

**APPENDIX C-2**

**AMBIENT AIR MONITORING**

**DATA SUMMARY BY POLLUTANT**

BAY AREA AIR QUALITY MANAGEMENT DISTRICT  
TOXIC AIR CONTAMINANTS  
1999 ANNUAL REPORT  
DECEMBER 2000

DIRECTORY OF TOXIC AIR CONTAMINANT  
MONITORING STATIONS

<u>Station</u>	<u>Location</u>	<u>Address</u>
1014	Fremont	40733 Chapel Way
1017	Livermore	2614 Old First Street
1018	Oakland – Davie Stadium	198 Oak Road
1022	San Leandro	15400 Foothill Blvd.
2017	Crocket	End of Kendall Ave
2018	Concord	2975 Treat Blvd.
2019	Richmond	1065 7 <sup>th</sup> Street
2021	Bethel Island	5551 Bethel Island Road
2030	San Pablo	Unit 759, El Portal Center
3005	San Rafael	534 4 <sup>th</sup> Street
3007	Fort Cronkhite	Building 1049
4001	Napa	2552 Jefferson Street
5011	San Francisco	10 Arkansas Street
6004	Redwood City	897 Barron Avenue
7009	San Jose	120B North 4 <sup>th</sup> Street
7013	Mountain View	160 Cuesta Drive
8004	Vallejo	304 Tuolumne Street
9004	Santa Rosa	837 5 <sup>th</sup> Street

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18 stations total

**BAY AREA AIR QUALITY MANAGEMENT DISTRICT  
TOXIC AIR CONTAMINANTS  
1999 ANNUAL REPORT  
DECEMBER 2000**

Ambient Air Toxics Data - Ethylene dichloride (ppb)  
Date Range: Jan 01, 1999 - Dec 31, 1999

Months	1014	1017	1018	1022	2017	2018	2019	2021	2030	3005	3007	4001	5011	5011	6004	7009	7013	8004	9004
Jan01 99				< .10															
Jan12 99	< .10	< .10	< .10			< .10	< .10	< .10	< .10	< .10	< .10	< .10	< .10	< .10	< .10	< .10	< .10	< .10	
Jan13 99				< .10															
Jan24 99	< .10	< .10	< .10	< .10		< .10	< .10	< .10	< .10	< .10	< .10	< .10	< .10	< .10	< .10	< .10	< .10	< .10	
Feb05 99	< .10	< .10	< .10	< .10		< .10	< .10	< .10	< .10	< .10	< .10	< .10	< .10	< .10	< .10	< .10	< .10	< .10	< .10
Feb17 99	< .10	< .10	< .10	< .10		< .10	< .10	< .10	< .10	< .10	< .10	< .10	< .10	< .10	< .10	< .10	< .10	< .10	< .10
Mar01 99	< .10	< .10	< .10	< .10		< .10	< .10	< .10	< .10	< .10	< .10		< .10	< .10	< .10	< .10	< .10	< .10	< .10
Mar02 99												< .10							
Mar13 99	< .10	< .10	< .10	< .10		< .10	< .10	< .10	< .10	< .10	< .10	< .10	< .10	< .10	< .10	< .10	< .10		< .10
Mar16 99																			< .10
Mar25 99	< .10	< .10	< .10	< .10		< .10	< .10	< .10	< .10	< .10	< .10	< .10	< .10	< .10	< .10	< .10	< .10	< .10	< .10
Apr06 99	< .10	< .10	< .10	< .10		< .10	< .10	< .10	< .10	< .10	< .10		< .10	< .10	< .10		< .10	< .10	< .10
Apr07 99												< .10							
Apr18 99	< .10	< .10	< .10	< .10		< .10	< .10	< .10	< .10	< .10	< .10	< .10	< .10	< .10	< .10	< .10	< .10	< .10	< .10
Apr30 99	< .10	< .10	< .10	< .10		< .10	< .10	< .10	< .10	< .10	< .10	< .10	< .10	< .10		< .10	< .10	< .10	< .10
May01 99															< .10				
May12 99	< .10	< .10				< .10	< .10	< .10	< .10	< .10	< .10	< .10	< .10	< .10	< .10	< .10	< .10	< .10	< .10
May24 99		< .10	< .10	< .10		< .10	< .10	< .10	< .10	< .10	< .10	< .10	< .10	< .10	< .10	< .10		< .10	< .10
May25 99	< .10																		
Jun05 99		< .10	< .10				< .10	< .10		< .10	< .10	< .10	< .10		< .10	< .10	< .10	< .10	< .10
Jun17 99		< .10	< .10				< .10	< .10		< .10	< .10	< .10	< .10		< .10	< .10	< .10	< .10	< .10
Jun29 99		< .10	< .10				< .10	< .10		< .10	< .10	< .10	< .10		< .10	< .10	< .10	< .10	< .10
Jul 11 99		< .10	< .10				< .10	< .10		< .10	< .10	< .10	< .10		< .10	< .10	< .10	< .10	< .10
Jul 23 99		< .10					< .10	< .10		< .10	< .10		< .10		< .10	< .10	< .10	< .10	< .10
Jul 24 99												< .10							
Aug04 99		< .10	< .10				< .10	< .10		< .10	< .10	< .10	< .10		< .10	< .10	< .10	< .10	< .10
Aug16 99		< .10	< .10				< .10	< .10		< .10	< .10	< .10	< .10		< .10	< .10	< .10	< .10	< .10
Aug26 99																			< .10
Aug28 99		< .10	< .10				< .10	< .10		< .10	< .10	< .10	< .10		< .10	< .10	< .10	< .10	< .10
Sep09 99		< .10					< .10	< .10		< .10	< .10	< .10	< .10			< .10	< .10	< .10	< .10
Sep21 99		< .10					< .10	< .10		< .10	< .10	< .10	< .10		< .10	< .10	< .10	< .10	< .10
Oct03 99		< .10					< .10	< .10		< .10	< .10	< .10	< .10	< .10	< .10	< .10	< .10	< .10	< .10
Oct15 99		< .10	< .10				< .10	< .10		< .10	< .10	< .10	< .10	< .10	< .10	< .10	< .10	< .10	< .10
Oct20 99																			< .10
Oct27 99		< .10	< .10	< .10		< .10	< .10	< .10		< .10	< .10	< .10	< .10		< .10	< .10	< .10	< .10	< .10
Nov08 99		< .10		< .10		< .10		< .10		< .10	< .10	< .10	< .10		< .10	< .10		< .10	< .10
Nov10 99							< .10												
Nov20 99		< .10		< .10		< .10	< .10	< .10		< .10	< .10	< .10	< .10		< .10	< .10	< .10	< .10	< .10
Dec02 99		< .10		< .10		< .10	< .10	< .10		< .10	< .10	< .10	< .10		< .10	< .10	< .10	< .10	< .10
Dec14 99		< .10	< .10			< .10	< .10	< .10		< .10	< .10	< .10	< .10		< .10	< .10	< .10	< .10	< .10
Dec26 99		< .10	< .10	< .10		< .10	< .10	< .10		< .10	< .10	< .10	< .10		< .10	< .10	< .10	< .10	< .10
Dec28 99										< .10									

# OBS	12	30	22	17		18	30	28	12	30	30	30	30	13	29	29	27	30	27
#<LOD	12	30	22	17		18	30	28	12	30	30	30	30	13	29	29	27	30	27
Max	< .10	< .10	< .10	< .10		< .10	< .10	< .10	< .10	< .10	< .10	< .10	< .10	< .10	< .10	< .10	< .10	< .10	< .10
Min	< .10	< .10	< .10	< .10		< .10	< .10	< .10	< .10	< .10	< .10	< .10	< .10	< .10	< .10	< .10	< .10	< .10	< .10
mean*	< .10	< .10	< .10	< .10		< .10	< .10	< .10	< .10	< .10	< .10	< .10	< .10	< .10	< .10	< .10	< .10	< .10	< .10
sdev*																			

\* includes Obs < LOD as 1/2 LOD

**BAY AREA AIR QUALITY MANAGEMENT DISTRICT  
TOXIC AIR CONTAMINANTS  
1999 ANNUAL REPORT  
DECEMBER 2000**

Ambient Air Toxics Data - Perchloroethylene (ppb)  
Date Range: Jan 01, 1999 - Dec 31, 1999

Months	1014	1017	1018	1022	2017	2018	2019	2021	2030	3005	3007	4001	5011	5011	6004	7009	7013	8004	9004
Jan01 99				.02															
Jan12 99	.08	.23	.12			.11	.06	.04	.10	.33	.03	.14	.08	.08	.17	.15	.18	.09	
Jan13 99				.11															
Jan24 99	.02	.07	.03	.03		.04	.03	.01	.03	.03	.01	.03	.05	.04	.17	.07	.14	.10	
Feb05 99	.05	.13	.02	.03		.05	.03	.03	.04	.11	.01	.05	.08	.06	.17	.11	.08	.09	.04
Feb17 99	.06	.33	.08	.06		.04	.03	.02	.03	.57	.01	.04	.06	.06	.07	.06	.07	.12	.04
Mar01 99	.07	.18	.06	.05		.06	.03	.02	.04	.22	.01		.08	.08	.06	.04	.15	.08	.03
Mar02 99												.05							
Mar13 99	.05	.44	.04	.02		.03	.04	.04	.04	.12	.01	.03	.04	.04	.08	.09	.12		.03
Mar16 99																			.06
Mar25 99	.04	.21	.01	.03		.19	.06	.02	.06	.22	.03	.02	.05	.05	.26	.08	.08	.06	.03
Apr06 99	.07	.14	.03	.02		.03	.02	.02	.05	.24	.01		.04	.04	.14		.03	.02	.03
Apr07 99												.02							
Apr18 99	.05	.15	.06	.05		.03	.06	.03	.03	.07	.03	.12	.03	.05	.05	.05	.07	.08	.03
Apr30 99	.09	.07	.05	.05		.04	.02	.01	.03	.53	.01	.04	.06	.05		.18	.11	.08	.05
May01 99															.15				
May12 99	.02	.19				.11	.09	.02	.04	.32	< .01	.03	.04	.03	.12	.13	.13	.12	.12
May24 99		.16	.05	.02		.04	.01	.02	.01	.30	.01	.07	.02	.02	.03	.02		.08	.04
May25 99	.03																.12		
Jun05 99		.03	.03				.01	.01		.13	< .01	.02	.02		.03	.01	.03	.04	.01
Jun17 99		.06	.06				.01	.03		.98	.01	.02	.02		.03	.05	.13	.06	.02
Jun29 99		.32	.07				.17	.01		3.51	< .01	.04	.11		.07	.06	.12	.14	.04
Jul 11 99		.06	.02				.03	.01		.13	.01	.03	.04		.04	.05		.05	.02
Jul 23 99		.14					.01	.01		.04	.03		.06		.11	.03	.04	.05	.02
Jul 24 99												.02							
Aug04 99		.08	.04				.01	.02		2.03	.01	.03	.03		.03	.03	.06	.10	.02
Aug16 99		.13	.05				.03	.01		1.78	.09	.01	.04		.04	.05	.07	.08	
Aug26 99																			.05
Aug28 99		.07	.05				.02	.02		.28	< .01	.03	.04		.03	.05	.08	.08	.02
Sep09 99		.30					.01	.03		.47	.03	.01	.06			.05	.10	.12	.02
Sep21 99		.20					.02			.53	.01	.04	.17		.04	.11		.08	.04
Oct03 99		.08					.02			.04	.05	.03	.03	.03	.05	.08	.03	.03	
Oct15 99		.04	.09				.05	.02		.66	< .01	.05	.14		.09	.24	.14		.08
Oct20 99																			.13
Oct27 99		.44	.09	.05		.04	.03	.02		1.03	< .01	.06	.12		.05	.07	.10	.11	.04
Nov08 99		.09		.02		.03		.01		.62	.01	.05	.07		.04	.03		.11	.04
Nov10 99							.07												
Nov20 99		.14		.10		.04	.01	.01		.41	.24	.33	.07		.08	.05	.04	.11	.03
Dec02 99		.15		.04		.04	.01	.02		.68	.01	.07	.09		.06	.11	.03	.15	.05
Dec14 99		.17	.12			.06	.05	.01		.96	.01	.05	.12		.09	.18	.22	.12	.06
Dec26 99		.11	.07	.04		.07	.04	.03			.02	.04	.07		.15	.12	.04	.08	.05
Dec28 99										.60									
# OBS	12	30	22	17		18	30	28	12	30	30	30	30	13	29	29	27	30	27
#<LOD	0	0	0	0		0	0	0	0	0	6	0	0	0	0	0	0	0	0
Max	.09	.44	.12	.11		.19	.17	.04	.10	3.51	.24	.33	.17	.08	.26	.24	.22	.15	.12
Min	.02	.03	.01	.02		.03	.01	.01	.01	.03	.01	.01	.02	.02	.03	.01	.03	.02	.01
mean*	.05	.16	.06	.04		.06	.04	.02	.04	.60	.02	.05	.06	.05	.09	.08	.09	.09	.04
sdev*	.02	.11	.03	.03		.04	.03	.01	.02	.73	.04	.06	.04	.02	.06	.05	.05	.03	.02

\* includes Obs < LOD as 1/2 LOD

**BAY AREA AIR QUALITY MANAGEMENT DISTRICT  
TOXIC AIR CONTAMINANTS  
1999 ANNUAL REPORT  
DECEMBER 2000**

Ambient Air Toxics Data - Toluene (ppb)  
Date Range: Jan 01, 1999 - Dec 31, 1999

Months	1014	1017	1018	1022	2017	2018	2019	2021	2030	3005	3007	4001	5011	5011	6004	7009	7013	8004	9004
Jan01 99				.60															
Jan12 99	2.30	2.50	1.60			4.40	1.90	.80	1.90	3.20	.30	3.80	2.00	2.00	5.80	5.40	3.20	2.60	
Jan13 99				1.30															
Jan24 99	1.20	1.40	.50	.20		1.60	2.30	.40	1.20	.90	< .10	1.30	1.30	1.40	2.60	2.70	3.00	2.50	
Feb05 99	2.70	2.50	.40	.90		1.60	2.60	.80	1.40	1.80	.10	1.90	2.50	1.90	4.10	3.30	2.20	3.10	1.70
Feb17 99	1.60	1.70	1.00	1.30		1.60	1.30	.50	1.00	1.40	.10	1.70	1.70	1.80	3.50	2.00	1.20	1.60	1.40
Mar01 99	.50	1.00	.60	.80		1.10	1.00	.40	.90	.70	< .10		2.20	2.20	1.50	1.00	2.20	1.60	1.00
Mar02 99												1.20							
Mar13 99	1.30	1.50	.90	.50		1.20	2.00	.70	1.20	.90	3.40	1.30	1.10	1.20	1.30	2.20	.90		.80
Mar16 99																			.80
Mar25 99	1.00	.70	.20	.50		1.80	1.10	.20	.60	.80	.40	.80	1.10	1.00	2.10	1.50	.80	.70	1.10
Apr06 99	.90	.70	.60	.30		1.40	.90	.50	.70	.70	.70		1.10	1.10	1.20		.50	.60	.80
Apr07 99												.80							
Apr18 99	2.70	1.20	1.20	.70		.50	.40	.80	.50	.60	.40	1.00	.60	.60	1.70	.90	.80	.30	.70
Apr30 99	1.10	.90	.70	.70		1.20	.60	.30	.40	1.30	.10	1.10	.70	.70		1.10	.80	2.20	1.30
May01 99															1.70				
May12 99	.40	.50				1.10	.70	.20	.50	.50	.10	.90	1.00	.90	1.00	1.10	.60	1.10	.60
May24 99		.50	.50	.30		1.00	1.60	.20	.30	.50	.10	.70	.80	.70	.80	.60		1.20	.30
May25 99	1.90																	.70	
Jun05 99		.40	.40				.40	.30		.30	.10	.40	.40		.40	.50	.40	.90	.40
Jun17 99		.70	.60				.40	.60		.70	.20	.60	.90		1.00	1.50	.60	1.40	.90
Jun29 99		1.50	.80				.70	.40		1.10	.10	1.00	2.10		1.60	1.60	1.30	1.50	1.80
Jul 11 99		1.10	.30				.80	.70		1.20	.10	1.00	1.30		1.40	1.60		1.20	.90
Jul 23 99		.50					11.10	.40		1.20	.40		1.00		.80	.90	.40	.90	.40
Jul 24 99												.40							
Aug04 99		.70	.20				.60	.40		.60	.10	2.80	.70		.90	1.20	.50	1.30	.60
Aug16 99		1.20	.50				.40	.40		.90	.20	.60	1.00		2.00	1.60	.90	1.20	
Aug26 99																			2.10
Aug28 99		.80	.80				.60	.50		1.70	.10	1.30	.80		1.70	1.30	.80	1.10	.50
Sep09 99		.70					.70	.40		.80	.80	.60	1.50			1.50	.90	1.00	1.00
Sep21 99		1.90					1.10			1.30	.10	1.20	1.50		1.40	3.80		1.80	.90
Oct03 99		.60					1.80			.30	.20	1.10	.60	1.30	.80	.70	.60	1.20	
Oct15 99		1.40	1.40				2.40	.40		2.40	.10	2.70	4.50		4.30	4.90	2.10		2.90
Oct20 99																		6.80	
Oct27 99		1.60	1.40	1.00		2.40	.70	.50		1.50	< .10	1.10	2.30		1.50	2.20	2.10	.80	1.20
Nov08 99		1.40		.60		3.60		.50		1.70	.20	1.30	2.00		1.60	1.60		1.30	1.40
Nov10 99							1.30												
Nov20 99		1.70		1.50		2.50	.50	.20		3.30	2.50	1.80	1.80		4.50	1.80	1.10	2.50	1.10
Dec02 99		2.30		.80		2.90	.40	.60		2.90	.20	2.50	2.50		2.30	2.90	1.80	3.90	1.70
Dec14 99		3.90	1.90			3.20	1.70	.90		3.60	.10	2.50	3.60		4.10	5.10	2.30	6.60	2.10
Dec26 99		2.60	1.00	.80		3.10	1.40	1.30			.60	2.20	2.50		4.20	5.20	2.40	4.50	2.40
Dec28 99										3.80									

# OBS	12	30	22	17		18	30	28	12	30	30	30	30	13	29	29	27	30	27
#<LOD	0	0	0	0		0	0	0	0	0	3	0	0	0	0	0	0	0	0
Max	2.70	3.90	1.90	1.50		4.40	11.10	1.30	1.90	3.80	3.40	3.80	4.50	2.20	5.80	5.40	3.20	6.80	2.90
Min	.40	.40	.20	.20		.50	.40	.20	.30	.30	< .10	.40	.40	.60	.40	.50	.40	.30	.30
mean*	1.47	1.34	.80	.75		2.01	1.45	.51	.88	1.42	.40	1.39	1.57	1.29	2.13	2.13	1.30	1.94	1.19
sdev*	.79	.80	.46	.37		1.06	1.94	.25	.48	1.01	.73	.81	.93	.53	1.40	1.45	.83	1.61	.65

\* includes Obs < LOD as 1/2 LOD

**BAY AREA AIR QUALITY MANAGEMENT DISTRICT  
TOXIC AIR CONTAMINANTS  
1999 ANNUAL REPORT  
DECEMBER 2000**

Ambient Air Toxics Data - 1,1,1-trichloroethane (ppb)  
Date Range: Jan 01, 1999 - Dec 31, 1999

Months	1014	1017	1018	1022	2017	2018	2019	2021	2030	3005	3007	4001	5011	5011	6004	7009	7013	8004	9004
Jan01 99				.08															
Jan12 99	.09	.17	.09			.07	.12	.09	.15	.07	.11	.12	.09	.10	.13	.12	.08	.10	
Jan13 99				.09															
Jan24 99	< .05	.13	.06	.05		.05	.05	.09	.13	.05	.06	.17	< .05	< .05	.10	.08	.07	.06	
Feb05 99	.06	.14	.08	.08		.09	.16	.08	.17	< .05	.16	.11	.10	.09	.16	.07	.06	.06	.14
Feb17 99	.08	.28	.09	.09		.06	.09	.08	.15	.06	.08	.09	.08	.09	.16	.07	.08	.11	.14
Mar01 99	.06	.13	.08	.08		.07	.06	.08	.17	< .05	.14		.12	.12	.09	.08	.10	.06	.12
Mar02 99												.07							
Mar13 99	.08	4.66	.08	.08		.12	.09	.07	.17	.06	.15	.11	.07	.08	.07	.07	.05		.13
Mar16 99																		.15	
Mar25 99	.13	.17	.06	.07		.05	.05	.08	.07	.06	.09	.08	.08	.08	.14	.06	.07	.10	.10
Apr06 99	.17	.96	.11	.09		.12	.08	.05	.10	< .05	.10		.08	.09	.08		.07	.09	.17
Apr07 99												.09							
Apr18 99	.05	2.15	.08	< .05		.05	.05	< .05	.11	< .05	.21	.11	.07	.07	.08	.05	.06	.05	.26
Apr30 99	.09	.12	.09	.08		.05	.11	.08	.16	.05	.15	.09	.08	.08		.10	.05	.27	.21
May01 99															.08				
May12 99	.05	.17				.09	.05	.08	.17	< .05	.16	.09	.08	.06	.07	.05	.08	.13	.19
May24 99		.17	.08	< .05		< .05	.08	.07	.17	< .05	.18	.08	.09	.05	.07	.09		.21	.43
May25 99	.08																< .05		
Jun05 99		.08	.08				.07	.08		.09	.17	.17	.08		.09	.09	.08	.19	.44
Jun17 99		.11	.09				.09	.09		.05	.16	.10	.08		.10	.07	.09	.19	.35
Jun29 99		.22	.06				.06	.08		.07	.13	.09	.11		.15	.06	.08	.17	.36
Jul 11 99		.45	.07				.05	.08		.08	.15	.10	.10		.18	.08		.18	.68
Jul 23 99		.31					.07	.08		.06	.33		.08		.06	.10	.05	.14	.41
Jul 24 99												.08							
Aug04 99		.12	< .05				.08	.08		< .05	.18	.63	.08		.06	.05	.08	.13	.40
Aug16 99		.40	.05				.08	.08		.09	.28	.08	.08		.08	.06	.10	.14	
Aug26 99																			.76
Aug28 99		.13	.06				.10	.10		.05	.20	.11	.09		.09	.06	.08	.16	.10
Sep09 99		.14					.08	.08		.05	.40	.09	.08			.05	.07	.14	.35
Sep21 99		.20					.09			.05	.25	.11	.09		.15	.14		.19	.54
Oct03 99		.15					< .05			< .05	.15	.09	< .05	.05	.15	.06	.05	.13	
Oct15 99		.27	.11				.09	.05		.10	.16	.11	.11		.10	.09	.11		.55
Oct20 99																			.11
Oct27 99		4.60	.06	.06		< .05	.06	.07		.44	.06	.07	.05		.10	.09	.05	.05	.30
Nov08 99		.19		.09		.11		.05		.70	.10	.10	.09		.14	.09		.05	.30
Nov10 99							.09												
Nov20 99		.13		.12		.09	.09	.07		.76	.18	.10	.07		.11	.08	.09	.10	.18
Dec02 99		.12		< .05		.09	.09	.08		.78	.05	.16	.11		.06	.06	.11	.09	.24
Dec14 99		.18	.11			.11	.10	.08		.84	.10	.14	.09		.09	.13	.07	.10	.14
Dec26 99		.23	.11	.05		.11	.10	.10			.12	.12	.11		.10	.10	.11	.09	.11
Dec28 99										.69									
# OBS	12	30	22	17		18	30	28	12	30	30	30	30	13	29	29	27	30	27
#<LOD	1	0	1	3		2	1	1	0	8	0	0	2	1	0	0	1	0	0
Max	.17	4.66	.11	.12		.12	.16	.10	.17	.84	.40	.63	.12	.12	.18	.14	.11	.27	.76
Min	< .05	.08	< .05	.05		.05	.05	.05	.07	.05	.05	.07	< .05	< .05	.06	.05	.05	.05	.10
mean*	.08	.58	.08	.07		.08	.08	.08	.14	.18	.16	.12	.08	.08	.10	.08	.07	.12	.30
sdev*	.04	1.17	.02	.03		.03	.03	.02	.03	.27	.08	.10	.02	.02	.03	.02	.02	.05	.18

\* includes Obs < LOD as 1/2 LOD

**BAY AREA AIR QUALITY MANAGEMENT DISTRICT  
TOXIC AIR CONTAMINANTS  
1999 ANNUAL REPORT  
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Ambient Air Toxics Data - Tri chloroethylene (ppb)  
Date Range: Jan 01, 1999 - Dec 31, 1999

Months	1014	1017	1018	1022	2017	2018	2019	2021	2030	3005	3007	4001	5011	5011	6004	7009	7013	8004	9004
Jan01 99				< .08															
Jan12 99	< .08	< .08	< .08			< .08	< .08	< .08	< .08	< .08	< .08	< .08	< .08	< .08	.29	< .08	< .08	< .08	
Jan13 99				< .08															
Jan24 99	< .08	< .08	< .08	< .08		< .08	< .08	< .08	< .08	< .08	< .08	< .08	< .08	< .08	.31	< .08	< .08	< .08	
Feb05 99	< .08	< .08	< .08	< .08		< .08	< .08	< .08	.08	< .08	< .08	< .08	< .08	< .08	.44	< .08	< .08	< .08	< .08
Feb17 99	< .08	< .08	< .08	< .08		< .08	< .08	< .08	< .08	< .08	< .08	< .08	< .08	< .08	.16	< .08	< .08	< .08	< .08
Mar01 99	< .08	< .08	< .08	< .08		< .08	< .08	< .08	< .08	< .08	< .08	< .08	< .08	< .08	.16	< .08	< .08	< .08	< .08
Mar02 99												< .08							
Mar13 99	< .08	< .08	< .08	< .08		< .08	< .08	< .08	< .08	< .08	< .08	< .08	< .08	< .08	.16	< .08	< .08		< .08
Mar16 99																			< .08
Mar25 99	< .08	< .08	< .08	< .08		< .08	< .08	< .08	< .08	< .08	< .08	< .08	< .08	< .08	.16	< .08	< .08	< .08	< .08
Apr06 99	< .08	< .08	< .08	< .08		< .08	< .08	< .08	< .08	< .08	< .08	< .08	< .08	< .08	.14		.08	< .08	< .08
Apr07 99												< .08							
Apr18 99	< .08	< .08	< .08	< .08		< .08	< .08	< .08	< .08	< .08	< .08	< .08	< .08	< .08	.13	< .08	.08	< .08	< .08
Apr30 99	< .08	< .08	< .08	< .08		< .08	< .08	< .08	< .08	< .08	< .08	< .08	< .08	< .08		< .08	< .08	< .08	< .08
May01 99															< .08				
May12 99	< .08	< .08				< .08	< .08	< .08	< .08	< .08	< .08	< .08	< .08	< .08	.52	< .08	.10	< .08	< .08
May24 99		< .08	< .08	< .08		< .08	< .08	< .08	< .08	< .08	< .08	< .08	< .08	< .08	.08	< .08		< .08	< .08
May25 99	< .08																< .08		
Jun05 99		< .08	< .08				< .08	< .08		< .08	< .08	< .08	< .08		.38	< .08	< .08	< .08	< .08
Jun17 99		< .08	< .08				< .08	< .08		< .08	< .08	< .08	< .08		.09	< .08	.10	< .08	< .08
Jun29 99		< .08	< .08				.17	< .08		< .08	< .08	< .08	< .08		.10	.15	.10	< .08	< .08
Jul 11 99		< .08	< .08				< .08	< .08		< .08	< .08	< .08	< .08		.10	< .08		< .08	< .08
Jul 23 99		< .08					< .08	< .08		< .08	< .08		< .08		.23	< .08	< .08	< .08	< .08
Jul 24 99												< .08							
Aug04 99		< .08	< .08				< .08	< .08		< .08	< .08	< .08	< .08		< .08	< .08	< .08	< .08	< .08
Aug16 99		< .08	< .08				< .08	< .08		< .08	< .08	< .08	< .08		.12	< .08	< .08	< .08	< .08
Aug26 99																			< .08
Aug28 99		< .08	< .08				< .08	< .08		< .08	< .08	< .08	< .08		< .08	< .08	.08	< .08	< .08
Sep09 99		< .08					< .08	< .08		< .08	< .08	< .08	< .08			< .08	< .08	< .08	< .08
Sep21 99		< .08					< .08			< .08	< .08	< .08	< .08		.10	< .08		< .08	< .08
Oct03 99		< .08					< .08			< .08	< .08	< .08	< .08	< .08	.08	< .08	< .08	< .08	< .08
Oct15 99		< .08	.08				< .08	< .08		.37	< .08	< .08	< .08	< .08	.14	< .08	< .08		< .08
Oct20 99																			< .08
Oct27 99		< .08	< .08	< .08		< .08	< .08	< .08		< .08	< .08	< .08	< .08		< .08	< .08	< .08	< .08	< .08
Nov08 99		< .08		< .08		< .08		< .08		< .08	< .08	< .08	< .08		.34	< .08		< .08	< .08
Nov10 99							< .08												
Nov20 99		< .08		< .08		< .08	< .08	< .08		< .08	< .08	< .08	< .08		.34	< .08	< .08	< .08	< .08
Dec02 99		< .08		< .08		< .08	< .08	< .08		< .08	< .08	< .08	< .08		.25	< .08	< .08	< .08	< .08
Dec14 99		< .08	< .08			< .08	< .08	< .08		.08	< .08	< .08	< .08		.35	< .08	< .08	< .08	< .08
Dec26 99		< .08	< .08	< .08		< .08	< .08	< .08			< .08	< .08	< .08		.22	< .08	< .08	< .08	< .08
Dec28 99										< .08									

# OBS	12	30	22	17		18	30	28	12	30	30	30	30	13	29	29	27	30	27
#<LOD	12	30	21	17		18	29	28	11	28	30	30	30	13	4	28	21	30	27
Max	< .08	< .08	< .08	< .08		< .08	.17	< .08	< .08	.37	< .08	< .08	< .08	< .08	.52	.15	.10	< .08	< .08
Min	< .08	< .08	< .08	< .08		< .08	< .08	< .08	< .08	< .08	< .08	< .08	< .08	< .08	< .08	< .08	< .08	< .08	< .08
mean*	< .08	< .08	.04	< .08		< .08	.04	< .08	.04	.05	< .08	< .08	< .08	< .08	.19	.04	.05	< .08	< .08
sdev*			.01				.02		.01	.06					.13	.02	.02		

\* includes Obs < LOD as 1/2 LOD

**BAY AREA AIR QUALITY MANAGEMENT DISTRICT  
TOXIC AIR CONTAMINANTS  
1999 ANNUAL REPORT  
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Ambient Air Toxics Data - Chloroform (ppb)  
Date Range: Jan 01, 1999 - Dec 31, 1999

Months	1014	1017	1018	1022	2017	2018	2019	2021	2030	3005	3007	4001	5011	5011	6004	7009	7013	8004	9004
Jan01 99				< .02															
Jan12 99	< .02	< .02	< .02			< .02	< .02	< .02	< .02	< .02	< .02	< .02	< .02	< .02	< .02	< .02	< .02	< .02	
Jan13 99				< .02															
Jan24 99	< .02	< .02	< .02	< .02		< .02	< .02	< .02	< .02	< .02	< .02	< .02	< .02	< .02	< .02	< .02	< .02	< .02	
Feb05 99	< .02	< .02	< .02	< .02		< .02	< .02	< .02	< .02	< .02	< .02	< .02	< .02	< .02	< .02	< .02	< .02	< .02	< .02
Feb17 99	< .02	< .02	< .02	< .02		< .02	< .02	< .02	< .02	< .02	< .02	< .02	< .02	< .02	< .02	< .02	< .02	< .02	< .02
Mar01 99	< .02	< .02	< .02	< .02		< .02	< .02	< .02	< .02	< .02	< .02		< .02	< .02	< .02	< .02	< .02	< .02	< .02
Mar02 99												< .02							
Mar13 99	< .02	< .02	< .02	< .02		< .02	< .02	< .02	.04	< .02	< .02	.04	< .02	< .02	< .02	< .02	< .02		< .02
Mar16 99																			< .02
Mar25 99	< .02	< .02	< .02	< .02		< .02	< .02	< .02	< .02	< .02	< .02	< .02	< .02	< .02	< .02	< .02	< .02	< .02	< .02
Apr06 99	< .02	< .02	< .02	< .02		< .02	< .02	< .02	< .02	< .02	< .02	< .02	< .02	< .02	< .02		< .02	< .02	< .02
Apr07 99												< .02							
Apr18 99	< .02	< .02	< .02	< .02		< .02	< .02	< .02	< .02	< .02	< .02	< .02	< .02	< .02	< .02	< .02	< .02	< .02	< .02
Apr30 99	< .02	< .02	< .02	< .02		< .02	< .02	< .02	< .02	< .02	< .02	< .02	< .02	< .02		< .02	< .02	< .02	< .02
May01 99															< .02				
May12 99	< .02	< .02				< .02	< .02	< .02	< .02	< .02	< .02	< .02	< .02	< .02	< .02	< .02	< .02	< .02	< .02
May24 99		< .02	< .02	< .02		< .02	< .02	< .02	< .02	< .02	< .02	< .02	< .02	< .02	< .02	< .02		.07	< .02
May25 99	< .02																		
Jun05 99		< .02	< .02				< .02	< .02		< .02	< .02	.04	< .02		< .02	< .02	< .02	< .02	< .02
Jun17 99		< .02	< .02				< .02	< .02		< .02	< .02	< .02	< .02		< .02	< .02	< .02	< .02	< .02
Jun29 99		.05	< .02				< .02	< .02		< .02	< .02	.04	.03		< .02	< .02	< .02	< .02	< .02
Jul 11 99		.04	< .02				< .02	< .02		< .02	< .02	< .02	< .02		.06	< .02		.10	< .02
Jul 23 99		< .02					< .02	< .02		< .02	< .02		< .02		< .02	< .02	< .02	< .02	< .02
Jul 24 99												< .02							
Aug04 99		< .02	< .02				< .02	< .02		< .02	< .02	.13	< .02		< .02	< .02	< .02	< .02	< .02
Aug16 99		.03	< .02				< .02	< .02		< .02	< .02	< .02	< .02		.05	< .02	.06	.08	
Aug26 99																			< .02
Aug28 99		< .02	< .02				< .02	< .02		< .02	< .02	< .02	< .02		< .02	< .02	< .02	< .02	< .02
Sep09 99		< .02					< .02	< .02		< .02	< .02	< .02	< .02			< .02	< .02	.05	< .02
Sep21 99		< .02					< .02			< .02	< .02	< .02	< .02		.05	.06		.10	< .02
Oct03 99		< .02					< .02			< .02	< .02	< .02	< .02	< .02	< .02	< .02	< .02	< .02	< .02
Oct15 99		< .02	< .02				.04	< .02		< .02	< .02	.04	< .02	< .02	< .02	< .02	< .02	< .02	< .02
Oct20 99																			.05
Oct27 99		< .02	< .02	< .02		< .02	< .02	< .02		< .02	< .02	< .02	< .02		< .02	< .02	< .02	< .02	< .02
Nov08 99		< .02		< .02		< .02		< .02		.04	< .02	< .02	< .02		< .02	< .02		< .02	< .02
Nov10 99							.02												
Nov20 99		< .02		< .02		< .02	< .02	< .02		< .02	< .02	< .02	< .02		< .02	< .02	< .02	.04	< .02
Dec02 99		< .02		< .02		< .02	< .02	< .02		< .02	< .02	.04	< .02		< .02	< .02	.04	< .02	< .02
Dec14 99		.04	< .02			.06	< .02	< .02		.33	< .02	< .02	.05		< .02	.06	< .02	< .02	< .02
Dec26 99		< .02	< .02	< .02		.05	< .02	< .02			< .02	< .02	.07		.06	< .02	.10	< .02	< .02
Dec28 99										.19									

# OBS	12	30	22	17		18	30	28	12	30	30	30	30	13	29	29	27	30	27
#<LOD	12	26	22	17		16	28	28	11	27	30	24	27	13	25	27	24	23	27
Max	< .02	.05	< .02	< .02		.06	.04	< .02	.04	.33	< .02	.13	.07	< .02	.06	.06	.10	.10	< .02
Min	< .02	< .02	< .02	< .02		< .02	< .02	< .02	< .02	< .02	< .02	< .02	< .02	< .02	< .02	< .02	< .02	< .02	< .02
mean*	< .02	.01	< .02	< .02		.02	.01	< .02	.01	.03	< .02	.02	.01	< .02	< .02	.01	.02	.02	< .02
sdev*		.01				.01	.01		.01	.07		.02	.01		.02	.01	.02	.03	

\* includes Obs < LOD as 1/2 LOD



**BAY AREA AIR QUALITY MANAGEMENT DISTRICT  
TOXIC AIR CONTAMINANTS  
1999 ANNUAL REPORT  
DECEMBER 2000**

Ambient Air Toxics Data - Methylene chloride (ppb)  
Date Range: Jan 01, 1999 - Dec 31, 1999

Months	1014	1017	1018	1022	2017	2018	2019	2021	2030	3005	3007	4001	5011	5011	6004	7009	7013	8004	9004
Jan01 99				< .50															
Jan12 99	< .50	< .50	< .50			.50	< .50	< .50	< .50	< .50	< .50	< .50	< .50	< .50	< .50	.60	< .50	1.10	
Jan13 99				< .50															
Jan24 99	< .50	< .50	< .50	< .50		< .50	< .50	< .50	< .50	< .50	< .50	< .50	< .50	< .50	.80	< .50	< .50	< .50	
Feb05 99	< .50	< .50	< .50	< .50		< .50	< .50	< .50	2.00	< .50	< .50	< .50	< .50	< .50	< .50	< .50	< .50	1.40	< .50
Feb17 99	< .50	< .50	< .50	< .50		< .50	< .50	< .50	1.80	< .50	< .50	< .50	.50	.60	< .50	.50	< .50	< .50	< .50
Mar01 99	< .50	< .50	< .50	< .50		< .50	< .50	< .50	< .50	< .50	< .50		< .50	< .50	< .50	< .50	< .50	.80	< .50
Mar02 99												< .50							
Mar13 99	1.30	< .50	< .50	< .50		< .50	< .50	< .50	1.50	< .50	< .50	< .50	< .50	< .50	< .50	.80	1.40		< .50
Mar16 99																		.70	
Mar25 99	< .50	< .50	< .50	< .50		< .50	< .50	< .50	< .50	< .50	< .50	< .50	< .50	< .50	< .50	< .50	< .50	< .50	< .50
Apr06 99	< .50	< .50	< .50	< .50		< .50	< .50	< .50	< .50	< .50	< .50		< .50	< .50	< .50		< .50	< .50	< .50
Apr07 99												< .50							
Apr18 99	< .50	< .50	< .50	< .50		< .50	< .50	< .50	< .50	< .50	< .50	< .50	< .50	< .50	< .50	< .50	< .50	< .50	< .50
Apr30 99	< .50	< .50	< .50	< .50		< .50	< .50	< .50	< .50	< .50	< .50	< .50	1.00	.80		< .50	< .50	19.60	.80
May01 99															< .50				
May12 99	1.70	.70				< .50	< .50	< .50	< .50	< .50	< .50	< .50	< .50	< .50	< .50	< .50	< .50	5.00	< .50
May24 99		< .50	< .50	< .50		< .50	< .50	< .50	< .50	< .50	< .50	< .50	< .50	< .50	< .50	< .50	< .50	8.00	< .50
May25 99	< .50																	< .50	
Jun05 99		< .50	< .50				< .50	< .50		< .50	< .50	< .50	< .50		< .50	< .50	< .50	10.30	< .50
Jun17 99		< .50	< .50				< .50	< .50		< .50	< .50	< .50	2.50		< .50	< .50	< .50	10.30	< .50
Jun29 99		< .50	< .50				< .50	< .50		< .50	< .50	.70	< .50		1.40	< .50	< .50	5.10	< .50
Jul 11 99		< .50	< .50				< .50	< .50		< .50	< .50	< .50	.90		< .50	< .50		6.80	< .50
Jul 23 99		< .50					1.70	< .50		< .50	< .50		1.40		< .50	.70	< .50	6.30	< .50
Jul 24 99												< .50							
Aug04 99		< .50	< .50				< .50	< .50		< .50	< .50	3.60	.60		< .50	< .50	< .50	6.00	< .50
Aug16 99		< .50	< .50				< .50	< .50		< .50	< .50	< .50	< .50		.70	< .50	< .50	6.60	
Aug26 99																			< .50
Aug28 99		< .50	< .50				< .50	< .50		< .50	< .50	< .50	< .50		< .50	< .50	< .50	8.50	< .50
Sep09 99		< .50					< .50	< .50		< .50	< .50	< .50	< .50			< .50	< .50	7.00	< .50
Sep21 99		< .50					< .50	< .50		< .50	< .50	< .50	< .50		< .50	< .50		12.20	< .50
Oct03 99		< .50					< .50			< .50	< .50	< .50	< .50	< .50	< .50	< .50	< .50	11.10	
Oct15 99		< .50	< .50				< .50	.50		< .50	< .50	< .50	< .50		.90	1.20	< .50		< .50
Oct20 99																		1.00	
Oct27 99		< .50	< .50	< .50		< .50	< .50	< .50		1.90	< .50	< .50	< .50		< .50	< .50	< .50	< .50	< .50
Nov08 99		.50		< .50		< .50		< .50		1.60	< .50	< .50	< .50		.50	< .50		1.00	< .50
Nov10 99							< .50												
Nov20 99		< .50		< .50		< .50	< .50	< .50		2.20	< .50	< .50	< .50		.90	< .50	< .50	< .50	< .50
Dec02 99		< .50		< .50		< .50	< .50	.50		.80	< .50	< .50	< .50		< .50	< .50	< .50	.60	< .50
Dec14 99		< .50	< .50			< .50	< .50	< .50		2.20	< .50	< .50	2.30		< .50	1.20	< .50	< .50	< .50
Dec26 99		< .50	< .50	< .50		< .50	< .50	< .50		< .50	< .50	1.00	< .50		.60	.80	< .50	.70	< .50
Dec28 99										2.10									

# OBS	12	30	22	17		18	30	28	12	30	30	30	30	13	29	29	27	30	27
#<LOD	10	28	22	17		17	29	26	9	24	30	27	23	11	22	22	26	8	26
Max	1.70	.70	< .50	< .50		.50	1.70	< .50	2.00	2.20	< .50	3.60	2.50	.80	1.40	1.20	1.40	19.60	.80
Min	< .50	< .50	< .50	< .50		.50	< .50	< .50	< .50	< .50	< .50	< .50	< .50	< .50	< .50	< .50	< .50	< .50	< .50
mean*	.46	.27	< .50	< .50		.26	.30	.27	.63	.56	< .50	.40	.50	.32	.39	.39	.29	4.40	.27
sdev*	.49	.09				.06	.26	.07	.69	.67		.62	.58	.17	.29	.28	.22	4.90	.11

\* includes Obs < LOD as 1/2 LOD

**BAY AREA AIR QUALITY MANAGEMENT DISTRICT  
TOXIC AIR CONTAMINANTS  
1999 ANNUAL REPORT  
DECEMBER 2000**

Ambient Air Toxics Data - Benzene (ppb)  
Date Range: Jan 01, 1999 - Dec 31, 1999

Months	1014	1017	1018	1022	2017	2018	2019	2021	2030	3005	3007	4001	5011	5011	6004	7009	7013	8004	9004
Jan01 99				.40															
Jan12 99	.70	.90	.70			1.40	.80	.50	.80	1.20	.20	2.00	.70	.80	2.40	1.90	1.20	1.10	
Jan13 99				.60															
Jan24 99	.70	.70	.30	.10		.50	.30	.20	.70	.50	< .10	.30	.50	.50	.70	1.00	1.60	1.10	
Feb05 99	1.10	1.10	.20	.50		.60	.70	.50	.60	.80	< .10	.90	.90	.70	1.40	1.30	1.00	1.40	.70
Feb17 99	.50	.70	.40	.50		.60	.40	.30	.50	.50	< .10	.70	.60	.60	.80	.80	.60	.50	.70
Mar01 99	.30	.30	.40	.40		.40	.40	.20	.50	.30	< .10		.60	.60	.60	.40	.80	.40	.20
Mar02 99												.50							
Mar13 99	.50	.50	.40	.30		.40	.60	.40	.50	.40	.20	.60	.40	.40	.50	1.00	.30		.40
Mar16 99																			.40
Mar25 99	.40	.40	.10	.30		.40	.40	.10	.30	.30	.10	.30	.40	.40	.50	.50	.20	.20	.20
Apr06 99	.50	.40	.30	.20		.40	.40	.30	.30	.30	.30		.30	.40	.40		.30	.30	.40
Apr07 99												.40							
Apr18 99	.50	.50	.50	.40		.30	.20	.30	.30	.30	.20	.40	.20	.20	.50	.30	.40	.20	.30
Apr30 99	.30	.40	.40	.40		.30	.30	.20	.20	.50	.10	.40	.30	.30		.50	.50	.50	.50
May01 99															.40				
May12 99	.20	.30				.20	.30	.10	.30	.30	< .10	.30	.30	.30	.30	.30	.20	.40	.40
May24 99		.20	.20	.20		.20	.20	.10	.20	.30	.10	.40	.30	.20	.20	.20		.30	.10
May25 99	.30																.20		
Jun05 99		.20	.20				.20	.10		.20	.10	.20	.20		.10	.30	.20	.10	.20
Jun17 99		.30	.20				.20	.20		.20	.10	.20	.20		.40	.40	.20	.50	.30
Jun29 99		.50	.30				.20	.20		.50	.10	.40	.40		.60	.40	.50	.30	.50
Jul 11 99		.30	.20				.30	.30		.30	.10	.40	.50		.50	.30		.30	.30
Jul 23 99		.10					.10	.10		.50	.20		.10		.30	.20	.10	.20	.10
Jul 24 99												.10							
Aug04 99		.10	.10				.20	.20		.20	.10	.30	.30		.20	.30	.10	.40	.20
Aug16 99		.30	.20				.10	.20		.30	.10	.20	.30		.50	.60	.30	.30	
Aug26 99																			.60
Aug28 99		.30	.20				.30	.30		.30	.10	.40	.40		.30	.40	.40	.30	.20
Sep09 99		.30					.10	.20		.30	.20	.30	.40			.30	.30	.30	.30
Sep21 99		.70					.40			.50	.10	.50	.40		.40	1.00		.80	.40
Oct03 99		.30					.30			.20	.10	.30	.30	.30	.30	.30	.40	.30	
Oct15 99		.50	.60				.80	.20		1.10	.10	.90	1.30	.30	1.50	1.40	.70		1.00
Oct20 99																			2.60
Oct27 99		.40	.60	.50		.20	.30	.30		.50	< .10	.40	.40		.50	.50	.60	.30	.40
Nov08 99		.50		.20		.40		.30		.90	.10	.70	.60		.60	.60		.40	.40
Nov10 99							.60												
Nov20 99		.40		.90		.40		.20		1.70	.50	.80	.80		1.40	.80	.50	.90	.50
Dec02 99		1.00		.40		.90	.30	.40		1.30	.10	1.10	.70		.80	1.30	.60	1.70	.90
Dec14 99		1.40	.90			1.20	.60	.40		1.50	.10	1.20	1.60		1.80	1.70	1.40	3.10	1.20
Dec26 99		1.20	.50	.30		1.40	.80	.80			.40	1.30	1.00		2.00	2.60	1.30	2.80	1.40
Dec28 99									2.10										
# OBS	12	30	22	17		18	30	28	12	30	30	30	30	13	29	29	27	30	27
#<LOD	0	0	0	0		0	0	0	0	0	5	0	0	0	0	0	0	0	0
Max	1.10	1.40	.90	.90		1.40	.80	.80	.80	2.10	.50	2.00	1.60	.80	2.40	2.60	1.60	3.10	1.40
Min	.20	.10	.10	.10		.20	.10	.10	.20	.20	< .10	.10	.10	.20	.10	.20	.10	.10	.10
mean*	.50	.51	.36	.39		.57	.37	.27	.43	.61	.14	.56	.51	.44	.72	.74	.55	.75	.47
sdev*	.24	.32	.21	.19		.39	.21	.15	.20	.50	.10	.41	.33	.19	.58	.59	.41	.80	.33

\* includes Obs < LOD as 1/2 LOD

**BAY AREA AIR QUALITY MANAGEMENT DISTRICT  
TOXIC AIR CONTAMINANTS  
1999 ANNUAL REPORT  
DECEMBER 2000**

Ambient Air Toxics Data - Ethylene dibromide (ppb)  
Date Range: Jan 01, 1999 - Dec 31, 1999

Months	1014	1017	1018	1022	2017	2018	2019	2021	2030	3005	3007	4001	5011	5011	6004	7009	7013	8004	9004
Jan01 99				< .02															
Jan12 99	< .02	< .02	< .02			< .02	< .02	< .02	< .02	< .02	< .02	< .02	< .02	< .02	< .02	< .02	< .02	< .02	
Jan13 99				< .02															
Jan24 99	< .02	< .02	< .02	< .02		< .02	< .02	< .02	< .02	< .02	< .02	< .02	< .02	< .02	< .02	< .02	< .02	< .02	
Feb05 99	< .02	< .02	< .02	< .02		< .02	< .02	< .02	< .02	< .02	< .02	< .02	< .02	< .02	< .02	< .02	< .02	< .02	< .02
Feb17 99	< .02	< .02	< .02	< .02		< .02	< .02	< .02	< .02	< .02	< .02	< .02	< .02	< .02	< .02	< .02	< .02	< .02	< .02
Mar01 99	< .02	< .02	< .02	< .02		< .02	< .02	< .02	< .02	< .02	< .02		< .02	< .02	< .02	< .02	< .02	< .02	< .02
Mar02 99												< .02							
Mar13 99	< .02	< .02	< .02	< .02		< .02	< .02	< .02	< .02	< .02	< .02	< .02	< .02	< .02	< .02	< .02	< .02		< .02
Mar16 99																			< .02
Mar25 99	< .02	< .02	< .02	< .02		< .02	< .02	< .02	< .02	< .02	< .02	< .02	< .02	< .02	< .02	< .02	< .02	< .02	< .02
Apr06 99	< .02	< .02	< .02	< .02		< .02	< .02	< .02	< .02	< .02	< .02		< .02	< .02	< .02		< .02	< .02	< .02
Apr07 99												< .02							
Apr18 99	< .02	< .02	< .02	< .02		< .02	< .02	< .02	< .02	< .02	< .02	< .02	< .02	< .02	< .02	< .02	< .02	< .02	< .02
Apr30 99	< .02	< .02	< .02	< .02		< .02	< .02	< .02	< .02	< .02	< .02	< .02	< .02	< .02		< .02	< .02	< .02	< .02
May01 99															< .02				
May12 99	< .02	< .02				< .02	< .02	< .02	< .02	< .02	< .02	< .02	< .02	< .02	< .02	< .02	< .02	< .02	< .02
May24 99		< .02	< .02	< .02		< .02	< .02	< .02	< .02	< .02	< .02	< .02	< .02	< .02	< .02	< .02		< .02	< .02
May25 99	< .02																		< .02
Jun05 99		< .02	< .02				< .02	< .02		< .02	< .02	< .02	< .02		< .02	< .02	< .02	< .02	< .02
Jun17 99		< .02	< .02				< .02	< .02		< .02	< .02	< .02	< .02		< .02	< .02	< .02	< .02	< .02
Jun29 99		< .02	< .02				< .02	< .02		< .02	< .02	< .02	< .02		< .02	< .02	< .02	< .02	< .02
Jul 11 99		< .02	< .02				< .02	< .02		< .02	< .02	< .02	< .02		< .02	< .02	< .02	< .02	< .02
Jul 23 99		< .02					< .02	< .02		< .02	< .02		< .02		< .02	< .02	< .02	< .02	< .02
Jul 24 99												< .02							
Aug04 99		< .02	< .02				< .02	< .02		< .02	< .02	< .02	< .02		< .02	< .02	< .02	< .02	< .02
Aug16 99		< .02	< .02				< .02	< .02		< .02	< .02	< .02	< .02		< .02	< .02	< .02	< .02	< .02
Aug26 99																			< .02
Aug28 99		< .02	< .02				< .02	< .02		< .02	< .02	< .02	< .02		< .02	< .02	< .02	< .02	< .02
Sep09 99		< .02					< .02	< .02		< .02	< .02	< .02	< .02			< .02	< .02	< .02	< .02
Sep21 99		< .02					< .02	< .02		< .02	< .02	< .02	< .02			< .02	< .02	< .02	< .02
Oct03 99		< .02					< .02	< .02		< .02	< .02	< .02	< .02	< .02		< .02	< .02	< .02	< .02
Oct15 99		< .02	< .02				< .02	< .02		< .02	< .02	< .02	< .02	< .02		< .02	< .02	< .02	< .02
Oct20 99																			< .02
Oct27 99		< .02	< .02	< .02		< .02	< .02	< .02		< .02	< .02	< .02	< .02		< .02	< .02	< .02	< .02	< .02
Nov08 99		< .02		< .02		< .02		< .02		< .02	< .02	< .02	< .02		< .02	< .02		< .02	< .02
Nov10 99							< .02												
Nov20 99		< .02		< .02		< .02	< .02	< .02		< .02	< .02	< .02	< .02		< .02	< .02	< .02	< .02	< .02
Dec02 99		< .02		< .02		< .02	< .02	< .02		< .02	< .02	< .02	< .02		< .02	< .02	< .02	< .02	< .02
Dec14 99		< .02	< .02			< .02	< .02	< .02		< .02	< .02	< .02	< .02		< .02	< .02	< .02	< .02	< .02
Dec26 99		< .02	< .02	< .02		< .02	< .02	< .02		< .02	< .02	< .02	< .02		< .02	< .02	< .02	< .02	< .02
Dec28 99										< .02									

# OBS	12	30	22	17		18	30	28	12	30	30	30	30	13	29	29	27	30	27
#<LOD	12	30	22	17		18	30	28	12	30	30	30	30	13	29	29	27	30	27
Max	< .02	< .02	< .02	< .02		< .02	< .02	< .02	< .02	< .02	< .02	< .02	< .02	< .02	< .02	< .02	< .02	< .02	< .02
Min	< .02	< .02	< .02	< .02		< .02	< .02	< .02	< .02	< .02	< .02	< .02	< .02	< .02	< .02	< .02	< .02	< .02	< .02
mean*	< .02	< .02	< .02	< .02		< .02	< .02	< .02	< .02	< .02	< .02	< .02	< .02	< .02	< .02	< .02	< .02	< .02	< .02
sdev*																			

\* includes Obs < LOD as 1/2 LOD

**BAY AREA AIR QUALITY MANAGEMENT DISTRICT  
TOXIC AIR CONTAMINANTS  
1999 ANNUAL REPORT  
DECEMBER 2000**

Ambient Air Toxics Data - Vinyl chloride (ppb)  
Date Range: Jan 01, 1999 - Dec 31, 1999

Months	1014	1017	1018	1022	2017	2018	2019	2021	2030	3005	3007	4001	5011	5011	6004	7009	7013	8004	9004
Jan01 99				< .30															
Jan12 99	< .30	< .30	< .30			< .30	< .30	< .30	< .30	< .30	< .30	< .30	< .30	< .30	< .30	< .30	< .30	< .30	
Jan13 99				< .30															
Jan24 99	< .30	< .30	< .30	< .30		< .30	< .30	< .30	< .30	< .30	< .30	< .30	< .30	< .30	< .30	< .30	< .30	< .30	
Feb05 99	< .30	< .30	< .30	< .30		< .30	< .30	< .30	< .30	< .30	< .30	< .30	< .30	< .30	< .30	< .30	< .30	< .30	< .30
Feb17 99	< .30	< .30	< .30	< .30		< .30	< .30	< .30	< .30	< .30	< .30	< .30	< .30	< .30	< .30	< .30	< .30	< .30	< .30
Mar01 99	< .30	< .30	< .30	< .30		< .30	< .30	< .30	< .30	< .30	< .30		< .30	< .30	< .30	< .30	< .30	< .30	< .30
Mar02 99												< .30							
Mar13 99	< .30	< .30	< .30	< .30		< .30	< .30	< .30	< .30	< .30	< .30	< .30	< .30	< .30	< .30	< .30	< .30		< .30
Mar16 99																		< .30	
Mar25 99	< .30	< .30	< .30	< .30		< .30	< .30	< .30	< .30	< .30	< .30	< .30	< .30	< .30	< .30	< .30	< .30	< .30	< .30
Apr06 99	< .30	< .30	< .30	< .30		< .30	< .30	< .30	< .30	< .30	< .30		< .30	< .30	< .30		< .30	< .30	< .30
Apr07 99												< .30							
Apr18 99	< .30	< .30	< .30	< .30		< .30	< .30	< .30	< .30	< .30	< .30	< .30	< .30	< .30	< .30	< .30	< .30	< .30	< .30
Apr30 99	< .30	< .30	< .30	< .30		< .30	< .30	< .30	< .30	< .30	< .30	< .30	< .30	< .30	< .30	< .30	< .30	< .30	< .30
May01 99															< .30				
May12 99	< .30	< .30				< .30	< .30	< .30	< .30	< .30	< .30	< .30	< .30	< .30	< .30	< .30	< .30	< .30	< .30
May24 99		< .30	< .30	< .30		< .30	< .30	< .30	< .30	< .30	< .30	< .30	< .30	< .30	< .30	< .30	< .30	< .30	< .30
May25 99	< .30																< .30		
Jun05 99		< .30	< .30				< .30	< .30		< .30	< .30	< .30	< .30		< .30	< .30	< .30	< .30	< .30
Jun17 99		< .30	< .30				< .30	< .30		< .30	< .30	< .30	< .30		< .30	< .30	< .30	< .30	< .30
Jun29 99		< .30	< .30				< .30	< .30		< .30	< .30	< .30	< .30		< .30	< .30	< .30	< .30	< .30
Jul 11 99		< .30	< .30				< .30	< .30		< .30	< .30	< .30	< .30		< .30	< .30	< .30	< .30	< .30
Jul 23 99		< .30					< .30	< .30		< .30	< .30		< .30		< .30	< .30	< .30	< .30	< .30
Jul 24 99												< .30							
Aug04 99		< .30	< .30				< .30	< .30		< .30	< .30	< .30	< .30		< .30	< .30	< .30	< .30	< .30
Aug16 99		< .30	< .30				< .30	< .30		< .30	< .30	< .30	< .30		< .30	< .30	< .30	< .30	< .30
Aug26 99																			< .30
Aug28 99		< .30	< .30				< .30	< .30		< .30	< .30	< .30	< .30		< .30	< .30	< .30	< .30	< .30
Sep09 99		< .30					< .30	< .30		< .30	< .30	< .30	< .30			< .30	< .30	< .30	< .30
Sep21 99		< .30					< .30	< .30		< .30	< .30	< .30	< .30		< .30	< .30	< .30	< .30	< .30
Oct03 99		< .30					< .30	< .30		< .30	< .30	< .30	< .30	< .30	< .30	< .30	< .30	< .30	< .30
Oct15 99		< .30	< .30				< .30	< .30		< .30	< .30	< .30	< .30	< .30	< .30	< .30	< .30	< .30	< .30
Oct20 99																			< .30
Oct27 99		< .30	< .30	< .30		< .30	< .30	< .30		< .30	< .30	< .30	< .30		< .30	< .30	< .30	< .30	< .30
Nov08 99		< .30		< .30		< .30		< .30		< .30	< .30	< .30	< .30		< .30	< .30		< .30	< .30
Nov10 99							< .30												
Nov20 99		< .30		< .30		< .30	< .30	< .30		< .30	< .30	< .30	< .30		< .30	< .30	< .30	< .30	< .30
Dec02 99		< .30		< .30		< .30	< .30	< .30		< .30	< .30	< .30	< .30		< .30	< .30	< .03	< .30	< .30
Dec14 99		< .30	< .30			< .30	< .30	< .30		< .30	< .30	< .30	< .30		< .30	< .30	< .30	< .30	< .30
Dec26 99		< .30	< .30	< .30		< .30	< .30	< .30		< .30	< .30	< .30	< .30		< .30	< .30	< .30	< .30	< .30
Dec28 99										< .30									
# OBS	12	30	22	17		18	30	28	12	30	30	30	30	13	29	29	27	30	27
#<LOD	12	30	22	17		18	30	28	12	30	30	30	30	13	29	29	27	30	27
Max	< .30	< .30	< .30	< .30		< .30	< .30	< .30	< .30	< .30	< .30	< .30	< .30	< .30	< .30	< .30	< .30	< .30	< .30
Min	< .30	< .30	< .30	< .30		< .30	< .30	< .30	< .30	< .30	< .30	< .30	< .30	< .30	< .30	< .30	< .03	< .30	< .30
mean*	< .30	< .30	< .30	< .30		< .30	< .30	< .30	< .30	< .30	< .30	< .30	< .30	< .30	< .30	< .30	< .29	< .30	< .30
sdev*																			

\* includes Obs < LOD as 1/2 LOD

**BAY AREA AIR QUALITY MANAGEMENT DISTRICT  
TOXIC AIR CONTAMINANTS  
1999 ANNUAL REPORT  
DECEMBER 2000**

Ambient Air Toxics Data - Carbon tetrachloride (ppb)  
Date Range: Jan 01, 1999 - Dec 31, 1999

Months	1014	1017	1018	1022	2017	2018	2019	2021	2030	3005	3007	4001	5011	5011	6004	7009	7013	8004	9004
Jan01 99				.11															
Jan12 99	.09	.09	.11			.10	.10	.10	.10	.10	.12	.12	.10	.10	.10	.10	.10	.10	
Jan13 99				.08															
Jan24 99	.08	.09	.11	.09		.08	.10	.09	.10	.09	.10	.09	.10	.10	.10	.10	.09	.10	
Feb05 99	.09	.10	.11	.11		.09	.10	.13	.11	.09	.12	.10	.12	.10	.10	.10	.10	.09	.10
Feb17 99	.09	.11	.11	.10		.10	.11	.10	.11	.09	.11	.11	.10	.10	.10	.10	.09	.10	.09
Mar01 99	.09	.09	.12	.11		.13	.10	.13	.11	.09	.11		.11	.11	.10	.09	.09	.10	.10
Mar02 99												.09							
Mar13 99	.11	.11	.11	.09		.10	.10	.13	.11	.11	.12	.11	.10	.11	.10	.10	.09		.12
Mar16 99																		.10	
Mar25 99	.10	.10	.10	.10		.10	.10	.11	.10	.10	.11	.10	.10	.10	.10	.10	.09	.10	.10
Apr06 99	.10	.11	.11	.08		.13	.11	.10	.10	.09	.11		.11	.12	.10		.09	.12	.10
Apr07 99												.09							
Apr18 99	.09	.11	.10	.10		.09	.10	.10	.10	.10	.10	.09	.09	.10	.10	.10	.10	.09	.10
Apr30 99	.10	.10	.11	.10		.09	.10	.11	.12	.10	.11	.10	.11	.10		.10	.09	.10	.10
May01 99															.10				
May12 99	.09	.09				.10	.09	.12	.10	.09	.11	.09	.10	.09	.10	.09	.10	.09	.09
May24 99		.12	.11	.09		.10	.10	.12	.12	.09	.12	.09	.09	.09	.09	.11		.10	.11
May25 99	.10																.09		
Jun05 99		.12	.11				.11	.11		.11	.11	.10	.11		.10	.11	.11	.10	.11
Jun17 99		.10	.12				.12	.11		.09	.11	.10	.10		.10	.09	.10	.10	.09
Jun29 99		.11	.10				.09	.11		.09	.12	.11	.11		.10	.10	.09	.10	.10
Jul 11 99		.11	.10				.10	.14		.09	.13	.11	.12		.12	.10		.11	.12
Jul 23 99		.10					.11	.14		.09	.12		.11		.10	.12	.10	.10	.10
Jul 24 99												.11							
Aug04 99		.10	.10				.11	.14		.09	.12	.10	.11		.10	.09	.11	.10	.10
Aug16 99		.11	.10				.11	.13		.11	.12	.10	.10		.10	.09	.10	.10	
Aug26 99																			.12
Aug28 99		.10	.10				.12	.15		.10	.12	.11	.11		.10	.10	.09	.10	.09
Sep09 99		.09					.12	.15		.10	.12	.11	.11			.10	.10	.10	.10
Sep21 99		.11					.11			.10	.12	.11	.09		.10	.11		.10	.11
Oct03 99		.10					.11			.10	.10	.09	.10	.10	.11	.10	.09	.10	
Oct15 99		.14	.11				.11	.11		.10	.13	.11	.11		.10	.10	.12		.10
Oct20 99																			.10
Oct27 99		.12	.09	.09		.09	.10	.10		.09	.09	.09	.10		.10	.11	.10	.10	.10
Nov08 99		.12		.11		.11		.11		.10	.10	.09	.11		.12	.11		.10	.11
Nov10 99							.12												
Nov20 99		.10		.10		.12	.12	.11		.10	.10	.10	.10		.10	.09	.11	.11	.09
Dec02 99		.09		.10		.12	.12	.11		.11	.09	.11	.11		.09	.10	.11	.10	.09
Dec14 99		.11	.12			.11	.11	.11		.11	.11	.11	.10		.10	.12	.10	.11	.10
Dec26 99		.11	.11	.09		.11	.12	.11			.11	.11	.10		.09	.09	.11	.09	.09
Dec28 99									.10										
# OBS	12	30	22	17		18	30	28	12	30	30	30	30	13	29	29	27	30	27
#<LOD	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0
Max	.11	.14	.12	.11		.13	.12	.15	.12	.11	.13	.12	.12	.12	.12	.12	.12	.12	.12
Min	.08	.09	.09	.08		.08	.09	.09	.10	.09	.09	.09	.09	.09	.09	.09	.09	.09	.09
mean*	.09	.11	.11	.10		.10	.11	.12	.11	.10	.11	.10	.10	.10	.10	.10	.10	.10	.10
sdev*	.01	.01	.01	.01		.01	.01	.02	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01

\* includes Obs < LOD as 1/2 LOD

**BAY AREA AIR QUALITY MANAGEMENT DISTRICT  
TOXIC AIR CONTAMINANTS  
1999 ANNUAL REPORT  
DECEMBER 2000**

Ambient Air Toxics Data - Methyl tertiary-butyl ether (ppb)  
Date Range: Jan 01, 1999 - Dec 31, 1999

Months	1014	1017	1018	1022	2017	2018	2019	2021	2030	3005	3007	4001	5011	5011	6004	7009	7013	8004	9004
Jan01 99				.60															
Jan12 99	.90	2.00	.90			1.50	1.30	1.10	.70	.80	< .50	2.90	1.50	1.70	3.10	2.90	1.30	.70	
Jan13 99				.90															
Jan24 99	.60	1.20	< .50	< .50		.50	< .50	< .50	< .50	< .50	< .50	< .50	.50	.60	1.10	1.50	1.40	1.40	
Feb05 99	1.60	2.20	< .50	.70		.90	1.30	.80	.70	.60	< .50	1.70	1.80	1.50	2.20	1.90	1.50	1.40	.50
Feb17 99	.90	2.30	.80	.90		.50	.80	< .50	.80	< .50	< .50	1.50	1.30	1.30	1.30	1.00	< .50	.70	.50
Mar01 99	< .50	.80	.50	.70		.50	< .50	< .50	.80	< .50	< .50		1.40	1.30	.80	.50	1.60	1.40	< .50
Mar02 99												.80							
Mar13 99	1.30	1.20	.60	.50		1.00	1.40	.70	1.10	.60	< .50	1.00	1.00	1.10	.80	1.40	< .50		.60
Mar16 99																			.50
Mar25 99	.90	.60	< .50	.70		.50	< .50	< .50	< .50	< .50	< .50	.70	.90	.90	.60	.70	.50	.60	< .50
Apr06 99	.80	.70	.50	< .50		.60	.50	< .50	< .50	< .50	.80		.60	.70	.60		.50	.50	.50
Apr07 99												.80							
Apr18 99	1.40	1.30	1.10	.60		< .50	< .50	.80	< .50	< .50	< .50	1.00	.60	.50	1.30	.60	.80	.50	< .50
Apr30 99	1.40	.80	.80	.80		.60	1.00	< .50	.50	.70	< .50	1.40	1.00	1.10		.90	.70	.90	1.00
May01 99															1.30				
May12 99	.50	< .50				.50	< .50	< .50	.50	< .50	< .50	.80	1.10	1.20	.90	.60	.70	.50	< .50
May24 99		.50	.60	< .50		< .50	< .50	< .50	< .50	< .50	< .50	< .50	.50	.50	.50	.70		< .50	< .50
May25 99	1.10																	< .50	
Jun05 99		.50	.60				< .50	.50		< .50	< .50	< .50	.60		.50	.70	.50	< .50	< .50
Jun17 99		.60	.60				.70	< .50		< .50	< .50	.50	1.00		.70	.80	.50	.80	.50
Jun29 99		2.30	.50				1.00	.60		.60	< .50	1.30	1.70		1.20	1.70	1.10	1.00	1.00
Jul 11 99		1.70	< .50				.50	.90		1.20	< .50	1.40	1.70		1.20	1.70		.80	1.10
Jul 23 99		.50					< .50	< .50		.50	< .50		1.00		.60	1.00	< .50	< .50	< .50
Jul 24 99												< .50							
Aug04 99		.80	< .50				.60	.50		< .50	< .50	.50	.80		.70	.70	.70	.70	.60
Aug16 99		1.40	.50				< .50	1.00		.80	< .50	.80	.80		1.60	1.30	.80	.60	
Aug26 99																			2.00
Aug28 99		.80	.60				.70	.60		.60	< .50	1.60	1.40		.60	1.00	.90	.90	.50
Sep09 99		.80					< .50	.50		.60	< .50	.70	.80			1.00	1.00	.80	.50
Sep21 99		1.80					.70			.80	< .50	1.30	1.10		1.20	3.10		1.00	.60
Oct03 99		.60					.70			< .50	< .50	.80	.60	1.00	.80	.80	.50	.50	
Oct15 99		2.60	1.00				1.30	< .50		1.80	< .50	3.00	3.40		3.20	3.90	1.70		1.80
Oct20 99																			5.90
Oct27 99		1.60	.90	.90		.50	.50	.50		1.00	< .50	1.10	1.00		1.00	1.40	.90	.70	.60
Nov08 99		1.30		.60		.50		.50		.90	< .50	1.20	1.80		1.40	1.30		1.10	.80
Nov10 99							.70												
Nov20 99		1.70		1.10		.50	< .50	< .50		1.90	.50	1.70	1.20		2.90	1.30	.90	2.10	.50
Dec02 99		2.50		.50		1.20	< .50	.50		1.10	< .50	1.90	1.30		1.30	2.10	1.40	2.80	.80
Dec14 99		3.60	1.00			1.10	1.00	.60		1.20	< .50	2.30	2.50		2.50	2.90	1.60	6.40	1.10
Dec26 99		3.00	.70	< .50		1.60	1.30	1.30			.70	2.50	2.20		3.60	4.90	2.00	4.50	1.90
Dec28 99										2.00									

# OBS	12	30	22	17		18	30	28	12	30	30	30	30	13	29	29	27	30	27
#<LOD	1	1	5	4		2	12	12	5	12	27	4	0	0	0	0	4	3	7
Max	1.60	3.60	1.10	1.10		1.60	1.40	1.30	1.10	2.00	.80	3.00	3.40	1.70	3.60	4.90	2.00	6.40	2.00
Min	< .50	< .50	< .50	< .50		.50	< .50	< .50	< .50	< .50	< .50	< .50	.50	.50	.50	< .50	< .50	.50	.50
mean*	.97	1.40	.61	.62		.72	.63	.51	.53	.69	.29	1.21	1.24	1.03	1.36	1.53	.91	1.35	.71
sdev*	.41	.85	.27	.26		.40	.40	.30	.29	.51	.13	.75	.65	.38	.89	1.07	.50	1.56	.50

\* includes Obs < LOD as 1/2 LOD