOSE JAW, SASK. FAIRFORD ST. & 1ST AVE.	32	85	25	21	29	38	0.2	0.4	0.3	0.3	0.3	0.3
80401C	PRINCE ALBERT, SASK. 1257-1ST AVE. EAST	57	28	33	7	21	29	0.1	0.2	0.3	0.2	0.6	0.3
90121I	EDMONTON, ALTA. 17 STREET & 105 AVENUE	55	19	40	38	64	43	-	-	-	-	-	-
90122R	127 ST. & 133 AVENUE	82	23	58	42	63	54	-	-	-	-	-	-
90130C	10255 - 104TH STREET	98	32	73	-	97	75	-	-	-	-	-	-

SUSPENDED PARTICULATE MATTER AND LEAD
MICROGRAMS PER CUBIC METRE

DECEMBER - DECEMBRE
1981

PLOMB ET PARTICULES EN SUSPENSION
MICROGRAMMES PAR METRE CUBE

STATION	LOCATION EMPLACEMENT	*----- PARTICULATES / PARTICULES -----*					MEAN MOYENNE	*----- LEAD / PLOMB -----*					MEAN MOYENNE
		----- DAY / JOUR -----						*----- DAY / JOUR -----*					
		6	12	18	24	30		6	12	18	24	30	
CALGARY, ALTA.													
90204C	316-7TH AVENUE	112	147	329	227	-	204	-	-	-	-	-	-
90218I	BONNY BRK & 18A ST. S.E.	146	94	252	123	95	142	-	-	-	-	-	-
90222R	39 ST. & 29 AVE. N.W.	-	51	72	121	46	73	-	-	-	-	-	-
RED DEER, ALTA.													
90301C	4747 50TH STREET	88	23	41	32	33	43	-	-	-	-	-	-
LETHBRIDGE, ALTA.													
90501C	13 ST. & 9 AVENUE S.	12	-	-	-	-	-	-	-	-	-	-	-
YELLOWKNIFE, N.W.T.													
99001C	50TH AVE. & 49TH STREET	-	-	-	-	-	-	-	-	-	-	-	-
VANCOUVER, B.C.													
00102R	100 RICHMOND STREET	29	100	41	24	37	46	0.4	2.0	0.3	0.5	0.5	0.7
00104R	27TH & ONTARIO	32	49	28	21	39	34	0.4	1.0	0.7	0.6	0.3	0.6
00106R	2294 WEST 10TH AVENUE	-	51	32	22	37	36	-	1.1	0.7	0.5	0.3	0.7
00108I	250 WEST 70TH AVENUE	39	71	64	22	83	56	0.6	2.0	0.7	0.6	0.8	0.9
00109C	970 BURRARD	41	81	42	23	73	52	0.5	1.5	0.9	0.5	0.6	0.8
00110R	E. HASTINGS & KENSINGTON	22	50	20	19	30	28	0.3	1.0	0.4	0.5	0.4	0.5
00111I	ROCKY PT. PARK	26	58	26	15	36	32	0.5	1.4	0.7	0.4	0.7	0.8
00113R	BCIT BURNABY	39	-	34	22	35	33	0.3	-	0.3	0.5	0.3	0.3
00114C	MUNICIPAL HALL, RICHMOND	34	90	36	20	34	43	0.4	2.5	0.6	0.6	0.5	0.9
00115R	NEWTON ELEM. SCH., SURREY	39	33	18	17	32	28	0.7	0.6	0.5	0.2	0.4	0.5
00116R	FIRE HALL, N. VANCOUVER	28	39	17	24	26	27	0.4	0.7	0.4	0.7	0.4	0.5
00117I	ANNACIS ISLAND, DELTA	22	120	30	-	-	57	0.5	3.7	0.7	-	-	1.6
PRINCE GEORGE, B.C.													
00202C	1011 4TH AVENUE	86	72	94	54	80	77	0.7	0.6	0.4	0.3	0.9	0.6
VICTORIA, B.C.													
00302C	1106 COOK ST.	44	41	39	32	74	46	0.5	0.3	0.3	0.4	0.8	0.5
KAMLOOPS, B.C.													
00401C	301 SEYMOUR ST.	151	141	36	-	-	109	1.3	0.6	0.7	-	-	0.8
WHITEHORSE, YUKON													
09001C	FEDERAL BUILDING	41	34	12	19	-	27	0.6	0.2	0.2	0.2	-	0.3

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

DECEMBER - DECEMBRE
1981

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

STATION	LOCATION EMPLACEMENT	*----- DAY / JOUR -----*				
		6	12	18	24	30
10101C	ST. JOHN'S, NFLD. DUCKWORTH & ORDINANCE	0	0	0	0	-
20101C	CHARLOTTETOWN, P.E.I. 56 FITZROY ST.	-	-	-	-	-
30114R	HALIFAX, N.S. MT ST VINCENT UNIVERSITY	-	-	-	0	0
30115I	CFB SHEARWATER	-	0	1	-	-
30310C	SYDNEY, N.S. COUNTY JAIL	0	1	1	-	3
30311R	WHITNEY PIER FIRE STN.	0	1	-	-	-
30408R	GLACE BAY, N.S. SOUTH STREET	0	2	1	-	-
50102R	MONTREAL, QUEBEC JARDIN BOTANIQUE	0	-	4	2	-
50103R	POINTE-AUX-TREMBLES	-	2	1	-	-
50104C	1125 ONTARIO EST	2	1	16	3	5
50105C	1212 DRUMMOND	2	2	-	-	-
50106R	VILLE ST-LAURENT	-	-	-	-	-
50109C	DUNCAN & DECARIE	1	1	18	-	9
50110C	PARC PILON, MTL.-NORD	2	-	4	2	5
50112C	BOUL. LAURENTIDES	0	-	2	0	3
50113R	PIE X & CARDINAL	-	1	2	0	3
50115C	METCALFE & MAISONNEUVE	-	-	-	-	-
50116R	3161 JOSEPH, VERDUN	0	1	8	1	5
50203R	HULL, QUEBEC GAMELIN & JOFFRE	0	0	2	-	4
50303I	QUEBEC, QUEBEC CENTRE LOISIRS LIMOILLOU	-	-	-	-	-
50304C	325 DORCHESTER SUD	-	-	-	-	-
50306R	2026 BLVD. ST-CYRILLE	0	0	2	1	0
50601C	ROUVN, QUEBEC HOTEL DE VILLE	1	-	0	0	0
50701C	SEPT-ILES, QUEBEC HOTEL DE VILLE	-	0	-	-	-
50801R	TROIS-RIVIERES, QUEBEC HART & STE-CECILE	-	1	6	1	4
50901R	ARVIDA, QUEBEC POWELL & HOOPES	0	0	1	12	0
51201I	SHAWINIGAN, QUEBEC FRIGON & LAVAL	2	3	2	0	1
51301R	BAIE COMEAU, QUEBEC 39 AVE. MARGUETTE	-	-	-	-	-
60101C	OTTAWA, ONT. 88 SLATER ST.	2	1	4	1	4
60104C	RIDEAU & WURTEMBERG	1	1	1	-	-
60105R	NR, MONTREAL ROAD	-	-	-	-	-
60201I	WINDSOR, ONT. MORTON TERMINAL DOCK	1	2	4	2	2
60204C	471 UNIVERSITY AVENUE	2	1	0	6	9
60402R	TORONTO, ONT. DON MILLS, SCIENCE CNTR	0	0	1	1	4
60403I	EVANS & ARNOLD	-	-	-	-	-
60409R	REDLANDS CRESCENT	0	0	1	-	-
60410R	LAWRENCE & KENNEDY	-	0	0	1	-
60412R	BATHURST & WILSON	0	-	2	0	-
60413R	ELMCREST ROAD	1	0	1	1	2
60414I	SHERBOURNE & WILTON ST.	0	0	3	2	6
60415R	QUEENSWAY W & HURONTARIO	0	0	1	1	3
60417C	26 BREADALBANE	1	1	1	3	5
60501C	HAMILTON, ONT. BARTON & SANFORD	0	0	1	2	0
60505R	NORTH PARK	0	0	5	13	-
60602R	SUDBURY, ONT. ASH STREET	3	1	0	2	2
60806R	THUNDER BAY, ONT. 435 JAMES S.	0	0	0	0	0
60901C	LONDON, ONT. KING & RECTORY	1	1	1	-	4

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

DECEMBER - DECEMBRE
1981

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

STATION	LOCATION EMPLACEMENT	*----- DAY / JOUR -----*				
		6	12	18	24	30
61004R	SARNIA, ONT. FRONT ST. AT C.N. TRACKS	8	3	0	1	6
61103C	PETERBOROUGH, ONT. 500 GEORGE STREET	0	0	1	0	0
61201R	CORNWALL, ONT. MEMORIAL PARK	0	0	1	1	1
61301C	ST. CATHARINES, ONT. NORTH ST. & GENEVA ST.	0	0	0	1	1
61501C	KITCHENER, ONT. EDNA & FREDERICK	0	1	1	0	1
61602R	OAKVILLE, ONT. BRONTE AND WOEBURN CRES.	0	0	1	7	6
61701R	OSHAWA, ONT. RITSON RD. & OLIVE AVE.	0	0	1	0	2
61801C	GUELPH, ONT. PARQUHAR & WYNDHAM	0	0	1	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
80109C	REGINA, SASK. 1620 ALBERT STREET	-	-	-	-	-
80209C	SASKATOON, SASK. IDYLWYLD DR. & 33RD ST.	-	-	0	0	-
80301C	MOOSE JAW, SASK. FAIRFORD ST. & 1ST AVE.	0	-	-	-	-
80401C	PRINCE ALBERT, SASK. 1257-1ST AVE. EAST	0	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	1	4	1	2
90222R	39 ST. & 29 AVE. N.W.	-	1	-	1	0
00106R	VANCOUVER, B.C. 2294 WEST 10TH AVENUE	-	1	0	0	0
00110R	E. HASTINGS & KENSINGTON	0	1	0	0	0
00111I	ROCKY PT. PARK	0	1	0	0	1
00302C	VICTORIA, B.C. 1106 COOK ST.	0	0	0	1	-
00401C	KAMLOOPS, B.C. 301 SEYMOUR ST.	0	0	0	-	-

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

DECEMBER - DECEMBRE
1981

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	SO3
SYDNEY, N.S.			
30301R	MURPHY ROAD	2.0	0.3 **
30309I	PT EDWARD, RICHMOND PLST	-	0.3 **
30310C	COUNTY JAIL	5.5	0.4 **
30311R	WHITNEY PIER FIRE STN.	11.9	0.5 **
GLACE BAY, N.S.			
30401R	LAKE ROAD	8.3	0.9 **
30405C	GENERAL HOSPITAL	5.9	1.2 **
MONTREAL, QUEBEC			
50101R	PARC JARRY	-	- *
50102R	JARDIN BOTANIQUE	2.0	- *
50103R	POINTE-AUX-TREMBLES	2.0	-
50106R	VILLE ST-LAURENT	-	- *
50107R	VILLE LASALLE	-	- *
TORONTO, ONT.			
60403I	EVANS & ARNOLD	4.2	-
60404R	5126 YONGE STREET	3.5	-
60405I	JOHN STREET PUMP STATION	8.7	-
60406R	ROSEHILL RESERVOIR	2.9	-
60408C	DANFORTH & ROBINSON	7.4	-
HAMILTON, ONT.			
60501C	BARTON & SANFORD	5.3	-
60502I	BURLINGTON & GAGE	9.7	-
60503I	CHATHAM & FRID	3.3	-
60507C	HUGHSON & HUNTER	-	-
60510I	STRATHEARN	15.8	-
SAULT STE. MARIE, ONT.			
60702R	ANNA MCREA PUBLIC SCHOOL	1.8	-
60703I	BAYVIEW & YOUNG	-	-
THUNDER BAY, ONT.			
60801C	14 ALGOMA STREET	1.1	-
LONDON, ONT.			
60901C	KING & RECTORY	1.6	-
WINNIPEG, MAN.			
70105R	MARTIN & HENDERSON HWY	2.6	0.1 **
70110C	KENNEDY & ST. MARY'S	4.1	-
70113I	WINDERMERE & ROCKMAN	2.5	- **
70115C	PORTAGE & MINTO	13.2	0.2 **
70116I	SMITH & KING	8.0	- **
EDMONTON, ALTA.			
90125C	PRINS ELIZABETH & 108 ST	4.6	- **
90126R	77 AVENUE & 85 STREET	3.4	0.1 **
90127I	115 AVENUE & 159 STREET	4.6	0.1 **
90128R	99 AVENUE & 160 STREET	3.6	- **
CALGARY, ALTA.			
90219C	620-7TH AVENUE, S.W.	7.5	0.3 **
90221R	DALHOUSIE DR & DALHAM DR	5.1	0.1 **
90223C	11 ST. & 38 AVE. S.E.	3.4	0.2 **
90224I	OGDENDALE & 71 AVE S.E.	3.1	- **
90225R	PALLISER DR & OAKWOOD SW	3.1	- **
90226I	SHEPPARD & 84 AVE S.E.	2.7	0.1 **

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

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