

## **APPENDIX A**

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### **PROGRESS IN IMPLEMENTING THE 1997/1999 SIP**

### Progress in implementing the 1997/1999 SIPs

The following information is modified from the 2003 AQMP – Chapter 1. Progress in implementing the 1997/1999 SIPs can be measured by the number of control measures that have been adopted as rules and the resulting tons of pollutants targeted for reduction. Emission reduction commitments and reductions achieved in 2010 are based on the emissions inventory from the 1997 SIP. Since 2000, thirteen VOC control measures or rules have been adopted or amended by the District through October 2002. Table A-1 lists the District's 1997/1999 SIP commitment and the control measures or rules that were adopted through October 2002. The primary focus of the District's efforts had been the adoption and implementation of VOC control measures. These VOC reductions are expected to result in concurrent air toxic emission reductions.

Table A-2 lists the control measures committed to in the 1997/1999 SIPs that have been adopted by the U.S. EPA or CARB since the 2000 ATCP. These measures are designed to reduce diesel PM emissions as well as gasoline-related emissions.

**TABLE A-1**  
**Rules and Regulations Adopted by AQMD Since Adoption of the 1997/1999 SIPs**  
**(January 2000 through October 2002<sup>a</sup>)**

<b>Control Measure (Rule)</b>	<b>Title</b>	<b>SIP Commitment (tons/day)</b>	<b>Emission Reductions Achieved Through Rule Implementation (tons/day)</b>	<b>Adoption Date</b>
WST-04 (Rule 1150.1)	Disposal of VOC-Containing Materials (VOC)	0.8	0.8	2000
PRC-03(P2) (Rule 1138)	Restaurant Operations (VOC)	0.9	b	b
CTS-020 (Rule 442)	Solvent Usage (VOC)	1.0	1.9	2000
CTS-02E (Rule 1168)	Adhesives (VOC)	1.3	8.3	2000
RFL-02(P2) (Rule 461)	Gasoline Service Stations (VOC)	2.0	6.2	2000
CTS-09(P1) (Rule 1132)	Large Coating & Solvent Sources – High Emitting Spray Booth Facilities (VOC)	4.0	5.4	2000

**TABLE A-1 (cont.)**  
**Rules and Regulations Adopted by AQMD Since Adoption of the 1997/1999 SIPs**  
**(January 2000 through October 2002<sup>a</sup>)**

<b>Control Measure (Rule)</b>	<b>Title</b>	<b>SIP Commitment (tons/day)</b>	<b>Emission Reductions Achieved Through Rule Implementation (tons/day)</b>	<b>Adoption Date</b>
FUG-06 (Rule 1189)	Hydrogen Plants (VOC)	0.8	1.6	2000
FUG-05(P1) (Rule 1178)	Large Fugitive Emissions Sources (VOC)	1.0	1.7	2001
PRC-06 (Rule 1131)	Industrial Processes - Food Flavoring (VOC)	3.0	3.0	2001
CTS-08(P1) (Rule 1130)	Industrial Coatings and Solvents (VOC)	2.0	1.9	2002
CTS-08(P2) (Rule 1122)	Solvent Degreasing (VOC)	3.0	6.2	2001
CTS-09(P2) (Rule 1162)	Polyester Resins (VOC)	3.0	1.6	2002
Rule 1102	Dry Cleaners Using Solvent Other than Perchloroethylene (VOC)	N/A	0.3	2000
<b>Total VOC</b>		<b>22.8</b>	<b>39.0</b>	

<sup>a</sup> SCAQMD summer planning emission in 2010 (rounded to the nearest whole number), based on 1997 SIP inventory.

<sup>b</sup> Board approved infeasibility findings in October 2000 and used excess reductions from RFL-02(P2) to meet the SIP commitment.

**TABLE A-2**  
**State and Federal Measures Adopted Since the 2000 ATCP**

Near-Term Measures	Agency	Adopted	ROG <sup>1</sup> (tpd)		NOx (tpd)	
			Commitment	Achieved in 2010	Commitment	Achieved in 2010
M9: CA heavy-duty off-road diesel engine standards	CARB	2000	4	4	47	18
M12: National large off-road gas/LPG engine stds	USEPA	2002		14		5
M15: Aircraft standards	USEPA	No	3	0	6	0
Clean fuels measures	CARB	Multiple		13		12
Marine pleasurecraft (beyond M16)	CARB	2001		7		0
Urban transit buses	CARB	2000		0		1
Enhanced vapor recovery program <sup>2</sup>	CARB	2000		6		0
Medium/heavy-duty gasoline standards (beyond M8)	CARB	2000		0		1
2007 heavy-duty diesel truck standards (beyond M5/M6)	CARB/USEPA	2001		1		16

2010 summer planning based on 1997 AQMP inventory.

<sup>1</sup> ROG is reactive organic gas.

<sup>2</sup> CARB's rule complements District Rule 461. An overall reduction of 6 tons per day of VOC reductions from this category is included in the AQMP baseline.

## **APPENDIX B**

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**SUMMARY OF OTHER CARB MEASURES ADOPTED WHICH REDUCE AIR TOXICS  
(INPUT FROM CARB STAFF)**

**TABLE B-1**  
**Summary of Other CARB Measures Adopted Which Reduce Air Toxics**

Measure	Description
Passenger Vehicles	<p>California has regulated passenger vehicles since the late 1960's, reducing emissions by 98 percent from uncontrolled levels. The Low Emission Vehicle (LEV) and Clean Fuels regulations were first adopted in 1990. The second phase of the Low Emission Vehicle program (LEV II) was adopted in 1998, and begins implementation in 2004. EPA has adopted the Tier 2 program that substantially reduces emissions of federally certified vehicles. While not as stringent as LEV II, Tier 2 will assure that federal vehicles traveling through California or moving to the State will not significantly impact air quality.</p> <p>The LEV regulations require the phased-in sale of increasingly cleaner vehicles. One of the principal goals of the LEV II program is to ensure that the increasing popular sport utility vehicles and pickup trucks that are being used primarily for personal transportation be required to meet the same emission requirements as passenger cars.</p> <p>California also operates a vehicle inspection program designed to ensure that in-use passenger vehicles maintain low emissions. The Smog Check program requires vehicles between 6 and 30 years of age to undergo biennial emission testing, including a visual examination of the evaporative emission controls. In the most polluted areas of the state, vehicles are tested using a dynamometer which allows testing of more pollutants. As part of the 2003 SIP, CARB is evaluating additional ways to reduce emissions from in-use passenger vehicles.</p> <p>These regulations reduce emissions of benzene, 1,3-butadiene, formaldehyde, and acetaldehyde. Diesel PM is indirectly reduced through the LEV II program via the elimination of the TLEV standards after the 2003 model year, which lowers the standards for diesel-fueled passenger vehicles, should they be introduced into the California market. Estimated emission reductions from LEV II in 2010 are about 20 percent of benzene and 1,3-butadiene statewide.</p>
Reformulated Diesel	<p>In 1988, CARB adopted regulations governing diesel fuel quality. The regulations limit the sulfur and aromatic hydrocarbon content of diesel fuels to reduce emissions of sulfur dioxide, PM and NO<sub>x</sub>. In 1989, EPA adopted nationwide regulations that limited the sulfur content of diesel fuels to the California levels. Both the California and national limits were implemented on October 1, 1993. Since the introduction of cleaner diesel fuel, emissions from diesel vehicles have been reduced by 82 percent for sulfur dioxide, 25 percent for PM, and 7 percent for NO<sub>x</sub>. Emissions of toxic substances, including benzene, have also been reduced.</p>

Measure	Description
Low Sulfur Diesel	The CARB approved amendments to California's diesel fuel regulations in July 2003. This second round of specifications for cleaner diesel fuel are designed to enable control technologies to further reduce emissions from existing, long-lived diesel engines and to facilitate compliance with tighter state and national standards for new heavy-duty diesel engines used in trucks, buses, and off-road equipment. Diesel fuel sulfur levels will be lowered to 15 parts per million, to be consistent with federal regulations. These amendments will provide significant reductions in both criteria and toxic pollutants and both the state and federal regulations are required to be implemented by June 2006.
Reformulated Gasoline Phase 2	To reduce emissions from motor vehicles and their fuels, the CARB adopted a reformulated gasoline (RFG) program to substantially reduce emissions from existing vehicles. California Phase 1 reformulated gasoline (RFG) was implemented in 1992. Phase 1 RFG lowered Reid Vapor Pressure to 7.8 psi, removed lead, and required deposit control additives. California Phase 2 RFG limits eight gasoline properties and was introduced in 1996. Phase 2 RFG is referred to as "cleaner-burning gasoline." Cleaner burning gasoline reduced ozone precursor emissions from motor vehicles by 300 tons per day and is equivalent to removing 3.5 million vehicles from California roads. Potency weighted toxic emissions (primarily benzene and 1,3 butadiene) were reduced by 40%.
Reformulated Gasoline Phase 3	<p>The CARB adopted "Phase 3" improvements to California's RFG gasoline program to further reduce emissions and to provide additional flexibility in lowering or removing the oxygen content. The key objectives of the Phase 3 gasoline are:</p> <ul style="list-style-type: none"> <li>• remove MTBE from California gasoline</li> <li>• maintain the significant emission benefits obtained from the current Phase 2 program</li> <li>• reduce sulfur and benzene limits</li> <li>• provide additional flexibility to California refiners to facilitate removal of MTBE</li> <li>• identify additional opportunities for further emission reductions that are cost-effective</li> <li>• be sensitive to the increasing need to import gasoline to meet the increasing demand for gasoline in California</li> <li>• provide flexibility where possible, without sacrificing emission benefits, to facilitate the expected significant use of ethanol in California gasoline</li> <li>• Potency weighted toxic emissions were further reduced by 4% from the Phase 2 Cleaner Burning Gasoline levels.</li> </ul>

Measure	Description
Consumer Products	<p>The Consumer Products Regulations contain a number of provisions to restrict use of toxics or track usage, such that mitigation measures can be put in place if use of toxics increases.</p> <ul style="list-style-type: none"> <li>– Antiperspirant and Deodorant Regulation: includes a provision that prohibits the use of TACs in products</li> <li>– Consumer Products Regulation: prohibits use of methylene chloride, trichloroethylene, and perchloroethylene in aerosol adhesives. Also includes provisions to track use of methylene chloride and perchloroethylene such that mitigation measures can be put in place if usage increases. When VOC limits are developed, staff ensures that the limits are achievable such that reformulation can be accomplished without the use of TACs.</li> <li>– VOC exemption process for all consumer product regulations: prior to proposing low reactive VOCs for exemption, staff works with the Office of Environmental Health Hazard Assessment to determine if there are any potential adverse health risks associated with use of the compound.</li> </ul>
Heavy-Duty On-Road Compression-Ignition (Diesel) Engines	<p>California first began regulating PM from heavy-duty on-road diesel engines in 1988. Since then, California has gradually made the emission standards more stringent for heavy-duty diesel engines. In 2001, CARB adopted regulations to align California's emission standards with new, more stringent federal emission standards set to take effect in 2007. The diesel PM standards that take effect in 2007 are one-tenth the levels emitted by current diesel truck engines – and 98 percent cleaner than an uncontrolled diesel engine. California has worked closely with EPA to develop a harmonized federal and California program to more effectively control emissions from new heavy-duty trucks.</p> <p>Because trucks and buses may last up to one million miles before their engines are rebuilt or replaced, in-use emissions and their potential to increase over time as a critical issue. California currently has two programs designed to control smoke emissions from existing heavy-duty vehicles and to detect malmaintenance and tampering that can increase emissions or any regulated pollutant. Under the Heavy-Duty Vehicle Inspection Program, heavy-duty diesel trucks and buses are tested for excessive smoke emissions with a hand-held electronic smoke meter. Vehicles with engines that exceed the smoke standards must be repaired; those with especially high smoke must also pay a monetary penalty. The Periodic Smoke Inspection Program complements the Heavy-Duty Vehicles Inspection Program, by requiring California-based truck and bus fleets with two or more heavy-duty diesel vehicles to annually test their own vehicles to measure smoke opacity and check for tampering. California is also pursuing additional methods to ensure that in-use emissions from heavy-duty diesel trucks and buses stay low as part of the 2003 SIP.</p>



Measure	Description
Heavy-Duty On-Road Compression-Ignition (Diesel) Engines (cont.)	<p>These regulations reduce emissions of diesel particulate.</p> <p>A regulation that focuses on one specific segment of the heavy-duty on-road fleet – transit buses – is described below. As CARB implements the diesel risk reduction plan, additional fleet-specific regulations will be evaluated.</p>
Public Transit Bus Fleet Rule and Emission Standards for New Urban Buses	<p>In 2000, CARB adopted a rule requiring additional emission reductions from transit buses. The rule was amended in 2002. The transit bus rule required transit agencies to choose a fuel path, either diesel or alternative fuel, for future purchases and implementation deadlines. The rule also includes: 1) an in-use NO<sub>x</sub> fleet average requirement that will encourage the retirement of the oldest, dirtiest diesel buses (1987 and earlier model year urban buses); 2) a fleet PM emission reduction requirement to reduce public exposure to toxic diesel PM emissions; 3) a low-sulfur diesel fuel requirement; 4) new urban bus emission standards; 5) a zero-emission bus demonstration project; and 6) zero-emission bus purchase requirements. The low emission bus engine standards and fleet rules, together with the zero emission bus purchase requirements, will reduce diesel PM emissions by 180 lbs/day in 2010.</p>
Heavy-Duty Off-Road Compression-Ignition (Diesel) Engines	<p>Heavy-duty off-road diesel engines were regulated beginning in 1996. Because EPA has sole authority over new farm and construction equipment less than 175 horsepower, California has coordinated closely with the federal government to harmonize emission standards for this source category. The standards adopted by EPA in 1998, and by CARB in 2000, reduce NO<sub>x</sub> and PM emissions by more than 60 percent. The 2003 SIP calls for further emission reductions from the in-use fleet. In addition, CARB staff is working closely with EPA on the next phase of new standards for this source category.</p>
Small Off-Road Engines and Equipment	<p>Emission standards for small off-road engines (including lawn and garden equipment, and generator sets), less than 25 horsepower, first took effect in the 1995 model year. CARB adopted more stringent standards in 2003 that will reduce exhaust emissions and, for the first time, regulate evaporative emissions from small off-road engines. These standards phase in beginning in 2005. These regulations reduce emissions of benzene, 1,3-butadiene, formaldehyde, and acetaldehyde.</p>
Large Spark-Ignited Off-Road Equipment	<p>This category includes forklifts, specialty vehicles, portable generators, pumps, and compressors greater than 25 horsepower. This equipment is typically fueled by gasoline or liquefied natural gas. A small number are fueled by compressed natural gas. As with off-road diesel equipment, EPA has sole authority over farm and construction equipment less than 175 horsepower, so CARB has coordinated closely with the federal government to harmonize emission standards. The first standards for large spark-ignited off-road engines took effect in 2001, with more stringent standards phasing in through 2007. EPA recently adopted new standards for 2007. The 2003 SIP calls for CARB to adopt regulations to align with the new federal standards, and to evaluate retrofit controls and new emission standards. These regulations reduce emissions of benzene, 1,3-butadiene, formaldehyde, and acetaldehyde.</p>

Measure	Description
Off-Highway Recreational Vehicles	Increasingly stringent exhaust emission standards for off-highway motorcycles, go-carts, golf carts, and all-terrain vehicles are phased in, beginning with the 1995 model year. EPA recently promulgated nationwide evaporative standards for off-road motorcycles and all-terrain vehicles that will also reduce fuel tank and fuel line permeability. These regulations reduce emissions of benzene, 1,3-butadiene, formaldehyde, and acetaldehyde.
Marine Outboard and Personal Watercraft Engines	Progressively more stringent emission standards are phased in for recreational marine engines through 2008. The first tier, starting in 2001, implements the EPA 2006 standards. Tier 2, to be implemented in 2004, tightens the exhaust emission standards to 80 percent of EPA's 2006 standards. Tier 3, to be implemented in 2008, tightens the standard to 35 percent of EPA's 2006 standard. These regulations reduce emissions of benzene, 1,3-butadiene, formaldehyde, and acetaldehyde.
On-Road Motorcycles	Emission standards for on-road motorcycles were first adopted in 1975 and implemented in 1978. These standards regulated hydrocarbons and carbon monoxide for all motorcycle engines 50 cubic centimeters (cc) and greater. The CARB amended these regulations in 1984, allowing emission standards to be met on a "corporate average" basis, while tightening the emission standards. In 1998, CARB adopted a new set of standards that apply to 280 cc and larger motorcycles beginning in the 2004 model year. Further reductions will be required in the 2008 model year. Current California law prohibits any modifications which would increase emissions in post-1978 motorcycles. These regulations reduce emissions of benzene, 1,3-butadiene, formaldehyde, and acetaldehyde.
Portable Fuel Containers	The portable fuel container regulations are an important component of CARB's efforts to improve air quality in California. Portable fuel containers (gas cans, utility jugs, etc.) are used to fill equipment such as vehicles, lawn mowers and watercraft. Because of their large numbers, these containers create a substantial amount of hydrocarbon emissions through spillage and permeation losses – nearly 87 tons per day in California. In 1999, CARB adopted regulations to ensure that spillage and permeation losses from portable fuel containers are minimized or eliminated. These regulations are expected to reduce emissions from portable fuel containers by almost 80 percent when fully implemented in 2007.

### Other State Programs

Except for the Solid Waste Collection Vehicle Regulation program, all of the following programs were characterized in the March 2000 ATCP as ongoing efforts. The Solid Waste Collection Vehicle Regulation, was adopted in 2003.

### Risk Management for Diesel Particulates

CARB identified particulate matter emitted from diesel engines (diesel PM) as a TAC in August 1998. Concurrently, CARB also initiated the risk management process for diesel particulates. In the first part of the risk management process, CARB staff, in consultation with local air districts, affected industries, and

the public, evaluated the need for further regulatory action to protect the public from exposure to diesel particulates. In September 2000, CARB adopted the *Risk Reduction Plan to Reduce Particulate Matter Emissions from Diesel-Fueled Engines and Vehicles*, an overall plan for developing and adopting cost effective measures to reduce public exposure to diesel PM. The goal of the Plan is to reduce diesel PM emissions by 75% in 2010. Each of the measures will be developed through a full public process that includes workshops, meetings with stakeholders, and hearings.

CARB has adopted several ATCMs to reduce diesel PM and many more are currently under development. A description of the control measures adopted since the 2000 ATCP is given in Table 3 of the report text. A list of the measures under development is provided in Table 10 of the report text. The adopted measures address a variety of both stationary and mobile sources, including school buses, garbage waste collection vehicles, stationary engines, and transport refrigeration units. As part of its mobile source strategy, CARB will also pursue reductions in diesel PM emissions from new and existing mobile sources such as diesel trucks, construction and industrial equipment, and other off-road engines.

### **Continued Development and Implementation of Airborne Toxics Control Measures**

In 1983, the California Legislature adopted the Toxic Air Contaminant Identification and Control Act (AB 1807, Tanner), which established a two-step process of risk identification and risk management to protect Californians from the health effects of toxic substances in the air. The first step is the identification of a TAC. In the risk identification phase, staff of CARB and California's Office of Environmental Health Hazard Assessment (OEHHA) assesses the potential for human exposure to a suspect air contaminant (from a prioritized list of substances) and evaluates the potential health effects of exposure to the contaminant. The staff's evaluation is subject to the Scientific Review Panel (SRP) approval of the report. The SRP develops specific scientific findings that are officially submitted to CARB. CARB uses this information to determine whether to identify a substance as a TAC.

Once a substance is identified as a TAC, CARB determines if regulatory action is needed to reduce the risk associated with that substance through a risk management evaluation. In this evaluation, CARB investigates the need, feasibility, and cost of reducing emissions of that substance. If controls are feasible and needed, CARB adopts Airborne Toxic Control Measures (ATCMs) and local Districts implement and enforce the ATCM or adopt an equivalent or more restrictive measure to reduce emissions of the TAC. ATCMs adopted after the 2000 ATCP by CARB are listed in Table 3 of the report text. AQMD adopts rules to implement these state ATCMs. Several ATCMs are under development for diesel PM as mentioned above. Additional ATCMs under development, or being considered for possible revision, would further reduce emissions of toxic metals, formaldehyde, and perchloroethylene. This appendix provides a list of additional adopted measures which have or will reduce air toxics.

### **Control of Toxic Air Contaminant Emissions from Consumer Products**

The 1997 AQMP projected that VOC emissions from consumer products would be reduced approximately 85 percent by the year 2010 using low- and zero-VOC consumer products. Full implementation of this AQMP control measure is expected to reduce TACs as well, since many VOCs contain toxics. Paradichlorobenzene (PDCB), a key toxic compound identified in MATES II, is found in air fresheners, moth repellents, and toilet bowl deodorants. An exemption was provided during the "Phase I" Consumer Products Regulation (1990) for those products that contain at least 98% PDCB. CARB has recently surveyed the makers of toilet bowl deodorants and, as part of the current consumer product rulemaking, is continuing to evaluate the use of PDCB and its possible alternatives.

In addition to reducing the amount of VOCs that are HAPs, consumer product regulations also track the usage of several exempt compounds that are HAPs as well. Special reporting is required for consumer products that contain perchloroethylene or methylene chloride. The responsible party must report these compounds contained in products sold in California during each calendar year, beginning with the year 2000, and ending with the year 2010. With this information, CARB can evaluate the levels of these two compounds in consumer products, compare the results relative to the 1996 levels, and develop mitigation measures to reduce the risk. As an example, CARB adopted an ATCM for automotive consumer products. Under the antiperspirants and deodorants regulation, companies cannot formulate products with identified TACs. Use of methylene chloride, perchloroethylene, and trichloroethylene has been prohibited from use in aerosol adhesives and aerosol coatings.

### **CARB Mobile Source Control Measures**

California has regulated emissions from mobile sources since the 1960's. The CARB has adopted and implemented emission standards for virtually every type of mobile source from passenger cars and sport-utility vehicles to heavy-duty diesel trucks to industrial equipment to recreational boats to lawn mowers and leaf blowers. These programs have significantly reduced toxic air emissions from mobile sources.

The 1994 State Implementation Plan described an ambitious 16-year strategy to dramatically reduce emissions to attain the one-hour ozone standard by the applicable federal deadline. The State and federal portion of the SIP contained 16 measures directed at mobile sources under State and federal control. Since 1994, most of the existing near-term 1994 SIP measures have been adopted by the responsible agency – along with additional controls that had not been identified in 1994.

The 2003 SIP describes CARB's future mobile source control strategy. The SIP lists 13 mobile source control measures (five on-road, eight off-road) to be developed, adopted, and implemented by the State. These measures will reduce both smog-forming and toxic air emissions from passenger vehicles, trucks, construction and industrial equipment, and harbor craft. CARB has already adopted a few of the measures described in the 2003 SIP, including more stringent standards for lawn and garden equipment and solid waste collection vehicles. In addition, because of the need for additional emission reductions to meet the attainment goal, CARB will pursue additional emission reduction strategies beyond those defined in the 2003 SIP. The SIP also outlines EPA's responsibility to reduce emissions from sources under its control – primarily interstate sources such as locomotives, aircraft, and marine vessels.

### **Transit Bus Regulation**

In 2000, CARB adopted a rule requiring additional emission reductions from transit buses. The rule was amended in 2002. The transit bus rule required transit agencies to choose a fuel path, either diesel or alternative fuel, for future purchases and implementation deadlines. The rule also includes: 1) an in-use NO<sub>x</sub> fleet average requirement that will encourage the retirement of the oldest, dirtiest diesel buses (1987 and earlier model year urban buses); 2) a fleet PM emission reduction requirement to reduce public exposure to toxic diesel PM emissions; 3) a low-sulfur diesel fuel requirement; 4) new urban bus emission standards; 5) a zero-emission bus demonstration project; and 6) zero-emission bus purchase requirements. In 2004, CARB will propose an amendment to the fleet rule for transit agencies to reduce diesel PM emissions from buses owned or operated by transit agencies that are not classified as urban buses and are, therefore, not currently regulated.

### **Solid Waste Collection Vehicle Regulation**

In 2003, CARB adopted a regulation to reduce diesel PM emissions from diesel-fueled engines in residential and commercial solid waste collection vehicles. The owners of these collection vehicles must use best available control technology for their engines, which is defined as either an engine alone or in conjunction with a verified diesel emission control strategy, that meets a 0.01 gram per brake horsepower-hour particulate matter standard; an alternative-fuel engine or heavy-duty pilot ignition engine; or application of a CARB-verified diesel emission control strategy to the engine, which reduces diesel PM emissions by the greatest amount possible for that engine and application. The requirement to install best available control technology will be phased-in between 2004 and 2010 by engine model year group.

### **Fuels Program**

CARB's existing fuels programs have reduced diesel PM and 1,3-butadiene emissions by nearly 30%, and benzene emissions by 55%. Overall, the program has reduced the potential cancer risk from vehicles using conventional gasoline by 30 to 40 percent.

## **APPENDIX C**

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**SUMMARY OF OTHER EPA MEASURES WHICH REDUCE AIR TOXICS  
(INPUT FROM EPA STAFF)**

The following EPA information and website designations relates to the quantification and reduction of air toxics:

I. Air Toxics Program: <http://www.epa.gov/ttn/atw> for information and resources pertaining to EPA's air toxics programs.

II. Indoor Air Program: <http://www.epa.gov/iaq>.

III. Mobile Sources: <http://www.epa.gov/otaq/> for EPA's Office of Transportation and Air Quality's efforts and programs, and <http://www.epa.gov/eftpages/airmobilesources.html#subtopics> for mobile source subtopics. EPA has proposed the non-road diesel engines and fuel rule, which was proposed on 5/23/03 and should be finalized by April this year. In addition, EPA is exploring potential additional rulemakings to further reduce air toxics emissions from mobile sources.

IV. MACT rules: <http://www.epa.gov/ttn/atw/eparules.html> for all final and MACT rules and tentative promulgation dates for some 10-yr MACTs. Also, for the five 10-yr MACT proposal rules and tentative promulgation dates see <http://www.epa.gov/ttn/atw/mactprop.html>.

V. Residual Risk Program: <http://www.epa.gov/ttnatw01/residriskpg.html> and <http://www.epa.gov/ttnatw01/rrisk/residriskpg.html>

VI. Community-based Air Toxics Assessment and Reduction Projects: Numerous community-based air toxics assessment and reduction projects are in progress nation-wide. Currently, we have seven such projects underway across all four States in Region IX (AZ, CA, HI, and NV).

VII. National-scale Air Toxics Assessment: The 1996 NATA is available at <http://www.epa.gov/ttn/atw/nata/> and the 1999 NATA is targeted to be released to the public, on the web, in the summer of 2004. This effort includes air toxics emission inventories and air dispersion, exposure, and risk modelings. Compilation of emissions inventories nation-wide is a collaborative effort by local, state, and federal agencies. NATA is one of the technical components (not the only one) to support EPA's overall national air toxics program. EPA plans to perform NATA every three years.

VIII. National Ambient Air Toxics Monitoring Network: A National Air Toxics Trend Stations (NATTS) network, consisting of 7 rural sites and 15 urban sites, will be fully implemented in March 2004. The primary objectives of the monitoring network are to: establish trends and evaluate the effectiveness of HAP reduction strategies at the national level; characterize ambient concentrations (and deposition) in local communities; and provide data to support and evaluate dispersion and deposition models. A draft Air Toxics Monitoring Strategy is available at <http://www.epa.gov/ttn/amtic/airtxfil.html>.

IX. Framework for Cumulative Risk Assessment (May 2003): <http://cfpub.epa.gov/ncea/cfm/recordisplay.cfm?deid=54944>). The Framework provides initial guidance for Agency risk assessors and will serve as the roadmap for future guidance development efforts.

X. Integrated Urban Air Toxics Strategy: <http://www.epa.gov/ttn/atw/riskinit.html> for the Integrated Urban Air Toxics Strategy, Great Water Program, Mercury Initiatives, and Persistent, Bioaccumulative Toxics (PBT) Initiative. These strategy and initiatives are all aimed at reducing air toxics nationwide.

## **APPENDIX D**

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### **UPDATED AIR TOXICS EMISSION INVENTORY**



**Table D-1**  
**1997 Baseline Annual Average Day Emissions for the South Coast Air Basin (pounds/day)**  
**(2003 AQMP Methodology)**

Pollutant	Emissions (lb/day)						Sum Total
	On-Road	Off-Road	Stationary Source			Total	
			Point	AB2588	Area		
Acetaldehyde	4699.7	7261.3	138.2	57.1	559.8	755.2	12716.2
Benzene	22541.0	13180.5	905.1	266.8	1244.2	2416.1	38137.7
Butadiene [1,3]	4587.0	3022.8	504.9	2.0	117.9	624.8	8234.7
Carbon tetrachloride	0.0	0.0	10.7	1.8	0.0	12.5	12.5
Chloroform	0.0	0.0	5.7	35.5	0.0	41.2	41.2
Dichloroethane [1,1]	0.0	0.0	0.0	0.1	16.8	16.9	16.9
Dioxane [1,4]	0.0	0.0	0.0	105.0	1.7	106.7	106.7
Ethylene dibromide	0.0	0.0	0.0	0.2	0.0	0.2	0.2
Ethylene dichloride	0.0	0.0	89.3	17.6	2.8	109.6	109.6
Ethylene oxide	0.0	0.0	2.5	12.3	47.5	62.3	62.3
Formaldehyde	16652.6	20656.3	895.3	674.7	1424.3	2994.3	40303.2
Methyl Ethyl Ketone	709.5	1009.0	2255.4	385.9	13501.7	16143.0	17861.5
Methylene chloride	0.0	0.0	2033.6	1673.6	17525.2	21232.3	21232.3
MTBE	71958.5	22131.0	99.0	434.4	13488.8	14022.2	108111.7
p-Dichlorobenzene	0.0	0.0	114.6	4.5	3969.7	4088.8	4088.8
Perchloroethylene	0.0	0.0	2952.4	2249.1	20675.9	25877.4	25877.4
Propylene oxide	0.0	0.0	0.7	22.3	0.0	23.0	23.0
Styrene	1177.9	513.6	1864.8	3836.7	151.7	5853.2	7544.7
Toluene	58740.9	28727.4	13956.9	3682.4	30458.5	48097.8	135566.1
Trichloroethylene	0.0	0.0	1685.3	58.0	711.4	2454.7	2454.7
Vinyl chloride	0.0	0.0	59.1	4.3	33.0	96.4	96.4
Arsenic	0.2	8.3	16.3	0.7	12.5	29.5	37.9
Cadmium	1.1	2.8	4.6	0.7	7.2	12.5	16.4
Chromium	14.7	13.2	21.7	2.2	59.7	83.6	111.5
Diesel particulate	15762.0	30244.8	0.0	5.4	1557.6	1563.0	47569.8
Elemental carbon	7310.0	9918.9	2018.2	0.0	14296.8	16315.0	33544.0
Hexavalent chromium	0.8	2.3	2.4	1.0	0.1	3.4	6.5
Lead	1.8	9.4	42.0	24.5	157.8	224.3	235.5
Nickel	10.4	6.0	23.9	21.6	22.5	68.0	84.4

**Table D-2**  
**1997 Toxics Emission Inventory for the South Coast Air Basin (Updated Inventory)**  
**Emissions (lb/day)**

Code	Source Category	Acetaldehyde	Benzene	1,3 Butadiene	Carbon tetrachloride	Chloroform	1,1 Dichloroethane	1,4 Dioxane	Ethylene dibromide	Ethylene dichloride	Ethylene oxide	Formaldehyde	Methyl ethyl ketone	Methylene chloride	MTBE	p-Dichlorobenzene
<b>Fuel Combustion</b>																
10	Electric Utilities	3.2	72.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	199.7	0.1	0.0	0.0	0.0
20	Cogeneration	1.5	5.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	41.7	0.0	0.0	0.0	0.0
30	Oil and Gas Production (combustion)	4.7	65.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	154.5	0.8	0.0	0.0	0.0
40	Petroleum Refining (Combustion)	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0
50	Manufacturing and Industrial	137.1	127.8	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	535.9	26.6	0.0	0.7	0.0
52	Food and Agricultural Processing	19.0	14.7	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	58.1	3.8	0.0	0.1	0.0
60	Service and Commercial	36.4	68.2	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	228.8	6.5	0.0	4.7	0.0
99	Other (Fuel Combustion)	0.7	2.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	0.1	0.0	0.5	0.0
	<b>Total</b>	<b>202.7</b>	<b>356.1</b>	<b>7.6</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>1228.2</b>	<b>37.7</b>	<b>0.0</b>	<b>5.9</b>	<b>0.0</b>
<b>Waste Disposal</b>																
110	Sewage Treatment	0.1	0.2	0.0	0.0	3.3	0.0	0.0	0.0	0.0	0.0	0.3	0.0	5.0	0.0	0.5
120	Landfills	0.0	62.3	0.0	0.0	0.0	16.8	0.0	0.0	2.8	0.0	17.3	36.7	87.7	0.0	0.0
130	Incineration	0.0	18.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0
199	Other (Waste Disposal)	0.0	0.1	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	1.5	0.0	0.2
	<b>Total</b>	<b>0.1</b>	<b>81.1</b>	<b>0.0</b>	<b>0.0</b>	<b>4.3</b>	<b>16.8</b>	<b>0.0</b>	<b>0.0</b>	<b>2.8</b>	<b>0.0</b>	<b>18.4</b>	<b>36.7</b>	<b>94.2</b>	<b>0.0</b>	<b>0.7</b>
<b>Cleaning and Surface Coatings</b>																
210	Laundering	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
220	Degreasing	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6842.1	11081.5	0.0	0.0
230	Coatings and Related Processes	0.0	4.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2396.6	84.5	0.0	0.0
240	Printing	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	945.1	0.0	0.0	0.0
250	Adhesives and Sealants	0.0	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2033.7	68.2	0.0	0.0
299	Other (Cleaning and Surface Coatings)	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0
	<b>Total</b>	<b>0.0</b>	<b>8.5</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.4</b>	<b>12217.5</b>	<b>11234.2</b>	<b>0.0</b>	<b>0.0</b>
<b>Petroleum Production and Marketing</b>																
310	Oil and Gas Production	0.1	208.4	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.7	0.1	0.0	0.0	0.1
320	Petroleum Refining	0.0	6.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.8	0.0	0.0	6.9	0.0
330	Petroleum Marketing	0.0	399.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	13574.9	0.0
399	Other (Petroleum Production and Marketing)	0.0	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	<b>Total</b>	<b>0.1</b>	<b>616.4</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.1</b>	<b>0.0</b>	<b>22.6</b>	<b>0.1</b>	<b>0.0</b>	<b>13581.8</b>	<b>0.1</b>
<b>Industrial Processes</b>																
410	Chemical	63.8	379.4	499.6	10.4	1.4	0.0	0.0	0.0	86.5	2.4	44.3	73.1	0.0	0.0	110.4
420	Food and Agriculture	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
430	Mineral Processes	0.0	163.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	89.5	0.0	0.0	0.0	0.0
440	Metal Processes	1.8	10.4	0.9	0.3	0.0	0.0	0.0	0.0	2.4	0.1	2.6	1.8	0.0	0.0	3.1
450	Wood and Paper	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
460	Glass and Related Products	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Code	Source Category	Acetaldehyde	Benzene	1,3 Butadiene	Carbon tetrachloride	Chloroform	1,1 Dichloroethane	1,4 Dioxane	Ethylene dibromide	Ethylene dichloride	Ethylene oxide	Formaldehyde	Methyl ethyl ketone	Methylene chloride	MTBE	p-Dichlorobenzene
470	Electronics	0.1	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.1	0.0	0.0	0.1
499	Other (Industrial Processes)	0.2	2.6	0.1	0.0	0.0	0.0	0.0	0.0	0.2	0.0	1.6	0.2	0.0	0.0	0.3
	<b>Total</b>	<b>65.8</b>	<b>556.4</b>	<b>500.6</b>	<b>10.7</b>	<b>1.4</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>89.2</b>	<b>2.5</b>	<b>138.2</b>	<b>75.2</b>	<b>0.0</b>	<b>0.0</b>	<b>113.9</b>
<b>Solvent Evaporation</b>																
510	Consumer Products	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	47.5	6.5	1998.0	7616.0	0.0	3969.7
520	Architectural Coatings and Related Solvent	10.4	0.0	0.0	0.0	0.0	0.0	1.7	0.0	0.0	0.0	2.1	1391.9	614.2	0.0	0.0
530	Pesticides/Fertilizers	0.0	302.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
540	Asphalt Paving/Roofing	0.0	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	<b>Total</b>	<b>10.4</b>	<b>305.8</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>1.7</b>	<b>0.0</b>	<b>0.0</b>	<b>47.5</b>	<b>8.6</b>	<b>3389.9</b>	<b>8230.3</b>	<b>0.0</b>	<b>3969.7</b>
<b>Miscellaneous Processes</b>																
610	Residential Fuel Combustion	419.1	225.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	903.3	0.0	0.0	0.0	0.0
620	Farming Operations	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
630	Construction and Demolition	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
640	Paved Road Dust	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
645	Unpaved Road Dust	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
650	Fugitive Windblown Dust	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
660	Fires	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
670	Waste Burning and Disposal	0.0	0.0	114.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
680	Utility Equipment	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
690	Cooking	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
699	Other (Miscellaneous Processes)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	<b>Total</b>	<b>419.1</b>	<b>225.0</b>	<b>114.6</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>903.3</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>
<b>On-Road Motor Vehicles</b>																
710	Light Duty Passenger Auto (LDA)	1432.7	11595.1	2297.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6544.6	165.0	0.0	43205.1	0.0
722	Light Duty Trucks 1 (T1)	433.9	3077.5	639.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1936.1	47.6	0.0	9450.3	0.0
723	Light Duty Trucks 2 (T2)	364.8	2818.9	596.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1694.4	40.7	0.0	7961.2	0.0
724	Medium Duty Trucks (T3)	203.0	1553.7	332.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	948.5	22.5	0.0	4048.7	0.0
732	Light Heavy Duty Gas Trucks 1 (T4)	118.1	1035.2	223.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	564.3	18.0	0.0	2966.4	0.0
733	Light Heavy Duty Gas Trucks 2 (T5)	11.5	108.5	23.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60.2	1.3	0.0	232.3	0.0
734	Medium Heavy Duty Gas Trucks (T6)	86.4	678.1	165.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	368.0	17.0	0.0	1623.9	0.0
736	Heavy Heavy Duty Gas Trucks (HHHD)	60.5	490.3	116.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	288.9	9.3	0.0	798.7	0.0
742	Light Heavy Duty Diesel Trucks 1 (T4)	15.0	4.1	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.0	3.0	0.0	0.0	0.0
743	Light Heavy Duty Diesel Trucks 2 (T5)	41.0	11.2	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	82.1	8.2	0.0	0.0	0.0
744	Medium Heavy Duty Diesel Truck (T6)	200.6	54.6	5.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	401.4	40.3	0.0	0.0	0.0
746	Heavy Heavy Duty Diesel Trucks (HHHD)	1478.1	402.2	38.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2957.8	296.9	0.0	0.0	0.0
750	Motorcycles (MCY)	55.9	350.0	70.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	233.8	5.9	0.0	1405.1	0.0
760	Diesel Urban Buses (UB)	129.6	35.3	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	259.3	26.0	0.0	0.0	0.0
762	Gas Urban Buses (UB)	18.2	130.4	28.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	94.9	1.6	0.0	112.4	0.0
770	School Buses (SB)	20.0	30.5	6.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	51.1	3.5	0.0	34.8	0.0
780	Motor Homes (MH)	30.4	165.5	38.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	137.4	2.7	0.0	119.5	0.0
	<b>Total</b>	<b>4699.7</b>	<b>22541.0</b>	<b>4587.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>16652.6</b>	<b>709.5</b>	<b>0.0</b>	<b>71958.5</b>	<b>0.0</b>
<b>Mobile Sources</b>																
810	Aircraft	833.2	410.4	326.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2678.8	1.3	0.0	4.6	0.0
820	Trains	274.9	74.8	7.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	550.1	55.2	0.0	0.0	0.0

Code	Source Category	Acetaldehyde	Benzene	1,3 Butadiene	Carbon tetrachloride	Chloroform	1,1 Dichloroethane	1,4 Dioxane	Ethylene dibromide	Ethylene dichloride	Ethylene oxide	Formaldehyde	Methyl ethyl ketone	Methylene chloride	MTBE	p-Dichlorobenzene
830	Ships and Commercial Boats	516.9	152.6	13.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1034.8	103.8	0.0	0.0	0.0
840	Recreational Boats	668.1	2942.0	704.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2708.6	57.4	0.0	2462.4	0.0
850	Off-Road Recreational Vehicles	138.6	645.0	153.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	576.5	11.1	0.0	781.2	0.0
860	Off-Road Equipment	4607.8	8152.0	1810.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12657.7	736.0	0.0	10415.0	0.0
870	Farm Equipment	208.5	68.5	8.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	422.9	41.5	0.0	17.6	0.0
890	Fuel Storage and Handling	0.0	731.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8450.3	0.0
895	Truck Stops	13.4	3.7	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26.9	2.7	0.0	0.0	0.0
	<b>Total</b>	<b>7261.3</b>	<b>13180.5</b>	<b>3022.8</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>20656.3</b>	<b>1009.0</b>	<b>0.0</b>	<b>22131.0</b>	<b>0.0</b>
	<b>AB2588 Sources</b>	<b>57.1</b>	<b>266.8</b>	<b>2.0</b>	<b>1.8</b>	<b>35.5</b>	<b>0.1</b>	<b>105.0</b>	<b>0.2</b>	<b>17.6</b>	<b>12.3</b>	<b>674.7</b>	<b>385.9</b>	<b>1673.6</b>	<b>434.4</b>	<b>4.5</b>
	<b>Stationary and Area Sources</b>	<b>755.2</b>	<b>2416.1</b>	<b>624.8</b>	<b>12.6</b>	<b>41.2</b>	<b>16.9</b>	<b>106.7</b>	<b>0.3</b>	<b>109.6</b>	<b>62.3</b>	<b>2994.3</b>	<b>16143.0</b>	<b>21232.3</b>	<b>14022.2</b>	<b>4088.8</b>
	<b>On-Road Vehicles</b>	<b>4699.7</b>	<b>22541.0</b>	<b>4587.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>16652.6</b>	<b>709.5</b>	<b>0.0</b>	<b>71958.5</b>	<b>0.0</b>
	<b>Other Mobile</b>	<b>7261.3</b>	<b>13180.5</b>	<b>3022.8</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>20656.3</b>	<b>1009.0</b>	<b>0.0</b>	<b>22131.0</b>	<b>0.0</b>
	<b>Anthropogenic</b>	<b>12716.2</b>	<b>38137.7</b>	<b>8234.7</b>	<b>12.6</b>	<b>41.2</b>	<b>16.9</b>	<b>106.7</b>	<b>0.3</b>	<b>109.6</b>	<b>62.3</b>	<b>40303.2</b>	<b>17861.4</b>	<b>21232.3</b>	<b>108111.7</b>	<b>4088.8</b>

Table D-2 Continued

Code	Source Category	Perchloroethylene	Propylene oxide	Styrene	Toluene	Trichloroethylene	Vinyl chloride	Arsenic	Cadmium	Chromium	Diesel particulate	Hexavalent chromium	Lead	Nickel	Selenium
<b>Fuel Combustion</b>															
10	Electric Utilities	0.0	0.0	0.0	38.8	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.2	0.0
20	Cogeneration	0.0	0.0	0.0	22.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.0
30	Oil and Gas Production (combustion)	0.0	0.0	0.0	33.2	0.0	0.0	0.9	0.1	1.1	22.5	0.2	1.1	0.2	0.2
40	Petroleum Refining (Combustion)	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50	Manufacturing and Industrial	0.0	0.0	1.1	90.4	0.0	0.0	1.4	0.5	5.6	1308.3	1.0	1.8	4.4	4.2
52	Food and Agricultural Processing	0.0	0.0	0.2	11.8	0.0	0.0	0.0	0.0	0.4	226.9	0.1	0.0	0.4	0.4
60	Service and Commercial	0.0	0.0	0.6	50.2	0.0	0.0	1.8	0.2	2.4	0.0	0.4	1.9	0.8	0.7
99	Other (Fuel Combustion)	0.0	0.0	0.0	18.3	0.0	0.0	0.7	0.1	0.7	0.0	0.1	0.7	0.1	0.1
	<b>Total</b>	<b>0.0</b>	<b>0.0</b>	<b>1.9</b>	<b>264.8</b>	<b>0.0</b>	<b>0.0</b>	<b>4.8</b>	<b>0.9</b>	<b>10.5</b>	<b>1557.6</b>	<b>1.9</b>	<b>5.6</b>	<b>6.0</b>	<b>5.5</b>
<b>Waste Disposal</b>															
110	Sewage Treatment	4.1	0.0	0.0	4.3	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120	Landfills	44.6	0.0	0.0	1097.6	26.6	33.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130	Incineration	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0
199	Other (Waste Disposal)	1.3	0.0	0.0	51.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	<b>Total</b>	<b>49.9</b>	<b>0.0</b>	<b>0.0</b>	<b>1153.2</b>	<b>27.2</b>	<b>33.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>7.0</b>	<b>0.0</b>
<b>Cleaning and Surface Coatings</b>															
210	Laundering	16552.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
220	Degreasing	1744.2	0.0	20.0	5372.3	1844.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
230	Coatings and Related Processes	424.5	0.0	0.5	17605.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
240	Printing	0.0	0.0	0.0	22.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
250	Adhesives and Sealants	0.0	0.0	0.0	622.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
299	Other (Cleaning and Surface Coatings)	23.1	0.0	0.0	191.4	23.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	<b>Total</b>	<b>18744.1</b>	<b>0.0</b>	<b>20.5</b>	<b>23814.2</b>	<b>1867.4</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>
<b>Petroleum Production and Marketing</b>															
310	Oil and Gas Production	0.0	0.0	0.1	116.5	0.0	0.1	0.2	0.0	0.0	0.0	0.0	0.3	0.0	0.0
320	Petroleum Refining	0.0	0.0	0.0	4.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
330	Petroleum Marketing	0.0	0.0	0.0	1782.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
399	Other (Petroleum Production and Marketing)	0.0	0.0	0.0	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	<b>Total</b>	<b>0.0</b>	<b>0.0</b>	<b>0.1</b>	<b>1905.4</b>	<b>0.0</b>	<b>0.1</b>	<b>0.2</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.3</b>	<b>0.0</b>	<b>0.0</b>
<b>Industrial Processes</b>															
410	Chemical	0.0	0.7	1657.7	1455.0	0.0	57.3	1.0	0.4	0.1	0.0	0.0	2.0	0.2	0.0
420	Food and Agriculture	0.0	0.0	0.0	313.9	0.0	0.0	0.1	0.0	1.4	0.0	0.1	0.0	0.8	0.0
430	Mineral Processes	0.0	0.0	1.0	48.6	0.0	0.0	0.4	1.2	8.3	0.0	0.1	1.9	10.1	1.0
440	Metal Processes	0.0	0.0	4.4	60.5	0.0	1.5	5.6	1.8	1.0	0.0	0.2	25.7	0.6	0.1
450	Wood and Paper	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.1	0.0
460	Glass and Related Products	0.0	0.0	0.0	8.2	0.0	0.0	2.5	0.0	0.7	0.0	0.1	0.7	0.1	4.7
470	Electronics	0.0	0.0	0.2	0.1	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.2	0.0	0.0
499	Other (Industrial Processes)	0.0	0.0	200.5	30.3	0.0	0.1	1.8	0.6	0.3	0.0	0.0	6.2	0.6	0.4
	<b>Total</b>	<b>0.0</b>	<b>0.7</b>	<b>1863.6</b>	<b>1916.6</b>	<b>0.0</b>	<b>59.0</b>	<b>11.4</b>	<b>4.0</b>	<b>11.8</b>	<b>0.0</b>	<b>0.5</b>	<b>36.7</b>	<b>12.4</b>	<b>6.2</b>

Code	Source Category	Perchloroethylene	Propylene oxide	Styrene	Toluene	Trichloroethylene	Vinyl chloride	Arsenic	Cadmium	Chromium	Diesel particulate	Hexavalent chromium	Lead	Nickel	Selenium
<b>Solvent Evaporation</b>															
510	Consumer Products	4828.0	0.0	14.3	10354.2	502.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
520	Architectural Coatings and Related Solvent	6.3	0.0	116.0	4298.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
530	Pesticides/Fertilizers	0.0	0.0	0.0	124.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
540	Asphalt Paving/Roofing	0.0	0.0	0.0	8.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	<b>Total</b>	<b>4834.3</b>	<b>0.0</b>	<b>130.3</b>	<b>14785.8</b>	<b>502.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>
<b>Miscellaneous Processes</b>															
610	Residential Fuel Combustion	0.0	0.0	0.0	244.8	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.2	0.0	0.0
620	Farming Operations	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.3	3.5	0.0	0.0	1.0	0.9	0.1
630	Construction and Demolition	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.5	27.2	0.0	0.0	67.5	7.2	0.2
640	Paved Road Dust	0.0	0.0	0.0	0.0	0.0	0.0	7.6	1.8	10.0	0.0	0.0	72.9	7.1	1.2
645	Unpaved Road Dust	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.6	0.7	0.0	0.0	5.7	1.6	0.1
650	Fugitive Windblown Dust	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.7	17.5	0.0	0.0	9.3	4.2	0.2
660	Fires	0.0	0.0	0.0	52.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
670	Waste Burning and Disposal	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.7	0.0	0.0
680	Utility Equipment	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
690	Cooking	0.0	0.0	0.0	277.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
699	Other (Miscellaneous Processes)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	<b>Total</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>575.5</b>	<b>0.0</b>	<b>0.0</b>	<b>12.4</b>	<b>6.9</b>	<b>59.0</b>	<b>0.0</b>	<b>0.0</b>	<b>157.3</b>	<b>21.0</b>	<b>1.8</b>
<b>On-Road Motor Vehicles</b>															
710	Light Duty Passenger Auto (LDA)	0.0	0.0	614.4	31211.8	0.0	0.0	0.1	0.0	8.3	618.0	0.4	0.8	5.7	0.2
722	Light Duty Trucks 1 (T1)	0.0	0.0	154.9	7864.3	0.0	0.0	0.0	0.0	1.8	156.0	0.1	0.2	1.3	0.0
723	Light Duty Trucks 2 (T2)	0.0	0.0	155.7	7290.1	0.0	0.0	0.0	0.0	2.4	94.0	0.2	0.2	1.8	0.0
724	Medium Duty Trucks (T3)	0.0	0.0	85.7	3974.0	0.0	0.0	0.0	0.0	1.1	46.0	0.1	0.1	0.8	0.0
732	Light Heavy Duty Gas Trucks 1 (T4)	0.0	0.0	53.7	2771.6	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.1	0.0
733	Light Heavy Duty Gas Trucks 2 (T5)	0.0	0.0	6.7	283.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
734	Medium Heavy Duty Gas Trucks (T6)	0.0	0.0	37.1	1851.2	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
736	Heavy Heavy Duty Gas Trucks (HHD)	0.0	0.0	28.1	1256.6	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.0
742	Light Heavy Duty Diesel Trucks 1 (T4)	0.0	0.0	0.1	5.3	0.0	0.0	0.0	0.0	0.0	72.0	0.0	0.0	0.0	0.0
743	Light Heavy Duty Diesel Trucks 2 (T5)	0.0	0.0	0.3	14.5	0.0	0.0	0.0	0.0	0.0	158.0	0.0	0.0	0.0	0.0
744	Medium Heavy Duty Diesel Truck (T6)	0.0	0.0	1.6	71.0	0.0	0.0	0.0	0.2	0.1	2822.0	0.0	0.1	0.1	0.0
746	Heavy Heavy Duty Diesel Trucks (HHD)	0.0	0.0	11.7	523.2	0.0	0.0	0.1	0.7	0.4	10890.0	0.0	0.5	0.4	0.1
750	Motorcycles (MCY)	0.0	0.0	13.0	880.4	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.0
760	Diesel Urban Buses (UB)	0.0	0.0	1.0	45.9	0.0	0.0	0.0	0.0	0.0	618.0	0.0	0.0	0.0	0.0
762	Gas Urban Buses (UB)	0.0	0.0	5.9	285.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
770	School Buses (SB)	0.0	0.0	1.2	69.5	0.0	0.0	0.0	0.0	0.0	260.0	0.0	0.0	0.0	0.0
780	Motor Homes (MH)	0.0	0.0	6.8	343.2	0.0	0.0	0.0	0.0	0.1	28.0	0.0	0.0	0.0	0.0
	<b>Total</b>	<b>0.0</b>	<b>0.0</b>	<b>1177.9</b>	<b>58740.9</b>	<b>0.0</b>	<b>0.0</b>	<b>0.2</b>	<b>1.1</b>	<b>14.7</b>	<b>15762.0</b>	<b>0.8</b>	<b>1.8</b>	<b>10.4</b>	<b>0.4</b>
<b>Mobile Sources</b>															
810	Aircraft	0.0	0.0	75.5	229.8	0.0	0.0	8.2	0.8	8.2	0.0	1.5	8.5	0.8	0.8
820	Trains	0.0	0.0	2.2	97.3	0.0	0.0	0.0	0.1	0.0	1813.3	0.0	0.1	0.0	0.0
830	Ships and Commercial Boats	0.0	0.0	4.1	194.8	0.0	0.0	0.0	0.4	0.1	5394.0	0.0	0.2	0.1	0.0
840	Recreational Boats	0.0	0.0	110.4	5852.4	0.0	0.0	0.0	0.0	2.2	47.4	0.4	0.0	2.2	0.0
850	Off-Road Recreational Vehicles	0.0	0.0	24.0	1298.4	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.0
860	Off-Road Equipment	0.0	0.0	295.2	15897.9	0.0	0.0	0.1	1.5	2.6	21643.4	0.4	0.7	2.7	0.1

Code	Source Category	Perchloroethylene	Propylene oxide	Styrene	Toluene	Trichloroethylene	Vinyl chloride	Arsenic	Cadmium	Chromium	Diesel particulate	Hexavalent chromium	Lead	Nickel	Selenium
870	Farm Equipment	0.0	0.0	2.1	98.2	0.0	0.0	0.0	0.1	0.0	1310.2	0.0	0.0	0.0	0.0
890	Fuel Storage and Handling	0.0	0.0	0.0	5053.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
895	Truck Stops	0.0	0.0	0.1	4.8	0.0	0.0	0.0	0.0	0.0	36.6	0.0	0.0	0.0	0.0
	<b>Total</b>	<b>0.0</b>	<b>0.0</b>	<b>513.6</b>	<b>28727.4</b>	<b>0.0</b>	<b>0.0</b>	<b>8.3</b>	<b>2.8</b>	<b>13.2</b>	<b>30244.8</b>	<b>2.3</b>	<b>9.4</b>	<b>6.0</b>	<b>0.9</b>
	<b>AB2588 Sources</b>	<b>2249.1</b>	<b>22.3</b>	<b>3836.7</b>	<b>3682.4</b>	<b>58.0</b>	<b>4.3</b>	<b>0.7</b>	<b>0.7</b>	<b>2.2</b>	<b>5.4</b>	<b>1.0</b>	<b>24.5</b>	<b>21.6</b>	<b>5.7</b>
	Stationary and Area Sources	25877.4	23.0	5853.2	48097.8	2454.6	96.4	29.5	12.6	83.6	1563.0	3.4	224.3	68.1	19.2
	On-Road Vehicles	0.0	0.0	1177.9	58740.9	0.0	0.0	0.2	1.1	14.7	15762.0	0.8	1.8	10.4	0.4
	Other Mobile	0.0	0.0	513.6	28727.4	0.0	0.0	8.3	2.8	13.2	30244.8	2.3	9.4	6.0	0.9
	Anthropogenic	25877.4	23.0	7544.7	135566.1	2454.6	96.4	37.9	16.5	111.5	47569.8	6.5	235.5	84.4	20.5

**Table D-3**  
**1998 Annual Average Day Emissions for the South Coast Air Basin (pounds/day)**  
**(MATES II / March 2000 ATCP)**

Pollutant	Emissions (lb/day)						Sum Total
	On-Road	Off-Road	Stationary Source			Total	
			Point	AB2588	Area		
Acetaldehyde	5485.8	5770.3	33.9	57.1	189.1	280.2	11536.2
Benzene	21945.5	6533.4	217.7	266.8	2495.4	2979.9	31458.8
Butadiene [1,3]	4033.8	1566.1	6.7	2.0	151.3	160.0	5759.9
Carbon tetrachloride	0.0	0.0	8.8	1.8	0.0	10.6	10.6
Chloroform	0.0	0.0	0.0	35.5	0.0	35.5	35.5
Dibromoethane	0.0	0.0	0.0	0.2	0.0	0.2	0.2
Dichloroethane [1,2]	0.0	0.0	4.9	17.6	0.0	22.5	22.5
Dichloroethane [1,1]	0.0	0.0	0.0	0.1	0.0	0.1	0.1
Dioxane [1,4]	0.0	0.0	0.0	105.0	0.0	105.0	105.0
Ethylene oxide	0.0	0.0	58.1	12.3	454.1	524.4	524.4
Formaldehyde	16664.9	16499.3	521.6	674.7	1107.5	2303.8	35468.0
Methyl Ethyl Ketone	905.1	906.9	3240.2	385.9	14535.4	18161.5	19973.5
Methylene chloride	0.0	0.0	1378.6	1673.6	9421.7	12473.9	12473.9
MTBE	58428.9	2679.2	40.5	434.4	5473.7	5948.6	67056.7
p-Dichlorobenzene	0.0	0.0	0.0	4.5	3735.6	3740.1	3740.1
Perchloroethylene	0.0	0.0	4622.0	2249.1	22813.1	29684.2	29684.2
Propylene oxide	0.0	0.0	0.0	22.3	0.0	22.3	22.3
Styrene	1114.8	287.1	447.0	3836.7	21.4	4305.1	5707.0
Toluene	63187.6	11085.9	5689.6	3682.4	52246.7	61618.7	135892.2
Trichloroethylene	0.0	0.0	1.1	58.0	2550.3	2609.3	2609.3
Vinyl chloride	0.0	0.0	0.0	4.3	0.0	4.3	4.3
Arsenic	0.1	0.3	2.7	0.7	21.4	24.8	25.2
Cadmium	1.6	1.5	0.5	0.7	27.5	28.7	31.8
Chromium	2.4	2.3	3.9	2.2	302.2	308.4	313.0
Diesel particulate	23906.3	22386.3	0.0	5.4	815.3	820.8	47113.4
Hexavalent chromium	0.4	0.4	0.3	1.0	0.1	1.4	2.2
Lead	0.7	0.9	1.9	24.5	1016.3	1042.7	1044.3
Nickel	2.5	2.2	2.9	21.6	85.6	110.1	114.9
Selenium	0.1	0.1	3.0	5.7	2.6	11.3	11.6



**Table D-4**  
**1998 Toxics Emission Inventory for the South Coast Air Basin (March 2000 ATCP)**  
**Emissions (lb/day)**

Code	Source Category	Benzene	1,3- Butadiene	p- Dichloro- benzene	Methylene chloride	Perchloro- ethylene	Trichloro- ethylene	Formalde- hyde	Acetalde- hyde	Diesel PM	Hex. chromium	Nickel
100	<b>Fuel Combustion</b>											
110	Agricultural	1.42	0.00	0.00	0.00	0.00	0.00	0.15	0.00	0.00	0.02	0.01
120	Oil and Gas Production	55.57	0.02	0.00	0.00	0.00	0.00	121.01	1.10	0.00	0.02	0.01
130	Petroleum Refining	1.12	0.01	0.00	0.00	0.00	0.00	2.44	0.12	0.00	0.01	0.03
140	Other Manufacturing/Industrial	150.93	3.48	0.00	0.00	0.00	0.00	598.79	109.87	815.34	0.10	0.24
150	Electric Utilities	12.63	0.04	0.00	0.00	0.00	0.00	31.58	0.41	0.00	0.01	0.28
160	Other Service and Commerce	94.48	3.82	0.00	0.00	0.00	0.00	255.41	17.76	0.00	0.14	0.18
170	Residential	171.61	0.00	0.00	0.00	0.00	0.00	437.33	85.34	0.00	0.02	0.01
199	Other	11.19	1.80	0.00	0.00	0.00	0.00	32.26	8.44	0.00	0.06	0.05
	<b>Total</b>	<b>498.96</b>	<b>9.16</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>1478.97</b>	<b>223.04</b>	<b>815.34</b>	<b>0.36</b>	<b>0.81</b>
200	<b>Waste Burning</b>											
210	Agricultural Debris	0.00	0.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
220	Range Management	0.00	13.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
230	Forest Management	0.00	135.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
240	Incineration	1.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
299	Other	0.00	0.00	0.00	0.00	0.00	0.00	9.53	0.00	0.00	0.00	0.00
	<b>Total</b>	<b>1.39</b>	<b>148.84</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>9.53</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.01</b>
300	<b>Solvent Use</b>											
310	Dry Cleaning	0.00	0.00	0.00	0.00	16106.30	0.00	0.00	0.00	0.00	0.00	0.00
320	Degreasing	0.00	0.00	0.00	8056.99	8594.22	2551.34	0.00	0.00	0.00	0.00	0.00
330	Architectural Coating	115.48	0.00	0.00	2117.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00
340	Other Surface Coating	10.16	0.00	0.00	186.32	0.00	0.00	30.14	0.00	0.00	0.00	0.00
350	Asphalt Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
360	Printing	0.00	0.00	0.00	0.00	0.00	0.00	8.77	0.00	0.00	0.00	0.00
370	Consumer Products	0.00	0.00	3531.72	409.76	1034.15	0.00	58.54	0.00	0.00	0.00	0.00
380	Industrial Solvent Use	0.11	0.00	0.00	0.00	569.43	0.00	0.00	0.00	0.00	0.00	0.00
399	Other	8.74	0.00	0.00	0.00	351.78	0.00	0.00	0.00	0.00	0.00	0.00
	<b>Total</b>	<b>134.49</b>	<b>0.00</b>	<b>3531.72</b>	<b>10770.55</b>	<b>26655.87</b>	<b>2551.34</b>	<b>97.44</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
400	<b>Petroleum Process, Storage &amp; Transfer</b>											
410	Oil and Gas Extraction	318.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
420	Petroleum Refining	2.44	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00
430	Petroleum Marketing	205.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
499	Other	8.78	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00
	<b>Petroleum Process, Storage &amp; Transfer</b>											
<b>Total</b>	<b>Total</b>	<b>534.63</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.04</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

Table D-4 Continued

Code	Source Category	Benzene	1,3-Butadiene	P-Dichloro-benzene	Methylene chloride	Perchloro-ethylene	Trichloro-ethylene	Formaldehyde	Acetaldehyde	Diesel PM	Hex. chromium	Nickel
500	<b>Industrial Processes</b>											
510	Chemical	0.00	0.00	0.00	0.00	0.00	0.00	37.81	0.00	0.00	0.00	0.30
520	Food and Agricultural	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
560	Mineral Processes	0.52	0.00	0.00	0.00	0.00	0.00	0.08	0.00	0.00	0.04	0.22
570	Metal Processes	0.00	0.00	0.00	0.00	0.00	0.00	1.64	0.00	0.00	0.04	1.88
580	Wood and Paper	0.06	0.00	0.00	0.00	0.00	0.00	0.13	0.00	0.00	0.00	0.00
599	Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	<b>Total</b>	<b>0.58</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>39.66</b>	<b>0.00</b>	<b>0.00</b>	<b>0.09</b>	<b>2.40</b>
600	<b>Miscellaneous Processes</b>											
610	Pesticide Application	1542.93	0.00	203.92	23.66	59.71	0.00	3.38	0.00	0.00	0.00	0.00
620	Farming Operations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.72
630	Construction and Demolition	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.33
640	Entrained Road Dust - Paved	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	51.48
650	Entrained Road Dust - Unpaved	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.83
660	Unplanned Fires	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
670	Fugitive Windblown Dust	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.33
680	Waste Disposal	0.00	0.00	0.00	0.00	719.51	0.00	0.00	0.00	0.00	0.00	0.59
685	Natural Sources	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
690	NOx/SOx RECLAIM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
691	ERC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
692	Hi/LO	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
693	NSR Exemption	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
694	Rule 518.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
695	ODC Conversion	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
699	Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	<b>Total</b>	<b>1542.93</b>	<b>0.00</b>	<b>203.92</b>	<b>23.66</b>	<b>779.22</b>	<b>0.00</b>	<b>3.38</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>85.29</b>
700	<b>On-Road Vehicles</b>											
710	Light-Duty Passenger	14133.12	2582.24	0.00	0.00	0.00	0.00	6922.97	1610.57	674.52	0.20	1.14
720	Light- and Medium-Duty Trucks	6204.22	1224.73	0.00	0.00	0.00	0.00	3104.16	698.20	346.85	0.09	0.50
730	Heavy-Duty Gas Trucks	522.93	86.42	0.00	0.00	0.00	0.00	303.18	63.13	0.00	0.08	0.46
740	Heavy-Duty Diesel Trucks	808.48	76.77	0.00	0.00	0.00	0.00	5945.02	2970.89	22769.86	0.00	0.36
750	Motorcycles	250.89	61.20	0.00	0.00	0.00	0.00	199.09	47.84	0.00	0.01	0.06
760	Heavy-Duty Diesel - Urban Bus	25.90	2.46	0.00	0.00	0.00	0.00	190.44	95.17	115.07	0.00	0.00
799	Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	<b>Total</b>	<b>21945.53</b>	<b>4033.82</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>16664.85</b>	<b>5485.80</b>	<b>23906.30</b>	<b>0.39</b>	<b>2.52</b>

Table D-4 Concluded

Code	Source Category	Benzene	1,3- Butadiene	P- Dichloro- benzene	Methylene chloride	Perchloro- ethylene	Trichloro- ethylene	Formalde- hyde	Acetalde- hyde	Diesel PM	Hex. chromium	Nickel
800	<b>Other Mobile</b>											
810	Off-Road Vehicles	2886.70	695.27	0.00	0.00	0.00	0.00	2672.39	658.44	95.34	0.24	1.35
815	Commercial Boats	38.03	4.84	0.00	0.00	0.00	0.00	225.57	110.75	200.00	0.00	0.00
820	Trains	83.06	7.89	0.00	0.00	0.00	0.00	610.76	305.21	1053.15	0.00	0.02
830	Ships	191.17	16.81	0.00	0.00	0.00	0.00	1302.49	650.57	5176.44	0.00	0.08
850	Aircraft - Government	13.92	3.36	0.00	0.00	0.00	0.00	10.66	4.24	0.00	0.00	0.00
860	Aircraft - Other	474.73	269.57	0.00	0.00	0.00	0.00	1974.94	627.28	0.00	0.04	0.05
870	Mobile Equipment	1849.63	328.02	0.00	0.00	0.00	0.00	8799.08	3196.60	15861.37	0.02	0.38
880	Utility Equipment	996.13	240.35	0.00	0.00	0.00	0.00	903.47	217.18	0.00	0.06	0.33
891	Seeps/Biogenics	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
892	Channel Shipping	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
893	OCS and Related Sources	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
894	Tideland Platforms	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	<b>Total</b>	<b>6533.38</b>	<b>1566.10</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>16499.34</b>	<b>5770.27</b>	<b>22386.30</b>	<b>0.37</b>	<b>2.21</b>
900	Unspecified Sources	0.06	0.01	0.00	6.09	0.00	0.00	0.05	0.01	0.00	0.00	0.00
	<b>AB 2588 Sources</b>	<b>266.81</b>	<b>2.01</b>	<b>4.48</b>	<b>1673.60</b>	<b>2249.10</b>	<b>57.99</b>	<b>674.73</b>	<b>57.11</b>	<b>5.42</b>	<b>1.00</b>	<b>21.63</b>
<b>Total</b>	<b>Stationary and Area Sources</b>	<b>2979.85</b>	<b>160.02</b>	<b>3740.12</b>	<b>12473.90</b>	<b>29684.20</b>	<b>2609.33</b>	<b>2303.81</b>	<b>280.17</b>	<b>820.76</b>	<b>1.45</b>	<b>110.14</b>
<b>Total</b>	<b>On-Road Vehicles</b>	<b>21945.53</b>	<b>4033.82</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>16664.85</b>	<b>5485.80</b>	<b>23906.30</b>	<b>0.39</b>	<b>2.52</b>
<b>Total</b>	<b>Other Mobile</b>	<b>6533.38</b>	<b>1566.10</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>16499.34</b>	<b>5770.27</b>	<b>22386.30</b>	<b>0.37</b>	<b>2.21</b>
<b>Grand</b>	<b>Total</b>	<b>31458.76</b>	<b>5759.93</b>	<b>3740.12</b>	<b>12473.90</b>	<b>29684.20</b>	<b>2609.33</b>	<b>35468.00</b>	<b>11536.23</b>	<b>47113.37</b>	<b>2.20</b>	<b>114.88</b>

**Table D-5**  
**2010 Toxics Emission Inventory for the South Coast Air Basin (March 2000 ATCP)**  
**Emissions (lb/day)**

Code	Source Category	Benzene	1,3- Butadiene	p- Dichloro- benzene	Methylene chloride	Perchloro- ethylene	Trichloro- ethylene	Formalde- hyde	Acetalde- hyde	Diesel PM	Hex. chromium	Nickel
100	<b>Fuel Combustion</b>											
110	Agricultural	1.35	0.00	0.00	0.00	0.00	0.00	0.14	0.00	0.00	0.02	0.01
120	Oil and Gas Production	54.22	0.01	0.00	0.00	0.00	0.00	112.67	0.48	0.00	0.02	0.01
130	Petroleum Refining	0.33	0.00	0.00	0.00	0.00	0.00	0.71	0.04	0.00	0.01	0.03
140	Other Manufacturing/Industrial	112.80	3.05	0.00	0.00	0.00	0.00	511.42	105.36	793.42	0.10	0.24
150	Electric Utilities	3.64	0.01	0.00	0.00	0.00	0.00	9.76	0.14	0.00	0.00	0.14
160	Other Service and Commerce	80.18	2.61	0.00	0.00	0.00	0.00	205.42	11.86	0.00	0.17	0.19
170	Residential	185.53	0.00	0.00	0.00	0.00	0.00	487.01	105.34	0.00	0.02	0.01
199	Other	6.82	1.08	0.00	0.00	0.00	0.00	19.79	5.21	0.00	0.05	0.05
	<b>Total</b>	<b>444.88</b>	<b>6.76</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>1346.93</b>	<b>228.43</b>	<b>793.42</b>	<b>0.38</b>	<b>0.67</b>
200	<b>Waste Burning</b>											
210	Agricultural Debris	0.00	0.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
220	Range Management	0.00	12.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
230	Forest Management	0.00	208.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
240	Incineration	1.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
299	Other	0.00	0.00	0.00	0.00	0.00	0.00	3.56	0.00	0.00	0.00	0.00
	<b>Total</b>	<b>1.03</b>	<b>221.86</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>3.56</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.01</b>
300	<b>Solvent Use</b>											
310	Dry Cleaning	0.00	0.00	0.00	0.00	18854.14	0.00	0.00	0.00	0.00	0.00	0.00
320	Degreasing	0.00	0.00	0.00	9893.69	6814.19	1243.51	0.00	0.00	0.00	0.00	0.00
330	Architectural Coating	33.31	0.00	0.00	610.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
340	Other Surface Coating	5.84	0.00	0.00	107.07	0.00	0.00	16.99	0.00	0.00	0.00	0.00
350	Asphalt Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
360	Printing	0.00	0.00	0.00	0.00	0.00	0.00	6.03	0.00	0.00	0.00	0.00
370	Consumer Products	0.00	0.00	722.30	83.80	211.50	0.00	11.97	0.00	0.00	0.00	0.00
380	Industrial Solvent Use	0.04	0.00	0.00	0.00	204.93	0.00	0.00	0.00	0.00	0.00	0.00
399	Other	8.75	0.00	0.00	0.00	135.78	0.00	0.00	0.00	0.00	0.00	0.00
	<b>Total</b>	<b>47.94</b>	<b>0.00</b>	<b>722.30</b>	<b>10695.27</b>	<b>26220.54</b>	<b>1243.51</b>	<b>34.99</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
400	<b>Petroleum Process, Storage &amp; Transfer</b>											
410	Oil and Gas Extraction	114.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
420	Petroleum Refining	0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
430	Petroleum Marketing	138.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
499	Other	4.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	<b>Total</b>	<b>258.01</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

Table D-5 Continued

Code	Source Category	Benzene	1,3- Butadiene	P- Dichloro- benzene	Methylene chloride	Perchloro- ethylene	Trichloro- ethylene	Formalde- hyde	Acetalde- hyde	Diesel PM	Hex. chromium	Nickel
500	<b>Industrial Processes</b>											
510	Chemical	0.00	0.00	0.00	0.00	0.00	0.00	21.37	0.00	0.00	0.00	0.42
520	Food and Agricultural	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
560	Mineral Processes	0.16	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.04	0.20
570	Metal Processes	0.00	0.00	0.00	0.00	0.00	0.00	1.10	0.00	0.00	0.04	1.90
580	Wood and Paper	0.04	0.00	0.00	0.00	0.00	0.00	0.08	0.00	0.00	0.00	0.00
599	Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	<b>Total</b>	<b>0.21</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>22.59</b>	<b>0.00</b>	<b>0.00</b>	<b>0.09</b>	<b>2.52</b>
600	<b>Miscellaneous Processes</b>											
610	Pesticide Application	1377.91	0.00	32.58	3.78	9.54	0.00	0.54	0.00	0.00	0.00	0.00
620	Farming Operations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.01
630	Construction and Demolition	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.10
640	Entrained Road Dust - Paved	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	40.41
650	Entrained Road Dust - Unpaved	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.69
660	Unplanned Fires	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
670	Fugitive Windblown Dust	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
680	Waste Disposal	0.00	0.00	0.00	0.00	536.87	0.00	0.00	0.00	0.00	0.00	0.66
685	Natural Sources	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
690	NOx/SOx RECLAIM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
691	ERC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
692	Hi/LO	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
693	NSR Exemption	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
694	Rule 518.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
695	ODC Conversion	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
699	Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	<b>Total</b>	<b>1377.91</b>	<b>0.00</b>	<b>32.58</b>	<b>3.78</b>	<b>546.41</b>	<b>0.00</b>	<b>0.54</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>59.87</b>
700	<b>On-Road Vehicles</b>											
710	Light-Duty Passenger Light- and Medium-Duty	2345.54	345.26	0.00	0.00	0.00	0.00	809.89	187.00	97.53	0.15	0.82
720	Trucks	1097.72	184.17	0.00	0.00	0.00	0.00	415.02	97.72	18.08	0.08	0.46
730	Heavy-Duty Gas Trucks	157.50	20.58	0.00	0.00	0.00	0.00	65.25	9.92	0.00	0.09	0.51
740	Heavy-Duty Diesel Trucks	202.10	19.19	0.00	0.00	0.00	0.00	1486.07	742.63	12476.71	0.00	0.20
750	Motorcycles	199.71	48.69	0.00	0.00	0.00	0.00	159.69	38.37	0.00	0.01	0.07
760	Heavy-Duty Diesel - Urban Bus	7.57	0.72	0.00	0.00	0.00	0.00	55.63	27.80	34.52	0.00	0.00
799	Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	<b>Total</b>	<b>4010.13</b>	<b>618.62</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>2991.55</b>	<b>1103.44</b>	<b>12626.85</b>	<b>0.33</b>	<b>2.06</b>

Table D-5 Concluded

Code	Source Category	Benzene	1,3- Butadiene	P- Dichloro- benzene	Methylene chloride	Perchloro- ethylene	Trichloro- ethylene	Formalde- hyde	Acetalde- hyde	Diesel PM	Hex. chromium	Nickel
800	<b>Other Mobile</b>											
810	Off-Road Vehicles	1635.46	393.26	0.00	0.00	0.00	0.00	1542.22	388.15	132.60	0.34	1.87
815	Commercial Boats	23.94	3.24	0.00	0.00	0.00	0.00	133.60	65.22	289.32	0.00	0.00
820	Trains	61.07	5.80	0.00	0.00	0.00	0.00	449.06	224.41	989.04	0.00	0.02
830	Ships	144.40	13.35	0.00	0.00	0.00	0.00	1033.84	516.55	5881.64	0.00	0.09
850	Aircraft - Government	11.49	2.55	0.00	0.00	0.00	0.00	6.48	2.81	0.00	0.00	0.00
860	Aircraft - Other	518.75	362.29	0.00	0.00	0.00	0.00	2862.61	896.41	0.00	0.05	0.05
870	Mobile Equipment	727.41	101.04	0.00	0.00	0.00	0.00	4382.19	1917.55	17032.33	0.03	0.41
880	Utility Equipment	257.95	62.24	0.00	0.00	0.00	0.00	233.96	56.24	0.00	0.03	0.17
891	Seeps/Biogenics	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
892	Channel Shipping	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
893	OCS and Related Sources	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
894	Tideland Platforms	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	<b>Total</b>	<b>3380.47</b>	<b>943.76</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>10643.96</b>	<b>4067.34</b>	<b>24324.93</b>	<b>0.44</b>	<b>2.62</b>
900	Unspecified Sources	0.04	0.01	0.00	3.32	0.00	0.00	0.03	0.01	0.00	0.00	0.00
	<b>AB 2588 Sources</b>	<b>266.81</b>	<b>2.01</b>	<b>4.48</b>	<b>1673.60</b>	<b>2249.10</b>	<b>57.99</b>	<b>674.73</b>	<b>57.11</b>	<b>5.42</b>	<b>1.00</b>	<b>21.63</b>
<b>Total</b>	<b>Stationary and Area Sources</b>	<b>2396.82</b>	<b>230.64</b>	<b>759.36</b>	<b>12375.97</b>	<b>29016.05</b>	<b>1301.50</b>	<b>2083.37</b>	<b>285.55</b>	<b>798.84</b>	<b>1.47</b>	<b>84.70</b>
<b>Total</b>	<b>On-Road Vehicles</b>	<b>4010.13</b>	<b>618.62</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>2991.55</b>	<b>1103.44</b>	<b>12626.85</b>	<b>0.33</b>	<b>2.06</b>
<b>Total</b>	<b>Other Mobile</b>	<b>3380.47</b>	<b>943.76</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>10643.96</b>	<b>4067.34</b>	<b>24324.93</b>	<b>0.44</b>	<b>2.62</b>
<b>Grand</b>	<b>Total</b>	<b>9787.42</b>	<b>1793.02</b>	<b>759.36</b>	<b>12375.97</b>	<b>29016.05</b>	<b>1301.50</b>	<b>15718.89</b>	<b>5456.33</b>	<b>37750.62</b>	<b>2.25</b>	<b>89.38</b>

**Table D-6**  
**2002 and 2010 Annual Average Day Emissions for the South Coast Air Basin (2003 AQMP Methodology)**

Pollutant	2002 Emissions (lb/day)							2010 Projected Emissions* (lb/day)						
	On-Road	Off-Road	Stationary Source				Sum Total	On-Road	Off-Road	Stationary Source				Sum Total
			Point	AB2588	Area	Total				Point	AB2588	Area	Total	
Acetaldehyde	3607.1	6307.0	156.7	60.7	591.1	808.5	10722.6	619.0	2129.6	143.9	77.7	639.9	861.4	3610.0
Benzene	14934.7	10042.1	1011.6	139.0	753.4	1904.0	26880.7	2579.8	2531.5	854.8	172.0	783.9	1810.7	6922.0
Butadiene [1,3]	3076.3	2231.7	636.1	2.1	217.2	855.4	6163.3	499.4	630.0	312.0	3.3	216.3	531.6	1661.1
Carbon tetrachloride	0.0	0.0	12.0	1.0	0.0	13.0	13.0	0.0	0.0	7.7	1.6	0.0	9.2	9.2
Chloroform	0.0	0.0	6.6	23.8	0.0	30.4	30.4	0.0	0.0	7.6	28.0	0.0	35.6	35.6
Dichloroethane [1,1]	0.0	0.0	0.0	0.1	16.8	16.9	16.9	0.0	0.0	0.0	0.1	18.6	18.7	18.7
Dioxane [1,4]	0.0	0.0	0.0	33.0	1.3	34.4	34.4	0.0	0.0	0.0	50.7	0.4	51.2	51.2
Ethylene dibromide	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.4	0.0	0.4	0.4
Ethylene dichloride	0.0	0.0	99.7	1.3	2.8	103.7	103.7	0.0	0.0	63.7	14.2	3.0	80.9	80.9
Ethylene oxide	0.0	0.0	2.8	10.1	50.5	63.4	63.4	0.0	0.0	1.8	12.3	15.3	29.4	29.4
Formaldehyde	11843.5	17125.5	986.4	498.0	1475.4	2959.8	31928.8	1845.6	5590.4	1100.1	627.0	1574.7	3301.9	10737.9
Methyl Ethyl Ketone	573.2	933.0	1745.1	200.0	9224.4	11169.5	12675.6	102.0	302.0	1256.8	281.0	3896.0	5433.8	5837.8
Methylene chloride	0.0	0.0	2214.9	1050.0	18697.5	21962.4	21962.4	0.0	0.0	490.5	1600.0	12514.1	14604.6	14604.6
MTBE	47031.8	20378.9	77.9	53.9	5738.9	5870.7	73281.3	0.0	3.6	0.0	172.0	0.0	172.0	175.6
p-Dichlorobenzene	0.0	0.0	128.1	3.1	4223.4	4354.6	4354.6	0.0	0.0	82.3	3.5	1280.5	1366.3	1366.3
Perchloroethylene	0.0	0.0	1754.0	571.5	23335.9	25661.3	25661.3	0.0	0.0	906.8	1090.5	10710.5	12707.8	12707.8
Propylene oxide	0.0	0.0	0.8	16.1	0.0	16.9	16.9	0.0	0.0	0.5	23.5	0.0	24.0	24.0
Styrene	825.1	383.6	1617.8	1390.0	113.5	3121.2	4330.0	108.6	128.6	828.1	2050.0	37.6	2915.7	3152.9
Toluene	39162.7	22405.2	13059.2	1590.0	24422.8	39072.0	100639.9	7396.6	4962.6	8940.8	2340.0	10238.0	21518.7	33878.0
Trichloroethylene	0.0	0.0	737.0	39.8	571.1	1348.0	1348.0	0.0	0.0	213.7	56.0	177.8	447.5	447.5
Vinyl chloride	0.0	0.0	66.0	4.4	33.0	103.4	103.4	0.0	0.0	41.7	5.2	36.4	83.3	83.3
Arsenic	0.1	8.1	19.4	0.6	13.1	33.1	41.3	0.1	5.6	23.3	1.0	13.5	37.8	43.6
Cadmium	0.8	2.8	5.5	0.6	7.7	13.8	17.4	0.3	1.8	6.8	0.8	8.1	15.7	17.8
Chromium	16.4	13.3	24.6	0.0	64.8	89.4	119.1	18.6	11.9	28.1	0.0	70.9	99.0	129.5
Diesel particulate	12182.0	30594.6	0.0	82.2	1568.3	1650.6	44427.2	4978.6	19120.4	0.0	14.6	214.5	229.1	24328.1
Hexavalent chromium	0.9	2.3	2.6	0.5	0.0	3.1	6.4	1.1	2.1	2.9	0.4	0.1	3.4	6.6
Lead	1.9	9.2	49.1	12.0	179.4	240.5	251.6	1.8	6.3	60.5	23.7	195.7	279.9	288.0
Nickel	11.6	6.3	26.8	16.3	23.9	66.9	84.8	13.3	7.0	30.9	19.8	25.2	75.9	96.2
Selenium	0.4	0.9	12.3	2.5	2.2	17.0	18.2	0.4	0.6	14.3	6.1	2.2	22.6	23.6

\*Numbers for 2010 are projected inventory. Future projections include 2003 AQMP Control Measures, adopted rules, and growth.

**Table D-7  
2002 Toxics Emission Inventory for the South Coast Air Basin (Updated Inventory)  
Emissions (lb/day)**

Code	Source Category	Acetaldehyde	Benzene	1,3-Butadiene	Carbon tetrachloride	Chloroform	1,1-Dichloroethane	1,4-Dioxane	Ethylene dibromide	Ethylene dichloride	Ethylene oxide	Formaldehyde	Methyl ethyl ketone	Methylene chloride	MTBE	p-Dichlorobenzene
<b>Fuel Combustion</b>																
10	Electric Utilities	3.6	81.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	224.5	0.1	0.0	0.0	0.0
20	Cogeneration	1.5	5.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	41.8	0.0	0.0	0.0	0.0
30	Oil and Gas Production (Combustion)	4.9	66.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	156.5	0.8	0.0	0.0	0.0
40	Petroleum Refining (Combustion)	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0
50	Manufacturing and Industrial	143.7	136.9	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	564.6	27.9	0.0	0.8	0.0
52	Food and Agricultural Processing	18.8	15.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	59.7	3.8	0.0	0.2	0.0
60	Service and Commercial	40.8	75.7	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	255.4	7.3	0.0	5.3	0.0
99	Other (Fuel Combustion)	0.8	2.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.4	0.1	0.0	0.5	0.0
	<b>Total</b>	<b>214.1</b>	<b>383.4</b>	<b>8.2</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>1313.2</b>	<b>39.8</b>	<b>0.0</b>	<b>6.7</b>	<b>0.0</b>
<b>Waste Disposal</b>																
110	Sewage Treatment	0.1	0.2	0.0	0.0	3.7	0.0	0.0	0.0	0.0	0.0	0.4	0.0	5.6	0.0	0.6
120	Landfills	0.0	62.4	0.0	0.0	0.0	16.8	0.0	0.0	2.8	0.0	18.7	36.7	87.8	0.0	0.0
130	Incineration	0.0	22.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0
199	Other (Waste Disposal)	0.0	0.1	0.0	0.0	1.4	0.0	0.0	0.0	0.0	0.0	0.1	0.0	2.1	0.0	0.2
	<b>Total</b>	<b>0.1</b>	<b>85.1</b>	<b>0.0</b>	<b>0.1</b>	<b>5.0</b>	<b>16.8</b>	<b>0.0</b>	<b>0.0</b>	<b>2.8</b>	<b>0.0</b>	<b>20.0</b>	<b>36.7</b>	<b>95.5</b>	<b>0.0</b>	<b>0.8</b>
<b>Cleaning and Surface Coatings</b>																
210	Laundering	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
220	Degreasing	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3249.9	12125.1	0.0	0.0
230	Coatings and Related Processes	0.0	4.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2407.7	86.6	0.0	0.0
240	Printing	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	750.8	0.0	0.0	0.0
250	Adhesives and Sealants	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1188.8	36.2	0.0	0.0
299	Other (Cleaning and Surface Coatings)	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0
	<b>Total</b>	<b>0.0</b>	<b>6.9</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.4</b>	<b>7597.3</b>	<b>12247.7</b>	<b>0.0</b>	<b>0.0</b>
<b>Petroleum Production and Marketing</b>																
310	Oil and Gas Production	0.1	195.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.7	0.1	0.0	0.0	0.1
320	Petroleum Refining	0.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.0	0.0	0.0	7.2	0.0
330	Petroleum Marketing	0.0	217.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	5802.9	0.0
399	Other (Petroleum Production & Marketing)	0.0	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	<b>Total</b>	<b>0.1</b>	<b>421.2</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.1</b>	<b>0.0</b>	<b>13.8</b>	<b>0.1</b>	<b>0.0</b>	<b>5810.1</b>	<b>0.1</b>
<b>Industrial Processes</b>																
410	Chemical	70.9	434.7	629.9	11.5	1.5	0.0	0.0	0.0	96.1	2.7	48.1	81.6	0.0	0.0	122.8
420	Food and Agriculture	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
430	Mineral Processes	0.0	179.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	98.0	0.0	0.0	0.0	0.0
440	Metal Processes	2.4	13.7	1.2	0.4	0.1	0.0	0.0	0.0	3.2	0.1	3.5	2.4	0.0	0.0	4.1
450	Wood and Paper	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
460	Glass and Related Products	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
470	Electronics	0.1	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.1	0.0	0.0	0.1
499	Other (Industrial Processes)	0.2	2.8	0.1	0.0	0.0	0.0	0.0	0.0	0.2	0.0	2.0	0.2	0.0	0.0	0.3
	<b>Total</b>	<b>73.5</b>	<b>630.8</b>	<b>631.2</b>	<b>11.9</b>	<b>1.6</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>99.6</b>	<b>2.8</b>	<b>151.6</b>	<b>84.2</b>	<b>0.0</b>	<b>0.0</b>	<b>127.2</b>



Code	Source Category	Acetaldehyde	Benzene	1,3-Butadiene	Carbon tetrachloride	Chloroform	1,1-Dichloro-ethane	1,4-Dioxane	Ethylene dibromide	Ethylene dichloride	Ethylene oxide	Formaldehyde	Methyl ethyl ketone	Methylene chloride	MTBE	p-Dichlorobenzene
<b>Solvent Evaporation</b>																
510	Consumer Products	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50.5	6.9	2092.2	8075.5	0.0	4223.4
520	Architectural Coatings & Related Solvent	8.4	0.0	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	1.7	1119.1	493.7	0.0	0.0
530	Pesticides/Fertilizers	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
540	Asphalt Paving/Roofing	0.0	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	<b>Total</b>	<b>8.4</b>	<b>4.8</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>1.3</b>	<b>0.0</b>	<b>0.0</b>	<b>50.5</b>	<b>8.6</b>	<b>3211.4</b>	<b>8569.2</b>	<b>0.0</b>	<b>4223.4</b>
<b>Miscellaneous Processes</b>																
610	Residential Fuel Combustion	451.7	232.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	954.2	0.0	0.0	0.0	0.0
620	Farming Operations	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
630	Construction and Demolition	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
640	Paved Road Dust	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
645	Unpaved Road Dust	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
650	Fugitive Windblown Dust	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
660	Fires	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
670	Waste Burning and Disposal	0.0	0.0	213.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
680	Utility Equipment	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
690	Cooking	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
699	Other (Miscellaneous Processes)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	<b>Total</b>	<b>451.7</b>	<b>232.9</b>	<b>213.9</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>954.2</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>
<b>On-Road Motor Vehicles</b>																
710	Light Duty Passenger Auto (LDA)	948.0	7572.9	1556.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4270.0	111.3	0.0	26627.6	0.0
722	Light Duty Trucks 1 (T1)	283.1	2049.5	424.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1253.0	31.7	0.0	6663.2	0.0
723	Light Duty Trucks 2 (T2)	253.1	1961.4	416.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1151.0	29.0	0.0	5818.0	0.0
724	Medium Duty Trucks (T3)	143.4	1077.2	231.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	644.7	16.9	0.0	2957.9	0.0
732	Light Heavy Duty Gas Trucks 1 (T4)	36.6	344.0	71.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	153.7	6.4	0.0	1472.3	0.0
733	Light Heavy Duty Gas Trucks 2 (T5)	7.0	66.6	13.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29.5	0.9	0.0	281.7	0.0
734	Medium Heavy Duty Gas Trucks (T6)	51.3	425.3	101.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	210.6	10.4	0.0	1274.2	0.0
736	Heavy Heavy Duty Gas Trucks ((HHD)	47.7	399.3	93.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	222.3	7.3	0.0	810.5	0.0
742	Light Heavy Duty Diesel Trucks 1 (T4)	23.4	6.4	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	46.8	4.7	0.0	0.0	0.0
743	Light Heavy Duty Diesel Trucks 2 (T5)	33.1	9.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	66.2	6.7	0.0	0.0	0.0
744	Medium Heavy Duty Diesel Truck (T6)	199.7	54.3	5.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	399.6	40.1	0.0	0.0	0.0
746	Heavy Heavy Duty Diesel Trucks (HHD)	1323.3	360.1	34.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2647.9	265.8	0.0	0.0	0.0
750	Motorcycles (MCY)	55.6	321.7	69.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	235.3	5.6	0.0	909.2	0.0
760	Diesel Urban Buses (UB)	141.5	38.5	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	283.1	28.4	0.0	0.0	0.0
762	Gas Urban Buses (UB)	16.3	126.1	27.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	89.0	1.4	0.0	111.9	0.0
770	School Buses (SB)	25.9	23.5	4.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	59.0	4.9	0.0	23.4	0.0
780	Motor Homes (MH)	18.2	99.1	22.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	81.8	1.7	0.0	81.9	0.0
	<b>Total</b>	<b>3607.1</b>	<b>14934.7</b>	<b>3076.3</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>11843.5</b>	<b>573.2</b>	<b>0.0</b>	<b>47031.8</b>	<b>0.0</b>
<b>Other Mobile Sources</b>																
810	Aircraft	643.8	316.5	252.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2070.0	1.0	0.0	3.5	0.0
820	Trains	301.0	81.9	7.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	602.3	60.5	0.0	0.0	0.0
830	Ships and Commercial Boats	590.5	170.5	15.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1182.2	118.6	0.0	0.0	0.0
840	Recreational Boats	585.0	2548.7	608.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2356.5	51.1	0.0	2280.7	0.0
850	Off-Road Recreational Vehicles	60.3	286.3	66.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	251.0	4.8	0.0	595.8	0.0
860	Off-Road Equipment	3930.7	5905.8	1273.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10266.2	658.0	0.0	9772.6	0.0
870	Farm Equipment	181.4	61.1	7.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	368.8	36.1	0.0	18.1	0.0
890	Fuel Storage and Handling	0.0	667.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7708.2	0.0
895	Truck Stops	14.3	3.9	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28.6	2.9	0.0	0.0	0.0
	<b>Total</b>	<b>6307.0</b>	<b>10042.1</b>	<b>2231.7</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>17125.5</b>	<b>933.0</b>	<b>0.0</b>	<b>20378.9</b>	<b>0.0</b>

Code	Source Category	Acetaldehyde	Benzene	1,3-Butadiene	Carbon tetrachloride	Chloroform	1,1-Dichloro-ethane	1,4-Dioxane	Ethylene dibromide	Ethylene dichloride	Ethylene oxide	Formaldehyde	Methyl ethyl ketone	Methylene chloride	MTBE	p-Dichlorobenzene
AB2588 Sources		60.7	139.0	2.1	1.0	23.8	0.1	33.0	0.0	1.3	10.1	498.0	200.0	1050.0	53.9	3.1
Metal Plating & Finishing														0.0		
Stationary and Area Sources		808.5	1904.0	855.4	13.0	30.4	16.9	34.4	0.1	103.7	63.4	2959.8	11169.5	21962.5	5870.7	4354.6
On-Road Vehicles		3607.1	14934.7	3076.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11843.5	573.2	0.0	47031.8	0.0
Other Mobile		6307.0	10042.1	2231.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17125.5	933.0	0.0	20378.9	0.0
Anthropogenic		10722.6	26880.7	6163.3	13.0	30.4	16.9	34.4	0.1	103.7	63.4	31928.8	12675.6	21962.5	73281.3	4354.6

Table D-7 Continued

Code	Source Category	Perchloroethylene	Propylene oxide	Styrene	Toluene	Trichloroethylene	Vinyl chloride	Arsenic	Cadmium	Chromium	Diesel particulate	Hexavalent chromium	Lead	Nickel	Selenium
<b>Fuel Combustion</b>															
10	Electric Utilities	0.0	0.0	0.0	43.6	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.2	0.0
20	Cogeneration	0.0	0.0	0.0	22.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.0
30	Oil and Gas Production (Combustion)	0.0	0.0	0.0	33.5	0.0	0.0	0.9	0.1	1.2	22.5	0.2	1.1	0.2	0.2
40	Petroleum Refining (Combustion)	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50	Manufacturing and Industrial	0.0	0.0	1.2	96.5	0.0	0.0	1.7	0.6	6.4	1322.1	1.2	2.2	4.9	4.6
52	Food and Agricultural Processing	0.0	0.0	0.2	12.3	0.0	0.0	0.0	0.0	0.4	223.8	0.1	0.1	0.4	0.4
60	Service and Commercial	0.0	0.0	0.7	56.1	0.0	0.0	2.0	0.2	2.7	0.0	0.5	2.2	0.8	0.8
99	Other (Fuel Combustion)	0.0	0.0	0.0	20.4	0.0	0.0	0.7	0.1	0.7	0.0	0.1	0.8	0.1	0.1
	<b>Total</b>	<b>0.0</b>	<b>0.0</b>	<b>2.0</b>	<b>284.4</b>	<b>0.0</b>	<b>0.0</b>	<b>5.4</b>	<b>1.0</b>	<b>11.7</b>	<b>1568.4</b>	<b>2.1</b>	<b>6.2</b>	<b>6.7</b>	<b>6.0</b>
<b>Waste Disposal</b>															
110	Sewage Treatment	4.6	0.0	0.0	4.8	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120	Landfills	44.7	0.0	0.0	1098.7	26.6	33.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130	Incineration	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.7	0.0
199	Other (Waste Disposal)	1.7	0.0	0.0	56.5	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	<b>Total</b>	<b>51.0</b>	<b>0.0</b>	<b>0.0</b>	<b>1160.1</b>	<b>27.4</b>	<b>33.1</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>7.7</b>	<b>0.0</b>
<b>Cleaning and Surface Coatings</b>															
210	Laundering	18723.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
220	Degreasing	838.5	0.0	3.9	1394.9	769.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
230	Coatings and Related Processes	310.1	0.0	0.5	16557.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
240	Printing	0.0	0.0	0.0	17.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
250	Adhesives and Sealants	0.0	0.0	0.0	364.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
299	Other (Cleaning and Surface Coatings)	27.0	0.0	0.0	98.2	27.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	<b>Total</b>	<b>19898.7</b>	<b>0.0</b>	<b>4.4</b>	<b>18432.5</b>	<b>796.6</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>
<b>Petroleum Production and Marketing</b>															
310	Oil and Gas Production	0.0	0.0	0.1	108.8	0.0	0.1	0.2	0.0	0.0	0.0	0.0	0.3	0.0	0.0
320	Petroleum Refining	0.0	0.0	0.0	4.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
330	Petroleum Marketing	0.0	0.0	0.0	875.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
399	Other (Petroleum Production & Marketing)	0.0	0.0	0.0	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	<b>Total</b>	<b>0.0</b>	<b>0.0</b>	<b>0.1</b>	<b>990.0</b>	<b>0.0</b>	<b>0.1</b>	<b>0.2</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.3</b>	<b>0.0</b>	<b>0.0</b>
<b>Industrial Processes</b>															
410	Chemical	0.0	0.8	1480.1	1422.4	0.0	63.7	1.2	0.5	0.1	0.0	0.0	2.3	0.2	0.0
420	Food and Agriculture	0.0	0.0	0.0	289.5	0.0	0.0	0.1	0.0	1.5	0.0	0.1	0.0	0.9	0.0
430	Mineral Processes	0.0	0.0	1.1	53.3	0.0	0.0	0.4	1.3	9.6	0.0	0.1	2.1	11.5	1.1
440	Metal Processes	0.0	0.0	5.8	76.1	0.0	2.0	7.4	2.3	1.2	0.0	0.2	30.0	0.7	0.2
450	Wood and Paper	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.1	0.0
460	Glass and Related Products	0.0	0.0	0.0	8.6	0.0	0.0	2.6	0.0	0.7	0.0	0.1	0.7	0.1	4.9
470	Electronics	0.0	0.0	0.2	0.1	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.2	0.0	0.0
499	Other (Industrial Processes)	0.0	0.0	129.4	27.7	0.0	0.1	2.1	0.7	0.3	0.0	0.0	7.7	0.7	0.4
	<b>Total</b>	<b>0.0</b>	<b>0.8</b>	<b>1616.5</b>	<b>1877.5</b>	<b>0.0</b>	<b>65.9</b>	<b>13.9</b>	<b>4.8</b>	<b>13.5</b>	<b>0.0</b>	<b>0.6</b>	<b>43.1</b>	<b>14.0</b>	<b>6.6</b>

Code	Source Category	Perchloroethylene	Propylene oxide	Styrene	Toluene	Trichloroethylene	Vinyl chloride	Arsenic	Cadmium	Chromium	Diesel particulate	Hexavalent chromium	Lead	Nickel	Selenium
<b>Solvent Evaporation</b>															
510	Consumer Products	5135.1	0.0	13.9	10504.2	484.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
520	Architectural Coatings & Related Solvent	5.1	0.0	94.2	3664.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
530	Pesticides/Fertilizers	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
540	Asphalt Paving/Roofing	0.0	0.0	0.0	11.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	<b>Total</b>	<b>5140.1</b>	<b>0.0</b>	<b>108.1</b>	<b>14180.0</b>	<b>484.2</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>
<b>Miscellaneous Processes</b>															
610	Residential Fuel Combustion	0.0	0.0	0.0	259.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.2	0.0	0.0
620	Farming Operations	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.3	3.2	0.0	0.0	0.9	0.8	0.1
630	Construction and Demolition	0.0	0.0	0.0	0.0	0.0	0.0	2.8	3.4	36.6	0.0	0.0	90.9	9.6	0.3
640	Paved Road Dust	0.0	0.0	0.0	0.0	0.0	0.0	7.8	1.8	10.1	0.0	0.0	73.9	7.2	1.2
645	Unpaved Road Dust	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.6	0.0	0.0	4.5	1.3	0.1
650	Fugitive Windblown Dust	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.3	13.6	0.0	0.0	7.3	3.3	0.1
660	Fires	0.0	0.0	0.0	54.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
670	Waste Burning and Disposal	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	1.2	0.0	0.1
680	Utility Equipment	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
690	Cooking	0.0	0.0	0.0	243.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
699	Other (Miscellaneous Processes)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	<b>Total</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>557.5</b>	<b>0.0</b>	<b>0.0</b>	<b>13.0</b>	<b>7.3</b>	<b>64.2</b>	<b>0.0</b>	<b>0.0</b>	<b>178.9</b>	<b>22.2</b>	<b>1.9</b>
<b>On-Road Motor Vehicles</b>															
710	Light Duty Passenger Auto (LDA)	0.0	0.0	430.0	20436.5	0.0	0.0	0.1	0.0	9.1	342.0	0.5	0.8	6.3	0.2
722	Light Duty Trucks 1 (T1)	0.0	0.0	107.7	5335.6	0.0	0.0	0.0	0.0	1.9	112.0	0.1	0.2	1.4	0.0
723	Light Duty Trucks 2 (T2)	0.0	0.0	113.2	5167.2	0.0	0.0	0.0	0.0	3.1	78.0	0.2	0.2	2.3	0.1
724	Medium Duty Trucks (T3)	0.0	0.0	63.1	2819.2	0.0	0.0	0.0	0.0	1.2	70.0	0.1	0.1	0.9	0.0
732	Light Heavy Duty Gas Trucks 1 (T4)	0.0	0.0	20.2	1024.7	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.1	0.0
733	Light Heavy Duty Gas Trucks 2 (T5)	0.0	0.0	4.5	199.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
734	Medium Heavy Duty Gas Trucks (T6)	0.0	0.0	25.0	1217.6	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
736	Heavy Heavy Duty Gas Trucks ((HHD)	0.0	0.0	24.5	1061.2	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
742	Light Heavy Duty Diesel Trucks 1 (T4)	0.0	0.0	0.2	8.3	0.0	0.0	0.0	0.0	0.0	58.0	0.0	0.0	0.0	0.0
743	Light Heavy Duty Diesel Trucks 2 (T5)	0.0	0.0	0.3	11.7	0.0	0.0	0.0	0.0	0.0	92.0	0.0	0.0	0.0	0.0
744	Medium Heavy Duty Diesel Truck (T6)	0.0	0.0	1.6	70.7	0.0	0.0	0.0	0.2	0.2	2456.0	0.0	0.1	0.1	0.0
746	Heavy Heavy Duty Diesel Trucks (HHD)	0.0	0.0	10.4	468.4	0.0	0.0	0.0	0.5	0.4	8010.0	0.0	0.4	0.4	0.1
750	Motorcycles (MCY)	0.0	0.0	12.5	758.3	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.0
760	Diesel Urban Buses (UB)	0.0	0.0	1.1	50.1	0.0	0.0	0.0	0.0	0.0	636.0	0.0	0.0	0.0	0.0
762	Gas Urban Buses (UB)	0.0	0.0	5.9	279.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
770	School Buses (SB)	0.0	0.0	0.9	46.8	0.0	0.0	0.0	0.0	0.0	300.0	0.0	0.0	0.0	0.0
780	Motor Homes (MH)	0.0	0.0	4.1	207.5	0.0	0.0	0.0	0.0	0.0	28.0	0.0	0.0	0.0	0.0
	<b>Total</b>	<b>0.0</b>	<b>0.0</b>	<b>825.1</b>	<b>39162.7</b>	<b>0.0</b>	<b>0.0</b>	<b>0.1</b>	<b>0.8</b>	<b>16.4</b>	<b>12182.0</b>	<b>0.9</b>	<b>1.9</b>	<b>11.6</b>	<b>0.4</b>
<b>Other Mobile Sources</b>															
810	Aircraft	0.0	0.0	58.3	176.3	0.0	0.0	8.0	0.8	8.0	0.0	1.4	8.3	0.8	0.8
820	Trains	0.0	0.0	2.4	106.5	0.0	0.0	0.0	0.1	0.0	1997.3	0.0	0.1	0.0	0.0
830	Ships and Commercial Boats	0.0	0.0	4.7	218.7	0.0	0.0	0.0	0.4	0.1	6112.0	0.0	0.2	0.1	0.0
840	Recreational Boats	0.0	0.0	95.5	5077.3	0.0	0.0	0.0	0.0	2.3	53.6	0.4	0.0	2.3	0.0
850	Off-Road Recreational Vehicles	0.0	0.0	10.5	591.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.0
860	Off-Road Equipment	0.0	0.0	210.3	11531.8	0.0	0.0	0.1	1.4	2.8	21222.0	0.5	0.6	2.9	0.1
870	Farm Equipment	0.0	0.0	1.9	88.5	0.0	0.0	0.0	0.1	0.0	1170.8	0.0	0.0	0.0	0.0
890	Fuel Storage and Handling	0.0	0.0	0.0	4610.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
895	Truck Stops	0.0	0.0	0.1	5.1	0.0	0.0	0.0	0.0	0.0	38.9	0.0	0.0	0.0	0.0
	<b>Total</b>	<b>0.0</b>	<b>0.0</b>	<b>383.6</b>	<b>22405.2</b>	<b>0.0</b>	<b>0.0</b>	<b>8.1</b>	<b>2.8</b>	<b>13.3</b>	<b>30594.6</b>	<b>2.3</b>	<b>9.2</b>	<b>6.3</b>	<b>0.9</b>

Code	Source Category	Perchloroethylene	Propylene oxide	Styrene	Toluene	Trichloroethylene	Vinyl chloride	Arsenic	Cadmium	Chromium	Diesel particulate	Hexavalent chromium	Lead	Nickel	Selenium
	AB2588 Sources	571.0	16.1	1390.0	1590.0	39.8	4.4	0.6	0.2	0.0	82.2	0.3	12.0	14.5	2.5
	Metal Plating & Finishing	0.5				0.0		0.0	0.4	0.0		0.2	0.0	1.8	0.0
	Stationary and Area Sources	25661.3	16.9	3121.2	39072.0	1348.0	103.4	33.1	13.8	89.4	1650.6	3.1	240.5	66.9	16.9
	On-Road Vehicles	0.0	0.0	825.1	39162.7	0.0	0.0	0.1	0.8	16.4	12182.0	0.9	1.9	11.6	0.4
	Other Mobile	0.0	0.0	383.6	22405.2	0.0	0.0	8.1	2.8	13.3	30594.6	2.3	9.2	6.3	0.9
	Anthropogenic	25661.3	16.9	4329.9	100639.9	1348.0	103.4	41.3	17.4	119.1	44427.2	6.4	251.6	84.8	18.2

**Table D-8**  
**2010 Toxics Emission Inventory for the South Coast Air Basin (Updated Inventory)**  
**Emissions (lb/day)**

Code	Source Category	Acetaldehyde	Benzene	1,3-Butadiene	Carbon tetrachloride	Chloroform	1,1-Dichloroethane	1,4-Dioxane	Ethylene dibromide	Ethylene dichloride	Ethylene oxide	Formaldehyde	Methyl ethyl ketone	Methylene chloride	MTBE	p-Dichlorobenzene
<b>Fuel Combustion</b>																
10	Electric Utilities	4.3	95.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	264.3	0.1	0.0	0.0	0.0
20	Cogeneration	1.6	5.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42.0	0.0	0.0	0.0	0.0
30	Oil and Gas Production (Combustion)	4.9	66.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	156.5	0.8	0.0	0.0	0.0
40	Petroleum Refining (Combustion)	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0
50	Manufacturing and Industrial	153.5	154.7	4.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	621.3	29.8	0.0	0.0	0.0
52	Food and Agricultural Processing	17.4	16.4	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	59.3	3.5	0.0	0.0	0.0
60	Service and Commercial	47.1	86.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	297.3	8.5	0.0	0.0	0.0
99	Other (Fuel Combustion)	0.7	2.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.6	0.1	0.0	0.0	0.0
	<b>Total</b>	<b>229.4</b>	<b>426.8</b>	<b>8.4</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>1452.6</b>	<b>42.7</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>
<b>Waste Disposal</b>																
110	Sewage Treatment	0.1	0.3	0.0	0.0	4.6	0.0	0.0	0.0	0.0	0.0	0.5	0.0	7.0	0.0	0.7
120	Landfills	0.0	68.8	0.0	0.0	0.0	18.6	0.0	0.0	3.0	0.0	20.6	40.5	96.8	0.0	0.0
130	Incineration	0.0	28.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0
199	Other (Waste Disposal)	0.0	0.1	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	3.0	0.0	0.3
	<b>Total</b>	<b>0.1</b>	<b>97.5</b>	<b>0.0</b>	<b>0.1</b>	<b>6.5</b>	<b>18.6</b>	<b>0.0</b>	<b>0.0</b>	<b>3.1</b>	<b>0.0</b>	<b>22.3</b>	<b>40.5</b>	<b>106.9</b>	<b>0.0</b>	<b>1.0</b>
<b>Cleaning and Surface Coatings</b>																
210	Laundering	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
220	Degreasing	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1040.8	10451.6	0.0	0.0
230	Coatings and Related Processes	0.0	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1380.8	75.9	0.0	0.0
240	Printing	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	582.6	0.0	0.0	0.0
250	Adhesives and Sealants	0.0	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1072.3	32.9	0.0	0.0
299	Other (Cleaning and Surface Coatings)	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0
	<b>Total</b>	<b>0.0</b>	<b>6.1</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.3</b>	<b>4076.4</b>	<b>10560.4</b>	<b>0.0</b>	<b>0.0</b>
<b>Petroleum Production and Marketing</b>																
310	Oil and Gas Production	0.1	123.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.7	0.1	0.0	0.0	0.1
320	Petroleum Refining	0.0	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0	0.0	0.0
330	Petroleum Marketing	0.0	246.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
399	Other (Petroleum Production & Marketing)	0.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	<b>Total</b>	<b>0.1</b>	<b>374.2</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.1</b>	<b>0.0</b>	<b>7.7</b>	<b>0.1</b>	<b>0.0</b>	<b>0.0</b>	<b>0.1</b>
<b>Industrial Processes</b>																
410	Chemical	43.3	251.3	305.2	7.0	0.9	0.0	0.0	0.0	58.7	1.6	21.1	48.4	0.0	0.0	75.0
420	Food and Agriculture	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
430	Mineral Processes	0.0	203.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	110.7	0.0	0.0	0.0	0.0
440	Metal Processes	3.4	19.5	1.7	0.6	0.1	0.0	0.0	0.0	4.6	0.1	5.0	3.5	0.0	0.0	5.9
450	Wood and Paper	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
460	Glass and Related Products	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
470	Electronics	0.1	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.1	0.0	0.0	0.1
499	Other (Industrial Processes)	0.2	1.9	0.1	0.0	0.0	0.0	0.0	0.0	0.2	0.0	2.4	0.2	0.0	0.0	0.3
	<b>Total</b>	<b>46.9</b>	<b>476.3</b>	<b>307.0</b>	<b>7.6</b>	<b>1.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>63.6</b>	<b>1.8</b>	<b>139.2</b>	<b>52.1</b>	<b>0.0</b>	<b>0.0</b>	<b>81.2</b>

Code	Source Category	Acetaldehyde	Benzene	1,3-Butadiene	Carbon tetrachloride	Chloroform	1,1-Dichloroethane	1,4-Dioxane	Ethylene dibromide	Ethylene dichloride	Ethylene oxide	Formaldehyde	Methyl ethyl ketone	Methylene chloride	MTBE	p-Dichlorobenzene
<b>Solvent Evaporation</b>																
510	Consumer Products	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.3	2.1	589.3	2182.6	0.0	1280.5
520	Architectural Coatings & Related Solvent	2.6	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.5	351.7	154.8	0.0	0.0
530	Pesticides/Fertilizers	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
540	Asphalt Paving/Roofing	0.0	5.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	<b>Total</b>	<b>2.6</b>	<b>5.5</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.4</b>	<b>0.0</b>	<b>0.0</b>	<b>15.3</b>	<b>2.6</b>	<b>941.0</b>	<b>2337.4</b>	<b>0.0</b>	<b>1280.5</b>
<b>Miscellaneous Processes</b>																
610	Residential Fuel Combustion	504.6	252.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1050.1	0.0	0.0	0.0	0.0
620	Farming Operations	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
630	Construction and Demolition	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
640	Paved Road Dust	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
645	Unpaved Road Dust	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
650	Fugitive Windblown Dust	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
660	Fires	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
670	Waste Burning and Disposal	0.0	0.0	213.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
680	Utility Equipment	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
690	Cooking	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
699	Other (Miscellaneous Processes)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	<b>Total</b>	<b>504.6</b>	<b>252.3</b>	<b>213.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>1050.1</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>
<b>On-Road Motor Vehicles</b>																
710	Light Duty Passenger Auto (LDA)	125.6	1066.3	209.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	502.3	16.6	0.0	0.0	0.0
722	Light Duty Trucks 1 (T1)	39.2	338.0	61.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	160.1	4.9	0.0	0.0	0.0
723	Light Duty Trucks 2 (T2)	43.6	374.7	71.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	176.9	5.6	0.0	0.0	0.0
724	Medium Duty Trucks (T3)	32.3	255.3	51.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	128.4	4.3	0.0	0.0	0.0
732	Light Heavy Duty Gas Trucks 1 (T4)	8.3	73.7	13.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28.3	1.2	0.0	0.0	0.0
733	Light Heavy Duty Gas Trucks 2 (T5)	2.2	24.0	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.6	0.4	0.0	0.0	0.0
734	Medium Heavy Duty Gas Trucks (T6)	15.0	104.0	21.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50.8	1.9	0.0	0.0	0.0
736	Heavy Heavy Duty Gas Trucks ((HHD)	12.1	91.7	19.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45.7	1.6	0.0	0.0	0.0
742	Light Heavy Duty Diesel Trucks 1 (T4)	14.4	3.9	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28.9	2.9	0.0	0.0	0.0
743	Light Heavy Duty Diesel Trucks 2 (T5)	14.3	3.9	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28.5	2.9	0.0	0.0	0.0
744	Medium Heavy Duty Diesel Truck (T6)	23.1	6.3	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	46.3	4.7	0.0	0.0	0.0
746	Heavy Heavy Duty Diesel Trucks (HHD)	247.5	67.4	6.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	495.3	49.7	0.0	0.0	0.0
750	Motorcycles (MCY)	16.0	106.6	24.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	72.2	1.4	0.0	0.0	0.0
760	Diesel Urban Buses (UB)	14.1	3.8	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28.3	2.8	0.0	0.0	0.0
762	Gas Urban Buses (UB)	5.1	40.5	9.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26.3	0.4	0.0	0.0	0.0
770	School Buses (SB)	3.9	4.5	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.2	0.7	0.0	0.0	0.0
780	Motor Homes (MH)	2.2	15.4	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.7	0.2	0.0	0.0	0.0
	<b>Total</b>	<b>619.0</b>	<b>2579.8</b>	<b>499.4</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>1845.6</b>	<b>102.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>
<b>Other Mobile Sources</b>																
810	Aircraft	465.7	243.7	184.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1493.8	1.0	0.0	3.6	0.0
820	Trains	276.3	75.2	7.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	552.8	55.5	0.0	0.0	0.0
830	Ships and Commercial Boats	397.3	110.6	10.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	795.2	79.8	0.0	0.0	0.0
840	Recreational Boats	90.4	481.5	114.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	386.6	9.0	0.0	0.0	0.0
850	Off-Road Recreational Vehicles	18.8	124.3	28.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	89.8	1.4	0.0	0.0	0.0
860	Off-Road Equipment	770.8	1380.1	281.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2050.0	133.2	0.0	0.0	0.0
870	Farm Equipment	109.5	32.9	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	220.5	21.9	0.0	0.0	0.0
890	Fuel Storage and Handling	0.0	83.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
895	Truck Stops	0.8	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.2	0.0	0.0	0.0
	<b>Total</b>	<b>2129.6</b>	<b>2531.5</b>	<b>630.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>5590.4</b>	<b>302.0</b>	<b>0.0</b>	<b>3.6</b>	<b>0.0</b>

Code	Source Category	Acetaldehyde	Benzene	1,3-Butadiene	Carbon tetrachloride	Chloroform	1,1-Dichloroethane	1,4-Dioxane	Ethylene dibromide	Ethylene dichloride	Ethylene oxide	Formaldehyde	Methyl ethyl ketone	Methylene chloride	MTBE	p-Dichlorobenzene
AB2588 Sources		77.7	172.0	3.3	1.6	28.0	0.1	50.7	0.4	14.2	12.3	627.0	281.0	1600.0	172.0	3.5
Metal Plating & Finishing														0.0		
Stationary and Area Sources		861.4	1810.7	531.6	9.2	35.6	18.7	51.2	0.4	80.9	29.4	3301.9	5433.8	14604.6	172.0	1366.3
On-Road Vehicles		619.0	2579.8	499.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1845.6	102.0	0.0	0.0	0.0
Other Mobile		2129.6	2531.5	630.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5590.4	302.0	0.0	3.6	0.0
Anthropogenic		3610.0	6922.0	1661.1	9.2	35.6	18.7	51.2	0.4	80.9	29.4	10737.9	5837.8	14604.6	175.6	1366.3



Table D-8 Continued

Code	Source Category	Perchloroethylene	Propylene oxide	Styrene	Toluene	Trichloroethylene	Vinyl chloride	Arsenic	Cadmium	Chromium	Diesel particulate	Hexavalent chromium	Lead	Nickel	Selenium
<b>Fuel Combustion</b>															
10	Electric Utilities	0.0	0.0	0.0	51.3	0.0	0.0	0.0	0.0	0.3	0.0	0.1	0.0	0.2	0.0
20	Cogeneration	0.0	0.0	0.0	22.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.0
30	Oil and Gas Production (Combustion)	0.0	0.0	0.0	33.5	0.0	0.0	0.8	0.1	1.1	3.1	0.2	1.0	0.2	0.2
40	Petroleum Refining (Combustion)	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50	Manufacturing and Industrial	0.0	0.0	1.2	107.5	0.0	0.0	1.8	0.7	7.5	183.6	1.3	2.4	5.8	5.5
52	Food and Agricultural Processing	0.0	0.0	0.2	12.4	0.0	0.0	0.0	0.0	0.5	27.8	0.1	0.1	0.5	0.5
60	Service and Commercial	0.0	0.0	0.7	62.5	0.0	0.0	2.2	0.3	3.0	0.0	0.5	2.3	1.0	0.9
99	Other (Fuel Combustion)	0.0	0.0	0.0	23.4	0.0	0.0	0.7	0.1	0.7	0.0	0.1	0.7	0.1	0.1
	<b>Total</b>	<b>0.0</b>	<b>0.0</b>	<b>2.2</b>	<b>312.6</b>	<b>0.0</b>	<b>0.0</b>	<b>5.5</b>	<b>1.1</b>	<b>12.9</b>	<b>214.5</b>	<b>2.3</b>	<b>6.5</b>	<b>7.8</b>	<b>7.1</b>
<b>Waste Disposal</b>															
110	Sewage Treatment	5.7	0.0	0.0	6.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120	Landfills	49.3	0.0	0.0	1211.8	29.4	36.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130	Incineration	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.9	0.0
199	Other (Waste Disposal)	2.5	0.0	0.0	64.1	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	<b>Total</b>	<b>57.4</b>	<b>0.0</b>	<b>0.0</b>	<b>1281.8</b>	<b>30.4</b>	<b>36.5</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>8.9</b>	<b>0.0</b>
<b>Cleaning and Surface Coatings</b>															
210	Laundering	9621.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
220	Degreasing	326.6	0.0	1.9	581.9	206.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
230	Coatings and Related Processes	213.6	0.0	0.3	10576.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
240	Printing	0.0	0.0	0.0	9.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
250	Adhesives and Sealants	0.0	0.0	0.0	328.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
299	Other (Cleaning and Surface Coatings)	28.3	0.0	0.0	27.5	28.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	<b>Total</b>	<b>10190.4</b>	<b>0.0</b>	<b>2.2</b>	<b>11524.2</b>	<b>235.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>
<b>Petroleum Production and Marketing</b>															
310	Oil and Gas Production	0.0	0.0	0.1	68.5	0.0	0.1	0.2	0.0	0.0	0.0	0.0	0.3	0.0	0.0
320	Petroleum Refining	0.0	0.0	0.0	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
330	Petroleum Marketing	0.0	0.0	0.0	498.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
399	Other (Petroleum Production & Marketing)	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	<b>Total</b>	<b>0.0</b>	<b>0.0</b>	<b>0.1</b>	<b>570.5</b>	<b>0.0</b>	<b>0.1</b>	<b>0.2</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.3</b>	<b>0.0</b>	<b>0.0</b>
<b>Industrial Processes</b>															
410	Chemical	0.0	0.5	731.5	569.9	0.0	38.5	1.5	0.6	0.2	0.0	0.0	2.9	0.2	0.0
420	Food and Agriculture	0.0	0.0	0.0	53.4	0.0	0.0	0.1	0.0	1.7	0.0	0.2	0.0	1.0	0.0
430	Mineral Processes	0.0	0.0	1.3	60.9	0.0	0.0	0.5	1.4	10.9	0.0	0.1	2.3	12.6	1.1
440	Metal Processes	0.0	0.0	8.3	74.6	0.0	2.9	9.9	3.1	1.6	0.0	0.2	37.3	0.9	0.2
450	Wood and Paper	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.1	0.0
460	Glass and Related Products	0.0	0.0	0.0	9.8	0.0	0.0	3.0	0.0	0.8	0.0	0.1	0.8	0.1	5.6
470	Electronics	0.0	0.0	0.2	0.1	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.3	0.0	0.0
499	Other (Industrial Processes)	0.0	0.0	85.4	20.1	0.0	0.1	2.7	0.9	0.5	0.0	0.1	10.6	0.9	0.5
	<b>Total</b>	<b>0.0</b>	<b>0.5</b>	<b>826.7</b>	<b>788.8</b>	<b>0.0</b>	<b>41.6</b>	<b>17.7</b>	<b>5.9</b>	<b>15.7</b>	<b>0.0</b>	<b>0.7</b>	<b>54.2</b>	<b>15.7</b>	<b>7.5</b>

Code	Source Category	Perchloroethylene	Propylene oxide	Styrene	Toluene	Trichloroethylene	Vinyl chloride	Arsenic	Cadmium	Chromium	Diesel particulate	Hexavalent chromium	Lead	Nickel	Selenium
<b>Solvent Evaporation</b>															
510	Consumer Products	1368.0	0.0	3.6	2664.6	126.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
520	Architectural Coatings & Related Solvent	1.6	0.0	30.9	1428.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
530	Pesticides/Fertilizers	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
540	Asphalt Paving/Roofing	0.0	0.0	0.0	13.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	<b>Total</b>	<b>1369.5</b>	<b>0.0</b>	<b>34.5</b>	<b>4106.6</b>	<b>126.1</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>
<b>Miscellaneous Processes</b>															
610	Residential Fuel Combustion	0.0	0.0	0.0	285.4	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.3	0.0	0.0
620	Farming Operations	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	3.0	0.0	0.0	0.9	0.8	0.1
630	Construction and Demolition	0.0	0.0	0.0	0.0	0.0	0.0	3.3	4.1	43.5	0.0	0.0	108.1	11.5	0.4
640	Paved Road Dust	0.0	0.0	0.0	0.0	0.0	0.0	7.8	1.8	10.2	0.0	0.0	74.4	7.2	1.2
645	Unpaved Road Dust	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.5	0.0	0.0	3.8	1.1	0.1
650	Fugitive Windblown Dust	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.3	13.1	0.0	0.0	6.6	3.2	0.1
660	Fires	0.0	0.0	0.0	58.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
670	Waste Burning and Disposal	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	1.2	0.0	0.1
680	Utility Equipment	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
690	Cooking	0.0	0.0	0.0	250.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
699	Other (Miscellaneous Processes)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	<b>Total</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>594.3</b>	<b>0.0</b>	<b>0.0</b>	<b>13.4</b>	<b>7.9</b>	<b>70.4</b>	<b>0.0</b>	<b>0.0</b>	<b>195.2</b>	<b>23.7</b>	<b>2.0</b>
<b>On-Road Motor Vehicles</b>															
710	Light Duty Passenger Auto (LDA)	0.0	0.0	46.1	3108.2	0.0	0.0	0.1	0.0	10.0	103.3	0.5	0.9	7.0	0.2
722	Light Duty Trucks 1 (T1)	0.0	0.0	13.3	1009.2	0.0	0.0	0.0	0.0	2.2	49.7	0.1	0.2	1.5	0.0
723	Light Duty Trucks 2 (T2)	0.0	0.0	15.8	1112.3	0.0	0.0	0.0	0.0	3.6	45.7	0.3	0.2	2.8	0.1
724	Medium Duty Trucks (T3)	0.0	0.0	11.3	739.1	0.0	0.0	0.0	0.0	1.5	48.0	0.1	0.1	1.1	0.0
732	Light Heavy Duty Gas Trucks 1 (T4)	0.0	0.0	2.9	248.3	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.1	0.0
733	Light Heavy Duty Gas Trucks 2 (T5)	0.0	0.0	0.9	85.8	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
734	Medium Heavy Duty Gas Trucks (T6)	0.0	0.0	4.3	316.8	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
736	Heavy Heavy Duty Gas Trucks ((HHD)	0.0	0.0	4.2	269.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
742	Light Heavy Duty Diesel Trucks 1 (T4)	0.0	0.0	0.1	5.1	0.0	0.0	0.0	0.0	0.0	72.0	0.0	0.0	0.0	0.0
743	Light Heavy Duty Diesel Trucks 2 (T5)	0.0	0.0	0.1	5.1	0.0	0.0	0.0	0.0	0.0	76.0	0.0	0.0	0.0	0.0
744	Medium Heavy Duty Diesel Truck (T6)	0.0	0.0	0.2	8.2	0.0	0.0	0.0	0.1	0.2	1135.8	0.0	0.1	0.1	0.0
746	Heavy Heavy Duty Diesel Trucks (HHD)	0.0	0.0	2.0	87.6	0.0	0.0	0.2	0.5	2986.6	0.0	0.3	0.4	0.4	0.0
750	Motorcycles (MCY)	0.0	0.0	4.6	254.8	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.0
760	Diesel Urban Buses (UB)	0.0	0.0	0.1	5.0	0.0	0.0	0.0	0.0	0.0	277.2	0.0	0.0	0.0	0.0
762	Gas Urban Buses (UB)	0.0	0.0	2.0	96.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
770	School Buses (SB)	0.0	0.0	0.2	10.1	0.0	0.0	0.0	0.0	0.0	166.7	0.0	0.0	0.0	0.0
780	Motor Homes (MH)	0.0	0.0	0.7	35.6	0.0	0.0	0.0	0.0	0.1	17.7	0.0	0.0	0.0	0.0
	<b>Total</b>	<b>0.0</b>	<b>0.0</b>	<b>108.6</b>	<b>7396.6</b>	<b>0.0</b>	<b>0.0</b>	<b>0.1</b>	<b>0.3</b>	<b>18.6</b>	<b>4978.6</b>	<b>1.1</b>	<b>1.8</b>	<b>13.3</b>	<b>0.4</b>
<b>Other Mobile Sources</b>															
810	Aircraft	0.0	0.0	43.2	159.4	0.0	0.0	5.6	0.5	5.6	0.0	1.0	5.8	0.5	0.5
820	Trains	0.0	0.0	2.2	97.8	0.0	0.0	0.0	0.1	0.0	1824.6	0.0	0.1	0.0	0.0
830	Ships and Commercial Boats	0.0	0.0	3.1	143.1	0.0	0.0	0.0	0.3	0.0	4487.1	0.0	0.1	0.1	0.0
840	Recreational Boats	0.0	0.0	20.8	1048.6	0.0	0.0	0.0	0.0	3.6	62.2	0.7	0.0	3.6	0.0
850	Off-Road Recreational Vehicles	0.0	0.0	5.3	269.7	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.0
860	Off-Road Equipment	0.0	0.0	53.0	2797.0	0.0	0.0	0.1	0.8	2.6	12012.3	0.4	0.4	2.6	0.1
870	Farm Equipment	0.0	0.0	1.0	45.5	0.0	0.0	0.0	0.1	0.0	732.0	0.0	0.0	0.0	0.0
890	Fuel Storage and Handling	0.0	0.0	0.0	401.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
895	Truck Stops	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	2.2	0.0	0.0	0.0	0.0
	<b>Total</b>	<b>0.0</b>	<b>0.0</b>	<b>128.6</b>	<b>4962.6</b>	<b>0.0</b>	<b>0.0</b>	<b>5.6</b>	<b>1.8</b>	<b>11.9</b>	<b>19120.4</b>	<b>2.1</b>	<b>6.3</b>	<b>7.0</b>	<b>0.6</b>

Code	Source Category	Perchloroethylene	Propylene oxide	Styrene	Toluene	Trichloroethylene	Vinyl chloride	Arsenic	Cadmium	Chromium	Diesel particulate	Hexavalent chromium	Lead	Nickel	Selenium
	AB2588 Sources	1090.0	23.5	2050.0	2340.0	56.0	5.2	1.0	0.3	0.0	14.6	0.4	23.7	17.8	6.1
	Metal Plating & Finishing	0.5				0.0		0.0	0.5	0.0		0.0	0.0	2.0	0.0
	Stationary and Area Sources	12707.8	24.0	2915.7	21518.7	447.5	83.3	37.8	15.7	99.0	229.1	3.4	279.9	75.9	22.6
	On-Road Vehicles	0.0	0.0	108.6	7396.6	0.0	0.0	0.1	0.3	18.6	4978.6	1.1	1.8	13.3	0.4
	Other Mobile	0.0	0.0	128.6	4962.6	0.0	0.0	5.6	1.8	11.9	19120.4	2.1	6.3	7.0	0.6
	Anthropogenic	12707.8	24.0	3152.9	33878.0	447.5	83.3	43.6	17.8	129.6	25626.1	6.6	288.0	96.2	23.6