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Emissions of Greenhouse Gases in the United States 2009

**Table 21. U.S. methane emissions from industrial process sources, 1990-2009
 (million metric tons carbon dioxide equivalent)**

Source	1990	1995	2000	2003	2004	2005	2006	2007	2008	2009
Chemical production										
Ethylene	2.7	3.5	3.7	3.4	3.8	3.6	3.7	3.8	3.4	3.4
Ethylene dichloride	*	*	*	*	*	*	*	*	*	*
Styrene	*	*	*	*	*	*	*	*	*	*
Methanol	0.2	0.3	0.3	0.3	0.3	0.1	0.1	0.1	0.1	0.1
Carbon black	0.4	0.5	0.5	0.4	0.5	0.5	0.4	0.4	0.4	0.3
<i>Chemical production subtotal</i>	<i>3.4</i>	<i>4.3</i>	<i>4.5</i>	<i>4.2</i>	<i>4.6</i>	<i>4.2</i>	<i>4.2</i>	<i>4.3</i>	<i>3.8</i>	<i>3.8</i>
Iron and steel production										
Coke ^a	*	*	*	*	*	*	*	*	*	*
Sinter	*	*	*	*	*	*	*	*	*	*
Pig iron	1.1	1.1	1.1	0.9	1.0	0.8	0.9	0.8	0.8	0.4
<i>Iron and steel subtotal</i>	<i>1.1</i>	<i>1.2</i>	<i>1.1</i>	<i>0.9</i>	<i>1.0</i>	<i>0.9</i>	<i>0.9</i>	<i>0.8</i>	<i>0.8</i>	<i>0.4</i>
Total industrial processes	4.5	5.5	5.6	5.1	5.6	5.0	5.1	5.1	4.6	4.2

^aBased on total U.S. production of metallurgical coke, including for uses other than iron and steel manufacture.

*Less than 0.05 million metric tons.

Note: Totals may not equal sum of components due to independent rounding.