

APPENDIX C-3

AIR MONITORING PROGRAMS



**BAY AREA AIR QUALITY MANAGEMENT DISTRICT
TOXIC AIR CONTAMINANTS
2002 ANNUAL REPORT
JUNE 2004**

AIR MONITORING PROGRAMS

Pollutant	Sample Medium	Agency	Analysis	Frequency	Site	Collocated Site
PM10	Quartz Fiber Filter	BAAQMD	Mass	Every 6th day	Bethel Island Concord Fremont Livermore Napa Pittsburg Redwood City San Francisco - Arkansas St. San Jose - Jackson St. San Jose - Tully Rd. San Pablo San Rafael Santa Rosa Vallejo	None
PM10	Quartz Fiber Filter	BAAQMD	Chemicals: Sulfate Nitrate Chloride Ammonium Potassium	Every 6th day	Bethel Island Concord Fremont Livermore Napa Pittsburg Redwood City San Francisco - Arkansas St. San Jose - Jackson St. San Jose - Tully Rd. San Pablo San Rafael Santa Rosa Vallejo	None
PM10	Quartz Fiber Filter	CARB	PAH	Every 6th day	Fremont San Francisco - Arkansas St. San Jose - Jackson St.	None

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Pollutant	Sample Medium	Agency	Analysis	Frequency	Site	Collocated Site
Toxics	Canister	CARB	Chemicals: Benzene 1,3-Butadiene Carbon tetrachloride Chloroform meta-Dichlorobenzene ortho-Dichlorobenzene para-Dichlorobenzene Ethyl benzene Ethylene dibromide Ethylene dichloride Methyl chloroform Methylene Chloride Perchloroethylene Styrene Toluene Trichloroethylene meta/para-Xylene ortho-Xylene	Every 12th day	Fremont San Francisco - Arkansas St. San Jose - Jackson St.	None
Toxics	Canister	BAAQMD	Chemicals: Acetone Benzene 1,3-Butadiene Carbon tetrachloride Chloroform Dichloromethane Ethylbenzene Ethylene dibromide Ethylene Dichloride Methyl ethyl ketone Methyl tertiary-butyl ether Perchloroethylene Toluene 1,1,1-Trichloroethane Trichloroethylene Trichlorofluoromethane 1,1,2-Trichlorotrifluoroethane Vinyl chloride meta/para-Xylene ortho-Xylene	Every 12th day	Bethel Island Concord Crockett Ft. Cronkhite Livermore Martinez Napa Oakland – Filbert St. Pittsburg Redwood City Richmond – 7th St. San Francisco - Arkansas St. San Jose - Jackson St. San Leandro San Pablo San Rafael Santa Rosa Sunnyvale Vallejo	San Francisco - Arkansas St.

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Total Metals (TSP Lo-Vol)	Teflon Filter	CARB	Chemicals: Aluminum Barium Bromine Chromium (total) Copper Lead Manganese Nickel Zinc	Every 12th day	Fremont San Francisco - Arkansas St. San Jose - Jackson St.	None
Total Metals (TSP Lo-Vol)	Cellulose Filter	CARB	Chromium VI	Every 12th day	Fremont San Francisco - Arkansas St. San Jose - Jackson St.	None
Carbonyls	Solid Adsorbent Cartridge	CARB	Acetaldehyde Formaldehyde Methyl Ethyl Ketone	Every 12th day	Fremont San Francisco - Arkansas St. San Jose - Jackson St.	None
PM2.5	Teflon Filter	BAAQMD	Mass	Every 6th day (summer) & Every day (winter)	Concord San Francisco - Arkansas St. San Jose - Jackson St. San Jose – Tully Rd.	Livermore Oakland-Filbert St. Redwood City San Francisco-Arkansas St., San Jose – Jackson St. Vallejo (All 6 stations with Met One BAM)
PM2.5	Teflon Filter	BAAQMD	Mass	Every 6th day (summer) & Every 3rd day (winter)	Fremont Livermore Redwood City Santa Rosa Vallejo	
PM2.5	Teflon Filter	BAAQMD	Mass	Every 6th day		Concord

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Pollutant	Sample Medium	Agency	Analysis	Frequency	Site	Collocated Site
PM2.5	Teflon Filter	EPA	Mass Carbon: Total, Organic, Elemental, Carbonate Cations: Ammonium, Sodium, Potassium Anions: Nitrate, Sulfate	Every 3rd day	San Jose – Jackson St.	None
Dioxins	Polyurethane Foam Plug Quartz Fiber Filter	CARB	Polychlorinated dibenzo-p- dioxins Polychlorinated dibenzofurans Dioxin-like polychlorinated biphenyls	20-24 days every 28-day period	Livermore Richmond - 7 th St. San Jose - Jackson St.	None
Dioxins	Polyurethane Foam Plug Quartz Fiber Filter	EPA	Polychlorinated dibenzo-p- dioxins Polychlorinated dibenzofurans Dioxin-like polychlorinated biphenyls	24 days every 28-day period, four times/year	Fort Cronkhite San Francisco - Arkansas St.	None