

Técnicas analíticas de medição e métodos de cálculo e estimação, segundo a literatura, para a lista dos poluentes propostos para o RETP Brasil

Ordem	Poluentes	N° CAS	Técnica analítica de medição			Métodos de cálculo e estimação
			Ar	Água	Solo	
0001	Acetaldeído	75-07-0	NBR 10260 USEPA 0011 USEPA 0100 USEPA 8315	USEPA 8315	USEPA 8315	USEPA AP-42 Chapter 2: solid waste disposal USEPA AP-42 Chapter 7: Liquid Storage Tanks PRTR Estimation Manual vol. 13 VALVE MANUFACTURING INDUSTRY Japão 2005 Emission Estimation Technique Manual for Aggregated Emissions from Fuel Combustion (sub-threshold) NPI 1999 Emission Estimation Technique Manual for Railway Yard Operations NPI 1999 Emission Estimation Technique Manual for Alumina Refining NPI 1999 Emission Estimation Technique Manual for Combustion Engines NPI 2002 Emission Estimation Technique Manual for Hot Mix Asphalt Manufacturing NPI 1999 Emission Estimation Technique Manual for Aggregated Emissions from Aircraft NPI 2003 Emission Estimation Technique Manual for Combustion Engines NPI 2002 Emission Estimation Technique Manual for Alumina Refining NPI 1999 Emission Estimation Technique Manual for Aluminum Smelting NPI 1999 Emission Estimation Technique Manual for Combustion Engines NPI 2002
0002	Acetato de éter monometílico de etilenoglicol	110-49-6				PRTR Estimation Manual vol. 22 PAINTING COATING PROCESSES Japão 2005 PRTR Estimation Manual vol. 29 SWITCHGEAR and CONTROLGEAR MANUFACTURING INDUSTRY Japão 2005
0003	Acetato de vinila	108-05-4	USEPA 8260	USEPA 5032 USEPA 8260	USEPA 5032 USEPA 8260	USEPA AP-42 Chapter 2: solid waste disposal USEPA AP-42 Chapter 4: 4.3 waste water collection, treatment and storage USEPA AP-42 Chapter 7: Liquid Storage Tanks PRTR Estimation Manual vol. 16 HOUSING MANUFACTURING INDUSTRY Japão 2005 Emission Estimation Technique Manual for Timber and Wood Product Manufacturing NPI 1999

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Ordem	Poluentes	N° CAS	Técnica analítica de medição			Métodos de cálculo e estimação
			Ar	Água	Solo	
0004	Acetona	67-64-1	NBR 10260 USEPA 0030 USEPA 0100 USEPA 5041 USEPA 8015 USEPA 8260 USEPA 8261 USEPA 8315	USEPA 5032 USEPA 8260 USEPA 8261	USEPA 5032 USEPA 8260 USEPA 8261	USEPA AP-42 Chapter 2: solid waste disposal USEPA AP-42 Chapter 4: 4.3 waste water collection, treatment and storage USEPA AP-42 Chapter 7: Liquid Storage Tanks Emission Estimation Technique Manual for Aggregated Emissions from Aircraft NPI 2003 Emission Estimation Technique Manual for Combustion Engines NPI 2002 Emission Estimation Technique Manual for Bricks, Ceramics & Clay Product Manufacturing NPI 1998 Emission Estimation Technique Manual for Alumina Refining NPI 1999 Emission Estimation Technique Manual for Aggregated Emissions for Cement Manufacturing NPI 1999 Emission Estimation Technique Manual for Timber and Wood Product Manufacturing NPI 1999 Emission Estimation Technique Manual for Hot Mix Asphalt Manufacturing NPI 1999 Emission Estimation Technique Manual for Surface Coating NPI 1999 Emission Estimation Technique Manual for Aggregated Emissions from Motor Vehicle Refinishing NPI 1999 Emission Estimation Technique Manual for Aggregated Emissions from Printing and Graphic Arts NPI 1999 Emission Estimation Technique Manual for Aluminum Smelting NPI 1999 Emission Estimation Technique Manual for Ferris Foundries NPI 1999 Emission Estimation Technique Manual for Gold Ore Processing NPI 2001 Emission Estimation Technique Manual for Lime and Dolomite Manufacturing NPI 1999
0005	Ácido acético (glacial ou solução)	64-19-7				USEPA AP-42 Chapter 4: 4.3 waste water collection, treatment and storage USEPA AP-42 Chapter 7: Liquid Storage Tanks
0006	Ácido acrílico	79-10-7				USEPA AP-42 Chapter 4: 4.3 waste water collection, treatment and storage PRTR Estimation Manual vol. 20 ADHESIVE TAPE MANUFACTURING INDUSTRY Japão 2005
0007	Ácido cianídrico Solução	74-90-8				USEPA AP-42 Chapter 4: 4.3 waste water collection, treatment and storage USEPA AP-42 Chapter 7: Liquid Storage Tanks Emission Estimation Technique Manual for Explosives Manufacturing NPI 1999

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Ordem	Poluentes	N° CAS	Técnica analítica de medição			Métodos de cálculo e estimação
			Ar	Água	Solo	
0008	Ácido clorídrico	7647-01-0	USEPA 0050 USEPA 0051			<p>USEPA AP-42 Chapter 2: solid waste disposal</p> <p>Emission Estimation Technique Manual for Aggregated Emissions from Fuel Combustion (sub-threshold) NPI 1999</p> <p>Emission Estimation Technique Manual for Aluminum Smelting NPI 1999</p> <p>Emission Estimation Technique Manual for Beer Manufacturing NPI 1999</p> <p>Emission Estimation Technique Manual for Combustion in Boilers - Manual and Addendum NPI 2003</p> <p>Emission Estimation Technique Manual for Confectionery Manufacture NPI 1999</p> <p>Emission Estimation Technique Manual for Ferris Foundries NPI 1999</p> <p>Emission Estimation Technique Manual for Galvanizing NPI 1999</p> <p>Emission Estimation Technique Manual for Organic Chemical Processing Industries NPI 1999</p> <p>Emission Estimation Technique Manual for Iron & Steel Production NPI 1999</p> <p>Emission Estimation Technique Manual for Alumina Refining NPI 1999</p> <p>Emission Estimation Technique Manual for Appliance, Machinery and Electrical Equipment Manufacture NPI 1999</p> <p>Emission Estimation Technique Manual for Aggregated Emissions for Cement Manufacturing NPI 1999</p> <p>Emission Estimation Technique Manual for Concrete Batching and Concrete Product Manufacturing NPI 1999</p> <p>Emission Estimation Technique Manual for Fossil Fuel Electric Power Generation NPI 1999</p> <p>Emission Estimation Technique Manual for Gas Supply NPI 1999</p> <p>Emission Estimation Technique Manual for Intensive Livestock - Beef Cattle NPI 1999</p> <p>Emission Estimation Technique Manual for Lime and Dolomite Manufacturing NPI 1999</p> <p>Emission Estimation Technique Manual for Inorganic Chemicals Manufacturing NPI 1999</p>
0009	Ácido cloroacético	79-11-8				

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Ordem	Poluentes	N° CAS	Técnica analítica de medição			Métodos de cálculo e estimação
			Ar	Água	Solo	
0010	Ácido fluorídrico	7664-39-3				<p>USEPA AP-42 Chapter 4: 4.3 waste water collection, treatment and storage</p> <p>PRTR Estimation Manual vol. 5 HOT-DIP INDUSTRY Japão 2005</p> <p>PRTR Estimation Manual vol. 6 ELECTROPLATING INDUSTRY Japão 2005</p> <p>PRTR Estimation Manual vol. 8 CEMENT FIBERBOARD INDUSTRY Japão 2005</p> <p>PRTR Estimation Manual vol. 10 DIE CASTING INDUSTRY Japão 2005</p> <p>PRTR Estimation Manual vol. 12 CAN MANUFACTURING INDUSTRY Japão 2005</p> <p>PRTR Estimation Manual vol. 15 INDUSTRIAL CLEANING INDUSTRY Japão 2005</p> <p>PRTR Estimation Manual vol. 25 FORGING INDUSTRY Japão 2005</p> <p>Emission Estimation Technique Manual for Organic Chemical Processing Industries NPI 1999</p> <p>Emission Estimation Technique Manual for Concrete Batching and Concrete Product Manufacturing NPI 1999</p>
0011	Ácido fórmico	64-18-6				<p>USEPA AP-42 Chapter 4: 4.3 waste water collection, treatment and storage</p> <p>USEPA AP-42 Chapter 7: Liquid Storage Tanks</p>
0012	Ácido fosfórico	7664-38-2				<p>Emission Estimation Technique Manual for Iron & Steel Production NPI 1999</p> <p>Emission Estimation Technique Manual for Organic Chemical Processing Industries NPI 1999</p>
0013	Ácido nítrico	7697-37-2				<p>USEPA AP-42</p> <p>Emission Estimation Technique Manual for Organic Chemical Processing Industries NPI 1999</p> <p>Emission Estimation Technique Manual for Explosives Manufacturing NPI 1999</p>
0014	Ácido sulfúrico	7664-93-9	USEPA 8			<p>USEPA AP-42 Chapter 2: solid waste disposal</p> <p>Emission Estimation Technique Manual for Alumina Refining NPI 1999</p> <p>Emission Estimation Technique Manual for Aggregated Emissions for Cement Manufacturing NPI 1999</p> <p>Emission Estimation Technique Manual for Ferris Foundries NPI 1999</p> <p>Emission Estimation Technique Manual for Gold Ore Processing NPI 2001</p> <p>Emission Estimation Technique Manual for Iron & Steel Production NPI 1999</p> <p>Emission Estimation Technique Manual for Aluminum Smelting NPI 1999</p> <p>Emission Estimation Technique Manual for Concrete Batching and Concrete Product Manufacturing NPI 1999</p> <p>Emission Estimation Technique Manual for Explosives Manufacturing NPI 1999</p> <p>Emission Estimation Technique Manual for Galvanizing NPI 1999</p>

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Ordem	Poluentes	N° CAS	Técnica analítica de medição			Métodos de cálculo e estimação
			Ar	Água	Solo	
0015	Acrilamida	79-06-1		USEPA 8316		USEPA AP-42 Chapter 4: 4.3 waste water collection, treatment and storage USEPA AP-42 Chapter 7: Liquid Storage Tanks PRTR Estimation Manual vol. 8 CEMENT FIBERBOARD INDUSTRY Japão 2005
0016	Acrilonitrila	107-13-1	USEPA 0030 USEPA 0031 USEPA 5041 USEPA 8015 USEPA 8260 USEPA 8261	USEPA 5032 USEPA 8260 USEPA 8261 USEPA 8316	USEPA 5032 USEPA 8260 USEPA 8261	USEPA AP-42 Chapter 2: solid waste disposal USEPA AP-42 Chapter 4: 4.3 waste water collection, treatment and storage USEPA AP-42 Chapter 7: Liquid Storage Tanks PRTR Estimation Manual vol. 16 HOUSING MANUFACTURING INDUSTRY Japão 2005 Emission Estimation Technique Manual for Bricks, Ceramics & Clay Product Manufacturing NPI 1998 PRTR Estimation Manual vol. 16 HOUSING MANUFACTURING INDUSTRY Japão 2005 Emission Estimation Technique Manual for Bricks, Ceramics & Clay Product Manufacturing NPI 1998
0017	Acroleína	107-02-8	USEPA 0100 USEPA 8015 USEPA 8260 USEPA 8261 USEPA 8315	USEPA 5032 USEPA 8260 USEPA 8261 USEPA 8316	USEPA 5032 USEPA 8260 USEPA 8261	USEPA AP-42 Chapter 4: 4.3 waste water collection, treatment and storage
0018	Alaclor	15972-60-8	USEPA 8085	USEPA 8081	USEPA 8081	USEPA AP-42; Chapter 9.2.2 Pesticide application
0019	Aldrin	309-00-2	NBR 9681 USEPA 8085 USEPA 8270	NE ISO 6468:1996 USEPA 8081 USEPA 8270	USEPA 3562 USEPA 8081 USEPA 8270	
0020	Amianto (ver também crocidolita)	1332-21-4	ISO 10397:1993			PRTR Estimation Manual vol. 8 CEMENT FIBERBOARD INDUSTRY Japão 2005 PRTR Estimation Manual vol. 27 BONDED ADHESIVE PRODUCTS MANUFACTURING INDUSTRY Japão 2005
0021	Amileno	513-35-9				

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Ordem	Poluentes	N° CAS	Técnica analítica de medição			Métodos de cálculo e estimação
			Ar	Água	Solo	
0022	Amônia anidra	7664-41-7				<p>USEPA AP-42 Chapter 4: 4.3 waste water collection, treatment and storage</p> <p>Emission Estimation Technique Manual for Aluminum Smelting NPI 1999</p> <p>Emission Estimation Technique Manual for Aggregated Emissions for Cement Manufacturing NPI 1999</p> <p>Emission Estimation Technique Manual for Concrete Batching and Concrete Product Manufacturing NPI 1999</p> <p>Emission Estimation Technique Manual for Ferris Foundries NPI 1999</p> <p>Emission Estimation Technique Manual for Timber and Wood Product Manufacturing NPI 1999</p> <p>Emission Estimation Technique Manual for Galvanizing NPI 1999</p> <p>Emission Estimation Technique Manual for Iron & Steel Production NPI 1999</p> <p>Emission Estimation Technique Manual for Lime and Dolomite Manufacturing NPI 1999</p> <p>Emission Estimation Technique Manual for Bricks, Ceramics & Clay Product Manufacturing NPI 1998</p> <p>Emission Estimation Technique Manual for Combustion Engines NPI 2002</p> <p>Emission Estimation Technique Manual for Explosives Manufacturing NPI 1999</p> <p>Emission Estimation Technique Manual for Fruit and Vegetable Processing Industry NPI 1999</p> <p>Emission Estimation Technique Manual for Gold Ore Processing NPI 2001</p>
0023	Anidrido ftálico	85-44-9	USEPA 8270	USEPA 8270	USEPA 8270	<p>USEPA AP-42 Chapter 4: 4.3 waste water collection, treatment and storage</p> <p>PRTR Estimation Manual vol. 7 ASBESTOS INDUSTRY Japão 2005</p>
0024	Anidrido maléico	108-31-6	USEPA 8270	USEPA 8270	USEPA 8270	USEPA AP-42
0025	Anidrido trimelítico	552-30-7				
0026	Anilina	62-53-3	NBR 11343 USEPA 8261 USEPA 8270	USEPA 8131 USEPA 8261 USEPA 8270	USEPA 8131 USEPA 8261 USEPA 8270	<p>USEPA AP-42 Chapter 4: 4.3 waste water collection, treatment and storage</p> <p>USEPA AP-42 Chapter 7: Liquid Storage Tanks</p>

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Ordem	Poluentes	N° CAS	Técnica analítica de medição			Métodos de cálculo e estimação
			Ar	Água	Solo	
0027	Antimônio e compostos	7440-36-0	NBR 11962	NE ISO 11969:1996	USEPA 6020	USEPA AP-42 Chapter 2: solid waste disposal
			NBR 8275	NE ISO 26595:1992	USEPA 6200	PRTR Estimation Manual vol. 6 ELECTROPLATING INDUSTRY Japão 2005
			NBR 8276	USEPA 3005	USEPA 6800	PRTR Estimation Manual vol. 20 ADHESIVE TAPE MANUFACTURING INDUSTRY Japão 2005
			USEPA 0060	USEPA 3010	USEPA 7000	Emission Estimation Technique Manual for Aggregated Emissions from Fuel Combustion (sub-threshold) NPI 1999
			USEPA 29	USEPA 6010	USEPA 7062	Emission Estimation Technique Manual for Railway Yard Operations NPI 1999
				USEPA 6020		Emission Estimation Technique Manual for Alumina Refining NPI 1999
				USEPA 6800		Emission Estimation Technique Manual for Aluminum Smelting NPI 1999
				USEPA 7000		Emission Estimation Technique Manual for Fossil Fuel Electric Power Generation NPI 1999
				USEPA 7062		Emission Estimation Technique Manual for Iron & Steel Production NPI 1999
						PRTR Estimation Manual vol. 8 CEMENT FIBERBOARD INDUSTRY Japão 2005
						PRTR Estimation Manual vol. 22 PAINTING COATING PROCESSES Japão 2005
						Emission Estimation Technique Manual for Bricks, Ceramics & Clay Product Manufacturing NPI 1998
						Emission Estimation Technique Manual for Aggregated Emissions from Printing and Paved and Unpaved roads NPI 1999
						Emission Estimation Technique Manual for Combustion in Boilers - Manual and Addendum NPI 2003
						Emission Estimation Technique Manual for Gold Ore Processing NPI 2001

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Ordem	Poluentes	N° CAS	Técnica analítica de medição			Métodos de cálculo e estimação
			Ar	Água	Solo	
0028	Arsênio e seus compostos	7440-38-2	NBR 14062 NE 14385:2005 USEPA 0060 USEPA 29	NBR 13801 NE ISO 10695:2000 USEPA 3005 USEPA 3010 USEPA 6010 USEPA 6020 USEPA 7061	USEPA 1310 USEPA 6020 USEPA 6200 USEPA 7061 USEPA 7062	<p>USEPA AP-42 Chapter 2: solid waste disposal</p> <p>Emission Estimation Technique Manual for Aggregated Emissions from Fuel Combustion (sub-threshold) NPI 1999</p> <p>Emission Estimation Technique Manual for Aggregated Emissions from Printing and Paved and Unpaved roads NPI 1999</p> <p>Emission Estimation Technique Manual for Aluminum Smelting NPI 1999</p> <p>Emission Estimation Technique Manual for Beer Manufacturing NPI 1999</p> <p>Emission Estimation Technique Manual for Inorganic Chemicals Manufacturing NPI 1999</p> <p>Emission Estimation Technique Manual for Confectionery Manufacture NPI 1999</p> <p>Emission Estimation Technique Manual for Ferroalloy Production NPI 1999</p> <p>Emission Estimation Technique Manual for Timber and Wood Product Manufacturing NPI 1999</p> <p>Emission Estimation Technique Manual for Gold Ore Processing NPI 2001</p> <p>Emission Estimation Technique Manual for Intensive Livestock - Beef Cattle NPI 1999</p> <p>Emission Estimation Technique Manual for Organic Chemical Processing Industries NPI 1999</p> <p>Emission Estimation Technique Manual for Aggregated Emissions from Aircraft NPI 2003</p> <p>Emission Estimation Technique Manual for Railway Yard Operations NPI 1999</p> <p>Emission Estimation Technique Manual for Alumina Refining NPI 1999</p> <p>Emission Estimation Technique Manual for Appliance, Machinery and Electrical Equipment Manufacture NPI 1999</p> <p>Emission Estimation Technique Manual for Aggregated Emissions for Cement Manufacturing NPI 1999</p> <p>Emission Estimation Technique Manual for Combustion in Boilers - Manual and Addendum NPI 2003</p> <p>Emission Estimation Technique Manual for Fossil Fuel Electric Power Generation NPI 1999</p> <p>Emission Estimation Technique Manual for Gas Supply NPI 1999</p> <p>Emission Estimation Technique Manual for Hot Mix Asphalt Manufacturing NPI 1999</p> <p>Emission Estimation Technique Manual for Lime and Dolomite Manufacturing NPI 1999</p> <p>PRTR Estimation Manual vol. 6 ELECTROPLATING INDUSTRY Japão 2005</p> <p>PRTR Estimation Manual vol. 20 ADHESIVE TAPE MANUFACTURING INDUSTRY Japão 2005</p> <p>Emission Estimation Technique Manual for Bricks, Ceramics & Clay Product Manufacturing NPI 1998</p> <p>PRTR Estimation Manual vol. 8 CEMENT FIBERBOARD INDUSTRY Japão 2005</p>

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Ordem	Poluentes	N° CAS	Técnica analítica de medição			Métodos de cálculo e estimação
			Ar	Água	Solo	
0029	Atrazina	1912-24-9	USEPA 8085	USEPA 4670 USEPA 8141	USEPA 8141	USEPA AP-42; Chapter 9.2.2 Pesticide application
0030	Benomil	17804-35-2				USEPA AP-42; Chapter 9.2.2 Pesticide application
0031	Benzeno	71-43-2	NBR 10260 NBR 15289 NBR 15441 NBR 9431 NE 13649:2001 USEPA 0030 USEPA 0031 USEPA 5041 USEPA 8015 USEPA 8260 USEPA 8261	ISO 11423-1:1997 ISO 11423-2:1997 NE ISO 15680:2003 USEPA 5032 USEPA 8021 USEPA 8260 USEPA 8261	USEPA 5021 USEPA 5032 USEPA 8021 USEPA 8260 USEPA 8261	USEPA AP-42 Chapter 2: solid waste disposal USEPA AP-42 Chapter 4: 4.3 waste water collection, treatment and storage USEPA AP-42 Chapter 7: Liquid Storage Tanks PRTR Estimation Manual vol. 6 ELECTROPLATING INDUSTRY Japão 2005 PRTR Estimation Manual vol. 23 GASOLINE SERVICE STATION Japão 2005 PRTR Estimation Manual vol. 20 ADHESIVE TAPE MANUFACTURING INDUSTRY Japão 2005 PRTR Estimation Manual vol. 19 AUTOMOBILE CHEMICAL MANUFACTURING INDUSTRY Japão 2005 PRTR Estimation Manual vol. 16 HOUSING MANUFACTURING INDUSTRY Japão 2005 PRTR Estimation Manual vol. 15 INDUSTRIAL CLEANING INDUSTRY Japão 2005 Emission Estimation Technique Manual for Surface Coating NPI 1999 Emission Estimation Technique Manual for Railway Yard Operations NPI 1999 Emission Estimation Technique Manual for Lime and Dolomite Manufacturing NPI 1999 Emission Estimation Technique Manual for Iron & Steel Production NPI 1999 Emission Estimation Technique Manual for Hot Mix Asphalt Manufacturing NPI 1999 Emission Estimation Technique Manual for Gas Supply NPI 1999 Emission Estimation Technique Manual for Fossil Fuel Electric Power Generation NPI 1999 Emission Estimation Technique Manual for Combustion in Boilers - Manual and Addendum NPI 2003 Emission Estimation Technique Manual for Combustion Engines NPI 2002 Emission Estimation Technique Manual for Bricks, Ceramics & Clay Product Manufacturing NPI 1998 Emission Estimation Technique Manual for Aluminum Smelting NPI 1999 Emission Estimation Technique Manual for Alumina Refining NPI 1999 Emission Estimation Technique Manual for Aggregated Emissions from Motor Vehicle Refinishing NPI 1999 Emission Estimation Technique Manual for Aggregated Emissions from Fuel Combustion (sub-threshold) NPI 1999 Emission Estimation Technique Manual for Aggregated Emissions from Fuel and Organic Liquid Storage NPI 2003

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Ordem	Poluentes	N° CAS	Técnica analítica de medição			Métodos de cálculo e estimação
			Ar	Água	Solo	
0031	Benzeno	71-43-2				Emission Estimation Technique Manual for Aggregated Emissions from Cutback Bitumen NPI 1999 Emission Estimation Technique Manual for Aggregated Emissions from Aircraft NPI 2003 Emission Estimation Technique Manual for Aggregated Emissions for Cement Manufacturing NPI 1999
0032	Benzidina	92-87-5	USEPA 8270	USEPA 8270 USEPA 8325	USEPA 8270 USEPA 8325	
0033	Berílio e compostos	7440-41-7	USEPA 0060 USEPA 29	USEPA 3005 USEPA 3010 USEPA 6010 USEPA 6020 USEPA 7000	USEPA 6020 USEPA 7000	USEPA AP-42 Chapter 2: solid waste disposal PRTR Estimation Manual vol. 6 ELECTROPLATING INDUSTRY Japão 2005 PRTR Estimation Manual vol. 17 NON FERROUS METAL CASTING INDUSTRY Japão 2005 PRTR Estimation Manual vol. 11 ALUMINUM ALLOY MANUFACTURING INDUSTRY Japão 2005 PRTR Estimation Manual vol. 10 DIE CASTING INDUSTRY Japão 2005 Manual Austrália Manufatura de laticínios Emission Estimation Technique Manual for Organic Chemical Processing Industries NPI 1999 Emission Estimation Technique Manual for Lime and Dolomite Manufacturing NPI 1999 Emission Estimation Technique Manual for Iron & Steel Production NPI 1999 Emission Estimation Technique Manual for Intensive Livestock - Beef Cattle NPI 1999 Emission Estimation Technique Manual for Inorganic Chemicals Manufacturing NPI 1999 Emission Estimation Technique Manual for Hot Mix Asphalt Manufacturing NPI 1999 Emission Estimation Technique Manual for Gold Ore Processing NPI 2001 Emission Estimation Technique Manual for Gas Supply NPI 1999 Emission Estimation Technique Manual for Fossil Fuel Electric Power Generation NPI 1999 Emission Estimation Technique Manual for Confectionery Manufacture NPI 1999 Emission Estimation Technique Manual for Combustion in Boilers - Manual and Addendum NPI 2003 Emission Estimation Technique Manual for Bricks, Ceramics & Clay Product Manufacturing NPI 1998 Emission Estimation Technique Manual for Beer Manufacturing NPI 1999 Emission Estimation Technique Manual for Appliance, Machinery and Electrical Equipment Manufacture NPI 1999 Emission Estimation Technique Manual for Aluminum Smelting NPI 1999

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Ordem	Poluentes	N° CAS	Técnica analítica de medição			Métodos de cálculo e estimação
			Ar	Água	Solo	
0033	Berílio e compostos	7440-41-7				Emission Estimation Technique Manual for Alumina Refining NPI 1999 Emission Estimation Technique Manual for Aggregated Emissions from Fuel Combustion (sub-threshold) NPI 1999 Emission Estimation Technique Manual for Aggregated Emissions for Cement Manufacturing NPI 1999
0034	Bifenila	92-52-4				USEPA AP-42 Emission Estimation Technique Manual for Aggregated Emissions from Cutback Bitumen NPI 1999 Emission Estimation Technique Manual for Iron & Steel Production NPI 1999 Emission Estimation Technique Manual for Lime and Dolomite Manufacturing NPI 1999 Emission Estimation Technique Manual for Combustion in Boilers - Manual and Addendum NPI 2003
0035	Bifenila Polibromada (PBB)	67774-32-7				
0036	Bifenilas policloradas (PCBs)	1336-36-3		NBR 13741 NBR 13882 NE ISO 6468:1996 USEPA 8082 USEPA 8275	NBR 13741 NBR 13882 USEPA 3562 USEPA 4020 USEPA 8082 USEPA 8275 USEPA 9078	USEPA AP-42 Chapter 4: 4.3 waste water collection, treatment and storage
0037	Binapacril	485-31-4				
0038	Boro e compostos	7440-42-8		NBR 8773 USEPA 6010 USEPA 6800	NBR 8773 USEPA 6800	PRTR Estimation Manual vol. 8 CEMENT FIBERBOARD INDUSTRY Japão 2005 PRTR Estimation Manual vol. 6 ELECTROPLATING INDUSTRY Japão 2005 PRTR Estimation Manual vol. 27 BONDED ADHESIVE PRODUCTS MANUFACTURING INDUSTRY Japão 2005 PRTR Estimation Manual vol. 25 FORGING INDUSTRY Japão 2005 PRTR Estimation Manual vol. 24 CORRUGATED PACKAGING INDUSTRY Japão 2005 PRTR Estimation Manual vol. 22 PAINTING COATING PROCESSES Japão 2005

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Ordem	Poluentes	N° CAS	Técnica analítica de medição			Métodos de cálculo e estimação
			Ar	Água	Solo	
0038	Boro e compostos	7440-42-8				PRTR Estimation Manual vol. 2 LIGHT METAL PRODUCTS INDUSTRY Japão 2005 PRTR Estimation Manual vol. 19 AUTOMOBILE CHEMICAL MANUFACTURING INDUSTRY Japão 2005 PRTR Estimation Manual vol. 17 NON FERROUS METAL CASTING INDUSTRY Japão 2005 PRTR Estimation Manual vol. 16 HOUSING MANUFACTURING INDUSTRY Japão 2005 PRTR Estimation Manual vol. 15 INDUSTRIAL CLEANING INDUSTRY Japão 2005 PRTR Estimation Manual vol. 13 VALVE MANUFACTURING INDUSTRY Japão 2005 PRTR Estimation Manual vol. 10 DIE CASTING INDUSTRY Japão 2005 Emission Estimation Technique Manual for Iron & Steel Production NPI 1999 Emission Estimation Technique Manual for Gold Ore Processing NPI 2001 Emission Estimation Technique Manual for Fossil Fuel Electric Power Generation NPI 1999 Emission Estimation Technique Manual for Combustion in Boilers - Manual and Addendum NPI 2003 Emission Estimation Technique Manual for Aluminum Smelting NPI 1999 Emission Estimation Technique Manual for Alumina Refining NPI 1999
0039	Brometo de metila	74-83-9	USEPA 0030 USEPA 5041 USEPA 8260	USEPA 5032 USEPA 8021 USEPA 8260	USEPA 5021 USEPA 5032 USEPA 8021 USEPA 8260	USEPA AP-42
0040	Bromo	7726-95-6	NBR 9562 NBR 11347			
0041	Bromoclorometano	74-97-5	USEPA 8260	NBR 13407 USEPA 8260	USEPA 5021 USEPA 8260	
0042	Bromodifeniléteres (PBDE)	60371-14-4		ISO/DIS: 22032:2004		
0043	1,3-Butadieno	106-99-0	NBR 9218 NBR 9420 NBR 9421 USEPA 0030			USEPA AP-42 Chapter 2: solid waste disposal Emission Estimation Technique Manual for Aggregated Emissions from Aircraft NPI 2003 Emission Estimation Technique Manual for Aluminum Smelting NPI 1999 Emission Estimation Technique Manual for Combustion Engines NPI 2002

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Ordem	Poluentes	N° CAS	Técnica analítica de medição			Métodos de cálculo e estimação
			Ar	Água	Solo	
0044	Butil álcool (sec-)	78-92-2				
0045	Butil álcool (tert-)	75-65-0	USEPA 8015 USEPA 8260 USEPA 8261	USEPA 8260 USEPA 8261	USEPA 8260 USEPA 8261	
0046	Butileno (todos os isômeros)	25167-67-3				
0047	Cádmio e compostos	7440-43-9	NE 14385:2004 USEPA 0060 USEPA 29	NBR 10258 NBR 11014 NBR 13810 NBR 14571 NE ISO 5961:1995 NE ISO 11885:1997 USEPA 3005 USEPA 3010 USEPA 6010 USEPA 6020 USEPA 6800 USEPA 7000	USEPA 1310 USEPA 6020 USEPA 6200 USEPA 6800 USEPA 7000	U.S. EPA AP-42 Chapter 2: solid waste disposal PRTR Estimation Manual vol. 8 CEMENT FIBERBOARD INDUSTRY Japão 2005 PRTR Estimation Manual vol. 6 ELECTROPLATING INDUSTRY Japão 2005 PRTR Estimation Manual vol. 22 PAINTING COATING PROCESSES Japão 2005 PRTR Estimation Manual vol. 20 ADHESIVE TAPE MANUFACTURING INDUSTRY Japão 2005 PRTR Estimation Manual vol. 18 AIRCRAFT MAINTENANCE INDUSTRY Japão 2005 Emission Estimation Technique Manual for Timber and Wood Product Manufacturing NPI 1999 Emission Estimation Technique Manual for Railway Yard Operations NPI 1999 Emission Estimation Technique Manual for Lime and Dolomite Manufacturing NPI 1999 Emission Estimation Technique Manual for Iron & Steel Production NPI 1999 Emission Estimation Technique Manual for Intensive Livestock - Beef Cattle NPI 1999 Emission Estimation Technique Manual for Organic Chemical Processing Industries NPI 1999 Emission Estimation Technique Manual for Inorganic Chemicals Manufacturing NPI 1999 Emission Estimation Technique Manual for Hot Mix Asphalt Manufacturing NPI 1999 Emission Estimation Technique Manual for Gold Ore Processing NPI 2001 Emission Estimation Technique Manual for Gas Supply NPI 1999 Emission Estimation Technique Manual for Galvanizing NPI 1999 Emission Estimation Technique Manual for Fossil Fuel Electric Power Generation NPI 1999 Emission Estimation Technique Manual for Ferroalloy Production NPI 1999 Emission Estimation Technique Manual for Confectionery Manufacture NPI 1999

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Ordem	Poluentes	N° CAS	Técnica analítica de medição			Métodos de cálculo e estimação
			Ar	Água	Solo	
0047	Cádmio e compostos	7440-43-9				<p>Emission Estimation Technique Manual for Combustion in Boilers - Manual and Addendum NPI 2003</p> <p>Emission Estimation Technique Manual for Combustion Engines NPI 2002</p> <p>Emission Estimation Technique Manual for Bricks, Ceramics & Clay Product Manufacturing NPI 1998</p> <p>Emission Estimation Technique Manual for Beer Manufacturing NPI 1999</p> <p>Emission Estimation Technique Manual for Appliance, Machinery and Electrical Equipment Manufacture NPI 1999</p> <p>Emission Estimation Technique Manual for Aluminum Smelting NPI 1999</p> <p>Emission Estimation Technique Manual for Alumina Refining NPI 1999</p> <p>Emission Estimation Technique Manual for Aggregated Emissions from Printing and Paved and Unpaved roads NPI 1999</p> <p>Emission Estimation Technique Manual for Aggregated Emissions from Fuel Combustion (sub-threshold) NPI 1999</p> <p>Emission Estimation Technique Manual for Aggregated Emissions from Aircraft NPI 2003</p> <p>Emission Estimation Technique Manual for Aggregated Emissions for Cement Manufacturing NPI 1999</p>
0048	Captafol	2425-06-1	USEPA 8085 USEPA 8270	USEPA 8081 USEPA 8270	USEPA 8081 USEPA 8270	
0049	Carbofurano	1563-66-2	USEPA 8270 USEPA 8321	USEPA 8270 USEPA 8318 USEPA 8321	USEPA 8270 USEPA 8318 USEPA 8321	U.S. EPA AP-42; Chapter 9.2.2 Pesticide application
0050	Carbono orgânico total (COT)			NBR 10741 NE 1484:1997 USEPA 9060		
0051	Chumbo e compostos	7439-92-1	NE 14385:2004 USEPA 0060 waste incinerators USEPA 12 Inorganic Lead	NBR 10258 NBR 13810 NBR 14572	USEPA 1310 USEPA 6020 USEPA 6200	<p>U.S. EPA AP-42 Chapter 2: solid waste disposal</p> <p>PRTR Estimation Manual vol. 9 IRON CASTING INDUSTRY Japão 2005</p> <p>PRTR Estimation Manual vol. 8 CEMENT FIBERBOARD INDUSTRY Japão 2005</p>

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Ordem	Poluentes	N° CAS	Técnica analítica de medição			Métodos de cálculo e estimação
			Ar	Água	Solo	
0051	Chumbo e compostos	7439-92-1	USEPA 29 Metals Emissions from Stationary Sources	NE ISO 11885:1997	USEPA 6800	PRTR Estimation Manual vol. 6 ELECTROPLATING INDUSTRY Japão 2005
				USEPA 3005	USEPA 7000	PRTR Estimation Manual vol. 29 SWITCHGEAR and CONTROLGEAR MANUFACTURING INDUSTRY Japão 2005
				USEPA 3010		PRTR Estimation Manual vol. 27 BONDED ADHESIVE PRODUCTS MANUFACTURING INDUSTRY Japão 2005
				USEPA 6010		PRTR Estimation Manual vol. 25 FORGING INDUSTRY Japão 2005
				USEPA 6020		PRTR Estimation Manual vol. 22 PAINTING COATING PROCESSES Japão 2005
				USEPA 6800		PRTR Estimation Manual vol. 20 ADHESIVE TAPE MANUFACTURING INDUSTRY Japão 2005
				USEPA 7000		PRTR Estimation Manual vol. 18 AIRCRAFT MAINTENANCE INDUSTRY Japão 2005
						PRTR Estimation Manual vol. 17 NON FERROUS METAL CASTING INDUSTRY Japão 2005
						PRTR Estimation Manual vol. 16 HOUSING MANUFACTURING INDUSTRY Japão 2005
						PRTR Estimation Manual vol. 13 VALVE MANUFACTURING INDUSTRY Japão 2005
						PRTR Estimation Manual vol. 10 DIE CASTING INDUSTRY Japão 2005
						Emission Estimation Technique Manual for Glass and Glass Fibre Manufacturing NPI 1999
						PRTR Estimation Manual vol. 5 HOT-DIP INDUSTRY Japão 2005
						Emission Estimation Technique Manual for Timber and Wood Product Manufacturing NPI 1999
						Emission Estimation Technique Manual for Railway Yard Operations NPI 1999
						Emission Estimation Technique Manual for Lime and Dolomite Manufacturing NPI 1999
						Emission Estimation Technique Manual for Lead Concentrating, Smelting and Refining NPI 1999
						Emission Estimation Technique Manual for Iron & Steel Production NPI 1999
						Emission Estimation Technique Manual for Intensive Livestock - Beef Cattle NPI 1999
						Emission Estimation Technique Manual for Inorganic Chemicals Manufacturing NPI 1999 -
						Emission Estimation Technique Manual for Organic Chemical Processing Industries NPI 1999
						Emission Estimation Technique Manual for Hot Mix Asphalt Manufacturing NPI 1999

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Ordem	Poluentes	N° CAS	Técnica analítica de medição			Métodos de cálculo e estimação
			Ar	Água	Solo	
						<p>Emission Estimation Technique Manual for Gold Ore Processing NPI 2001</p> <p>Emission Estimation Technique Manual for Gas Supply NPI 1999</p> <p>Emission Estimation Technique Manual for Galvanizing NPI 1999</p> <p>Emission Estimation Technique Manual for Fossil Fuel Electric Power Generation NPI 1999</p> <p>Emission Estimation Technique Manual for Ferroalloy Production NPI 1999</p> <p>Emission Estimation Technique Manual for Confectionery Manufacture NPI 1999</p> <p>Emission Estimation Technique Manual for Combustion in Boilers - Manual and Addendum NPI 2003</p> <p>Emission Estimation Technique Manual for Combustion Engines NPI 2002</p> <p>Emission Estimation Technique Manual for Bricks, Ceramics & Clay Product Manufacturing NPI 1998</p> <p>Emission Estimation Technique Manual for Beer Manufacturing NPI 1999</p> <p>Emission Estimation Technique Manual for Appliance, Machinery and Electrical Equipment Manufacture NPI 1999</p> <p>Emission Estimation Technique Manual for Aluminum Smelting NPI 1999</p> <p>Emission Estimation Technique Manual for Alumina Refining NPI 1999</p> <p>Emission Estimation Technique Manual for Aggregated Emissions from Printing and Paved and Unpaved roads NPI 1999</p> <p>Emission Estimation Technique Manual for Aggregated Emissions from Fuel Combustion (sub-threshold) NPI 1999</p> <p>Emission Estimation Technique Manual for Aggregated Emissions from Fuel and Organic Liquid Storage NPI 2003</p> <p>Emission Estimation Technique Manual for Aggregated Emissions from Aircraft NPI 2003</p> <p>Emission Estimation Technique Manual for Aggregated Emissions for Cement Manufacturing NPI 1999</p>
0052	Chumbo tetraetila	78-00-2	NBR 5777			
0053	Chumbo tetrametila	75-74-1				

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Ordem	Poluentes	N° CAS	Técnica analítica de medição			Métodos de cálculo e estimação
			Ar	Água	Solo	
0054	Cianetos	57-12-5		NE ISO 14403:2002 NBR 12642:1999 NBR 13744:1996 USEPA 9012 USEPA 9014	USEPA 9013 USEPA 9014	PRTR Estimation Manual vol. 6 ELECTROPLATING INDUSTRY Japão 2005 PRTR Estimation Manual vol. 25 FORGING INDUSTRY Japão 2005 Emission Estimation Technique Manual for Iron & Steel Production NPI 1999 Emission Estimation Technique Manual for Gold Ore Processing NPI 2001 Emission Estimation Technique Manual for Fossil Fuel Electric Power Generation NPI 1999 Emission Estimation Technique Manual for Aluminum Smelting NPI 1999 Emission Estimation Technique Manual for Aggregated Emissions from Fuel Combustion (sub-treshold) NPI 1999
0055	Ciclo-hexano	110-82-7				U.S. EPA AP-42 Chapter 4: 4.3 waste water collection, treatment and storage U.S. EPA AP-42 Chapter 7: Liquid Storage Tanks PRTR Estimation Manual vol. 7 ASBESTOS INDUSTRY Japão 2005 Emission Estimation Technique Manual for Surface Coating NPI 1999 Emission Estimation Technique Manual for Gas Supply NPI 1999 Emission Estimation Technique Manual for Combustion in Boilers - Manual and Addendum NPI 2003 Emission Estimation Technique Manual for Combustion Engines NPI 2002 Emission Estimation Technique Manual for Aluminum Smelting NPI 1999 Emission Estimation Technique Manual for Alumina Refining NPI 1999 Emission Estimation Technique Manual for Aggregated Emissions from Motor Vehicle Refinishing NPI 1999 Emission Estimation Technique Manual for Aggregated Emissions from Fuel Combustion (sub-treshold) NPI 1999 Emission Estimation Technique Manual for Aggregated Emissions from Fuel and Organic Liquid Storage NPI 2003 Emission Estimation Technique Manual for Aggregated Emissions from Cutback Bitumen NPI 1999
0056	Cipermetrina	52315-07-8				

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Ordem	Poluentes	N° CAS	Técnica analítica de medição			Métodos de cálculo e estimação
			Ar	Água	Solo	
0057	Clordano	57-74-9	USEPA 8270	USEPA 8270	USEPA 3562 USEPA 4041 USEPA 8270	
0058	Clordecon	143-50-0				
0059	Clordimeforme	6164-98-3				
0060	Cloreto de etila	75-00-3	USEPA 5041 USEPA 8260 USEPA 8261	USEPA 5032 USEPA 8021 USEPA 8260 USEPA 8261	USEPA 3562 USEPA 5032 USEPA 5032 USEPA 8021 USEPA 8260 USEPA 8261	U.S. EPA AP-42 Chapter 2: solid waste disposal U.S. EPA AP-42 Chapter 4: 4.3 waste water collection, treatment and storage U.S. EPA AP-42 Chapter 7: Liquid Storage Tanks Emission Estimation Technique Manual for Combustion Engines NPI 2002 Emission Estimation Technique Manual for Bricks, Ceramics & Clay Product Manufacturing NPI 1998
0061	Cloreto de metila	74-87-3	USEPA 5041 USEPA 8260 USEPA 8261	USEPA 5032 USEPA 8021 USEPA 8260 USEPA 8261	USEPA 5021 USEPA 5032 USEPA 8021 USEPA 8260 USEPA 8261	U.S. EPA AP-42 Chapter 2: solid waste disposal U.S. EPA AP-42 Chapter 4: 4.3 waste water collection, treatment and storage
0062	Cloreto de vinila	75-01-4	USEPA 0030 USEPA 5041 USEPA 8260 USEPA 8261	USEPA 8021 USEPA 8260 USEPA 8261	USEPA 5021 USEPA 8021 USEPA 8260 USEPA 8261	U.S. EPA AP-42 Chapter 4: 4.3 waste water collection, treatment and storage PRTR Estimation Manual vol. 6 ELECTROPLATING INDUSTRY Japão 2005 PRTR Estimation Manual vol. 16 HOUSING MANUFACTURING INDUSTRY Japão 2005 Emission Estimation Technique Manual for Combustion Engines NPI 2002 Emission Estimation Technique Manual for Aluminum Smelting NPI 1999
0063	Clorfenvinfos	470-90-6	USEPA 8270	USEPA 8141 USEPA 8270	USEPA 8141 USEPA 8270	

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Ordem	Poluentes	N° CAS	Técnica analítica de medição			Métodos de cálculo e estimação
			Ar	Água	Solo	
0064	Cloro e compostos inorgânicos (exceto HCl)	7782-50-5	NE 1911-1 a-3:2003 USEPA 0050	NE ISO 10304-1:1995 NE ISO 10304-4:1999 NE ISO 10304-2:1996 NE ISO 15682:2001	USEPA 5050	Emission Estimation Technique Manual for Organic Chemical Processing Industries NPI 1999 Emission Estimation Technique Manual for Galvanizing NPI 1999 Emission Estimation Technique Manual for Fruit and Vegetable Processing Industry NPI 1999 Emission Estimation Technique Manual for Fossil Fuel Electric Power Generation NPI 1999 Emission Estimation Technique Manual for Bricks, Ceramics & Clay Product Manufacturing NPI 1998 Emission Estimation Technique Manual for Aluminum Smelting NPI 1999
0065	Clorobenzeno	108-90-7	USEPA 0030 USEPA 5041 USEPA 8260 USEPA 8261	USEPA 5032 USEPA 8021 USEPA 8260 USEPA 8261	USEPA 5021 USEPA 5032 USEPA 8021 USEPA 8260 USEPA 8261	U.S. EPA AP-42 Chapter 2: solid waste disposal U.S. EPA AP-42 Chapter 7: Liquid Storage Tanks Emission Estimation Technique Manual for Lime and Dolomite Manufacturing NPI 1999
0066	Clorobenzilato	510-15-6		USEPA 8081	USEPA 8081	U.S. EPA AP-42; Chapter 9.2.2 Pesticide application
0067	Clorofenóis (di, tri, tetra)	25167-81-1 (di); 25167-82-2 (tri); 58-90-2 (tetra)				
0068	Clorofórmio	67-66-3	USEPA 0030 USEPA 0031 USEPA 5041 USEPA 8260 USEPA 8261	NBR 13407 USEPA 5032 USEPA 8021 USEPA 8260	USEPA 5021 USEPA 5032 USEPA 8021 USEPA 8260	U.S. EPA AP-42 Chapter 2: solid waste disposal U.S. EPA AP-42 Chapter 7: Liquid Storage Tanks PRTR Estimation Manual vol. 1 PAPER INDUSTRY Japão 2005 Emission Estimation Technique Manual for Combustion Engines NPI 2002 Emission Estimation Technique Manual for Bricks, Ceramics & Clay Product Manufacturing NPI 1998 Emission Estimation Technique Manual for Aluminum Smelting NPI 1999

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Ordem	Poluentes	N° CAS	Técnica analítica de medição			Métodos de cálculo e estimação
			Ar	Água	Solo	
0069	3-Cloropropionitrila	542-76-7	USEPA 8260	USEPA 8260	USEPA 8260	
0070	Clorpirifós	2921-88-2		USEPA 8141	USEPA 8141	U.S. EPA AP-42; Chapter 9.2.2 Pesticide application
0071	Cobalto e compostos	7440-48-4	USEPA 0060 waste incinerators USEPA 29 Metals Emissions from Stationary Sources	NBR 13810 USEPA 3005 USEPA 3010 USEPA 6010 USEPA 6020 USEPA 7000	USEPA 6020 USEPA 6200 USEPA 7000 NBR 9175 NBR 9217	U.S. EPA AP-42 Chapter 2: solid waste disposal PRTR Estimation Manual vol. 8 CEMENT FIBERBOARD INDUSTRY Japão 2005 PRTR Estimation Manual vol. 6 ELECTROPLATING INDUSTRY Japão 2005 PRTR Estimation Manual vol. 26 CEMENTED CARBIDE TOOL INDUSTRY Japão 2005 PRTR Estimation Manual vol. 22 PAINTING COATING PROCESSES Japão 2005 Emission Estimation Technique Manual for Railway Yard Operations NPI 1999 Emission Estimation Technique Manual for Iron & Steel Production NPI 1999 Emission Estimation Technique Manual for Gold Ore Processing NPI 2001 Emission Estimation Technique Manual for Galvanizing NPI 1999 Emission Estimation Technique Manual for Fossil Fuel Electric Power Generation NPI 1999 Emission Estimation Technique Manual for Ferroalloy Production NPI 1999 Emission Estimation Technique Manual for Combustion in Boilers - Manual and Addendum NPI 2003 Emission Estimation Technique Manual for Combustion Engines NPI 2002 Emission Estimation Technique Manual for Bricks, Ceramics & Clay Product Manufacturing NPI 1998 Emission Estimation Technique Manual for Aluminum Smelting NPI 1999 Emission Estimation Technique Manual for Alumina Refining NPI 1999 Emission Estimation Technique Manual for Aggregated Emissions from Printing and Paved and Unpaved roads NPI 1999 Emission Estimation Technique Manual for Aggregated Emissions from Fuel Combustion (sub-threshold) NPI 1999

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Ordem	Poluentes	N° CAS	Técnica analítica de medição			Métodos de cálculo e estimação
			Ar	Água	Solo	
0072	Cobre e compostos	7440-50-8	NE 14385:2004 USEPA 0060 waste incinerators USEPA 29 Metals Emissions from Stationary Sources	NE ISO 11885:1997 USEPA 3005 USEPA 3010 USEPA 6010 USEPA 6020 USEPA 6800 USEPA 7000	USEPA 6020 USEPA 6200 USEPA 6800 USEPA 7000	<p>PRTR Estimation Manual vol. 6 ELECTROPLATING INDUSTRY Japão 2005</p> <p>Emission Estimation Technique Manual for Timber and Wood Product Manufacturing NPI 1999</p> <p>Emission Estimation Technique Manual for Railway Yard Operations NPI 1999</p> <p>Emission Estimation Technique Manual for Lime and Dolomite Manufacturing NPI 1999</p> <p>Emission Estimation Technique Manual for Iron & Steel Production NPI 1999</p> <p>Emission Estimation Technique Manual for Intensive Livestock - Beef Cattle NPI 1999</p> <p>Emission Estimation Technique Manual for Inorganic Chemicals Manufacturing NPI 1999 - Emission Estimation Technique Manual for Organic Chemical Processing Industries NPI 1999</p> <p>Emission Estimation Technique Manual for Hot Mix Asphalt Manufacturing NPI 1999</p> <p>Emission Estimation Technique Manual for Gas Supply NPI 1999</p> <p>Emission Estimation Technique Manual for Galvanizing NPI 1999</p> <p>Emission Estimation Technique Manual for Fossil Fuel Electric Power Generation NPI 1999</p> <p>Emission Estimation Technique Manual for Ferroalloy Production NPI 1999</p> <p>Emission Estimation Technique Manual for Ferris Foundries NPI 1999</p> <p>Emission Estimation Technique Manual for Confectionery Manufacture NPI 1999</p> <p>Emission Estimation Technique Manual for Combustion in Boilers - Manual and Addendum NPI 2003</p> <p>Emission Estimation Technique Manual for Combustion Engines NPI 2002</p> <p>Emission Estimation Technique Manual for Beer Manufacturing NPI 1999</p> <p>Emission Estimation Technique Manual for Appliance, Machinery and Electrical Equipment Manufacture NPI 1999</p> <p>Emission Estimation Technique Manual for Aluminum Smelting NPI 1999</p> <p>Emission Estimation Technique Manual for Alumina Refining NPI 1999</p> <p>Emission Estimation Technique Manual for Aggregated Emissions from Printing and Paved and Unpaved roads NPI 1999</p>

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Ordem	Poluentes	N° CAS	Técnica analítica de medição			Métodos de cálculo e estimação
			Ar	Água	Solo	
0072	Cobre e compostos					Emission Estimation Technique Manual for Aggregated Emissions from Fuel Combustion (sub-threshold) NPI 1999 Emission Estimation Technique Manual for Aggregated Emissions for Cement Manufacturing NPI 1999
0073	Compostos orgânicos halogenados absorvíveis (expressos em AOX - adsorbable organic halogen)			NE ISO 9562:2004		
0074	Compostos orgânicos voláteis não-metânicos (COVNM)		NE 13649:2001 USEPA 25			Emission Estimation Technique Manual for Surface Coating NPI 1999 Emission Estimation Technique Manual for Railway Yard Operations NPI 1999 Emission Estimation Technique Manual for Iron & Steel Production NPI 1999 Emission Estimation Technique Manual for Intensive Livestock - Beef Cattle NPI 1999 Emission Estimation Technique Manual for Inorganic Chemicals Manufacturing NPI 1999 - Emission Estimation Technique Manual for Organic Chemical Processing Industries NPI 1999 Emission Estimation Technique Manual for Hot Mix Asphalt Manufacturing NPI 1999 Emission Estimation Technique Manual for Gold Ore Processing NPI 2001 Emission Estimation Technique Manual for Gas Supply NPI 1999 Emission Estimation Technique Manual for Galvanizing NPI 1999 Emission Estimation Technique Manual for Fruit and Vegetable Processing Industry NPI 1999 Emission Estimation Technique Manual for Fossil Fuel Electric Power Generation NPI 1999 Emission Estimation Technique Manual for Explosives Manufacturing NPI 1999 Emission Estimation Technique Manual for Confectionery Manufacture NPI 1999 Emission Estimation Technique Manual for Combustion in Boilers - Manual and Addendum NPI 2003 Emission Estimation Technique Manual for Combustion Engines NPI 2002 Emission Estimation Technique Manual for Bricks, Ceramics & Clay Product Manufacturing NPI 1998 Emission Estimation Technique Manual for Bread Manufacturing NPI 2003

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Ordem	Poluentes	N° CAS	Técnica analítica de medição			Métodos de cálculo e estimação
			Ar	Água	Solo	
0074	Compostos orgânicos voláteis não-metânicos (COVNM)					<p>Emission Estimation Technique Manual for Beer Manufacturing NPI 1999</p> <p>Emission Estimation Technique Manual for Appliance, Machinery and Electrical Equipment Manufacture NPI 1999</p> <p>Emission Estimation Technique Manual for Aluminum Smelting NPI 1999</p> <p>Emission Estimation Technique Manual for Airports NPI 2001</p> <p>Emission Estimation Technique Manual for Aggregated Emissions from Printing and Graphic Arts NPI 1999</p> <p>Emission Estimation Technique Manual for Aggregated Emissions from Motor Vehicle Refinishing NPI 1999</p> <p>Emission Estimation Technique Manual for Aggregated Emissions from Fuel Combustion (sub-threshold) NPI 1999</p> <p>Emission Estimation Technique Manual for Aggregated Emissions from Fuel and Organic Liquid Storage NPI 2003</p> <p>Emission Estimation Technique Manual for Aggregated Emissions from Cutback Bitumen NPI 1999</p> <p>Emission Estimation Technique Manual for Aggregated Emissions from Aircraft NPI 2003</p> <p>Emission Estimation Technique Manual for Aggregated Emissions for Cement Manufacturing NPI 1999</p>
0075	Cresol	1319-77-3				<p>U.S. EPA AP-42 Chapter 4: 4.3 waste water collection, treatment and storage</p> <p>U.S. EPA AP-42 Chapter 7: Liquid Storage Tanks</p>
0076	Crocidolita (ver também amianto)	12001-28-4				
0077	Cromo e compostos	7440-47-3	NBR 11054 NE 14385:2004 USEPA 0060 waste incinerators	NBR 11054 NBR 13740 NBR 13341	NBR 11054 USEPA 1310 USEPA 6020	<p>U.S. EPA AP-42 Chapter 2: solid waste disposal</p> <p>PRTR Estimation Manual vol. 9 IRON CASTING INDUSTRY Japão 2005</p> <p>PRTR Estimation Manual vol. 8 CEMENT FIBERBOARD INDUSTRY Japão 2005</p>

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Ordem	Poluentes	N° CAS	Técnica analítica de medição			Métodos de cálculo e estimação
			Ar	Água	Solo	
0077	Cromo e compostos	7440-47-3	USEPA 29 Metals Emissions from Stationary Sources	NBR 14176 NE 1233:1996 NE ISO 11885:1997 USEPA 3005 USEPA 3010 USEPA 6010 USEPA 6020 USEPA 6800 USEPA 7000	USEPA 6200 USEPA 6800 USEPA 7000	<p>PRTR Estimation Manual vol. 6 ELECTROPLATING INDUSTRY Japão 2005</p> <p>PRTR Estimation Manual vol. 5 HOT-DIP INDUSTRY Japão 2005</p> <p>PRTR Estimation Manual vol. 29 SWITCHGEAR and CONTROLGEAR MANUFACTURING INDUSTRY Japão 2005</p> <p>PRTR Estimation Manual vol. 27 BONDED ADHESIVE PRODUCTS MANUFACTURING INDUSTRY Japão 2005</p> <p>PRTR Estimation Manual vol. 26 CEMENTED CARBIDE TOOL INDUSTRY Japão 2005</p> <p>PRTR Estimation Manual vol. 25 FORGING INDUSTRY Japão 2005</p> <p>PRTR Estimation Manual vol. 22 PAINTING COATING PROCESSES Japão 2005</p> <p>PRTR Estimation Manual vol. 20 ADHESIVE TAPE MANUFACTURING INDUSTRY Japão 2005</p> <p>PRTR Estimation Manual vol. 18 AIRCRAFT MAINTENANCE INDUSTRY Japão 2005</p> <p>PRTR Estimation Manual vol. 17 NON FERROUS METAL CASTING INDUSTRY Japão 2005</p> <p>PRTR Estimation Manual vol. 13 VALVE MANUFACTURING INDUSTRY Japão 2005</p> <p>PRTR Estimation Manual vol. 10 DIE CASTING INDUSTRY Japão 2005</p> <p>Emission Estimation Technique Manual for Timber and Wood Product Manufacturing NPI 1999</p> <p>Emission Estimation Technique Manual for Railway Yard Operations NPI 1999</p> <p>Emission Estimation Technique Manual for Lime and Dolomite Manufacturing NPI 1999</p> <p>Emission Estimation Technique Manual for Iron & Steel Production NPI 1999</p> <p>Emission Estimation Technique Manual for Intensive Livestock - Beef Cattle NPI 1999</p> <p>Emission Estimation Technique Manual for Inorganic Chemicals Manufacturing NPI 1999 - Emission Estimation Technique Manual for Organic Chemical Processing Industries NPI 1999</p> <p>Emission Estimation Technique Manual for Hot Mix Asphalt Manufacturing NPI 1999</p> <p>Emission Estimation Technique Manual for Gold Ore Processing NPI 2001</p> <p>Emission Estimation Technique Manual for Glass and Glass Fibre Manufacturing NPI 1999</p>

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Ordem	Poluentes	N° CAS	Técnica analítica de medição			Métodos de cálculo e estimação
			Ar	Água	Solo	
0077	Cromo e compostos	7440-47-3				<p>Emission Estimation Technique Manual for Gas Supply NPI 1999</p> <p>Emission Estimation Technique Manual for Galvanizing NPI 1999</p> <p>Emission Estimation Technique Manual for Fruit and Vegetable Processing Industry NPI 1999</p> <p>Emission Estimation Technique Manual for Fossil Fuel Electric Power Generation NPI 1999</p> <p>Emission Estimation Technique Manual for Ferris Foundries NPI 1999</p> <p>Emission Estimation Technique Manual for Confectionery Manufacture NPI 1999</p> <p>Emission Estimation Technique Manual for Combustion in Boilers - Manual and Addendum NPI 2003</p> <p>Emission Estimation Technique Manual for Combustion Engines NPI 2002</p> <p>Emission Estimation Technique Manual for Bricks, Ceramics & Clay Product Manufacturing NPI 1998</p> <p>Emission Estimation Technique Manual for Beer Manufacturing NPI 1999</p> <p>Emission Estimation Technique Manual for Appliance, Machinery and Electrical Equipment Manufacture NPI 1999</p> <p>Emission Estimation Technique Manual for Aluminum Smelting NPI 1999</p> <p>Emission Estimation Technique Manual for Alumina Refining NPI 1999</p> <p>Emission Estimation Technique Manual for Aggregated Emissions from Fuel Combustion (sub-threshold) NPI 1999</p> <p>Emission Estimation Technique Manual for Aggregated Emissions from Aircraft NPI 2003</p> <p>Emission Estimation Technique Manual for Aggregated Emissions for Cement Manufacturing NPI 1999</p>
0078	Cumeno	98-82-8				<p>U.S. EPA AP-42 Chapter 2: solid waste disposal</p> <p>U.S. EPA AP-42 Chapter 7: Liquid Storage Tanks</p> <p>U.S. EPA AP-42 Chapter 4: 4.3 waste water colletion, treatment and storage</p> <p>Emission Estimation Technique Manual for Iron & Steel Production NPI 1999</p> <p>Emission Estimation Technique Manual for Combustion in Boilers - Manual and Addendum NPI 2003</p> <p>Emission Estimation Technique Manual for Aluminum Smelting NPI 1999</p> <p>Emission Estimation Technique Manual for Aggregated Emissions from Fuel Combustion (sub-threshold) NPI 1999</p>

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Ordem	Poluentes	N° CAS	Técnica analítica de medição			Métodos de cálculo e estimação
			Ar	Água	Solo	
0078	Cumeno	98-82-8				Emission Estimation Technique Manual for Aggregated Emissions from Fuel and Organic Liquid Storage NPI 2003 Emission Estimation Technique Manual for Aggregated Emissions from Cutback Bitumen NPI 1999
0079	DDT	50-29-3	USEPA 8085 USEPA 8270	NE ISO 6468:1996 USEPA 8270	USEPA 4042 USEPA 8270	
0080	Di(2-Etilhexil) ftalato	117-81-7		NE ISO 18856:2005 USEPA 8061 USEPA 8410	USEPA 8061 USEPA 8410	U.S. EPA AP-42 Chapter 2: solid waste disposal PRTR Estimation Manual vol. 4 AUTOMOBILE MAINTENANCE INDUSTRY Japão 2005 PRTR Estimation Manual vol. 25 FORGING INDUSTRY Japão 2005 PRTR Estimation Manual vol. 22 PAINTING COATING PROCESSES Japão 2005 PRTR Estimation Manual vol. 21 FIBER REINFORCED PLASTIC MANUFACTURING INDUSTRY Japão 2005 PRTR Estimation Manual vol. 20 ADHESIVE TAPE MANUFACTURING INDUSTRY Japão 2005 PRTR Estimation Manual vol. 2 LIGHT METAL PRODUCTS INDUSTRY Japão 2005 PRTR Estimation Manual vol. 16 HOUSING MANUFACTURING INDUSTRY Japão 2005 Emission Estimation Technique Manual for Lime and Dolomite Manufacturing NPI 1999 Emission Estimation Technique Manual for Aggregated Emissions from Fuel Combustion (sub-threshold) NPI 1999
0081	Dibrometo de etileno	106-93-4	USEPA 0030 Volatile Organic Sampling Train USEPA 8260	USEPA 8011 USEPA 8021 USEPA 8260	USEPA 5021 USEPA 8021 USEPA 8260	U.S. EPA AP-42 Chapter 2: solid waste disposal
0082	Dibutilftalato	84-74-2	USEPA 8270	USEPA 8061 USEPA 8270 USEPA 8410	USEPA 8061 USEPA 8270 USEPA 8410	U.S. EPA AP-42 Chapter 4: 4.3 waste water collection, treatment and storage U.S. EPA AP-42; Chapter 9.2.2 Pesticide application PRTR Estimation Manual vol. 8 CEMENT FIBERBOARD INDUSTRY Japão 2005 PRTR Estimation Manual vol. 27 BONDED ADHESIVE PRODUCTS MANUFACTURING INDUSTRY Japão 2005

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Ordem	Poluentes	N° CAS	Técnica analítica de medição			Métodos de cálculo e estimação
			Ar	Água	Solo	
0082	Dibutilftalato	84-74-2				PRTR Estimation Manual vol. 24 CORRUGATED PACKAGING INDUSTRY Japão 2005 PRTR Estimation Manual vol. 22 PAINTING COATING PROCESSES Japão 2005 PRTR Estimation Manual vol. 21 FIBER REINFORCED PLASTIC MANUFACTURING INDUSTRY Japão 2005 PRTR Estimation Manual vol. 20 ADHESIVE TAPE MANUFACTURING INDUSTRY Japão 2005 PRTR Estimation Manual vol. 16 HOUSING MANUFACTURING INDUSTRY Japão 2005
0083	Diclorobenzeno (mistura de isômeros orto ^a e para ^b)	106-46-7 (para); 95-50-1 (orto)	USEPA 8260 USEPA 8261	USEPA 8021 USEPA 8121 USEPA 8260 USEPA 8261 USEPA 8410	USEPA 5021 USEPA 8021 USEPA 8121 USEPA 8260 USEPA 8261 USEPA 8410	U.S. EPA AP-42 Chapter 2: solid waste disposal U.S. EPA AP-42 Chapter 4: 4.3 waste water collection, treatment and storage
0084	Dicloroetano	107-06-2	USEPA 0030 USEPA 0031 USEPA 5041 USEPA 8260 USEPA 8261	NE ISO 10301:1997 NE ISO 15680:2003 USEPA 5032 USEPA 8021 USEPA 8260 USEPA 8260 USEPA 8261	USEPA 5021 USEPA 5032 USEPA 8021 USEPA 8260 USEPA 8261	U.S. EPA AP-42 Chapter 2: solid waste disposal U.S. EPA AP-42 Chapter 7: Liquid Storage Tanks U.S. EPA AP-42 Chapter 4: 4.3 waste water collection, treatment and storage PRTR Estimation Manual vol. 25 FORGING INDUSTRY Japão 2005 PRTR Estimation Manual vol. 16 HOUSING MANUFACTURING INDUSTRY Japão 2005 Emission Estimation Technique Manual for Combustion Engines NPI 2002
0085	Diclorometano	75-45-6		NBR 10544 NBR 11030 NBR 14001 NBR 14583 NE ISO 10301:1997 NE ISO 15680:2003		U.S. EPA AP-42 Chapter 2: solid waste disposal PRTR Estimation Manual vol. 6 ELECTROPLATING INDUSTRY Japão 2005 PRTR Estimation Manual vol. 4 AUTOMOBILE MAINTENANCE INDUSTRY Japão 2005 PRTR Estimation Manual vol. 3 METAL HEAT TREATMENT INDUSTRY Japão 2005 PRTR Estimation Manual vol. 21 FIBER REINFORCED PLASTIC MANUFACTURING INDUSTRY Japão 2005 PRTR Estimation Manual vol. 13 VALVE MANUFACTURING INDUSTRY Japão 2005 Emission Estimation Technique Manual for Timber and Wood Product Manufacturing NPI



Cont.

Ordem	Poluentes	N° CAS	Técnica analítica de medição			Métodos de cálculo e estimação
			Ar	Água	Solo	
0085	Diclorometano	75-45-6				Emission Estimation Technique Manual for Lime and Dolomite Manufacturing NPI 1999 Emission Estimation Technique Manual for Ferris Foundries NPI 1999 Emission Estimation Technique Manual for Aluminum Smelting NPI 1999 Emission Estimation Technique Manual for Aggregated Emissions from Motor Vehicle Refinishing NPI 1999 Emission Estimation Technique Manual for Aggregated Emissions from Fuel Combustion (sub-threshold) NPI 1999 Emission Estimation Technique Manual for Aggregated Emissions for Cement Manufacturing NPI 1999
0086	Dieldrin	60-57-1	USEPA 8085 USEPA 8270	NE ISO 6468:1996 USEPA 8081 USEPA 8270	USEPA 3562 USEPA 8081 USEPA 8270	
0087	Dietanolamina	111-42-2				
0088	Difenilamina	122-39-4	USEPA 8270	USEPA 8270	USEPA 8270	U.S. EPA AP-42 Chapter 4: 4.3 waste water collection, treatment and storage
0089	Diisocianato de tolueno	26471-62-5				
0090	Dimetilamina	124-40-3				
0091	Dimetilformamida	68-12-2				U.S. EPA AP-42 Chapter 4: 4.3 waste water collection, treatment and storage PRTR Estimation Manual vol. 1 PAPER INDUSTRY Japão 2005
0092	Dinitro-orto-cresol e sais	534-52-1				
0093	Dinitrotolueno (mistura de isômeros)	25321-14-6				

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Ordem	Poluentes	N° CAS	Técnica analítica de medição			Métodos de cálculo e estimação
			Ar	Água	Solo	
0094	Dinoseb	88-85-7	USEPA 8085 USEPA 8270 USEPA 8321	USEPA 8151 USEPA 8270 USEPA 8321	USEPA 8151 USEPA 8270 USEPA 8321	
0095	Dioxano	123-91-1	USEPA 0030 USEPA 8260	USEPA 8260	USEPA 8260	U.S. EPA AP-42 Chapter 4: 4.3 waste water collection, treatment and storage U.S. EPA AP-42 Chapter 7: Liquid Storage Tanks
0096	Dióxido de carbono	124-38-9	NBR 6601 NBR 14489 NBR 13540 NBR NM 20 NBR ISO 14064:2007; partes 1,2 e 3 GHG Protocol: 2008 ISO 12039:2001			U.S. EPA AP-42 Chapter 2: solid waste disposal
0097	<u>Dioxinas e furanos [PCDD + PCDF (dioxinas + furanos expresso em Teq)]</u>		NE 1948-1 a-3:2006 USEPA 0023A USEPA 23 Dioxin and Furan	ISO 18073:2004 USEPA 8280		U.S. EPA AP-42 Chapter 2: solid waste disposal PRTR Estimation Manual vol. 24 CORRUGATED PACKAGING INDUSTRY Japão 2005 PRTR Estimation Manual vol. 11 ALUMINUM ALLOY MANUFACTURING INDUSTRY Japão 2005 PRTR Estimation Manual vol. 1 PAPER INDUSTRY Japão 2005 Emission Estimation Technique Manual for Lime and Dolomite Manufacturing NPI 1999 Emission Estimation Technique Manual for Iron & Steel Production NPI 1999 Emission Estimation Technique Manual for Intensive Livestock - Beef Cattle NPI 1999 Emission Estimation Technique Manual for Inorganic Chemicals Manufacturing NPI 1999 - Emission Estimation Technique Manual for Organic Chemical Processing Industries NPI 1999 Emission Estimation Technique Manual for Hot Mix Asphalt Manufacturing NPI 1999 Emission Estimation Technique Manual for Gold Ore Processing NPI 2001

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Ordem	Poluentes	N° CAS	Técnica analítica de medição			Métodos de cálculo e estimação
			Ar	Água	Solo	
						<p>Emission Estimation Technique Manual for Gas Supply NPI 1999</p> <p>Emission Estimation Technique Manual for Fossil Fuel Electric Power Generation NPI 1999</p> <p>Emission Estimation Technique Manual for Confectionery Manufacture NPI 1999</p> <p>Emission Estimation Technique Manual for Combustion in Boilers - Manual and Addendum NPI 2003</p> <p>Emission Estimation Technique Manual for Beer Manufacturing NPI 1999</p> <p>Emission Estimation Technique Manual for Appliance, Machinery and Electrical Equipment Manufacture NPI 1999</p> <p>Emission Estimation Technique Manual for Aluminum Smelting NPI 1999</p> <p>Emission Estimation Technique Manual for Aggregated Emissions for Cement Manufacturing NPI 1999</p>
0098	Dissulfeto de carbono	75-15-0	USEPA 0031 USEPA 5041 USEPA 8260 USEPA 8261 USEPA 15	USEPA 5032 USEPA 8260 USEPA 8261	USEPA 5032 USEPA 8260 USEPA 8261	<p>Emission Estimation Technique Manual for Lime and Dolomite Manufacturing NPI 1999</p> <p>Emission Estimation Technique Manual for Gold Ore Processing NPI 2001</p> <p>Emission Estimation Technique Manual for Bricks, Ceramics & Clay Product Manufacturing NPI 1998</p> <p>Emission Estimation Technique Manual for Aluminum Smelting NPI 1999</p> <p>Emission Estimation Technique Manual for Alumina Refining NPI 1999</p> <p>Emission Estimation Technique Manual for Aggregated Emissions from Fuel Combustion (sub-threshold) NPI 1999</p> <p>Emission Estimation Technique Manual for Aggregated Emissions for Cement Manufacturing NPI 1999</p>
0099	Diuron	330-54-1	USEPA 8085 USEPA 8321	NE ISO 11369:1997 USEPA 8321 USEPA 8325	USEPA 8321 USEPA 8325	U.S. EPA AP-42; Chapter 9.2.2 Pesticide application
0100	Endossulfan	115-29-7		NE ISO 6468:1996	USEPA 3562	U.S. EPA AP-42; Chapter 9.2.2 Pesticide application
0101	Endrin	72-20-8	USEPA 8085 USEPA 8270	NE ISO 6468:1996 USEPA 8081 USEPA 8270	USEPA 3562 USEPA 8081 USEPA 8270	

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Ordem	Poluentes	N° CAS	Técnica analítica de medição			Métodos de cálculo e estimação
			Ar	Água	Solo	
0102	Epicloridrina	106-89-8	USEPA 8260	USEPA 8021 USEPA 8260	USEPA 8021 USEPA 8260	U.S. EPA AP-42 Chapter 4: 4.3 waste water collection, treatment and storage U.S. EPA AP-42 Chapter 7: Liquid Storage Tanks
0103	Estanho e compostos	7440-31-5	NBR 6367 NBR 6367	NE ISO 17353:2005 NBR 6367 NBR 13813 NBR 7245	NBR 6367	
0104	Estireno	100-42-5	USEPA 5041 USEPA 8260 USEPA 8261	USEPA 5032 USEPA 8021 USEPA 8260 USEPA 8261	USEPA 5021 USEPA 5032 USEPA 8021 USEPA 8260 USEPA 8261	U.S. EPA AP-42 Chapter 7: Liquid Storage Tanks U.S. EPA AP-42 Chapter 4: 4.3 waste water collection, treatment and storage PRTR Estimation Manual vol. 22 PAINTING COATING PROCESSES Japão 2005 PRTR Estimation Manual vol. 21 FIBER REINFORCED PLASTIC MANUFACTURING INDUSTRY Japão 2005 PRTR Estimation Manual vol. 18 AIRCRAFT MAINTENANCE INDUSTRY Japão 2005 PRTR Estimation Manual vol. 16 HOUSING MANUFACTURING INDUSTRY Japão 2005 Emission Estimation Technique Manual for Lime and Dolomite Manufacturing NPI 1999 Emission Estimation Technique Manual for Gas Supply NPI 1999 Emission Estimation Technique Manual for Concrete Batching and Concrete Product Manufacturing NPI 1999 Emission Estimation Technique Manual for Combustion in Boilers - Manual and Addendum NPI 2003 Emission Estimation Technique Manual for Combustion Engines NPI 2002 Emission Estimation Technique Manual for Bricks, Ceramics & Clay Product Manufacturing NPI 1998 Emission Estimation Technique Manual for Aluminum Smelting NPI 1999 Emission Estimation Technique Manual for Aggregated Emissions from Printing and Graphic Arts NPI 1999 Emission Estimation Technique Manual for Aggregated Emissions from Fuel Combustion (sub-threshold) NPI 1999 Emission Estimation Technique Manual for Aggregated Emissions from Cutback Bitumen NPI 1999 Emission Estimation Technique Manual for Aggregated Emissions from Aircraft NPI 2003 Emission Estimation Technique Manual for Aggregated Emissions for Cement Manufacturing

NPI 1999

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Ordem	Poluentes	N° CAS	Técnica analítica de medição			Métodos de cálculo e estimação
			Ar	Água	Solo	
0105	Etanol	64-17-5	NBR 15598 USEPA 8015 USEPA 8260 USEPA 8261	USEPA 5032 USEPA 8260 USEPA 8261	USEPA 5032 USEPA 8260 USEPA 8261	<p>U.S. EPA AP-42 Chapter 7: Liquid Storage Tanks</p> <p>U.S. EPA AP-42 Chapter 4: 4.3 waste water collection, treatment and storage</p> <p>U.S. EPA AP-42 Chapter 2: solid waste disposal</p> <p>Emission Estimation Technique Manual for Timber and Wood Product Manufacturing NPI 1999</p> <p>Emission Estimation Technique Manual for Surface Coating NPI 1999</p> <p>Emission Estimation Technique Manual for Concrete Batching and Concrete Product Manufacturing NPI 1999</p> <p>Emission Estimation Technique Manual for Bread Manufacturing NPI 2003</p> <p>Emission Estimation Technique Manual for Beer Manufacturing NPI 1999</p> <p>Emission Estimation Technique Manual for Aluminum Smelting NPI 1999</p> <p>Emission Estimation Technique Manual for Alumina Refining NPI 1999</p> <p>Emission Estimation Technique Manual for Aggregated Emissions from Printing and Graphic Arts NPI 1999</p>
0106	Éter monoetílico de etilenoglicol	110-80-5	NBR 11335	NBR 11335	NBR 11335	<p>PRTR Estimation Manual vol. 29 SWITCHGEAR and CONTROLGEAR MANUFACTURING INDUSTRY Japão 2005</p> <p>PRTR Estimation Manual vol. 25 FORGING INDUSTRY Japão 2005</p> <p>PRTR Estimation Manual vol. 22 PAINTING COATING PROCESSES Japão 2005</p> <p>PRTR Estimation Manual vol. 18 AIRCRAFT MAINTENANCE INDUSTRY Japão 2005</p> <p>PRTR Estimation Manual vol. 16 HOUSING MANUFACTURING INDUSTRY Japão 2005</p> <p>PRTR Estimation Manual vol. 15 INDUSTRIAL CLEANING INDUSTRY Japão 2005</p> <p>PRTR Estimation Manual vol. 12 CAN MANUFACTURING INDUSTRY Japão 2005</p>
0107	Éter monometílico de dietilenoglicol	111-77-3				

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Ordem	Poluentes	N° CAS	Técnica analítica de medição			Métodos de cálculo e estimação
			Ar	Água	Solo	
0108	Éter monometílico de etileno-glicol	109-86-4				<p>PRTR Estimation Manual vol. 29 SWITCHGEAR and CONTROLGEAR MANUFACTURING INDUSTRY Japão 2005</p> <p>PRTR Estimation Manual vol. 22 PAINTING COATING PROCESSES Japão 2005</p> <p>PRTR Estimation Manual vol. 19 AUTOMOBILE CHEMICAL MANUFACTURING INDUSTRY Japão 2005</p> <p>PRTR Estimation Manual vol. 18 AIRCRAFT MAINTENANCE INDUSTRY Japão 2005</p> <p>PRTR Estimation Manual vol. 15 INDUSTRIAL CLEANING INDUSTRY Japão 2005</p> <p>PRTR Estimation Manual vol. 12 CAN MANUFACTURING INDUSTRY Japão 2005</p>
0109	Etilbenzeno	100-41-4	USEPA 5041 USEPA 8015 USEPA 8260 USEPA 8261	NE ISO 15680:2003 USEPA 5032 USEPA 8021 USEPA 8260 USEPA 8261	USEPA 5021 USEPA 5032 USEPA 8021 USEPA 8260 USEPA 8261	<p>U.S. EPA AP-42 Chapter 7: Liquid Storage Tanks</p> <p>U.S. EPA AP-42 Chapter 4: 4.3 waste water collection, treatment and storage</p> <p>U.S. EPA AP-42 Chapter 2: solid waste disposal</p> <p>PRTR Estimation Manual vol. 4 AUTOMOBILE MAINTENANCE INDUSTRY Japão 2005</p> <p>PRTR Estimation Manual vol. 29 SWITCHGEAR and CONTROLGEAR MANUFACTURING INDUSTRY Japão 2005</p> <p>PRTR Estimation Manual vol. 23 GASOLINE SERVICE STATION Japão 2005</p> <p>PRTR Estimation Manual vol. 22 PAINTING COATING PROCESSES Japão 2005</p> <p>PRTR Estimation Manual vol. 19 AUTOMOBILE CHEMICAL MANUFACTURING INDUSTRY Japão 2005</p> <p>PRTR Estimation Manual vol. 18 AIRCRAFT MAINTENANCE INDUSTRY Japão 2005</p> <p>PRTR Estimation Manual vol. 14 LAUNDRY and DRY CLEANING INDUSTRY Japão 2005</p> <p>Emission Estimation Technique Manual for Railway Yard Operations NPI 1999</p> <p>Emission Estimation Technique Manual for Lime and Dolomite Manufacturing NPI 1999</p> <p>Emission Estimation Technique Manual for Gas Supply NPI 1999</p> <p>Emission Estimation Technique Manual for Combustion in Boilers - Manual and Addendum NPI 2003</p> <p>Emission Estimation Technique Manual for Combustion Engines NPI 2002</p> <p>Emission Estimation Technique Manual for Bricks, Ceramics & Clay Product Manufacturing NPI 1998</p> <p>Emission Estimation Technique Manual for Aluminum Smelting NPI 1999</p> <p>Emission Estimation Technique Manual for Alumina Refining NPI 1999</p>

Cont.

Ordem	Poluentes	N° CAS	Técnica analítica de medição			Métodos de cálculo e estimação
			Ar	Água	Solo	
0109	Etilbenzeno	100-41-4				Emission Estimation Technique Manual for Aggregated Emissions from Motor Vehicle Refinishing NPI 1999 Emission Estimation Technique Manual for Aggregated Emissions from Fuel Combustion (sub-threshold) NPI 1999 Emission Estimation Technique Manual for Aggregated Emissions from Fuel and Organic Liquid Storage NPI 2003 Emission Estimation Technique Manual for Aggregated Emissions from Cutback Bitumen NPI 1999 Emission Estimation Technique Manual for Aggregated Emissions from Aircraft NPI 2003 Emission Estimation Technique Manual for Aggregated Emissions for Cement Manufacturing NPI 1999
0110	Etilbutilcetona	106-35-4				
0111	Etileno	74-85-1				U.S. EPA AP-42; Chapter 11: mineral products industry
0112	Etilenoglicol	107-21-1		USEPA 8430		PRTR Estimation Manual vol. 9 IRON CASTING INDUSTRY Japão 2005 PRTR Estimation Manual vol. 4 AUTOMOBILE MAINTENANCE INDUSTRY Japão 2005 PRTR Estimation Manual vol. 24 CORRUGATED PACKAGING INDUSTRY Japão 2005 PRTR Estimation Manual vol. 22 PAINTING COATING PROCESSES Japão 2005 PRTR Estimation Manual vol. 19 AUTOMOBILE CHEMICAL MANUFACTURING INDUSTRY Japão 2005 PRTR Estimation Manual vol. 18 AIRCRAFT MAINTENANCE INDUSTRY Japão 2005 PRTR Estimation Manual vol. 16 HOUSING MANUFACTURING INDUSTRY Japão 2005 PRTR Estimation Manual vol. 15 INDUSTRIAL CLEANING INDUSTRY Japão 2005 PRTR Estimation Manual vol. 10 DIE CASTING INDUSTRY Japão 2005 Emission Estimation Technique Manual for Surface Coating NPI 1999 Emission Estimation Technique Manual for Iron & Steel Production NPI 1999

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Ordem	Poluentes	N° CAS	Técnica analítica de medição			Métodos de cálculo e estimação
			Ar	Água	Solo	
0113	Etilenotioréia	96-45-7				PRTR Estimation Manual vol. 27 BONDED ADHESIVE PRODUCTS MANUFACTURING INDUSTRY Japão 2005
0114	Fenóis (como C total)	108-95-2	USEPA 8270	ISO 18857-1:2005 USEPA 8270 USEPA 8410	USEPA 8270 USEPA 8410	<p>U.S. EPA AP-42 Chapter 7: Liquid Storage Tanks</p> <p>U.S. EPA AP-42 Chapter 4: 4.3 waste water collection, treatment and storage</p> <p>U.S. EPA AP-42 Chapter 2: solid waste disposal</p> <p>PRTR Estimation Manual vol. 9 IRON CASTING INDUSTRY Japão 2005</p> <p>PRTR Estimation Manual vol. 7 ASBESTOS INDUSTRY Japão 2005</p> <p>PRTR Estimation Manual vol. 27 BONDED ADHESIVE PRODUCTS MANUFACTURING INDUSTRY Japão 2005</p> <p>PRTR Estimation Manual vol. 18 AIRCRAFT MAINTENANCE INDUSTRY Japão 2005</p> <p>PRTR Estimation Manual vol. 17 NON FERROUS METAL CASTING INDUSTRY Japão 2005</p> <p>PRTR Estimation Manual vol. 13 VALVE MANUFACTURING INDUSTRY Japão 2005</p> <p>Emission Estimation Technique Manual for Lime and Dolomite Manufacturing NPI 1999</p> <p>Emission Estimation Technique Manual for Iron & Steel Production NPI 1999</p> <p>Emission Estimation Technique Manual for Concrete Batching and Concrete Product Manufacturing NPI 1999</p> <p>Emission Estimation Technique Manual for Combustion in Boilers - Manual and Addendum NPI 2003</p> <p>Emission Estimation Technique Manual for Combustion Engines NPI 2002</p> <p>Emission Estimation Technique Manual for Bricks, Ceramics & Clay Product Manufacturing NPI 1998</p> <p>Emission Estimation Technique Manual for Aluminum Smelting NPI 1999</p> <p>Emission Estimation Technique Manual for Alumina Refining NPI 1999</p> <p>Emission Estimation Technique Manual for Aggregated Emissions from Fuel Combustion (sub-threshold) NPI 1999</p> <p>Emission Estimation Technique Manual for Aggregated Emissions from Aircraft NPI 2003</p> <p>Emission Estimation Technique Manual for Aggregated Emissions for Cement Manufacturing NPI 1999</p>

Cont.

Ordem	Poluentes	N° CAS	Técnica analítica de medição			Métodos de cálculo e estimação
			Ar	Água	Solo	
0115	Flúor e compostos inorgânicos (como HF)	7782-41-4	ISO/DIS 15713:2004			Emission Estimation Technique Manual for Ferris Foundries NPI 1999
0116	Fluoretos			NE ISO 10304-1:1995 NBR 13737		<p>Emission Estimation Technique Manual for Aggregated Emissions from Fuel Combustion (sub-threshold) NPI 1999</p> <p>Emission Estimation Technique Manual for Combustion in Boilers - Manual and Addendum NPI 2003</p> <p>Emission Estimation Technique Manual for Glass and Glass Fibre Manufacturing NPI 1999</p> <p>Emission Estimation Technique Manual for Intensive Livestock - Beef Cattle NPI 1999</p> <p>Emission Estimation Technique Manual for Lime and Dolomite Manufacturing NPI 1999</p> <p>Emission Estimation Technique Manual for Aluminum Smelting NPI 1999</p> <p>Emission Estimation Technique Manual for Gas Supply NPI 1999</p> <p>Emission Estimation Technique Manual for Gold Ore Processing NPI 2001</p> <p>Emission Estimation Technique Manual for Iron & Steel Production NPI 1999</p> <p>Emission Estimation Technique Manual for Beer Manufacturing NPI 1999</p> <p>Emission Estimation Technique Manual for Appliance, Machinery and Electrical Equipment Manufacture NPI 1999</p> <p>Emission Estimation Technique Manual for Aggregated Emissions for Cement Manufacturing NPI 1999</p> <p>Emission Estimation Technique Manual for Confectionery Manufacture NPI 1999</p> <p>Emission Estimation Technique Manual for Ferroalloy Production NPI 1999</p> <p>Emission Estimation Technique Manual for Inorganic Chemicals Manufacturing NPI 1999 -</p> <p>Emission Estimation Technique Manual for Organic Chemical Processing Industries NPI 1999</p>
0117	Fluoroacetamida	640-19-7				

Cont.

Ordem	Poluentes	N° CAS	Técnica analítica de medição			Métodos de cálculo e estimação
			Ar	Água	Solo	
0118	Formaldeído	50-00-0	USEPA 0011 USEPA 0100 USEPA 8315 USEPA 8520	USEPA 8315	USEPA 8315	<p>U.S. EPA AP-42 Chapter 4: 4.3 waste water collection, treatment and storage</p> <p>U.S. EPA AP-42 Chapter 2: solid waste disposal</p> <p>PRTR Estimation Manual vol. 7 ASBESTOS INDUSTRY Japão 2005</p> <p>PRTR Estimation Manual vol. 6 ELECTROPLATING INDUSTRY Japão 2005</p> <p>PRTR Estimation Manual vol. 27 BONDED ADHESIVE PRODUCTS MANUFACTURING INDUSTRY Japão 2005</p> <p>PRTR Estimation Manual vol. 24 CORRUGATED PACKAGING INDUSTRY Japão 2005</p> <p>PRTR Estimation Manual vol. 22 PAINTING COATING PROCESSES Japão 2005</p> <p>PRTR Estimation Manual vol. 13 VALVE MANUFACTURING INDUSTRY Japão 2005</p> <p>Emission Estimation Technique Manual for Railway Yard Operations NPI 1999</p> <p>Emission Estimation Technique Manual for Lime and Dolomite Manufacturing NPI 1999</p> <p>Emission Estimation Technique Manual for Hot Mix Asphalt Manufacturing NPI 1999</p> <p>Emission Estimation Technique Manual for Fruit and Vegetable Processing Industry NPI 1999</p> <p>Emission Estimation Technique Manual for Concrete Batching and Concrete Product Manufacturing NPI 1999</p> <p>Emission Estimation Technique Manual for Combustion in Boilers - Manual and Addendum NPI 2003</p> <p>Emission Estimation Technique Manual for Combustion Engines NPI 2002</p> <p>Emission Estimation Technique Manual for Bricks, Ceramics & Clay Product Manufacturing NPI 1998</p> <p>Emission Estimation Technique Manual for Aluminum Smelting NPI 1999</p> <p>Emission Estimation Technique Manual for Alumina Refining NPI 1999</p> <p>Emission Estimation Technique Manual for Aggregated Emissions from Fuel Combustion (sub-threshold) NPI 1999</p> <p>Emission Estimation Technique Manual for Aggregated Emissions from Aircraft NPI 2003</p> <p>Emission Estimation Technique Manual for Aggregated Emissions for Cement Manufacturing NPI 1999</p>
0119	Fosfamidon	13171-21-6	USEPA 8270	USEPA 8141 USEPA 8270	USEPA 8141 USEPA 8270	

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Ordem	Poluentes	N° CAS	Técnica analítica de medição			Métodos de cálculo e estimação
			Ar	Água	Solo	
0120	Fósforo total	7723-14-0	USEPA 0060 waste incinerators USEPA 29 Metals Emissions from Stationary Sources	NBR 12772 NE ISSO 15681-1:2004 NE ISO 11885:1997 NE ISO 15681-2:2004 NE ISO 6878:2004 USEPA 6010		Emission Estimation Technique Manual for Aluminum Smelting NPI 1999 Emission Estimation Technique Manual for Fossil Fuel Electric Power Generation NPI 1999 Emission Estimation Technique Manual for Gold Ore Processing NPI 2001
0121	Heptacloro	76-44-8	USEPA 8085 USEPA 8270	NE ISO 6468:1996 USEPA 8081 USEPA 8270	USEPA 3562 USEPA 8081 USEPA 8270	
0122	Hexaclorobenzeno (HCB)	118-74-1	USEPA 8085 USEPA 8270	NE ISO 6468:1996 USEPA 8081 USEPA 8121 USEPA 8270 USEPA 8410	USEPA 8081 USEPA 8121 USEPA 8270 USEPA 8410	U.S. EPA AP-42 Chapter 4: 4.3 waste water collection, treatment and storage
0123	Hexaclorobutadieno (HCBd)	87-68-3	USEPA 8270	USEPA 8021 USEPA 8121 USEPA 8270 USEPA 8410	USEPA 5021 USEPA 8021 USEPA 8121 USEPA 8270 USEPA 8410	U.S. EPA AP-42 Chapter 4: 4.3 waste water collection, treatment and storage
0124	1,2,3,4,5,6- Hexaclorociclohexano (mistura de isômeros) [ver lindano]	608-73-1		NE ISO 6468:1996		

Cont.

Ordem	Poluentes	N° CAS	Técnica analítica de medição			Métodos de cálculo e estimação
			Ar	Água	Solo	
0125	Hexafluoreto de enxofre	2551-62-4	NBR 11902 NBR ISO 14064:2007; partes 1,2 e 3 GHG Protocol: 2008			
0126	Hexano	110-54-3	NBR 14296 USEPA 310A Residual Hexane	NBR 14296	NBR 14296 USEPA 9071	U.S. EPA AP-42 Chapter 2: solid waste disposal U.S. EPA AP-42 Chapter 7: Liquid Storage Tanks Emission Estimation Technique Manual for Surface Coating NPI 1999 Emission Estimation Technique Manual for Railway Yard Operations NPI 1999 Emission Estimation Technique Manual for Gas Supply NPI 1999 Emission Estimation Technique Manual for Combustion in Boilers - Manual and Addendum NPI 2003 Emission Estimation Technique Manual for Combustion Engines NPI 2002 Emission Estimation Technique Manual for Aluminum Smelting NPI 1999 Emission Estimation Technique Manual for Alumina Refining NPI 1999 Emission Estimation Technique Manual for Aggregated Emissions from Fuel Combustion (sub-threshold) NPI 1999 Emission Estimation Technique Manual for Aggregated Emissions from Fuel and Organic Liquid Storage NPI 2003 Emission Estimation Technique Manual for Aggregated Emissions from Cutback Bitumen NPI 1999
0127	1-Hexeno	592-41-6				
0128	Hidrazina	302-01-2		NBR 5756		PRTR Estimation Manual vol. 2 LIGHT METAL PRODUCTS INDUSTRY Japão 2005 PRTR Estimation Manual vol. 6 ELECTROPLATING INDUSTRY Japão 2005 PRTR Estimation Manual vol. 24 CORRUGATED PACKAGING INDUSTRY Japão 2005
0129	Hidrobromofluorocarbonetos (HBFCs)					

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Ordem	Poluentes	N° CAS	Técnica analítica de medição			Métodos de cálculo e estimação
			Ar	Água	Solo	
0130	Hidrocarbonetos aromáticos policíclicos (HAPs)	130498-29-2	ISO 11338-1 a-2:2003 USEPA 8270	NE ISO 17993:2003 ISO 7981-2:2005 ISO 7981-1:2005 USEPA 8270 USEPA 8275 USEPA 8310	USEPA 3561 USEPA 4035 USEPA 8270 USEPA 8275 USEPA 8310	<p>U.S. EPA AP-42 Chapter 2: solid waste disposal</p> <p>Emission Estimation Technique Manual for Railway Yard Operations NPI 1999</p> <p>Emission Estimation Technique Manual for Lime and Dolomite Manufacturing NPI 1999</p> <p>Emission Estimation Technique Manual for Iron & Steel Production NPI 1999</p> <p>Emission Estimation Technique Manual for Intensive Livestock - Beef Cattle NPI 1999</p> <p>Emission Estimation Technique Manual for Inorganic Chemicals Manufacturing NPI 1999 - Emission Estimation Technique Manual for Organic Chemical Processing Industries NPI 1999</p> <p>Emission Estimation Technique Manual for Hot Mix Asphalt Manufacturing NPI 1999</p> <p>Emission Estimation Technique Manual for Gold Ore Processing NPI 2001</p> <p>Emission Estimation Technique Manual for Gas Supply NPI 1999</p> <p>Emission Estimation Technique Manual for Fruit and Vegetable Processing Industry NPI 1999</p> <p>Emission Estimation Technique Manual for Fossil Fuel Electric Power Generation NPI 1999</p> <p>Emission Estimation Technique Manual for Confectionery Manufacture NPI 1999</p> <p>Emission Estimation Technique Manual for Combustion in Boilers - Manual and Addendum NPI 2003</p> <p>Emission Estimation Technique Manual for Combustion Engines NPI 2002</p> <p>Emission Estimation Technique Manual for Beer Manufacturing NPI 1999</p> <p>Emission Estimation Technique Manual for Appliance, Machinery and Electrical Equipment Manufacture NPI 1999</p> <p>Emission Estimation Technique Manual for Aluminum Smelting NPI 1999</p> <p>Emission Estimation Technique Manual for Alumina Refining NPI 1999</p> <p>Emission Estimation Technique Manual for Aggregated Emissions from Fuel Combustion (sub-threshold) NPI 1999</p> <p>Emission Estimation Technique Manual for Aggregated Emissions from Fuel and Organic Liquid Storage NPI 2003</p> <p>Emission Estimation Technique Manual for Aggregated Emissions from Cutback Bitumen NPI 1999</p>

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Ordem	Poluentes	N° CAS	Técnica analítica de medição			Métodos de cálculo e estimação
			Ar	Água	Solo	
0131	Clorofluorocarbonetos (CFCs)		NBR ISO 14064:2007; partes 1,2 e 3 GHG Protocol: 2008			PRTR Estimation Manual vol. 14 LAUNDRY and DRY CLEANING INDUSTRY Japão 2005 PRTR Estimation Manual vol. 15 INDUSTRIAL CLEANING INDUSTRY Japão 2005
0132	Hidroquinona	123-31-9	USEPA 8270	USEPA 8270	USEPA 8270	
0133	Isopreno	78-79-5				PRTR Estimation Manual vol. 27 BONDED ADHESIVE PRODUCTS MANUFACTURING INDUSTRY Japão 2005
0134	Isoproturon	34123-59-6				
0135	Lindano [ver 1,2,3,4,5,6-hexaclorociclohexano]	58-89-9	USEPA 8270	NE ISO 6468:1996 USEPA 8121 USEPA 8270	USEPA 8121 USEPA 8270	U.S. EPA AP-42; Chapter 9.2.2 Pesticide application
0136	Manganês e compostos	7439-96-5	USEPA 0060 waste incinerators USEPA 29 Metals Emissions from Stationary Sources	USEPA 3005 USEPA 3010 USEPA 6010 USEPA 6020 USEPA 7000 NBR 13739	USEPA 6020 USEPA 6200 USEPA 7000	U.S. EPA AP-42 Chapter 2: solid waste disposal PRTR Estimation Manual vol. 8 CEMENT FIBERBOARD INDUSTRY Japão 2005 PRTR Estimation Manual vol. 6 ELECTROPLATING INDUSTRY Japão 2005 PRTR Estimation Manual vol. 29 SWITCHGEAR and CONTROLGEAR MANUFACTURING INDUSTRY Japão 2005 PRTR Estimation Manual vol. 27 BONDED ADHESIVE PRODUCTS MANUFACTURING INDUSTRY Japão 2005 PRTR Estimation Manual vol. 25 FORGING INDUSTRY Japão 2005 PRTR Estimation Manual vol. 22 PAINTING COATING PROCESSES Japão 2005 PRTR Estimation Manual vol. 19 AUTOMOBILE CHEMICAL MANUFACTURING INDUSTRY Japão 2005

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Ordem	Poluentes	N° CAS	Técnica analítica de medição			Métodos de cálculo e estimação
			Ar	Água	Solo	
0136	Manganês e compostos	7439-96-5				<p>PRTR Estimation Manual vol. 18 AIRCRAFT MAINTENANCE INDUSTRY Japão 2005</p> <p>PRTR Estimation Manual vol. 17 NON FERROUS METAL CASTING INDUSTRY Japão 2005</p> <p>PRTR Estimation Manual vol. 16 HOUSING MANUFACTURING INDUSTRY Japão 2005</p> <p>PRTR Estimation Manual vol. 13 VALVE MANUFACTURING INDUSTRY Japão 2005</p> <p>PRTR Estimation Manual vol. 11 ALUMINUM ALLOY MANUFACTURING INDUSTRY Japão 2005</p> <p>PRTR Estimation Manual vol. 10 DIE CASTING INDUSTRY Japão 2005</p> <p>Emission Estimation Technique Manual for Railway Yard Operations NPI 1999</p> <p>Emission Estimation Technique Manual for Lime and Dolomite Manufacturing NPI 1999</p> <p>Emission Estimation Technique Manual for Iron & Steel Production NPI 1999</p> <p>Emission Estimation Technique Manual for Intensive Livestock - Beef Cattle NPI 1999</p> <p>Emission Estimation Technique Manual for Inorganic Chemicals Manufacturing NPI 1999 -</p> <p>Emission Estimation Technique Manual for Organic Chemical Processing Industries NPI 1999</p> <p>Emission Estimation Technique Manual for Hot Mix Asphalt Manufacturing NPI 1999</p> <p>Emission Estimation Technique Manual for Glass and Glass Fibre Manufacturing NPI 1999</p> <p>Emission Estimation Technique Manual for Gas Supply NPI 1999</p> <p>Emission Estimation Technique Manual for Fruit and Vegetable Processing Industry NPI 1999</p> <p>Emission Estimation Technique Manual for Fossil Fuel Electric Power Generation NPI 1999</p> <p>Emission Estimation Technique Manual for Ferroalloy Production NPI 1999</p> <p>Emission Estimation Technique Manual for Ferris Foundries NPI 1999</p> <p>Emission Estimation Technique Manual for Confectionery Manufacture NPI 1999</p> <p>Emission Estimation Technique Manual for Combustion in Boilers - Manual and Addendum NPI 2003</p> <p>Emission Estimation Technique Manual for Combustion Engines NPI 2002</p> <p>Emission Estimation Technique Manual for Bricks, Ceramics & Clay Product Manufacturing NPI 1998</p> <p>Emission Estimation Technique Manual for Beer Manufacturing NPI 1999</p> <p>Emission Estimation Technique Manual for Appliance, Machinery and Electrical Equipment Manufacture NPI 1999</p> <p>Emission Estimation Technique Manual for Aluminum Smelting NPI 1999</p> <p>Emission Estimation Technique Manual for Alumina Refining NPI 1999</p>

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Ordem	Poluentes	N° CAS	Técnica analítica de medição			Métodos de cálculo e estimação
			Ar	Água	Solo	
0136	Manganês e compostos	7439-96-5				Emission Estimation Technique Manual for Aggregated Emissions from Printing and Paved and Unpaved roads NPI 1999 Emission Estimation Technique Manual for Aggregated Emissions from Fuel Combustion (sub-threshold) NPI 1999 Emission Estimation Technique Manual for Aggregated Emissions for Cement Manufacturing NPI 1999
0137	Mercúrio e compostos	7439-97-6	NE 13211:2001 NE 14884:2005 USEPA 0060 waste incinerators USEPA 29 Metals Emissions from Stationary Sources	NBR 13803 NE 1483:1997 NE 12338:1998 NE 13506:2001 USEPA 6010 USEPA 6020 USEPA 6800 USEPA 7470	USEPA 1310 USEPA 6020 USEPA 6200 USEPA 6800 USEPA 7470	U.S. EPA AP-42 Chapter 2: solid waste disposal Emission Estimation Technique Manual for Railway Yard Operations NPI 1999 Emission Estimation Technique Manual for Lime and Dolomite Manufacturing NPI 1999 Emission Estimation Technique Manual for Iron & Steel Production NPI 1999 Emission Estimation Technique Manual for Intensive Livestock - Beef Cattle NPI 1999 Emission Estimation Technique Manual for Inorganic Chemicals Manufacturing NPI 1999 - Emission Estimation Technique Manual for Organic Chemical Processing Industries NPI 1999 Emission Estimation Technique Manual for Hot Mix Asphalt Manufacturing NPI 1999 Emission Estimation Technique Manual for Gold Ore Processing NPI 2001 Emission Estimation Technique Manual for Glass and Glass Fibre Manufacturing NPI 1999 Emission Estimation Technique Manual for Gas Supply NPI 1999 Emission Estimation Technique Manual for Fossil Fuel Electric Power Generation NPI 1999 Emission Estimation Technique Manual for Confectionery Manufacture NPI 1999 Emission Estimation Technique Manual for Combustion in Boilers - Manual and Addendum NPI 2003 Emission Estimation Technique Manual for Bricks, Ceramics & Clay Product Manufacturing NPI 1998 Emission Estimation Technique Manual for Beer Manufacturing NPI 1999 Emission Estimation Technique Manual for Appliance, Machinery and Electrical Equipment Manufacture NPI 1999 Emission Estimation Technique Manual for Aluminum Smelting NPI 1999

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Ordem	Poluentes	N° CAS	Técnica analítica de medição			Métodos de cálculo e estimação
			Ar	Água	Solo	
0137	Mercúrio e compostos	7439-97-6				Emission Estimation Technique Manual for Alumina Refining NPI 1999 Emission Estimation Technique Manual for Aggregated Emissions from Printing and Paved and Unpaved roads NPI 1999 Emission Estimation Technique Manual for Aggregated Emissions from Fuel Combustion (sub-threshold) NPI 1999 Emission Estimation Technique Manual for Aggregated Emissions for Cement Manufacturing NPI 1999
0138	Metacrilato de metila	80-62-6	NBR 7823 USEPA 8260 USEPA 8261	USEPA 8260 USEPA 8261 NBR 7823	NBR 7823 USEPA 8260 USEPA 8261	U.S. EPA AP-42 Chapter 7: Liquid Storage Tanks U.S. EPA AP-42 Chapter 4: 4.3 waste water collection, treatment and storage PRTR Estimation Manual vol. 21 FIBER REINFORCED PLASTIC MANUFACTURING INDUSTRY Japão 2005 PRTR Estimation Manual vol. 20 ADHESIVE TAPE MANUFACTURING INDUSTRY Japão 2005 Emission Estimation Technique Manual for Aluminum Smelting NPI 1999 Emission Estimation Technique Manual for Aggregated Emissions from Fuel Combustion (sub-threshold) NPI 1999
0139	Metamidofós	10265-92-6				U.S. EPA AP-42; Chapter 9.2.2 Pesticide application
0140	Metano	74-82-8	GHG Protocol: 2008 NBR ISO 14064:2007; partes 1,2 e 3			U.S. EPA AP-42 Chapter 2: solid waste disposal
0141	Metanol	67-56-1	NBR 15343 USEPA 8015 USEPA 8260	USEPA 8260 NBR 15343	NBR 15343 USEPA 8260	U.S. EPA AP-42 Chapter 4: 4.3 waste water collection, treatment and storage U.S. EPA AP-42 Chapter 7: Liquid Storage Tanks Emission Estimation Technique Manual for Alumina Refining NPI 1999 Emission Estimation Technique Manual for Aluminum Smelting NPI 1999 Emission Estimation Technique Manual for Combustion Engines NPI 2002 Emission Estimation Technique Manual for Concrete Batching and Concrete Product Manufacturing NPI 1999 Emission Estimation Technique Manual for Ferris Foundries NPI 1999 Emission Estimation Technique Manual for Surface Coating NPI 1999 Emission Estimation Technique Manual for Timber and Wood Product Manufacturing NPI



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Ordem	Poluentes	N° CAS	Técnica analítica de medição			Métodos de cálculo e estimação
			Ar	Água	Solo	
0142	Metiletilcetona	78-93-3	USEPA 0030 USEPA 8015	USEPA 5032	USEPA 5032	<p>U.S. EPA AP-42 Chapter 2: solid waste disposal</p> <p>U.S. EPA AP-42 Chapter 4: 4.3 waste water collection, treatment and storage</p> <p>U.S. EPA AP-42 Chapter 7: Liquid Storage Tanks</p> <p>Emission Estimation Technique Manual for Aggregated Emissions for Cement Manufacturing NPI 1999</p> <p>Emission Estimation Technique Manual for Aggregated Emissions from Fuel Combustion (sub-threshold) NPI 1999</p> <p>Emission Estimation Technique Manual for Aggregated Emissions from Motor Vehicle Refinishing NPI 1999</p> <p>Emission Estimation Technique Manual for Aggregated Emissions from Printing and Graphic Arts NPI 1999</p> <p>Emission Estimation Technique Manual for Aluminum Smelting NPI 1999</p> <p>Emission Estimation Technique Manual for Combustion in Boilers - Manual and Addendum NPI 2003</p> <p>Emission Estimation Technique Manual for Ferris Foundries NPI 1999</p> <p>Emission Estimation Technique Manual for Gold Ore Processing NPI 2001</p> <p>Emission Estimation Technique Manual for Iron & Steel Production NPI 1999</p> <p>Emission Estimation Technique Manual for Lime and Dolomite Manufacturing NPI 1999</p> <p>Emission Estimation Technique Manual for Surface Coating NPI 1999</p> <p>Emission Estimation Technique Manual for Timber and Wood Product Manufacturing NPI 1999</p>
0143	Metilisobutilcetona	108-10-1		USEPA 5032	USEPA 5032	<p>U.S. EPA AP-42 Chapter 2: solid waste disposal</p> <p>U.S. EPA AP-42 Chapter 4: 4.3 waste water collection, treatment and storage</p> <p>U.S. EPA AP-42 Chapter 7: Liquid Storage Tanks</p> <p>Emission Estimation Technique Manual for Aggregated Emissions from Motor Vehicle Refinishing NPI 1999</p> <p>Emission Estimation Technique Manual for Aggregated Emissions from Printing and Graphic Arts NPI 1999</p> <p>Emission Estimation Technique Manual for Aluminum Smelting NPI 1999</p> <p>Emission Estimation Technique Manual for Ferris Foundries NPI 1999</p> <p>Emission Estimation Technique Manual for Surface Coating NPI 1999</p> <p>Emission Estimation Technique Manual for Timber and Wood Product Manufacturing NPI</p>



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Ordem	Poluentes	N° CAS	Técnica analítica de medição			Métodos de cálculo e estimação
			Ar	Água	Solo	
0144	Metil-tert-butiléter	1634-04-4	USEPA 8015 USEPA 8261	USEPA 8261	USEPA 8261	
0145	Mirex	2385-85-5	USEPA 8085 USEPA 8270	USEPA 8081 USEPA 8270	USEPA 8081 USEPA 8270	
0146	Monocrotofós	6923-22-4	USEPA 8270 USEPA 8321	USEPA 8141 USEPA 8270 USEPA 8321	USEPA 8141 USEPA 8270 USEPA 8321	
0147	Monóxido de carbono	630-08-0	NBR 13157:1994 NBR 14489 NE 15058:2004 ISO 12039:2001			U.S. EPA AP-42 Chapter 2: solid waste disposal Emission Estimation Technique Manual for Aggregated Emissions for Cement Manufacturing NPI 1999 Emission Estimation Technique Manual for Aggregated Emissions from Aircraft NPI 2003 Emission Estimation Technique Manual for Aggregated Emissions from Fuel Combustion (sub-threshold) NPI 1999 Emission Estimation Technique Manual for Airports NPI 2001 Emission Estimation Technique Manual for Alumina Refining NPI 1999 Emission Estimation Technique Manual for Aluminum Smelting NPI 1999 Emission Estimation Technique Manual for Appliance, Machinery and Electrical Equipment Manufacture NPI 1999 Emission Estimation Technique Manual for Beer Manufacturing NPI 1999 Emission Estimation Technique Manual for Bricks, Ceramics & Clay Product Manufacturing NPI 1998 Emission Estimation Technique Manual for Combustion Engines NPI 2002 Emission Estimation Technique Manual for Combustion in Boilers - Manual and Addendum NPI 2003 Emission Estimation Technique Manual for Confectionery Manufacture NPI 1999 Emission Estimation Technique Manual for Explosives Manufacturing NPI 1999 Emission Estimation Technique Manual for Fossil Fuel Electric Power Generation NPI 1999 Emission Estimation Technique Manual for Fruit and Vegetable Processing Industry NPI 1999 Emission Estimation Technique Manual for Gas Supply NPI 1999 Emission Estimation Technique Manual for Glass and Glass Fibre Manufacturing NPI 1999

Cont.

Ordem	Poluentes	N° CAS	Técnica analítica de medição			Métodos de cálculo e estimação
			Ar	Água	Solo	
0147	Monóxido de carbono	630-08-0				<p>Emission Estimation Technique Manual for Gold Ore Processing NPI 2001</p> <p>Emission Estimation Technique Manual for Hot Mix Asphalt Manufacturing NPI 1999</p> <p>Emission Estimation Technique Manual for Inorganic Chemicals Manufacturing NPI 1999 - Emission Estimation Technique Manual for Organic Chemical Processing Industries NPI 1999</p> <p>Emission Estimation Technique Manual for Intensive Livestock - Beef Cattle NPI 1999</p> <p>Emission Estimation Technique Manual for Iron & Steel Production NPI 1999</p> <p>Emission Estimation Technique Manual for Lime and Dolomite Manufacturing NPI 1999</p> <p>Emission Estimation Technique Manual for Timber and Wood Product Manufacturing NPI 1999</p>
0148	Níquel e compostos	7440-02-0	<p>NE 14385:2004</p> <p>USEPA 0060 waste incinerators</p> <p>USEPA 29 Metals Emissions from Stationary Sources</p>	<p>NBR 13810 NE ISO 11885:1997</p> <p>USEPA 3005</p> <p>USEPA 3010</p> <p>USEPA 6010</p> <p>USEPA 6020</p> <p>USEPA 6800</p> <p>USEPA 7000</p>	<p>USEPA 1310</p> <p>USEPA 6020</p> <p>USEPA 6200</p> <p>USEPA 6800</p> <p>USEPA 7000</p>	<p>PRTR Estimation Manual vol. 9 IRON CASTING INDUSTRY Japão 2005</p> <p>PRTR Estimation Manual vol. 8 CEMENT FIBERBOARD INDUSTRY Japão 2005</p> <p>PRTR Estimation Manual vol. 6 ELECTROPLATING INDUSTRY Japão 2005</p> <p>PRTR Estimation Manual vol. 26 CEMENTED CARBIDE TOOL INDUSTRY Japão 2005</p> <p>PRTR Estimation Manual vol. 25 FORGING INDUSTRY Japão 2005</p> <p>PRTR Estimation Manual vol. 22 PAINTING COATING PROCESSES Japão 2005</p> <p>PRTR Estimation Manual vol. 2 LIGHT METAL PRODUCTS INDUSTRY Japão 2005</p> <p>PRTR Estimation Manual vol. 18 AIRCRAFT MAINTENANCE INDUSTRY Japão 2005</p> <p>PRTR Estimation Manual vol. 17 NON FERROUS METAL CASTING INDUSTRY Japão 2005</p> <p>PRTR Estimation Manual vol. 16 HOUSING MANUFACTURING INDUSTRY Japão 2005</p> <p>PRTR Estimation Manual vol. 13 VALVE MANUFACTURING INDUSTRY Japão 2005</p> <p>PRTR Estimation Manual vol. 10 DIE CASTING INDUSTRY Japão 2005</p> <p>Emission Estimation Technique Manual for Railway Yard Operations NPI 1999</p> <p>Emission Estimation Technique Manual for Iron & Steel Production NPI 1999</p> <p>Emission Estimation Technique Manual for Intensive Livestock - Beef Cattle NPI 1999</p>

Cont.

Ordem	Poluentes	N° CAS	Técnica analítica de medição			Métodos de cálculo e estimação
			Ar	Água	Solo	
						Emission Estimation Technique Manual for Inorganic Chemicals Manufacturing NPI 1999 - Emission Estimation Technique Manual for Organic Chemical Processing Industries NPI 1999 Emission Estimation Technique Manual for Hot Mix Asphalt Manufacturing NPI 1999 Emission Estimation Technique Manual for Gold Ore Processing NPI 2001 Emission Estimation Technique Manual for Glass and Glass Fibre Manufacturing NPI 1999 Emission Estimation Technique Manual for Gas Supply NPI 1999 Emission Estimation Technique Manual for Galvanizing NPI 1999 Emission Estimation Technique Manual for Fossil Fuel Electric Power Generation NPI 1999 Emission Estimation Technique Manual for Ferroalloy Production NPI 1999 Emission Estimation Technique Manual for Ferris Foundries NPI 1999 Emission Estimation Technique Manual for Confectionery Manufacture NPI 1999 Emission Estimation Technique Manual for Combustion in Boilers - Manual and Addendum NPI 2003 Emission Estimation Technique Manual for Combustion Engines NPI 2002 Emission Estimation Technique Manual for Bricks, Ceramics & Clay Product Manufacturing NPI 1998 Emission Estimation Technique Manual for Beer Manufacturing NPI 1999 Emission Estimation Technique Manual for Appliance, Machinery and Electrical Equipment Manufacture NPI 1999 Emission Estimation Technique Manual for Aluminum Smelting NPI 1999 Emission Estimation Technique Manual for Alumina Refining NPI 1999 Emission Estimation Technique Manual for Aggregated Emissions from Printing and Paved and Unpaved roads NPI 1999 Emission Estimation Technique Manual for Aggregated Emissions from Fuel Combustion (sub-treshold) NPI 1999 Emission Estimation Technique Manual for Aggregated Emissions from Aircraft NPI 2003
0149	Nitroanilina (isômero para)	100-01-6				

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Ordem	Poluentes	N° CAS	Técnica analítica de medição			Métodos de cálculo e estimação
			Ar	Água	Solo	
0150	Nitrobenzeno	98-95-3	USEPA 8260 USEPA 8270	USEPA 8091 USEPA 8260 USEPA 8270 USEPA 8330 USEPA 8410	USEPA 8091 USEPA 8260 USEPA 8270 USEPA 8330 USEPA 8410	U.S. EPA AP-42 Chapter 4: 4.3 waste water collection, treatment and storage U.S. EPA AP-42 Chapter 7: Liquid Storage Tanks
0151	Nitrogênio total			NBR 10560 NE 12260:2003 NE ISO 11905-1:1998		Emission Estimation Technique Manual for Aluminum Smelting NPI 1999 Emission Estimation Technique Manual for Fossil Fuel Electric Power Generation NPI 1999 Emission Estimation Technique Manual for Fruit and Vegetable Processing Industry NPI 1999 Emission Estimation Technique Manual for Gold Ore Processing NPI 2001
0152	Nitroglicerina	55-63-0		USEPA 8332	USEPA 8332	
0153	Nonilfenóis e nonilfenóis etoxilados (NF/NFE)	25154-52-3				PRTR Estimation Manual vol. 10 DIE CASTING INDUSTRY Japão 2005
0154	Octilfenóis etoxilados	1806-26-4				
0155	Óxido de etileno	75-21-8	USEPA 0030 USEPA 8015 USEPA 8260	USEPA 8260	USEPA 8260	U.S. EPA AP-42 Chapter 4: 4.3 waste water collection, treatment and storage PRTR Estimation Manual vol. 10 DIE CASTING INDUSTRY Japão 2005 Emission Estimation Technique Manual for Aluminum Smelting NPI 1999
0156	Óxido de magnésio	1309-48-4				PRTR Estimation Manual vol. 9 IRON CASTING INDUSTRY Japão 2005 Emission Estimation Technique Manual for Iron & Steel Production NPI 1999 Emission Estimation Technique Manual for Intensive Livestock - Beef Cattle NPI 1999 Emission Estimation Technique Manual for Inorganic Chemicals Manufacturing NPI 1999 - Emission Estimation Technique Manual for Organic Chemical Processing Industries NPI 1999 Emission Estimation Technique Manual for Gold Ore Processing NPI 2001 Emission Estimation Technique Manual for Gas Supply NPI 1999 Emission Estimation Technique Manual for Fossil Fuel Electric Power Generation NPI 1999

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Ordem	Poluentes	N° CAS	Técnica analítica de medição			Métodos de cálculo e estimação
			Ar	Água	Solo	
						<p>Emission Estimation Technique Manual for Confectionery Manufacture NPI 1999</p> <p>Emission Estimation Technique Manual for Beer Manufacturing NPI 1999</p> <p>Emission Estimation Technique Manual for Appliance, Machinery and Electrical Equipment Manufacture NPI 1999</p> <p>Emission Estimation Technique Manual for Aluminum Smelting NPI 1999</p>
0157	Óxido de propileno	75-56-9	USEPA 0030			<p>U.S. EPA AP-42 Chapter 7: Liquid Storage Tanks</p> <p>PRTR Estimation Manual vol. 10 DIE CASTING INDUSTRY Japão 2005</p>
0158	Óxido nitroso	10024-97-2	GHG Protocol: 2008 NBR ISO 14064:2007; partes 1,2 e 3			
0159	Óxidos de enxofre (SOx)	13827-32-2/ 7446-09-5	NBR 12979:1993 NE 14791:2005 ISO 7935:1992 ISO 7934:1989 ISO 11632:1998			<p>U.S. EPA AP-42 Chapter 2: solid waste disposal</p> <p>Emission Estimation Technique Manual for Timber and Wood Product Manufacturing NPI 1999</p> <p>Emission Estimation Technique Manual for Railway Yard Operations NPI 1999</p> <p>Emission Estimation Technique Manual for Organic Chemical Processing Industries NPI 1999</p> <p>Emission Estimation Technique Manual for Lime and Dolomite Manufacturing NPI 1999</p> <p>Emission Estimation Technique Manual for Iron & Steel Production NPI 1999</p> <p>Emission Estimation Technique Manual for Intensive Livestock - Beef Cattle NPI 1999</p> <p>Emission Estimation Technique Manual for Inorganic Chemicals Manufacturing NPI 1999 - Emission Estimation Technique Manual for Organic Chemical Processing Industries NPI 1999</p> <p>Emission Estimation Technique Manual for Hot Mix Asphalt Manufacturing NPI 1999</p> <p>Emission Estimation Technique Manual for Glass and Glass Fibre Manufacturing NPI 1999</p> <p>Emission Estimation Technique Manual for Gas Supply NPI 1999</p> <p>Emission Estimation Technique Manual for Fruit and Vegetable Processing Industry NPI 1999</p> <p>Emission Estimation Technique Manual for Fossil Fuel Electric Power Generation NPI 1999</p> <p>Emission Estimation Technique Manual for Explosives Manufacturing NPI 1999</p>

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Ordem	Poluentes	N° CAS	Técnica analítica de medição			Métodos de cálculo e estimação
			Ar	Água	Solo	
						<p>Emission Estimation Technique Manual for Confectionery Manufacture NPI 1999</p> <p>Emission Estimation Technique Manual for Combustion in Boilers - Manual and Addendum NPI 2003</p> <p>Emission Estimation Technique Manual for Combustion Engines NPI 2002</p> <p>Emission Estimation Technique Manual for Bricks, Ceramics & Clay Product Manufacturing NPI 1998</p> <p>Emission Estimation Technique Manual for Beer Manufacturing NPI 1999</p> <p>Emission Estimation Technique Manual for Appliance, Machinery and Electrical Equipment Manufacture NPI 1999</p> <p>Emission Estimation Technique Manual for Aluminum Smelting NPI 1999</p> <p>Emission Estimation Technique Manual for Alumina Refining NPI 1999</p> <p>Emission Estimation Technique Manual for Airports NPI 2001</p> <p>Emission Estimation Technique Manual for Aggregated Emissions from Fuel Combustion (sub-threshold) NPI 1999</p> <p>Emission Estimation Technique Manual for Aggregated Emissions from Aircraft NPI 2003</p> <p>Emission Estimation Technique Manual for Aggregated Emissions for Cement Manufacturing NPI 1999</p>
0160	Óxidos de nitrogênio (NOx)	11104-93-1	NBR 14489 ISO 11564:1998 NE 14792:2005 ISO 10849:1996			<p>U.S. EPA AP-42 Chapter 2: solid waste disposal</p> <p>Emission Estimation Technique Manual for Timber and Wood Product Manufacturing NPI 1999</p> <p>Emission Estimation Technique Manual for Railway Yard Operations NPI 1999</p> <p>Emission Estimation Technique Manual for Lime and Dolomite Manufacturing NPI 1999</p> <p>Emission Estimation Technique Manual for Iron & Steel Production NPI 1999</p> <p>Emission Estimation Technique Manual for Intensive Livestock - Beef Cattle NPI 1999</p> <p>Emission Estimation Technique Manual for Inorganic Chemicals Manufacturing NPI 1999 -</p> <p>Emission Estimation Technique Manual for Organic Chemical Processing Industries NPI 1999</p> <p>Emission Estimation Technique Manual for Hot Mix Asphalt Manufacturing NPI 1999</p> <p>Emission Estimation Technique Manual for Gold Ore Processing NPI 2001</p> <p>Emission Estimation Technique Manual for Glass and Glass Fibre Manufacturing NPI 1999</p> <p>Emission Estimation Technique Manual for Gas Supply NPI 1999</p>

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Ordem	Poluentes	N° CAS	Técnica analítica de medição			Métodos de cálculo e estimação
			Ar	Água	Solo	
						<p>Emission Estimation Technique Manual for Galvanizing NPI 1999</p> <p>Emission Estimation Technique Manual for Fruit and Vegetable Processing Industry NPI 1999</p> <p>Emission Estimation Technique Manual for Fossil Fuel Electric Power Generation NPI 1999</p> <p>Emission Estimation Technique Manual for Explosives Manufacturing NPI 1999</p> <p>Emission Estimation Technique Manual for Confectionery Manufacture NPI 1999</p> <p>Emission Estimation Technique Manual for Combustion in Boilers - Manual and Addendum NPI 2003</p> <p>Emission Estimation Technique Manual for Combustion Engines NPI 2002</p> <p>Emission Estimation Technique Manual for Bricks, Ceramics & Clay Product Manufacturing NPI 1998</p> <p>Emission Estimation Technique Manual for Beer Manufacturing NPI 1999</p> <p>Emission Estimation Technique Manual for Appliance, Machinery and Electrical Equipment Manufacture NPI 1999</p> <p>Emission Estimation Technique Manual for Aluminum Smelting NPI 1999</p> <p>Emission Estimation Technique Manual for Alumina Refining NPI 1999</p> <p>Emission Estimation Technique Manual for Airports NPI 2001</p> <p>Emission Estimation Technique Manual for Aggregated Emissions from Fuel Combustion (sub-threshold) NPI 1999</p> <p>Emission Estimation Technique Manual for Aggregated Emissions from Aircraft NPI 2003</p> <p>Emission Estimation Technique Manual for Aggregated Emissions for Cement Manufacturing NPI 1999</p>
0161	Parafinas cloradas de cadeia curta, C10-C13	85535-84-8				
0162	Paration	56-38-2	USEPA 8085 USEPA 8270	USEPA 8141 USEPA 8270	USEPA 8141 USEPA 8270	U.S. EPA AP-42; Chapter 9.2.2 Pesticide application
0163	Paration metílico	298-00-0	USEPA 8085 USEPA 8270	USEPA 8141 USEPA 8270	USEPA 8141 USEPA 8270	U.S. EPA AP-42; Chapter 9.2.2 Pesticide application

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Ordem	Poluentes	N° CAS	Técnica analítica de medição			Métodos de cálculo e estimação
			Ar	Água	Solo	
0164	Partículas (PM10)		NBR 12827:1993 NBR 12019			<p>U.S. EPA AP-42 Chapter 2: solid waste disposal</p> <p>Emission Estimation Technique Manual for Aggregated Emissions from Aircraft NPI 2003</p> <p>Emission Estimation Technique Manual for Aggregated Emissions from Fuel Combustion (sub-threshold) NPI 1999</p> <p>Emission Estimation Technique Manual for Aggregated Emissions from Printing and Paved and Unpaved roads NPI 1999</p> <p>Emission Estimation Technique Manual for Airports NPI 2001</p> <p>Emission Estimation Technique Manual for Alumina Refining NPI 1999</p> <p>Emission Estimation Technique Manual for Aluminum Smelting NPI 1999</p> <p>Emission Estimation Technique Manual for Appliance, Machinery and Electrical Equipment Manufacture NPI 1999</p> <p>Emission Estimation Technique Manual for Beer Manufacturing NPI 1999</p> <p>Emission Estimation Technique Manual for Combustion Engines NPI 2002</p> <p>Emission Estimation Technique Manual for Combustion in Boilers - Manual and Addendum NPI 2003</p> <p>Emission Estimation Technique Manual for Concrete Batching and Concrete Product Manufacturing NPI 1999</p> <p>Emission Estimation Technique Manual for Confectionery Manufacture NPI 1999</p> <p>Emission Estimation Technique Manual for Explosives Manufacturing NPI 1999</p> <p>Emission Estimation Technique Manual for Fossil Fuel Electric Power Generation NPI 1999</p> <p>Emission Estimation Technique Manual for Fruit and Vegetable Processing Industry NPI 1999</p> <p>Emission Estimation Technique Manual for Galvanizing NPI 1999</p> <p>Emission Estimation Technique Manual for Gas Supply NPI 1999</p> <p>Emission Estimation Technique Manual for Glass and Glass Fibre Manufacturing NPI 1999</p> <p>Emission Estimation Technique Manual for Gold Ore Processing NPI 2001</p> <p>Emission Estimation Technique Manual for Inorganic Chemicals Manufacturing NPI 1999 -</p> <p>Emission Estimation Technique Manual for Organic Chemical Processing Industries NPI 1999</p> <p>Emission Estimation Technique Manual for Intensive Livestock - Beef Cattle NPI 1999</p> <p>Emission Estimation Technique Manual for Iron & Steel Production NPI 1999</p>

Cont.

Ordem	Poluentes	N° CAS	Técnica analítica de medição			Métodos de cálculo e estimação
			Ar	Água	Solo	
						Emission Estimation Technique Manual for Lime and Dolomite Manufacturing NPI 1999 Emission Estimation Technique Manual for Railway Yard Operations NPI 1999 Emission Estimation Technique Manual for Timber and Wood Product Manufacturing NPI 1999
0165	Pentaclorobenzeno	608-93-5	USEPA 8270	NE ISO 6468:1996 USEPA 8121 USEPA 8270	USEPA 8121 USEPA 8270	U.S. EPA AP-42 Chapter 4: 4.3 waste water collection, treatment and storage
0166	Pentaclorofenol	87-86-5	USEPA 8085 USEPA 8270	USEPA 8151 USEPA 8270 USEPA 8410	USEPA 4010 USEPA 8151 USEPA 8270 USEPA 8410 USEPA 8540	U.S. EPA AP-42 Chapter 4: 4.3 waste water collection, treatment and storage
0167	Perfluorcarbonos		GHG Protocol: 2008 NBR ISO 14064:2007; partes 1,2 e 3			
0168	Permetrina	52645-53-1		USEPA 8081	USEPA 8081	U.S. EPA AP-42; Chapter 9.2.2 Pesticide application
0169	Piridina	110-86-1	USEPA 8015 USEPA 8260 USEPA 8261	USEPA 8260 USEPA 8261	USEPA 8260 USEPA 8261	U.S. EPA AP-42 Chapter 4: 4.3 waste water collection, treatment and storage U.S. EPA AP-42 Chapter 7: Liquid Storage Tanks
0170	Propileno	115-07-1				

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Ordem	Poluentes	N° CAS	Técnica analítica de medição			Métodos de cálculo e estimação
			Ar	Água	Solo	
0171	Selênio e seus compostos	7782-49-2	USEPA 0060 waste incinerators USEPA 29 Metals Emissions from Stationary Sources	NBR 13802 USEPA 6010 USEPA 6020 USEPA 6800 USEPA 7742	USEPA 6020 USEPA 6200 USEPA 6800 USEPA 7742	<p>U.S. EPA AP-42 Chapter 2: solid waste disposal</p> <p>PRTR Estimation Manual vol. 6 ELECTROPLATING INDUSTRY Japão 2005</p> <p>PRTR Estimation Manual vol. 6 ELECTROPLATING INDUSTRY Japão 2005</p> <p>PRTR Estimation Manual vol. 17 NON FERROUS METAL CASTING INDUSTRY Japão 2005</p> <p>PRTR Estimation Manual vol. 13 VALVE MANUFACTURING INDUSTRY Japão 2005</p> <p>Emission Estimation Technique Manual for Lime and Dolomite Manufacturing NPI 1999</p> <p>Emission Estimation Technique Manual for Iron & Steel Production NPI 1999</p> <p>Emission Estimation Technique Manual for Hot Mix Asphalt Manufacturing NPI 1999</p> <p>Emission Estimation Technique Manual for Gold Ore Processing NPI 2001</p> <p>Emission Estimation Technique Manual for Fossil Fuel Electric Power Generation NPI 1999</p> <p>Emission Estimation Technique Manual for Combustion in Boilers - Manual and Addendum NPI 2003</p> <p>Emission Estimation Technique Manual for Bricks, Ceramics & Clay Product Manufacturing NPI 1998</p> <p>Emission Estimation Technique Manual for Aluminum Smelting NPI 1999</p> <p>Emission Estimation Technique Manual for Alumina Refining NPI 1999</p> <p>Emission Estimation Technique Manual for Aggregated Emissions from Printing and Paved and Unpaved roads NPI 1999</p> <p>Emission Estimation Technique Manual for Aggregated Emissions from Fuel Combustion (sub-threshold) NPI 1999</p> <p>Emission Estimation Technique Manual for Aggregated Emissions for Cement Manufacturing NPI 1999</p>

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Ordem	Poluentes	N° CAS	Técnica analítica de medição			Métodos de cálculo e estimação
			Ar	Água	Solo	
0172	Simazina	122-34-9	USEPA 8085	NE ISO 11369:1997 NE ISO 10695:2000 USEPA 3005 USEPA 3010 USEPA 8141	USEPA 8141	U.S. EPA AP-42; Chapter 9.2.2 Pesticide application
0173	Sulfeto de hidrogênio	7783-06-4	USEPA 15			U.S. EPA AP-42 Chapter 2: solid waste disposal U.S. EPA AP-42 Chapter 4: 4.3 waste water collection, treatment and storage Emission Estimation Technique Manual for Alumina Refining NPI 1999 Emission Estimation Technique Manual for Iron & Steel Production NPI 1999 Emission Estimation Technique Manual for Explosives Manufacturing NPI 1999
0174	2,4,5-T e sais	93-76-5	USEPA 8085 USEPA 8321	USEPA 8151 USEPA 8321	USEPA 8151 USEPA 8321	
0175	Terfenilas policloradas (PCT)	61788-33-8				
0176	Tetracloroeto de carbono	56-23-5	NBR 10544 USEPA 0030 USEPA 0031 USEPA 5041 USEPA 8260 USEPA 8261	NE ISO 10301:1997 USEPA 5032 USEPA 8021 USEPA 8260 USEPA 8261 USEPA 8535	USEPA 5021 USEPA 5032 USEPA 8021 USEPA 8260 USEPA 8261	U.S. EPA AP-42 Chapter 2: solid waste disposal U.S. EPA AP-42 Chapter 7: Liquid Storage Tanks PRTR Estimation Manual vol. 20 ADHESIVE TAPE MANUFACTURING INDUSTRY Japão 2005
0177	1,1,2,2-Tetracloroetano	79-34-5	USEPA 5041 USEPA 8260 USEPA 8261	USEPA 5032 USEPA 8021 USEPA 8260 USEPA 8261	USEPA 5021 USEPA 5032 USEPA 8021 USEPA 8260 USEPA 8261	U.S. EPA AP-42 Chapter 2: solid waste disposal U.S. EPA AP-42 Chapter 4: 4.3 waste water collection, treatment and storage U.S. EPA AP-42 Chapter 7: Liquid Storage Tanks Emission Estimation Technique Manual for Bricks, Ceramics & Clay Product Manufacturing NPI 1998 Emission Estimation Technique Manual for Combustion in Boilers - Manual and Addendum NPI 2003

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Ordem	Poluentes	N° CAS	Técnica analítica de medição			Métodos de cálculo e estimação
			Ar	Água	Solo	
0178	Tetracloroetileno (PER)	127-18-4	USEPA 0030 USEPA 0031 USEPA 5041 USEPA 8260 USEPA 8261	NE ISO 15680:2003 NE ISO 10301:1997 USEPA 5032 USEPA 8021 USEPA 8260 USEPA 8261 USEPA 8535	USEPA 5021 USEPA 5032 USEPA 8021 USEPA 8260 USEPA 8261	U.S. EPA AP-42 Chapter 2: solid waste disposal U.S. EPA AP-42 Chapter 4: 4.3 waste water collection, treatment and storage U.S. EPA AP-42 Chapter 7: Liquid Storage Tanks PRTR Estimation Manual vol. 6 ELECTROPLATING INDUSTRY Japão 2005 PRTR Estimation Manual vol. 3 METAL HEAT TREATMENT INDUSTRY Japão 2005 PRTR Estimation Manual vol. 25 FORGING INDUSTRY Japão 2005 PRTR Estimation Manual vol. 16 HOUSING MANUFACTURING INDUSTRY Japão 2005 PRTR Estimation Manual vol. 15 INDUSTRIAL CLEANING INDUSTRY Japão 2005 PRTR Estimation Manual vol. 14 LAUNDRY and DRY CLEANING INDUSTRY Japão 2005 Emission Estimation Technique Manual for Fruit and Vegetable Processing Industry NPI 1999 Emission Estimation Technique Manual for Ferris Foundries NPI 1999 Emission Estimation Technique Manual for Aluminum Smelting NPI 1999 Emission Estimation Technique Manual for Aggregated Emissions from Fuel Combustion (sub-threshold) NPI 1999
0179	Thiram	137-26-8				PRTR Estimation Manual vol. 7 ASBESTOS INDUSTRY Japão 2005
0180	Tiouréia	62-56-6				PRTR Estimation Manual vol. 6 ELECTROPLATING INDUSTRY Japão 2005
0181	Tolueno	108-88-3	USEPA 0030 USEPA 0031 USEPA 5041 USEPA 8015 USEPA 8260 USEPA 8261	NE ISO 15680:2003 USEPA 5032 USEPA 8021 USEPA 8260 USEPA 8261	USEPA 1330 USEPA 5021 USEPA 5032 USEPA 8021 USEPA 8260 USEPA 8261	U.S. EPA AP-42 Chapter 2: solid waste disposal U.S. EPA AP-42 Chapter 4: 4.3 waste water collection, treatment and storage U.S. EPA AP-42 Chapter 7: Liquid Storage Tanks PRTR Estimation Manual vol. 9 IRON CASTING INDUSTRY Japão 2005 PRTR Estimation Manual vol. 8 CEMENT FIBERBOARD INDUSTRY Japão 2005 PRTR Estimation Manual vol. 7 ASBESTOS INDUSTRY Japão 2005 PRTR Estimation Manual vol. 6 ELECTROPLATING INDUSTRY Japão 2005 PRTR Estimation Manual vol. 4 AUTOMOBILE MAINTENANCE INDUSTRY Japão 2005 PRTR Estimation Manual vol. 29 SWITCHGEAR and CONTROLGEAR MANUFACTURING INDUSTRY Japão 2005

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Ordem	Poluentes	N° CAS	Técnica analítica de medição			Métodos de cálculo e estimação
			Ar	Água	Solo	
0181	Tolueno	108-88-3				<p>PRTR Estimation Manual vol. 27 BONDED ADHESIVE PRODUCTS MANUFACTURING INDUSTRY Japão 2005</p> <p>PRTR Estimation Manual vol. 24 CORRUGATED PACKAGING INDUSTRY Japão 2005</p> <p>PRTR Estimation Manual vol. 23 GASOLINE SERVICE STATION Japão 2005</p> <p>PRTR Estimation Manual vol. 22 PAINTING COATING PROCESSES Japão 2005</p> <p>PRTR Estimation Manual vol. 21 FIBER REINFORCED PLASTIC MANUFACTURING INDUSTRY Japão 2005</p> <p>PRTR Estimation Manual vol. 20 ADHESIVE TAPE MANUFACTURING INDUSTRY Japão 2005</p> <p>PRTR Estimation Manual vol. 2 LIGHT METAL PRODUCTS INDUSTRY Japão 2005</p> <p>PRTR Estimation Manual vol. 19 AUTOMOBILE CHEMICAL MANUFACTURING INDUSTRY Japão 2005</p> <p>PRTR Estimation Manual vol. 18 AIRCRAFT MAINTENANCE INDUSTRY Japão 2005</p> <p>PRTR Estimation Manual vol. 16 HOUSING MANUFACTURING INDUSTRY Japão 2005</p> <p>PRTR Estimation Manual vol. 14 LAUNDRY and DRY CLEANING INDUSTRY Japão 2005</p> <p>PRTR Estimation Manual vol. 13 VALVE MANUFACTURING INDUSTRY Japão 2005</p> <p>PRTR Estimation Manual vol. 12 CAN MANUFACTURING INDUSTRY Japão 2005</p> <p>PRTR Estimation Manual vol. 10 DIE CASTING INDUSTRY Japão 2005</p> <p>Emission Estimation Technique Manual for Timber and Wood Product Manufacturing NPI 1999</p> <p>Emission Estimation Technique Manual for Surface Coating NPI 1999</p> <p>Emission Estimation Technique Manual for Railway Yard Operations NPI 1999</p> <p>Emission Estimation Technique Manual for Organic Chemical Processing Industries NPI 1999</p> <p>Emission Estimation Technique Manual for Lime and Dolomite Manufacturing NPI 1999</p> <p>Emission Estimation Technique Manual for Iron & Steel Production NPI 1999</p> <p>Emission Estimation Technique Manual for Hot Mix Asphalt Manufacturing NPI 1999</p> <p>Emission Estimation Technique Manual for Gas Supply NPI 1999</p> <p>Emission Estimation Technique Manual for Fruit and Vegetable Processing Industry NPI 1999</p> <p>Emission Estimation Technique Manual for Concrete Batching and Concrete Product Manufacturing NPI 1999</p> <p>Emission Estimation Technique Manual for Combustion in Boilers - Manual and Addendum NPI 2003</p>

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Ordem	Poluentes	N° CAS	Técnica analítica de medição			Métodos de cálculo e estimação
			Ar	Água	Solo	
0181	Tolueno	108-88-3				<p>Emission Estimation Technique Manual for Combustion Engines NPI 2002</p> <p>Emission Estimation Technique Manual for Bricks, Ceramics & Clay Product Manufacturing NPI 1998</p> <p>Emission Estimation Technique Manual for Aluminum Smelting NPI 1999</p> <p>Emission Estimation Technique Manual for Alumina Refining NPI 1999</p> <p>Emission Estimation Technique Manual for Aggregated Emissions from Printing and Graphic Arts NPI 1999</p> <p>Emission Estimation Technique Manual for Aggregated Emissions from Motor Vehicle Refinishing NPI 1999</p> <p>Emission Estimation Technique Manual for Aggregated Emissions from Fuel Combustion (sub-threshold) NPI 1999</p> <p>Emission Estimation Technique Manual for Aggregated Emissions from Fuel and Organic Liquid Storage NPI 2003</p> <p>Emission Estimation Technique Manual for Aggregated Emissions from Cutback Bitumen NPI 1999</p> <p>Emission Estimation Technique Manual for Aggregated Emissions from Aircraft NPI 2003</p> <p>Emission Estimation Technique Manual for Aggregated Emissions for Cement Manufacturing NPI 1999</p>
0182	Toxafeno	8001-35-2	USEPA 8270	USEPA 8081 USEPA 8270	USEPA 4040 USEPA 8081 USEPA 8270	U.S. EPA AP-42; Chapter 9.2.2 Pesticide application
0183	Tributilestanho e compostos	688-73-3		NE ISO 17353:2005 USEPA 8091	USEPA 8091	
0184	Triclorobenzeno	12002-48-1		NE ISO 15680:2003		
0185	1,1,2-Tricloroetano	79-00-5	NBR 10544 USEPA 0031 USEPA 5041 USEPA 8260 USEPA 8261	USEPA 5032 USEPA 8021 USEPA 8260 USEPA 8261	USEPA 5021 USEPA 5032 USEPA 8021 USEPA 8260 USEPA 8261	<p>U.S. EPA AP-42 Chapter 4: 4.3 waste water collection, treatment and storage</p> <p>U.S. EPA AP-42 Chapter 7: Liquid Storage Tanks</p> <p>Emission Estimation Technique Manual for Aluminum Smelting NPI 1999</p>

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Ordem	Poluentes	N° CAS	Técnica analítica de medição			Métodos de cálculo e estimação
			Ar	Água	Solo	
0186	1,1,1-Tricloroetano	71-55-6	NBR 10544 USEPA 0030 USEPA 0031 USEPA 5041 USEPA 8260 USEPA 8261	USEPA 5032 USEPA 8021 USEPA 8260 USEPA 8261	USEPA 5021 USEPA 5032 USEPA 8021 USEPA 8260 USEPA 8261	U.S. EPA AP-42 Chapter 2: solid waste disposal U.S. EPA AP-42 Chapter 4: 4.3 waste water collection, treatment and storage U.S. EPA AP-42 Chapter 7: Liquid Storage Tanks PRTR Estimation Manual vol. 14 LAUNDRY and DRY CLEANING INDUSTRY Japão 2005 Emission Estimation Technique Manual for Bricks, Ceramics & Clay Product Manufacturing NPI 1998 Emission Estimation Technique Manual for Alumina Refining NPI 1999
0187	Tricloroetileno	79-01-6	NBR 10544 USEPA 0030 USEPA 0031 USEPA 5041 USEPA 8260 USEPA 8261	NE ISO 15680:2003 NE ISO 10301:1997 USEPA 5032 USEPA 8021 USEPA 8260 USEPA 8260 USEPA 8261 USEPA 8535	USEPA 5021 USEPA 5032 USEPA 8021 USEPA 8260 USEPA 8261	U.S. EPA AP-42 Chapter 2: solid waste disposal U.S. EPA AP-42 Chapter 4: 4.3 waste water collection, treatment and storage U.S. EPA AP-42 Chapter 7: Liquid Storage Tanks Emission Estimation Technique Manual for Aluminum Smelting NPI 1999 PRTR Estimation Manual vol. 10 DIE CASTING INDUSTRY Japão 2005 PRTR Estimation Manual vol. 15 INDUSTRIAL CLEANING INDUSTRY Japão 2005 PRTR Estimation Manual vol. 16 HOUSING MANUFACTURING INDUSTRY Japão 2005 PRTR Estimation Manual vol. 18 AIRCRAFT MAINTENANCE INDUSTRY Japão 2005 PRTR Estimation Manual vol. 2 LIGHT METAL PRODUCTS INDUSTRY Japão 2005 PRTR Estimation Manual vol. 25 FORGING INDUSTRY Japão 2005 PRTR Estimation Manual vol. 4 AUTOMOBILE MAINTENANCE INDUSTRY Japão 2005 PRTR Estimation Manual vol. 6 ELECTROPLATING INDUSTRY Japão 2005
0188	Trifenilestanho e compostos	892-20-6		NE ISO 17353:2005		
0189	Trifluralina	1582-09-8	USEPA 8270	USEPA 8081 USEPA 8091 USEPA 8270	USEPA 8081 USEPA 8091 USEPA 8270	U.S. EPA AP-42; Chapter 9.2.2 Pesticide application
0190	Tris (2,3-dibromopropil) fosfato	126-72-7				

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Ordem	Poluentes	N° CAS	Técnica analítica de medição			Métodos de cálculo e estimação
			Ar	Água	Solo	
0191	Vanádio e compostos	7440-62-2		USEPA 6010 USEPA 6020 USEPA 6800 USEPA 7000	USEPA 6020 USEPA 6200 USEPA 6800 USEPA 7000	U.S. EPA AP-42 Chapter 2: solid waste disposal
0192	Xileno	1330-20-7	NBR 5822 USEPA 5041	NBR 5822 NE ISO 15680:2003 USEPA 3005 USEPA 3010		U.S. EPA AP-42 Chapter 2: solid waste disposal U.S. EPA AP-42 Chapter 4: 4.3 waste water collection, treatment and storage U.S. EPA AP-42 Chapter 7: Liquid Storage Tanks PRTR Estimation Manual vol. 9 IRON CASTING INDUSTRY Japão 2005 PRTR Estimation Manual vol. 8 CEMENT FIBERBOARD INDUSTRY Japão 2005 PRTR Estimation Manual vol. 7 ASBESTOS INDUSTRY Japão 2005 PRTR Estimation Manual vol. 6 ELECTROPLATING INDUSTRY Japão 2005 PRTR Estimation Manual vol. 5 HOT-DIP INDUSTRY Japão 2005 PRTR Estimation Manual vol. 4 AUTOMOBILE MAINTENANCE INDUSTRY Japão 2005 PRTR Estimation Manual vol. 29 SWITCHGEAR and CONTROLGEAR MANUFACTURING INDUSTRY Japão 2005 PRTR Estimation Manual vol. 27 BONDED ADHESIVE PRODUCTS MANUFACTURING INDUSTRY Japão 2005 PRTR Estimation Manual vol. 25 FORGING INDUSTRY Japão 2005 PRTR Estimation Manual vol. 24 CORRUGATED PACKAGING INDUSTRY Japão 2005 PRTR Estimation Manual vol. 23 GASOLINE SERVICE STATION Japão 2005 PRTR Estimation Manual vol. 22 PAINTING COATING PROCESSES Japão 2005 PRTR Estimation Manual vol. 20 ADHESIVE TAPE MANUFACTURING INDUSTRY Japão 2005 PRTR Estimation Manual vol. 2 LIGHT METAL PRODUCTS INDUSTRY Japão 2005 PRTR Estimation Manual vol. 19 AUTOMOBILE CHEMICAL MANUFACTURING INDUSTRY Japão 2005 PRTR Estimation Manual vol. 18 AIRCRAFT MAINTENANCE INDUSTRY Japão 2005 PRTR Estimation Manual vol. 16 HOUSING MANUFACTURING INDUSTRY Japão 2005

Cont.

Ordem	Poluentes	N° CAS	Técnica analítica de medição			Métodos de cálculo e estimação
			Ar	Água	Solo	
0192	Xileno	1330-20-7				<p>PRTR Estimation Manual vol. 14 LAUNDRY and DRY CLEANING INDUSTRY Japão 2005</p> <p>PRTR Estimation Manual vol. 13 VALVE MANUFACTURING INDUSTRY Japão 2005</p> <p>PRTR Estimation Manual vol. 12 CAN MANUFACTURING INDUSTRY Japão 2005</p> <p>Emission Estimation Technique Manual for Timber and Wood Product Manufacturing NPI 1999</p> <p>Emission Estimation Technique Manual for Surface Coating NPI 1999</p> <p>Emission Estimation Technique Manual for Railway Yard Operations NPI 1999</p> <p>Emission Estimation Technique Manual for Lime and Dolomite Manufacturing NPI 1999</p> <p>Emission Estimation Technique Manual for Iron & Steel Production NPI 1999</p> <p>Emission Estimation Technique Manual for Hot Mix Asphalt Manufacturing NPI 1999</p> <p>Emission Estimation Technique Manual for Gas Supply NPI 1999</p> <p>Emission Estimation Technique Manual for Fruit and Vegetable Processing Industry NPI 1999</p> <p>Emission Estimation Technique Manual for Ferris Foundries NPI 1999</p> <p>Emission Estimation Technique Manual for Concrete Batching and Concrete Product Manufacturing NPI 1999</p> <p>Emission Estimation Technique Manual for Combustion in Boilers - Manual and Addendum NPI 2003</p> <p>Emission Estimation Technique Manual for Combustion Engines NPI 2002</p> <p>Emission Estimation Technique Manual for Bricks, Ceramics & Clay Product Manufacturing NPI 1998</p> <p>Emission Estimation Technique Manual for Aluminum Smelting NPI 1999</p> <p>Emission Estimation Technique Manual for Alumina Refining NPI 1999</p> <p>Emission Estimation Technique Manual for Aggregated Emissions from Printing and Graphic Arts NPI 1999</p> <p>Emission Estimation Technique Manual for Aggregated Emissions from Motor Vehicle Refinishing NPI 1999</p> <p>Emission Estimation Technique Manual for Aggregated Emissions from Fuel Combustion (sub-threshold) NPI 1999</p> <p>Emission Estimation Technique Manual for Aggregated Emissions from Fuel and Organic Liquid Storage NPI 2003</p> <p>Emission Estimation Technique Manual for Aggregated Emissions from Aircraft NPI 2003</p>

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Ordem	Poluentes	N° CAS	Técnica analítica de medição			Métodos de cálculo e estimação
			Ar	Água	Solo	
0192	Xileno	1330-20-7				Emission Estimation Technique Manual for Aggregated Emissions for Cement Manufacturing NPI 1999
0193	2,4-Xilenol	105-67-9	USEPA 8270	USEPA 8270	USEPA 8270	U.S. EPA AP-42 Chapter 4: 4.3 waste water collection, treatment and storage U.S. EPA AP-42; Chapter 9.2.2 Pesticide application
0194	Zinco e compostos	7440-66-6	USEPA 0060 waste incinerators USEPA 29 Metals Emissions from Stationary Sources	NBR 11019 NE ISO 11885:1997	USEPA 6020 USEPA 6200 USEPA 3005 USEPA 6800 USEPA 3010 USEPA 7000 USEPA 6010 USEPA 6020 USEPA 6800 USEPA 7000	U.S. EPA AP-42 Chapter 2: solid waste disposal PRTR Estimation Manual vol. 6 ELECTROPLATING INDUSTRY Japão 2005 PRTR Estimation Manual vol. 9 IRON CASTING INDUSTRY Japão 2005 PRTR Estimation Manual vol. 8 CEMENT FIBERBOARD INDUSTRY Japão 2005 PRTR Estimation Manual vol. 5 HOT-DIP INDUSTRY Japão 2005 PRTR Estimation Manual vol. 29 SWITCHGEAR and CONTROLGEAR MANUFACTURING INDUSTRY Japão 2005 PRTR Estimation Manual vol. 25 FORGING INDUSTRY Japão 2005 PRTR Estimation Manual vol. 24 CORRUGATED PACKAGING INDUSTRY Japão 2005 PRTR Estimation Manual vol. 22 PAINTING COATING PROCESSES Japão 2005 PRTR Estimation Manual vol. 18 AIRCRAFT MAINTENANCE INDUSTRY Japão 2005 PRTR Estimation Manual vol. 16 HOUSING MANUFACTURING INDUSTRY Japão 2005 PRTR Estimation Manual vol. 12 CAN MANUFACTURING INDUSTRY Japão 2005 PRTR Estimation Manual vol. 10 DIE CASTING INDUSTRY Japão 2005 PRTR Estimation Manual vol. 1 PAPER INDUSTRY Japão 2005 Japão vol. 017 indústria de metais não ferrosos Emission Estimation Technique Manual for Zinc Concentrating, Smelting and Refining NPI 1999 Emission Estimation Technique Manual for Railway Yard Operations NPI 1999 Emission Estimation Technique Manual for Lime and Dolomite Manufacturing NPI 1999 Emission Estimation Technique Manual for Iron & Steel Production NPI 1999 Emission Estimation Technique Manual for Hot Mix Asphalt Manufacturing NPI 1999

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Ordem	Poluentes	N° CAS	Técnica analítica de medição			Métodos de cálculo e estimação
			Ar	Água	Solo	
0194	Zinco e compostos	7440-66-6				Emission Estimation Technique Manual for Gold Ore Processing NPI 2001 Emission Estimation Technique Manual for Galvanizing NPI 1999 Emission Estimation Technique Manual for Fossil Fuel Electric Power Generation NPI 1999 Emission Estimation Technique Manual for Ferroalloy Production NPI 1999 Emission Estimation Technique Manual for Combustion in Boilers - Manual and Addendum NPI 2003 Emission Estimation Technique Manual for Combustion Engines NPI 2002 Emission Estimation Technique Manual for Aluminum Smelting NPI 1999 Emission Estimation Technique Manual for Alumina Refining NPI 1999 Emission Estimation Technique Manual for Aggregated Emissions from Printing and Paved and Unpaved roads NPI 1999 Emission Estimation Technique Manual for Aggregated Emissions from Fuel Combustion (sub-threshold) NPI 1999 Emission Estimation Technique Manual for Aggregated Emissions from Cutback Bitumen NPI 1999 Emission Estimation Technique Manual for Aggregated Emissions for Cement Manufacturing NPI 1999

Legendas:

Associação Brasileira de Normas**Técnicas ABNT**

NormaNet

<http://www.abnt.org.br><http://www.abtnet.com.br/ecommerce/default.aspx>

NBR	NM 20	Cimento Portland e suas matérias-primas - Análise química - Determinação de dióxido de carbono por gasometria
NBR	5756	Água - Determinação de hidrazina
NBR	5772	Determinação de óleo em amônia anidra em fertilizantes
NBR	5773	Determinação de água e nitrogênio em amônia anidra para fertilizantes
NBR	5777	Gasolina - Determinação de chumbo tetraetila - Método complexométrico pelo EDTA
NBR	5822	Benzeno, tolueno, xileno, naftas solventes e hidrocarbonetos aromáticos industriais similares - Determinação da acidez
NBR	5929	Motores de combustão interna alternativos veiculares a etanol
NBR	6367	Estanho metálico - Análise química

NBR	6454	Fibras de amianto para produção de cimento-amianto
NBR	6601	Veículos rodoviários automotores leves - Determinação de hidrocarbonetos, monóxido de carbono, óxidos de nitrogênio, dióxido de carbono e material particulado no gás de escapamento
NBR	6852	Cromo metálico para fins metalúrgicos
NBR	7245	Estanho metálico para fins metalúrgicos
NBR	7820	Segurança nas instalações de produção, armazenamento, manuseio e transporte de etanol (álcool etílico)
NBR	7823	Plástico - Chapas de poli(metacrilato de metila) - Tipos, dimensões e características; partes 1 e 2
NBR	8275	Ligas de chumbo - Determinação do antimônio - Método volumétrico - Método do bromato
NBR	8276	Chumbo - Determinação do antimônio - Método espectrofotométrico
NBR	8773	Fertilizantes - Determinação de boro
NBR	9175	Fertilizantes - Determinação de cobalto - Método colorimétrico do 2-nitroso-1-naftol
NBR	9217	Fertilizantes - Determinação de cobalto pelo método espectrofotométrico de absorção atômica
NBR	9218	Butadieno - Determinação do teor de carbonila
NBR	9352	Níquel - Determinação de arsênio - Método da piridina-prata (espectrofotométrico)
NBR	9420	Butadieno - Determinação gravimétrica de resíduo não volátil
NBR	9421	Butadieno - Determinação da alcalinidade
NBR	9431	Benzeno - Determinação do ponto de solidificação
NBR	9546	:1986: Dióxido de enxofre no ar - ambiente: determinação da concentração pelo método de pararrosanilina
NBR	9562	Hidrocarbonetos aromáticos - Determinação do índice de bromo pela titulação potenciométrica
NBR	9681	Aldrin - Análise por cromatografia em fase gasosa - Padronização externa
NBR	9850	Ácido clorídrico - Determinação de arsênio - Método espectrofotométrico visível com dietilditiocarbamato de prata
NBR	9946	Ácido fosfórico para uso industrial (inclusive alimentar) - Determinação do teor de arsênio pelo método colorimétrico com dietilditiocarbamato de prata
NBR	10258	Superfície de peças cerâmicas vidradas - Determinação do teor de chumbo e de cádmio liberado
NBR	10260	Alcool etílico - Determinação dos teores de acetal, acetaldeído, acetato de etila, acetona, álcool metílico, álcoois superiores e benzeno por cromatografia gasosa
NBR	10266	Álcoois - Determinação do número de bromo
NBR	10471	Zinco e suas ligas - Determinação de alumínio, cádmio, cobre, ferro, chumbo e magnésio - Método de absorção atômica
NBR	10544	Solventes clorados
NBR	10560	:1988: Determinação de nitrogênio amoniacal - métodos de nesslerização, fenato e titulométrico.
NBR	10561	:1988: Determinação de resíduo semimentável método do cone de Imhoff.
NBR	10576	Óleo mineral isolante de equipamentos elétricos - Diretrizes para supervisão e manutenção
NBR	10649	Álcool etílico - Determinação de benzeno por espectrofotometria no ultravioleta
NBR	10664	:1989: Determinação de resíduo (sólidos), método gravimétrico.
NBR	10701	:1989: Determinação de pontos de amostragem em dutos e chaminés de fonte estacionária.

NBR	10709	Revestimentos de cádmio eletrodepositado sobre ferro ou aço
NBR	10741	Água - Determinação de carbono orgânico total - Método da combustão-infravermelho
NBR	11014	Águas minerais e de mesa - Determinação de cádmio
NBR	11019	Águas minerais e de mesa - Determinação de zinco
NBR	11030	Couro - Determinação de substâncias extraíveis em diclorometano
NBR	11051	Pastas pigmentadas - Determinação dos cátions, chumbo, cádmio e cromo
NBR	11054	Couro - Determinação de óxido crômico total
NBR	11174	:1990: Armazenamento de resíduos de classe II, não inertes e III inertes.
NBR	11175	:1990: Incineração de resíduos sólidos perigosos: padrão de desempenho.
NBR	11334	Monoetilenoglicol - Grau capacitor eletrolítico
NBR	11335	Monoetilenoglicol - Grau de fibra poliéster
NBR	11343	Produtos de petróleo - Determinação do ponto de anilina e do ponto de anilina misto
NBR	11347	Produtos de petróleo e olefinas alifáticas comerciais - Determinação do número de bromo - Método eletrométrico
NBR	11902	Hexafluoreto de enxofre
NBR	11948	Poliestireno expandido para isolamento térmica - Determinação da flamabilidade
NBR	11949	Poliestireno expandido para isolamento térmica - Determinação da massa específica aparente
NBR	11962	Níquel - Determinação de antimônio - Método da absorção atômica
NBR	12019	Efluentes gasosos em dutos e chaminés de fontes estacionárias - Determinação de material particulado
NBR	12160	Hexafluoreto de enxofre - Verificação das propriedades
NBR	12619	:1992: Determinação de nitrito-método da sulfanilamida e N(1-naftil)-etilenodiamina.
NBR	12642	:1999: Determinação de cianeto total - método colorimétrico e titulométrico.
NBR	12649	:1992: Caracterização de cargas poluidoras na mineração.
NBR	12772	Água - Determinação de fósforo
NBR	12827	:1993: Efluentes gasosos com o sistema filtrante no interior do duto ou chaminé de fonte estacionárias: determinação de material particulado.
NBR	12938	Acido fosfórico para uso industrial - Determinação de metais pesados
NBR	12979	:1993: Determinação da concentração de dióxido de enxofre pelo método do peróxido de hidrogênio.
NBR	13157	:1994: Determinação da concentração de monóxido de carbono por espectrofotometria de infravermelho não-dispersivo.
NBR	13158	:1994: Avaliação de agentes químicos no ar: coleta de fibras respiráveis inorgânicas em suspensão no ar e análise por microscopia ótica de contraste de fase. Método do filtro de membrana.
NBR	13341	Banho residual de curtimento e recurtimento - Determinação do teor de óxido de cromo III (PROJETO DE REVISÃO EM CONSULTA NACIONAL ATÉ 06.11.2006)
NBR	13404	:1995: Determinação de resíduos de pesticidas organoclorados por cromatografia gasosa.
NBR	13405	:1995: Determinação de resíduos de pesticidas organofosforados por cromatografia gasosa.
NBR	13406	:1995: Determinação de resíduos de herbicidas fenoxiácidos clorados por cromatografia gasosa.

NBR	13407	Determinação de trihalometanos em água tratada para abastecimento por extração líquido/líquido
NBR	13540	Analizador infravermelho de monóxido de carbono (CO), hidrocarbonetos (HC) e dióxido de carbono (CO2) contidos no gás de escapamento de veículos rodoviários automotores leves - Ensaio
NBR	13737	Água - Determinação de fluoreto - Métodos colorimétrico Spadns, visual de alizarina e eletrodo de íon específico
NBR	13739	Água - Determinação de manganês total - Método colorimétrico do persulfato
NBR	13740	Água - Determinação do cromo total - Método colorimétrico da s-difenilcabazida
NBR	13741	Destinação de bifenilas policloradas
NBR	13744	:1996: Cianetos: processos de destruição em efluentes de mineração.
NBR	13801	Água - Determinação de arsênio pelo método de dietilditiocarbamato de prata
NBR	13802	Água - Determinação de selênio pelo método colorimétrico da diaminobenzidina
NBR	13803	Água - Determinação de mercúrio total pelo método da espectrometria de absorção atômica por geração de vapor a frio
NBR	13810	Água - Determinação de metais - Método de espectrometria de absorção atômica por chama
NBR	13813	Água - Determinação de estanho - Método da espectrometria de absorção atômica por chama
NBR	13882	Líquidos isolantes elétricos - Determinação do teor de bifenilas policloradas (PCB)
NBR	14001	Pastas celulósicas - Determinação de material solúvel em diclorometano
NBR	14062	Arsênio - Processos de remoção em efluentes de mineração
NBR	14176	Couro - Determinação do teor de cromo solúvel
NBR	14296	Couro - Determinação de substâncias extraíveis com hexano
NBR	14388	Papel, cartão e pasta celulósica - Determinação do teor de cádmio - Método de absorção atômica
NBR	14489	Motor diesel - Análise e determinação dos gases e do material particulado emitidos por motores do ciclo diesel - Ciclo de 13 pontos
NBR	14571	Cádmio - Processo de tratamento em efluentes líquidos
NBR	14572	Chumbo - Processo de tratamento em efluentes líquidos
NBR	14583	Madeira - Determinação do material solúvel em etanol-tolueno e em diclorometano
NBR	15289	Gasolina - Determinação de benzeno e tolueno por cromatografia em fase gasosa
NBR	15343	Biodiesel - Determinação da concentração de metanol e/ou etanol por cromatografia gasosa
NBR	15441	Combustíveis de motores a explosão - Determinação de benzeno por espectroscopia de infravermelho médio
NBR	15460	Membrana elastomérica de isobutileno isopreno em solução para impermeabilização
NBR	15598	Veículos rodoviários automotores leves - Determinação de etanol não queimado contido no gás de escapamento, por cromatografia gasosa - Método de ensaio

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- EN 1911-1:1998: *Stationary source emissions - Manual method of determination of HCl - Part 1: Sampling of gases*
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- EN 1911-3:1998: *Stationary source emissions - Manual method of determination of HCl - Part 3: Absorption solutions analysis and calculation*
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- EN 13211:2001: *Air quality - Stationary source emissions - Manual method of determination of the concentration of total mercury*
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- EN ISO 5667-10:1992: *Water quality; sampling; part 10: guidance on sampling of waste waters*
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- EN ISO 6878:2004: *Water quality - Determination of phosphorus - Ammonium molybdate spectrometric method*
- EN ISO 9562:2004: *Water quality - Determination of adsorbable organically bound halogens (AOX)*
- EN ISO 10301:1997: *Water quality - Determination of highly volatile halogenated hydrocarbons - Gas-chromatographic methods*
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- EN ISO 11885:1997: *Water quality - Determination of 33 elements by inductively coupled plasma atomic emission spectroscopy*
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EN ISO 17993:2003: *Water quality - Determination of 15 polycyclic aromatic hydrocarbons (PAH) in water by HPLC with fluorescence detection after liquid-liquid extraction*

EN ISO 18856:2005: *Water quality - Determination of selected phthalates using gas chromatography/mass spectrometry*

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**U.S. Environmental Protection Agency
Wastes - hazardous waste - test methods
CFR Promulgated Test Methods**

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<http://www.epa.gov/ttn/emc/promgate.html>

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Method 0011 Sampling for Selected Aldehyde and Ketone Emissions from Stationary Sources

Method 0023A Sampling Method for Polychlorinated Dibenzo-p-Dioxins and Polychlorinated Dibenzofuran Emissions from Stationary Sources

Method 0030 Volatile Organic Sampling Train

Method 0031 Sampling Method for Volatile Organic Compounds

Method 0050 Isokinetic HCl/Cl₂ Emission Sampling Train

Method 0051 Midget Impinger HCl/Cl₂ Emission Sampling Train

Method 0060 Determination of Metals in Stack Emissions

Method 0100 Sampling for Formaldehyde and Other Carbonyl Compounds in Indoor Air

Method 5041 Analysis for Desorption of Sorbent Cartridges from Volatile Organic Sampling Train (VOST)

Method 8015C Nonhalogenated Organics by Gas Chromatography

Method 8085 Compound-independent Elemental Quantitation of Pesticides by Gas Chromatography with Atomic Emission Detection (GC/AED)

Method 8260B Volatile Organic Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method 8261 Volatile Organic Compounds by Vacuum Distillation in Combination with Gas Chromatography/Mass Spectrometry (VD/GC/MS)

Method 8270 Semivolatile Organic Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method 8520 Continuous Measurement of Formaldehyde in Ambient Air

Method 8 Sulfuric Acid Mist

Method 12 Inorganic Lead

Method 15 Hydrogen Sulfide, Carbonyl Sulfide, and Carbon Disulfide

Method 23 - Dioxin and Furan

Method 29 Metals Emissions from Stationary Sources

Method 310A - Residual Hexane

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Method 3005A Acid Digestion of Waters for Total Recoverable or Dissolved Metals for Analysis by FLAA or ICP Spectroscopy

Method 3010A Acid Digestion of Aqueous Samples and Extracts for Total Metals for Analysis by FLAA or ICP Spectroscopy

Method 3040A Dissolution Procedure for Oils, Greases, or Waxes

Method 5032 Volatile Organic Compounds by Vacuum Distillation

Method 6010C Inductively Coupled Plasma-Atomic Emission Spectrometry

Method 6020 Inductively Coupled Plasma-Mass Spectrometry

Method 6800 Elemental and Speciated Isotope Dilution Mass Spectrometry

Method 7000 Flame Atomic Absorption Spectrophotometry

Method 7061A Arsenic (Atomic Absorption, Gaseous Hydride)

Method 7470 Mercury in Liquid Waste (Manual Cold-Vapor Technique)

Method 7742 Selenium (Atomic Absorption, Borohydride Reduction)

Method 8011 1,2-Dibromoethane and 1,2-Dibromo-3-chloropropane by Microextraction and Gas Chromatography

Method 8021 Aromatic and Halogenated Volatiles by Gas Chromatography Using Photoionization and/or Electrolytic Conductivity Detectors

Method 8031 Acrylonitrile by Gas Chromatography

Method 8032 Acrylonitrile by Gas Chromatography

Method 8061 Phthalate Esters by Gas Chromatography with Electron Capture Detection (GC/ECD)

Method 8081 Organochlorine Pesticides by Gas Chromatography

Method 8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method 8091 Nitroaromatics and Cyclic Ketones by Gas Chromatography

Method 8121 Chlorinated Hydrocarbons by Gas Chromatography: Capillary Column Technique

Method 8131 Aniline and Selected Derivatives by Gas Chromatography

Method 8141 Organophosphorus Compounds by Gas Chromatography

Method 8151 Chlorinated Herbicides by GC Using Methylation or Pentafluorobenzoylation Derivatization

Method 8260B Volatile Organic Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method 8261 Volatile Organic Compounds by Vacuum Distillation in Combination with Gas Chromatography/Mass Spectrometry (VD/GC/MS)

Method 8270 Semivolatile Organic Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method 8275A Semivolatile Organic Compounds (PAHs and PCBs) in Soils/Sludges and Solid Wastes Using Thermal Extraction/Gas Chromatography/Mass Spectrometry (TE/GC/MS)

Method 8280 Polychlorinated Dibenzo-p-Dioxins (PCDDs) and Polychlorinated Dibenzofurans (PCDFs) by High Resolution Gas Chromatography/Low Resolution Mass Spectrometry (HRGC/LRMS)

Method 8310 Polynuclear Aromatic Hydrocarbons

Method 8316 Acrylamide, Acrylonitrile and Acrolein by High Performance Liquid Chromatography (HPLC)

Method 8318 N-Methylcarbamates by High Performance Liquid Chromatography (HPLC)

Method 8325 Solvent Extractable Nonvolatile Compounds by High Performance Liquid Chromatography/Particle Beam/Mass Spectrometry (HPLC/PB/MS)

Method 8330A Nitroaromatics and Nitramines by High Performance Liquid Chromatography (HPLC)

Method 8332 Nitroglycerine by High Performance Liquid Chromatography

Method 8410 Gas Chromatography/Fourier Transform Infrared (GC/FT-IR) Spectrometry for Semivolatile Organics: Capillary Column

Method 8430 Analysis of Bis(2-chloroethyl) Ether and Hydrolysis Products by Direct Aqueous Injection GC/FT-IR

Method 8535 Screening Procedure for Total Volatile Organic Halides in Water

Method 9012 Total and Amenable Cyanide (Automated Colorimetric, with Off-Line Distillation)

Method 9060 Total Organic Carbon

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Method 1310 Extraction Procedure (EP) Toxicity Test Method and Structural Integrity Test

Method 1330 Extraction Procedure for Oily Wastes

Method 3561 Supercritical Fluid Extraction of Polynuclear Aromatic Hydrocarbons

Method 3562 Supercritical Fluid Extraction of Polychlorinated Biphenyls (PCBs) and Organochlorine Pesticides

Method 4010A Screening for Pentachlorophenol by Immunoassay

Method 4020 Screening for Polychlorinated Biphenyls by Immunoassay

Method 4035 Soil Screening for Polynuclear Aromatic Hydrocarbons by Immunoassay

Method 4040 Soil Screening for Toxaphene by Immunoassay

Method 4041 Soil Screening for Chlordane by Immunoassay

Method 4042 Soil Screening for DDT by Immunoassay

Method 4670 Triazine Herbicides as Atrazine in Water by Quantitative Immunoassay

Method 5000 Sample Preparation for Volatile Organic Compounds

Method 5021 Volatile Organic Compounds in Soils and Other Solid Matrices Using Equilibrium Headspace Analysis

Method 5032 Volatile Organic Compounds by Vacuum Distillation

Method 5050 Bomb Preparation Method for Solid Waste

Method 6020 Inductively Coupled Plasma-Mass Spectrometry

Method 6200 Field Portable X-Ray Fluorescence Spectrometry for the Determination of Elemental Concentrations in Soil and Sediment

Method 6800 Elemental and Speciated Isotope Dilution Mass Spectrometry

Method 7000 Flame Atomic Absorption Spectrophotometry

Method 7061A Arsenic (Atomic Absorption, Gaseous Hydride)

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Method 8280 Polychlorinated Dibenzo-p-Dioxins (PCDDs) and Polychlorinated Dibenzofurans (PCDFs) by High Resolution Gas Chromatography/Low Resolution Mass Spectrometry (HRGC/LRMS)
Method 8310 Polynuclear Aromatic Hydrocarbons
Method 8325 Solvent Extractable Nonvolatile Compounds by High Performance Liquid Chromatography/Particle Beam/Mass Spectrometry (HPLC/PB/MS)
Method 8330A Nitroaromatics and Nitramines by High Performance Liquid Chromatography (HPLC)
Method 8332 Nitroglycerine by High Performance Liquid Chromatography
Method 8410 Gas Chromatography/Fourier Transform Infrared (GC/FT-IR) Spectrometry for Semivolatile Organics: Capillary Column
Method 8540 Pentachlorophenol by UV-Induced Colorimetry
Method 9013 Cyanide Extraction Procedure for Solids and Oils
Method 9071 n-Hexane Extractable Material (HEM) for Sludge, Sediment, and Solid Samples
Method 9078 Screening Test Method for Polychlorinated Biphenyls in Soil

GERAIS

Method 8000B Determinative Chromatographic Separations
Method 8100 Polynuclear Aromatic Hydrocarbons
Method 8290A Polychlorinated Dibenzodioxins (PCDDs) and Polychlorinated Dibenzofurans (PCDFs) by High-Resolution Gas Chromatography/High-Resolution Mass Spectrometry (HRGC/HRMS)
Method 8315A Determination of Carbonyl Compounds by High Performance Liquid Chromatography (HPLC)
Method 8321 Solvent Extractable Nonvolatile Compounds by High Performance Liquid Chromatography/Thermospray/Mass Spectrometry (HPLC/TS/MS) or Ultraviolet (UV) Detection
Method 9014 Titrimetric and Manual Spectrophotometric Determinative Methods for Cyanide

U.S. Environmental Protection Agency

Technology Transfer Network

TTN web

<http://www.epa.gov/ttn/index.html>

***Emissions Measurement Center
Air Toxic web site***

*Clearinghouse for Inventory and Emissions Factors
AP-42, 5^o Ed., vol 1*

Chapter 1: External Combustion Source

Chapter 2: Solid Waste Disposal

Chapter 3: Stationary Internal Combustion Sources

Chapter 4: Evaporation Loss Sources

Chapter 5: Petroleum Industry

Chapter 6: Organic Chemical Process Industry

Chapter 7: Liquid Storage Tanks

Chapter 8: Inorganic Chemical Industry

Chapter 9: Food and Agricultural Industries

Chapter 10: Wood Products Industry

Chapter 11: Mineral Products Industry

Chapter 12: Metallurgical Industry

Chapter 13: Miscellaneous Sources

Chapter 14: Greenhouse Gas Biogenic Sources

Chapter 15: Ordnance detonation

Toxic Release Inventory (TRI) Program

Locating and Estimating Air Emissions From Sources of :

	<i>EPA Document Number</i>
Acrylonitrile	450/4-84-007a
Arsenic and arsenic compounds	454/R-98-013
Benzene part 1	454/R-98-011
Benzene part 2	
1,3 Butadiene	454/R-96-008
Cadmium	454/R-93-040
Carbon tetrachloride	450/4-84-007b

<http://www.epa.gov/ttn/emc/>

<http://www.epa.gov/ttn/atw/>

<http://www.epa.gov/ttn/chief/>

<http://www.epa.gov/ttn/chief/ap42/ch01/index.html>

<http://www.epa.gov/ttn/chief/ap42/ch02/index.html>

<http://www.epa.gov/ttn/chief/ap42/ch03/index.html>

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<http://www.epa.gov/ttn/chief/ap42/ch15/index.html>

http://www.epa.gov/tri/guide_docs/index.htm

<http://www.epa.gov/ttnchie1/le/>

Chlorobenzenos	454/R-93-044
Chloroform	450/4-84-007c
Chromium	450/4-84-007g
Chromium suplement	450/2-89-002
Cyanide	454/R-93-041
Dioxins and furans	454/R-97-003
Epichlorohydrin	450/4-84-007j
Ethylene dichloride	450/4-84-007d
Ethylene oxide	450/4-84-007i
Formaldehyde	450/4-91-012
Lead	454/R-98-006
Mercury	454/R-97-012
Methyl chloroform	454/R-93-045
Methyl ethyl ketone	454/R-93-046
Methylene chloride	454/R-93-006
Nickel	450/4-84-007f
Perchloroethylene and Trichloroethylene	450/2-89-013
Phosgene	450/4-84-007i
Polycyclic organic matter part 1	454/R-98-014
Polycyclic organic matter part 2	
Styrene	454/R-93-011
Toluene	454/R-93-047
Vinylidene choride	450/4-84-007k
Xylene	454/R-93-048

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PRTR Estimation Manual vol. 3 METAL HEAT TREATMENT INDUSTRY Japão 2005

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