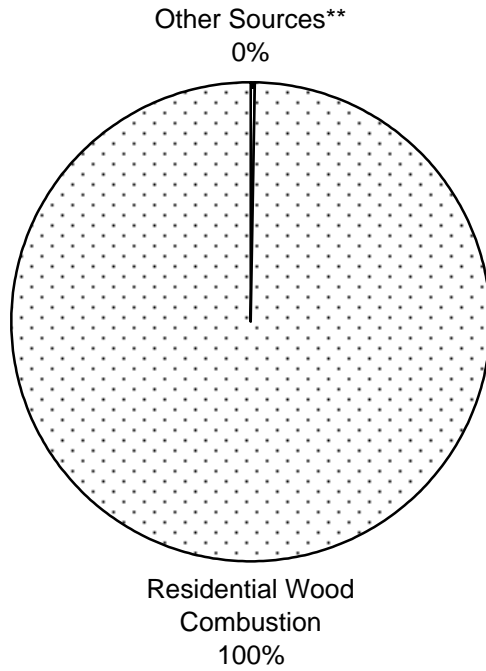


Figure: 2-1

ACENAPHTHENE
1998 Estimated Emissions* by Source Category for
Point, Area, and Mobile Sources



SIC	DESCRIPTION	EMISSIONS (LB)	IL	IN	MI	MN	NY	OH	ON	PA	WI
-----	Other Sources**	105.62	X	X	X	X		X	X		X
-----	Residential Wood Combustion	60,849.55	X	X	X	X		X	X		X

Total Estimated Emissions: 60,955 lbs.

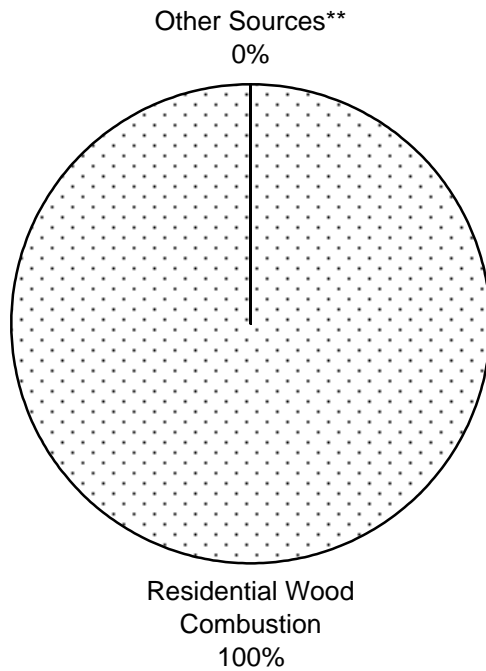
* Each jurisdiction estimated emissions for those sources for which they had data available.

** Other Sources: Individually less than five percent of the total.

(X) Denotes jurisdictions that have contributed emissions data for this pollutant.

Figure: 2-2

ACENAPHTHYLENE
1998 Estimated Emissions* by Source Category for
Point, Area, and Mobile Sources



SIC	DESCRIPTION	EMISSIONS (LB)	IL	IN	MI	MN	NY	OH	ON	PA	WI
-----	Other Sources**	582.90	X	X	X	X		X	X		X
-----	Residential Wood Combustion	760,300.01	X	X	X	X		X	X		X

Total Estimated Emissions: 760,883 lbs.

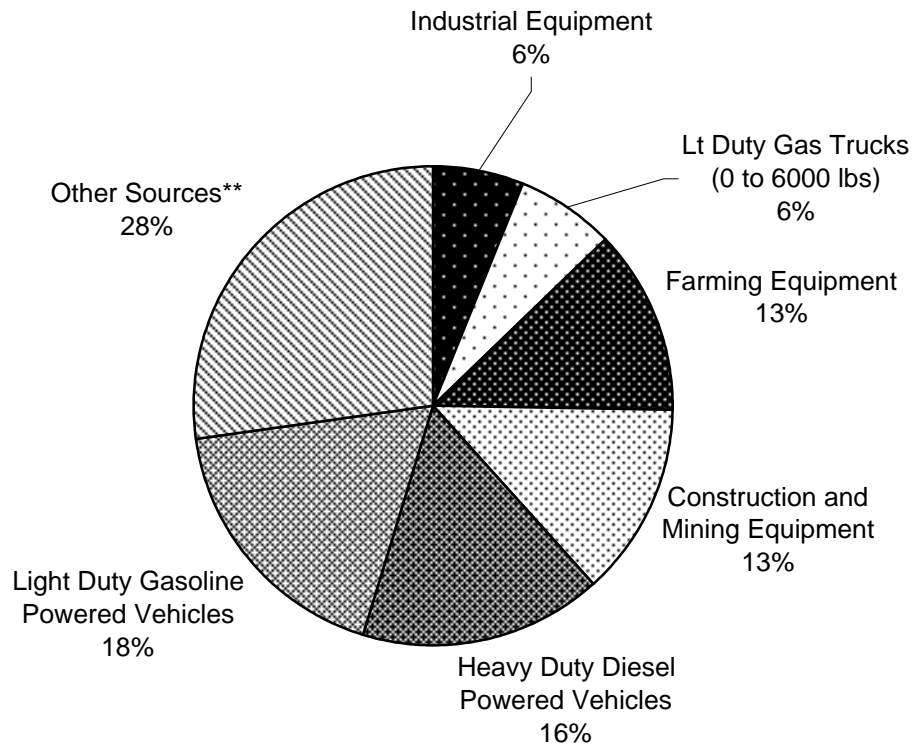
* Each jurisdiction estimated emissions for those sources for which they had data available.

** Other Sources: Individually less than five percent of the total.

(X) Denotes jurisdictions that have contributed emissions data for this pollutant.

Figure: 2-3

ACETALDEHYDE 1998 Estimated Emissions* by Source Category for Point, Area, and Mobile Sources



SIC	DESCRIPTION	EMISSIONS (LB)	IL	IN	MI	MN	NY	OH	ON	PA	WI
-----	Industrial Equipment	2,173,674.46	X	X	X	X	X	X	X		X
-----	Lt Duty Gas Trucks (0 to 6000 lbs)	2,249,649.83	X	X	X	X	X	X		X	X
-----	Farming Equipment	4,375,933.62	X	X	X	X	X	X	X		X
-----	Construction and Mining Equipment	4,545,067.96	X	X	X	X	X	X	X		X
-----	Heavy Duty Diesel Powered Vehicles	5,647,081.31	X	X	X	X	X	X	X	X	X
-----	Light Duty Gasoline Powered Vehicles	6,313,131.80	X	X	X	X	X	X	X	X	X
-----	Other Sources**	9,477,827.60	X	X	X	X	X	X	X	X	X

Total Estimated Emissions: 34,782,367 lbs.

* Each jurisdiction estimated emissions for those sources for which they had data available.

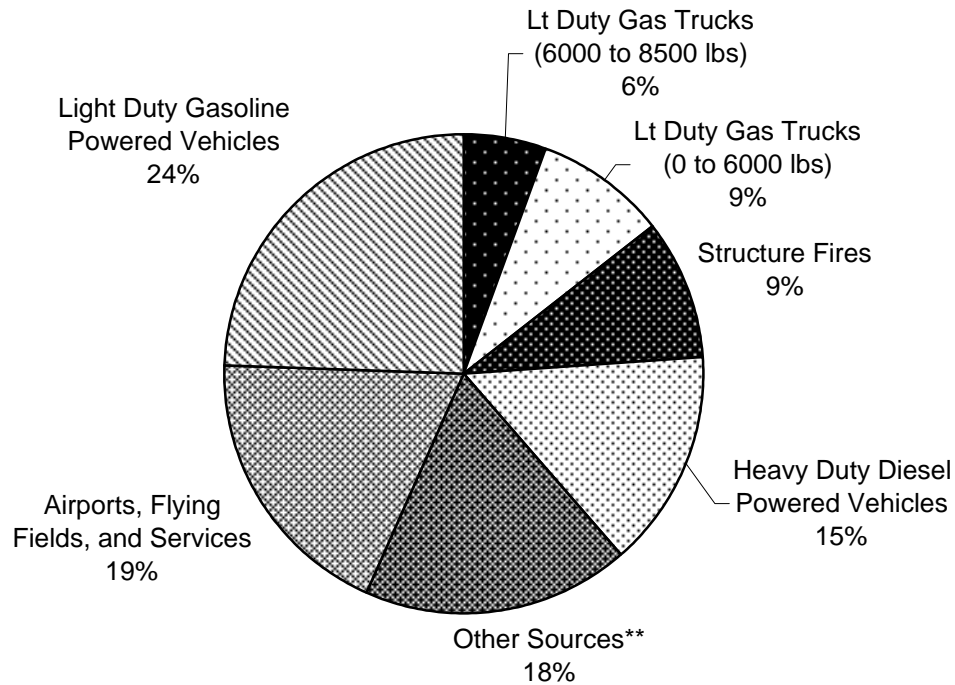
** Other Sources: Individually less than five percent of the total.

(X) Denotes jurisdictions that have contributed emissions data for this pollutant.

Figure: 2-4

ACROLEIN

1998 Estimated Emissions* by Source Category for Point, Area, and Mobile Sources



SIC	DESCRIPTION	EMISSIONS (LB)	IL	IN	MI	MN	NY	OH	ON	PA	WI
-----	Lt Duty Gas Trucks (6000 to 8500 lbs)	226,197.99	X	X	X	X	X	X		X	X
-----	Lt Duty Gas Trucks (0 to 6000 lbs)	363,863.08	X	X	X	X	X	X		X	X
-----	Structure Fires	382,472.24	X			X	X				
-----	Heavy Duty Diesel Powered Vehicles	597,544.69	X	X	X	X	X	X	X	X	X
-----	Other Sources**	732,917.74	X	X	X	X	X	X	X	X	X
4581	Airports, Flying Fields, and Services	763,490.45	X	X	X	X	X	X	X		X
-----	Light Duty Gasoline Powered Vehicles	997,226.92	X	X	X	X	X	X	X	X	X

Total Estimated Emissions: 4,063,713 lbs.

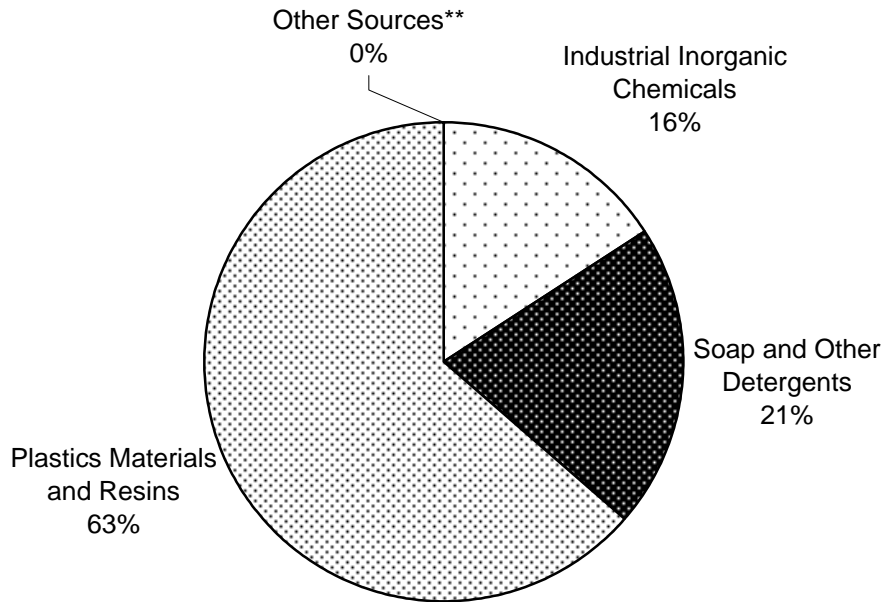
* Each jurisdiction estimated emissions for those sources for which they had data available.

** Other Sources: Individually less than five percent of the total.

(X) Denotes jurisdictions that have contributed emissions data for this pollutant.

Figure: 2-5

ACRYLAMIDE
1998 Estimated Emissions* by Source Category for
Point, Area, and Mobile Sources



SIC	DESCRIPTION	EMISSIONS (LB)	IL	IN	MI	MN	NY	OH	ON	PA	WI
-----	Other Sources**	0.00									X
2819	Industrial Inorganic Chemicals	221.00							X		
2841	Soap and Other Detergents	287.00							X		
2821	Plastics Materials and Resins	891.00	X					X			

Total Estimated Emissions: 1,399 lbs.

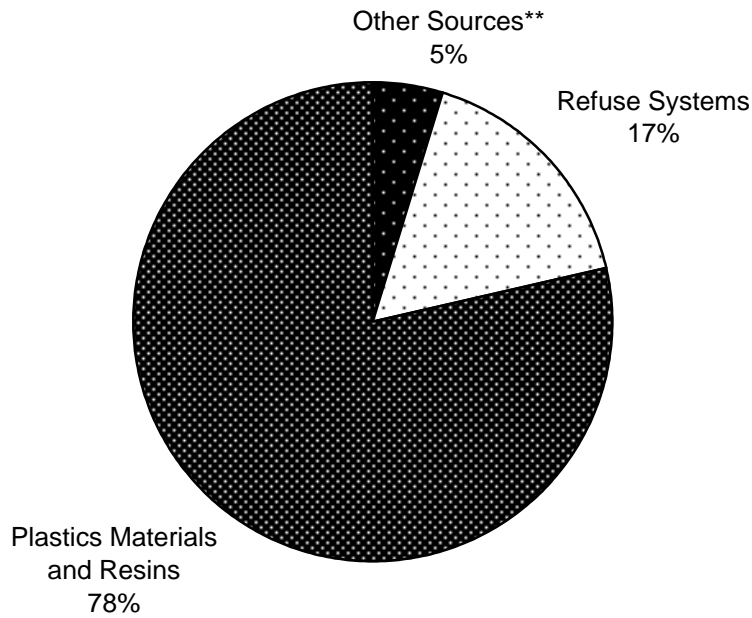
* Each jurisdiction estimated emissions for those sources for which they had data available.

** Other Sources: Individually less than five percent of the total.

(X) Denotes jurisdictions that have contributed emissions data for this pollutant.

Figure: 2-6

ACRYLONITRILE 1998 Estimated Emissions* by Source Category for Point, Area, and Mobile Sources



SIC	DESCRIPTION	EMISSIONS (LB)	IL	IN	MI	MN	NY	OH	ON	PA	WI
-----	Other Sources**	23,716.40	X	X	X	X			X	X	X
4953	Refuse Systems	83,985.04	X	X		X	X	X			X
2821	Plastics Materials and Resins	398,138.00	X	X							

Total Estimated Emissions: 505,839 lbs.

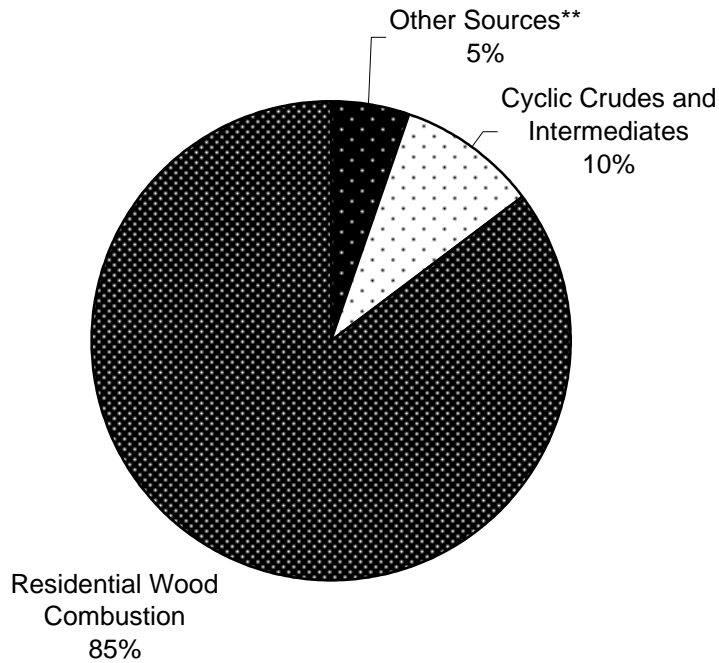
* Each jurisdiction estimated emissions for those sources for which they had data available.

** Other Sources: Individually less than five percent of the total.

(X) Denotes jurisdictions that have contributed emissions data for this pollutant.

Figure: 2-7

ANTHRACENE 1998 Estimated Emissions* by Source Category for Point, Area, and Mobile Sources



SIC	DESCRIPTION	EMISSIONS (LB)	IL	IN	MI	MN	NY	OH	ON	PA	WI
-----	Other Sources**	4,691.25	X	X	X	X	X	X	X		X
2865	Cyclic Crudes and Intermediates	8,490.01	X					X			
-----	Residential Wood Combustion	75,587.64	X	X	X	X		X	X		X

Total Estimated Emissions: 88,769 lbs.

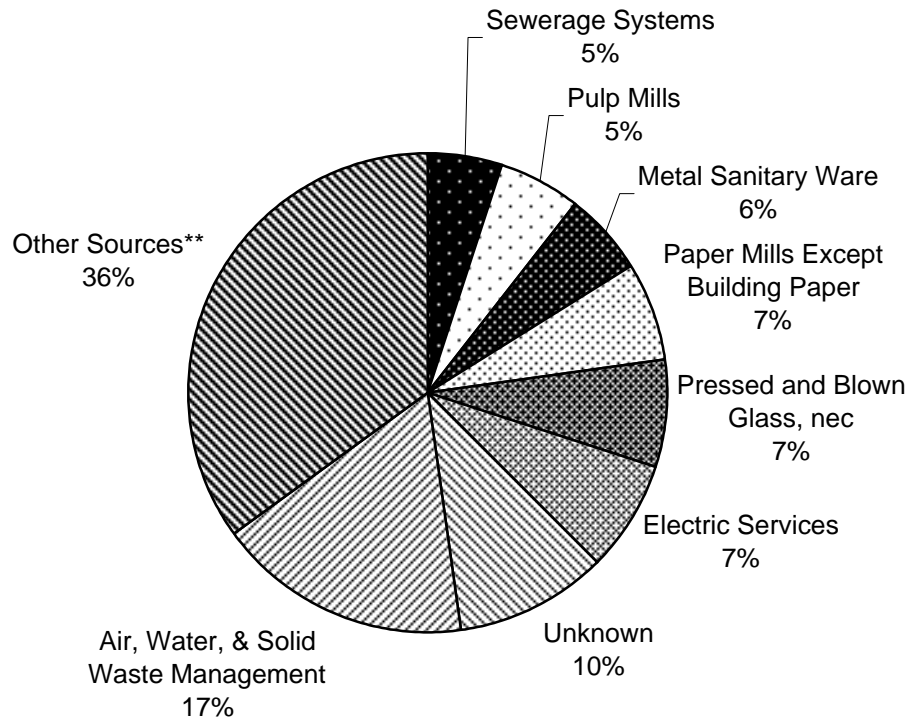
* Each jurisdiction estimated emissions for those sources for which they had data available.

** Other Sources: Individually less than five percent of the total.

(X) Denotes jurisdictions that have contributed emissions data for this pollutant.

Figure: 2-8

ANTIMONY
1998 Estimated Emissions* by Source Category for
Point, Area, and Mobile Sources



SIC	DESCRIPTION	EMISSIONS (LB)	IL	IN	MI	MN	NY	OH	ON	PA	WI
4952	Sewerage Systems	1,896.21		X	X	X			X		
2611	Pulp Mills	2,062.76					X		X		X
3431	Metal Sanitary Ware	2,071.28						X			X
2621	Paper Mills Except Building Paper	2,504.80	X			X					X
3229	Pressed and Blown Glass, nec	2,777.00					X	X			
4911	Electric Services	2,814.34	X	X	X	X			X		
-----	Unknown	3,800.00	X							X	
9511	Air, Water, & Solid Waste Management	6,541.00							X		
-----	Other Sources**	13,102.39	X	X	X	X	X	X	X		X

Total Estimated Emissions: 37,570 lbs.

* Each jurisdiction estimated emissions for those sources for which they had data available.

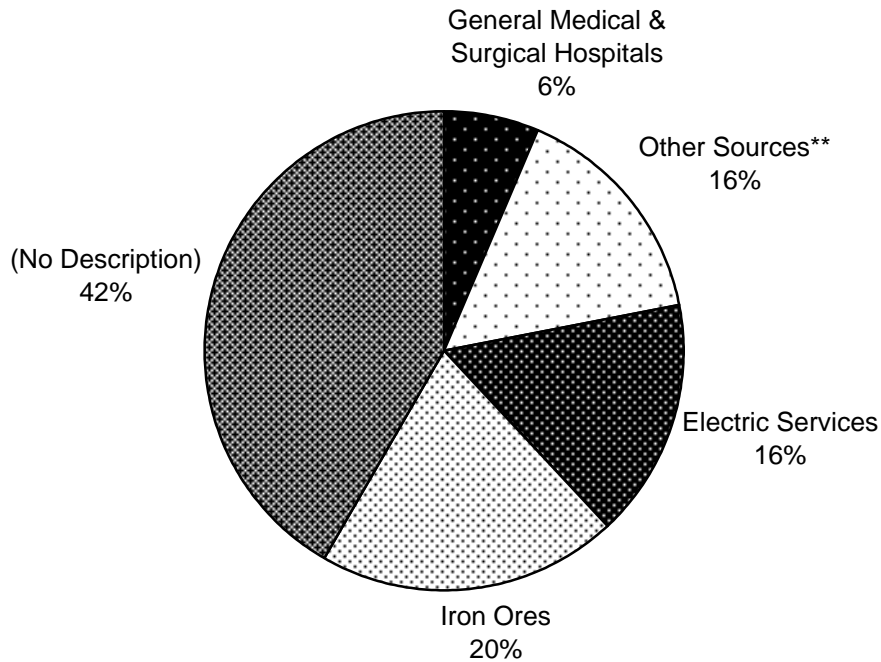
** Other Sources: Individually less than five percent of the total.

(X) Denotes jurisdictions that have contributed emissions data for this pollutant.

Figure: 2-9

ARSENIC

1998 Estimated Emissions* by Source Category for Point, Area, and Mobile Sources



SIC	DESCRIPTION	EMISSIONS (LB)	IL	IN	MI	MN	NY	OH	ON	PA	WI
8062	General Medical & Surgical Hospitals	18,277.97	X	X	X	X	X		X		
-----	Other Sources**	45,336.26	X	X	X	X	X	X	X	X	X
4911	Electric Services	46,726.46	X	X	X	X		X	X		X
1011	Iron Ores	58,632.24			X	X			X		
1061	(No Description)	121,231.00							X		

Total Estimated Emissions: 290,204 lbs.

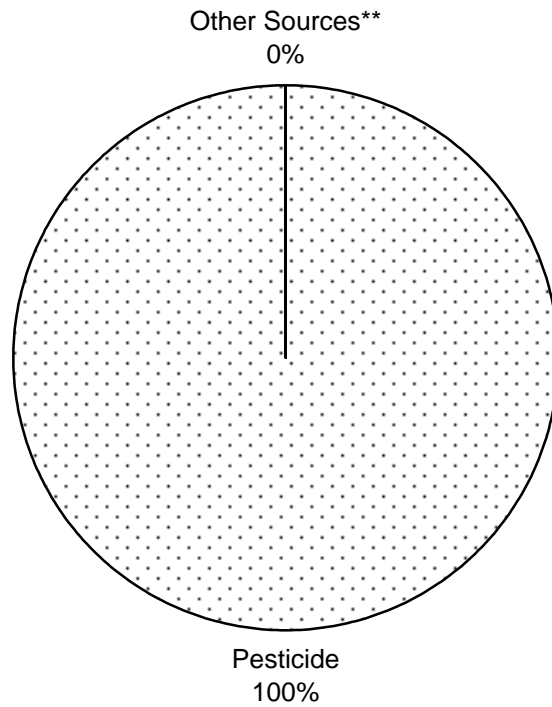
* Each jurisdiction estimated emissions for those sources for which they had data available.

** Other Sources: Individually less than five percent of the total.

(X) Denotes jurisdictions that have contributed emissions data for this pollutant.

Figure: 2-10

ATRAZINE
1998 Estimated Emissions* by Source Category for
Point, Area, and Mobile Sources



SIC	DESCRIPTION	EMISSIONS (LB)	IL	IN	MI	MN	NY	OH	ON	PA	WI
-----	Other Sources**	690.00	X								
-----	Pesticide	6,038,796.56	X	X	X	X	X	X			X

Total Estimated Emissions: 6,039,487 lbs.

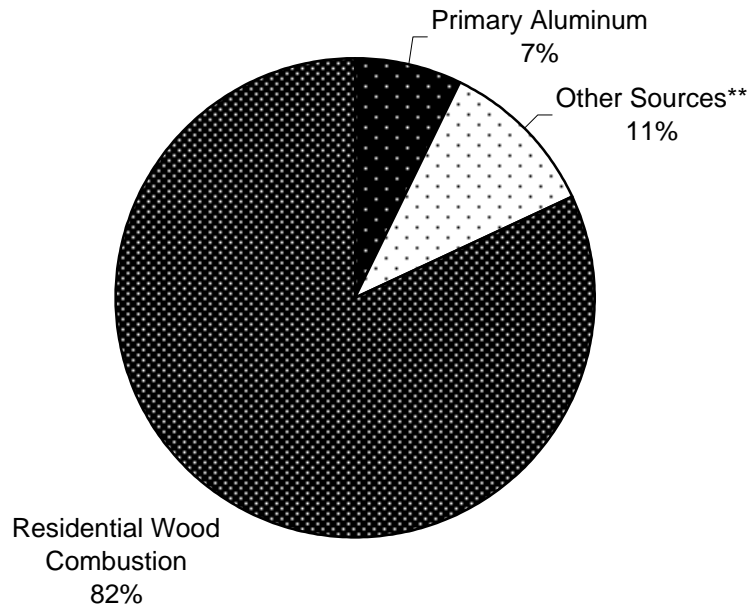
* Each jurisdiction estimated emissions for those sources for which they had data available.

** Other Sources: Individually less than five percent of the total.

(X) Denotes jurisdictions that have contributed emissions data for this pollutant.

Figure: 2-11

BENZ(A)ANTHRACENE
1998 Estimated Emissions* by Source Category for
Point, Area, and Mobile Sources



SIC	DESCRIPTION	EMISSIONS (LB)	IL	IN	MI	MN	NY	OH	ON	PA	WI
3334	Primary Aluminum	10,938.40		X							
-----	Other Sources**	16,656.04	X	X	X	X	X	X	X		X
-----	Residential Wood Combustion	124,548.84	X	X	X	X		X	X		X

Total Estimated Emissions: 152,143 lbs.

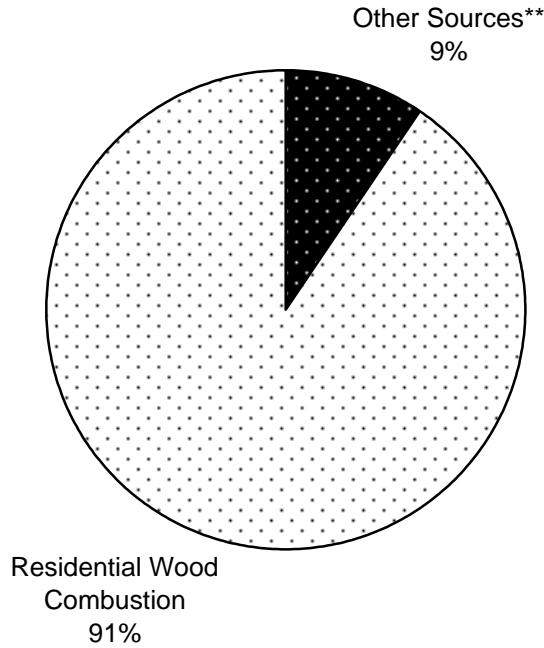
* Each jurisdiction estimated emissions for those sources for which they had data available.

** Other Sources: Individually less than five percent of the total.

(X) Denotes jurisdictions that have contributed emissions data for this pollutant.

Figure: 2-12

BENZ(GHI)PERYLENE
1998 Estimated Emissions* by Source Category for
Point, Area, and Mobile Sources



SIC	DESCRIPTION	EMISSIONS (LB)	IL	IN	MI	MN	NY	OH	ON	PA	WI
-----	Other Sources**	5,164.88	X	X	X	X	X	X	X		X
-----	Residential Wood Combustion	50,193.25	X	X	X	X		X	X		X

Total Estimated Emissions: 55,358 lbs.

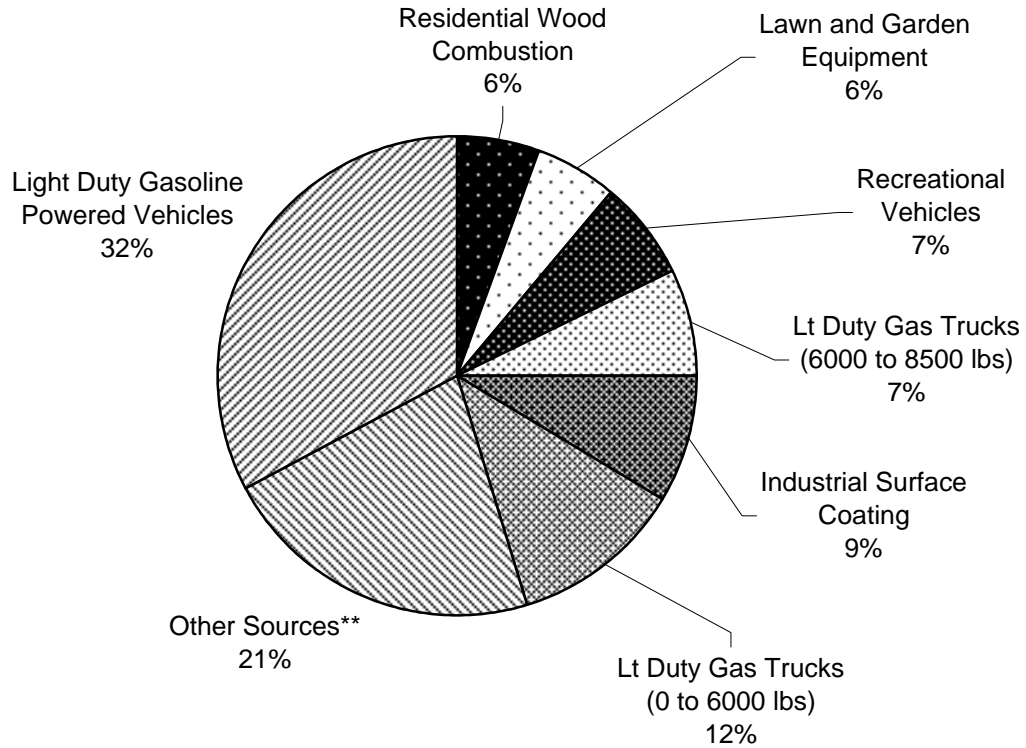
* Each jurisdiction estimated emissions for those sources for which they had data available.

** Other Sources: Individually less than five percent of the total.

(X) Denotes jurisdictions that have contributed emissions data for this pollutant.

Figure: 2-13

BENZENE
1998 Estimated Emissions* by Source Category for
Point, Area, and Mobile Sources



SIC	DESCRIPTION	EMISSIONS (LB)	IL	IN	MI	MN	NY	OH	ON	PA	WI
-----	Residential Wood Combustion	9,397,276.17		X	X	X		X	X		X
-----	Lawn and Garden Equipment	9,508,104.37	X	X		X	X	X	X		X
-----	Recreational Vehicles	11,321,163.72	X	X		X	X	X	X		X
-----	Lt Duty Gas Trucks (6000 to 8500 lbs)	12,357,329.75	X	X	X	X	X	X		X	X
-----	Industrial Surface Coating	14,453,893.79						X	X		
-----	Lt Duty Gas Trucks (0 to 6000 lbs)	19,605,059.40	X	X	X	X	X	X		X	X
-----	Other Sources**	37,440,585.19	X	X	X	X	X	X	X	X	X
-----	Light Duty Gasoline Powered Vehicles	55,456,319.91	X	X	X	X	X	X	X	X	X

Total Estimated Emissions: 169,539,732 lbs.

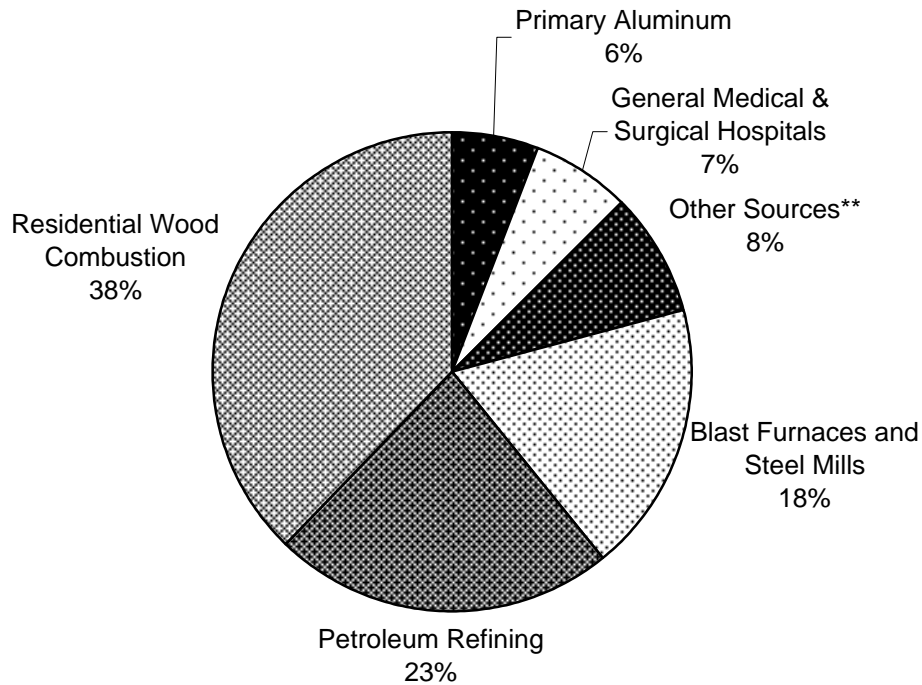
* Each jurisdiction estimated emissions for those sources for which they had data available.

** Other Sources: Individually less than five percent of the total.

(X) Denotes jurisdictions that have contributed emissions data for this pollutant.

Figure: 2-14

BENZO(A)PYRENE 1998 Estimated Emissions* by Source Category for Point, Area, and Mobile Sources



SIC	DESCRIPTION	EMISSIONS (LB)	IL	IN	MI	MN	NY	OH	ON	PA	WI
3334	Primary Aluminum	5,003.74		X							
8062	General Medical & Surgical Hospitals	5,581.81	X	X		X	X		X		
-----	Other Sources**	7,224.21	X	X	X	X	X	X	X		X
3312	Blast Furnaces and Steel Mills	15,757.49	X	X	X	X			X		
2911	Petroleum Refining	19,543.05	X	X	X	X			X		
-----	Residential Wood Combustion	32,385.05	X	X	X	X		X	X		X

Total Estimated Emissions: 85,495 lbs.

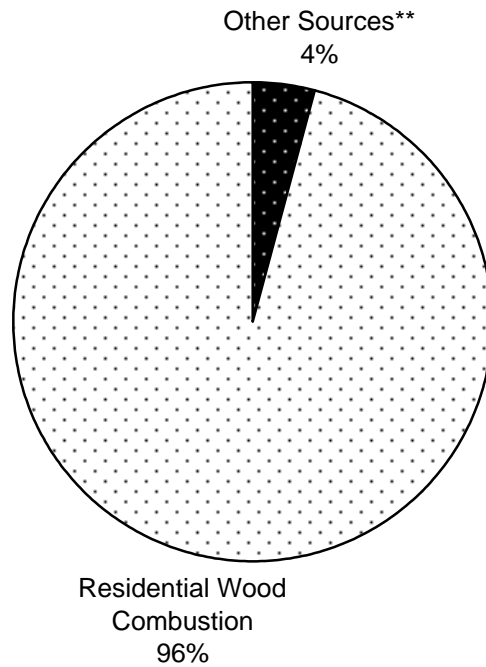
* Each jurisdiction estimated emissions for those sources for which they had data available.

** Other Sources: Individually less than five percent of the total.

(X) Denotes jurisdictions that have contributed emissions data for this pollutant.

Figure: 2-15

BENZO(B)FLUORANTHENE
1998 Estimated Emissions* by Source Category for
Point, Area, and Mobile Sources



SIC	DESCRIPTION	EMISSIONS (LB)	IL	IN	MI	MN	NY	OH	ON	PA	WI
-----	Other Sources**	1,480.68	X	X	X	X	X	X	X		X
-----	Residential Wood Combustion	34,306.75	X	X	X	X		X	X		X

Total Estimated Emissions: 35,787 lbs.

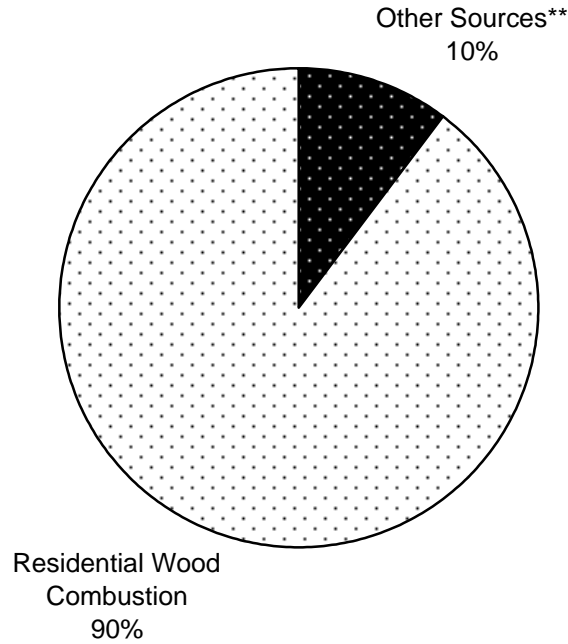
* Each jurisdiction estimated emissions for those sources for which they had data available.

** Other Sources: Individually less than five percent of the total.

(X) Denotes jurisdictions that have contributed emissions data for this pollutant.

Figure: 2-16

BENZO(K)FLUORANTHENE
1998 Estimated Emissions* by Source Category for
Point, Area, and Mobile Sources



SIC	DESCRIPTION	EMISSIONS (LB)	IL	IN	MI	MN	NY	OH	ON	PA	WI
-----	Other Sources**	1,488.97	X	X	X	X	X	X	X		X
-----	Residential Wood Combustion	12,805.86	X	X	X	X		X	X		X

Total Estimated Emissions: 14,295 lbs.

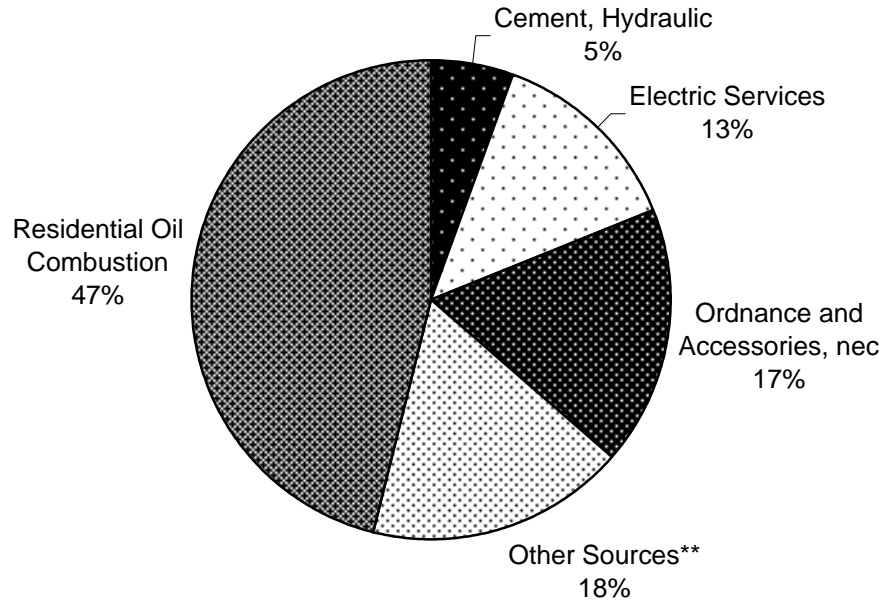
* Each jurisdiction estimated emissions for those sources for which they had data available.

** Other Sources: Individually less than five percent of the total.

(X) Denotes jurisdictions that have contributed emissions data for this pollutant.

Figure: 2-17

BERYLLIUM
1998 Estimated Emissions* by Source Category for
Point, Area, and Mobile Sources



SIC	DESCRIPTION	EMISSIONS (LB)	IL	IN	MI	MN	NY	OH	ON	PA	WI
3241	Cement, Hydraulic	1,059.67	X	X	X		X		X		
4911	Electric Services	2,596.38	X	X	X	X			X		X
3489	Ordnance and Accessories, nec	3,348.88	X			X					
-----	Other Sources**	3,407.80	X	X	X	X	X	X	X	X	X
-----	Residential Oil Combustion	8,895.62	X	X		X		X	X		X

Total Estimated Emissions: 19,308 lbs.

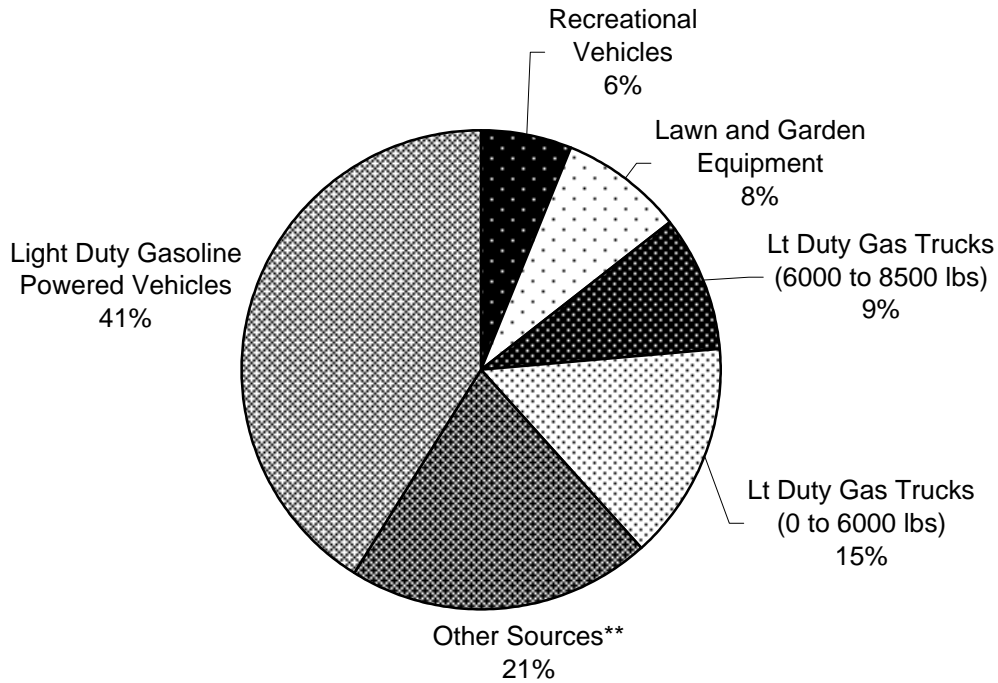
* Each jurisdiction estimated emissions for those sources for which they had data available.

** Other Sources: Individually less than five percent of the total.

(X) Denotes jurisdictions that have contributed emissions data for this pollutant.

Figure: 2-18

1,3-BUTADIENE 1998 Estimated Emissions* by Source Category for Point, Area, and Mobile Sources



SIC	DESCRIPTION	EMISSIONS (LB)	IL	IN	MI	MN	NY	OH	ON	PA	WI
-----	Recreational Vehicles	1,083,863.56	X	X		X	X	X	X		X
-----	Lawn and Garden Equipment	1,413,793.90	X	X		X	X	X	X		X
-----	Lt Duty Gas Trucks (6000 to 8500 lbs)	1,626,754.02	X	X	X	X	X	X		X	X
-----	Lt Duty Gas Trucks (0 to 6000 lbs)	2,533,018.16	X	X	X	X	X	X		X	X
-----	Other Sources**	3,626,880.67	X	X	X	X	X	X	X	X	X
-----	Light Duty Gasoline Powered Vehicles	7,138,880.51	X	X	X	X	X	X	X	X	X

Total Estimated Emissions: 17,423,191 lbs.

* Each jurisdiction estimated emissions for those sources for which they had data available.

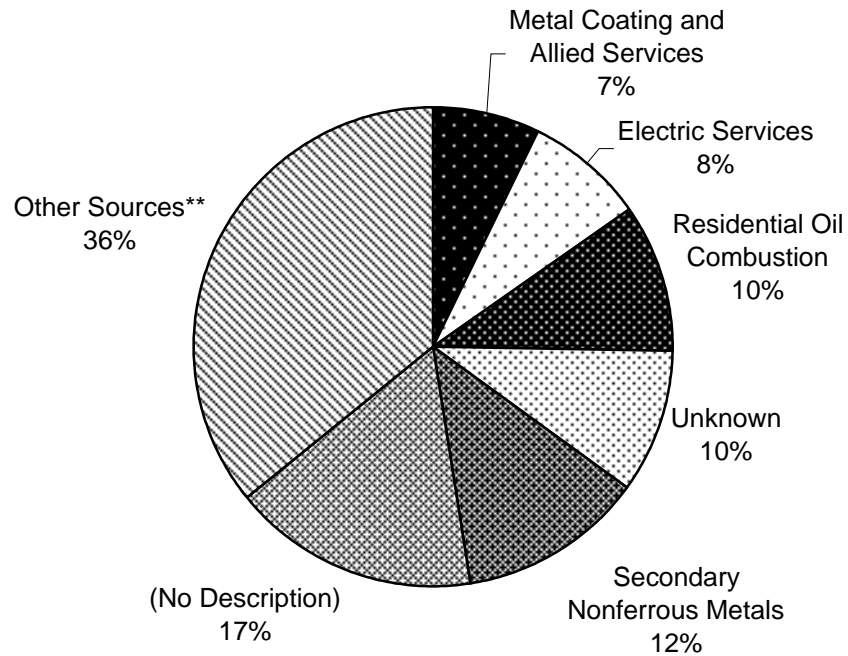
** Other Sources: Individually less than five percent of the total.

(X) Denotes jurisdictions that have contributed emissions data for this pollutant.

Figure: 2-19

CADMIUM

1998 Estimated Emissions* by Source Category for Point, Area, and Mobile Sources



SIC	DESCRIPTION	EMISSIONS (LB)	IL	IN	MI	MN	NY	OH	ON	PA	WI
3479	Metal Coating and Allied Services	6,828.27	X			X					X
4911	Electric Services	7,466.21	X	X	X	X			X		X
-----	Residential Oil Combustion	9,231.57	X	X		X		X	X		X
-----	Unknown	9,273.56	X			X				X	
3341	Secondary Nonferrous Metals	11,592.23	X	X		X	X				X
1061	(No Description)	15,457.00							X		
-----	Other Sources**	33,598.14	X	X	X	X	X	X	X		X

Total Estimated Emissions: 93,447 lbs.

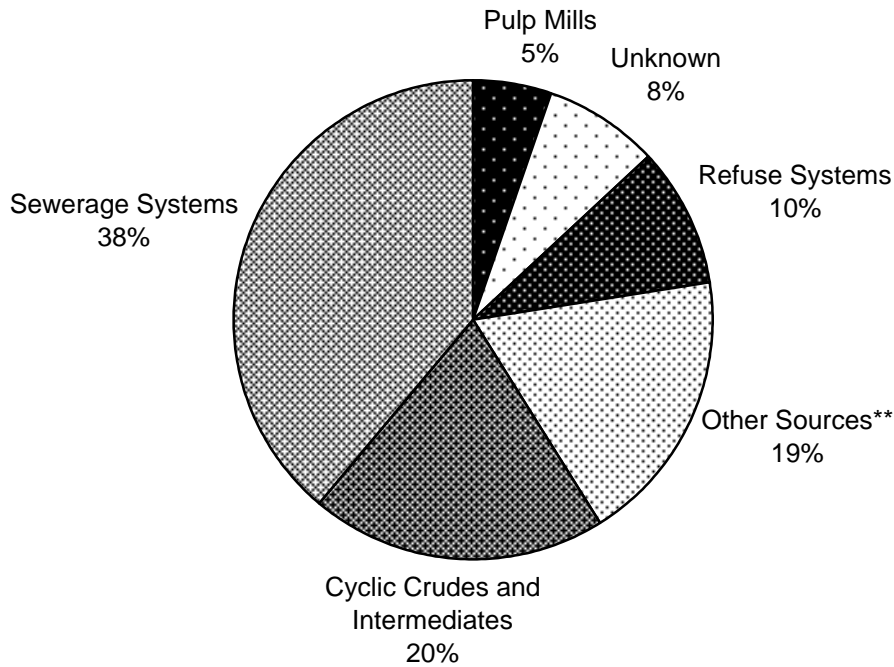
* Each jurisdiction estimated emissions for those sources for which they had data available.

** Other Sources: Individually less than five percent of the total.

(X) Denotes jurisdictions that have contributed emissions data for this pollutant.

Figure: 2-20

CARBON TETRACHLORIDE 1998 Estimated Emissions* by Source Category for Point, Area, and Mobile Sources



SIC	DESCRIPTION	EMISSIONS (LB)	IL	IN	MI	MN	NY	OH	ON	PA	WI
2611	Pulp Mills	4,978.75					X		X		X
-----	Unknown	7,200.49	X							X	
4953	Refuse Systems	9,025.66	X	X	X	X	X	X	X		X
-----	Other Sources**	17,517.22	X	X	X	X	X	X	X		X
2865	Cyclic Crudes and Intermediates	18,677.50					X				
4952	Sewerage Systems	36,521.34	X	X	X	X		X	X		X

Total Estimated Emissions: 93,921 lbs.

* Each jurisdiction estimated emissions for those sources for which they had data available.

** Other Sources: Individually less than five percent of the total.

(X) Denotes jurisdictions that have contributed emissions data for this pollutant.