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GLOBAL POLLUTANT RELEASE AND TRANSFER REGISTER, PROPOSAL FOR A HARMONISED LIST OF POLLUTANTS

Series on Pollutant Release and Transfer Registers
No. 16

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Series on Pollutant Release and Transfer Registers

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Global Pollutant Release and Transfer Register, Proposal for a Harmonised List of Pollutants

Environment Directorate
ORGANISATION FOR ECONOMIC CO-OPERATION AND DEVELOPMENT
Paris 2014

Publications on Pollutant Release and Transfer Registers

Pollutant Release and Transfer Registers (PRTRs): A Tool for Environmental Policy and Sustainable Development. Guidance Manual for Governments (OECD/GD(96)32) (1996).

PRTR Series
No. 1: Proceedings of the OECD International Conference on Pollutant Release and Transfer Registers (PRTRs). PRTRs: National and Global Responsibility. Tokyo, 9-11 September 1998. Part 1 (1999).

No. 2: Proceedings of the OECD International Conference on Pollutant Release and Transfer Registers (PRTRs). PRTRs: National and Global Responsibility. Tokyo, 9-11 September 1998. Part 2 (1999).

No. 3: Presentation and Dissemination of PRTR Data: Practices and Experiences, Getting the Word and Numbers Out (2000).

No. 4: How Pollutant Release and Transfer Registers Differ: A Review of National Programmes (2001).

No. 5: Resource Compendium of PRTR Release Estimation Techniques, Part 1: Summary of Point Source Techniques (2002; revised in 2013).

No. 6: Resource Compendium of PRTR Release Estimation Techniques, Part 2: Summary of Diffuse Source Techniques (2003).

No. 7: Uses of Pollutant Release and Transfer Register Data and Tools for Their Presentation: A Reference Manual (2005).

No. 8: Resource Compendium of PRTR Release Estimation Techniques, Part 3: Summary of Techniques for Off-site Transfers (2005).

No. 9: Framework for Selecting and Applying PRTR Release Estimation Techniques (2005).

No. 10: Scoping Study on the Inclusion of Releases and Transfers from Small and Medium-Sized Enterprises (SMEs) in PRTRs (2008).

No. 11: Considerations for Ensuring Quality PRTR Data (2008).

No. 12: Resource Compendium of PRTR Release Estimation Techniques, Part 4: Summary of Techniques for Releases from Products (2011).

No. 13: Global Pollutant Release and Transfer Registers, Proposal for a Harmonised List of Pollutants (2012).

No. 14: Application, Use and Presentation of Pollutant Release and Transfer Registers (PRTR) Data

No. 15: Global Pollutant Release and Transfer Register: Proposal for a Harmonised List of Reporting Sectors

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FOREWORD

In 2009, the 12th meeting of the OECD Task Force on Pollutant Release and Transfer Registers (PRTRs) noted that while there are about 1 200 chemicals in the PRTR Data Centre, only 14 of them are common to all PRTRs. It was recognized that the problem is to some extent related to the use of incorrect CAS numbers, different names for the same substance, etc. The Task Force agreed to eliminate mistakes and regroup (e.g. aggregate) the existing chemicals in order to produce a more harmonised list of chemicals than is available at present and thereby improve the comparability of PRTR data on a global scale. The work was done in three phases: the first phase focused on corrections, the second phase on aggregations, and the third phase on enhancements. Switzerland and the United States have the project and Spain provided financial assistance.

This report outlines the results of this work. It identifies all chemicals covered by five PRTRs and the Kiev Protocol, categorizes these chemicals into general pollutant classes, proposes unique identifiers for pollutants, and identifies common substances across different national/regional PRTRs. The chemical lists developed in this work could form the basis for the future development of guidance or recommendations for core elements of PRTRs. The first version of the document was reviewed and approved by the Task Force on PRTRs in October 2011. The Joint Meeting declassified the document in March 2012.

This document was revised in 2014 to include enhancements to this list of chemicals, such as the integration of chemicals covered under the Kiev Protocol, the addition of chemical-specific threshold information, and the addition of reporting data (e.g. numbers of reporting facilities). The revised document was reviewed and approved by the Task Force on PRTRs in March 2014. The Joint Meeting declassified the document in September 2014.

This document is published under the responsibility of the Joint Meeting of the Chemicals Committee and the Working Party on Chemicals, Pesticides and Biotechnology of the OECD.

EXECUTIVE SUMMARY

The primary reason for the Organisation for Economic Co-operation and Development (OECD) to propose a common list of pollutants was to increase the comparability of the existing data derived from various PRTR systems. Moreover, comparability is enhanced if newly established systems use the same pollutants and definitions as existing systems.

In 2010, preliminary results with respect to a proposal for a harmonised list of pollutants were presented (Boyce, 2010). A first integrated list with 1 184 uniquely named pollutants was developed using the chemical substance lists from five different PRTR systems: Australia, Canada, European Union, Japan and the U.S.

This preliminary list was then refined to produce the "Long Chemical List." Revisions made included combining duplicate entries, separating similar entries that correspond to different chemicals, and making corrections to erroneous entries. In addition, chemicals covered under the Kiev Protocol on Pollutant Release and Transfer Registers were integrated into the list. The revised Long Chemical List included 1086 chemicals covered by each of the five PRTRs. Following discussions with the representatives of the PRTR systems involved, the Long Chemical List was divided into 13 general pollutant classes (Table 1).

Table 1: Distribution of Long List Chemicals across Classes

Class	Chemicals	
	Count	Percent
1. Persistent Organic Pollutants (POPs)	42	4%
2. Metals*	76	7%
3. Inorganic substances	26	2%
4. Chlorinated and brominated organic substances	95	9%
5. Ozone depleting substances	42	4%
6. Greenhouse gases (GHGs)	6	1%
7. Other gases	27	2%
8. Polycyclic aromatic hydrocarbons (PAHs)	40	4%
9. Other organic substances	356	33%
10. Active substances of plant protection products or biocidal products	261	24%
11. Colors and dyes	20	2%
12. Active pharmaceutical ingredient (API)	8	1%
13. Non-grouped organic substances	87	8%
Total	**1 086**	**100%**

*Note that the term 'heavy metals' used in the E-PRTR system is replaced with the term 'metals' to comply with the IUPAC interpretation.

The next step in the project was to define a common list of pollutants (a "Short Chemical List") that includes chemicals that most countries would agree represents the most toxic or environmentally-relevant chemicals in commerce. This Short Chemical List would serve as a tool for consideration in the development of new PRTRs and the enhancement of existing PRTRs.

Three options for developing the common list of pollutants (Short Chemical List) were considered (Table 2):

- **Option 1:** Include chemicals covered by four or more of the five PRTRs, all Persistent Organic Pollutants (POPs), and all Greenhouse Gases (GHGs).

- **Option 2:** Include chemicals covered by three or more of the five PRTRs, all Persistent Organic Pollutants (POPs), and all Greenhouse Gases (GHGs).

- **Option 3:** Include chemicals covered by four or more of the five PRTRs, all Persistent Organic Pollutants (POPs), all Greenhouse Gases (GHGs), and all chemicals covered under the Kiev Protocol.

Table 2. Total Number of Pollutants Present on the Short Chemical List

Class	Number of Entries		
	Chemicals in at least 4 PRTR Systems + POPs + GHGs (Option 1)	**Chemicals in at least 3 PRTR Systems + POPs + GHGs (Option 2)**	**Chemicals in at least 4 PRTR Systems + POPs + GHGs + Kiev Protocol (Option 3)**
1. Persistent Organic Pollutants (POPs)	24	24	24
2. Metals	13	16	13
3. Inorganic substances	3	7	8
4. Chlorinated and brominated organic substances	11	22	17
5. Ozone depleting substances	3	3	3
6. Greenhouse gases (GHGs)	6	6	6
7. Other gases	3	10	7
8. Polycyclic aromatic hydrocarbons (PAHs)	2	8	3
9. Other organic substances	29	76	35
10. Active substances of plant protection products or biocidal products	-	5	10
11. Colors and dyes	-	-	-
12. Active pharmaceutical ingredient (API)	-	-	-
13. Non-grouped organic substances	-	-	-
Total	**94**	**177**	**126**

Following review by the Task Force on PRTRs, the Short Chemical List was finalized as the 126 chemicals selected under Option 3.

Two tasks were then undertaken to enhance these Long and Short Chemical Lists with contextual information that may be of use for applying the lists to develop and enhance of PRTRs:

1. **Addition of chemical-specific thresholds:** documenting reporting thresholds associated with each pollutant established under each PRTR system; and

2. **Addition of reporting data:** appending measures of how frequently each chemical is reported to each PRTR.

The enhanced Long and Short Chemical Lists are presented in Annexes 2 and 3.

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ABBREVIATIONS

API	Active Pharmaceutical Ingredient
BTEX	Benzene, Toluene, Ethylbenzene and Xylene
CAC	Criteria Air Contaminants
CAS Number	Chemical Abstracts Service number
CEPA	Canadian Environmental Protection Act
CFC	Chlorofluorocarbon
DDT	Dichlorodiphenyltrichloroethane
EEA	European Environmental Agency
EPCRA	Emergency Planning and Community Right-to-know Act
E-PRTR	European Pollutant Release and Transfer Register
GHG	Greenhouse Gas
HCB	Hexachlorobenzene
HCFC	Hydrochlorofluorocarbon
HFC	Hydrofluorocarbon
MOE	Ministry of the Environment
NIES	National Institute for Environmental Studies
NIP	National Implementation Plan
NPI	National Pollutant Inventory
NPRI	National Pollutant Release Inventory
OAR	Office of Air and Radiation
OECD	Organisation for Economic Co-Operation and Development
PAH	Polycyclic Aromatic Hydrocarbon
PCB	Polychlorinated Biphenyls
PCDD	Polychlorinated Dibenzodioxin

PCDF	Polychlorinated Dibenzofuran
PFC	Perfluorocarbon
POP	Persistent Organic Pollutant
PRTR	Pollutant Release and Transfer Register
TCDD	2,3,7,8-Tetrachlorodibenzo-P-Dioxin
TEF	Toxic Equivalency Factor
TEQ	Toxic Equivalent
TFPRTR	Task Force on Pollutant Release and Transfer Registers
TRI	Toxics Release Inventory (The U.S.)
TSMP	Toxic Substances Management Policy
U.S. EPA	United States Environmental Protection Agency
UNECE	United Nations Economic Commission for Europe
UNEP	United Nations Environment Programme
UNFCCC	United Nations Framework Convention on Climate Change
VOC	Volatile Organic Compound
WHO	World Health Organization
IUPAC	International Union of Pure and Applied Chemistry
PBT	Persistent, Bio-Accumulative and Toxic

1. BACKGROUND AND OBJECTIVES

Pollutant Release and Transfer Register (PRTR) systems have been established throughout the world to track releases and transfers of potentially harmful chemicals. Most of the PRTR systems established to date were designed to meet the needs of a specific country or region, with less attention being given to the comparability of the data among different PRTRs. Consequently, many PRTRs have differing requirements in terms of covered chemicals. Their respective differences confound integration of data across programs and hamper comparative analyses and aggregation of the valuable information PRTRs contain.

As a result of the recent and ever increasing emphasis on sustainable development as a global priority, there is a growing need to evaluate progress at the global level, not just at the country-specific, regional or continental levels. PRTRs are demonstrably practical and powerful pollution prevention tools that can be used to meet this need, however, combining and comparing PRTR data and information for use in global scale analysis remains a challenge. The OECD Task Force on Pollutant Release and Transfer Registers (TFPRTR) is currently undertaking an effort to address the growing need for data to be more comparable across PRTR systems. The primary reason for the Organisation for Economic Co-operation and Development (OECD) to propose a common list of pollutants was to increase the comparability of the existing data derived from various PRTR systems. Moreover, comparability is enhanced, if newly established systems use the same pollutants and definitions as existing systems.

The aim of the project was to evaluate the chemicals covered by five existing PRTRs[1]. The first step was to create list of chemicals covered by any of the five existing PRTRs and those chemicals recommended in the UNECE Kiev Protocol on PRTRs[2] (the "Long Chemical List"). The next step in the project was to define a common list of pollutants (the "Short Chemical List") meant to include chemicals that most countries would agree represent the most toxic or environmentally-relevant chemicals in commerce and, therefore, may be considered to be included in any PRTR system.

The Long and Short Chemical Lists are meant to serve as tools for consideration in the development of new PRTRs and enhancement of existing PRTRs, such that new and updated PRTRs can be designed to collect data comparable to the scope of and information collected by existing PRTR systems.

The outlines methods used and results from the comparison of chemical coverage across PRTRs and the development of the Long and Short Chemical Lists.

[1] Australia's NPI (National Pollutant Inventory), Canada's NPRI (National Pollutant Release Inventory), EU's E-PRTR (European Pollutant Release and Transfer Register), Japan's PRTR (Pollutant Release and Transfer Register) and US's TRI (Toxics Release Inventory)

[2] Chemicals in the Kiev Protocol were added to the Long Chemical List when this document was revised in *[date to be confirmed]*. The UNECE Kiev Protocol on Pollutant Release and Transfer Registers is the first legally binding international instrument on pollutant release and transfer registers. Its objective is "to enhance public access to information through the establishment of coherent, nationwide pollutant release and transfer registers (PRTRs)." The Protocol became international law binding its Parties on 8 October 2009. For more information go to *www.unece.org/env/pp/prtr.html.*

2. CONSIDERED PRTR PROGRAMS

The following PRTR programs were considered for a proposal for a harmonised list of pollutants:

- Australia's National Pollutant Inventory (NPI);
- Canada's National Pollutant Release Inventory (NPRI);
- The European Pollutant Release and Transfer Register (E-PRTR);
- Japan's Pollutant Release and Transfer Register (PRTR); and
- The U.S.'s Toxics Release Inventory (TRI) Program.

Chemicals recommended in the UNECE Kiev Protocol on PRTRs were also considered for the harmonised list.

The substance lists and reporting thresholds for each considered PRTR programs are described in the following sections.

Note that, in some countries, complementary mechanisms are used to track and report on pollutants and substances of concern (e.g. Persistent Organic Pollutants (POPs), Greenhouse Gases (GHGs)). The existence of separate systems for tracking certain pollutants may account for some differences in the chemicals covered by each PRTR.

2.1 Australian National Pollutant Inventory (NPI)

The National Pollutant Inventory (NPI) is a public Internet database of air, land and water emissions of 93 substances and transfers of NPI substances in waste, from industrial facilities; and emissions of diffuse sources. The objectives of the NPI are to (Australian Government, 2012):

- Help industry and government with environmental planning and management;
- Give the community up-to-date information about substance emissions and transfers from industrial facilities; and
- Promote waste minimization, cleaner production, and energy and resource efficiency.

Each year Australian industrial facilities who trip defined thresholds for the 93 NPI substances, must estimate and report their emissions and transfers of NPI substances in waste, to their state or territory environment agency. The state and territory environment agencies review all NPI reports for completeness and forward the data to the Australian Government (Australian Government, 2012). The data is then displayed on the NPI website (Australian Government, 2013a).

In the development of the proposal for a harmonised list of pollutants, the 93 NPI substances were used. These substances are included in the Harmonised List of Pollutants (Long Chemical List) in Annex 2 of this report.

The NPI has six different threshold categories with each of the 93 NPI substances listed in one or more of these categories (Table 3).

Table 3. National Pollutant Inventory (NPI) Threshold Categories

Category	Threshold Category Descriptions
1	**Based on Substance Usage** Category 1 contains a broad range of substances that are typically used for production. Most of the NPI substances fall into this category. The threshold for this category is the 'use' of 10 tons or more per year of a Category 1 substance. For NPI purposes 'use' is defined as the handling, manufacture, import, processing, coincidental production, or other use of a substance.
1a	**Based on Substance Usage** Category 1a is the use of 25 tons or more per year of Total VOC. For the purpose of NPI reporting, Total VOC are defined as: any chemical compound based on carbon chains or rings with a vapour pressure greater than 0.01 kPa at 293.15 K (i.e. 20 ºC), that participate in atmospheric photochemical reactions.
1b	**Based on Substance Usage** Category 1b contains only mercury and compounds. Due to the high toxicity of mercury and exposure potential, it has a lower threshold than Category 1 substances. The threshold for mercury and compounds is the use of 5 kg or more in the reporting year.
2a	**Based on Fuel Combusted** This category contains a group of substances that are common products of combustion or other thermal processes. The NPI reporting thresholds for this category are: - burning of 400 tons or more of fuel and/or waste in the reporting year, or - burning of 1 ton or more of fuel and/or waste in an hour at any time during the reporting year.
2b	**Based on Fuel Combusted** This category also contains substances that are common products of combustion or other thermal processes and includes all Category 2a substances. It also includes metals and compounds emitted when fuels (especially coal and oil) are burnt. The NPI thresholds for this category of substances are: - burning 2'000 tons and/or more of fuel or waste in the reporting year - consuming 60'000 megawatt hours or more of electrical energy for other than lighting or motive purposes in the reporting year, or - having maximum potential power consumption of 20 megawatts or more for other than lighting or motive purposes in the reporting year.
3	**Based on Substance Usage, Including Transfers** The threshold for Category 3 is based on the actual amount of Total Nitrogen and/or Total Phosphorus: - emitted to water (excluding groundwater); - transferred to a mandatory reporting transfer destination; or - emitted to water and transferred to a mandatory reporting transfer destination. Emissions and transfers to mandatory destinations of both Total Nitrogen and Total Phosphorus have to be reported, if any of the above are at, or above: - 15 tons per year for Total Nitrogen, and/or - 3 tons per year for Total Phosphorus.

Source:
Australian Government. Department of Sustainability, Environment, Water, Population and Communities (2012), *National Pollutant Inventory Guide, Version 5.3,* Australian Government, Canberra, *www.npi.gov.au/sites/www.npi.gov.au/files/resources/2e4b4a22-ae4f-4254-55a2-e0098b016897/files/npiguide.pdf*.

With respect to POPs according to the Stockholm Convention, the Australian Government has developed a National Implementation Plan (NIP), which outlines the actions that Australia has taken to date in reducing the presence of POPs; and will take in the future to meet its obligations under the Convention (Australian Government, 2011a). The NIP also sets out the roles and responsibilities of the Australian government and ministerial councils in the management of chemicals in Australia.

With respect to GHGs according to the United Nations Framework Convention on Climate Change (UNFCCC), greenhouse gas emissions are reported to the National Greenhouse Gas Inventory, which provides estimates of Australian greenhouse gas emissions based on the latest available data and the accounting rules that apply for the Kyoto Protocol (Australian Government, 2013b).

2.2 Canadian National Pollutant Release Inventory (NPRI)

The National Pollutant Release Inventory (NPRI) is Canada's legislated, publicly accessible inventory of pollutant releases, disposals and recycling. Sections 46–50 of the *Canadian Environmental Protection Act, 1999* (CEPA 1999) contain information-gathering provisions that allow the Minister of the Environment to require reporting of information on substances. The provisions also require the Minister to establish and publish a national inventory of releases and transfers of pollutants.

These provisions under CEPA 1999 form the primary legislative basis for the NPRI. The NPRI reporting requirements are published annually in the *Canada Gazette* (Environment Canada, 2013a).

NPRI information is a major starting point for identifying and monitoring sources of pollution in Canada, and in developing indicators for the quality of air, land and water. The NPRI helps determine if regulatory or other action is necessary to ensure reductions, and if so, the form that action should take. The NPRI provides Canadians with annual information on industrial, institutional, commercial and other releases and transfers in their communities (Environment Canada, 2012a). The NPRI is made accessible on the Internet (Environment Canada, 2013b).

In the development of the proposal for a harmonised list of pollutants, the substance list from 2010 was used (Government of Canada, 2010). These substances are included in the Harmonised List of Pollutants (Long Chemical List) in Annex 2 of this report.

For 2010, 346 substances or substance groups were listed on the (NPRI) grouped into five different parts (see Table 4).

Table 4. Parts of National Pollutant Release Inventory (NPRI) Substance List 2010

Part	Substances
1	Lists 231 substances and groups of substances and is divided into Groups 1 through 4, based on thresholds and information to be reported
2	Lists 29 individual polycyclic aromatic hydrocarbons (PAHs)
3	Lists 7 dioxins, 10 furans and hexachlorobenzene (HCB)
4	Lists 7 criteria air contaminants (CACs)
5	Lists 75 selected volatile organic compounds (VOCs) and groups of VOCs with additional reporting requirements (speciated VOCs)

Source:
Environment Canada (2012a), *Guide for Reporting to the National Pollutant Release Inventory (NPRI) 2012 and 2013: Canadian Environmental Protection Act, 1999 (CEPA 1999),* Environment Canada, Gatineau, *www.ec.gc.ca/inrp-npri/AFC98B81-A734-4E91-BD16-C5998F0DDE6B/2012-2013_NPRI_Guide.pdf.*

Due to certain substances being listed within Parts 1-4 as well as in Part 5, there are more than 346 substance entries ((Government of Canada, 2010), Table 4). The Threshold Category Descriptions for the different parts of the inventory are summarized in Table 5.

Table 5. Threshold Category Descriptions

Part	Threshold Category Descriptions
1A	A report is required for one or more substances if they were manufactured, processed or otherwise used (MPO) at a facility at a concentration ≥1% by weight (except for by-products and mine tailings) and in a quantity of 10 tons or more, and employees worked 20'000 hours or more at a facility.
1B	A report is required for substances if they were manufactured, processed or otherwise used at a facility in quantities equal to or exceeding quantity and concentration thresholds, and employees worked 20'000 hours or more at a facility. The concentration threshold is not applicable for by-products or tailings/waste rock.
2	A report is required for substances if polycyclic aromatic hydrocarbons (PAHs) were incidentally manufactured or present in mine tailings, and released, disposed or transferred from a facility in a combined quantity of 50 kilograms or more, and employees worked 20'000 hours or more at a facility. Wood preservation facilities using creosote must report regardless of the reporting threshold for PAHs and regardless of the number of hours worked by employees.
3	A report is required for substances if a facility was engaged in specific activities.
4	All facilities are required to consider Criteria Air Contaminants (CACs) released from stationary combustion equipment regardless of the number of employees at the facility. Additionally, facilities with greater than 20'000 employee hours must also consider all other sources of CACs at the facility.
5	A report is required for any of the 75 listed Volatile Organic Compounds (VOCs) (including individual substances, isomer groups and other groups and mixtures) if they were released to air in a quantity of 1 ton or greater and the 10 tons air release threshold for VOCs (under Part 4) was met.

Source:
Environment Canada (2012a), *Guide for Reporting to the National Pollutant Release Inventory (NPRI) 2012 and 2013: Canadian Environmental Protection Act, 1999 (CEPA 1999),* Environment Canada, Gatineau, *www.ec.gc.ca/inrp-npri/AFC98B81-A734-4E91-BD16-C5998F0DDE6B/2012-2013_NPRI_Guide.pdf.*

With respect to POPs, the Government of Canada is leading the way in emission reductions on the domestic front. Under the Toxic Substances Management Policy (TSMP), toxic substances that are determined to be persistent, bioaccumulative and resulting primarily from human activity are known as Track 1 substances, and targeted for virtual elimination from the environment. The twelve substances subject to the draft POPs Convention are being managed under the TSMP (Environment Canada, 2000).

Greenhouse gas emissions are reported to Canada's Greenhouse Gas Emissions Reporting Program (GHGRP), a complementary program to the NPRI (Environment Canada, 2013c).

2.3 European Pollutant Release and Transfer Register (E-PRTR)

The European Pollutant Release and Transfer Register (E-PRTR) is the new Europe-wide register that provides easily accessible key environmental data from industrial facilities in European Union Member States (EU27) and in Iceland, Liechtenstein, Norway, Serbia and Switzerland (EEA, 2013).

The EU27 is composed of the following 27 sovereign Member States: Austria, Belgium, Bulgaria, Cyprus[3, 4], the Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Ireland,

[3] Footnote by Turkey
The information in this document with reference to « Cyprus » relates to the southern part of the Island. There is no single authority representing both Turkish and Greek Cypriot people on the Island. Turkey recognizes the Turkish Republic of Northern Cyprus (TRNC). Until a lasting and equitable solution is

Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, and the United Kingdom.

The E-PRTR system is a representation of harmonised requirements for a total of 32 countries, among them 24 OECD member states.

Regulation (EC) No 166/2006 of the European Parliament and of the Council (European Commission, 2006a) concerning the establishment of a European Pollutant Release and Transfer Register and amending Council Directives 91/689/EEC and 96/61/EC"1 (the 'E-PRTR Regulation') was adopted on 18th January 2006. The E-PRTR Regulation aims to enhance public access to environmental information through the establishment of a coherent and integrated E-PRTR, thereby finally also contributing to the prevention and reduction of pollution, delivering data for policy makers and facilitating public participation in environmental decision making. The Regulation establishes an integrated pollutant release and transfer register at Community level in the form of a publicly accessible electronic database and lays down rules for its functioning, in order to implement the UN-ECE Protocol on Pollutant Release and Transfer Registers and facilitate public participation in environmental decision making, as well as contributing to the prevention and reduction of pollution of the environment (European Commission, 2006a).

Annex II of the E-PRTR Regulation lists the 91 pollutants that are relevant for reporting under the E-PRTR. The pollutants are specified by a consecutive number, the CAS number, where available, and the name of the pollutant (European Commission, 2006a). These pollutants are included in the Harmonised List of Pollutants (Long Chemical List) in Annex 2 of this report.

The register currently contains annual data reported by some 65 economic activities within the following 9 industrial sectors (EEA, 2013):

- Energy;
- Production and processing of metals;
- Mineral industry;
- Chemical industry;
- Waste and waste water management;
- Paper and wood production and processing;
- Intensive livestock production and aquaculture;
- Animal and vegetable products from the food and beverage sector; and
- Other activities.

found within the context of the United Nations, Turkey shall preserve its position concerning the "Cyprus issue".

[4] Footnote by all the European Union Member States of the OECD and the European Union

The Republic of Cyprus is recognised by all members of the United Nations with the exception of Turkey. The information in this document relates to the area under the effective control of the Government of the Republic of Cyprus.

Data is provided in the register for 91 pollutants falling under the following 7 groups (EEA, 2013):

- Greenhouse gases;
- Other gases;
- Heavy metals;
- Pesticides;
- Chlorinated organic substances;
- Other organic substances; and
- Inorganic substances.

A facility has to report data under E-PRTR if it fulfils the following criteria (European Commission, 2006a):

- The facility falls under at least one of the 65 E-PRTR economic activities listed in Annex I of the E-PRTR Regulation and exceeds at least one of the E-PRTR capacity thresholds; and
- The facility transfers waste off-site which exceed specific thresholds set out in Article 5 of the Regulation; or
- The facility releases pollutants which exceed specific thresholds specified for each media - air, water and land - in Annex II of the E-PRTR Regulation.

The data to be reported annually by each facility for which the applicable thresholds are exceeded are the following (European Commission, 2006a):

- Releases to air, water and land of any of the 91 E-PRTR pollutants.
- Off-site transfers of any of the 91 E-PRTR pollutants in waste water destined for waste-water treatment outside the facility.
- Off-site transfers of waste (reported as tonnes per year) for recovery or disposal. For transboundary movements of hazardous waste outside the reporting country, details of the waste receivers have to be provided.
- The reported releases include any introduction of any of the listed pollutants into the environment as a result of any human activity, whether deliberate, accidental, routine or non-routine, at the site of the facility.

The first 12 POPs listed in annexes to the Stockholm Convention on Persistent Organic Pollutants (UNEP, 2010) were aldrin, chlordane, dieldrin, endrin, heptachlor, hexachlorobenzene (HCB), mirex, toxaphene, polychlorinated biphenyls (PCB), DDT, dioxins and furans. These substances are included in the E-PRTR. Some of the new POPs are also already included. The inclusion of the remaining new POPs is currently being discussed (European Commission, personal communication).

The UNFCCC GHGs are also included in the E-PRTR.

2.4 Japanese Pollutant Release and Transfer Register (PRTR)

The characteristics of the Japanese PRTR system is to promote voluntary improvement of the management of chemical substances by business operators and to prevent any impediments to the preservation of the environment by taking measures for the confirmation of release amounts, etc. of specific chemical substances in the environment by business operators. The PRTR information plaza provides PRTR-related information, from an overview of the PRTR system to the results of data collected (Government of Japan, n.d.a).

The PRTR is a system that (i) requires businesses handling chemical substances potentially hazardous to the environment to estimate the amounts of chemical substances released and transferred in waste, and to report the data to their local governments, and (ii) the national government then compiles data submitted and makes the results public. The PRTR aims to establish a common background for risk communication among the government, the business operators and the public by providing data about releases of chemical substances to the environment. These data also help the business operators to manage their releases. In consequence, it can contribute to the reduction of environmental risks from chemical substances (Government of Japan, n.d.a).

Chemical substances that are subject to the PRTR are called Class I Designated Chemical Substances (Government of Japan, 2006). Class II Designated Chemical Substances are not subject to the PRTR system (Government of Japan, 2006).

Class I Designated Chemical Substances are those that come under any of the following conditions of hazard and are recognized as being persistent in the environment (Government of Japan, n.d.a).

- Chemical substances that may be hazardous to human health and/or may adversely affect the ecosystem,
- Chemical substances that may easily form hazardous chemical substances through a naturally-occurring chemical transformation,
- Chemical substances that deplete the ozone layer.

Class II Designated Chemical Substances are those that come under any of the following conditions of hazard and are expected to occur less frequently in the environment (Government of Japan, n.d.a).

- Chemical substances that may be hazardous to human health and/or may adversely affect the ecosystem,
- Chemical substances that may easily form hazardous chemical substances through naturally-occurring chemical transformation,
- Chemical substances that deplete the ozone layer.

The list of Class I substances was expanded from 354 to 462 substances in 2008 (applied for reporting in Japanese Fiscal Year 2010). The list of 462 Class I Designated substances are presented in Annex 1and is included in the Harmonised List of Pollutants (Long Chemical List) in Annex 2 of this report (Government of Japan, 2010).

The following reporting thresholds are applied (Government of Japan, n.d.a):

i. by business

- type of business: 24 industries
- size of business operators: business operators with 21 or more regular employees

ii. by facilities

- Annual amount handled, etc.: facilities with an annual amount of 1 ton or more (5 tons or more for the initial 2 years), but 0.5 tons or more for Specific Class 1 Designated Chemical Substances; or
- A business operator that has a facility meeting the specific requirements
  - Relevant facilities under the Mine Safety Law
  - Sewage disposal facilities
  - Domestic waste disposal facilities/Industrial waste disposal facilities
  - Specific facilities under the Act on Special Measures against Dioxins

In 1974, the Environment Agency, the former Ministry of the Environment (MOE), of Japan introduced a "System of Investigation of Chemical Substances in the Environment". Since then, a systematic environmental survey and monitoring of chemicals, including POPs, have been carried out (Government of Japan, 2005).

Japan has the program to mandate entities that emit considerably large amounts of greenhouse gases (GHGs) to account and report their emissions to the government annually. The government has publicized the reported data based on the Act on Promotion of Global Warming Countermeasures since 2006. In addition, the government develops a national greenhouse gas inventory and reports it every year to the UNFCCC secretariat under the UNFCCC and the Kyoto Protocol (NIES, 2013).

2.5 U.S. Toxics Release Inventory (TRI)

Reporting to the Toxics Release Inventory (TRI) is required by Section 313 of the Emergency Planning and Community Right to Know Act (EPCRA, or Title III of the Superfund Amendments and Reauthorization Act of 1986), Public Law 99 499. Reporting is required to provide the public with information on the releases and other waste management of EPCRA Section 313 chemicals in their communities and to provide EPA with release and other waste management information to assist the Agency in determining the need for future regulations. Facilities must report the quantities of routine and accidental releases, and releases resulting from catastrophic or other one-time events of EPCRA Section 313 chemicals, as well as the maximum amount of the EPCRA Section 313 chemical on-site during the calendar year and the amount contained in wastes managed on-site or transferred off-site (U.S. EPA, 2013a).

The current TRI toxic chemical list contains 593 individually listed chemicals and 30 chemical categories (including 3 delimited categories containing 62 chemicals ((U.S. EPA, 2013b)). If the members of the three delimited categories are counted as separate chemicals then the total number of chemicals and chemical categories is 682 (i.e. 593 + 27 + 62) (U.S. EPA 2013b).

On November 26, 2010, EPA finalized a rule (U.S. EPA 2013c) to provide communities with additional information about toxic chemicals being released to the environment. The rule, which will be

effective on November 30, 2010, adds 16 chemicals to the TRI list of reportable chemicals (U.S. EPA 2013c).

Section 313 of EPCRA requires that reports be filed by owners and operators of facilities that meet all of the following criteria (U.S. EPA, 2013a):

- The facility has 10 or more full-time employee equivalents (i.e., a total of 20,000 hours or greater; see 40 CFR 372.3); and

- The facility is included in a North American Industry Classification System (NAICS) code.

The facility manufactures (defined to include importing), processes, or otherwise uses any EPCRA Section 313 chemical in quantities greater than the established threshold in the course of a calendar year.

The term "manufacture" means to produce, prepare, compound, or import an EPCRA Section 313 chemical. The term "manufacture" also includes coincidental production of an EPCRA Section 313 chemical (e.g., as a by-product or impurity) as a result of the manufacture, processing, otherwise use or disposal of another chemical or mixture of chemicals. In the case of coincidental production of an impurity (i.e., an EPCRA Section 313 chemical that remains in the product that is distributed in commerce), the *de minimis* exemption as discussed below applies (U.S. EPA, 2013a).

The term "process" means the preparation of a listed EPCRA Section 313 chemical, after its manufacture, for distribution in commerce. Processing is usually the incorporation of an EPCRA Section 313 chemical into a product (U.S. EPA, 2013a).

The term "otherwise use" means any use of an EPCRA Section 313 chemical, including an EPCRA Section 313 chemical contained in a mixture or other trade name product or waste, that is not covered by the terms manufacture or process (U.S. EPA, 2013a).

EPCRA Section 313 reporting is required if threshold quantities are exceeded. Separate thresholds apply to the amount of the EPCRA Section 313 chemical that is manufactured, processed or otherwise used (U.S. EPA, 2013a):

- A report has to be submitted for any EPCRA Section 313 chemical that is not listed as a PBT chemical and which is manufactured or processed at a facility in excess of 25 000 pounds per toxic chemical or category over the calendar year.

- A report has to be submitted for any EPCRA Section 313 chemical which is not listed as a PBT chemical and that is otherwise used at a facility in excess of 10 000 pounds per toxic chemical or category over the calendar year.

- A report has to be submitted for any EPCRA Section 313 chemical that is listed as a PBT chemical and which is manufactured, processed or otherwise used at a facility above the designated threshold (see Table 4) for that chemical.

All releases and other waste management quantities greater than 0.1 pounds of a PBT chemical (except the dioxin and dioxin-like compounds chemical category) should be reported. For the dioxin and dioxin-like compounds chemical category, which has a reporting threshold of 0.1 g, facilities need only report all release and other waste management quantities greater than 100 µg (U.S. EPA, 2013a).

The *de minimis* exemption allows facilities to disregard certain minimal concentrations of non-PBT chemicals in mixtures or other trade name products when making threshold determinations and release and other waste management calculations. The *de minimis* exemption does not apply to the manufacture of an EPCRA Section 313 chemical except if that EPCRA Section 313 chemical is manufactured as an impurity and remains in the product distributed in commerce, or if the EPCRA Section 313 chemical is imported below the appropriate *de minimis* level. The *de minimis* exemption does not apply to a by-product manufactured coincidentally as a result of manufacturing, processing, otherwise use, or any waste management activities. The *de minimis* exemption does not apply to any PBT chemical (except lead when it is contained in stainless steel, brass or bronze alloy) or PBT chemical category as presented in Table 6 (U.S. EPA, 2013a).

Table 6. Reporting threshold for PBT chemicals under the Toxics Release Inventory (TRI) Program

Chemical or chemical category name	CAS number or chemical category code	Threshold (pounds, unless noted otherwise)
Aldrin	309-00-2	100
Benzo[g,h,i]perylene	191-24-2	10
Chlordane	57-74-9	10
Dioxin and dioxin-like compounds category (manufacturing; and the processing or otherwise use of dioxin and dioxin-like compounds category if the dioxin and dioxin-like compounds are present as contaminants in a chemical and if they were created during the manufacturing of that chemical)	N150	0.1 gram
Heptachlor	76-44-8	10
Hexachlorobenzene	118-74-1	10
Isodrin	465-73-6	10
Lead (this lower threshold does not apply to lead when it is contained in stainless steel, brass or bronze alloy)	7439-92-1	100
Lead compounds	N420	100
Mercury	7439-97-6	10
Mercury compounds	N458	10
Methoxychlor	72-43-5	100
Octachlorostyrene	29082-74-4	10
Pendimethalin	40487-42-1	100
Pentachlorobenzene	608-93-5	10
Polychlorinated biphenyls (PCBs)	1336-36-3	10
Polycyclic aromatic compounds category (PACs)	N590	100
Tetrabromobisphenol A	79-94-7	100
Toxaphene	8001-35-2	10
Trifluralin	1582-09-8	100

Note:
The respective de minimis percent limits for the non-PBT chemicals are summarized.
Source:
U.S. EPA (2013a), *Toxic Chemical Release Inventory Reporting Forms and Instructions Revised 2012 Version,* EPA 260-R-13-001, U.S. EPA, Washington, *www.epa.gov/tri/reporting_materials/rfi/ry2012rfi.pdf.*

Some of the first 12 POPs listed in annexes to the Stockholm Convention on Persistent Organic Pollutants (UNEP, 2010) are included in the TRI. The United States has taken strong domestic action to reduce emissions of POPs. For example, none of the original POPs pesticides listed in the Stockholm Convention is registered for sale and distribution in the United States today and in 1978, Congress prohibited the manufacture of PCBs and severely restricted the use of remaining PCB stocks. In addition, since 1987, EPA and the states have effectively reduced environmental releases of dioxins and furans to

land, air, and water from U.S. sources. These regulatory actions, along with voluntary efforts by U.S. industry, resulted in a greater than 85% decline in total dioxin and furan releases after 1987 from known industrial sources (U.S. EPA, 2012).

With respect to GHGs, the U.S. EPA's TRI Program does not collect release or other waste management quantities of GHGs. However, the U.S. EPA's Office of Air and Radiation (OAR) recently implemented regulations which require reporting of GHG data and other relevant information from large sources and suppliers in the United States. These data and information are made available to the public (U.S. EPA 2013d).

3. PREPARATION OF A HARMONISED LIST OF POLLUTANTS (LONG CHEMICAL LIST)

3.1 Preliminary harmonised list of pollutants

During the OECD Task Force Meeting of 19 - 21 May 2010, preliminary results with respect to the proposal for a harmonised list of chemicals were presented (Boyce, 2010). Using the chemical substance lists from five different PRTRs - Australia, Canada, European Union, Japan and the U.S. - a first integrated list with 1 184 uniquely named chemicals was compiled. This Long Chemical List included 821 chemicals with unique CAS numbers and 41 chemicals for which CAS numbers could not be identified. Of the chemicals with CAS numbers, 13 were found to be covered by five of the PRTRs and 21 were covered by four of the PRTRs.

3.2 Review of the harmonised list of pollutants

Several challenges were encountered when comparing chemical coverage among PRTRs (Table 7; Section 6).

Table 7: Challenges Encountered when of Comparing Chemical Coverage among PRTRs

Challenge	Example
CAS numbers with different formats in different PRTR systems	• 000079-06-1 Acrylamide • 79-06-1 Acrylamide
A single CAS number representing different chemicals in different PRTR systems	• 79-10-7 Acrylic acid • 79-10-7 Acrylic acid (and its salts)
No CAS number, but nearly identical chemical name in different PRTR systems	• Cadmium & compounds • Cadmium (and its compounds)
Similar chemical names representing different chemicals in different PRTR systems	• Cyanides (as total CN) • Inorganic cyanide compounds (except complex salts and cyanates)

Source:
Boyce, B. (2010), *Comparability of Pollutants in Global PRTR,* paper presented at OECD Task Force Meeting, Paris, 19 - 21 May.

To address these challenges, a detailed review of covered chemicals was performed. The harmonised list was discussed with the five different PRTRs prior to finalization. The entries on the list were checked and many suggestions for corrections and improvements were made (see Section 6). Chemicals deemed to be covered consistently across PRTRs were combined. Chemical records found to represent different chemicals across PRTRs were separated. If chemical coverage was similar, but not identical, across PRTRs, chemical records were combined and differences among PRTRs were noted.

Moreover, inputs for further entries to be implemented in the 2011 versions of the PRTR system (Japan, the U.S.) or suggestions for future entries (E-PRTR) were made. For example, nine new POPs were added to the Long Chemical List.

The Long Chemical List was then further reviewed through comparison to resources such as: environmental regulations and statutes, published guidance documents for PRTR filers, and other

published and unpublished PRTR specific materials. Any remaining oddities identified in the Long and Short Chemical Lists (e.g. duplicate CAS numbers) were resolved, for example:

- Incorrect CAS numbers were revised,
- Duplicate entries (same chemical) were consolidated,
- A record was added to the Long Chemical List for "Chlorotrifluoroethane; HCFC-133," covered by Japan's PRTR; and
- Unique record identifiers (IDs) were assigned to pollutants if a CAS number is not available or is inappropriate (e.g. halons). These IDs are stored in the CAS ID field and are now formatted consistently; all use "LCL-#" (referring to Long Chemical List).

3.3 Categorization of pollutants

Chemicals on the Long Chemical List were placed into the thirteen classes based on their chemical properties, potential environmental impacts, and industrial applications (Table 8). The two largest classes, other organic substances and active substances of plant protection products or biocidal products, contained over half (617) of the chemicals on the Long Chemical List.

Table 8: Distribution of Long List Chemicals across Classes

Class	Chemicals	
	Count	Percent
1. Persistent Organic Pollutants (POPs)	42	4%
2. Metals*	76	7%
3. Inorganic substances	26	2%
4. Chlorinated and brominated organic substances	95	9%
5. Ozone depleting substances	42	4%
6. Greenhouse gases (GHGs)	6	1%
7. Other gases	27	2%
8. Polycyclic aromatic hydrocarbons (PAHs)	40	4%
9. Other organic substances	356	33%
10. Active substances of plant protection products or biocidal products	261	24%
11. Colors and dyes	20	2%
12. Active pharmaceutical ingredient (API)	8	1%
13. Non-grouped organic substances	87	8%
Total	**1 086**	**100%**

*Note that the term 'heavy metals' used in the E-PRTR system is replaced with the term 'metals' to comply with the IUPAC interpretation.

Chemicals within each of these thirteen classes were then subdivided into pollutant groups with similar characteristics. For example, the metal class was subdivided into 27 pollutant groups including the copper and its compounds. As a group, copper and its compounds contain the following chemicals:

- Copper;
- Copper Compounds;

- Copper and its compounds / Copper and compounds (as Cu) / (Japanese PRTR: copper salts (water-soluble, except complex salts)); and

- Bis(8-quinolinolato)copper (USA: included as "copper compound").

The full list of chemicals within each class and group is included in the Long Chemical List in Annex 2.

3.4 Revised harmonised list of pollutants

Following review, the Long Chemical List was revised to include 1 086 unique entries (for the full list, see Annex 2). About 38% (414) chemicals were covered by two or more PRTRs (Table 9). Of the remaining 672 chemicals, 663 were covered by one PRTR system and nine were covered by no PRTR systems. The nine chemicals not covered by any PRTR systems were included in the Long Chemical List due to categorization of pollutants mentioned above. For example, *o*-chloroaniline is not covered by any of the five PRTRs; it is included to complete the chloroanilines category.

Table 9: PRTR Coverage of Reporting Sectors in the Long Reporting Sector List

Coverage	Chemicals	
	Count	Per cent
Chemicals Covered by 0 PRTRs	9	1%
Chemicals Covered by 1 PRTR	663	61%
Chemicals Covered by 2 PRTRs	254	23%
Chemicals Covered by 3 PRTRs	103	9%
Chemicals Covered by 4 PRTRs	38	3%
Chemicals Covered by 5 PRTRs	19	2%
All Chemicals (Total)	**1 086**	**100%**

Notes:
1. The count of chemicals is cumulative. That is, chemicals covered by more than four PRTRs total 57 (= 38 covered by 4 PRTRs + 19 covered by 5 PRTRs).
2. A chemical is considered to be covered by a PRTR if it is explicitly covered under a PRTR, a substance included as a compound entry in the respective PRTR, or a substances regulated in complementary programs to the respective PRTR.

3.5 Integration of chemicals covered under the Kiev Protocol

The Kiev Protocol on Pollutant Release and Transfer Registers is the first legally binding international instrument on pollutant release and transfer registers. Its objective is "to enhance public access to information through the establishment of coherent, nationwide pollutant release and transfer registers (PRTRs)." The Protocol became international law binding its Parties on 8 October 2009 (UNECE 2013).

To compare chemical coverage between PRTRs meeting Kiev Protocol specifications and the 5 PRTRs reviewed, chemicals covered under the Kiev Protocol were noted in the Long Chemical List. A chemical was marked as covered by the Kiev Protocol if its name and CAS number (as available) listed in the Long Chemical List matched the name and CAS number for a chemical listed in Annex II to the Kiev Protocol (UNECE, 2008).

The EU's E-PRTR meets the requirements of the Kiev Protocol, so all chemicals covered by the Kiev Protocol are also covered by the E-PRTR. Therefore, no new chemicals were added to the Long Chemical List; however, eighty-six chemicals were marked as covered under the Kiev Protocol. These chemicals correspond to all but five chemicals covered by the EU's E-PRTR.

Table 10. Number of Long List Chemicals Covered by the Kiev Protocol

Class	Count of Chemicals
1. Persistent Organic Pollutants (POPs)	14
2. Metals	8
3. Inorganic substances	8
4. Chlorinated and brominated organic substances	15
5. Ozone depleting substances	3
6. Greenhouse gases (GHGs)	6
7. Other gases	7
8. Polycyclic aromatic hydrocarbons (PAHs)	3
9. Other organic substances	12
10. Active substances of plant protection products or biocidal products	10
11. Colors and dyes	-
12. Active pharmaceutical ingredient (API)	-
13. Non-grouped organic substances	-
Total	86

4. PREPARATION OF A COMMON LIST OF POLLUTANTS (SHORT CHEMICAL LIST)

Based on the harmonised list of pollutants (Long Chemical List) as presented in Annex 2 of this report, a common list of pollutants (Short Chemical List) was developed (see Annex 3 of this report). The Short Chemical List is meant to be comprised of chemicals that most countries would agree represent the most toxic or environmentally relevant chemicals in commerce and, therefore, may be considered to be included in any PRTR system.

Three options were considered for selecting chemicals from the Long Chemical List to be included in the Short Chemical List (Table 11):

Option 1: 94 chemicals, including:

- Chemicals covered by four or more of the five PRTRs,
- All Persistent Organic Pollutants (POPs), and
- All Greenhouse Gases (GHGs).

Option 2: 177 chemicals, including:

- Chemicals covered by three or more of the five PRTRs,
- All Persistent Organic Pollutants (POPs), and
- All Greenhouse Gases (GHGs).

Option 3: 126 chemicals, including:

- Chemicals covered by four or more of the five PRTRs,
- All Persistent Organic Pollutants (POPs), and
- All Greenhouse Gases (GHGs), and
- All Chemicals covered under the Kiev Protocol.

Pollutants covered by multiple PRTR systems were considered for inclusion in the Short Chemical List due to the comparability of coverage for these chemicals across existing PRTRs. Persistent Organic Pollutants (POPs), Greenhouse Gases (GHGs), and chemicals covered under the Kiev Protocol were

considered for inclusion in the Short Chemical List due to their environmental relevance and inclusion in international environmental agreements.[5]

Table 11. Total Number of Pollutants Present on the Short Chemical List

Class	Number of Entries		
	Chemicals in at least 4 PRTR Systems + POPs + GHGs (Option 1)	**Chemicals in at least 3 PRTR Systems + POPs + GHGs (Option 2)**	**Chemicals in at least 4 PRTR Systems + POPs + GHGs + Kiev Protocol (Option 3)**
1. Persistent Organic Pollutants (POPs)	24	24	24
2. Metals	13	16	13
3. Inorganic substances	3	7	8
4. Chlorinated and brominated organic substances	11	22	17
5. Ozone depleting substances	3	3	3
6. Greenhouse gases (GHGs)	6	6	6
7. Other gases	3	10	7
8. Polycyclic aromatic hydrocarbons (PAHs)	2	8	3
9. Other organic substances	29	76	35
10. Active substances of plant protection products or biocidal products	-	5	10
11. Colors and dyes	-	-	-
12. Active pharmaceutical ingredient (API)	-	-	-
13. Non-grouped organic substances	-	-	-
Total	**94**	**177**	**126**

Following review by the Task Force on PRTRs, the Short Chemical List was finalized as the 126 chemicals selected under Option 3. Chemicals included on the Short Chemical List represent those chemicals that are covered by at least four of the five PRTRs or that are covered under international environmental agreements related to emission inventories and PRTRs (e.g. POPs, GHGs, and Kiev Protocol).

All chemicals were individually listed on the Short Chemical List, except the following:

- Certain POPs;
- Metals (only group categories listed);
- Inorganic cyanide compounds (as CN);
- Fluorides (as total F);
- Phosphorus (total);
- PM10 - Particulate matter;

[5] POPs are only partially or even not listed in some of the PRTR systems assessed during this study. However, they are subject to complementary programs. GHGs are only listed in the E-PRTR; but they are also subject to complementary programs in other countries.

- Chlorides (as total Cl);
- Total nitrogen;
- Brominated diphenylethers (PBDE);
- Halogenated organic compounds (as AOX);
- HCFCs, CFCs and Halons;
- HFCs and PFCs;
- Chlorine and inorganic compounds (as HCl);
- Fluorine and inorganic compounds (as HF);
- Polycyclic aromatic hydrocarbons (PAHs);
- Organotin compounds (as total Sn);
- Tributyltin and compounds;
- Triphenyltin and compounds;
- Phenols (as total C);
- Nonylphenol and Nonylphenol ethoxylates (NP/NPEs);
- Non-methane volatile organic compounds (NMVOC); and
- Total organic carbon (TOC).

The Short Chemical List is not meant to be guidance; the Short Chemical List should serve as a valuable tool for consideration in the development of new PRTRs and the enhancement of existing PRTRs.

5. ENHANCEMENT OF THE LONG AND SHORT CHEMICAL LISTS

The following tasks were conducted to enhance the Long and Short Chemical Lists that characterize chemical coverage across the five PRTR systems:[6]

1. **Addition of chemical-specific thresholds:** documenting reporting thresholds associated with each pollutant established under each PRTR system; and

2. **Addition of reporting data:** appending measures of how frequently each chemical is reported to each PRTR.

5.1 Addition of chemical-specific thresholds

Chemical-specific reporting thresholds define which chemicals must be reported by PRTR subject facilities. These thresholds vary across chemicals within a PRTR and across PRTRs for a given chemical (Table 12).

Chemical-specific thresholds were added to the Long Chemical List to inform the development of new PRTRs and the enhancement of existing PRTRs.[7] This information may be of value for setting thresholds and deciding what chemicals will be covered by a PRTR.

Chemical-specific reporting thresholds were identified through review of regulations and statutes, published guidance documents for PRTR filers, and other published and unpublished PRTR specific materials. These thresholds were then listed for each PRTR and chemical in the Long and Short Chemical Lists (see Annexes 2 and 3).

[6] These tasks were added to develop the second version of this document in *[date to be confirmed]*.

[7] Note that non-chemical specific regulations that limit the facilities that are required to report to PRTRs were identified, but not included in the Long Reporting Sector List. These regulations include:

- Exemptions based on type of facility (e.g. stationary, mobile),
- Sector-specific thresholds,
- Exemptions for equipment (e.g. structural components of a facility),
- Exemptions for items produced by the facility (e.g. articles),
- Activity exemptions (e.g. research and development within a production facility),
- Hazardous waste transfer thresholds, and
- Employee thresholds that apply to all chemicals within a PRTR.

Table 12. Chemical-specific Thresholds Employed by PRTRs

PRTR /Kiev Protocol	Chemical-Specific Thresholds
Australia – NPI	The thresholds that apply to a chemical vary by chemical category: • **Usage:** If the handling, manufacture, import, processing, coincidental production or other use of a Category 1, 1a, or 1b chemical exceeds the usage threshold, a covered facility must report the chemical. • **Fuel combusted:** If the amount of fuel and/or waste burnt during the reporting year exceeds the annual combustion threshold, or if the amount of fuel and/or waste burnt in any hour during the reporting year exceeds the hourly combustion threshold for Category 2a or 2b, then a covered facility must report all substances listed under the Category. • **Energy use:** If a covered facility uses electricity in excess of the energy use threshold for purposes other than lighting or motive purposes, it must report any emissions of all substances listed under Category 2b. • **Power rating:** If a covered facility has a power rating in excess of the power rating threshold for purposes other than lighting or motive purposes, it must report any emissions of all substances listed under Category 2b. • **Emissions/transfers:** If a covered facility emits or transfers at least one Category 3 chemical in excess of the emissions/transfers threshold for that chemical, the facility is required to report emission and transfers for all Category 3 chemicals. Emissions and transfers that count toward this threshold include the amount of the chemical emitted to water (excluding groundwater); transferred to a mandatory reporting transfer destination; and emitted to water and transferred to a mandatory reporting transfer destination.
Canada – NPRI	The thresholds that apply to a chemical vary by chemical category: • **Manufacture, process, or otherwise use:** If the quantity of a Part 1A or 1B chemical manufactured, processed, or otherwise used exceeds the threshold for that chemical, all releases, disposals, and transfers for recycling of that chemical must be reported. • **Concentration:** For Part 1A and 1B chemicals, quantities manufactured, processed, or otherwise used only need to be counted towards their thresholds if they exist in concentrations above their concentration thresholds. This threshold does not apply (chemical quantities must be counted toward the manufacture, process, or otherwise use thresholds regardless of concentration) for chemical quantities contained in tailings, contained in waste rock or that were incidentally manufactured as byproducts. • **Release, disposal, or transfer for recycling:** The threshold for Part 2 substances is based on the total quantity of Part 2 substances released, disposed of, or transferred for recycling as a result of incidental manufacture or from the generation of tailings. If a covered facility exceeds this threshold then all individual Part 2 substances must be reported. • **Activity:** Part 3 chemicals must be reported if a covered facility engages in one of a specified list of covered activities. For some of these activities, facilities must report regardless of the employee threshold (see Annex 4). • **Air release:** Part 4 chemicals must be reported if the quantity of that chemical released to air exceeds the air release threshold. Part 5 substances must be reported if both the quantity of that substance released to air exceeds the air release threshold and the sum of all Part 4 chemicals released to air exceeds 10 tons.

PRTR /Kiev Protocol	Chemical-Specific Thresholds
EU – E-PRTR	• **Air releases:** Covered facilities must report air releases for a chemical if the quantity of that chemical released to air exceeds its air release threshold. • **Water releases:** Covered facilities must report water releases for a chemical if the quantity of that chemical discharged exceeds its water release threshold. In addition, covered facilities must report transfers destined for waste-water treatment if the quantity of the chemical transferred for waste-water treatment exceeds its water release threshold. • **Land releases:** Covered facilities must report land releases for a chemical if the quantity of that chemical released to land exceeds its land release threshold. Note: Covered facilities must report waste transfers of hazardous waste if the amount of hazardous waste transferred off site exceeds 2 tons. In addition, covered facilities must report waste transfers of other waste if the amount of other waste transferred off site exceeds 2 000 tons. E-PRTR waste transfer thresholds are not included in the Long and Short Chemical Lists; these thresholds are not chemical-specific.
Kiev Protocol	The Kiev Protocol recommends that national-level PRTRs be designed such that the chemical reporting thresholds be based either on 1) quantities of the chemical released and transferred by media; or 2) quantities of the chemical manufactured, processed, or used. 1. For PRTRs with chemical reporting thresholds based on quantities of the chemical released and transferred by media, the following reporting thresholds are recommended: • **Air releases:** Covered facilities must report air releases for a chemical if the quantity of that chemical released to air exceeds its air release threshold. • **Water releases:** Covered facilities must report water releases for a chemical if the quantity of that chemical discharged exceeds its water release threshold. In addition, covered facilities must report transfers of a chemical destined for waste-water treatment if the quantity of the chemical transferred for waste-water treatment exceeds its water release threshold. • **Land releases:** Covered facilities must report land releases for a chemical if the quantity of that chemical released to land exceeds its land release threshold. • **Off-site transfers:** PRTRs may elect to use one of two options available for off-site waste transfers thresholds: o **Threshold for off-site transfers of pollutants:** Covered facilities must report off-site transfers for a chemical if the quantity of the chemical transferred off-site exceeds its off-site transfer threshold. This threshold is included in the Long and Short Chemical Lists in (Annexes 2 and 3). o **Thresholds for off-site transfers of hazardous waste and other waste:** Covered facilities must report waste transfers of hazardous waste if the amount of hazardous waste transferred off site exceeds 2 tons. In addition, covered facilities must report waste transfers of other waste if the amount of other waste transferred off site exceeds 2 000 tons. These thresholds are not included in the Long and Short Chemical Lists in (Annexes 2 and 3); they are not chemical-specific. 2. For PRTRs with chemical reporting thresholds based on quantities manufactured, processed, or used: • **Manufacture, process, or use:** Covered facilities must report all releases and transfers for a chemical if the quantity of the chemical manufactured, processed, or used exceeds the manufacture, process, or use threshold for the chemical.
Japan – PRTR	• **Usage:** Covered facilities must report all releases and transfers of a given chemical if the sum of the quantity manufactured, the quantity used and other quantities of that chemical exceeds the usage threshold. • **Concentration thresholds:** Chemicals in materials at levels below the concentration thresholds are not counted towards the usage threshold. Note: If a facility meets specific requirements (e.g., covered under the Mine Safety Law, sewage disposal facilities, domestic waste disposal facilities, industrial waste disposal facilities, specific facilities under the Act on Special Measures against Dioxins), then all covered chemicals must be reported regardless of their quantity or concentration.

PRTR /Kiev Protocol	Chemical-Specific Thresholds
US – TRI	• **Manufacture, process, or otherwise use thresholds:** Covered facilities must report a chemical if they manufacture the chemical in quantities above the manufacturing threshold for the chemical, process the chemical in quantities above the processing threshold for the chemical, or otherwise use the chemical in quantities above the otherwise use threshold for the chemical. • **Concentration Thresholds:** The *de minimis* exemption allows facilities to disregard certain minimal concentrations of chemicals in mixtures when making threshold determinations and release and other waste management calculations. If a non-PBT chemical in a mixture is below the appropriate *de minimis* level, all releases and other waste management activities associated with the chemical in that mixture are exempt from TRI reporting.

Sources:

Australian Government. Department of Sustainability, Environment, Water, Population and Communities (2013c), *National Pollutant Inventory: Substance list and thresholds, http://www.npi.gov.au/substances/substance-list-and-thresholds* accessed 21 October 2013.

Environment Canada (2013d). *National Pollutant Release Inventory (NPRI) Substance List, www.ec.gc.ca/inrp-npri/default.asp?lang=En&n=E2BFC2DB-1*accessed 21 October 2013.

European Commission (2006a), *Guidance Document for the Implementation of the European PRTR, http://prtr.ec.europa.eu/docs/EN_E-PRTR_fin.pdf.*

Government of Japan. Ministry of the Environment (2004), *Manual for PRTR Release Estimation Methods. www.env.go.jp/en/chemi/prtr/manual/* accessed 6 August 2012.

UNECE (United Nations Economic Commission for Europe) (2008), *Guidance on Implementation of the Protocol on Pollutant Release and Transfer Registers*, *www.unece.org/fileadmin/DAM/env/pp/prtr/guidance/PRTR_May_2008_for_CD.pdf* accessed 15 August 2012.

U.S. EPA (2013a), *Toxic Chemical Release Inventory Reporting Forms and Instructions Revised 2012 Version,* EPA 260-R-13-001, U.S. EPA, Washington, *www.epa.gov/tri/reporting_materials/rfi/ry2012rfi.pdf.*

In addition to the variation in types of thresholds across PRTRs and chemicals, the values at which thresholds were set vary considerably across PRTRs. For example, air release thresholds for chemicals on the long list vary between 0.001 kg and 100 000 000 kg across chemicals and PRTRs. Similarly, manufacture, process and use thresholds vary between 0.0001 and 25 000 kg across chemicals and PRTRs. It is interesting to note that reporting thresholds are consistently low across multiple PRTRs for a handful of chemicals. For example, mercury compounds have low manufacture, process, and use thresholds under Australia's NPI, Canada's NPRI, the Kiev Protocol, and the United State's TRI.

5.2 Addition of reporting data

To increase the analytical value of the Long and Short Chemical Lists, chemical coverage across PRTRs was augmented with information about actual reporting for each chemical. This information can be used to measure the prevalence of each chemical in the reviewed PRTRs. In addition, countries considering which chemicals to cover under a new PRTR might use this information to predict reporting volumes for chemicals. For example, a country might expect more reports for a chemical that is covered by 4 PRTR systems and has high reporting in each system than for a chemical that is covered by 5 PRTR systems and has low reporting in each system. However, the variability in industrial use of chemicals across countries should also be considered when predicting reporting for new PRTRs.

The number of facilities reporting the chemical for 2010 (2010/2011 for Australia NPI) was compiled for each chemical covered by each PRTR in the Long and Short Chemical Lists. Note that reported quantities of releases, transfers, and waste management were not considered; different chemicals have different impacts on environmental and human health, so a small release of a high toxicity chemical may be of more concern than a large release of a lower toxicity chemical.

To allow for comparison across PRTRs, the number of facilities reporting each chemical was converted into a reporting score. Within each PRTR, covered chemicals were assigned a score ranging from 0 to 3:

- **0 (not reported):** No facilities reported the chemical.
- **1 (low reporting):** The chemical was in the bottom quartile.
- **2 (medium reporting):** The chemical was above the bottom quartile and below the top decile.
- **3 (high reporting):** The chemical was in the top decile.

The number of facilities reporting each chemical ranged from 0 to 22 297 facilities across chemicals and PRTRs (Table 13). The distributions of facilities reporting across chemicals indicate that, in general, chemicals on the Short Chemical List were reported more frequently than the full set of chemicals on the Long Chemical List (Table 14). However, some chemicals with very high reporting under Australia's NPI and Canada's NPRI are absent from the Short Chemical List (e.g. particulate matter, nitrogen oxides, total volatile organic compounds, and carbon monoxide) and some chemicals in the Short Chemical List were not reported to any PRTR (e.g. mirex, alpha-hexachlorocyclohexane, and chlordecone).

Table 13. Distribution of Number of Reporters across Chemicals Covered by PRTRs

PRTR	Distribution of # Facilities Reporting a Chemical									
	Across Long Chemical List					Across Short Chemical List				
	Min.	1st Quartile	Median	3rd Quartile	Max.	Min.	1st Quartile	Median	3rd Quartile	Max.
Australia – NPI	0	15	143	687	3 084	0	8	130	687	1 223
Canada – NPRI	0	1	8	62	3 861	0	12	41	245	702
EU – E-PRTR	0	10	68	456	5 798	0	10	97	436	5 798
Japan – PRTR*	0	3	12	67	22 297	1	112	551	3 276	22 297
U.S. – TRI	0	0	3	23	3 917	0	46	124	654	3 778

Note:
* The upper end of the distributions for Japan's PRTR show considerably higher counts of facilities than the other PRTRs included in this table. This pattern appears to be driven by the fuel retail industry. For example, 15 050 of the 22 297 facilities that reported ethylbenzene to Japan's PRTR were in the fuel retail industry. This sector is not covered by the other four PRTRs.
Sources:

Australian Government: Department of Sustainability, Environment, Water, Population, and Communities. (n.d.), *National Pollutant Inventory Search by Form. www.npi.gov.au/npidata/action/load/advance-search* accessed 13 August 2012.

Environment Canada (2012b), *National Pollutant Release Inventory (NPRI) Downloadable Datasets: 2010 Microsoft Access Format (March 27, 2012 version)*, *www.ec.gc.ca/inrp-npri/default.asp?lang=en&n=0EC58C98-,* accessed 13 August 2012.

EEA (European Environmental Agency) (2012). *European Pollutant Release and Transfer Register (E-PRTR) - Microsoft Access database and text format: eprtr_v4.1_mdb.zip, www.eea.europa.eu/data-and-maps/data/member-states-reporting-art-7-under-the-european-pollutant-release-and-transfer-register-e-prtr-regulation-5* accessed 14 August 12.

Government of Japan: Ministry of the Environment, Environmental Health Department, Environmental Health and Safety Division (n.d.b), *PRTR Data Page: Compiled Data Page. www2.env.go.jp/chemi/prtr/prtrinfo/contents/e-table.jsp,* accessed 13 August 2012.

U.S. EPA (2011). *TRI.NET (December 12, 2011 version)*. *www.epa.gov/tri/tridotnet/index.html* accessed 13 August 12.

Table 14: Variation in Reporting Scores among Long and Short List Chemicals

Highest Reporting Score across All PRTRs	Long List Chemicals		Short List Chemicals	
	Count	Percent	Count	Percent
High Reporting	125	12%	41	44%
Medium Reporting	713	66%	39	41%
Low Reporting	64	6%	4	4%
Not Reported	184	17%	10	11%
Total	**1 086**	**100%**	**94**	**100%**

6. NOTES ON GROUPING OF POLLUTANTS

In the course of comparing chemicals coverage among PRTRs to create the Long and Short Chemical Lists, the following chemical definitions were found to vary considerably across PRTRs. These chemicals were discussed with the representatives of the PRTR systems and resolutions for harmonised entries are presented.

6.1 Polychlorinated dioxins and furans

The considered PRTR systems define polychlorinated dioxins and furans as follows:

- Australia: Polychlorinated dioxins and furans (TEQ)
- Canada: Canada recommends that polychlorinated dioxins and furans be reported in units of mass, (e.g. "grams") for each specific congener. This allows the flexibility to convert the congener quantity details in both I-TEQ and World Health Organization (WHO) TEQ as required.
- E-PRTR: The E-PRTR indicates polychlorinated dioxins and furans as TEQ. It is proposed by the European Commission to who is reporting as individual congeners to also report in TEQ.
- Japan: Based on the study by WHO, dioxins are defined to include PCDDs, PCDFs and co-planar PCBs in the Law Concerning Special Measures against Dioxins. The same definition is used in the Japanese PRTR system.
- The U.S.: Dioxin and Dioxin-Like Compounds (Manufacturing; and the processing or otherwise use of dioxin and dioxin-like compounds if the dioxin and dioxin-like compounds are present as contaminants in a chemical and if they were created during the manufacturing of that chemical). This category includes individual chemicals as listed in the United States Environmental Protection Agency (2013).

For the Short Chemical List (Annex 3), the term Polychlorinated dioxins and furans is used (expressed as WHO 2005 TEF)[8] (Berg *et al.*, 2006).

6.2 Metals

Metals are considered in the different PRTR systems as follows (for chromium and its compounds see Section 6.3):

[8] The development of environmental standards for human health concerns is mostly based on a toxic equivalency approach with 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD) as the reference compound. PCDD/PCDF congeners are divided into their respective homologue groups and to each group a toxicity factor relative to TCDD is assigned. These numerical factors could then be applied to transform various concentrations of polychlorinated dioxins and furans into equivalent concentrations of 2,3,7,8-TCDD.

- Australia: the amount emitted in relation to a substance listed as [metal] & compounds refers only to the amount of the metal emitted (for example, the amount of Lead & compounds emitted refers only to the amount of Lead emitted).

- Canada: Total of the pure element and the equivalent weight of the element contained in any compound, alloy or mixture.

- E-PRTR: All metals shall be reported as the total mass of the element in all chemical forms present in the release.

- Japan: [metal] and its compounds (i.e. all forms).

- The U.S.: metals are indicated as specific entries. Moreover, chemical categories are defined, e.g. Cadmium Compounds: Includes any unique chemical substance that contains cadmium as part of that chemical's infrastructure.

For the Short Chemical List (Annex 3), the term used for metals includes the metal name, the phrase "and compounds as," and symbol for the elemental metal. For example, "cadmium and compounds (as Cd)" is listed on the Short Chemical List. It includes cadmium and any unique chemical substance that contains cadmium as part of that chemical's infrastructure.

6.3 Chromium and its compounds

Chromium and its compounds are considered in the different PRTR systems as follows:

- Australia: Chromium(III) compounds and Chromium(VI) compounds are listed separately. The amount emitted in relation to a substance listed as [metal] & compounds refers only to the amount of the metal emitted.

- Canada: Canada recommends the following: Chromium(III) and Chromium(VI) compounds should be distinguished. Chromium(VI) is significantly more toxic at lower exposure rates than chromium species in lower oxidation states. A separate listing for hexavalent chromium was added to the NPRI for the 2002 reporting year with an alternate reporting threshold of 50 kg and 0.1% concentration.

- E-PRTR: The E-PRTR lists only Chromium and compounds (as Cr), whereas all metals shall be reported as the total mass of the element in all chemical forms present in the release. However, because of the different toxicity of Chromium(III) compounds and Chromium(VI) compounds the European Commission now proposes to add Chromium(VI) and compounds. But this has to be further discussed.

- Japan: As the toxicity of Chromium(III) and Chromium(VI) is quite different and both compounds are normally handled in a different way, Chromium(III) and Chromium(IV) are distinguished in the Japanese PRTR system.

- The U.S.: Different *de minimis* levels exist for Chromium(III) and Chromium(VI), 1 and 0.1%, respectively

For the Short Chemical List (Annex 3), the following two terms are used:

- Chromium and chromium(III) compounds (as Cr): includes chromium and any unique chemical substance that contains chromium(III) as part of that chemical's infrastructure

- Chromium(VI) compounds (as Cr): includes any unique chemical substance that contains chromium(VI) as part of that chemical's infrastructure)

6.4 Hydrochlorofluorocarbons (HCFCs), chlorofluorocarbon (CFCs) and halons

Hydrochlorofluorocarbons (HCFCs), chlorofluorocarbon (CFCs) and halons are considered in the different PRTR systems as follows:

- Australia: not included

- Canada: Canada recommends that halons be listed individually. Halons, CFCs and HCFCs are subject to controls stipulated in the Montreal Protocol and subsequent amendments. The substances have long lifetimes in the atmosphere as characterized by their individual ozone depleting potentials. Accurate data on the individual species is needed to support modelling of their global impacts on stratospheric ozone depletion.

- E-PRTR:

  - HCFCs (Total mass of substances including their isomers listed in Group VIII of Annex I to Regulation (EC) No 2037/2000 of the European Parliament and of the Council of 29 June 2000 on substances that deplete the ozone layer (OJ L 244, 29.9.2000, p. 1) (European Commission, 2000). Regulation as amended by Regulation (EC) No 1804/2003 (OJ L 265, 16.10.2003, p. 1) (European Commission, 2003)).

  - CFCs (Total mass of substances including their isomers listed in Group I and II of Annex I to Regulation (EC) No 2037/2000 (European Commission, 2000)).

  - Halons (Total mass of substances including their isomers listed in Group III and VI of Annex I to Regulation (EC) No 2037/2000 (European Commission, 2000)). However, the European Commission eventually proposes to report the substances individually given the different global warming potential. This has to be further discussed.

- Japan: In Japan, all the gasses defined in the Montreal Protocol are individually listed in the PRTR system.

- The U.S.: All compounds are individually listed.

For the Short Chemical List (Annex 3), the following three terms are used (UNEP, 2005):

- Hydrochlorofluorocarbons (HCFCs) (total mass of substances including their isomers listed in Group I Annex C of the list of controlled substances under the Montreal Protocol.

- Chlorofluorocarbons (CFCs) (total mass of substances including their isomers listed in Group I Annex A and Group I Annex B of the list of controlled substances under the Montreal Protocol.

- Halons (total mass of substances including their isomers listed in Group II Annex A and Group I Annex E of the list of controlled substances under the Montreal Protocol.

These terms were selected because of the variability in substances covered by each PRTR and to limit the length of the Short Chemical List. An individual reporting of the substances given the different global warming potential can be foreseen in the future.

6.5 Polycyclic aromatic hydrocarbons (PAHs)

Polycyclic aromatic hydrocarbons (PAHs) are considered in the different PRTR systems as follows:

- Australia: the amount of 'Polycyclic Aromatic Hydrocarbons (Benzo[a]pyrene equivalent) (PAHs B[a]Peq)' emitted refers to the sum of the toxic equivalent amounts of the individual congeners emitted or transferred. Toxic equivalent amounts are obtained by multiplying the mass of the congener by the Toxicity Equivalency Factor.

- Canada: Canada recommends that PAHs be listed individually, to allow greater opportunity and flexibility for comparison and analysis.

- E-PRTR: Polycyclic aromatic hydrocarbons (PAHs) are to be measured for reporting of releases to air as benzo(a)pyrene (50-32-8), benzo(b)fluoranthene (205-99-2), benzo(k)fluoranthene (207-08-9), indeno(1,2,3-cd)pyrene (193-39-5). Other compounds are individually listed.

- Japan: In the Japanese PRTR system chemicals normally released unintentionally are rarely included. Therefore, PAHs are limited in the PRTR system to chemicals intentionally used and therefore listed individually.

- The U.S.: Some compounds are individually listed incl. *de minimis* levels. A category Polycyclic aromatic compounds (PACs) with individual components also exists (PBT chemicals, i.e. no *de minimis* levels)

For the Short Chemical List (Annex 3), individual substances present in at least three of the different PRTR systems are included (i.e. Anthracene, Naphthalene, Fluoranthene / Benzo(j,k)fluorine, Benzo(g,h,i)perylene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(k)fluoranthene Indeno(1,2,3-c,d)pyrene).

6.6 Benzene, toluene, ethylbenzene and xylene (BTEX)

The monoaromatic hydrocarbons benzene, toluene, ethylbenzene and the xylene isomers are considered in the different PRTR systems as follows:

- Australia: the following entries exist: benzene, toluene, ethylbenzene and xylenes (individual or mixed isomers).

- Canada: the following entries exist: benzene, toluene, ethylbenzene and xylenes (all isomers).

- E-PRTR: the following entries exist: benzene, toluene, ethylbenzene and xylenes (i.e. all isomers). Single pollutants are to be reported if the threshold for BTEX (the sum parameter of benzene, toluene, ethylbenzene, xylenes) is exceeded.

- Japan: the following entries exist: benzene, toluene, ethylbenzene and xylene (i.e. all isomers).

- The U.S.: the following entries exist: benzene, toluene, ethylbenzene, xylene (mixed isomers), o-xylene, m-xylene and p-xylene

For the Short Chemical List (Annex 3), individual substances present in at least three of the different PRTR systems are included; i.e. benzene, toluene, ethylbenzene and xylene (mixed isomers).

6.7 Chemicals covered under the Kiev Protocol

The short chemical list was developed by first compiling a list of all chemicals covered by four or more of the five PRTRs and then adding Persistent Organic Pollutants (POPs), Greenhouse Gases (GHGs), and all chemicals covered under the Kiev Protocol. In adding the Kiev Protocol chemicals to the Short Chemical List, a considerable overlap between Kiev Protocol chemicals and the chemicals covered by four or more of the five PRTRs that were already included in the Short Chemical List was identified. First, 53 chemicals overlapped completely. Second, three Kiev Protocol chemicals are related to chemicals already on the Short Chemical List:

1. The Kiev Protocol chemical *Chromium and compounds (as Cr)* includes the same compounds as two chemical groups already included in the Short Chemical List, *Chromium and chromium(III) compounds (as Cr)* and *Chromium(VI) compounds (as Cr)*.
2. The Kiev Protocol chemical *Brominated diphenylethers (PBDE)* includes one individually listed compound already on the Short Chemical List, *Decabromodiphenyl ether*.
3. The Kiev Protocol chemical *Phenols (as total C)* includes one individually listed compound already on the Short Chemical List, *Phenol*.

Since every compound covered by the Kiev Protocol *Chromium and compounds (as Cr)* is included in either *Chromium and chromium (III) compounds (as Cr)* or *Chromium (VI) compounds (as Cr)*, *Chromium and compounds (as Cr)* was not added to the Short Chemical List. Instead, both *Chromium and chromium (III) compounds (as Cr)* and *Chromium (VI) compounds (as Cr)* were marked as substances included in a Kiev Protocol chemical group.

The Kiev Protocol chemical *Brominated diphenylethers (PBDE)* includes penta-BDE, octa-BDE and deca-BDE. Only one of these three chemicals was already included in the Short Chemical List, *Decabromodiphenyl ether (deca-BDE)*. To ensure that all compounds included in *Brominated diphenylethers (PBDE)* are covered by the Short Chemical List, *Brominated diphenylethers (PBDE)* was added as a new chemical to the list. In addition, *Decabromodiphenyl ether* was marked as a substance included in a Kiev Protocol chemical group.

Similarly, the Kiev Protocol chemical *Phenols (as total C)* includes phenol and simple substituted phenols. Phenol was already included in the Short Chemical List, but simple substituted phenols were not. To ensure that all compounds included in *Phenols (as total C)* are covered by the Short Chemical List, *Phenols (as total C)* was added as a new chemical to the list. In addition, *Phenol* was marked as a substance included in a Kiev Protocol chemical group.

The remaining 30 Kiev Protocol chemicals did not correspond to any chemicals already included in the Short Chemical List. These 30 chemicals were added to the list as new records.

In total, 89 of the 126 Short List Chemicals were marked as covered under the Kiev Protocol (

Table 15). The marked chemicals include 85 chemicals that are the same as with Kiev Protocol chemicals and four chemicals that are substances covered by Kiev Protocol chemical groups (*Chromium and chromium(III) compounds (as Cr)*, and *Chromium(VI) compounds (as Cr)*, *Decabromodiphenyl ether* and *Phenol*).

Table 15. Number of Long and Short List Chemicals Covered by the Kiev Protocol

Class	Number of Chemicals Covered by the Kiev Protocol	
	Long Chemical List	Short Chemical List
1. Persistent Organic Pollutants (POPs)	14	14
2. Metals	8	9[1]
3. Inorganic substances	8	8
4. Chlorinated and brominated organic substances	15	16[2]
5. Ozone depleting substances	3	3
6. Greenhouse gases (GHGs)	6	6
7. Other gases	7	7
8. Polycyclic aromatic hydrocarbons (PAHs)	3	3
9. Other organic substances	12	13[3]
10. Active substances of plant protection products or biocidal products	10	10
11. Colors and dyes	-	-
12. Active pharmaceutical ingredient (API)	-	-
13. Non-grouped organic substances	-	-
Total	86	89[1,2,3]

[1] The Kiev Protocol covers *Chromium and compounds (as Cr)* as a single chemical group. The Short Chemical List separates chromium compounds into two chemical groups: *Chromium and chromium (III) compounds (as Cr)* and *Chromium (VI) compounds (as Cr)* (see Section 6.3). On the Short Chemical List, both *Chromium and chromium (III) compounds (as Cr)* and *Chromium (VI) compounds (as Cr)* are marked as being covered as substances included in a Kiev Protocol chemical group.

[2] The Kiev Protocol covers *Brominated diphenylethers (PBDE)* as a single chemical group. The Short Chemical List includes an entry for *Brominated diphenylethers (PBDE)* and *Decabromodiphenyl ether*. *Brominated diphenylethers (PBDE)* is marked as being covered by the Kiev Protocol and *Decabromodiphenyl ether* is marked as being covered as a substance included in a Kiev Protocol chemical group.

[3] The Kiev Protocol covers *Phenols (as total C)* as a single chemical group. The Short Chemical List includes an entry for *Phenols (as total C)* and *Phenol*. *Phenols (as total C)* is marked as being covered by the Kiev Protocol and *Phenol* is marked as being covered as a substance included in a Kiev Protocol chemical group.

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European Commission (2000), *Regulation (EC) No 2037/2000 of the European Parliament and of the Council of 29 June 2000 on substances that deplete the ozone layer (O.J. L 244, 29.9.2000)* , European Commission, Brussels.

European Commission (2003), *Regulation (EC) No 1804/2003 of the European Parliament and of the Council of 22 September 2003 amending Regulation (EC) No 2037/2000 as regards the control of halon exported for critical uses, the export of products and equipment containing chlorofluorocarbons and controls on bromochloromethane* (O.J. L 265, 16.10.2003), European Commission, Brussels.

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ANNEX 1. JAPANESE PRTR SUBSTANCE LIST

The list is provided by Japan.

Class I Designated Chemical Substances

This English version is for reference information. The substances list was amended from total 354 substances to 462 substances and enacted in October 2009 . It is expected to reflect this amendment in future revision of this report.

CAS numbers are also reference information. The column of CAS number may not contain all of the CAS numbers if the substance(s) has multiple CAS numbers. For checking substances precisely (e.g. checking isomers), please check substance name, not CAS number.

Number	CAS	Substance Name
1	-	zinc compounds(water-soluble)
2	79-06-1	acrylamide
3	140-88-5	ethyl acrylate
4	-	acrylic acid and its water-soluble salts
5	2439-35-2	2-(dimethylamino)ethyl acrylate
6	818-61-1	2-hydroxyethyl acrylate
7	141-32-2	n-butyl acrylate
8	96-33-3	methyl acrylate
9	107-13-1	acrylonitrile
10	107-02-8	acrolein
11	26628-22-8	sodium azide
12	75-07-0	acetaldehyde
13	75-05-8	acetonitrile
14	75-86-5	acetone cyanohydrin
15	83-32-9	acenaphthene
16	78-67-1	2,2'-azobisisobutyronitrile
17	90-04-0	o-anisidine
18	62-53-3	aniline
19	82-45-1	1-amino-9,10-anthraquinone
20	141-43-5	2-aminoethanol
21	1698-60-8	5-amino-4-chloro-2-phenylpyridazin-3(2H)-one; chloridazon
22	120068-37-3	5-amino-1-[2,6-dichloro-4-(trifluoromethyl)phenyl]-3-cyano-4[(trifluoromethyl)sulfinyl]pyrazole; fipronil
23	123-30-8	p-aminophenol
24	591-27-5	m-aminophenol
25	21087-64-9	4-amino-6-tert-butyl-3-methylthio-1,2,4-triazin-5(4H)-one; metribuzin
26	107-11-9	3-amino-1-propene
27	41394-05-2	4-amino-3-methyl-6-phenyl-1,2,4-triazin-5(4H)-one; metamitron
28	107-18-6	allyl alcohol
29	106-92-3	1-allyloxy-2,3-epoxypropane
30	-	n-alkylbenzenesulfonic acid and its salts(alkyl C=10-14)
31	-	antimony and its compounds
32	120-12-7	anthracene
33	1332-21-4	asbestos
34	4098-71-9	3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate
35	78-84-2	isobutyraldehyde
36	78-79-5	isoprene
37	80-05-7	4,4'-isopropylidenediphenol; bisphenol A
38	4162-45-2	2,2'-{isopropylidenebis[(2,6-dibromo-4,1-phenylene)oxy]}diethanol
39	22224-92-6	O-ethyl-O-(3-methyl-4-methylthiophenyl) N-isopropylaminophosphonate; fenamiphos
40	149877-41-8	isopropyl 2-(4-methoxybiphenyl-3-yl)hydrazinoformate; bifenazate
41	66332-96-5	3'-isopropoxy-2-trifluoromethylbenzanilide; flutolanil
42	96-45-7	2-imidazolidinethione
43	13516-27-3	1,1'-[iminodi(octamethylene)]diguanidine; iminoctadine

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Number	CAS	Substance Name
44	-	indium and its compounds
45	75-08-1	ethanethiol
46	76578-14-8	ethyl 2-[4-(6-chloro-2-quinoxalinyloxy)phenoxy]propionate; quizalofop-ethyl
47	36335-67-8	O-ethyl O-(6-nitro-m-tolyl)sec-butylphosphoramidothioate; butamifos
48	2104-64-5	O-ethyl O-4-nitrophenyl phenylphosphonothioate; EPN
49	40487-42-1	N-(1-ethylpropyl)-2,6-dinitro-3,4-xylidine; pendimethalin
50	2212-67-1	S-ethyl hexahydro-1H-azepine-1-carbothioate; molinate
51	149-57-5	2-ethylhexanoic acid
52	83130-01-2	ethyl (Z)-3-[N-benzyl-N-[[methyl(1-methylthioethylideneaminooxycarbonyl) amino]thio]amino]propionate; alanycarb
53	100-41-4	ethylbenzene
54	98886-44-3	O-ethyl S-1-methylpropyl (2-oxo-3-thiazolidinyl)phosphonothioate; fosthiazate
55	151-56-4	ethyleneimine
56	75-21-8	ethylene oxide
57	110-80-5	ethylene glycol monoethyl ether
58	109-86-4	ethylene glycol monomethyl ether
59	107-15-3	ethylenediamine
60	60-00-4	ethylenediaminetetraacetic acid
61	12427-38-2	manganese N,N'-ethylenebis(dithiocarbamate); maneb
62	8018-01-7	complex compounds of manganese N,N'-ethylenebis(dithiocarbamate)and zinc N,N'-ethylenebis(dithiocarbamate); mancozeb
63	85-00-7	1,1'-ethylene-2,2'-bipyridinium dibromide; diquat dibromide
64	80844-07-1	2-(4-ethoxyphenyl)-2-methylpropyl 3-phenoxybenzyl ether; etofenprox
65	106-89-8	epichlorohydrin
66	106-88-7	1,2-epoxybutane
67	556-52-5	2,3-epoxy-1-propanol
68	75-56-9	1,2-epoxypropane; propylene oxide
69	122-60-1	2,3-epoxypropyl phenyl ether
70	155569-91-8	emamectin benzoate; mixture of emamectinB_{1a} benzoate and emamectinB_{1b} benzoate
71	7705-08-0	ferric chloride
72	85535-84-8	chlorinated paraffin (C=10-13)
73	111-87-5	1-octanol
74	1806-26-4	p-octylphenol
75	-	cadmium and its compounds
76	105-60-2	ε-caprolactam
77	156-62-7	calcium cyanamide
78	105-67-9	2,4-xylenol
79	576-26-1	2,6-xylenol
80	1330-20-7	xylene
81	91-22-5	quinoline
82	-	silver and its water-soluble compounds
83	98-82-8	cumene

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Number	CAS	Substance Name
84	107-22-2	glyoxal
85	111-30-8	glutaraldehyde
86	1319-77-3	cresol
87	-	chromium and chromium(III) compounds
88	-	chromium(VI) compounds
89	95-51-2 106-47-8 108-42-9	chloroaniline
90	1912-24-9	2-chloro-4-ethylamino-6-isopropylamino-1,3,5-triazine; atrazine
91	21725-46-2	2-(4-chloro-6-ethylamino-1,3,5-triazin-2-yl)amino-2-methylpropiononitrile; cyanazine
92	129558-76-5	4-chloro-3-ethyl-1-methyl-N-[4-(p-tolyloxy)benzyl]pyrazole-5-carboxamide; tolfenpyrad
93	51218-45-2	2-chloro-2'-ethyl-N-(2-methoxy-1-methylethyl)-6'-methylacetanilide; metolachlor
94	75-01-4	chloroethylene; vinyl chloride
95	79622-59-6	3-chloro-N-(3-chloro-5-trifluoromethyl-2-pyridyl)-α,α,α-trifluoro-2,6-dinitro-p-toluidine; fluazinam
96	119446-68-3	1-({2-[2-chloro-4-(4-chlorophenoxy)phenyl]-4-methyl-1,3-dioxolan-2-yl}methyl)-1H-1,2,4-triazole; difenoconazole
97	611-19-8	1-chloro-2-(chloromethyl)benzene
98	79-11-8	chloroacetic acid
99	105-39-5	ethyl chloroacetate
100	51218-49-6	2-chloro-2',6'-diethyl-N-(2-propoxyethyl)acetanilide; pretilachlor
101	15972-60-8	2-chloro-2',6'-diethy-N-(methoxymethyl)acetanilide; alachlor
102	97-00-7	1-chloro-2,4-dinitrobenzene
103	75-68-3	1-chloro-1,1-difluoroethane; HCFC-142b
104	75-45-6	chlorodifluoromethane; HCFC-22
105	2837-89-0	2-chloro-1,1,1,2-tetrafluoroethane; HCFC-124
106	-	chlorotrifluoroethane; HCFC-133
107	75-72-9	chlorotrifluoromethane; CFC-13
108	7085-19-0 93-65-2	(RS)-2-(4-chloro-o-tolyloxy)propionic acid; mecoprop
109	95-49-8	o-chlorotoluene
110	106-43-4	p-chlorotoluene
111	121-87-9	2-chloro-4-nitroaniline
112	88-73-3	2-chloronitrobenzene
113	122-34-9	2-chloro-4,6-bis(ethylamino)-1,3,5-triazine; shimazine; CAT
114	133220-30-1	(RS)-2-[2-(3-chlorophenyl)-2,3-epoxypropyl]-2-ethylindane-1,3-dione; indanofan
115	158237-07-1	4-(2-chlorophenyl)-N-cyclohexyl-N-ethyl-4,5-dihydro-5-oxo-1H-tetrazole-1-carboxamide; fentrazamide
116	78587-05-0	(4RS,5RS)-5-(4-chlorophenyl)-N-cyclohexyl-4-methyl-2-oxo-1,3-thiazolidine-3-carboxamide; hexythiazox
117	107534-96-3	(RS)-1-p-chlorophenyl-4,4-dimethyl-3-(1H-1,2,4-triazol-1-ylmethyl)pentan-3-ol; tebuconazole
118	88671-89-0	2-(4-chlorophenyl)-2-(1H-1,2,4-triazol-1-ylmethyl)hexanenitrile; myclobutanil

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Number	CAS	Substance Name
119	114369-43-6	(RS)-4-(4-chlorophenyl)-2-phenyl-2-(1H-1,2,4-triazol-1-ylmethyl)butyronitrile; fenbuconazole
120	95-57-8	o-chlorophenol
121	106-48-9	p-chlorophenol
122	598-78-7	2-chloropropionic acid
123	107-05-1	3-chloropropene; allyl chloride
124	99485-76-4	1-(2-chlorobenzyl)-3-(1-methyl-1-phenylethyl)urea; cumyluron
125	108-90-7	chlorobenzene
126	76-15-3	chloropentafluoroethane; CFC-115
127	67-66-3	chloroform
128	74-87-3	chloromethane; methyl chloride
129	59-50-7	4-chloro-3-methylphenol
130	94-74-6	(4-chloro-2-methylphenoxy)acetic acid; MCP; MCPA
131	563-47-3	3-chloro-2-methyl-1-propene
132	-	cobalt and its compounds
133	111-15-9	2-ethoxyethyl acetate; ethylene glycol monoethyl ether acetate
134	108-05-4	vinyl acetate
135	110-49-6	2-methoxyethyl acetate; ethylene glycol monomethyl ether acetate
136	90-02-8	salicylaldehyde
137	420-04-2	cyanamide
138	139920-32-4	(RS)-2-cyano-N-[(R)-1-(2,4-dichlorophenyl)ethyl]-3,3-dimethylbutyramide; diclocymet
139	66841-25-6	(S)-alpha-cyano-3-phenoxybenzyl (1R,3S)-2,2-dimethyl-3-(1,2,2,2-tetrabromoethyl)cyclopropanecarboxylate; tralomethrin
140	39515-41-8	(RS)-alpha-cyano-3-phenoxybenzyl 2,2,3,3-tetramethylcyclopropanecarboxylate; fenpropathrin
141	57966-95-7	trans-1-(2-cyano-2-methoxyiminoacetyl)-3-ethylurea; cymoxanil
142	615-05-4	2,4-diaminoanisole
143	101-80-4	4,4'-diaminodiphenyl ether
144	-	inorganic cyanide compounds (except complex salts and cyanates)
145	100-37-8	2-(diethylamino)ethanol
146	29232-93-7	O-2-diethylamino-6-methylpyrimidin-4-yl O,O-dimethyl phosphorothioate; pirimiphos-methyl
147	28249-77-6	S-4-chlorobenzyl N,N-diethylthiocarbamate; thiobencarb
148	125306-83-4	N,N-diethyl-3-(2,4,6-trimethylphenylsulfonyl)-1H-1,2,4-triazole-1-carboxamide; cafenstrole
149	56-23-5	tetrachloromethane
150	123-91-1	1,4-dioxane
151	646-06-0	1,3-dioxolane
152	15263-53-3	1,3-dicarbamoylthio-2-(N,N-dimethylamino)-propane; cartap
153	7696-12-0	cyclohex-1-ene-1,2-dicarboximidomethyl (1RS)-cis-trans-2,2-dimethyl-3-(2-methylprop-1-enyl)cyclopropanecarboxylate; tetramethrin
154	108-91-8	cyclohexylamine
155	17796-82-6	N-(cyclohexylthio)phthalimide

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Number	CAS	Substance Name
156	27134-27-6	dichloroaniline
157	107-06-2	1,2-dichloroethane
158	75-35-4	1,1-Dichloroethylene; vinylydene dichloride
159	156-59-2	cis-1,2-dichloroethylene
160	101-14-4	3,3'-dichloro-4,4'-diaminodiphenylmethane
161	75-71-8	dichlorodifluoromethane; CFC-12
162	23950-58-5	3,5-dichloro-N-(1,1-dimethyl-2-propynyl)benzamide; propyzamide
163	-	dichlorotetrafluoroethane; CFC-114
164	306-83-2	2,2-dichloro-1,1,1-trifluoroethane; HCFC-123
165	95-73-8	2,4-dichlorotoluene
166	99-54-7	1,2-dichloro-4-nitrobenzene
167	89-61-2	1,4-dichloro-2-nitrobenzene
168	36734-19-7	3-(3,5-dichlorophenyl)-N-isopropyl-2,4-dioxoimidazolidine-1-carboxamide; iprodione
169	330-54-1	3-(3,4-dichlorophenyl)-1,1-dimethylurea; diuron; DCMU
170	112281-77-3	(RS)-2-(2,4-dichlorophenyl)-3-(1H-1,2,4-triazol-1-yl)propyl 1,1,2,2-tetrafluoroethyl ether; tetraconazole
171	60207-90-1	mixture of (2RS,4RS)-1-[2-(2,4-dichlorophenyl)-4-propyl-1,3-dioxolan-2-ylmethyl]-1H-1,2,4-triazole and (2RS,4SR)-1-[2-(2,4-dichlorophenyl)-4-propyl-1,3-dioxolan-2-ylmethyl]-1H-1,2,4-triazole; propiconazole
172	153197-14-9	3-[1-(3,5-dichlorophenyl)-1-methylethyl]-3,4-dihydro-6-methyl-5-phenyl-2H-1,3-oxazin-4-one; oxaziclomefone
173	50471-44-8	(RS)-3-(3,5-dichlorophenyl)-5-methyl-5-vinyl-1,3-oxazolidine-2,4-dione; vinclozolin
174	330-55-2	3-(3,4-dichlorophenyl)-1-methoxy-1-methylurea; linuron
175	94-75-7	2,4-dichlorophenoxyacetic acid; 2,4-D; 2,4-PA
176	1717-00-6	1,1-dichloro-1-fluoroethane; HCFC-141b
177	75-43-4	dichlorofluoromethane; HCFC-21
178	78-87-5	1,2-dichloropropane
179	542-75-6	1,3-dichloropropene; D-D
180	91-94-1	3,3'-dichlorobenzidine
181	95-50-1 106-46-7	dichlorobenzene
182	71561-11-0	2-[4-(2,4-dichlorobenzoyl)-1,3-dimethyl-5-pyrazolyloxy]acetophenone; pyrazoxyfen
183	58011-68-0	4-(2,4-dichlorobenzoyl)-1,3-dimethyl-5-pyrazolyl 4-toluenesulfonate; pyrazolynate
184	1194-65-6	2,6-dichlorobenzonitrile; dichlobenil; DBN
185	-	dichloropentafluoropropane; HCFC-225
186	75-09-2	dichloromethane; methylene dichloride
187	3347-22-6	2,3-dicyano-1,4-dithiaanthraquinone; dithianon
188	101-83-7	N,N-dicyclohexylamine
189	4979-32-2	N,N-dicyclohexyl-2-benzothiazolesulfenamide
190	77-73-6	dicyclopentadiene
191	50512-35-1	diisopropyl 1,3-dithiolan-2-ylidenemalonate; isoprothiolane
192	17109-49-8	O-ethyl S,S-diphenyl phosphorodithioate; edifenphos; EDDP
193	298-04-4	O,O-diethyl S-2-(ethylthio)ethyl phosphorodithioate; ethylthiometon; disulfoton

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Number	CAS	Substance Name
194	2310-17-0	O,O-diethyl S-(6-chloro-2,3-dihydro-2-oxobenzoxazolinyl)methyl phosphorodithioate; phosalone
195	34643-46-4	O-2,4-dichlorophenyl O-ethyl S-propyl phosphorodithioate; prothiofos
196	950-37-8	S-(2,3-dihydro-5-methoxy-2-oxo-1,3,4-thiadiazol-3-yl)methyl O,O-dimethylphosphorodithioate; methidathion; DMTP
197	121-75-5	O,O-dimethyl S-1,2-bis(ethoxycarbonyl)ethyl phosphorodithioate;
198	60-51-5	O,O-dimethyl S-(N-methylcarbamoyl)methyl phosphorodithioate; dimethoate
199	16090-02-1	disodium 2,2'-vinylenebis[5-(4-morpholino-6-anilino-1,3,5-triazin-2-ylamino)benzenesulfonate]; C.I. Fluorescent 260
200	25321-14-6	dinitrotoluene
201	51-28-5	2,4-dinitrophenol
202	1321-74-0	divinylbenzene
203	122-39-4	diphenylamine
204	101-84-8	diphenyl ether
205	102-06-7	1,3-diphenylguanidine
206	55285-14-8	2,3-dihydro-2,2-dimethyl-7-benzo[b]furyl N-(dibutylamino)thio-N-methylcarbamate; carbosulfan
207	128-37-0	2,6-di-tert-butyl-4-cresol
208	96-76-4	2,4-di-tert-butylphenol
209	124-48-1	dibromochloromethane
210	10222-01-2	2,2-dibromo-2-cyanoacetamide
211	-	dibromotetrafluoroethane; halone-2402
212	30560-19-1	(RS)-O,S-dimethyl acetylphosphoramidothioate; acephate
213	127-19-5	N,N-dimethylacetamide
214	95-68-1	2,4-dimethylaniline
215	87-62-7	2,6-dimethylaniline
216	121-69-7	N,N-dimethylaniline
217	31895-21-3	5-dimethylamino-1,2,3-trithiane; thiocyclam
218	124-40-3	dimethylamine
219	624-92-0	dimethyl disulfide
220	-	water-soluble salts of dimethyldithiocarbamic acid
221	82560-54-1	2,2-dimethyl-2,3-dihydro-1-benzofuran-7-yl N-[N-(2-ethoxycarbonylethyl)-N-isopropylsulfenamoyl]-N-methylcarbamate; benfuracarb
222	62850-32-2	S-4-phenoxybutyl N,N-dimethylthiocarbamate; phenothiocarb
223	112-18-5	N,N-dimethyldodecylamine
224	1643-20-5	N,N-dimethyldodecylamine N-oxide
225	52-68-6	dimethyl 2,2,2-trichloro-1-hydroxyethylphosphonate; trichlorfon; DEP
226	57-14-7	1,1-dimethylhydrazine
227	1910-42-5	1,1'-dimethyl-4,4'-bipyridinium dichloride; paraquat; paraquat dichloride
228	91-97-4	3,3'-dimethylbiphenyl-4,4'-diyl diisocyanate
229	23564-05-8	dimethyl 4,4'-(o-phenylene)bis(3-thioallophanate); thiophanate-methyl
230	793-24-8	N-(1,3-dimethylbutyl)-N'-phenyl-p-phenylenediamine
231	119-93-7	3,3'-dimethylbenzidine; o-tolidine

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Number	CAS	Substance Name
232	68-12-2	N,N-dimethylformamide
233	2597-03-7	ethyl 2-[(dimethoxyphosphinothioyl)thio]-2-phenylacetate; phenthoate; PAP
234	7726-95-6	bromine
235	-	water-soluble salts of bromic acid
236	3861-47-0	3,5-diiodo-4-octanoyloxybenzonitrile; ioxynil octanoate
237	-	mercury and its compounds
238	61788-32-7	hydrogenated terphenyl
239	-	organic tin compounds
240	100-42-5	styrene
241	4016-24-4	sodium salt of 2-sulfohexadecanoic acid 1-methyl ester
242	-	selenium and its compounds
243	-	dioxins
244	533-74-4	2-thioxo-3,5-dimethyltetrahydro-2H-1,3,5-thiadiazine; dazomet
245	62-56-6	thiourea
246	108-98-5	thiophenol
247	77458-01-6	O-1-(4-chlorophenyl)-4-pyrazolyl O-ethyl S-propyl phosphorothioate; pyraclofos
248	333-41-5	O,O-diethyl O-2-isopropyl-6-methyl-4-pyrimidinyl phosphorothioate; diazinon
249	2921-88-2	O,O-diethyl O-3,5,6-trichloro-2-pyridyl phosphorothioate; chlorpyrifos
250	18854-01-8	O,O-diethyl O-5-phenyl-3-isoxazolyl phosphorothioate; isoxathion
251	122-14-5	O,O-dimethyl O-3-methyl-4-nitrophenyl phosphorothioate; fenitrothion; MEP
252	55-38-9	O,O-dimethyl O-3-methyl-4-(methylthio)phenyl phosphorothioate; fenthion; MPP
253	41198-08-7	O-4-bromo-2-chlorophenyl O-ethyl S-propyl phosphorothioate; profenofos
254	26087-47-8	S-benzyl O,O-diisopropyl phosphorothioate; iprobenfos; IBP
255	1163-19-5	decabromodiphenyl ether
256	334-48-5	decanoic acid
257	112-30-1 25339-17-7	decyl alcohol; decanol
258	100-97-0	1,3,5,7-tetraazatricyclo[3.3.1.1$^{3.7}$]decane; hexamethylenetetramine
259	97-77-8	tetraethylthiuram disulfide; disulfiram
260	1897-45-6	tetrachloroisophthalonitrile; chlorothalonil; TPN
261	27355-22-2	4,5,6,7-tetrachloroisobenzofuran-1(3H)-one; phthalide
262	127-18-4	tetrachloroethylene
263	-	tetrachlorodifluoroethane; CFC-112
264	118-75-2	2,3,5,6-tetrachloro-p-benzoquinone
265	11070-44-3	tetrahydromethylphthalic anhydride
266	79538-32-2	2,3,5,6-tetrafluoro-4-methylbenzyl (Z)-3-(2-chloro-3,3,3-trifluoro-1-propenyl)-2,2-dimethylcyclopropanecarboxylate; tefluthrin
267	59669-26-0	3,7,9,13-tetramethyl-5,11-dioxa-2,8,14-trithia-4,7,9,12-tetraazapentadeca-3,12-diene-6,10-dione; thiodicarb
268	137-26-8	tetramethylthiuram disulfide; thiram
269	505-32-8	3,7,11,15-tetramethylhexadec-1-en-3-ol; isophytol
270	100-21-0	terephthalic acid
271	120-61-6	dimethyl terephthalate
272	-	copper salts(water-soluble, except complex salts)

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Number	CAS	Substance Name
273	112-53-8	1-dodecanol; n-dodecyl alcohol
274	25103-58-6	tert-dodecanethiol
275	151-21-3	sodium dodecyl sulfate
276	112-57-2	3,6,9-triazaundecane-1,11-diamine; tetraethylenepentamine
277	121-44-8	triethylamine
278	112-24-3	triethylenetetramine
279	71-55-6	1,1,1-trichloroethane
280	79-00-5	1,1,2-trichloroethane
281	79-01-6	trichloroethylene
282	76-03-9	trichloroacetic acid
283	108-77-0	2,4,6-trichloro-1,3,5-triazine
284	-	trichlorotrifluoroethane; CFC-113
285	76-06-2	trichloronitromethane; chloropicrin
286	55335-06-3	(3,5,6-trichloro-2-pyridyl)oxyacetic acid; triclopyr
287	88-06-2	2,4,6-trichlorophenol
288	75-69-4	trichlorofluoromethane; CFC-11
289	96-18-4	1,2,3-trichloropropane
290	12002-48-1	trichlorobenzene
291	2451-62-9	1,3,5-tris(2,3-epoxypropyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione
292	102-82-9	tributylamine
293	1582-09-8	α,α,α-trifluoro-2,6-dinitro-N,N-dipropyl-p-toluidine; trifluralin
294	118-79-6	2,4,6-tribromophenol
295	3452-97-9	3,5,5-trimethyl-1-hexanol
296	95-63-6	1,2,4-trimethylbenzene
297	108-67-8	1,3,5-trimethylbenzene
298	26471-62-5	tolylene diisocyanate
299	95-53-4 106-49-0	toluidine
300	108-88-3	toluene
301	25376-45-8	toluenediamine
302	91-20-3	naphthalene
303	3173-72-6	1,5-naphthalenediyl diisocyanate
304	7439-92-1	lead
305	-	lead compounds
306	13048-33-4	hexamethylene diacrylate
307	7699-43-6	zirconium dichloride oxide
308	7440-02-0	nickel
309	-	nickel compounds
310	139-13-9	nitrilotriacetic acid
311	91-23-6	o-nitroanisole
312	88-74-4	o-nitroaniline
313	55-63-0	nitroglycerin
314	100-00-5	p-nitrochlorobenzene
315	88-72-2	o-nitrotoluene

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Number	CAS	Substance Name
316	98-95-3	nitrobenzene
317	75-52-5	nitromethane
318	75-15-0	carbon disulfide
319	143-08-8	1-nonanol; n-nonyl alcohol
320	25154-52-3	nonylphenol
321	-	vanadium compounds
322	3618-72-2	5'-[N,N-bis(2-acetyloxyethyl)amino]-2'-(2-bromo-4,6-dinitrophenylazo)-4'-methoxyacetanilide
323	1014-70-6	2,4-bis(ethylamino)-6-methylthio-1,3,5-triazine; simetryn
324	101-90-6	1,3-bis[(2,3-epoxypropyl)oxy]benzene
325	10380-28-6	bis(8-quinolinolato)copper; oxine-copper
326	74115-24-5	3,6-bis(2-chlorophenyl)-1,2,4,5-tetrazine; clofentezine
327	782-74-1	1,2-bis(2-chlorophenyl)hydrazine
328	137-30-4	zinc bis(N,N'-dimethyldithiocarbamate); ziram
329	64440-88-6	N,N'-ethylenebis(thiocarbamoylthiozinc)bis(N,N-dimethyldithiocarbamate);polycarbamate
330	80-43-3	bis(1-methyl-1-phenylethyl) peroxide
331	95465-99-9	S,S-bis(1-methylpropyl) O-ethyl phosphorodithioate; cadusafos
332	-	arsenic and its inorganic compounds
333	302-01-2	hydrazine
334	99-76-3	methyl 4-hydroxybenzoate
335	103-90-2	N-(4-hydroxyphenyl)acetamide
336	123-31-9	hydroquinone
337	100-40-3	4-vinyl-1-cyclohexene
338	100-69-6	2-vinylpyridine
339	88-12-0	N-vinyl-2-pyrrolidone
340	92-52-4	biphenyl
341	110-85-0	piperazine
342	110-86-1	pyridine
343	120-80-9	pyrocatechol
344	96-09-3	phenyloxirane
345	100-63-0	phenylhydrazine
346	90-43-7	2-phenylphenol
347	941-69-5	N-phenylmaleimide
348	95-54-5 106-50-3 108-45-2	phenylenediamine
349	108-95-2	phenol
350	52645-53-1	3-phenoxybenzyl 3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate; permethrin
351	106-99-0	1,3-butadiene
352	131-17-9	diallyl phthalate
353	84-66-2	diethyl phthalate
354	84-74-2	di-n-butyl phthalate

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Number	CAS	Substance Name
355	117-81-7	bis(2-ethylhexyl)phthalate
356	85-68-7	n-butyl benzyl phthalate
357	69327-76-0	2-tert-butylimino-3-isopropyl-5-phenyltetrahydro-4H-1,3,5-thiadiazin-4-one;
358	112410-23-8	N-tert-butyl-N'-(4-ethylbenzoyl)-3,5-dimethylbenzohydrazide; tebufenozide
359	2426-08-6	n-butyl-2,3-epoxypropyl ether
360	17804-35-2	methyl N-[1-(N-n-butylcarbamoyl)-1H-2-benzimidazolyl]carbamate; benomyl
361	122008-85-9	butyl(R)-2-[4-(4-cyano-2-fluorophenoxy)phenoxy]propionate; cyhalofop-butyl
362	80060-09-9	1-tert-butyl-3-(2,6-diisopropyl-4-phenoxyphenyl)thiourea; diafenthiuron
363	19666-30-9	5-tert-butyl-3-(2,4-dichloro-5-isopropoxyphenyl)-1,3,4-oxadiazol-2(3H)-one;
364	134098-61-6	tert-butyl 4-({[(1,3-dimethyl-5-phenoxy-4-pyrazolyl)methylidene]aminooxy}methyl)benzoate; fenpyroximate
365	25013-16-5	butylhydroxyanisole; BHA
366	75-91-2	tert-butyl hydroperoxide
367	89-72-5	o-sec-butylphenol
368	98-54-4	4-tert-butylphenol
369	2312-35-8	2-(4-tert-butylphenoxy)cyclohexyl 2-propynyl sulfite; propargite; BPPS
370	96489-71-3	2-tert-butyl-5-(4-tert-butylbenzylthio)-4-chloro-3(2H)-pyridazinone; pyridaben
371	119168-77-3	N-(4-tert-butylbenzyl)-4-chloro-3-ethyl-1-methylpyrazole-5-
372	95-31-8	N-(tert-butyl)-2-benzothiazolesulfenamide
373	88-60-8	2-tert-butyl-5-methylphenol
374	-	hydrogen fluoride and its water-soluble salts
375	4170-30-3	2-butenal
376	23184-66-9	N-butoxymethyl-2-chloro-2',6'-diethylacetanilide; butachlor
377	110-00-9	furan
378	12071-83-9	polymer of N,N'-propylenebis(dithiocarbamic acid)and zinc; propineb
379	107-19-7	2-propyn-1-ol
380	353-59-3	bromochlorodifluoromethane; halone-1211
381	75-27-4	bromodichloromethane
382	75-63-8	bromotrifluoromethane; halone-1301
383	314-40-9	5-bromo-3-sec-butyl-6-methyl-1,2,3,4-tetrahydropyrimidine-2,4-dione; bromacil
384	106-94-5	1-bromopropane
385	75-26-3	2-bromopropane
386	74-83-9	bromomethane; methyl bromide
387	13356-08-6	hexakis(2-methyl-2-phenylpropyl)distannoxane; fenbutatin oxide
388	115-29-7	6,7,8,9,10,10-hexachloro-1,5,5a,6,9,9a-hexahydro-6,9-methano-2,4,3-benzodioxathiepine 3-oxide; endosulfan
389	112-02-7	hexadecyltrimethylammonium chloride
390	124-09-4	hexamethylenediamine
391	822-06-0	hexamethylene diisocyanate
392	110-54-3	n-hexane
393	135-19-3	betanaphthol
394	-	beryllium and its compounds
395	-	water-soluble salts of peroxodisulfuric acid
396	1763-23-1	perfluoro(octane-1-sulfonic acid); PFOS

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Number	CAS	Substance Name
397	98-07-7	benzylidyne trichloride
398	100-44-7	benzyl chloride
399	100-52-7	benzaldehyde
400	71-43-2	benzene
401	552-30-7	1,2,4-benzenetricarboxylic 1,2-anhydride
402	73250-68-7	2-(2-benzothiazolyloxy)-N-methylacetanilide; mefenacet
403	119-61-9	benzophenone
404	87-86-5	pentachlorophenol
405	-	boron compounds
406	1336-36-3	polychlorinated biphenyls; PCBs
407	-	poly(oxyethylene)alkyl ether(alkyl C=12-15)
408	9036-19-5	poly(oxyethylene)octylphenyl ether
409	9004-82-4	sodium poly(oxyethylene) dodecyl ether sulfate
410	9016-45-9	poly(oxyethylene)nonylphenyl ether
411	50-00-0	formaldehyde
412	-	manganese and its compounds
413	85-44-9	phthalic anhydride
414	108-31-6	maleic anhydride
415	79-41-4	methacrylic acid
416	688-84-6	2-ethylhexyl methacrylate
417	106-91-2	2,3-epoxypropyl methacrylate
418	2867-47-2	2-(dimethylamino)ethyl methacrylate
419	97-88-1	n-butyl methacrylate
420	80-62-6	methyl methacrylate
421	674-82-8	4-methylideneoxetan-2-one
422	89269-64-7	(Z)-2'-methylacetophenone 4,6-dimethyl-2-pyrimidinylhydrazone; ferimzone
423	74-89-5	methylamine
424	556-61-6	methyl isothiocyanate
425	2631-40-5	2-isopropylphenyl N-methylcarbamate; isoprocarb; MIPC
426	1563-66-2	2,3-dihydro-2,2-dimethyl-7-benzo[b]furanyl N-methylcarbamate; carbofuran
427	63-25-2	1-naphthyl N-methylcarbamate; carbaryl; NAC
428	3766-81-2	2-sec-butylphenyl N-methylcarbamate; fenobucarb; BPMC
429	100784-20-1	methyl 3-chloro-5-(4,6-dimethoxy-2-pyrimidinylcarbamoylsulfamoyl)-1-methylpyrazole-4-carboxylate; halosulfuron-methyl
430	173584-44-6	methyl (S)-7-chloro-2,3,4a,5-tetrahydro-2-[methoxycarbonyl(4-trifluoromethoxyphenyl)
431	131860-33-8	methyl (E)-2-[2-[6-(2-cyanophenoxy)pyrimidin-4-yloxy]phenyl]-3-methoxyacrylate; azoxystrobin
432	33089-61-1	3-methyl-1,5-di(2,4-xylyl)-1,3,5-triazapenta-1,4-diene; amitraz
433	144-54-7	N-methyldithiocarbamic acid; carbam
434	23135-22-0	methyl-N',N'-dimethyl-N-[(methylcarbamoyl)oxy]-1-thiooxamimidate; oxamyl
435	136191-64-5	methyl 2-(4,6-dimethoxy-2-pyrimizinyloxy)-6-[1-(methoxyimino)ethyl]benzoate; pyriminobac-methyl

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Number	CAS	Substance Name
436	98-83-9	α-methylstyrene
437	3268-49-3	3-methylthiopropanal
438	1321-94-4	methylnaphthalene
439	108-99-6	3-methylpyridine
440	80-15-9	1-methyl-1-phenylethyl hydroperoxide
441	88-85-7	2-(1-methylpropyl)-4,6-dinitrophenol
442	55814-41-0	2-methyl-N-[3-(1-methylethoxy)phenyl]benzamide; mepronil
443	16752-77-5	S-methyl-N-(methylcarbamoyloxy)thioacetimidate; methomyl
444	141517-21-7	methyl (E)-methoxyimino-[2-[[[[(E)-1-[3-(trifluoromethyl)phenyl]ethylidene] amino]oxy]methyl]phenyl]acetate; trifloxystrobin
445	143390-89-0	methyl (E)-methoxyimino[2-(o-tolyloxymethyl)phenyl]acetate; kresoxim-methyl
446	101-77-9	4,4'-methylenedianiline
447	5124-30-1	methylenebis(4,1-cyclohexylene)diisocyanate
448	101-68-8	methylenebis(4,1-phenylene) diisocyanate
449	13684-63-4	3-methoxycarbonylaminophenyl 3'-methylcarbanilate; phenmedipham
450	88678-67-5	O-3-tert-butylphenyl N-(6-methoxy-2-pyridyl)-N-methylthiocarbamate; pyributicarb
451	120-71-8	2-methoxy-5-methylaniline
452	149-30-4	2-mercaptobenzothiazole
453	-	molybdenum and its compounds
454	95-32-9	2-(morpholinodithio)benzothiazole
455	110-91-8	morpholine
456	20859-73-8	aluminium phosphide
457	62-73-7	dimethyl 2,2-dichlorovinyl phosphate; dichlorvos; DDVP
458	78-42-2	tris(2-ethylhexyl) phosphate
459	115-96-8	tris(2-chloroethyl)phosphate
460	1330-78-5	tritolyl phosphate
461	115-86-6	triphenyl phosphate
462	126-73-8	tri-n-butyl phosphate

ANNEX 2. HARMONISED LIST OF POLLUTANTS (LONG CHEMICAL LIST)

Legend

PRTR Program	Column	Symbol	Explanation
All	Covered by PRTR?	*	Substance included as a compound entry in the respective PRTR; or substances regulated in complementary programs to the respective PRTR
All	Covered by PRTR?	x	Substance covered under the PRTR.
Canada: NPRI	Activity	✓	Reporting of Part 3 chemicals is based on whether or not the facility engages in a list of specified activities.
Canada: NPRI	Air Release (kg/year)	1000^	Designates a reporting threshold of 1000 kg/year (1 ton) for Part 5 chemicals. A Part 5 substances must be reported if both the quantity of that substance released to air exceeds 1000 kg/year and the sum of all Part 4 chemicals released to air exceeds 10 tons.
EU: E-PRTR and Kiev Protocol Implementation Guidance	Release to Air Release to Water Release to Land	-	The chemical and medium (air, water, or land) does not trigger a reporting requirement.
Kiev Protocol Implementation Guidance	Manufacture, Process or Use (kg/year)	#	Release threshold to air should be used instead of an MPU threshold.
Kiev Protocol Implementation Guidance	Manufacture, Process or Use (kg/year)	##	Release threshold to water should be used instead of an MPU threshold.
Japan: PRTR	Chemical Category	I	Class 1 Designated Substance
Japan: PRTR	Chemical Category	S	Specific Class 1 Designated Substance
US: TRI	*De Minimis* % Limit	‡	The given chemical is designated as PBT (persistent, bio accumulative, and toxic) and therefore no concentration threshold applies.
US: TRI	Manufacture (kg/year) Process (kg/year) Otherwise Use (kg/year) *De Minimis* % Limit	RS	Reporting for the chemical was stayed in 1995, no threshold information provided.
All	Reporting Score	○	Not Reported
All	Reporting Score	●	Low Reporting
All	Reporting Score	●●	Medium Reporting
All	Reporting Score	●●●	High Reporting

Persistent Organic Pollutants (POPs), Greenhouse gases (GHGs): present in ≤2 PRTR-Systems, but included due to their environmental relevance
Substances in groups where single substances are present in 5 PRTR-Systems
Substances in groups where single substances are present in 4 PRTR-Systems (incl. 3 POPs)
Substances in groups where single substances are present in 3 PRTR-Systems

Pollutant		Covered by PRTR?					
CAS Number	Pollutant Name	Australia NPI	Canada NPRI	EU E-PRTR	Kiev Protocol	Japan PRTR	US TRI
Persistent Organic Pollutants (POPs)							
	Pesticides						
309-00-2	Aldrin			x	x		x
57-74-9	Chlordane			x	x		x
50-29-3	DDT / 1,1,1-trichloro-2,2-bis(4-chlorophenyl)ethane			x	x		
60-57-1	Dieldrin			x	x		
72-20-8	Endrin			x	x		
76-44-8	Heptachlor			x	x		x
2385-85-5	Mirex			x	x		
8001-35-2	Toxaphene			x	x		x
319-84-6	alpha-hexachlorocyclohexane						x
319-85-7	beta-hexachlorocyclohexane						
58-89-9	Lindane (E-PRTR) / gamma-hexachlorocyclohexane / Lindane [Cyclohexane, 1,2,3,4,5,6-hexachloro-,(1.alpha.,2.alpha.,3.beta.,4.alpha.,5.alpha.,6.beta.)-] (USA)			x	x		x
143-50-0	Chlordecone			x	x		
608-93-5	Pentachlorobenzene			x	x		x
	Industrial chemicals						
118-74-1	Hexachlorobenzene (HCB)	x	x	x	x		x
1336-36-3	Polychlorinated biphenyls (PCBs)	x		x	x	x	x
36355-01-8	Hexabromobiphenyl / USA: listed in TRI as member of Polybrominated Biphenyls (PBBs)			x			*
68631-49-2	2,2',4,4',5,5'-hexabromodiphenyl ether (BDE-153), as Hexabromodiphenyl ether and heptabromodiphenyl ether (commercial octabromodiphenyl ether)						
207122-15-4	2,2',4,4',5,6'-hexabromodiphenyl ether (BDE-154), as Hexabromodiphenyl ether and heptabromodiphenyl ether (commercial octabromodiphenyl ether)						
446255-22-7	2,2',3,3',4,5',6-heptabromodiphenyl ether (BDE-175), as Hexabromodiphenyl ether and heptabromodiphenyl ether (commercial octabromodiphenyl ether)						
207122-16-5	2,2',3,4,4',5',6-heptabromodiphenyl ether (BDE-183), as Hexabromodiphenyl ether and heptabromodiphenyl ether (commercial octabromodiphenyl ether)						
5436-43-1	Tetrabromodiphenyl ether, as Tetrabromodiphenyl ether and pentabromodiphenyl ether (commercial pentabromodiphenyl ether)						
60348-60-9	Pentabromodiphenyl ether, as Tetrabromodiphenyl ether and pentabromodiphenyl ether (commercial pentabromodiphenyl ether)						
LCL-1	Perfluorooctane sulfonic acid (PFOS), its salts and perfluorooctane sulfonyl fluoride (PFOS-F) / Jpn: perfluoro(octane-1-sulfonic acid)					x	
	Polychlorinated dioxins and furans						
LCL-2	Dioxins and furans / Polychlorinated dioxins and furans (as TEQ) / Dioxin and Dioxin-Like Compounds (Cdn: Facilities are required to report to the NPRI on individual dioxin and furan congeners in grams, unless information is not available. In this case, facilities are required to report on total dioxins and furans in grams toxic equivalent (I-TEQ))	x	*	x	x		x
LCL-3	Dioxins (Jpn: in accordance with WHO: The chemical name for dioxin is: 2,3,7,8- tetrachlorodibenzo para dioxin (TCDD). The name "dioxins" is often used for the family of structurally and chemically related polychlorinated dibenzo para dioxins (PCDDs) and polychlorinated dibenzofurans (PCDFs). Certain dioxin-like polychlorinated biphenyls (PCBs) with similar toxic properties are also included under the term “dioxins”. Some 419 types of dioxin-related compounds have been identified but only about 30 of these are considered to have significant toxicity, with TCDD being the most toxic.					x	
67562-39-4	1,2,3,4,6,7,8-Heptachlorodibenzofuran (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category		x				x
55673-89-7	1,2,3,4,7,8,9-Heptachlorodibenzofuran (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category		x				x
35822-46-9	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category		x				x
70648-26-9	1,2,3,4,7,8-Hexachlorodibenzofuran (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category		x				x
72918-21-9	1,2,3,7,8,9-Hexachlorodibenzofuran (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category		x				x
57117-44-9	1,2,3,6,7,8-Hexachlorodibenzofuran (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category		x				x
60851-34-5	2,3,4,6,7,8-Hexachlorodibenzofuran (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category		x				x
39227-28-6	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category		x				x
19408-74-3	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category		x				x
57653-85-7	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category		x				x
39001-02-0	Octachlorodibenzofuran (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category		x				x

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Pollutant		Covered by PRTR?					
CAS Number	Pollutant Name	Australia NPI	Canada NPRI	EU E-PRTR	Kiev Protocol	Japan PRTR	US TRI
3268-87-9	Octachlorodibenzo-p-dioxin (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category		x				x
57117-31-4	2,3,4,7,8-Pentachlorodibenzofuran (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category		x				x
57117-41-6	1,2,3,7,8-Pentachlorodibenzofuran (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category		x				x
40321-76-4	1,2,3,7,8-Pentachlorodibenzo-p-dioxin (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category		x				x
51207-31-9	2,3,7,8-Tetrachlorodibenzofuran (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category		x				x
1746-01-6	2,3,7,8-Tetrachlorodibenzo-p-dioxin (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category		x				x
Metals							
	Antimony and its compounds						
7440-36-0	Antimony						x
LCL-4	Antimony Compounds						x
LCL-5	Antimony and its compounds	x	x			x	
	Arsenic and its compounds						
7440-38-2	Arsenic						x
LCL-6	Arsenic Compounds						x
LCL-7	Arsenic and its compounds / Arsenic and compounds (as As)	x	x	x	x	x	
	Boron and its compounds						
LCL-8	Boron & compounds / boron and its compounds /Jpn: Boron compounds	x				x	
10294-34-5	Boron trichloride						x
7637-07-2	Boron trifluoride		x				x
	Cadmium and its compounds						
7440-43-9	Cadmium						x
LCL-9	Cadmium Compounds						x
LCL-10	Cadmium and its compounds / Cadmium and compounds (as Cd)	x	x	x	x	x	
	Chromium and its compounds						
LCL-11	Chromium and compounds (as Cr) (E-PRTR: total mass in all chemical forms)			x	x		
7440-47-3	Chromium						x
LCL-12	Chromium Compounds (except chromite ore mined in the Transvaal region)						x
LCL-13	Chromium (and its compounds), excludes hexavalent chromium (and its compounds)		x				
LCL-14	Chromium III compounds / chromium and chromium(III) compounds	x				x	
LCL-15	Chromium VI compounds / Hexavalent chromium (and its compounds)	x	x			x	
	Cobalt and its compounds						
7440-48-4	Cobalt						x
LCL-16	Cobalt Compounds						x
LCL-17	Cobalt and its compounds	x	x			x	
	Copper and its compounds						
7440-50-8	Copper						x
LCL-18	Copper Compounds						x
LCL-19	Copper and its compounds / Copper and compounds (as Cu) / (Jpn: copper salts (water-soluble, except complex salts))	x	x	x	x	x	
10380-28-6	bis(8-quinolinolato)copper (USA: included as "copper compound")					x	*
	Lead and its compounds						
7439-92-1	Lead (USA: when lead is contained in stainless steel, brass or bronze alloys the de minimis level is 0.1)					x	x
LCL-20	Lead Compounds					x	x
LCL-21	Lead and its compounds / Lead and compounds as (Pb)	x		x	x		
LCL-22	Lead and its compounds except tetraethyl lead		x				
78-00-2	Tetraethyl lead (USA: included as "lead compound")		x				*
	Manganese and its compounds						
7439-96-5	Manganese						x
LCL-23	Manganese Compounds						x
LCL-24	Manganese and its compounds	x	x			x	
	Mercury and its compounds						
7439-97-6	Mercury						x
LCL-25	Mercury Compounds						x
LCL-26	Mercury and its compounds / Mercury and compounds (as Hg)	x	x	x	x	x	
	Nickel and its compounds						
7440-02-0	Nickel					x	x
LCL-27	Nickel Compounds					x	x
LCL-28	Nickel and its compounds / Nickel and compounds (as Ni)	x	x	x	x		
12035-72-2	Nickel subsulfide (USA and Canada: included as "nickel compound")	x	*				*
13463-39-3	Nickel carbonyl (USA and Canada: included as "nickel compound")	x	*				*
	Selenium and its compounds						
7782-49-2	Selenium						x
LCL-29	Selenium Compounds						x
LCL-30	Selenium and its compounds	x	x			x	
	Zinc and its compounds						
7440-66-6	Zinc (fume or dust)						x
LCL-31	Zinc Compounds						x
LCL-32	Zinc and its compounds / Zinc and compounds (as Zn) / zinc compounds (water-soluble) (Jpn)	x	x	x	x	x	

Pollutant		Covered by PRTR?					
CAS Number	Pollutant Name	Australia NPI	Canada NPRI	EU E-PRTR	Kiev Protocol	Japan PRTR	US TRI
137-30-4	zinc bis(N,N'-dimethyldithiocarbamate) (USA: included as "zinc compound") / ziram					x	*
12122-67-7	Zineb [Carbamodithioic acid, 1,2-ethanediyibis-, zinc complex]						x
12071-83-9	polymer of N,N'-propylenebis(dithiocarbamic acid)and zinc / propineb					x	
64440-88-6	N,N'-ethylenebis(thiocarbamoylthiozinc) bis(N,N-dimethyldithiocarbamate) or polymer of N,N'-propylenebis(dithiocarbamic acid) and zinc (USA: included as "zinc compound")					x	*
	Beryllium and its compounds						
7440-41-7	Beryllium						x
LCL-33	Beryllium Compounds						x
LCL-34	Beryllium and its compounds	x				x	
	Silver and its compounds						
7440-22-4	Silver						x
LCL-35	Silver Compounds						x
LCL-36	Silver and its compounds / Jpn: water-soluble compounds		x			x	
	Vanadium and its compounds						
7440-62-2	Vanadium (except when contained in an alloy)		x				x
LCL-37	Vanadium compounds					x	x
	Aluminum and compounds						
7429-90-5	Aluminum (fume or dust)		x				x
1344-28-1	Aluminum oxide (fibrous forms)		x				x
20859-73-8	Aluminum phosphide					x	x
	Barium and its compounds						
7440-39-3	Barium						x
LCL-38	Barium Compounds (USA: excl. Barium sulfate CAS Number 7727-43-7)						x
	Indium and its compounds						
LCL-39	Indium and its compounds					x	
	Iron and its compounds						
7705-08-0	ferric chloride					x	
13463-40-6	Iron pentacarbonyl		x				x
	Lithium and its compounds						
554-13-2	Lithium carbonate		x				x
	Magnesium and its compounds						
1309-48-4	Magnesium oxide fume	x					
	Molybdenum and its compounds						
LCL-40	Molybdenum and its compounds					x	
1313-27-5	Molybdenum trioxide		x				x
	Osmium and its compounds						
20816-12-0	Osmium tetroxide						x
	Thallium and its compounds						
7440-28-0	Thallium						x
LCL-41	Thallium Compounds						x
	Titanium tetrachloride						
7550-45-0	Titanium tetrachloride		x				x
	Zirconium						
7699-43-6	zirconium dichloride oxide					x	
Inorganic substances							
	Asbestos						
1332-21-4	Asbestos / Cdn, USA: Asbestos (friable)		x	x	x	x	x
	Cyanides (as total CN)						
LCL-42	Cyanides (as total CN) (E-PRTR) / Cyanide compounds (X+CN- where X = H+ or any other group where a formal dissociation can be made) (USA) / Cyanide (inorganic) compounds (Aus) / inorganic cyanide compounds (except complex salts and cyanates) (Japan) / Cyanides (ionic) (Cdn)	x	x	x	x	x	x
74-90-8	Hydrogen cyanide		x	x	x		x
	Fluorides (as total F)						
LCL-43	Fluorides (as total F) / Jpn: hydrogen fluoride and its water-soluble salts			x	x	x	
LCL-44	Fluoride compounds	x					
7664-39-3	Hydrogen fluoride		x				x
7681-49-4	Sodium fluoride		x				
7789-75-5	Calcium fluoride		x				
	Phosphorus						
LCL-45	Phosphorus (total)	x		x	x		
LCL-46	Phosphorus (total, excluding yellow or white phosphorus)		x				
7723-14-0	Phosphorus (yellow, white)		x				x
	Nitrate						
LCL-47	Nitrate Compounds (water dissociable; reportable only when in aqueous solution)						x
LCL-48	nitrate ion in solution at ph >= 6.0		x				
7697-37-2	Nitric Acid	x	x				x
	Particulate matter						
LCL-49	PM - Total Particulate Matter (Canada: Particulate matter with a diameter less than 100 micrometres)		x				
LCL-50	PM10 - Particulate matter	x	x	x	x		
LCL-51	PM2.5 - Particulate Matter <= 2.5 Microns	x	x				
	Sulfate						
7664-93-9	Sulfuric acid / Sulfuric acid (acid aerosols including mists, vapors, gas, fog, and other airborne forms of any particle size) (USA)	x	x				x
	Chloride (as Cl-)						
LCL-52	Chlorides (as total Cl)			x	x		
	Nitrite						

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Pollutant		Covered by PRTR?					
CAS Number	Pollutant Name	Australia NPI	Canada NPRI	EU E-PRTR	Kiev Protocol	Japan PRTR	US TRI
7632-00-0	Sodium nitrite		x				x
	Potassium bromate						
07758-01-2	Potassium bromate		x				x
	Phosphoric acid						
7664-38-2	Phosphoric acid	x					
	Sodium azide						
26628-22-8	Sodium azide					x	x
	Thorium dioxide						
1314-20-1	Thorium dioxide		x				x
	Total Nitrogen						
LCL-53	Total nitrogen	x		x	x		
	Total Sulphur						
LCL-54	Total Reduced Sulphur (TRS) (Total of hydrogen sulphide, carbon disulphide, carbonyl sulphide, dimethyl sulphide, dimethyl disulphide and methyl mercaptan, expressed as hydrogen sulphide)		x				
Chlorinated and brominated organic substances							
	Chlorinated ethanes and propanes						
107-06-2	1,2-Dichloroethane	x	x	x	x	x	x
75-00-3	Chloroethane	x	x				x
79-00-5	1,1,2-Trichloroethane	x	x			x	x
71-55-6	1,1,1-trichloroethane			x	x	x	x
79-34-5	1,1,2,2-Tetrachloroethane	x	x	x	x		x
630-20-6	1,1,1,2-Tetrachloroethane		x				x
75-34-3	Ethylidene dichloride (1,1-Dichloroethane)						x
76-01-7	Pentachloroethane		x				x
67-72-1	Hexachloroethane		x				x
78-87-5	1,2-Dichloropropane		x			x	x
96-18-4	1,2,3-Trichloropropane					x	x
	Chlorinated ethenes and propenes						
75-01-4	Vinyl chloride (Chloroethylene)	x	x	x	x	x	x
79-01-6	Trichloroethylene	x	x	x	x	x	x
127-18-4	Tetrachloroethylene	x	x	x	x	x	x
75-35-4	Vinylidene chloride (1,1-dichloroethylene)		x			x	x
107-05-1	Allyl chloride (3-chloropropene)		x			x	x
563-47-3	3-Chloro-2-methyl-1-propene		x			x	x
156-59-2	cis-1,2-dichloroethylene					x	
540-59-0	1,2-Dichloroethylene						x
542-75-6	1,3-Dichloropropylene / D-D					x	x
78-88-6	2,3-dichloropropene						x
10061-02-6	trans-1,3-dichloropropene						x
	Chlorinated methanes						
75-09-2	Dichloromethane / methylene dichloride	x	x	x	x	x	x
67-66-3	Trichloromethane / Chloroform	x	x	x	x	x	x
56-23-5	Tetrachloromethane / Carbon tetrachloride		x	x	x	x	x
74-87-3	Chloromethane / methyl chloride		x			x	x
	Chlorobenzenes						
108-90-7	Chlorobenzene		x			x	x
95-50-1	o-Dichlorobenzene; 1,2-Dichlorobenzene		x				x
106-46-7	p-Dichlorobenzene; 1,4-Dichlorobenzene		x				x
541-73-1	1,3-Dichlorobenzene						x
25321-22-6	Dichlorobenzene (mixed isomers)					x	x
12002-48-1	Trichlorobenzenes			x	x	x	
120-82-1	1,2,4-Trichlorobenzene		x				x
	Brominated diphenylethers (PBDE)						
1163-19-5	Decabromodiphenyl ether		x			x	x
LCL-55	Brominated diphenylethers (PBDE) (total mass of penta-BDE, octa-BDE and deca-BDE)			x	x		
	Short Chain Chlorinated Paraffins (SCCPs)						
85535-84-8	Chloro-alkanes (C10-C13) / Polychlorinated alkanes (C10 to C13) / Alkanes, C10-13, chloro		x	x	x	x	x
LCL-56	Alkanes, C6-18, chloro (**attention**: short chain: only <C14!)		x				
	Brominated VOC						
75-25-2	Bromoform (Tribromomethane)						x
74-95-3	Methylene bromide						x
124-48-1	dibromochloromethane					x	
75-27-4	Dichlorobromomethane / bromodichloromethane					x	x
106-93-4	1,2-Dibromoethane	x					x
107-04-0	1-Bromo-2-chloroethane		x				
106-94-5	1-bromopropane					x	
75-26-3	2-bromopropane					x	
593-60-2	Vinyl bromide						x
	Chlorinated toluenes and phenols						
95-57-8	o-chlorophenol					x	
106-48-9	p-chlorophenol					x	
95-73-8	2,4-dichlorotoluene					x	
87-86-5	Pentachlorophenol (PCP)			x	x	x	x
LCL-57	Chlorophenols (di, tri, tetra) (Aus) / Chlorophenols Cl 1-5 (USA)	x					x
120-83-2	2,4-Dichlorophenol / Cdn: 2,4-Dichlorophenol (and its salts)		x				x
88-06-2	2,4,6-Trichlorophenol					x	x
95-95-4	2,4,5-Trichlorophenol						x
95-49-8	o-chlorotoluene					x	
106-43-4	p-chlorotoluene					x	
131-52-2	Sodium pentachlorophenate						x
98-87-3	Benzal chloride (Benzylidene dichloride)						x
98-88-4	Benzoyl chloride		x				x
100-44-7	Benzyl chloride		x			x	x
611-19-8	1-chloro-2-(chloromethyl)benzene					x	
59-50-7	4-chloro-3-methylphenol					x	
98-07-7	Benzoic trichloride (Benzylidyne trichloride)					x	x

Pollutant		Covered by PRTR?					
CAS Number	Pollutant Name	Australia NPI	Canada NPRI	EU E-PRTR	Kiev Protocol	Japan PRTR	US TRI
	Chlorendic acid						
115-28-6	Chlorendic acid (1,4,5,6,7,7-hexachlorobicyclo[2.2.1]-5-heptene-2,3-dicarboxylic acid)		x				x
	Chlorinated carboxylic acids & carboxylic acid esters						
79-11-8	Chloroacetic acid (Japan, USA) / Chloroacetic acid (and its salts) (Cdn)		x			x	x
76-03-9	trichloroacetic acid					x	
76-02-8	Trichloroacetyl chloride						x
598-78-7	2-chloropropionic acid					x	
105-39-5	ethyl chloroacetate					x	
	Bis(2-chloro-1-methylethyl) ether						
108-60-1	Bis(2-chloro-1-methylethyl) ether						x
	Bis(2-chloroethoxy)methane						
111-91-1	Bis(2-chloroethoxy)methane						x
	Chloroanilines						
95-51-2	o-chloroaniline						
106-47-8	p-chloroaniline						x
LCL-58	chloroaniline					x	
LCL-59	dichloroaniline					x	
95-69-2	p-chloro-o-toluidine						x
	Chloroprene						
126-99-8	Chloroprene						x
	Chlorinated butenes						
110-57-6	Trans-1,4-dichloro-2-butene						x
764-41-0	1,4-dichloro-2-butene						x
	Chloronaphthalenes						
1335-87-1	Hexachloronaphthalene						x
2234-13-1	Octachloronaphthalene						x
	3-Chloropropionitrile						
542-76-7	3-Chloropropionitrile		x				x
	Dimethylcarbamyl chloride						
79-44-7	Dimethylcarbamyl chloride						x
	Dimethyl chlorothiophosphate						
2524-03-0	Dimethyl chlorothiophosphate						x
	2,2-dibromo-2-cyanoacetamide						
10222-01-2	2,2-dibromo-2-cyanoacetamide (Jpn) / 2,2-Dibromo-3-nitrilopropionamide (USA: on TRI list, but reporting requirements currently suspended)					x	x
	Halogenated organic compounds						
LCL-60	Halogenated organic compounds (as AOX)			x	x		
	Hexachlorobutadiene (HCBD)						
87-68-3	Hexachlorobutadiene (HCBD)			x	x		x
	Hexachlorocyclopentadiene						
77-47-4	Hexachlorocyclopentadiene		x				x
	Perchloromethyl mercaptan						
594-42-3	Perchloromethyl mercaptan						x
	2,2-bis(Bromomethyl)-1,3-propanediol						
3296-90-0	2,2-bis(Bromomethyl)-1,3-propanediol (added to TRI for RY2011)						x
	Polybrominated biphenyls (PBBs)						
LCL-61	Polybrominated biphenyls						x
	Tetrabromobisphenol A (TBBPA)						
79-94-7	Tetrabromobisphenol A (TBBPA)						x
	Tris(2,3-dibromoproyl)phosphate						
126-72-7	Tris(2,3-dibromoproyl)phosphate						x
	Vinyl Fluoride						
75-02-5	Vinyl Fluoride (added to TRI for RY2011)						x
	Tetrafluoroethylene						
116-14-3	Tetrafluoroethylene (USA: added to TRI for RY2011)						x
Ozone depleting substances							
	Hydrochlorofluorocarbons (HCFCs)						
LCL-62	Hydrochlorofluorocarbons (HCFCs) (E-PRTR: Total mass of substances including their isomers listed in Group VIII of Annex I to Regulation (EC) No 2037/2000 of the European Parliament and of the Council of 29 June 2000 on substances that deplete the ozone layer (OJ L 244, 29.9.2000, p. 1). Regulation as amended by Regulation (EC) No 1804/2003 (OJ L 265, 16.10.2003, p. 1))			x	x		
75-43-4	HCFC-21, Dichlorofluoromethane					x	x
75-45-6	HCFC-22, Chlorodifluoromethane, Difluoromonochloromethane		x			x	x
354-14-3	HCFC-121, 1,1,2,2-Tetrachloro-1-fluoroethane						x
354-11-0	HCFC 121a, 1,1,1,2-Tetrachloro-2-Fluoroethane						x
41834-16-6	HCFC-122 (all isomers) / (Cdn: total of all isomers, including, but not limited to, isomers with CAS RN 354-12-1, 354-15-4 and 354-21-2)		x				
34077-87-7	Dichlorotrifluoroethane / (Cdn: Total of all isomers, including, but not limited to, isomers with CAS RN 306-83-2, 354-23-4, 812-04-4 and 90454-18-5)		x			x	x
306-83-2	HCFC-123 and all isomers, Dichlorotrifluoroethane / Jpn: HCFC-123 / 2,2-dichloro-1,1,1-trifluoroethane / (Cdn: listed on the NPRI with CAS 34077-87-7)		*			x	x
354-23-4	HCFC-123a, 1,2-Dichloro-1,1,2-Trifluoroethane / (Cdn: listed on the NPRI with CAS 34077-87-7)		*				x
812-04-4	HCFC-123b, 1,1-Dichloro-1,2,2-Trifluoroethane / (Cdn: listed on the NPRI with CAS 34077-87-7)		*				x
90454-18-5	Dichloro-1,1,2-trifluoroethane / (Cdn: listed on the NPRI with CAS 34077-87-7)		*				x

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Pollutant		Covered by PRTR?					
CAS Number	Pollutant Name	Australia NPI	Canada NPRI	EU E-PRTR	Kiev Protocol	Japan PRTR	US TRI
63938-10-3	Chlorotetrafluoroethane / Cdn: total of all isomers, including, but not limited to, isomers with CAS RN 76-14-2, 354-25-6, 374-07-2 and 2837-89-0		x				x
354-25-6	1-Chloro-1,1,2,2-tetrafluoroethane (HCFC-124a) / (Cdn: listed on the NPRI with CAS 63938-10-3)		*				x
2837-89-0	2-Chloro-1,1,1,2-tetrafluoroethane (HCFC-124) / (Cdn: listed on the NPRI with CAS 63938-10-3)		*			x	x
1649-08-7	1,2-Dichloro-1,1-Difluoroethane, HCFC 132b						x
75-88-7	2-Chloro-1,1,1-Trifluoroethane (HCFC-133a)						x
1717-00-6	HCFC-141b / 1,1-dichloro-1-fluoroethane		x			x	x
75-68-3	HCFC-142b / 1-chloro-1,1-difluoroethane		x			x	x
127564-92-5	Dichloropentafluoropropane					x	x
128903-21-9	2,2-Dichloro-1,1,1,3,3-pentafluoropropane (HCFC-225aa)						x
422-44-6	1,2-Dichloro-1,1,2,3,3-Pentafluoropropane						x
422-48-0	2,3-Dichloro-1,1,1,2,3-Pentafluoropropane						x
422-56-0	3,3-Dichloro-1,1,1,2,2-Pentafluoropropane						x
431-86-7	1,2-Dichloro-1,1,3,3,3-Pentafluoropropane						x
507-55-1	1,3-Dichloro-1,1,2,2,3-Pentafluoropropane						x
13474-88-9	1,1-Dichloro-1,2,2,3,3-Pentafluoropropane						x
111512-56-2	1,1-Dichloro-1,2,3,3,3-Pentafluoropropane						x
460-35-5	HCFC 253, 3-Chloro-1,1,1-Trifluoropropane						x
431-07-2	Chlorotrifluoroethane (HCFC-133)					x	
	Chlorofluorocarbon (CFCs)						
LCL-63	Chlorofluorocarbons (CFCs) (E-PRTR: Total mass of substances including their isomers listed in Group I and II of Annex I to Regulation (EC) No 2037/2000)			x	x		
75-69-4	CFC-11, Trichlorofluoromethane		x			x	x
75-71-8	CFC-12, Dichlorodifluoromethane		x			x	x
76-13-1	CFC-113, trichlorotrifluoroethane / USA: Freon 113 [Ethane, 1,1,2-trichloro-1,2,2,-trifluoro-]					x	x
76-14-2	CFC-114, Dichlorotetrafluoroethane		x			x	x
76-15-3	CFC-115, Monochloropentafluoroethane		x			x	x
75-72-9	CFC-13, Chlorotrifluoromethane		x			x	x
LCL-64	CFC-112, Tetrachlorodifluoroethane					x	
	Halons						
LCL-65	Halons (E-PRTR: Total mass of substances including their isomers listed in Group III and VI of Annex I to Regulation (EC) No 2037/2000)			x	x		
353-59-3	Halon 1211, Bromochlorodifluoromethane		x			x	x
75-63-8	Halon 1301, Bromotrifluoromethane		x			x	x
124-73-2	Dibromotetrafluoroethane (Halon 2402)					x	x
74-83-9	Bromomethane (Methyl bromide)		x			x	x
Greenhouse gases (GHGs)							
	Carbon dioxide (CO2)						
124-38-9	Carbon dioxide / Aus: The Australian National Greenhouse Gas Accounts are published annually by the Australian Government. The national inventory forms the foundation for Australia's efforts to address climate change. By identifying and reporting emissions sources and sinks, and changes in these over time, the inventory provides information fundamental to the development of domestic mitigation policies and programmes, while also tracking Australia's progress towards meeting international commitments. / Cdn: Greenhouse gas emissions are reported to Canada's Greenhouse Gas Emissions Reporting Program (GHGRP), a complementary program to the NPRI, Canada's PRTR. /	*	*	x	x	*	*
	Jpn: Japan has the program to mandate entities that emit considerably large amount of greenhouse gases (GHGs) to account and report their emissions to the government annually. The government publicizes the reported data based on the Act on Promotion of Global Warming Countermeasures since 2006. In addition, the government develops national greenhouse gas inventory and reports it every year to the UNFCCC secretariat under the UNFCCC and the Kyoto Protocol. / USA: The U.S. EPA's TRI Program does not collect release or other waste management quantities of GHGs. However, the U.S. EPA's Office of Air and Radiation (OAR) recently implemented regulations which requires reporting of GHG data and other relevant information from large sources and suppliers in the United States. These data and information will be made available to the public.						
	Methane (CH4)						
74-82-8	Methane / Aus: The Australian National Greenhouse Gas Accounts are published annually by the Australian Government. The national inventory forms the foundation for Australia's efforts to address climate change. By identifying and reporting emissions sources and sinks, and changes in these over time, the inventory provides information fundamental to the development of domestic mitigation policies and programmes, while also tracking Australia's progress towards meeting international commitments. / Cdn: Greenhouse gas emissions are reported to Canada's Greenhouse Gas Emissions Reporting Program (GHGRP), a complementary program to the NPRI, Canada's PRTR. /	*	*	x	x	*	*

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Pollutant		Covered by PRTR?					
CAS Number	Pollutant Name	Australia NPI	Canada NPRI	EU E-PRTR	Kiev Protocol	Japan PRTR	US TRI
	Jpn: Japan has the program to mandate entities that emit considerably large amount of greenhouse gases (GHGs) to account and report their emissions to the government annually. The government publicizes the reported data based on the Act on Promotion of Global Warming Countermeasures since 2006. In addition, the government develops national greenhouse gas inventory and reports it every year to the UNFCCC secretariat under the UNFCCC and the Kyoto Protocol. / USA: The U.S. EPA's TRI Program does not collect release or other waste management quantities of GHGs. However, the U.S. EPA's Office of Air and Radiation (OAR) recently implemented regulations which requires reporting of GHG data and other relevant information from large sources and suppliers in the United States. These data and information will be made available to the public.						
	Nitrous oxide (N2O)						
10024-97-2	Nitrous oxide / Aus: The Australian National Greenhouse Gas Accounts are published annually by the Australian Government. The national inventory forms the foundation for Australia's efforts to address climate change. By identifying and reporting emissions sources and sinks, and changes in these over time, the inventory provides information fundamental to the development of domestic mitigation policies and programmes, while also tracking Australia's progress towards meeting international commitments. / Cdn: Greenhouse gas emissions are reported to Canada's Greenhouse Gas Emissions Reporting Program (GHGRP), a complementary program to the NPRI, Canada's PRTR. /	*	*	x	x	*	*
	Jpn: Japan has the program to mandate entities that emit considerably large amount of greenhouse gases (GHGs) to account and report their emissions to the government annually. The government publicizes the reported data based on the Act on Promotion of Global Warming Countermeasures since 2006. In addition, the government develops national greenhouse gas inventory and reports it every year to the UNFCCC secretariat under the UNFCCC and the Kyoto Protocol. / USA: The U.S. EPA's TRI Program does not collect release or other waste management quantities of GHGs. However, the U.S. EPA's Office of Air and Radiation (OAR) recently implemented regulations which requires reporting of GHG data and other relevant information from large sources and suppliers in the United States. These data and information will be made available to the public.						
	Hydrofluorocarbons (HFCs)						
LCL-66	Hydrofluorocarbons (HFCs) (E-PRTR: Total mass of hydrogen fluorocarbons: sum of HFC23, HFC32, HFC41, HFC4310mee, HFC125, HFC134, HFC134a, HFC152a, HFC143, HFC143a, HFC227ea, HFC236fa, HFC245ca, HFC365mfc) / Aus: The Australian National Greenhouse Gas Accounts are published annually by the Australian Government. The national inventory forms the foundation for Australia's efforts to address climate change. By identifying and reporting emissions sources and sinks, and changes in these over time, the inventory provides information fundamental to the development of domestic mitigation policies and programmes, while also tracking Australia's progress towards meeting international commitments. / Cdn: Greenhouse gas emissions are reported to Canada's Greenhouse Gas Emissions Reporting Program (GHGRP), a complementary program to the NPRI, Canada's PRTR. /	*	*	x	x	*	*
	Jpn: Japan has the program to mandate entities that emit considerably large amount of greenhouse gases (GHGs) to account and report their emissions to the government annually. The government publicizes the reported data based on the Act on Promotion of Global Warming Countermeasures since 2006. In addition, the government develops national greenhouse gas inventory and reports it every year to the UNFCCC secretariat under the UNFCCC and the Kyoto Protocol. / USA: The U.S. EPA's TRI Program does not collect release or other waste management quantities of GHGs. However, the U.S. EPA's Office of Air and Radiation (OAR) recently implemented regulations which requires reporting of GHG data and other relevant information from large sources and suppliers in the United States. These data and information will be made available to the public.						
	Perfluorocarbons (PFCs)						
LCL-67	Perfluorocarbons (PFCs) (E-PRTR: Total mass of perfluorocarbons: sum of CF4, C2F6, C3F8, C4F10, c-C4F8, C5F12, C6F14) / Aus: The Australian National Greenhouse Gas Accounts are published annually by the Australian Government. The national inventory forms the foundation for Australia's efforts to address climate change. By identifying and reporting emissions sources and sinks, and changes in these over time, the inventory provides information fundamental to the development of domestic mitigation policies and programmes, while also tracking Australia's progress towards meeting international commitments. / Cdn: Greenhouse gas emissions are reported to Canada's Greenhouse Gas Emissions Reporting Program (GHGRP), a complementary program to the NPRI, Canada's PRTR. /	*	*	x	x	*	*

Long Chemical List

Pollutant		Covered by PRTR?					
CAS Number	Pollutant Name	Australia NPI	Canada NPRI	EU E-PRTR	Kiev Protocol	Japan PRTR	US TRI
	Jpn: Japan has the program to mandate entities that emit considerably large amount of greenhouse gases (GHGs) to account and report their emissions to the government annually. The government publicizes the reported data based on the Act on Promotion of Global Warming Countermeasures since 2006. In addition, the government develops national greenhouse gas inventory and reports it every year to the UNFCCC secretariat under the UNFCCC and the Kyoto Protocol. / USA: The U.S. EPA's TRI Program does not collect release or other waste management quantities of GHGs. However, the U.S. EPA's Office of Air and Radiation (OAR) recently implemented regulations which requires reporting of GHG data and other relevant information from large sources and suppliers in the United States. These data and information will be made available to the public.						
	Sulphur hexafluoride (SF6)						
2551-62-4	Sulphur hexafluoride (SF6) / Aus: The Australian National Greenhouse Gas Accounts are published annually by the Australian Government. The national inventory forms the foundation for Australia's efforts to address climate change. By identifying and reporting emissions sources and sinks, and changes in these over time, the inventory provides information fundamental to the development of domestic mitigation policies and programmes, while also tracking Australia's progress towards meeting international commitments. / Cdn: Greenhouse gas emissions are reported to Canada's Greenhouse Gas Emissions Reporting Program (GHGRP), a complementary program to the NPRI, Canada's PRTR. /	*	*	x	x	*	*
	Jpn: Japan has the program to mandate entities that emit considerably large amount of greenhouse gases (GHGs) to account and report their emissions to the government annually. The government publicizes the reported data based on the Act on Promotion of Global Warming Countermeasures since 2006. In addition, the government develops national greenhouse gas inventory and reports it every year to the UNFCCC secretariat under the UNFCCC and the Kyoto Protocol. / USA: The U.S. EPA's TRI Program does not collect release or other waste management quantities of GHGs. However, the U.S. EPA's Office of Air and Radiation (OAR) recently implemented regulations which requires reporting of GHG data and other relevant information from large sources and suppliers in the United States. These data and information will be made available to the public.						
Other gases							
	Ammonia						
7664-41-7	Ammonia (NH3) (E-PRTR) / Ammonia ((includes anhydrous ammonia and aqueous ammonia from water dissociable ammonium salts and other sources; 10 percent of total aqueous ammonia is reportable under this listing) (USA)			x	x		x
LCL-68	Ammonia (Total)	x	x				
	Chlorine and inorganic compounds (as HCl)						
7782-50-5	Chlorine		x				x
LCL-69	Chlorine & compounds / Chlorine and inorganic compounds (as HCl)	x		x	x		
7647-01-0	Hydrochloric acid / USA: Hydrochloric acid (acid aerosols including mists, vapors, gas, fog, and other airborne forms of any particle size)	x	x				x
	Ethylene oxide						
75-21-8	Ethylene oxide	x	x	x	x	x	x
	Bromine						
7726-95-6	Bromine		x			x	x
	Chlorine dioxide						
10049-04-4	Chlorine dioxide	x	x				x
	Carbon monoxide						
630-08-0	Carbon monoxide	x	x	x	x		
	Fluorine and inorganic compounds (as HF)						
7782-41-4	Fluorine		x				x
LCL-70	Fluorine and inorganic compounds (as HF)			x	x		
	Hydrogen sulfide						
7783-06-4	Hydrogen sulfide (USA: on TRI list, but reporting requirements currently suspended)	x	x				x
	Nitrogen oxides						
11104-93-1	Oxides of nitrogen (expressed as NO2) / Nitrogen oxides (NOx/NO2)	x	x	x	x		
	Sulphur oxides (SOx/SO2)						
2025-88-4	Sulphur oxides (SOx/SO2) / Sulfur dioxide	x	x	x	x		
	water-soluble salts of bromic acid						
LCL-71	water-soluble salts of bromic acid					x	
	Hydrocarbons (gases)						
74-85-1	Ethylene		x				x
74-86-2	Acetylene		x				
74-98-6	Propane		x				
115-07-1	Propylene		x				x
LCL-72	Butane (all isomers)		x				
25167-67-3	Butene (all isomers)		x				
	Mustard						
505-60-2	Mustard Gas						x
51-75-2	Nitrogen mustard / [2-Chloro-N-(2-chloroethyl)-Nmethylethanamine]						x
	Diazomethane						
334-88-3	Diazomethane						x
	Ozone						

Pollutant		Covered by PRTR?					
CAS Number	Pollutant Name	Australia NPI	Canada NPRI	EU E-PRTR	Kiev Protocol	Japan PRTR	US TRI
10028-15-6	Ozone						x
	Sulfuryl fluoride						
2699-79-8	Sulfuryl fluoride						x
	Phosphine						
7803-51-2	Phosphine						x
Polycyclic aromatic hydrocarbons (PAHs)							
	Polycyclic aromatic hydrocarbons (PAHs)						
LCL-73	Polycyclic aromatic hydrocarbons (B[a]Peq)	x					
LCL-74	Polycyclic aromatic hydrocarbons (PAHs) as benzo(a)pyrene (50-32-8), benzo(b)-fluoranthene (205-99-2), benzo(k)fluoranthene (207-08-9), indeno(1,2,3-cd)pyrene (193-39-5)			x	x		
LCL-75	Polycyclic aromatic compounds (PACs) / Cdn: Canada currently requires reporting on 32 PAHs: 29 as "Part 2" substances (with mandatory reporting triggered at 50 kilograms overall, with individual PAHs reportable at a 5 kilogram threshold); two commercial chemicals, anthracene and naphthalene, listed as "Part 1A" substances at a higher threshold; and creosote listed as a speciated VOC, under "Part 5" of the NPRI substance list.		*				x
56-55-3	Benzo(a)anthracene (USA: included in the Polycyclic aromatic compounds (PACs) category)		x				x
205-99-2	Benzo(b)fluoranthene (USA: included in the Polycyclic aromatic compounds (PACs) category)		x				x
205-82-3	Benzo(j)fluoranthene (USA: included in the Polycyclic aromatic compounds (PACs) category)		x				x
207-08-9	Benzo(k)fluoranthene (USA: included in the Polycyclic aromatic compounds (PACs) category)		x				x
206-44-0	Fluoranthene (Cdn) / Benzo(j,k)fluorene (USA) (USA: included in the Polycyclic aromatic compounds (PACs) category)		x	x			x
189-55-9	Dibenzo(a,i)pyrene (USA: included in the Polycyclic aromatic compounds (PACs) category)		x				x
218-01-9	Benzo(a)phenanthrene (USA: included in the Polycyclic aromatic compounds (PACs) category)		x				x
50-32-8	Benzo(a)pyrene (USA: included in the Polycyclic aromatic compounds (PACs) category)		x				x
226-36-8	Dibenzo(a,h)acridine (USA: included in the Polycyclic aromatic compounds (PACs) category)		x				x
224-42-0	Dibenz(a,j)acridine (USA: included in the Polycyclic aromatic compounds (PACs) category)		x				x
53-70-3	Dibenzo(a,h)anthracene (USA: included in the Polycyclic aromatic compounds (PACs) category)		x				x
194-59-2	7H-Dibenzo(c,g)carbazole (USA: included in the Polycyclic aromatic compounds (PACs) category)		x				x
5385-75-1	Dibenzo(a,e)fluoranthene (USA: included in the Polycyclic aromatic compounds (PACs) category)		x				x
192-65-4	Dibenzo(a,e)pyrene (USA: included in the Polycyclic aromatic compounds (PACs) category)		x				x
189-64-0	Dibenzo(a,h)pyrene (USA: included in the Polycyclic aromatic compounds (PACs) category)		x				x
191-30-0	Dibenzo(a,l)pyrene (USA: included in the Polycyclic aromatic compounds (PACs) category)		x				x
57-97-6	7,12-Dimethylbenz(a)-anthracene (USA: included in the Polycyclic aromatic compounds (PACs) category)		x				x
193-39-5	Indeno(1,2,3-c,d)pyrene (USA: included in the Polycyclic aromatic compounds (PACs) category)		x				x
56-49-5	3-Methylcholanthrene (USA: included in the Polycyclic aromatic compounds (PACs) category)		x				x
3697-24-3	5-Methylchrysene (USA: included in the Polycyclic aromatic compounds (PACs) category)		x				x
5522-43-0	1-Nitropyrene (USA: included in the Polycyclic aromatic compounds (PACs) category)		x				x
42397-64-8	1,6-Dinitropyrene (added to TRI for RY2011, included in the Polycyclic aromatic compounds (PACs) category)						x
42397-65-9	1,8-Dinitropyrene (added to TRI for RY2011, included in the Polycyclic aromatic compounds (PACs) category)						x
7496-02-8	6-Nitrochrysene (added to TRI for RY2011, included in the Polycyclic aromatic compounds (PACs) category)						x
57835-92-4	4-Nitropyrene (added to TRI for RY2011, included in the Polycyclic aromatic compounds (PACs) category)						x
8001-58-9	Creosote		x				x
120-12-7	Anthracene (Jpn: PAHs in the PRTR system are limited to chemicals intentionally used and therefore listed individually)		x	x	x	x	x
191-24-2	Benzo(g,h,i)perylene		x	x			x
91-20-3	Naphthalene (Jpn: PAHs in the PRTR system are limited to chemicals intentionally used and therefore listed individually)		x	x	x	x	x
LCL-76	methylnaphthalene (Jpn: PAHs in the PRTR system are limited to chemicals intentionally used and therefore listed individually)					x	
83-32-9	acenaphthene (Jpn: PAHs in the PRTR system are limited to chemicals intentionally used and therefore listed individually)		x			x	
85-01-8	Phenanthrene		x				x
192-97-2	Benzo(e)pyrene		x				
198-55-0	Perylene		x				
129-00-0	Pyrene		x				
208-96-8	Acenaphthylene - PAH		x				
86-73-7	Fluorene - PAH		x				
Other organic substances							
	Acetonitrile						
75-05-8	Acetonitrile	x	x			x	x
	Acrolein						
107-02-8	Acrolein	x	x			x	x
	Acrylamid						

Long Chemical List

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79-06-1	Acrylamid	x	x			x	x
	Acrylic and methacrylic acid						
79-10-7	Acrylic acid / acrylic acid and its water-soluble salts (Jpn)	x	x			x	x
79-41-4	methacrylic acid					x	
	Acrylic and methacrylic acid esters						
818-61-1	2-hydroxyethyl acrylate					x	
13048-33-4	hexamethylene diacrylate					x	
80-62-6	Methyl methacrylate	x	x			x	x
96-33-3	Methyl acrylate		x			x	x
140-88-5	Ethyl acrylate		x			x	x
97-88-1	n-butyl methacrylate					x	
105-16-8	2-(diethylamino)ethyl methacrylate						
106-91-2	2,3-epoxypropyl methacrylate					x	
688-84-6	2-ethylhexyl methacrylate					x	
2867-47-2	2-(dimethylamino)ethyl methacrylate					x	
141-32-2	Butyl acrylate		x			x	x
2439-35-2	2-(dimethylamino)ethyl acrylate					x	
	Acrylonitrile and methacrylonitrile						
107-13-1	Acrylonitrile	x	x			x	x
126-98-7	Methacrylonitrile						x
	Aldehydes						
75-07-0	Acetaldehyde	x	x			x	x
78-84-2	Isobutyraldehyde		x			x	x
90-02-8	Salicylaldehyde					x	
100-52-7	Benzaldehyde					x	
111-30-8	Glutaraldehyde	x				x	
123-38-6	Propionaldehyde		x				x
123-63-7	Paraldehyde		x				x
123-72-8	Butyraldehyde		x				x
4170-30-3	Crotonaldehyde / 2-butenal		x			x	x
	Anilines						
62-53-3	Aniline	x	x			x	x
LCL-77	toluidine					x	
95-53-4	o-toluidine						x
636-21-5	o-toluidine hydrochloride						x
95-68-1	2,4-dimethylaniline					x	
87-62-7	2,6-dimethylaniline / 2,6-Xylidine					x	x
121-69-7	N,N-Dimethylaniline (and its salts)		x			x	x
101-77-9	4,4'-methylenedianiline		x			x	x
120-71-8	p-cresidine (2-methoxy-5-methylaniline)					x	x
134-29-2	O-Anisidine hydrochloride						x
123-30-8	p-aminophenol					x	
591-27-5	m-aminophenol					x	
25376-45-8	Diaminotoluene (mixed isomers) / toluenediamine (Jpn)					x	x
95-80-7	2,4-Diaminotoluene (and its salts) (Cdn) / 2,4-Diaminotoluene (USA)		x				x
139-65-1	4,4'-Thiodianiline						x
90-04-0	o-anisidine					x	x
104-94-9	p-anisidine						x
615-05-4	2,4-diaminoanisole					x	x
39156-41-7	2,4-diaminoanisole sulfate						x
	Biphenyl						
92-52-4	Biphenyl (1,1-biphenyl)	x	x			x	x
	C3-Benzenes						
95-63-6	1,2,4-Trimethylbenzene		x			x	x
108-67-8	1,3,5-trimethylbenzene					x	
25551-13-7	Trimethylbenzene (all isomers excluding 1,2,4-Trimethylbenzene)		x				
98-82-8	Cumene (1-methylethylbenzene)	x	x			x	x
	Hydrocarbons (liquids)						
110-54-3	n-Hexane	x	x			x	x
110-82-7	Cyclohexane	x	x				x
LCL-78	Pentane (all isomers)		x				
LCL-79	Pentene (all isomers)		x				
LCL-80	Hexane (all isomers excluding n-hexane)		x				
25264-93-1	Hexene (all isomers)		x				
LCL-81	Heptane (all isomers)		x				
LCL-82	Octane (all isomers)		x				
LCL-83	Nonane (all isomers)		x				
LCL-84	Decane (all isomers)		x				
LCL-85	Dodecane (all isomers)		x				
8052-41-3	Stoddard solvent		x				
64475-85-0	Mineral spirits		x				
64741-65-7	Heavy alkylate naphtha		x				
64742-47-8	Hydrotreated light distillate		x				
64742-48-9	Hydrotreated heavy naphtha		x				
64742-88-7	Solvent naphtha medium aliphatic		x				
64742-89-8	Solvent naphtha light aliphatic		x				
64742-94-5	Heavy aromatic solvent naphtha		x				
64742-95-6	Light aromatic solvent naphtha		x				
8030-30-6	Naphtha		x				
8032-32-4	VM & P naphtha		x				
8042-47-5	White mineral oil		x				
LCL-86	Cycloheptane (all isomers)		x				
LCL-87	Cyclohexene (all isomers)		x				
LCL-88	Cyclooctane (all isomers)		x				
	BTEX						
71-43-2	Benzene (E-PRTR: Single pollutants are to be reported if the threshold for BTEX (the sum parameter of benzene, toluene, ethyl benzene, xylenes) is exceeded)	x	x	x	x	x	x

Pollutant		Covered by PRTR?					
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100-41-4	Ethylbenzene (E-PRTR: Single pollutants are to be reported if the threshold for BTEX (the sum parameter of benzene, toluene, ethyl benzene, xylenes) is exceeded)	x	x	x	x	x	x
108-88-3	Toluene (E-PRTR: Single pollutants are to be reported if the threshold for BTEX (the sum parameter of benzene, toluene, ethyl benzene, xylenes) is exceeded)	x	x	x	x	x	x
1330-20-7	Xylenes / Xylene (mixed isomers) (E-PRTR: Single pollutants are to be reported if the threshold for BTEX (the sum parameter of benzene, toluene, ethyl benzene, xylenes) is exceeded)	x	x	x	x	x	x
95-47-6	o-xylene						x
106-42-3	p-xylene						x
108-38-3	m-xylene						x
	1,3-Butadiene						
106-99-0	1,3-Butadiene	x	x			x	x
	Carbon disulfide						
75-15-0	Carbon disulfide / Carbon disulphide	x	x			x	x
	Diisocyanates						
101-68-8	Methylenebis(phenylisocyanate) (MDI) (USA: specified as Diisocyanates)	x	x			x	x
5124-30-1	1,1-Methylenebis(4-isocyanatocyclohexane) (USA: specified as Diisocyanates) / methylenebis(4,1-cyclohexylene)diisocyanate (Jpn)		x			x	x
4098-71-9	Isophorone diisocyanate (USA: specified as Diisocyanates) / 3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate (Jpn)		x			x	x
9016-87-9	Polymeric diphenylmethane diisocyanate (USA: specified as Diisocyanates)		x				x
16938-22-0	2,2,4-Trimethylhexamethylene diisocyanate (USA: specified as Diisocyanates)		x				x
15646-96-5	2,4,4-Trimethylhexamethylene diisocyanate (USA: specified as Diisocyanates)		x				x
822-06-0	Hexamethylene-1,6- diisocyanate (USA: specified as Diisocyanates)					x	x
38661-72-2	1,3-Bis(methylisocyanate) - cyclohexane (USA: specified as Diisocyanates)						x
10347-54-3	1,4-Bis(methylisocyanate)-cyclohexane (USA: specified as Diisocyanates)						x
2556-36-7	1,4-Cyclohexane diisocyanate (USA: specified as Diisocyanates)						x
134190-37-7	Diethyldiisocyanatobenzene (USA: specified as Diisocyanates)						x
4128-73-8	4,4'-Diisocyanatodiphenylether (USA: specified as Diisocyanates)						x
75790-87-3	2,4'-Diisocyanatodiphenylsulfide (USA: specified as Diisocyanates)						x
91-93-0	3,3'-Dimethoxybenzidine-4,4'-diisocyanate (USA: specified as Diisocyanates)						x
91-97-4	3,3'-Dimethyl-4,4'-diphenylene diisocyanate (USA: specified as Diisocyanates)					x	x
139-25-3	3,3'-Dimethyldiphenylmethane-4,4'-diisocyanate (USA: specified as Diisocyanates)						x
75790-84-0	4-Methyldiphenylmethane-3,4-diisocyanate (USA: specified as Diisocyanates)						x
3173-72-6	1,5-Naphthalene diisocyanate (USA: specified as Diisocyanates) / 1,5-naphthalenediyl diisocyanate (Jpn)					x	x
123-61-5	1,3-Phenylene diisocyanate (USA: specified as Diisocyanates)						x
104-49-4	1,4-Phenylene diisocyanate (USA: specified as Diisocyanates)						x
LCL-89	Diisocyanates (USA: 20 specified Diisocyanates, see compounds above)						x
	Toluenediisocyanates						
584-84-9	Toluene-2,4-diisocyanate	x	x				x
91-08-7	Toluene-2,6-diisocyanate		x				x
26471-62-5	Toluenediisocyanate (mixed isomers) / tolylene diisocyanate		x			x	x
	2-Ethoxyethanol						
110-80-5	2-Ethoxyethanol / ethylene glycol monoethyl ether	x	x			x	x
	Methoxyethanol						
109-86-4	Methoxyethanol / ethylene glycol monomethyl ether	x	x			x	x
	Formaldehyde						
50-00-0	Formaldehyde	x	x			x	x
	Glycol ethers						
LCL-90	certain glycol ethers						x
112-34-5	Diethylene glycol butyl ether (USA: incl. in certain glycol ethers)		x				*
112-25-4	Ethylene glycol hexyl ether (USA: incl. in certain glycol ethers)		x				*
5131-66-8	Propylene glycol butyl ether (USA: incl. in certain glycol ethers)		x				*
110-49-6	2-Methoxyethanol acetate / 2-methoxyethyl acetate (USA: incl. in certain glycol ethers)	x	x			x	*
111-76-2	2-Butoxyethanol (USA: incl. in certain glycol ethers)		x				*
111-15-9	2-Ethoxyethanol acetate / 2-ethoxyethyl acetate (USA: incl. in certain glycol ethers)	x	x			x	*
108-65-6	Propylene glycol methyl ether acetate (USA: incl. in certain glycol ethers)		x				*
112-07-2	Ethylene glycol butyl ether acetate (USA: incl. in certain glycol ethers)		x				*
112-15-2	Diethylene glycol ethyl ether acetate (USA: incl. in certain glycol ethers)		x				*
	4,4'-methylenebis[2-chloroaniline]						
101-14-4	4,4'-Methylene-bis(2-chloroaniline) (MOCA) / 3,3'-dichloro-4,4'-diaminodiphenylmethane (Jpn)	x	x			x	x
	Organotin compounds (as total Sn)						
LCL-91	Organotin compounds (as total Sn) / organic tin compounds (Jpn)	x		x	x	x	
LCL-92	Tributyltin and compounds			x	x		
56-35-9	Bis(tributyltin) oxide						x
1983-10-4	Tributyltin fluoride						x
2155-70-6	Tributyltin methacrylate						x
LCL-93	Triphenyltin and compounds			x	x		
639-58-7	Triphenyltin chloride						x
13356-08-6	hexakis(2-methyl-2-phenylpropyl)distannoxane / fenbutatin oxide					x	x

Long Chemical List

Pollutant		Covered by PRTR?					
CAS Number	Pollutant Name	Australia NPI	Canada NPRI	EU E-PRTR	Kiev Protocol	Japan PRTR	US TRI
76-87-9	Triphenyltin hydroxide						x
	Phenols						
LCL-94	Phenols (as total C) (E-PRTR: total mass of phenol and simple substituted phenols)			x	x		
108-95-2	Phenol	x	x			x	x
1319-77-3	Cresol / USA: Cresol (mixed isomers)		x			x	x
95-48-7	o-cresol						x
106-44-5	p-cresol						x
108-39-4	m-cresol						x
1300-71-6	Dimethyl phenol		x				
576-26-1	2,6-xylenol (2,6-Dimethylphenol)					x	
105-67-9	2,4-Dimethylphenol / 2,4-xylenol					x	x
128-37-0	2,6-Di-t-butyl-4-methylphenol / 2,6-di-tert-butyl-4-cresol		x			x	
96-76-4	2,4-di-tert-butylphenol					x	
89-72-5	o-sec-butylphenol					x	
98-54-4	4-tert-butylphenol					x	
88-60-8	2-tert-butyl-5-methylphenol					x	
90-43-7	o-Phenylphenol (and its salts) (Cdn) / 2-Phenylphenol (USA)		x			x	x
108-98-5	Thiophenol					x	
	Phthalates						
117-81-7	Di-(2-ethyl hexyl) phthalate (DEHP) / bis(2-ethylhexyl)phthalate (Jpn)	x	x	x	x	x	x
84-74-2	Dibutyl phthalate	x	x			x	x
85-68-7	Butyl benzyl phthalate		x			x	
117-84-0	Di-n-octyl phthalate		x				
84-66-2	Diethyl phthalate		x			x	
120-61-6	Dimethyl terephthalate					x	
131-11-3	Dimethyl phthalate		x				x
131-17-9	diallyl phthalate					x	
	Styrenes						
100-42-5	Styrene	x	x			x	x
96-09-3	Styrene oxide, phenyloxirane		x			x	x
98-83-9	α-methylstyrene					x	
29082-74-4	Octachlorostyrene						x
	Aromatic nitro compounds						
51-28-5	2,4-dinitrophenol					x	x
88-75-5	2-(1-methylpropyl)-4,6-dinitrophenol (2-nitrophenol)					x	x
100-02-7	p-nitrophenol (and its salts) (Cdn) / p-nitrophenol (Jpn) / 4-Nitrophenol (USA)		x				x
534-52-1	4,6-dinitro-o-cresol		x				x
88-72-2	o-nitrotoluene					x	
121-14-2	2,4-Dinitrotoluene		x				x
606-20-2	2,6-Dinitrotoluene		x				x
25321-14-6	Dinitrotoluene (mixed isomers)		x			x	x
88-74-4	o-nitroaniline					x	
100-01-6	p-Nitroaniline		x				x
99-54-7	1,2-dichloro-4-nitrobenzene					x	
89-61-2	1,4-dichloro-2-nitrobenzene					x	
97-00-7	1-chloro-2,4-dinitrobenzene					x	
121-87-9	2-chloro-4-nitroaniline					x	
88-73-3	2-chloronitrobenzene					x	
98-95-3	Nitrobenzene		x			x	x
99-65-0	m-Dinitrobenzene						x
100-25-4	p-Dinitrobenzene						x
528-29-0	o-Dinitrobenzene						x
99-55-8	5-nitro-o-toluidine						x
100-00-5	p-nitrochlorobenzene					x	
88-85-7	Dinitrobutyl phenol (Dinoseb)						x
88-89-1	Picric acid (2,4,6-trinitrophenol)						x
99-59-2	5-nitro-o-anisidine						x
91-23-6	o-Nitroanisole (added to TRI for RY2011)					x	x
	Bisphenol A						
80-05-7	4,4'-isopropylidenediphenol / bisphenol A		x			x	x
	1,2-Butylene oxide						
106-88-7	1,2-Butylene oxide / 1,2-epoxybutane		x			x	x
	Calcium cyanamide						
156-62-7	Calcium cyanamide		x			x	x
	Catechol						
120-80-9	Catechol / pyrocatechol		x			x	x
	Cumene hydroperoxide						
80-15-9	Cumene hydroperoxide / 1-methyl-1-phenylethyl hydroperoxide		x			x	x
	Cyclic ethers						
123-91-1	1,4-Dioxane		x			x	x
109-99-9	Tetrahydrofuran		x				
	Dicyclopentadiene						
77-73-6	Dicyclopentadiene		x			x	x
	Diphenylamine						
122-39-4	Diphenylamine		x			x	x
	Epichlorohydrin						
106-89-8	Epichlorohydrin		x			x	x
	Epoxy compounds						
75-56-9	Propylene oxide (1,2-epoxypropane)		x			x	x
106-92-3	1-allyloxy-2,3-epoxypropane					x	
122-60-1	2,3-epoxypropyl phenyl ether					x	
556-52-5	2,3-epoxy-1-propanol (Japan) / Glycidol (USA: added to TRI for RY2011)					x	x
1464-53-5	Diepoxybutane						x
2451-62-9	1,3,5-tris(2,3-epoxypropyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione					x	
	Ethylene glycol						

Pollutant		Covered by PRTR?					
CAS Number	Pollutant Name	Australia NPI	Canada NPRI	EU E-PRTR	Kiev Protocol	Japan PRTR	US TRI
107-21-1	Ethylene glycol	x	x				x
	Ethylene thiourea						
96-45-7	Ethylene thiourea (2-imidazolidinethione)		x			x	x
	Hydrazines						
302-01-2	Hydrazine (Jpn, USA) / Hydrazine (and its salts) (Cdn)		x			x	x
10034-93-2	Hydrazine sulfate						x
57-14-7	1,1-Dimethyl hydrazine					x	x
60-34-4	Methyl hydrazine						x
100-63-0	phenylhydrazine					x	
122-66-7	1,2-Diphenylhydrazine						x
	Ketone solvents						
67-64-1	Acetone	x					
108-10-1	Methyl isobutyl ketone	x	x				x
78-93-3	Methyl ethyl ketone	x	x				
106-35-4	Ethyl butyl ketone	x					
	Maleic anhydride						
108-31-6	Maleic anhydride		x			x	x
	N,N-Dimethylformamide						
68-12-2	N,N-Dimethylformamide		x			x	x
	Nitroglycerin						
55-63-0	Nitroglycerin		x			x	x
	Nitrilotriacetic acid						
139-13-9	Nitrilotriacetic acid (Jpn, USA) / Nitrilotriacetic acid (and its salts) (Cdn)		x			x	x
	Nonylphenol						
LCL-95	Nonylphenol and Nonylphenol ethoxylates (NP/NPEs) / Nonylphenol and its ethoxylates		x	x	x	x	
25154-52-3	Nonylphenol					x	
	Octylphenol						
1806-26-4	Octylphenols and Octylphenols ethoxylates / Octylphenol and its ethoxylates		x	x			
LCL-96	p-octylphenol					x	
9036-19-5	poly(oxyethylene) octylphenyl ether					x	
	Phenylenediamines						
LCL-97	phenylenediamine					x	
95-54-5	o-phenylenediamine (1,2-Phenylenediamine)						x
106-50-3	p-Phenylenediamine (Jpn, USA) / p-Phenylenediamine (and its salts) (Cdn)		x				x
108-45-2	m-phenylenediamine (1,3-Phenylenediamine)						x
615-28-1	1,2-phenylenediamine dihydrochloride						x
624-18-0	1,4-phenylenediamine dihydrochloride						x
	Phthalic anhydride						
85-44-9	Phthalic anhydride		x			x	x
	Pyridines						
110-86-1	Pyridine (Jpn, USA) / Pyridine (and its salts) (Cdn)		x			x	x
100-69-6	2-vinylpyridine					x	
108-99-6	3-methylpyridine					x	
109-06-8	2-Methylpyridine		x				x
	Quinoline						
91-22-5	Quinoline (and its salts) (Cdn) / Quinoline (USA)		x			x	x
	Quinones						
106-51-4	Quinone, p-Quinone		x				x
123-31-9	Hydroquinone		x			x	x
82-28-0	1-AMINO-2-METHYLANTHRAQUINONE						x
82-45-1	1-amino-9,10-anthraquinone					x	
118-75-2	2,3,5,6-tetrachloro-p-benzoquinone					x	
117-79-3	2-AMINOANTHRAQUINONE						x
81-49-2	1-Amino-2,4-dibromoanthraquinone (added to TRI for RY2011)						x
LCL-98	Anthraquinone (all isomers)		x				
	Saturated alcohols						
67-56-1	Methanol	x	x				x
64-17-5	Ethanol	x	x				
67-63-0	Isopropyl alcohol (USA: (only persons who manufacture by the strong acid process are subject, no supplier notification)		x				x
71-36-3	n-Butyl alcohol		x				x
78-83-1	i-Butyl alcohol		x				
78-92-2	sec-Butyl alcohol		x				x
75-65-0	tert-Butyl alcohol		x				x
3452-97-9	3,5,5-trimethyl-1-hexanol					x	
143-08-8	1-nonanol / n-nonyl alcohol					x	
112-30-1	decyl alcohol / decanol					x	
112-53-8	1-dodecanol / n-dodecyl alcohol					x	
111-87-5	1-Octanol					x	
	Thiourea						
62-56-6	Thiourea		x			x	x
	Unsaturated aliphatic alcohols						
107-18-6	Allyl alcohol		x			x	x
107-19-7	Propargyl alcohol		x			x	x
	Vinyl acetate						
108-05-4	Vinyl acetate		x			x	x
	Volatile organic compounds (VOCs)						
LCL-99	Volatile organic compounds (VOCs) (Canada: Sum of VOCs meeting the definition of Schedule 1 [65] of the Canadian Environmental Protection Act, 1999--see: http://www.ec.gc.ca/lcpe-cepa/default.asp?lang=En&n=0DA2924D-1&wsdoc=4ABEFFC8-5BEC-B57A-F4BF-11069545E434).		x				
LCL-100	Non-methane volatile organic compounds (NMVOC)			x	x		
LCL-101	Total volatile organic compounds	x					

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Pollutant		Covered by PRTR?					
CAS Number	Pollutant Name	Australia NPI	Canada NPRI	EU E-PRTR	Kiev Protocol	Japan PRTR	US TRI
	1,3-dioxolane						
646-06-0	1,3-dioxolane					x	
	divinylbenzene						
1321-74-0	divinylbenzene					x	
	diphenyl ether						
101-84-8	diphenyl ether					x	
	Ethylenebisdithiocarbamic acid, salts and esters						
LCL-102	ethylenebisdithiocarbamic acid, salts and esters						x
	1,3-diphenylguanidine						
102-06-7	1,3-diphenylguanidine					x	
	N,N-dimethylacetamide						
127-19-5	N,N-dimethylacetamide					x	
	N-(1,3-dimethylbutyl)-N'-phenyl-p-phenylenediamine						
793-24-8	N-(1,3-dimethylbutyl)-N'-phenyl-p-phenylenediamine					x	
	hydrogenated terphenyl						
61788-32-7	hydrogenated terphenyl					x	
	sodium salt of 2-sulfohexadecanoic acid 1-methyl ester						
4016-24-4	sodium salt of 2-sulfohexadecanoic acid 1-methyl ester					x	
	carbonic acids / dicarbonic acids						
334-48-5	decanoic acid					x	
124-04-9	Adipic acid		x				
149-57-5	2-ethylhexanoic acid					x	
	sodium dodecyl sulfate						
151-21-3	sodium dodecyl sulfate					x	
	1,2-bis(2-chlorophenyl)hydrazine						
782-74-1	1,2-bis(2-chlorophenyl)hydrazine					x	
	Furans						
110-00-9	Furan (USA: added to TRI for RY2011)					x	x
98-00-0	Furfuryl alcohol		x				
	Nitrosodiphenylamine						
86-30-6	N-Nitrosodiphenylamine		x				x
156-10-5	P-Nitrosodiphenylamine						x
	Phosgene						
75-44-5	Phosgene		x				x
	Terpens						
68956-56-9	Terpene (all isomers)		x				
123-35-3	Myrcene		x				
5989-27-5	Limonene,D-		x				
80-56-8	Alpha-Pinene		x				
127-91-3	Beta-Pinene		x				
555-10-2	Beta-Phellandrene		x				
	betanaphthol						
135-19-3	betanaphthol					x	
	benzophenone						
119-61-9	benzophenone					x	
	sodium poly(oxyethylene) dodecyl ether sulfate						
9004-82-4	sodium poly(oxyethylene) dodecyl ether sulfate					x	
	n-alkylbenzenesulfonic acid and its salts (alkyl c=10-14)						
LCL-103	n-alkylbenzenesulfonic acid and its salts (alkyl c=10-14)					x	
	poly(oxyethylene) alkyl ether (alkyl c=12-15)						
LCL-104	poly(oxyethylene) alkyl ether (alkyl c=12-15)					x	
	Michler's ketone (and its salts)						
90-94-8	Michler's ketone (and its salts) (Cdn) / Michler's ketone (USA)		x				x
	Adipate						
103-23-1	Bis(2-ehtylhexyl) adipate		x				
	Ethyl acetate						
141-78-6	Ethyl acetate	x	x				
	Benzidine						
92-87-5	Benzidine						x
91-94-1	3,3'-dichlorobenzidine					x	x
119-90-4	3,3'-dimethoxybenzidine						x
612-83-9	3,3'-Dichlorobenzidine dihydrochloride		x				x
119-93-7	3,3'-dimethylbenzidine / o-tolidine					x	x
612-82-8	3,3'-Dimethylbenzidine dihydrochloride (o-Tolidine dihydrochloride)						x
20325-40-0	3,3'-dimethoxybenzidine dihydrochloride						x
111984-09-9	3,3'-dimethoxybenzidine hydrochloride						x
41766-75-0	3,3'-dimethoxybenzidine dihydrofluoride						x
64969-34-2	3,3'-dichlorobenzidine sulfate						x
	Safroles						
94-59-7	Safrole		x				x
94-58-6	Dihydrosafrole						x
120-58-1	Isosafrole		x				x
	Isoprene						
78-79-5	Isoprene (USA: added to TRI for RY2011)		x			x	x
	Methyleugenol						
93-15-2	Methyleugenol (added to TRI for RY2011)						x
	Ethylenediaminetetraacetic acid (EDTA)						
60-00-4	Ethylenediaminetetraacetic acid					x	
	Amines						
74-89-5	methylamine					x	
107-15-3	ethylenediamine					x	
121-44-8	Triethylamine		x			x	x
124-40-3	Dimethylamine		x			x	x
107-11-9	Allylamine / 3-amino-1-propene					x	x
102-82-9	tributylamine					x	

Pollutant		Covered by PRTR?					
CAS Number	Pollutant Name	Australia NPI	Canada NPRI	EU E-PRTR	Kiev Protocol	Japan PRTR	US TRI
101-83-7	N,N-dicyclohexylamine					x	
112-18-5	N,N-dimethyldodecylamine					x	
108-91-8	cyclohexylamine					x	
	Nitromethanes						
75-52-5	Nitromethane (added to TRI for RY2011)					x	x
509-14-8	Tetranitromethane (added to TRI for RY2011)						x
	Methyl iodide						
74-88-4	Methyl iodide		x				x
	Phenolphthalein						
77-09-8	Phenolphthalein (added to TRI for RY2011)						x
	Diethyl sulfate						
64-67-5	Diethyl sulfate		x				x
	Dimethyl sulfate						
77-78-1	Dimethyl sulfate		x				x
	dimethyl disulfide						
624-92-0	dimethyl disulfide					x	
	Cyclohexanol						
108-93-0	Cyclohexanol		x				x
	Benzoyl peroxide						
94-36-0	Benzoyl peroxide		x				x
	bis(1-methyl-1-phenylethyl) peroxide						
80-43-3	bis(1-methyl-1-phenylethyl) peroxide					x	
	tert-butyl hydroperoxide						
75-91-2	tert-butyl hydroperoxide					x	
	2-Mercaptobenzothiazole						
149-30-4	2-Mercaptobenzothiazole		x			x	x
	2-(morpholinodithio)benzothiazole						
95-32-9	2-(morpholinodithio)benzothiazole					x	
	Imines						
75-55-8	Propyleneimine						x
151-56-4	ethyleneimine					x	x
	CARBONYL SULFIDE						
463-58-1	CARBONYL SULFIDE		x				x
	Terephthalic acid						
100-21-0	Terephthalic acid					x	
	Ethyl chloroformate						
541-41-3	Ethyl chloroformate		x				x
	N-Methyl-2-pyrrolidone						
872-50-4	N-Methyl-2-pyrrolidone		x				x
	N-vinyl-2-pyrrolidone						
88-12-0	N-vinyl-2-pyrrolidone					x	
	Short chain fatty acids						
64-18-6	Formic acid		x				x
64-19-7	Acetic acid (ethanoic acid)	x					
	Acetophenones						
98-86-2	Acetophenone		x				x
532-27-4	2-chloroacetophenone						x
	Peracetic acid						
79-21-0	Peracetic acid (Peracetic acid (and its salts))		x				x
	Alkaloids						
357-57-3	Brucine						x
LCL-105	strychnine and salts						x
	2-Nitropropane						
79-46-9	2-Nitropropane		x				x
	Methyl tert-butyl ether						
1634-04-4	Methyl tert-butyl ether		x				x
	Diethanolamine						
111-42-2	Diethanolamine (and its salts) (Cdn) / Diethanolamine (USA)		x				x
	Dimethyldithiocarbamates						
128-04-1	Sodium Dimethyldithiocarbamate						x
128-03-0	Potassium Dimethyldithiocarbamate						x
137-41-7	Potassium N-methyldithiocarbamate						x
LCL-106	water-soluble salts of dimethyldithiocarbamic acid					x	
	TOC						
LCL-107	Total organic carbon (TOC) (as total C or COD/3)			x	x		
Active substances of plant protection products or biocidal products							
	Alachlor						
15972-60-8	Alachlor (2-chloro-2',6'-diethy-N-(methoxymethyl)acetanilide)			x	x	x	x
	Diuron						
330-54-1	Diuron (3-(3,4-dichlorophenyl)-1,1-dimethylurea) / DCMU			x	x	x	x
	Triazine compounds						
1912-24-9	Atrazine (2-chloro-4-ethylamino-6-isopropylamino-1,3,5-triazine)			x	x	x	x
122-34-9	Simazine (2-chloro-4,6-bis(ethylamino)-1,3,5-triazine)			x	x	x	x
108-77-0	2,4,6-trichloro-1,3,5-triazine					x	
1014-70-6	simetryn / 2,4-bis(ethylamino)-6-methylthio-1,3,5-triazine					x	
	Trifluralin						
1582-09-8	Trifluralin (α,α,α-trifluoro-2,6-dinitro-N,N-dipropyl-p-toluidine)			x	x	x	x
	chloridazon						
1698-60-8	5-amino-4-chloro-2-phenylpyridazin-3(2H)-one					x	
	metribuzin						
21087-64-9	4-amino-6-tert-butyl-3-methylthio-1,2,4-triazin-5(4H)-one					x	x
	metamitron						
41394-05-2	4-amino-3-methyl-6-phenyl-1,2,4-triazin-5(4H)-one					x	
	fenamiphos						

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Pollutant		Covered by PRTR?					
CAS Number	Pollutant Name	Australia NPI	Canada NPRI	EU E-PRTR	Kiev Protocol	Japan PRTR	US TRI
22224-92-6	O-ethyl-O-(3-methyl-4-methylthiophenyl) N-isopropylaminophosphonate					x	
	bifenazate						
149877-41-8	isopropyl 2-(4-methoxybiphenyl-3-yl)hydrazinoformate					x	
	flutolanil						
66332-96-5	3'-isopropoxy-2-trifluoromethylbenzanilide					x	
	iminoctadine						
13516-27-3	1,1'-[iminodi(octamethylene)]diguanidine					x	
	butamifos						
36335-67-8	O-ethyl O-(6-nitro-m-tolyl)sec-butylphosphoramidothioate					x	
	EPN						
2104-64-5	O-ethyl O-4-nitrophenyl phenylphosphonothioate					x	
	alanycarb						
83130-01-2	ethyl (Z)-3-[N-benzyl-N-[[methyl(1-methylthioethylideneaminooxycarbonyl)amino]thio]amino]propionate					x	
	fosthiazate						
98886-44-3	O-ethyl S-1-methylpropyl (2-oxo-3-thiazolidinyl)phosphonothioate					x	
	mancozeb						
8018-01-7	complex compounds of manganese N,N'-ethylenebis(dithiocarbamate)and zinc N,N'-ethylenebis(dithiocarbamate)					x	
	diquat dibromide						
85-00-7	1,1'-ethylene-2,2'-bipyridinium dibromide					x	
	etofenprox						
80844-07-1	2-(4-ethoxyphenyl)-2-methylpropyl 3-phenoxybenzyl ether					x	
	mixture of emamectinB1a benzoate and emamectinB1b benzoate						
155569-91-8	emamectin benzoate					x	
	tolfenpyrad						
129558-76-5	4-chloro-3-ethyl-1-methyl-N-[4-(p-tolyloxy)benzyl]pyrazole-5-carboxamide					x	
	fluazinam						
79622-59-6	3-chloro-N-(3-chloro-5-trifluoromethyl-2-pyridyl)-α,α,α-trifluoro-2,6-dinitro-p-toluidine					x	
	pretilachlor						
51218-49-6	2-chloro-2',6'-diethyl-N-(2-propoxyethyl)acetanilide					x	
	mecoprop						
7085-19-0	(RS)-2-(4-chloro-o-tolyloxy)propionic acid					x	
	indanofan						
133220-30-1	(RS)-2-[2-(3-chlorophenyl)-2,3-epoxypropyl]-2-ethylindane-1,3-dione					x	
	fentrazamide						
158237-07-1	4-(2-chlorophenyl)-N-cyclohexyl-N-ethyl-4,5-dihydro-5-oxo-1H-tetrazole-1-carboxamide					x	
	hexythiazox						
78587-05-0	(4RS,5RS)-5-(4-chlorophenyl)-N-cyclohexyl-4-methyl-2-oxo-1,3-thiazolidine-3-carboxamide					x	
	tebuconazole						
107534-96-3	(RS)-1-p-chlorophenyl-4,4-dimethyl-3-(1H-1,2,4-triazol-1-ylmethyl)pentan-3-ol					x	
	fenbuconazole						
114369-43-6	(RS)-4-(4-chlorophenyl)-2-phenyl-2-(1H-1,2,4-triazol-1-ylmethyl)butyronitrile					x	
	cumyluron						
99485-76-4	1-(2-chlorobenzyl)-3-(1-methyl-1-phenylethyl)urea					x	
	diclocymet						
139920-32-4	(RS)-2-cyano-N-[(R)-1-(2,4-dichlorophenyl)ethyl]-3,3-dimethylbutyramide					x	
	tralomethrin						
66841-25-6	(S)-alpha-cyano-3-phenoxybenzyl (1R,3S)-2,2-dimethyl-3-(1,2,2,2-tetrabromoethyl)cyclopropanecarboxylate					x	
	cymoxanil						
57966-95-7	trans-1-(2-cyano-2-methoxyiminoacetyl)-3-ethylurea					x	
	cartap						
15263-53-3	1,3-dicarbamoylthio-2-(N,N-dimethylamino)-propane					x	
	iprodione						
36734-19-7	3-(3,5-dichlorophenyl)-N-isopropyl-2,4-dioxoimidazolidine-1-carboxamide					x	
	tetraconazole						
112281-77-3	(RS)-2-(2,4-dichlorophenyl)-3-(1H-1,2,4-triazol-1-yl)propyl 1,1,2,2-tetrafluoroethyl ether					x	
	oxaziclomefone						
153197-14-9	3-[1-(3,5-dichlorophenyl)-1-methylethyl]-3,4-dihydro-6-methyl-5-phenyl-2H-1,3-oxazin-4-one					x	
	pyrazoxyfen						
71561-11-0	2-[4-(2,4-dichlorobenzoyl)-1,3-dimethyl-5-pyrazolyloxy]acetophenone					x	
	pyrazolynate						
58011-68-0	4-(2,4-dichlorobenzoyl)-1,3-dimethyl-5-pyrazolyl 4-toluenesulfonate					x	
	dithianon						
3347-22-6	2,3-dicyano-1,4-dithiaanthraquinone					x	
	isoprothiolane						
50512-35-1	diisopropyl 1,3-dithiolan-2-ylidenemalonate					x	
	carbosulfan						

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55285-14-8	2,3-dihydro-2,2-dimethyl-7-benzo[b]furyl N-(dibutylamino)thio-N-methylcarbamate					x	
	thiocyclam						
31895-21-3	5-dimethylamino-1,2,3-trithiane					x	
	benfuracarb						
82560-54-1	2,2-dimethyl-2,3-dihydro-1-benzofuran-7-yl N-[N-(2-ethoxycarbonylethyl)-N-isopropylsulfenamoyl]-N-methylcarbamate					x	
	ioxynil octanoate						
3861-47-0	3,5-diiodo-4-octanoyloxybenzonitrile					x	
	phthalide						
27355-22-2	4,5,6,7-tetrachloroisobenzofuran-1(3H)-one					x	
	tefluthrin						
79538-32-2	2,3,5,6-tetrafluoro-4-methylbenzyl(Z)-3-(2-chloro-3,3,3-trifluoro-1-propenyl)-2,2-dimethylcyclopropanecarboxylate					x	
	cadusafos						
95465-99-9	S,S-bis(1-methylpropyl) O-ethyl phosphorodithioate					x	
	buprofezin						
69327-76-0	2-tert-butylimino-3-isopropyl-5-phenyltetrahydro-4H-1,3,5-thiadiazin-4-one					x	
	tebufenozide						
112410-23-8	N-tert-butyl-N'-(4-ethylbenzoyl)-3,5-dimethylbenzohydrazide					x	
	diafenthiuron						
80060-09-9	1-tert-Butyl-3-(2,6-diisopropyl-4-phenoxyphenyl)thiourea					x	
	fenpyroximate						
134098-61-6	tert-butyl 4-({[(1,3-dimethyl-5-phenoxy-4-pyrazolyl)methylidene]aminooxy}methyl)benzoate					x	
	pyridaben						
96489-71-3	2-tert-butyl-5-(4-tert-butylbenzylthio)-4-chloro-3(2H)-pyridazinone					x	
	butachlor						
23184-66-9	N-butoxymethyl-2-chloro-2',6'-diethylacetanilide					x	
	ferimzone						
89269-64-7	(Z)-2'-methylacetophenone 4,6-dimethyl-2-pyrimidinylhydrazone					x	
	indoxacarb						
173584-44-6	methyl (S)-7-chloro-2,3,4a,5-tetrahydro-2-[methoxycarbonyl(4-trifluoromethoxyphenyl)carbamoyl]indeno[1,2-e][1,3,4]oxadiazine-4a-carboxylate					x	
	azoxystrobin						
131860-33-8	methyl (E)-2-[2-[6-(2-cyanophenoxy)pyrimidin-4-yloxy]phenyl]-3-methoxyacrylate					x	
	carbam						
144-54-7	N-methyldithiocarbamic acid					x	
	oxamyl						
23135-22-0	methyl-N',N'-dimethyl-N-[(methylcarbamoyl)oxy]-1-thiooxamimidate					x	
	pyriminobac-methyl						
136191-64-5	methyl 2-(4,6-dimethoxy-2-pyrimizinyloxy)-6-[1-(methoxyimino)ethyl]benzoate					x	
	mepronil						
55814-41-0	2-methyl-N-[3-(1-methylethoxy)phenyl]benzamide					x	
	methomyl						
16752-77-5	S-methyl-N-(methylcarbamoyloxy)thioacetimidate					x	
	trifloxystrobin						
141517-21-7	methyl (E)-methoxyimino-[2-[[[[(E)-1-[3-(trifluoromethyl)phenyl]ethylidene]amino]oxy]methyl]phenyl]acetate					x	
	kresoxim-methyl						
143390-89-0	methyl (E)-methoxyimino[2-(o-tolyloxymethyl)phenyl]acetate					x	
	phenmedipham						
13684-63-4	3-methoxycarbonylaminophenyl 3'-methylcarbanilate					x	
	pyributicarb						
88678-67-5	O-3-tert-butylphenyl N-(6-methoxy-2-pyridyl)-N-methylthiocarbamate					x	
	Chlorfenvinphos						
470-90-8	Chlorfenvinphos			x	x		
	Chlorpyrifos						
5598-13-0	Chlorpyrifos methyl [O,O-Dimethyl-O-(3,5,6-trichloro-2-pyridyl)phosphorothioate]						x
2921-88-2	Chlorpyrifos			x	x	x	
	Endosulphan						
115-29-7	Endosulphan / 6,7,8,9,10,10-hexachloro-1,5,5a,6,9,9a-hexahydro-6,9-methano-2,4,3-benzodioxathiepine 3-oxide			x	x	x	
	Hexachlorocyclohexane						
608-73-1	1,2,3,4,5, 6-hexachlorocyclohexane (HCH)			x	x		
	Isodrin						
465-73-6	Isodrin			x			x
	Isoproturon						
34123-59-6	Isoproturon			x	x		
	2,4-D						
94-75-7	2,4-D (2,4-dichlorophenoxyacetic acid) / 2,4-PA					x	x
2702-72-9	2,4-D sodium salt						x
	2,4-D esters						
94-80-4	2,4-D butyl ester						x
01928-43-4	2,4-D 2-ethylhexyl ester						x
94-11-1	2,4-D isopropyl ester						x
01929-73-3	2,4-D butoxyethyl ester						x
1320-18-9	2,4-D propylene glycol butyl ether ester						x

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53404-37-8	2,4-D 2-ethyl-4-methylpentyl ester						x
	2,4-DP						
120-36-5	2,4-DP						x
	2,4-DB						
94-82-6	2,4-DB						x
	Dicofol						
115-32-2	Dicofol [Benzenemethanol, 4-chloro-.alpha.-4-(chlorophenyl)-.alpha.-(trichloromethyl)-]						x
	Glyoxal						
107-22-2	Glyoxal					x	
	Methoxone						
94-74-6	Methoxone ((4-chloro-2-methylphenoxy)acetic acid) / MCP / MCPA					x	x
3653-48-3	Methoxone sodium salt						x
	Pronamide						
23950-58-5	Pronamide (3,5-dichloro-N-(1,1-dimethyl-2-propynyl)benzamide)					x	x
	Pendimethalin						
40487-42-1	Pendimethalin (N-(1-ethylpropyl)-2,6-dinitro-3,4-xylidine)					x	x
	Amitrole						
61-82-5	Amitrole (3-amino-1H-1,2,4-triazole)						x
	Naled						
300-76-5	Naled (1,2-dibromo-2,2-dichloroethyl dimethyl phosphate)						x
	Quintozene						
82-68-8	Quintozene (pentachloronitrobenzene)						x
	Linuron						
330-55-2	Linuron (3-(3,4-dichlorophenyl)-1-methoxy-1-methylurea)					x	x
	Diazinon						
333-41-5	Diazinon (O,O-diethyl O-2-isopropyl-6-methyl-4-pyrimidinyl phosphorothioate)					x	x
	Dazomet						
533-74-4	Dazomet (2-thiono-3,5-dimethyltetrahydro-2H-1,3,5-thiadiazine)					x	x
53404-60-7	Dazomet, sodium salt						x
	Trichlorfon						
52-68-6	Trichlorfon (dimethyl 2,2,2-trichloro-1-hydroxyethylphosphonate)					x	x
	Benomyl						
17804-35-2	Benomyl (methyl N-[1-(N-n-butylcarbamoyl)-1H-2-benzimidazolyl]carbamate)					x	x
	Thiobencarb						
28249-77-6	Thiobencarb (S-4-chlorobenzyl N,N-diethylthiocarbamate)					x	x
	Amitraz						
33089-61-1	Amitraz (3-methyl-1,5-di(2,4-xylyl)-1,3,5-triazapenta-1,4-diene)					x	x
	Propanil						
709-98-8	Propanil (3',4'-dichloropropionanilide)						x
	Sulprofos						
35400-43-2	Sulprofos (O-ethyl O-4-(methylthio)phenyl S-n-propyl phosphorodithioate)						x
	Profenofos						
41198-08-7	Profenofos (O-4-bromo-2-chlorophenyl O-ethyl S-propyl phosphorothioate)					x	x
	Permethrin						
52645-53-1	Permethrin (3-phenoxybenzyl 3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate)					x	x
	Quizalofop-ethyl						
76578-14-8	Quizalofop-ethyl (ethyl 2-[4-(6-chloro-2-quinoxalinyloxy)phenoxy]propionate)					x	x
	Dichlorvos / DDVP						
62-73-7	Dichlorvos (dimethyl 2,2-dichlorovinyl phosphate)					x	x
	Chloropicrin						
76-06-2	Chloropicrin (trichloronitromethane)					x	x
	Carbaryl / NAC						
63-25-2	Carbaryl (1-naphthyl N-methylcarbamate)					x	x
	Chlorothalonil						
1897-45-6	Chlorothalonil (tetrachloroisophthalonitrile)					x	x
	Paraquat dichloride / paraquat						
1910-42-5	Paraquat dichloride (1,1'-dimethyl-4,4'-bipyridinium dichloride)					x	x
	fenitrothion / MEP						
122-14-5	fenitrothion (O,O-dimethyl O-3-methyl-4-nitrophenyl phosphorothioate)					x	
	Fenthion						
55-38-9	Fenthion (O,O-dimethyl O-3-methyl-4-nitrophenyl phosphorothioate)					x	x
	Molinate						
2212-67-1	Molinate (S-ethyl hexahydro-1H-azepine-1-carbothioate)					x	x
	Propargite / BPPS						
2312-35-8	Propargite (2-(4-tert-butylphenoxy)cyclohexyl 2-propynyl sulfite)					x	x
	Chinomethionat						
2439-01-2	Chinomethionat (6-methyl-1,3-dithiolo[4,5-b]quinoxalin-2-one)						x
	Famphur						
52-85-7	Famphur						x
	Tebuthiuron						
34014-18-1	Tebuthiuron						x
	Sethoxydim						
74051-80-2	Sethoxydim						x
	Thiodicarb						
59669-26-0	Thiodicarb / 3,7,9,13-tetramethyl-5,11-dioxa-2,8,14-trithia-4,7,9,12-tetraazapentadeca-3,12-diene-6,10-dione					x	x

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	Mecoprop						
93-65-2	Mecoprop						x
	Aldicarb						
116-06-3	Aldicarb						x
	Captan						
133-06-2	Captan						x
	Folpet						
133-07-3	Folpet						x
	Chloramben						
133-90-4	Chloramben						x
	Ferbam						
14484-64-1	Ferbam						x
	Parathion						
56-38-2	Parathion						x
298-00-0	Methylparathion						x
	Pirimiphos methyl						
29232-93-7	Pirimiphos methyl / O-2-diethylamino-6-methylpyrimidin-4-yl O,O-dimethyl phosphorothioate					x	x
	Diflubenzuron						
35367-38-5	Diflubenzuron						x
	Metham sodium						
137-42-8	Metham sodium						x
	Fenpropathrin						
39515-41-8	Fenpropathrin / (RS)-alpha-cyano-3-phenoxybenzyl 2,2,3,3-tetramethylcyclopropanecarboxylate					x	x
	Hydramethylnon						
67485-29-4	Hydramethylnon						x
	Abamectin						
71751-41-2	Abamectin						x
	Lactofen						
77501-63-4	Lactofen						x
	Nabam						
142-59-6	Nabam						x
	Thiabendazole						
148-79-8	Thiabendazole						x
	Merphos						
150-50-5	Merphos						x
	Monuron						
150-68-5	Monuron						x
	Methoxychlor						
72-43-5	Methoxychlor						x
	Tetramethrin						
7696-12-0	Tetramethrin / cyclohex-1-ene-1,2-dicarboximidomethyl (1RS)-cis-trans-2,2-dimethyl-3-(2-methylprop-1-enyl)cyclopropanecarboxylate					x	x
	Resmethrin						
10453-86-8	Resmethrin						x
	Ethoprop						
13194-48-4	Ethoprop						x
	Oxydemeton methyl						
301-12-2	Oxydemeton methyl						x
	Desmedipham						
13684-56-5	Desmedipham						x
	Oryzalin						
19044-88-3	Oryzalin						x
	Bromacil						
314-40-9	Bromacil / 5-bromo-3-sec-butyl-6-methyl-1,2,3,4-tetrahydropyrimidine-2,4-dione					x	x
53404-19-6	Bromacil, lithium salt						x
	Bendiocarb						
22781-23-3	Bendiocarb						x
	Phenothrin						
26002-80-2	Phenothrin						x
	Triforine						
26644-46-2	Triforine						x
	Propetamphos						
31218-83-4	Propetamphos						x
	Imazalil						
35554-44-0	Imazalil						x
	Triadimefon						
43121-43-3	Triadimefon						x
	Triclopyr						
55335-06-3	(3,5,6-trichloro-2-pyridyl)oxyacetic acid (Triclopyr)					x	
57213-69-1	Triclopyr triethylammonium salt						x
	Propiconazole						
60207-90-1	Propiconazole / mixture of (2RS,4RS)-1-[2-(2,4-dichlorophenyl)-4-propyl-1,3-dioxolan-2-ylmethyl]-1H-1,2,4-triazole and (2RS,4SR)-1-[2-(2,4-dichlorophenyl)-4-propyl-1,3-dioxolan-2-ylmethyl]-1H-1,2,4-triazole					x	x
	Cyfluthrin						
68359-37-5	Cyfluthrin						x
	Fluazifop butyl						
69806-50-4	Fluazifop butyl						x
	Fenoxycarb						
72490-01-8	Fenoxycarb						x

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	Chlorobenzilate						
510-15-6	Chlorobenzilate						x
	Bifenthrin						
82657-04-3	Bifenthrin						x
	Terbacil						
5902-51-2	Terbacil						x
	Mevinphos						
7786-34-7	Mevinphos						x
	Metiram						
9006-42-2	Metiram						x
	Ametryn						
834-12-8	Ametryn						x
	Diphenamid						
957-51-7	Diphenamid						x
	Pebulate						
1114-71-2	Pebulate						x
	Cycloate						
1134-23-2	Cycloate						x
	Methazole						
20354-26-1	Methazole						x
	Cyanazine						
21725-46-2	Cyanazine					x	x
	Isofenphos						
25311-71-1	Isofenphos						x
	Norflurazon						
27314-13-2	Norflurazon						x
	Bromoxynil						
1689-84-5	Bromoxynil						x
1689-99-2	Bromoxynil octanoate						x
	Nitrofen						
1836-75-5	Nitrofen						x
	Diethatyl ethyl						
38727-55-8	Diethatyl ethyl						x
	Benfluralin						
1861-40-1	Benfluralin						x
	Dinocap						
39300-45-3	Dinocap						x
	Oxyfluorfen						
42874-03-3	Oxyfluorfen						x
	Dicamba						
1918-00-9	Dicamba						x
1982-69-0	Sodium dicamba						x
2300-66-5	Dimethylamine dicamba						x
	Vinclozolin						
50471-44-8	Vinclozolin / (RS)-3-(3,5-dichlorophenyl)-5-methyl-5-vinyl-1,3-oxazolidine-2,4-dione					x	x
	Picloram						
1918-02-1	Picloram						x
	Propachlor						
1918-16-7	Propachlor						x
	Hexazinone						
51235-04-2	Hexazinone						x
	Diclofop methyl						
51338-27-3	Diclofop methyl						x
	Nitrapyrin						
1929-82-4	Nitrapyrin						x
	Dimethipin						
55290-64-7	Dimethipin						x
	Methiocarb						
2032-65-7	Methiocarb						x
	Fenarimol						
60168-88-9	Fenarimol						x
	Acifluorfen, sodium salt						
62476-59-9	Acifluorfen, sodium salt						x
	Chlorsulfuron						
64902-72-3	Chlorsulfuron						x
	Dipotassium endothall						
2164-07-0	Dipotassium endothall						x
	Fenoxaprop ethyl						
66441-23-4	Fenoxaprop ethyl						x
	Fluometuron						
2164-17-2	Fluometuron						x
	Cyhalothrin						
68085-85-8	Cyhalothrin						x
	Fluvalinate						
69409-94-5	Fluvalinate						x
	Fomesafen						
72178-02-0	Fomesafen						x
	Allate						
2303-16-4	Diallate						x
2303-17-5	Triallate						x
	Anilazine						
101-05-3	Anilazine						x
	Myclobutanil						

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88671-89-0	Myclobutanil / 2-(4-chlorophenyl)-2-(1H-1,2,4-triazol-1-ylmethyl)hexanenitrile					x	x
	Dodine						
2439-10-3	Dodine						x
	Chlorimuron ethyl						
90982-32-4	Chlorimuron ethyl						x
	Tribenuron methyl						
101200-48-0	Tribenuron methyl						x
	Temephos						
3383-96-8	Temephos						x
	Fenvalerate						
51630-58-1	Fenvalerate (α-cyano-3-phenoxybenzyl 2-(4-chlorophenyl)-3-methylbutyrate)						x
	Propoxur						
114-26-1	Propoxur (2-isopropoxyphenyl N-methylcarbamate)						x
	Malathion / malathon						
121-75-5	Malathion (O,O-dimethyl S-1,2-bis(ethoxycarbonyl)ethyl phosphorodithioate)					x	x
	Dimethoate						
60-51-5	Dimethoate (O,O-dimethyl S-(N-methylcarbamoyl)methyl phosphorodithioate)					x	x
	Hexachlorophene						
70-30-4	Hexachlorophene		x				x
	Methyl isothiocyanate						
556-61-6	Methyl isothiocyanate					x	x
	Thiophanate						
23564-05-8	Thiophanate methyl / dimethyl 4,4'-(o-phenylene)bis(3-thioallophanate)					x	x
23564-06-9	Thiophanate ethyl						x
	Cyhalofop / cyhalofop-butyl						
122008-85-9	butyl (R)-2-[4-(4-cyano-2-fluorophenoxy)phenoxy]propionate					x	
	Disulfuton / ethylthiometon						
298-04-4	O,O-diethyl S-2-(ethylthio)ethyl phosphorodithioate					x	
	Fenothiocarb						
62850-32-2	S-4-phenoxybutyl N,N-dimethylthiocarbamate					x	
	Halosulfuron-Methyl						
100784-20-1	methyl 3-chloro-5-(4,6-dimethoxy-2-pyrimidinylcarbamoylsulfamoyl)-1-methylpyrazole-4-carboxylate					x	
	Fumazone						
96-12-8	1,2-dibromo3-chloropropane						x
	Difenoconazole						
119446-68-3	1-({2-[2-chloro-4-(4-chlorophenoxy)phenyl]-4-methyl-1,3-dioxolan-2-yl}methyl)-1H-1,2,4-triazole					x	
	Prothiofos						
34643-46-4	O-2,4-dichlorophenyl O-ethyl S-propyl phosphorodithioate					x	
	Dichlorophene						
97-23-4	Dichlorophene						x
	Bromol						
118-79-6	2,4,6-tribromophenol					x	
	Prometryn						
7287-19-6	Prometryn						x
	Dichloran						
99-30-9	Dichloran						x
	Maneb						
12427-38-2	Maneb [Carbamodithioic acid, 1,2-ethanediylbis-,manganese complex] / manganese N,N'-ethylenebis(dithiocarbamate) (Jpn)					x	x
	Methidathion / DMTP						
950-37-8	S-(2,3-dihydro-5-methoxy-2-oxo-1,3,4-thiadiazol-3-yl)methyl O,O-dimethyl phosphorodithioate					x	
	Tetrachlorvinphos						
961-11-5	Tetrachlorvinphos						x
	Isoxathion						
18854-01-8	O,O-diethyl O-5-phenyl-3-isoxazolyl phosphorothioate					x	
	Kitazin P / iprobenfos / IBP						
26087-47-8	S-benzyl O,O-diisopropyl phosphorothioate					x	
	dichlobenil / DBN						
1194-65-6	2,6-dichlorobenzonitrile					x	
	Edifenphos / EDDP						
17109-49-8	O-ethyl S,S-diphenyl phosphorodithioate					x	
	Pyraclofos						
77458-01-6	O-1-(4-chlorophenyl)-4-pyrazolyl O-ethyl S-propyl phosphorothioate					x	
	Oxidiazon						
19666-30-9	Oxidiazon / 5-tert-butyl-3-(2,4-dichloro-5-isopropoxyphenyl)-1,3,4-oxadiazol-2(3H)-one					x	x
	Acephate						
30560-19-1	Acephate / (RS)-O,S-dimethyl acetylphosphoramidothioate					x	x
	Metacide 38						
35691-65-7	1-bromo-1-(bromomethyl)-1,3-propanedicarbonitrile						x
	Metolachlor						
51218-45-2	2-chloro-2'-ethyl-N-(2-methoxy-1-methylethyl)-6'-methylacetanilide					x	
	3-iodo-2-propynyl butylcarbamate						
55406-53-6	3-iodo-2-propynyl butylcarbamate						x
	Mefenacet						
73250-68-7	2-(2-benzothiazolyloxy)-N-methylacetanilide					x	

Long Chemical List

Pollutant		Covered by PRTR?					
CAS Number	Pollutant Name	Australia NPI	Canada NPRI	EU E-PRTR	Kiev Protocol	Japan PRTR	US TRI
	Clofentezine						
74115-24-5	3,6-bis(2-chlorophenyl)-1,2,4,5-tetrazine					x	
	Phosalone						
2310-17-0	O,O-diethyl S-(6-chloro-2,3-dihydro-2-oxobenzoxazolinyl)methyl phosphorodithioate					x	
	Carbofuran						
1563-66-2	Carbofuran / 2,3-dihydro-2,2-dimethyl-7-benzo[b]furanyl N-methylcarbamate					x	x
	Phenthoate / PAP						
2597-03-7	ethyl 2-[(dimethoxyphosphinothioyl)thio]-2-phenylacetate					x	
	Tebufenpyrad						
119168-77-3	N-(4-tert-butylbenzyl)-4-chloro-3-ethyl-1-methylpyrazole-5-carboxamide					x	
	Cafenstrole						
125306-83-4	N,N-diethyl-3-(2,4,6-trimethylphenylsulfonyl)-1H-1,2,4-triazole-1-carboxamide					x	
	Fipronil						
120068-37-3	5-amino-1-[2,6-dichloro-4-(trifluoromethyl)phenyl]-3-cyano-4-[(trifluoromethyl)sulfinyl]pyrazole					x	
	Isoprocarb / MIPC						
2631-40-5	2-isopropylphenyl N-methylcarbamate					x	
	Landrin						
2655-15-4	2,3,5-trimethylphenyl methylcarbamate						x
	2,4-D chlorocrotyl ester						
2971-38-2	2,4-D chlorocrotyl ester						x
	Fenobucarb / BPMC						
3766-81-2	2-sec-butylphenyl N-methylcarbamate					x	
	D-trans-allethrin						
28057-48-9	D-trans-allethrin						x
	Dowicil 200						
4080-31-3	1-(3-chloroallyl)-3,5,7-triaza-1-azoniaadamantane chloride						x
	N-nitrosomethylvinylamine						
4549-40-0	N-nitrosomethylvinylamine						x
	Carboxin						
5234-68-4	Carboxin						x
	Thiram						
137-26-8	Thiram (tetramethylthiuram disulfide)					x	x
	Sodium fluoroacetate						
62-74-8	Sodium fluoroacetate						x
	Beta-propiolactone						
57-57-8	Beta-propiolactone						x
	Dipropyl isocinchomeronate						
136-45-8	Dipropyl isocinchomeronate						x
Colors and dyes							
	C.I. Fluorescent 260						
16090-02-1	disodium2,2'-vinylenebis[5-(4-morpholino-6-anilino-1,3,5-triazin-2-ylamino)benzenesulfonate]					x	
	5'-[N,N-bis(2-acetyloxyethyl)amino]-2'-(2-bromo-4,6-dinitrophenylazo)-4'-methoxyacetanilide						
3618-72-2	5'-[N,N-bis(2-acetyloxyethyl)amino]-2'-(2-bromo-4,6-dinitrophenylazo)-4'-methoxyacetanilide					x	
	C.I. Food Red						
3761-53-3	C.I. Food Red 5						x
81-88-9	C.I. Food Red 15		x				x
	C.I. Solvent Yellow						
60-09-3	C.I. Solvent Yellow 3 / 4-aminoazobenzene						x
97-56-3	C.I. Solvent Yellow 3						x
492-80-8	C.I. Solvent Yellow 34						x
842-07-9	C.I. Solvent Yellow 14		x				x
	C.I. Basic Green						
569-64-2	C.I. Basic Green 4		x				x
	C.I. Vat Yellow						
128-66-5	C.I. Vat Yellow 4						x
	C.I. Basic Red						
989-38-8	C.I. Basic Red 1		x				x
	C.I. Direct Black						
1937-37-7	C.I. Direct Black 38						x
	C.I. Direct Blue						
2602-46-2	C.I. Direct Blue 6						x
28407-37-6	C.I. Direct Blue 218		x				x
	C.I. Disperse Yellow						
2832-40-8	C.I. Disperse Yellow 3		x				x
	C.I. Solvent Orange						
3118-97-6	C.I. Solvent Orange 7		x				x
	C.I. Acid Green						
4680-78-8	C.I. Acid Green 3		x				x
	C.I. Acid Red						
6459-94-5	C.I. Acid Red 114						x
	C.I. Direct Brown						
16071-86-6	C.I. Direct Brown 95						x
	Trypan blue						
72-57-1	Trypan blue						x
Active pharmaceutical ingredient (API)							
	Fluorouracil						
51-21-8	Fluorouracil						x

Pollutant		Covered by PRTR?					
CAS Number	Pollutant Name	Australia NPI	Canada NPRI	EU E-PRTR	Kiev Protocol	Japan PRTR	US TRI
	disulfiram						
97-77-8	tetraethylthiuram disulfide / disulfiram					x	
	Nicotine						
LCL-108	Nicotine and salts						x
	Phenytoin						
57-41-0	Phenytoin						x
	Pentobarbital sodium						
57-33-0	Pentobarbital sodium						x
	Tetracycline hydrochloride						
64-75-5	Tetracycline hydrochloride		x				x
	Triaziquone						
68-76-8	Triaziquone						x
	Warfarin						
LCL-109	Warfarin and salts						x
Non-grouped organic substances							
75-08-1	ethanethiol					x	
25103-58-6	tert-dodecanethiol					x	
420-04-2	cyanamide					x	
17796-82-6	N-(cyclohexylthio)phthalimide					x	
4979-32-2	N,N-dicyclohexyl-2-benzothiazolesulfenamide					x	
505-32-8	3,7,11,15-tetramethylhexadec-1-en-3-ol / isophytol					x	
112-57-2	3,6,9-triazaundecane-1,11-diamine / tetraethylenepentamine					x	
112-24-3	triethylenetetramine					x	
99-76-3	methyl 4-hydroxybenzoate					x	
103-90-2	N-(4-hydroxyphenyl)acetamide					x	
941-69-5	N-phenylmaleimide					x	
2426-08-6	n-butyl-2,3-epoxypropyl ether					x	
25013-16-5	butylhydroxyanisole / BHA					x	
LCL-110	water-soluble salts of peroxodisulfuric acid					x	
674-82-8	4-methylideneoxetan-2-one					x	
3268-49-3	3-methylthiopropanal					x	
110-91-8	morpholine					x	
78-42-2	tris(2-ethylhexyl) phosphate					x	
1330-78-5	tritolyl phosphate					x	
115-86-6	triphenyl phosphate					x	
552-30-7	1,2,4-benzenetricarboxylic 1,2-anhydride					x	
100-97-0	1,3,5,7-tetraazatricyclo[3.3.1.13.7]decane / hexamethylenetetramine					x	
100-37-8	2-(diethylamino)ethanol					x	
4162-45-2	2,2'-{isopropylidenebis[(2,6-dibromo-4,1-phenylene)oxy]}diethanol					x	
78-67-1	2,2'-azobisisobutyronitrile					x	
541-53-7	2,4-Dithiobiuret						x
53-96-3	2-acetylaminofluorene						x
141-43-5	2-aminoethanol					x	
75-86-5	2-methyllactonitrile / acetone cyanohydrin					x	x
101-80-4	4,4'-Diaminodiphenyl ether					x	x
101-61-1	4,4'-methylenebis(N,N-dimethyl)benzeneamine						x
92-67-1	4-aminobiphenyl						x
60-11-7	4-dimethylaminoazobenzene						x
92-93-3	4-nitrobiphenyl						x
100-40-3	4-vinyl-1-cyclohexene					x	
60-35-5	Acetamide						x
134-32-7	alpha-naphthylamine						x
55-21-0	Benzamide						x
91-59-8	beta-naphthylamine						x
111-44-4	Bis(2-chloroethyl) ether						x
542-88-1	Bis(chloromethyl)ether						x
107-30-2	Chloromethyl methyl ether						x
115-10-6	Dimethylether		x				
123-86-4	Butyl acetate:n-		x				
LCL-111	Dihydronapthalene (all isomers)		x				
7379-12-6	Methyl-3-hexanone,2-		x				
27133-93-3	Methylindan (all isomers)		x				
103-71-9	Phenyl isocyanate		x				
420-56-4	Trimethylfluorosilane		x				
135-20-6	Cupferron						x
132-64-9	Dibenzofuran						x
101-90-6	Diglycidyl resorcinol ether / 1,3-bis[(2,3-epoxypropyl)oxy]benzene					x	x
138-93-2	Disodium cyanodithioimidocarbonate						x
759-94-4	Ethyl dipropylthiocarbamate						x
112-02-7	hexadecyltrimethylammonium chloride					x	
124-09-4	hexamethylenediamine					x	
680-31-9	Hexamethylphosphoramide						x
74-93-1	Methyl mercaptan (methanethiol) (USA: on TRI list, but reporting requirements currently suspended)						x
109-77-3	Malononitrile						x
79-22-1	Methyl chlorocarbonate						x
624-83-9	Methyl isocyanate						x
95-31-8	N-(tert-butyl)-2-benzothiazolesulfenamide					x	
1643-20-5	N,N-dimethyldodecylamine N-oxide					x	
924-42-5	N-Methylolacrylamide		x				x
55-18-5	N-nitrosodiethylamine						x
62-75-9	N-nitrosodimethylamine						x
924-16-3	N-nitrosodi-N-butylamine						x
621-64-7	N-nitrosodi-N-propylamine						x
59-89-2	N-nitrosomorpholine						x
759-73-9	N-nitroso-N-ethylurea						x
684-93-5	N-nitroso-N-methylurea						x
16543-55-8	N-nitrosonornicotine						x
100-75-4	N-nitrosopiperidine						x

Long Chemical List

Pollutant		Covered by PRTR?					
CAS Number	Pollutant Name	Australia NPI	Canada NPRI	EU E-PRTR	Kiev Protocol	Japan PRTR	US TRI
104-12-1	P-chlorophenyl isocyanate						x
110-85-0	Piperazine					x	
51-03-6	Piperonyl butoxide						x
1120-71-4	Propane sultone						x
78-48-8	S,S,S-tributyltrithiophosphate						x
81-07-2	Saccharin (Manufacturing, no supplier notification)						x
132-27-4	Sodium O-phenylphenoxide						x
11070-44-3	Tetrahydromethylphthalic anhydride					x	
62-55-5	Thioacetamide						x
79-19-6	Thiosemicarbazide						x
126-73-8	tri-n-butyl phosphate					x	
115-96-8	Tris(2-chloroethyl) phosphate					x	
51-79-6	Urethane						x
105-60-2	ε-caprolactam					x	

Pollutant		Thresholds, Australia: NPI						
CAS Number	Pollutant Name	Chemical Category	Usage (kg/year)	Annual Emission / Transfer (kg/year)	Fuel Combusted: Annual (kg/year)	Fuel Combusted: Hourly (kg/hr)	Energy Use (MWh)	Power Rating (MW)
Persistent Organic Pollutants (POPs)								
	Pesticides							
309-00-2	Aldrin							
57-74-9	Chlordane							
50-29-3	DDT / 1,1,1-trichloro-2,2-bis(4-chlorophenyl)ethane							
60-57-1	Dieldrin							
72-20-8	Endrin							
76-44-8	Heptachlor							
2385-85-5	Mirex							
8001-35-2	Toxaphene							
319-84-6	alpha-hexachlorocyclohexane							
319-85-7	beta-hexachlorocyclohexane							
58-89-9	Lindane (E-PRTR) / gamma-hexachlorocyclohexane / Lindane [Cyclohexane, 1,2,3,4,5,6-hexachloro-,(1.alpha.,2.alpha.,3.beta.,4.alpha.,5.alpha.,6.beta.)-] (USA)							
143-50-0	Chlordecone							
608-93-5	Pentachlorobenzene							
	Industrial chemicals							
118-74-1	Hexachlorobenzene (HCB)	1	10,000					
1336-36-3	Polychlorinated biphenyls (PCBs)	1	10,000					
36355-01-8	Hexabromobiphenyl / USA: listed in TRI as member of Polybrominated Biphenyls (PBBs)							
68631-49-2	2,2',4,4',5,5'-hexabromodiphenyl ether (BDE-153), as Hexabromodiphenyl ether and heptabromodiphenyl ether (commercial octabromodiphenyl ether)							
207122-15-4	2,2',4,4',5,6'-hexabromodiphenyl ether (BDE-154), as Hexabromodiphenyl ether and heptabromodiphenyl ether (commercial octabromodiphenyl ether)							
446255-22-7	2,2',3,3',4,5',6-heptabromodiphenyl ether (BDE-175), as Hexabromodiphenyl ether and heptabromodiphenyl ether (commercial octabromodiphenyl ether)							
207122-16-5	2,2',3,4,4',5',6-heptabromodiphenyl ether (BDE-183), as Hexabromodiphenyl ether and heptabromodiphenyl ether (commercial octabromodiphenyl ether)							
5436-43-1	Tetrabromodiphenyl ether, as Tetrabromodiphenyl ether and pentabromodiphenyl ether (commercial pentabromodiphenyl ether)							
60348-60-9	Pentabromodiphenyl ether, as Tetrabromodiphenyl ether and pentabromodiphenyl ether (commercial pentabromodiphenyl ether)							
LCL-1	Perfluorooctane sulfonic acid (PFOS), its salts and perfluorooctane sulfonyl fluoride (PFOS-F) / Jpn: perfluoro(octane-1-sulfonic acid)							
	Polychlorinated dioxins and furans							
LCL-2	Dioxins and furans / Polychlorinated dioxins and furans (as TEQ) / Dioxin and Dioxin-Like Compounds (Cdn: Facilities are required to report to the NPRI on individual dioxin and furan congeners in grams, unless information is not available. In this case, facilities are required to report on total dioxins and furans in grams toxic equivalent (I-TEQ))	2b			2,000,000		60,000	20
LCL-3	Dioxins (Jpn: in accordance with WHO: The chemical name for dioxin is: 2,3,7,8- tetrachlorodibenzo para dioxin (TCDD). The name "dioxins" is often used for the family of structurally and chemically related polychlorinated dibenzo para dioxins (PCDDs) and polychlorinated dibenzofurans (PCDFs). Certain dioxin-like polychlorinated biphenyls (PCBs) with similar toxic properties are also included under the term “dioxins”. Some 419 types of dioxin-related compounds have been identified but only about 30 of these are considered to have significant toxicity, with TCDD being the most toxic.							
67562-39-4	1,2,3,4,6,7,8-Heptachlorodibenzofuran (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category							
55673-89-7	1,2,3,4,7,8,9-Heptachlorodibenzofuran (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category							
35822-46-9	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category							
70648-26-9	1,2,3,4,7,8-Hexachlorodibenzofuran (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category							
72918-21-9	1,2,3,7,8,9-Hexachlorodibenzofuran (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category							
57117-44-9	1,2,3,6,7,8-Hexachlorodibenzofuran (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category							
60851-34-5	2,3,4,6,7,8-Hexachlorodibenzofuran (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category							
39227-28-6	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category							
19408-74-3	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category							
57653-85-7	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category							
39001-02-0	Octachlorodibenzofuran (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category							

Long Chemical List

Pollutant		Thresholds, Australia: NPI						
CAS Number	Pollutant Name	Chemical Category	Usage (kg/year)	Annual Emission / Transfer (kg/year)	Fuel Combusted: Annual (kg/year)	Fuel Combusted: Hourly (kg/hr)	Energy Use (MWh)	Power Rating (MW)
3268-87-9	Octachlorodibenzo-p-dioxin (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category							
57117-31-4	2,3,4,7,8-Pentachlorodibenzofuran (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category							
57117-41-6	1,2,3,7,8-Pentachlorodibenzofuran (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category							
40321-76-4	1,2,3,7,8-Pentachlorodibenzo-p-dioxin (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category							
51207-31-9	2,3,7,8-Tetrachlorodibenzofuran (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category							
1746-01-6	2,3,7,8-Tetrachlorodibenzo-p-dioxin (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category							
Metals								
	Antimony and its compounds							
7440-36-0	Antimony							
LCL-4	Antimony Compounds							
LCL-5	Antimony and its compounds	1	10,000					
	Arsenic and its compounds							
7440-38-2	Arsenic							
LCL-6	Arsenic Compounds							
LCL-7	Arsenic and its compounds / Arsenic and compounds (as As)	1, 2b	10,000		2,000,000		60,000	20
	Boron and its compounds							
LCL-8	Boron & compounds / boron and its compounds /Jpn: Boron compounds	1	10,000					
10294-34-5	Boron trichloride							
7637-07-2	Boron trifluoride							
	Cadmium and its compounds							
7440-43-9	Cadmium							
LCL-9	Cadmium Compounds							
LCL-10	Cadmium and its compounds / Cadmium and compounds (as Cd)	1, 2b	10,000		2,000,000		60,000	20
	Chromium and its compounds							
LCL-11	Chromium and compounds (as Cr) (E-PRTR: total mass in all chemical forms)							
7440-47-3	Chromium							
LCL-12	Chromium Compounds (except chromite ore mined in the Transvaal region)							
LCL-13	Chromium (and its compounds), excludes hexavalent chromium (and its compounds)							
LCL-14	Chromium III compounds / chromium and chromium(III) compounds	1, 2b	10,000		2,000,000		60,000	20
LCL-15	Chromium VI compounds / Hexavalent chromium (and its compounds)	1, 2b	10,000		2,000,000		60,000	20
	Cobalt and its compounds							
7440-48-4	Cobalt							
LCL-16	Cobalt Compounds							
LCL-17	Cobalt and its compounds	1	10,000					
	Copper and its compounds							
7440-50-8	Copper							
LCL-18	Copper Compounds							
LCL-19	Copper and its compounds / Copper and compounds (as Cu) / (Jpn: copper salts (water-soluble, except complex salts))	1, 2b	10,000		2,000,000		60,000	20
10380-28-6	bis(8-quinolinolato)copper (USA: included as "copper compound")							
	Lead and its compounds							
7439-92-1	Lead (USA: when lead is contained in stainless steel, brass or bronze alloys the de minimis level is 0.1)							
LCL-20	Lead Compounds							
LCL-21	Lead and its compounds / Lead and compounds as (Pb)	1, 2b	10,000		2,000,000		60,000	20
LCL-22	Lead and its compounds except tetraethyl lead							
78-00-2	Tetraethyl lead (USA: included as "lead compound")							
	Manganese and its compounds							
7439-96-5	Manganese							
LCL-23	Manganese Compounds							
LCL-24	Manganese and its compounds	1	10,000					
	Mercury and its compounds							
7439-97-6	Mercury							
LCL-25	Mercury Compounds							
LCL-26	Mercury and its compounds / Mercury and compounds (as Hg)	1b, 2b	5		2,000,000		60,000	20
	Nickel and its compounds							
7440-02-0	Nickel							
LCL-27	Nickel Compounds							
LCL-28	Nickel and its compounds / Nickel and compounds (as Ni)	1, 2b	10,000		2,000,000		60,000	20
12035-72-2	Nickel subsulfide (USA and Canada: included as "nickel compound")	1	10,000					
13463-39-3	Nickel carbonyl (USA and Canada: included as "nickel compound")	1	10,000					
	Selenium and its compounds							
7782-49-2	Selenium							
LCL-29	Selenium Compounds							
LCL-30	Selenium and its compounds	1	10,000					
	Zinc and its compounds							
7440-66-6	Zinc (fume or dust)							
LCL-31	Zinc Compounds							
LCL-32	Zinc and its compounds / Zinc and compounds (as Zn) / zinc compounds (water-soluble) (Jpn)	1	10,000					

Pollutant		Thresholds, Australia: NPI						
CAS Number	Pollutant Name	Chemical Category	Usage (kg/year)	Annual Emission / Transfer (kg/year)	Fuel Combusted: Annual (kg/year)	Fuel Combusted: Hourly (kg/hr)	Energy Use (MWh)	Power Rating (MW)
137-30-4	zinc bis(N,N'-dimethyldithiocarbamate) (USA: included as "zinc compound") / ziram							
12122-67-7	Zineb [Carbamodithioic acid, 1,2-ethanediyibis-, zinc complex]							
12071-83-9	polymer of N,N'-propylenebis(dithiocarbamic acid)and zinc / propineb							
64440-88-6	N,N'-ethylenebis(thiocarbamoylthiozinc) bis(N,N-dimethyldithiocarbamate) or polymer of N,N'-propylenebis(dithiocarbamic acid) and zinc (USA: included as "zinc compound")							
	Beryllium and its compounds							
7440-41-7	Beryllium							
LCL-33	Beryllium Compounds							
LCL-34	Beryllium and its compounds	1, 2b	10,000		2,000,000		60,000	20
	Silver and its compounds							
7440-22-4	Silver							
LCL-35	Silver Compounds							
LCL-36	Silver and its compounds / Jpn: water-soluble compounds							
	Vanadium and its compounds							
7440-62-2	Vanadium (except when contained in an alloy)							
LCL-37	Vanadium compounds							
	Aluminum and compounds							
7429-90-5	Aluminum (fume or dust)							
1344-28-1	Aluminum oxide (fibrous forms)							
20859-73-8	Aluminum phosphide							
	Barium and its compounds							
7440-39-3	Barium							
LCL-38	Barium Compounds (USA: excl. Barium sulfate CAS Number 7727-43-7)							
	Indium and its compounds							
LCL-39	Indium and its compounds							
	Iron and its compounds							
7705-08-0	ferric chloride							
13463-40-6	Iron pentacarbonyl							
	Lithium and its compounds							
554-13-2	Lithium carbonate							
	Magnesium and its compounds							
1309-48-4	Magnesium oxide fume	1, 2b	10,000		2,000,000		60,000	20
	Molybdenum and its compounds							
LCL-40	Molybdenum and its compounds							
1313-27-5	Molybdenum trioxide							
	Osmium and its compounds							
20816-12-0	Osmium tetroxide							
	Thallium and its compounds							
7440-28-0	Thallium							
LCL-41	Thallium Compounds							
	Titanium tetrachloride							
7550-45-0	Titanium tetrachloride							
	Zirconium							
7699-43-6	zirconium dichloride oxide							
Inorganic substances								
	Asbestos							
1332-21-4	Asbestos / Cdn, USA: Asbestos (friable)							
	Cyanides (as total CN)							
LCL-42	Cyanides (as total CN) (E-PRTR) / Cyanide compounds (X+CN- where X = H+ or any other group where a formal dissociation can be made) (USA) / Cyanide (inorganic) compounds (Aus) / inorganic cyanide compounds (except complex salts and cyanates) (Japan) / Cyanides (ionic) (Cdn)	1	10,000					
74-90-8	Hydrogen cyanide							
	Fluorides (as total F)							
LCL-43	Fluorides (as total F) / Jpn: hydrogen fluoride and its water-soluble salts							
LCL-44	Fluoride compounds	1, 2a, 2b	10,000		400,000	1,000	60,000	20
7664-39-3	Hydrogen fluoride							
7681-49-4	Sodium fluoride							
7789-75-5	Calcium fluoride							
	Phosphorus							
LCL-45	Phosphorus (total)	3		3,000				
LCL-46	Phosphorus (total, excluding yellow or white phosphorus)							
7723-14-0	Phosphorus (yellow, white)							
	Nitrate							
LCL-47	Nitrate Compounds (water dissociable; reportable only when in aqueous solution)							
LCL-48	nitrate ion in solution at ph >= 6.0							
7697-37-2	Nitric Acid	1	10,000					
	Particulate matter							
LCL-49	PM - Total Particulate Matter (Canada: Particulate matter with a diameter less than 100 micrometres)							
LCL-50	PM10 - Particulate matter	2a, 2b			400,000	1,000	60,000	20
LCL-51	PM2.5 - Particulate Matter <= 2.5 Microns	2a, 2b			400,000	1,000	60,000	20
	Sulfate							
7664-93-9	Sulfuric acid / Sulfuric acid (acid aerosols including mists, vapors, gas, fog, and other airborne forms of any particle size) (USA)	1	10,000					
	Chloride (as Cl-)							
LCL-52	Chlorides (as total Cl)							
	Nitrite							

Long Chemical List

Pollutant		Thresholds, Australia: NPI						
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7632-00-0	Sodium nitrite							
	Potassium bromate							
07758-01-2	Potassium bromate							
	Phosphoric acid							
7664-38-2	Phosphoric acid	1	10,000					
	Sodium azide							
26628-22-8	Sodium azide							
	Thorium dioxide							
1314-20-1	Thorium dioxide							
	Total Nitrogen							
LCL-53	Total nitrogen	3		15,000				
	Total Sulphur							
LCL-54	Total Reduced Sulphur (TRS) (Total of hydrogen sulphide, carbon disulphide, carbonyl sulphide, dimethyl sulphide, dimethyl disulphide and methyl mercaptan, expressed as hydrogen sulphide)							
Chlorinated and brominated organic substances								
	Chlorinated ethanes and propanes							
107-06-2	1,2-Dichloroethane	1	10,000					
75-00-3	Chloroethane	1	10,000					
79-00-5	1,1,2-Trichloroethane	1	10,000					
71-55-6	1,1,1-trichloroethane							
79-34-5	1,1,2,2-Tetrachloroethane	1	10,000					
630-20-6	1,1,1,2-Tetrachloroethane							
75-34-3	Ethylidene dichloride (1,1-Dichloroethane)							
76-01-7	Pentachloroethane							
67-72-1	Hexachloroethane							
78-87-5	1,2-Dichloropropane							
96-18-4	1,2,3-Trichloropropane							
	Chlorinated ethenes and propenes							
75-01-4	Vinyl chloride (Chloroethylene)	1	10,000					
79-01-6	Trichloroethylene	1	10,000					
127-18-4	Tetrachloroethylene	1	10,000					
75-35-4	Vinylidene chloride (1,1-dichloroethylene)							
107-05-1	Allyl chloride (3-chloropropene)							
563-47-3	3-Chloro-2-methyl-1-propene							
156-59-2	cis-1,2-dichloroethylene							
540-59-0	1,2-Dichloroethylene							
542-75-6	1,3-Dichloropropylene / D-D							
78-88-6	2,3-dichloropropene							
10061-02-6	trans-1,3-dichloropropene							
	Chlorinated methanes							
75-09-2	Dichloromethane / methylene dichloride	1	10,000					
67-66-3	Trichloromethane / Chloroform	1	10,000					
56-23-5	Tetrachloromethane / Carbon tetrachloride							
74-87-3	Chloromethane / methyl chloride							
	Chlorobenzenes							
108-90-7	Chlorobenzene							
95-50-1	o-Dichlorobenzene; 1,2-Dichlorobenzene							
106-46-7	p-Dichlorobenzene; 1,4-Dichlorobenzene							
541-73-1	1,3-Dichlorobenzene							
25321-22-6	Dichlorobenzene (mixed isomers)							
12002-48-1	Trichlorobenzenes							
120-82-1	1,2,4-Trichlorobenzene							
	Brominated diphenylethers (PBDE)							
1163-19-5	Decabromodiphenyl ether							
LCL-55	Brominated diphenylethers (PBDE) (total mass of penta-BDE, octa-BDE and deca-BDE)							
	Short Chain Chlorinated Paraffins (SCCPs)							
85535-84-8	Chloro-alkanes (C10-C13) / Polychlorinated alkanes (C10 to C13) / Alkanes, C10-13, chloro							
LCL-56	Alkanes, C6-18, chloro (**attention**: short chain: only <C14!)							
	Brominated VOC							
75-25-2	Bromoform (Tribromomethane)							
74-95-3	Methylene bromide							
124-48-1	dibromochloromethane							
75-27-4	Dichlorobromomethane / bromodichloromethane							
106-93-4	1,2-Dibromoethane	1	10,000					
107-04-0	1-Bromo-2-chloroethane							
106-94-5	1-bromopropane							
75-26-3	2-bromopropane							
593-60-2	Vinyl bromide							
	Chlorinated toluenes and phenols							
95-57-8	o-chlorophenol							
106-48-9	p-chlorophenol							
95-73-8	2,4-dichlorotoluene							
87-86-5	Pentachlorophenol (PCP)							
LCL-57	Chlorophenols (di, tri, tetra) (Aus) / Chlorophenols Cl 1-5 (USA)	1	10,000					
120-83-2	2,4-Dichlorophenol / Cdn: 2,4-Dichlorophenol (and its salts)							
88-06-2	2,4,6-Trichlorophenol							
95-95-4	2,4,5-Trichlorophenol							
95-49-8	o-chlorotoluene							
106-43-4	p-chlorotoluene							
131-52-2	Sodium pentachlorophenate							
98-87-3	Benzal chloride (Benzylidene dichloride)							
98-88-4	Benzoyl chloride							
100-44-7	Benzyl chloride							
611-19-8	1-chloro-2-(chloromethyl)benzene							
59-50-7	4-chloro-3-methylphenol							
98-07-7	Benzoic trichloride (Benzylidyne trichloride)							

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	Chlorendic acid							
115-28-6	Chlorendic acid (1,4,5,6,7,7-hexachlorobicyclo[2.2.1]-5-heptene-2,3-dicarboxylic acid)							
	Chlorinated carboxylic acids & carboxylic acid esters							
79-11-8	Chloroacetic acid (Japan, USA) / Chloroacetic acid (and its salts) (Cdn)							
76-03-9	trichloroacetic acid							
76-02-8	Trichloroacetyl chloride							
598-78-7	2-chloropropionic acid							
105-39-5	ethyl chloroacetate							
	Bis(2-chloro-1-methylethyl) ether							
108-60-1	Bis(2-chloro-1-methylethyl) ether							
	Bis(2-chloroethoxy)methane							
111-91-1	Bis(2-chloroethoxy)methane							
	Chloroanilines							
95-51-2	o-chloroaniline							
106-47-8	p-chloroaniline							
LCL-58	chloroaniline							
LCL-59	dichloroaniline							
95-69-2	p-chloro-o-toluidine							
	Chloroprene							
126-99-8	Chloroprene							
	Chlorinated butenes							
110-57-6	Trans-1,4-dichloro-2-butene							
764-41-0	1,4-dichloro-2-butene							
	Chloronaphthalenes							
1335-87-1	Hexachloronaphthalene							
2234-13-1	Octachloronaphthalene							
	3-Chloropropionitrile							
542-76-7	3-Chloropropionitrile							
	Dimethylcarbamyl chloride							
79-44-7	Dimethylcarbamyl chloride							
	Dimethyl chlorothiophosphate							
2524-03-0	Dimethyl chlorothiophosphate							
	2,2-dibromo-2-cyanoacetamide							
10222-01-2	2,2-dibromo-2-cyanoacetamide (Jpn) / 2,2-Dibromo-3-nitrilopropionamide (USA: on TRI list, but reporting requirements currently suspended)							
	Halogenated organic compounds							
LCL-60	Halogenated organic compounds (as AOX)							
	Hexachlorobutadiene (HCBD)							
87-68-3	Hexachlorobutadiene (HCBD)							
	Hexachlorocyclopentadiene							
77-47-4	Hexachlorocyclopentadiene							
	Perchloromethyl mercaptan							
594-42-3	Perchloromethyl mercaptan							
	2,2-bis(Bromomethyl)-1,3-propanediol							
3296-90-0	2,2-bis(Bromomethyl)-1,3-propanediol (added to TRI for RY2011)							
	Polybrominated biphenyls (PBBs)							
LCL-61	Polybrominated biphenyls							
	Tetrabromobisphenol A (TBBPA)							
79-94-7	Tetrabromobisphenol A (TBBPA)							
	Tris(2,3-dibromoproyl)phosphate							
126-72-7	Tris(2,3-dibromoproyl)phosphate							
	Vinyl Fluoride							
75-02-5	Vinyl Fluoride (added to TRI for RY2011)							
	Tetrafluoroethylene							
116-14-3	Tetrafluoroethylene (USA: added to TRI for RY2011)							
Ozone depleting substances								
	Hydrochlorofluorocarbons (HCFCs)							
LCL-62	Hydrochlorofluorocarbons (HCFCs) (E-PRTR: Total mass of substances including their isomers listed in Group VIII of Annex I to Regulation (EC) No 2037/2000 of the European Parliament and of the Council of 29 June 2000 on substances that deplete the ozone layer (OJ L 244, 29.9.2000, p. 1). Regulation as amended by Regulation (EC) No 1804/2003 (OJ L 265, 16.10.2003, p. 1))							
75-43-4	HCFC-21, Dichlorofluoromethane							
75-45-6	HCFC-22, Chlorodifluoromethane, Difluoromonochloromethane							
354-14-3	HCFC-121, 1,1,2,2-Tetrachloro-1-fluoroethane							
354-11-0	HCFC 121a, 1,1,1,2-Tetrachloro-2-Fluoroethane							
41834-16-6	HCFC-122 (all isomers) / (Cdn: total of all isomers, including, but not limited to, isomers with CAS RN 354-12-1, 354-15-4 and 354-21-2)							
34077-87-7	Dichlorotrifluoroethane / (Cdn: Total of all isomers, including, but not limited to, isomers with CAS RN 306-83-2, 354-23-4, 812-04-4 and 90454-18-5)							
306-83-2	HCFC-123 and all isomers, Dichlorotrifluoroethane / Jpn: HCFC-123 / 2,2-dichloro-1,1,1-trifluoroethane / (Cdn: listed on the NPRI with CAS 34077-87-7)							
354-23-4	HCFC-123a, 1,2-Dichloro-1,1,2-Trifluoroethane / (Cdn: listed on the NPRI with CAS 34077-87-7)							
812-04-4	HCFC-123b, 1,1-Dichloro-1,2,2-Trifluoroethane / (Cdn: listed on the NPRI with CAS 34077-87-7)							
90454-18-5	Dichloro-1,1,2-trifluoroethane / (Cdn: listed on the NPRI with CAS 34077-87-7)							

Long Chemical List

Pollutant		Thresholds, Australia: NPI						
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63938-10-3	Chlorotetrafluoroethane / Cdn: total of all isomers, including, but not limited to, isomers with CAS RN 76-14-2, 354-25-6, 374-07-2 and 2837-89-0							
354-25-6	1-Chloro-1,1,2,2-tetrafluoroethane (HCFC-124a) / (Cdn: listed on the NPRI with CAS 63938-10-3)							
2837-89-0	2-Chloro-1,1,1,2-tetrafluoroethane (HCFC-124) / (Cdn: listed on the NPRI with CAS 63938-10-3)							
1649-08-7	1,2-Dichloro-1,1-Difluoroethane, HCFC 132b							
75-88-7	2-Chloro-1,1,1-Trifluoroethane (HCFC-133a)							
1717-00-6	HCFC-141b / 1,1-dichloro-1-fluoroethane							
75-68-3	HCFC-142b / 1-chloro-1,1-difluoroethane							
127564-92-5	Dichloropentafluoropropane							
128903-21-9	2,2-Dichloro-1,1,1,3,3-pentafluoropropane (HCFC-225aa)							
422-44-6	1,2-Dichloro-1,1,2,3,3-Pentafluoropropane							
422-48-0	2,3-Dichloro-1,1,1,2,3-Pentafluoropropane							
422-56-0	3,3-Dichloro-1,1,1,2,2-Pentafluoropropane							
431-86-7	1,2-Dichloro-1,1,3,3,3-Pentafluoropropane							
507-55-1	1,3-Dichloro-1,1,2,2,3-Pentafluoropropane							
13474-88-9	1,1-Dichloro-1,2,2,3,3-Pentafluoropropane							
111512-56-2	1,1-Dichloro-1,2,3,3,3-Pentafluoropropane							
460-35-5	HCFC 253, 3-Chloro-1,1,1-Trifluoropropane							
431-07-2	Chlorotrifluoroethane (HCFC-133)							
	Chlorofluorocarbon (CFCs)							
LCL-63	Chlorofluorocarbons (CFCs) (E-PRTR: Total mass of substances including their isomers listed in Group I and II of Annex I to Regulation (EC) No 2037/2000)							
75-69-4	CFC-11, Trichlorofluoromethane							
75-71-8	CFC-12, Dichlorodifluoromethane							
76-13-1	CFC-113, trichlorotrifluoroethane / USA: Freon 113 [Ethane, 1,1,2-trichloro-1,2,2,-trifluoro-]							
76-14-2	CFC-114, Dichlorotetrafluoroethane							
76-15-3	CFC-115, Monochloropentafluoroethane							
75-72-9	CFC-13, Chlorotrifluoromethane							
LCL-64	CFC-112, Tetrachlorodifluoroethane							
	Halons							
LCL-65	Halons (E-PRTR: Total mass of substances including their isomers listed in Group III and VI of Annex I to Regulation (EC) No 2037/2000)							
353-59-3	Halon 1211, Bromochlorodifluoromethane							
75-63-8	Halon 1301, Bromotrifluoromethane							
124-73-2	Dibromotetrafluoroethane (Halon 2402)							
74-83-9	Bromomethane (Methyl bromide)							
Greenhouse gases (GHGs)								
	Carbon dioxide (CO2)							
124-38-9	Carbon dioxide / Aus: The Australian National Greenhouse Gas Accounts are published annually by the Australian Government. The national inventory forms the foundation for Australia's efforts to address climate change. By identifying and reporting emissions sources and sinks, and changes in these over time, the inventory provides information fundamental to the development of domestic mitigation policies and programmes, while also tracking Australia's progress towards meeting international commitments. / Cdn: Greenhouse gas emissions are reported to Canada's Greenhouse Gas Emissions Reporting Program (GHGRP), a complementary program to the NPRI, Canada's PRTR. /								
	Jpn: Japan has the program to mandate entities that emit considerably large amount of greenhouse gases (GHGs) to account and report their emissions to the government annually. The government publicizes the reported data based on the Act on Promotion of Global Warming Countermeasures since 2006. In addition, the government develops national greenhouse gas inventory and reports it every year to the UNFCCC secretariat under the UNFCCC and the Kyoto Protocol. / USA: The U.S. EPA's TRI Program does not collect release or other waste management quantities of GHGs. However, the U.S. EPA's Office of Air and Radiation (OAR) recently implemented regulations which requires reporting of GHG data and other relevant information from large sources and suppliers in the United States. These data and information will be made available to the public.								
	Methane (CH4)							
74-82-8	Methane / Aus: The Australian National Greenhouse Gas Accounts are published annually by the Australian Government. The national inventory forms the foundation for Australia's efforts to address climate change. By identifying and reporting emissions sources and sinks, and changes in these over time, the inventory provides information fundamental to the development of domestic mitigation policies and programmes, while also tracking Australia's progress towards meeting international commitments. / Cdn: Greenhouse gas emissions are reported to Canada's Greenhouse Gas Emissions Reporting Program (GHGRP), a complementary program to the NPRI, Canada's PRTR. /								

Long Chemical List

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	Nitrous oxide (N2O)							
10024-97-2	Nitrous oxide / Aus: The Australian National Greenhouse Gas Accounts are published annually by the Australian Government. The national inventory forms the foundation for Australia's efforts to address climate change. By identifying and reporting emissions sources and sinks, and changes in these over time, the inventory provides information fundamental to the development of domestic mitigation policies and programmes, while also tracking Australia's progress towards meeting international commitments. / Cdn: Greenhouse gas emissions are reported to Canada's Greenhouse Gas Emissions Reporting Program (GHGRP), a complementary program to the NPRI, Canada's PRTR. /							
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	Hydrofluorocarbons (HFCs)							
LCL-66	Hydrofluorocarbons (HFCs) (E-PRTR: Total mass of hydrogen fluorocarbons: sum of HFC23, HFC32, HFC41, HFC4310mee, HFC125, HFC134, HFC134a, HFC152a, HFC143, HFC143a, HFC227ea, HFC236fa, HFC245ca, HFC365mfc) / Aus: The Australian National Greenhouse Gas Accounts are published annually by the Australian Government. The national inventory forms the foundation for Australia's efforts to address climate change. By identifying and reporting emissions sources and sinks, and changes in these over time, the inventory provides information fundamental to the development of domestic mitigation policies and programmes, while also tracking Australia's progress towards meeting international commitments. / Cdn: Greenhouse gas emissions are reported to Canada's Greenhouse Gas Emissions Reporting Program (GHGRP), a complementary program to the NPRI, Canada's PRTR. /							
	Jpn: Japan has the program to mandate entities that emit considerably large amount of greenhouse gases (GHGs) to account and report their emissions to the government annually. The government publicizes the reported data based on the Act on Promotion of Global Warming Countermeasures since 2006. In addition, the government develops national greenhouse gas inventory and reports it every year to the UNFCCC secretariat under the UNFCCC and the Kyoto Protocol. / USA: The U.S. EPA's TRI Program does not collect release or other waste management quantities of GHGs. However, the U.S. EPA's Office of Air and Radiation (OAR) recently implemented regulations which requires reporting of GHG data and other relevant information from large sources and suppliers in the United States. These data and information will be made available to the public.							
	Perfluorocarbons (PFCs)							
LCL-67	Perfluorocarbons (PFCs) (E-PRTR: Total mass of perfluorocarbons: sum of CF4, C2F6, C3F8, C4F10, c-C4F8, C5F12, C6F14) / Aus: The Australian National Greenhouse Gas Accounts are published annually by the Australian Government. The national inventory forms the foundation for Australia's efforts to address climate change. By identifying and reporting emissions sources and sinks, and changes in these over time, the inventory provides information fundamental to the development of domestic mitigation policies and programmes, while also tracking Australia's progress towards meeting international commitments. / Cdn: Greenhouse gas emissions are reported to Canada's Greenhouse Gas Emissions Reporting Program (GHGRP), a complementary program to the NPRI, Canada's PRTR. /							

Long Chemical List

Pollutant		Thresholds, Australia: NPI						
CAS Number	Pollutant Name	Chemical Category	Usage (kg/year)	Annual Emission / Transfer (kg/year)	Fuel Combusted: Annual (kg/year)	Fuel Combusted: Hourly (kg/hr)	Energy Use (MWh)	Power Rating (MW)
	Jpn: Japan has the program to mandate entities that emit considerably large amount of greenhouse gases (GHGs) to account and report their emissions to the government annually. The government publicizes the reported data based on the Act on Promotion of Global Warming Countermeasures since 2006. In addition, the government develops national greenhouse gas inventory and reports it every year to the UNFCCC secretariat under the UNFCCC and the Kyoto Protocol. / USA: The U.S. EPA's TRI Program does not collect release or other waste management quantities of GHGs. However, the U.S. EPA's Office of Air and Radiation (OAR) recently implemented regulations which requires reporting of GHG data and other relevant information from large sources and suppliers in the United States. These data and information will be made available to the public.							
	Sulphur hexafluoride (SF6)							
2551-62-4	Sulphur hexafluoride (SF6) / Aus: The Australian National Greenhouse Gas Accounts are published annually by the Australian Government. The national inventory forms the foundation for Australia's efforts to address climate change. By identifying and reporting emissions sources and sinks, and changes in these over time, the inventory provides information fundamental to the development of domestic mitigation policies and programmes, while also tracking Australia's progress towards meeting international commitments. / Cdn: Greenhouse gas emissions are reported to Canada's Greenhouse Gas Emissions Reporting Program (GHGRP), a complementary program to the NPRI, Canada's PRTR. /							
	Jpn: Japan has the program to mandate entities that emit considerably large amount of greenhouse gases (GHGs) to account and report their emissions to the government annually. The government publicizes the reported data based on the Act on Promotion of Global Warming Countermeasures since 2006. In addition, the government develops national greenhouse gas inventory and reports it every year to the UNFCCC secretariat under the UNFCCC and the Kyoto Protocol. / USA: The U.S. EPA's TRI Program does not collect release or other waste management quantities of GHGs. However, the U.S. EPA's Office of Air and Radiation (OAR) recently implemented regulations which requires reporting of GHG data and other relevant information from large sources and suppliers in the United States. These data and information will be made available to the public.							
Other gases								
	Ammonia							
7664-41-7	Ammonia (NH3) (E-PRTR) / Ammonia ((includes anhydrous ammonia and aqueous ammonia from water dissociable ammonium salts and other sources; 10 percent of total aqueous ammonia is reportable under this listing) (USA)							
LCL-68	Ammonia (Total)	1	10,000					
	Chlorine and inorganic compounds (as HCl)							
7782-50-5	Chlorine							
LCL-69	Chlorine & compounds / Chlorine and inorganic compounds (as HCl)	1	10,000					
7647-01-0	Hydrochloric acid / USA: Hydrochloric acid (acid aerosols including mists, vapors, gas, fog, and other airborne forms of any particle size)	1, 2a, 2b	10,000		400,000	1,000	60,000	20
	Ethylene oxide							
75-21-8	Ethylene oxide	1	10,000					
	Bromine							
7726-95-6	Bromine							
	Chlorine dioxide							
10049-04-4	Chlorine dioxide	1	10,000					
	Carbon monoxide							
630-08-0	Carbon monoxide	1, 2a, 2b	10,000		400,000	1,000	60,000	20
	Fluorine and inorganic compounds (as HF)							
7782-41-4	Fluorine							
LCL-70	Fluorine and inorganic compounds (as HF)							
	Hydrogen sulfide							
7783-06-4	Hydrogen sulfide (USA: on TRI list, but reporting requirements currently suspended)	1	10,000					
	Nitrogen oxides							
11104-93-1	Oxides of nitrogen (expressed as NO2) / Nitrogen oxides (NOx/NO2)	2a, 2b			400,000	1,000	60,000	20
	Sulphur oxides (SOx/SO2)							
2025-88-4	Sulphur oxides (SOx/SO2) / Sulfur dioxide	1, 2a, 2b	10,000		400,000	1,000	60,000	20
	water-soluble salts of bromic acid							
LCL-71	water-soluble salts of bromic acid							
	Hydrocarbons (gases)							
74-85-1	Ethylene							
74-86-2	Acetylene							
74-98-6	Propane							
115-07-1	Propylene							
LCL-72	Butane (all isomers)							
25167-67-3	Butene (all isomers)							
	Mustard							
505-60-2	Mustard Gas							
51-75-2	Nitrogen mustard / [2-Chloro-N-(2-chloroethyl)-Nmethylethanamine]							
	Diazomethane							
334-88-3	Diazomethane							
	Ozone							

Pollutant		Thresholds, Australia: NPI						
CAS Number	Pollutant Name	Chemical Category	Usage (kg/year)	Annual Emission / Transfer (kg/year)	Fuel Combusted: Annual (kg/year)	Fuel Combusted: Hourly (kg/hr)	Energy Use (MWh)	Power Rating (MW)
10028-15-6	Ozone							
	Sulfuryl fluoride							
2699-79-8	Sulfuryl fluoride							
	Phosphine							
7803-51-2	Phosphine							
Polycyclic aromatic hydrocarbons (PAHs)								
	Polycyclic aromatic hydrocarbons (PAHs)							
LCL-73	Polycyclic aromatic hydrocarbons (B[a]Peq)	2a, 2b			400,000	1,000	60,000	20
LCL-74	Polycyclic aromatic hydrocarbons (PAHs) as benzo(a)pyrene (50-32-8), benzo(b)-fluoranthene (205-99-2), benzo(k)fluoranthene (207-08-9), indeno(1,2,3-cd)pyrene (193-39-5)							
LCL-75	Polycyclic aromatic compounds (PACs) / Cdn: Canada currently requires reporting on 32 PAHs: 29 as "Part 2" substances (with mandatory reporting triggered at 50 kilograms overall, with individual PAHs reportable at a 5 kilogram threshold); two commercial chemicals, anthracene and naphthalene, listed as "Part 1A" substances at a higher threshold; and creosote listed as a speciated VOC, under "Part 5" of the NPRI substance list.							
56-55-3	Benzo(a)anthracene (USA: included in the Polycyclic aromatic compounds (PACs) category)							
205-99-2	Benzo(b)fluoranthene (USA: included in the Polycyclic aromatic compounds (PACs) category)							
205-82-3	Benzo(j)fluoranthene (USA: included in the Polycyclic aromatic compounds (PACs) category)							
207-08-9	Benzo(k)fluoranthene (USA: included in the Polycyclic aromatic compounds (PACs) category)							
206-44-0	Fluoranthene (Cdn) / Benzo(j,k)fluorene (USA) (USA: included in the Polycyclic aromatic compounds (PACs) category)							
189-55-9	Dibenzo(a,i)pyrene (USA: included in the Polycyclic aromatic compounds (PACs) category)							
218-01-9	Benzo(a)phenanthrene (USA: included in the Polycyclic aromatic compounds (PACs) category)							
50-32-8	Benzo(a)pyrene (USA: included in the Polycyclic aromatic compounds (PACs) category)							
226-36-8	Dibenzo(a,h)acridine (USA: included in the Polycyclic aromatic compounds (PACs) category)							
224-42-0	Dibenz(a,j)acridine (USA: included in the Polycyclic aromatic compounds (PACs) category)							
53-70-3	Dibenzo(a,h)anthracene (USA: included in the Polycyclic aromatic compounds (PACs) category)							
194-59-2	7H-Dibenzo(c,g)carbazole (USA: included in the Polycyclic aromatic compounds (PACs) category)							
5385-75-1	Dibenzo(a,e)fluoranthene (USA: included in the Polycyclic aromatic compounds (PACs) category)							
192-65-4	Dibenzo(a,e)pyrene (USA: included in the Polycyclic aromatic compounds (PACs) category)							
189-64-0	Dibenzo(a,h)pyrene (USA: included in the Polycyclic aromatic compounds (PACs) category)							
191-30-0	Dibenzo(a,l)pyrene (USA: included in the Polycyclic aromatic compounds (PACs) category)							
57-97-6	7,12-Dimethylbenz(a)-anthracene (USA: included in the Polycyclic aromatic compounds (PACs) category)							
193-39-5	Indeno(1,2,3-c,d)pyrene (USA: included in the Polycyclic aromatic compounds (PACs) category)							
56-49-5	3-Methylcholanthrene (USA: included in the Polycyclic aromatic compounds (PACs) category)							
3697-24-3	5-Methylchrysene (USA: included in the Polycyclic aromatic compounds (PACs) category)							
5522-43-0	1-Nitropyrene (USA: included in the Polycyclic aromatic compounds (PACs) category)							
42397-64-8	1,6-Dinitropyrene (added to TRI for RY2011, included in the Polycyclic aromatic compounds (PACs) category)							
42397-65-9	1,8-Dinitropyrene (added to TRI for RY2011, included in the Polycyclic aromatic compounds (PACs) category)							
7496-02-8	6-Nitrochrysene (added to TRI for RY2011, included in the Polycyclic aromatic compounds (PACs) category)							
57835-92-4	4-Nitropyrene (added to TRI for RY2011, included in the Polycyclic aromatic compounds (PACs) category)							
8001-58-9	Creosote							
120-12-7	Anthracene (Jpn: PAHs in the PRTR system are limited to chemicals intentionally used and therefore listed individually)							
191-24-2	Benzo(g,h,i)perylene							
91-20-3	Naphthalene (Jpn: PAHs in the PRTR system are limited to chemicals intentionally used and therefore listed individually)							
LCL-76	methylnaphthalene (Jpn: PAHs in the PRTR system are limited to chemicals intentionally used and therefore listed individually)							
83-32-9	acenaphthene (Jpn: PAHs in the PRTR system are limited to chemicals intentionally used and therefore listed individually)							
85-01-8	Phenanthrene							
192-97-2	Benzo(e)pyrene							
198-55-0	Perylene							
129-00-0	Pyrene							
208-96-8	Acenaphthylene - PAH							
86-73-7	Fluorene - PAH							
Other organic substances								
	Acetonitrile							
75-05-8	Acetonitrile	1	10,000					
	Acrolein							
107-02-8	Acrolein	1	10,000					
	Acrylamid							

Long Chemical List

Pollutant		Thresholds, Australia: NPI						
CAS Number	Pollutant Name	Chemical Category	Usage (kg/year)	Annual Emission / Transfer (kg/year)	Fuel Combusted: Annual (kg/year)	Fuel Combusted: Hourly (kg/hr)	Energy Use (MWh)	Power Rating (MW)
79-06-1	Acrylamid	1	10,000					
	Acrylic and methacrylic acid							
79-10-7	Acrylic acid / acrylic acid and its water-soluble salts (Jpn)	1	10,000					
79-41-4	methacrylic acid							
	Acrylic and methacrylic acid esters							
818-61-1	2-hydroxyethyl acrylate							
13048-33-4	hexamethylene diacrylate							
80-62-6	Methyl methacrylate	1	10,000					
96-33-3	Methyl acrylate							
140-88-5	Ethyl acrylate							
97-88-1	n-butyl methacrylate							
105-16-8	2-(diethylamino)ethyl methacrylate							
106-91-2	2,3-epoxypropyl methacrylate							
688-84-6	2-ethylhexyl methacrylate							
2867-47-2	2-(dimethylamino)ethyl methacrylate							
141-32-2	Butyl acrylate							
2439-35-2	2-(dimethylamino)ethyl acrylate							
	Acrylonitrile and methacrylonitrile							
107-13-1	Acrylonitrile	1	10,000					
126-98-7	Methacrylonitrile							
	Aldehydes							
75-07-0	Acetaldehyde	1	10,000					
78-84-2	Isobutyraldehyde							
90-02-8	Salicylaldehyde							
100-52-7	Benzaldehyde							
111-30-8	Glutaraldehyde	1	10,000					
123-38-6	Propionaldehyde							
123-63-7	Paraldehyde							
123-72-8	Butyraldehyde							
4170-30-3	Crotonaldehyde / 2-butenal							
	Anilines							
62-53-3	Aniline	1	10,000					
LCL-77	toluidine							
95-53-4	o-toluidine							
636-21-5	o-toluidine hydrochloride							
95-68-1	2,4-dimethylaniline							
87-62-7	2,6-dimethylaniline / 2,6-Xylidine							
121-69-7	N,N-Dimethylaniline (and its salts)							
101-77-9	4,4'-methylenedianiline							
120-71-8	p-cresidine (2-methoxy-5-methylaniline)							
134-29-2	O-Anisidine hydrochloride							
123-30-8	p-aminophenol							
591-27-5	m-aminophenol							
25376-45-8	Diaminotoluene (mixed isomers) / toluenediamine (Jpn)							
95-80-7	2,4-Diaminotoluene (and its salts) (Cdn) / 2,4-Diaminotoluene (USA)							
139-65-1	4,4'-Thiodianiline							
90-04-0	o-anisidine							
104-94-9	p-anisidine							
615-05-4	2,4-diaminoanisole							
39156-41-7	2,4-diaminoanisole sulfate							
	Biphenyl							
92-52-4	Biphenyl (1,1-biphenyl)	1	10,000					
	C3-Benzenes							
95-63-6	1,2,4-Trimethylbenzene							
108-67-8	1,3,5-trimethylbenzene							
25551-13-7	Trimethylbenzene (all isomers excluding 1,2,4-Trimethylbenzene)							
98-82-8	Cumene (1-methylethylbenzene)	1	10,000					
	Hydrocarbons (liquids)							
110-54-3	n-Hexane	1	10,000					
110-82-7	Cyclohexane	1	10,000					
LCL-78	Pentane (all isomers)							
LCL-79	Pentene (all isomers)							
LCL-80	Hexane (all isomers excluding n-hexane)							
25264-93-1	Hexene (all isomers)							
LCL-81	Heptane (all isomers)							
LCL-82	Octane (all isomers)							
LCL-83	Nonane (all isomers)							
LCL-84	Decane (all isomers)							
LCL-85	Dodecane (all isomers)							
8052-41-3	Stoddard solvent							
64475-85-0	Mineral spirits							
64741-65-7	Heavy alkylate naphtha							
64742-47-8	Hydrotreated light distillate							
64742-48-9	Hydrotreated heavy naphtha							
64742-88-7	Solvent naphtha medium aliphatic							
64742-89-8	Solvent naphtha light aliphatic							
64742-94-5	Heavy aromatic solvent naphtha							
64742-95-6	Light aromatic solvent naphtha							
8030-30-6	Naphtha							
8032-32-4	VM & P naphtha							
8042-47-5	White mineral oil							
LCL-86	Cycloheptane (all isomers)							
LCL-87	Cyclohexene (all isomers)							
LCL-88	Cyclooctane (all isomers)							
	BTEX							
71-43-2	Benzene (E-PRTR: Single pollutants are to be reported if the threshold for BTEX (the sum parameter of benzene, toluene, ethyl benzene, xylenes) is exceeded)	1	10,000					

Pollutant		Thresholds, Australia: NPI						
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100-41-4	Ethylbenzene (E-PRTR: Single pollutants are to be reported if the threshold for BTEX (the sum parameter of benzene, toluene, ethyl benzene, xylenes) is exceeded)	1	10,000					
108-88-3	Toluene (E-PRTR: Single pollutants are to be reported if the threshold for BTEX (the sum parameter of benzene, toluene, ethyl benzene, xylenes) is exceeded)	1	10,000					
1330-20-7	Xylenes / Xylene (mixed isomers) (E-PRTR: Single pollutants are to be reported if the threshold for BTEX (the sum parameter of benzene, toluene, ethyl benzene, xylenes) is exceeded)	1	10,000					
95-47-6	o-xylene							
106-42-3	p-xylene							
108-38-3	m-xylene							
	1,3-Butadiene							
106-99-0	1,3-Butadiene	1	10,000					
	Carbon disulfide							
75-15-0	Carbon disulfide / Carbon disulphide	1	10,000					
	Diisocyanates							
101-68-8	Methylenebis(phenylisocyanate) (MDI) (USA: specified as Diisocyanates)	1	10,000					
5124-30-1	1,1-Methylenebis(4-isocyanatocyclohexane) (USA: specified as Diisocyanates) / methylenebis(4,1-cyclohexylene)diisocyanate (Jpn)							
4098-71-9	Isophorone diisocyanate (USA: specified as Diisocyanates) / 3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate (Jpn)							
9016-87-9	Polymeric diphenylmethane diisocyanate (USA: specified as Diisocyanates)							
16938-22-0	2,2,4-Trimethylhexamethylene diisocyanate (USA: specified as Diisocyanates)							
15646-96-5	2,4,4-Trimethylhexamethylene diisocyanate (USA: specified as Diisocyanates)							
822-06-0	Hexamethylene-1,6- diisocyanate (USA: specified as Diisocyanates)							
38661-72-2	1,3-Bis(methylisocyanate) - cyclohexane (USA: specified as Diisocyanates)							
10347-54-3	1,4-Bis(methylisocyanate)-cyclohexane (USA: specified as Diisocyanates)							
2556-36-7	1,4-Cyclohexane diisocyanate (USA: specified as Diisocyanates)							
134190-37-7	Diethyldiisocyanatobenzene (USA: specified as Diisocyanates)							
4128-73-8	4,4'-Diisocyanatodiphenylether (USA: specified as Diisocyanates)							
75790-87-3	2,4'-Diisocyanatodiphenylsulfide (USA: specified as Diisocyanates)							
91-93-0	3,3'-Dimethoxybenzidine-4,4'-diisocyanate (USA: specified as Diisocyanates)							
91-97-4	3,3'-Dimethyl-4,4'-diphenylene diisocyanate (USA: specified as Diisocyanates)							
139-25-3	3,3'-Dimethyldiphenylmethane-4,4'-diisocyanate (USA: specified as Diisocyanates)							
75790-84-0	4-Methyldiphenylmethane-3,4-diisocyanate (USA: specified as Diisocyanates)							
3173-72-6	1,5-Naphthalene diisocyanate (USA: specified as Diisocyanates) / 1,5-naphthalenediyl diisocyanate (Jpn)							
123-61-5	1,3-Phenylene diisocyanate (USA: specified as Diisocyanates)							
104-49-4	1,4-Phenylene diisocyanate (USA: specified as Diisocyanates)							
LCL-89	Diisocyanates (USA: 20 specified Diisocyanates, see compounds above)							
	Toluenediisocyanates							
584-84-9	Toluene-2,4-diisocyanate	1	10,000					
91-08-7	Toluene-2,6-diisocyanate							
26471-62-5	Toluenediisocyanate (mixed isomers) / tolylene diisocyanate							
	2-Ethoxyethanol							
110-80-5	2-Ethoxyethanol / ethylene glycol monoethyl ether	1	10,000					
	Methoxyethanol							
109-86-4	Methoxyethanol / ethylene glycol monomethyl ether	1	10,000					
	Formaldehyde							
50-00-0	Formaldehyde	1	10,000					
	Glycol ethers							
LCL-90	certain glycol ethers							
112-34-5	Diethylene glycol butyl ether (USA: incl. in certain glycol ethers)							
112-25-4	Ethylene glycol hexyl ether (USA: incl. in certain glycol ethers)							
5131-66-8	Propylene glycol butyl ether (USA: incl. in certain glycol ethers)							
110-49-6	2-Methoxyethanol acetate / 2-methoxyethyl acetate (USA: incl. in certain glycol ethers)	1	10,000					
111-76-2	2-Butoxyethanol (USA: incl. in certain glycol ethers)							
111-15-9	2-Ethoxyethanol acetate / 2-ethoxyethyl acetate (USA: incl. in certain glycol ethers)	1	10,000					
108-65-6	Propylene glycol methyl ether acetate (USA: incl. in certain glycol ethers)							
112-07-2	Ethylene glycol butyl ether acetate (USA: incl. in certain glycol ethers)							
112-15-2	Diethylene glycol ethyl ether acetate (USA: incl. in certain glycol ethers)							
	4,4'-methylenebis[2-chloroaniline]							
101-14-4	4,4'-Methylene-bis(2-chloroaniline) (MOCA) / 3,3'-dichloro-4,4'-diaminodiphenylmethane (Jpn)	1	10,000					
	Organotin compounds (as total Sn)							
LCL-91	Organotin compounds (as total Sn) / organic tin compounds (Jpn)	1	10,000					
LCL-92	Tributyltin and compounds							
56-35-9	Bis(tributyltin) oxide							
1983-10-4	Tributyltin fluoride							
2155-70-6	Tributyltin methacrylate							
LCL-93	Triphenyltin and compounds							
639-58-7	Triphenyltin chloride							
13356-08-6	hexakis(2-methyl-2-phenylpropyl)distannoxane / fenbutatin oxide							

Long Chemical List

Pollutant		Thresholds, Australia: NPI						
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76-87-9	Triphenyltin hydroxide							
	Phenols							
LCL-94	Phenols (as total C) (E-PRTR: total mass of phenol and simple substituted phenols)							
108-95-2	Phenol	1	10,000					
1319-77-3	Cresol / USA: Cresol (mixed isomers)							
95-48-7	o-cresol							
106-44-5	p-cresol							
108-39-4	m-cresol							
1300-71-6	Dimethyl phenol							
576-26-1	2,6-xylenol (2,6-Dimethylphenol)							
105-67-9	2,4-Dimethylphenol / 2,4-xylenol							
128-37-0	2,6-Di-t-butyl-4-methylphenol / 2,6-di-tert-butyl-4-cresol							
96-76-4	2,4-di-tert-butylphenol							
89-72-5	o-sec-butylphenol							
98-54-4	4-tert-butylphenol							
88-60-8	2-tert-butyl-5-methylphenol							
90-43-7	o-Phenylphenol (and its salts) (Cdn) / 2-Phenylphenol (USA)							
108-98-5	Thiophenol							
	Phthalates							
117-81-7	Di-(2-ethyl hexyl) phthalate (DEHP) / bis(2-ethylhexyl)phthalate (Jpn)	1	10,000					
84-74-2	Dibutyl phthalate	1	10,000					
85-68-7	Butyl benzyl phthalate							
117-84-0	Di-n-octyl phthalate							
84-66-2	Diethyl phthalate							
120-61-6	Dimethyl terephthalate							
131-11-3	Dimethyl phthalate							
131-17-9	diallyl phthalate							
	Styrenes							
100-42-5	Styrene	1	10,000					
96-09-3	Styrene oxide, phenyloxirane							
98-83-9	α-methylstyrene							
29082-74-4	Octachlorostyrene							
	Aromatic nitro compounds							
51-28-5	2,4-dinitrophenol							
88-75-5	2-(1-methylpropyl)-4,6-dinitrophenol (2-nitrophenol)							
100-02-7	p-nitrophenol (and its salts) (Cdn) / p-nitrophenol (Jpn) / 4-Nitrophenol (USA)							
534-52-1	4,6-dinitro-o-cresol							
88-72-2	o-nitrotoluene							
121-14-2	2,4-Dinitrotoluene							
606-20-2	2,6-Dinitrotoluene							
25321-14-6	Dinitrotoluene (mixed isomers)							
88-74-4	o-nitroaniline							
100-01-6	p-Nitroaniline							
99-54-7	1,2-dichloro-4-nitrobenzene							
89-61-2	1,4-dichloro-2-nitrobenzene							
97-00-7	1-chloro-2,4-dinitrobenzene							
121-87-9	2-chloro-4-nitroaniline							
88-73-3	2-chloronitrobenzene							
98-95-3	Nitrobenzene							
99-65-0	m-Dinitrobenzene							
100-25-4	p-Dinitrobenzene							
528-29-0	o-Dinitrobenzene							
99-55-8	5-nitro-o-toluidine							
100-00-5	p-nitrochlorobenzene							
88-85-7	Dinitrobutyl phenol (Dinoseb)							
88-89-1	Picric acid (2,4,6-trinitrophenol)							
99-59-2	5-nitro-o-anisidine							
91-23-6	o-Nitroanisole (added to TRI for RY2011)							
	Bisphenol A							
80-05-7	4,4'-isopropylidenediphenol / bisphenol A							
	1,2-Butylene oxide							
106-88-7	1,2-Butylene oxide / 1,2-epoxybutane							
	Calcium cyanamide							
156-62-7	Calcium cyanamide							
	Catechol							
120-80-9	Catechol / pyrocatechol							
	Cumene hydroperoxide							
80-15-9	Cumene hydroperoxide / 1-methyl-1-phenylethyl hydroperoxide							
	Cyclic ethers							
123-91-1	1,4-Dioxane							
109-99-9	Tetrahydrofuran							
	Dicyclopentadiene							
77-73-6	Dicyclopentadiene							
	Diphenylamine							
122-39-4	Diphenylamine							
	Epichlorohydrin							
106-89-8	Epichlorohydrin							
	Epoxy compounds							
75-56-9	Propylene oxide (1,2-epoxypropane)							
106-92-3	1-allyloxy-2,3-epoxypropane							
122-60-1	2,3-epoxypropyl phenyl ether							
556-52-5	2,3-epoxy-1-propanol (Japan) / Glycidol (USA: added to TRI for RY2011)							
1464-53-5	Diepoxybutane							
2451-62-9	1,3,5-tris(2,3-epoxypropyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione							
	Ethylene glycol							

Pollutant		Thresholds, Australia: NPI						
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107-21-1	Ethylene glycol	1	10,000					
	Ethylene thiourea							
96-45-7	Ethylene thiourea (2-imidazolidinethione)							
	Hydrazines							
302-01-2	Hydrazine (Jpn, USA) / Hydrazine (and its salts) (Cdn)							
10034-93-2	Hydrazine sulfate							
57-14-7	1,1-Dimethyl hydrazine							
60-34-4	Methyl hydrazine							
100-63-0	phenylhydrazine							
122-66-7	1,2-Diphenylhydrazine							
	Ketone solvents							
67-64-1	Acetone	1	10,000					
108-10-1	Methyl isobutyl ketone	1	10,000					
78-93-3	Methyl ethyl ketone	1	10,000					
106-35-4	Ethyl butyl ketone	1	10,000					
	Maleic anhydride							
108-31-6	Maleic anhydride							
	N,N-Dimethylformamide							
68-12-2	N,N-Dimethylformamide							
	Nitroglycerin							
55-63-0	Nitroglycerin							
	Nitrilotriacetic acid							
139-13-9	Nitrilotriacetic acid (Jpn, USA) / Nitrilotriacetic acid (and its salts) (Cdn)							
	Nonylphenol							
LCL-95	Nonylphenol and Nonylphenol ethoxylates (NP/NPEs) / Nonylphenol and its ethoxylates							
25154-52-3	Nonylphenol							
	Octylphenol							
1806-26-4	Octylphenols and Octylphenols ethoxylates / Octylphenol and its ethoxylates							
LCL-96	p-octylphenol							
9036-19-5	poly(oxyethylene) octylphenyl ether							
	Phenylenediamines							
LCL-97	phenylenediamine							
95-54-5	o-phenylenediamine (1,2-Phenylenediamine)							
106-50-3	p-Phenylenediamine (Jpn, USA) / p-Phenylenediamine (and its salts) (Cdn)							
108-45-2	m-phenylenediamine (1,3-Phenylenediamine)							
615-28-1	1,2-phenylenediamine dihydrochloride							
624-18-0	1,4-phenylenediamine dihydrochloride							
	Phthalic anhydride							
85-44-9	Phthalic anhydride							
	Pyridines							
110-86-1	Pyridine (Jpn, USA) / Pyridine (and its salts) (Cdn)							
100-69-6	2-vinylpyridine							
108-99-6	3-methylpyridine							
109-06-8	2-Methylpyridine							
	Quinoline							
91-22-5	Quinoline (and its salts) (Cdn) / Quinoline (USA)							
	Quinones							
106-51-4	Quinone, p-Quinone							
123-31-9	Hydroquinone							
82-28-0	1-AMINO-2-METHYLANTHRAQUINONE							
82-45-1	1-amino-9,10-anthraquinone							
118-75-2	2,3,5,6-tetrachloro-p-benzoquinone							
117-79-3	2-AMINOANTHRAQUINONE							
81-49-2	1-Amino-2,4-dibromoanthraquinone (added to TRI for RY2011)							
LCL-98	Anthraquinone (all isomers)							
	Saturated alcohols							
67-56-1	Methanol	1	10,000					
64-17-5	Ethanol	1	10,000					
67-63-0	Isopropyl alcohol (USA: (only persons who manufacture by the strong acid process are subject, no supplier notification)							
71-36-3	n-Butyl alcohol							
78-83-1	i-Butyl alcohol							
78-92-2	sec-Butyl alcohol							
75-65-0	tert-Butyl alcohol							
3452-97-9	3,5,5-trimethyl-1-hexanol							
143-08-8	1-nonanol / n-nonyl alcohol							
112-30-1	decyl alcohol / decanol							
112-53-8	1-dodecanol / n-dodecyl alcohol							
111-87-5	1-Octanol							
	Thiourea							
62-56-6	Thiourea							
	Unsaturated aliphatic alcohols							
107-18-6	Allyl alcohol							
107-19-7	Propargyl alcohol							
	Vinyl acetate							
108-05-4	Vinyl acetate							
	Volatile organic compounds (VOCs)							
LCL-99	Volatile organic compounds (VOCs) (Canada: Sum of VOCs meeting the definition of Schedule 1 [65] of the Canadian Environmental Protection Act, 1999--see: http://www.ec.gc.ca/lcpe-cepa/default.asp?lang=En&n=0DA2924D-1&wsdoc=4ABEFFC8-5BEC-B57A-F4BF-11069545E434).							
LCL-100	Non-methane volatile organic compounds (NMVOC)							
LCL-101	Total volatile organic compounds	1a, 2a, 2b	25,000		400,000	1,000	60,000	20

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Pollutant		Thresholds, Australia: NPI						
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	1,3-dioxolane							
646-06-0	1,3-dioxolane							
	divinylbenzene							
1321-74-0	divinylbenzene							
	diphenyl ether							
101-84-8	diphenyl ether							
	Ethylenebisdithiocarbamic acid, salts and esters							
LCL-102	ethylenebisdithiocarbamic acid, salts and esters							
	1,3-diphenylguanidine							
102-06-7	1,3-diphenylguanidine							
	N,N-dimethylacetamide							
127-19-5	N,N-dimethylacetamide							
	N-(1,3-dimethylbutyl)-N'-phenyl-p-phenylenediamine							
793-24-8	N-(1,3-dimethylbutyl)-N'-phenyl-p-phenylenediamine							
	hydrogenated terphenyl							
61788-32-7	hydrogenated terphenyl							
	sodium salt of 2-sulfohexadecanoic acid 1-methyl ester							
4016-24-4	sodium salt of 2-sulfohexadecanoic acid 1-methyl ester							
	carbonic acids / dicarbonic acids							
334-48-5	decanoic acid							
124-04-9	Adipic acid							
149-57-5	2-ethylhexanoic acid							
	sodium dodecyl sulfate							
151-21-3	sodium dodecyl sulfate							
	1,2-bis(2-chlorophenyl)hydrazine							
782-74-1	1,2-bis(2-chlorophenyl)hydrazine							
	Furans							
110-00-9	Furan (USA: added to TRI for RY2011)							
98-00-0	Furfuryl alcohol							
	Nitrosodiphenylamine							
86-30-6	N-Nitrosodiphenylamine							
156-10-5	P-Nitrosodiphenylamine							
	Phosgene							
75-44-5	Phosgene							
	Terpens							
68956-56-9	Terpene (all isomers)							
123-35-3	Myrcene							
5989-27-5	Limonene,D-							
80-56-8	Alpha-Pinene							
127-91-3	Beta-Pinene							
555-10-2	Beta-Phellandrene							
	betanaphthol							
135-19-3	betanaphthol							
	benzophenone							
119-61-9	benzophenone							
	sodium poly(oxyethylene) dodecyl ether sulfate							
9004-82-4	sodium poly(oxyethylene) dodecyl ether sulfate							
	n-alkylbenzenesulfonic acid and its salts (alkyl c=10-14)							
LCL-103	n-alkylbenzenesulfonic acid and its salts (alkyl c=10-14)							
	poly(oxyethylene) alkyl ether (alkyl c=12-15)							
LCL-104	poly(oxyethylene) alkyl ether (alkyl c=12-15)							
	Michler's ketone (and its salts)							
90-94-8	Michler's ketone (and its salts) (Cdn) / Michler's ketone (USA)							
	Adipate							
103-23-1	Bis(2-ehtylhexyl) adipate							
	Ethyl acetate							
141-78-6	Ethyl acetate	1	10,000					
	Benzidine							
92-87-5	Benzidine							
91-94-1	3,3'-dichlorobenzidine							
119-90-4	3,3'-dimethoxybenzidine							
612-83-9	3,3'-Dichlorobenzidine dihydrochloride							
119-93-7	3,3'-dimethylbenzidine / o-tolidine							
612-82-8	3,3'-Dimethylbenzidine dihydrochloride (o-Tolidine dihydrochloride)							
20325-40-0	3,3'-dimethoxybenzidine dihydrochloride							
111984-09-9	3,3'-dimethoxybenzidine hydrochloride							
41766-75-0	3,3'-dimethoxybenzidine dihydrofluoride							
64969-34-2	3,3'-dichlorobenzidine sulfate							
	Safroles							
94-59-7	Safrole							
94-58-6	Dihydrosafrole							
120-58-1	Isosafrole							
	Isoprene							
78-79-5	Isoprene (USA: added to TRI for RY2011)							
	Methyleugenol							
93-15-2	Methyleugenol (added to TRI for RY2011)							
	Ethylenediaminetetraacetic acid (EDTA)							
60-00-4	Ethylenediaminetetraacetic acid							
	Amines							
74-89-5	methylamine							
107-15-3	ethylenediamine							
121-44-8	Triethylamine							
124-40-3	Dimethylamine							
107-11-9	Allylamine / 3-amino-1-propene							
102-82-9	tributylamine							

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101-83-7	N,N-dicyclohexylamine							
112-18-5	N,N-dimethyldodecylamine							
108-91-8	cyclohexylamine							
	Nitromethanes							
75-52-5	Nitromethane (added to TRI for RY2011)							
509-14-8	Tetranitromethane (added to TRI for RY2011)							
	Methyl iodide							
74-88-4	Methyl iodide							
	Phenolphthalein							
77-09-8	Phenolphthalein (added to TRI for RY2011)							
	Diethyl sulfate							
64-67-5	Diethyl sulfate							
	Dimethyl sulfate							
77-78-1	Dimethyl sulfate							
	dimethyl disulfide							
624-92-0	dimethyl disulfide							
	Cyclohexanol							
108-93-0	Cyclohexanol							
	Benzoyl peroxide							
94-36-0	Benzoyl peroxide							
	bis(1-methyl-1-phenylethyl) peroxide							
80-43-3	bis(1-methyl-1-phenylethyl) peroxide							
	tert-butyl hydroperoxide							
75-91-2	tert-butyl hydroperoxide							
	2-Mercaptobenzothiazole							
149-30-4	2-Mercaptobenzothiazole							
	2-(morpholinodithio)benzothiazole							
95-32-9	2-(morpholinodithio)benzothiazole							
	Imines							
75-55-8	Propyleneimine							
151-56-4	ethyleneimine							
	CARBONYL SULFIDE							
463-58-1	CARBONYL SULFIDE							
	Terephthalic acid							
100-21-0	Terephthalic acid							
	Ethyl chloroformate							
541-41-3	Ethyl chloroformate							
	N-Methyl-2-pyrrolidone							
872-50-4	N-Methyl-2-pyrrolidone							
	N-vinyl-2-pyrrolidone							
88-12-0	N-vinyl-2-pyrrolidone							
	Short chain fatty acids							
64-18-6	Formic acid							
64-19-7	Acetic acid (ethanoic acid)	1	10,000					
	Acetophenones							
98-86-2	Acetophenone							
532-27-4	2-chloroacetophenone							
	Peracetic acid							
79-21-0	Peracetic acid (Peracetic acid (and its salts))							
	Alkaloids							
357-57-3	Brucine							
LCL-105	strychnine and salts							
	2-Nitropropane							
79-46-9	2-Nitropropane							
	Methyl tert-butyl ether							
1634-04-4	Methyl tert-butyl ether							
	Diethanolamine							
111-42-2	Diethanolamine (and its salts) (Cdn) / Diethanolamine (USA)							
	Dimethyldithiocarbamates							
128-04-1	Sodium Dimethyldithiocarbamate							
128-03-0	Potassium Dimethyldithiocarbamate							
137-41-7	Potassium N-methyldithiocarbamate							
LCL-106	water-soluble salts of dimethyldithiocarbamic acid							
	TOC							
LCL-107	Total organic carbon (TOC) (as total C or COD/3)							
Active substances of plant protection products or biocidal products								
	Alachlor							
15972-60-8	Alachlor (2-chloro-2',6'-diethy-N-(methoxymethyl)acetanilide)							
	Diuron							
330-54-1	Diuron (3-(3,4-dichlorophenyl)-1,1-dimethylurea) / DCMU							
	Triazine compounds							
1912-24-9	Atrazine (2-chloro-4-ethylamino-6-isopropylamino-1,3,5-triazine)							
122-34-9	Simazine (2-chloro-4,6-bis(ethylamino)-1,3,5-triazine)							
108-77-0	2,4,6-trichloro-1,3,5-triazine							
1014-70-6	simetryn / 2,4-bis(ethylamino)-6-methylthio-1,3,5-triazine							
	Trifluralin							
1582-09-8	Trifluralin (α,α,α-trifluoro-2,6-dinitro-N,N-dipropyl-p-toluidine)							
	chloridazon							
1698-60-8	5-amino-4-chloro-2-phenylpyridazin-3(2H)-one							
	metribuzin							
21087-64-9	4-amino-6-tert-butyl-3-methylthio-1,2,4-triazin-5(4H)-one							
	metamitron							
41394-05-2	4-amino-3-methyl-6-phenyl-1,2,4-triazin-5(4H)-one							
	fenamiphos							

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22224-92-6	O-ethyl-O-(3-methyl-4-methylthiophenyl) N-isopropylaminophosphonate							
	bifenazate							
149877-41-8	isopropyl 2-(4-methoxybiphenyl-3-yl)hydrazinoformate							
	flutolanil							
66332-96-5	3'-isopropoxy-2-trifluoromethylbenzanilide							
	iminoctadine							
13516-27-3	1,1'-[iminodi(octamethylene)]diguanidine							
	butamifos							
36335-67-8	O-ethyl O-(6-nitro-m-tolyl)sec-butylphosphoramidothioate							
	EPN							
2104-64-5	O-ethyl O-4-nitrophenyl phenylphosphonothioate							
	alanycarb							
83130-01-2	ethyl (Z)-3-[N-benzyl-N-[[methyl(1-methylthioethylideneaminooxycarbonyl)amino]thio]amino]propionate							
	fosthiazate							
98886-44-3	O-ethyl S-1-methylpropyl (2-oxo-3-thiazolidinyl)phosphonothioate							
	mancozeb							
8018-01-7	complex compounds of manganese N,N'-ethylenebis(dithiocarbamate)and zinc N,N'-ethylenebis(dithiocarbamate)							
	diquat dibromide							
85-00-7	1,1'-ethylene-2,2'-bipyridinium dibromide							
	etofenprox							
80844-07-1	2-(4-ethoxyphenyl)-2-methylpropyl 3-phenoxybenzyl ether							
	mixture of emamectinB1a benzoate and emamectinB1b benzoate							
155569-91-8	emamectin benzoate							
	tolfenpyrad							
129558-76-5	4-chloro-3-ethyl-1-methyl-N-[4-(p-tolyloxy)benzyl]pyrazole-5-carboxamide							
	fluazinam							
79622-59-6	3-chloro-N-(3-chloro-5-trifluoromethyl-2-pyridyl)-α,α,α-trifluoro-2,6-dinitro-p-toluidine							
	pretilachlor							
51218-49-6	2-chloro-2',6'-diethyl-N-(2-propoxyethyl)acetanilide							
	mecoprop							
7085-19-0	(RS)-2-(4-chloro-o-tolyloxy)propionic acid							
	indanofan							
133220-30-1	(RS)-2-[2-(3-chlorophenyl)-2,3-epoxypropyl]-2-ethylindane-1,3-dione							
	fentrazamide							
158237-07-1	4-(2-chlorophenyl)-N-cyclohexyl-N-ethyl-4,5-dihydro-5-oxo-1H-tetrazole-1-carboxamide							
	hexythiazox							
78587-05-0	(4RS,5RS)-5-(4-chlorophenyl)-N-cyclohexyl-4-methyl-2-oxo-1,3-thiazolidine-3-carboxamide							
	tebuconazole							
107534-96-3	(RS)-1-p-chlorophenyl-4,4-dimethyl-3-(1H-1,2,4-triazol-1-ylmethyl)pentan-3-ol							
	fenbuconazole							
114369-43-6	(RS)-4-(4-chlorophenyl)-2-phenyl-2-(1H-1,2,4-triazol-1-ylmethyl)butyronitrile							
	cumyluron							
99485-76-4	1-(2-chlorobenzyl)-3-(1-methyl-1-phenylethyl)urea							
	diclocymet							
139920-32-4	(RS)-2-cyano-N-[(R)-1-(2,4-dichlorophenyl)ethyl]-3,3-dimethylbutyramide							
	tralomethrin							
66841-25-6	(S)-alpha-cyano-3-phenoxybenzyl (1R,3S)-2,2-dimethyl-3-(1,2,2,2-tetrabromoethyl)cyclopropanecarboxylate							
	cymoxanil							
57966-95-7	trans-1-(2-cyano-2-methoxyiminoacetyl)-3-ethylurea							
	cartap							
15263-53-3	1,3-dicarbamoylthio-2-(N,N-dimethylamino)-propane							
	iprodione							
36734-19-7	3-(3,5-dichlorophenyl)-N-isopropyl-2,4-dioxoimidazolidine-1-carboxamide							
	tetraconazole							
112281-77-3	(RS)-2-(2,4-dichlorophenyl)-3-(1H-1,2,4-triazol-1-yl)propyl 1,1,2,2-tetrafluoroethyl ether							
	oxaziclomefone							
153197-14-9	3-[1-(3,5-dichlorophenyl)-1-methylethyl]-3,4-dihydro-6-methyl-5-phenyl-2H-1,3-oxazin-4-one							
	pyrazoxyfen							
71561-11-0	2-[4-(2,4-dichlorobenzoyl)-1,3-dimethyl-5-pyrazolyloxy]acetophenone							
	pyrazolynate							
58011-68-0	4-(2,4-dichlorobenzoyl)-1,3-dimethyl-5-pyrazolyl 4-toluenesulfonate							
	dithianon							
3347-22-6	2,3-dicyano-1,4-dithiaanthraquinone							
	isoprothiolane							
50512-35-1	diisopropyl 1,3-dithiolan-2-ylidenemalonate							
	carbosulfan							

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55285-14-8	2,3-dihydro-2,2-dimethyl-7-benzo[b]furyl N-(dibutylamino)thio-N-methylcarbamate							
	thiocyclam							
31895-21-3	5-dimethylamino-1,2,3-trithiane							
	benfuracarb							
82560-54-1	2,2-dimethyl-2,3-dihydro-1-benzofuran-7-yl N-[N-(2-ethoxycarbonylethyl)-N-isopropylsulfenamoyl]-N-methylcarbamate							
	ioxynil octanoate							
3861-47-0	3,5-diiodo-4-octanoyloxybenzonitrile							
	phthalide							
27355-22-2	4,5,6,7-tetrachloroisobenzofuran-1(3H)-one							
	tefluthrin							
79538-32-2	2,3,5,6-tetrafluoro-4-methylbenzyl(Z)-3-(2-chloro-3,3,3-trifluoro-1-propenyl)-2,2-dimethylcyclopropanecarboxylate							
	cadusafos							
95465-99-9	S,S-bis(1-methylpropyl) O-ethyl phosphorodithioate							
	buprofezin							
69327-76-0	2-tert-butylimino-3-isopropyl-5-phenyltetrahydro-4H-1,3,5-thiadiazin-4-one							
	tebufenozide							
112410-23-8	N-tert-butyl-N'-(4-ethylbenzoyl)-3,5-dimethylbenzohydrazide							
	diafenthiuron							
80060-09-9	1-tert-Butyl-3-(2,6-diisopropyl-4-phenoxyphenyl)thiourea							
	fenpyroximate							
134098-61-6	tert-butyl 4-{{[(1,3-dimethyl-5-phenoxy-4-pyrazolyl)methylidene]aminooxy}methyl}benzoate							
	pyridaben							
96489-71-3	2-tert-butyl-5-(4-tert-butylbenzylthio)-4-chloro-3(2H)-pyridazinone							
	butachlor							
23184-66-9	N-butoxymethyl-2-chloro-2',6'-diethylacetanilide							
	ferimzone							
89269-64-7	(Z)-2'-methylacetophenone 4,6-dimethyl-2-pyrimidinylhydrazone							
	indoxacarb							
173584-44-6	methyl (S)-7-chloro-2,3,4a,5-tetrahydro-2-[methoxycarbonyl(4-trifluoromethoxyphenyl)carbamoyl]indeno[1,2-e][1,3,4]oxadiazine-4a-carboxylate							
	azoxystrobin							
131860-33-8	methyl (E)-2-[2-[6-(2-cyanophenoxy)pyrimidin-4-yloxy]phenyl]-3-methoxyacrylate							
	carbam							
144-54-7	N-methyldithiocarbamic acid							
	oxamyl							
23135-22-0	methyl-N',N'-dimethyl-N-[(methylcarbamoyl)oxy]-1-thiooxamimidate							
	pyriminobac-methyl							
136191-64-5	methyl 2-(4,6-dimethoxy-2-pyrimizinyloxy)-6-[1-(methoxyimino)ethyl]benzoate							
	mepronil							
55814-41-0	2-methyl-N-[3-(1-methylethoxy)phenyl]benzamide							
	methomyl							
16752-77-5	S-methyl-N-(methylcarbamoyloxy)thioacetimidate							
	trifloxystrobin							
141517-21-7	methyl (E)-methoxyimino-[2-[[[[(E)-1-[3-(trifluoromethyl)phenyl]ethylidene]amino]oxy]methyl]phenyl]acetate							
	kresoxim-methyl							
143390-89-0	methyl (E)-methoxyimino[2-(o-tolyloxymethyl)phenyl]acetate							
	phenmedipham							
13684-63-4	3-methoxycarbonylaminophenyl 3'-methylcarbanilate							
	pyributicarb							
88678-67-5	O-3-tert-butylphenyl N-(6-methoxy-2-pyridyl)-N-methylthiocarbamate							
	Chlorfenvinphos							
470-90-8	Chlorfenvinphos							
	Chlorpyrifos							
5598-13-0	Chlorpyrifos methyl [O,O-Dimethyl-O-(3,5,6-trichloro-2-pyridyl)phosphorothioate]							
2921-88-2	Chlorpyrifos							
	Endosulphan							
115-29-7	Endosulphan / 6,7,8,9,10,10-hexachloro-1,5,5a,6,9,9a-hexahydro-6,9-methano-2,4,3-benzodioxathiepine 3-oxide							
	Hexachlorocyclohexane							
608-73-1	1,2,3,4,5, 6-hexachlorocyclohexane (HCH)							
	Isodrin							
465-73-6	Isodrin							
	Isoproturon							
34123-59-6	Isoproturon							
	2,4-D							
94-75-7	2,4-D (2,4-dichlorophenoxyacetic acid) / 2,4-PA							
2702-72-9	2,4-D sodium salt							
	2,4-D esters							
94-80-4	2,4-D butyl ester							
01928-43-4	2,4-D 2-ethylhexyl ester							
94-11-1	2,4-D isopropyl ester							
01929-73-3	2,4-D butoxyethyl ester							
1320-18-9	2,4-D propylene glycol butyl ether ester							

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Pollutant		Thresholds, Australia: NPI						
CAS Number	Pollutant Name	Chemical Category	Usage (kg/year)	Annual Emission / Transfer (kg/year)	Fuel Combusted: Annual (kg/year)	Fuel Combusted: Hourly (kg/hr)	Energy Use (MWh)	Power Rating (MW)
53404-37-8	2,4-D 2-ethyl-4-methylpentyl ester							
	2,4-DP							
120-36-5	2,4-DP							
	2,4-DB							
94-82-6	2,4-DB							
	Dicofol							
115-32-2	Dicofol [Benzenemethanol, 4-chloro-.alpha.-4-(chlorophenyl)-.alpha.-(trichloromethyl)-]							
	Glyoxal							
107-22-2	Glyoxal							
	Methoxone							
94-74-6	Methoxone ((4-chloro-2-methylphenoxy)acetic acid) / MCP / MCPA							
3653-48-3	Methoxone sodium salt							
	Pronamide							
23950-58-5	Pronamide (3,5-dichloro-N-(1,1-dimethyl-2-propynyl)benzamide)							
	Pendimethalin							
40487-42-1	Pendimethalin (N-(1-ethylpropyl)-2,6-dinitro-3,4-xylidine)							
	Amitrole							
61-82-5	Amitrole (3-amino-1H-1,2,4-triazole)							
	Naled							
300-76-5	Naled (1,2-dibromo-2,2-dichloroethyl dimethyl phosphate)							
	Quintozene							
82-68-8	Quintozene (pentachloronitrobenzene)							
	Linuron							
330-55-2	Linuron (3-(3,4-dichlorophenyl)-1-methoxy-1-methylurea)							
	Diazinon							
333-41-5	Diazinon (O,O-diethyl O-2-isopropyl-6-methyl-4-pyrimidinyl phosphorothioate)							
	Dazomet							
533-74-4	Dazomet (2-thiono-3,5-dimethyltetrahydro-2H-1,3,5-thiadiazine)							
53404-60-7	Dazomet, sodium salt							
	Trichlorfon							
52-68-6	Trichlorfon (dimethyl 2,2,2-trichloro-1-hydroxyethylphosphonate)							
	Benomyl							
17804-35-2	Benomyl (methyl N-[1-(N-n-butylcarbamoyl)-1H-2-benzimidazolyl]carbamate)							
	Thiobencarb							
28249-77-6	Thiobencarb (S-4-chlorobenzyl N,N-diethylthiocarbamate)							
	Amitraz							
33089-61-1	Amitraz (3-methyl-1,5-di(2,4-xylyl)-1,3,5-triazapenta-1,4-diene)							
	Propanil							
709-98-8	Propanil (3',4'-dichloropropionanilide)							
	Sulprofos							
35400-43-2	Sulprofos (O-ethyl O-4-(methylthio)phenyl S-n-propyl phosphorodithioate)							
	Profenofos							
41198-08-7	Profenofos (O-4-bromo-2-chlorophenyl O-ethyl S-propyl phosphorothioate)							
	Permethrin							
52645-53-1	Permethrin (3-phenoxybenzyl 3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate)							
	Quizalofop-ethyl							
76578-14-8	Quizalofop-ethyl (ethyl 2-[4-(6-chloro-2-quinoxalinyloxy)phenoxy]propionate)							
	Dichlorvos / DDVP							
62-73-7	Dichlorvos (dimethyl 2,2-dichlorovinyl phosphate)							
	Chloropicrin							
76-06-2	Chloropicrin (trichloronitromethane)							
	Carbaryl / NAC							
63-25-2	Carbaryl (1-naphthyl N-methylcarbamate)							
	Chlorothalonil							
1897-45-6	Chlorothalonil (tetrachloroisophthalonitrile)							
	Paraquat dichloride / paraquat							
1910-42-5	Paraquat dichloride (1,1'-dimethyl-4,4'-bipyridinium dichloride)							
	fenitrothion / MEP							
122-14-5	fenitrothion (O,O-dimethyl O-3-methyl-4-nitrophenyl phosphorothioate)							
	Fenthion							
55-38-9	Fenthion (O,O-dimethyl O-3-methyl-4-nitrophenyl phosphorothioate)							
	Molinate							
2212-67-1	Molinate (S-ethyl hexahydro-1H-azepine-1-carbothioate)							
	Propargite / BPPS							
2312-35-8	Propargite (2-(4-tert-butylphenoxy)cyclohexyl 2-propynyl sulfite)							
	Chinomethionat							
2439-01-2	Chinomethionat (6-methyl-1,3-dithiolo[4,5-b]quinoxalin-2-one)							
	Famphur							
52-85-7	Famphur							
	Tebuthiuron							
34014-18-1	Tebuthiuron							
	Sethoxydim							
74051-80-2	Sethoxydim							
	Thiodicarb							
59669-26-0	Thiodicarb / 3,7,9,13-tetramethyl-5,11-dioxa-2,8,14-trithia-4,7,9,12-tetraazapentadeca-3,12-diene-6,10-dione							

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	Mecoprop							
93-65-2	Mecoprop							
	Aldicarb							
116-06-3	Aldicarb							
	Captan							
133-06-2	Captan							
	Folpet							
133-07-3	Folpet							
	Chloramben							
133-90-4	Chloramben							
	Ferbam							
14484-64-1	Ferbam							
	Parathion							
56-38-2	Parathion							
298-00-0	Methylparathion							
	Pirimiphos methyl							
29232-93-7	Pirimiphos methyl / O-2-diethylamino-6-methylpyrimidin-4-yl O,O-dimethyl phosphorothioate							
	Diflubenzuron							
35367-38-5	Diflubenzuron							
	Metham sodium							
137-42-8	Metham sodium							
	Fenpropathrin							
39515-41-8	Fenpropathrin / (RS)-alpha-cyano-3-phenoxybenzyl 2,2,3,3-tetramethylcyclopropanecarboxylate							
	Hydramethylnon							
67485-29-4	Hydramethylnon							
	Abamectin							
71751-41-2	Abamectin							
	Lactofen							
77501-63-4	Lactofen							
	Nabam							
142-59-6	Nabam							
	Thiabendazole							
148-79-8	Thiabendazole							
	Merphos							
150-50-5	Merphos							
	Monuron							
150-68-5	Monuron							
	Methoxychlor							
72-43-5	Methoxychlor							
	Tetramethrin							
7696-12-0	Tetramethrin / cyclohex-1-ene-1,2-dicarboximidomethyl (1RS)-cis-trans-2,2-dimethyl-3-(2-methylprop-1-enyl)cyclopropanecarboxylate							
	Resmethrin							
10453-86-8	Resmethrin							
	Ethoprop							
13194-48-4	Ethoprop							
	Oxydemeton methyl							
301-12-2	Oxydemeton methyl							
	Desmedipham							
13684-56-5	Desmedipham							
	Oryzalin							
19044-88-3	Oryzalin							
	Bromacil							
314-40-9	Bromacil / 5-bromo-3-sec-butyl-6-methyl-1,2,3,4-tetrahydropyrimidine-2,4-dione							
53404-19-6	Bromacil, lithium salt							
	Bendiocarb							
22781-23-3	Bendiocarb							
	Phenothrin							
26002-80-2	Phenothrin							
	Triforine							
26644-46-2	Triforine							
	Propetamphos							
31218-83-4	Propetamphos							
	Imazalil							
35554-44-0	Imazalil							
	Triadimefon							
43121-43-3	Triadimefon							
	Triclopyr							
55335-06-3	(3,5,6-trichloro-2-pyridyl)oxyacetic acid (Triclopyr)							
57213-69-1	Triclopyr triethylammonium salt							
	Propiconazole							
60207-90-1	Propiconazole / mixture of (2RS,4RS)-1-[2-(2,4-dichlorophenyl)-4-propyl-1,3-dioxolan-2-ylmethyl]-1H-1,2,4-triazole and (2RS,4SR)-1-[2-(2,4-dichlorophenyl)-4-propyl-1,3-dioxolan-2-ylmethyl]-1H-1,2,4-triazole							
	Cyfluthrin							
68359-37-5	Cyfluthrin							
	Fluazifop butyl							
69806-50-4	Fluazifop butyl							
	Fenoxycarb							
72490-01-8	Fenoxycarb							

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	Chlorobenzilate							
510-15-6	Chlorobenzilate							
	Bifenthrin							
82657-04-3	Bifenthrin							
	Terbacil							
5902-51-2	Terbacil							
	Mevinphos							
7786-34-7	Mevinphos							
	Metiram							
9006-42-2	Metiram							
	Ametryn							
834-12-8	Ametryn							
	Diphenamid							
957-51-7	Diphenamid							
	Pebulate							
1114-71-2	Pebulate							
	Cycloate							
1134-23-2	Cycloate							
	Methazole							
20354-26-1	Methazole							
	Cyanazine							
21725-46-2	Cyanazine							
	Isofenphos							
25311-71-1	Isofenphos							
	Norflurazon							
27314-13-2	Norflurazon							
	Bromoxynil							
1689-84-5	Bromoxynil							
1689-99-2	Bromoxynil octanoate							
	Nitrofen							
1836-75-5	Nitrofen							
	Diethatyl ethyl							
38727-55-8	Diethatyl ethyl							
	Benfluralin							
1861-40-1	Benfluralin							
	Dinocap							
39300-45-3	Dinocap							
	Oxyfluorfen							
42874-03-3	Oxyfluorfen							
	Dicamba							
1918-00-9	Dicamba							
1982-69-0	Sodium dicamba							
2300-66-5	Dimethylamine dicamba							
	Vinclozolin							
50471-44-8	Vinclozolin / (RS)-3-(3,5-dichlorophenyl)-5-methyl-5-vinyl-1,3-oxazolidine-2,4-dione							
	Picloram							
1918-02-1	Picloram							
	Propachlor							
1918-16-7	Propachlor							
	Hexazinone							
51235-04-2	Hexazinone							
	Diclofop methyl							
51338-27-3	Diclofop methyl							
	Nitrapyrin							
1929-82-4	Nitrapyrin							
	Dimethipin							
55290-64-7	Dimethipin							
	Methiocarb							
2032-65-7	Methiocarb							
	Fenarimol							
60168-88-9	Fenarimol							
	Acifluorfen, sodium salt							
62476-59-9	Acifluorfen, sodium salt							
	Chlorsulfuron							
64902-72-3	Chlorsulfuron							
	Dipotassium endothall							
2164-07-0	Dipotassium endothall							
	Fenoxaprop ethyl							
66441-23-4	Fenoxaprop ethyl							
	Fluometuron							
2164-17-2	Fluometuron							
	Cyhalothrin							
68085-85-8	Cyhalothrin							
	Fluvalinate							
69409-94-5	Fluvalinate							
	Fomesafen							
72178-02-0	Fomesafen							
	Allate							
2303-16-4	Diallate							
2303-17-5	Triallate							
	Anilazine							
101-05-3	Anilazine							
	Myclobutanil							

Pollutant		Thresholds, Australia: NPI						
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88671-89-0	Myclobutanil / 2-(4-chlorophenyl)-2-(1H-1,2,4-triazol-1-ylmethyl)hexanenitrile							
	Dodine							
2439-10-3	Dodine							
	Chlorimuron ethyl							
90982-32-4	Chlorimuron ethyl							
	Tribenuron methyl							
101200-48-0	Tribenuron methyl							
	Temephos							
3383-96-8	Temephos							
	Fenvalerate							
51630-58-1	Fenvalerate (α-cyano-3-phenoxybenzyl 2-(4-chlorophenyl)-3-methylbutyrate)							
	Propoxur							
114-26-1	Propoxur (2-isopropoxyphenyl N-methylcarbamate)							
	Malathion / malathon							
121-75-5	Malathion (O,O-dimethyl S-1,2-bis(ethoxycarbonyl)ethyl phosphorodithioate)							
	Dimethoate							
60-51-5	Dimethoate (O,O-dimethyl S-(N-methylcarbamoyl)methyl phosphorodithioate)							
	Hexachlorophene							
70-30-4	Hexachlorophene							
	Methyl isothiocyanate							
556-61-6	Methyl isothiocyanate							
	Thiophanate							
23564-05-8	Thiophanate methyl / dimethyl 4,4'-(o-phenylene)bis(3-thioallophanate)							
23564-06-9	Thiophanate ethyl							
	Cyhalofop / cyhalofop-butyl							
122008-85-9	butyl (R)-2-[4-(4-cyano-2-fluorophenoxy)phenoxy]propionate							
	Disulfuton / ethylthiometon							
298-04-4	O,O-diethyl S-2-(ethylthio)ethyl phosphorodithioate							
	Fenothiocarb							
62850-32-2	S-4-phenoxybutyl N,N-dimethylthiocarbamate							
	Halosulfuron-Methyl							
100784-20-1	methyl 3-chloro-5-(4,6-dimethoxy-2-pyrimidinylcarbamoylsulfamoyl)-1-methylpyrazole-4-carboxylate							
	Fumazone							
96-12-8	1,2-dibromo3-chloropropane							
	Difenoconazole							
119446-68-3	1-({2-[2-chloro-4-(4-chlorophenoxy)phenyl]-4-methyl-1,3-dioxolan-2-yl}methyl)-1H-1,2,4-triazole							
	Prothiofos							
34643-46-4	O-2,4-dichlorophenyl O-ethyl S-propyl phosphorodithioate							
	Dichlorophene							
97-23-4	Dichlorophene							
	Bromol							
118-79-6	2,4,6-tribromophenol							
	Prometryn							
7287-19-6	Prometryn							
	Dichloran							
99-30-9	Dichloran							
	Maneb							
12427-38-2	Maneb [Carbamodithioic acid, 1,2-ethanediylbis-,manganese complex] / manganese N,N'-ethylenebis(dithiocarbamate) (Jpn)							
	Methidathion / DMTP							
950-37-8	S-(2,3-dihydro-5-methoxy-2-oxo-1,3,4-thiadiazol-3-yl)methyl O,O-dimethyl phosphorodithioate							
	Tetrachlorvinphos							
961-11-5	Tetrachlorvinphos							
	Isoxathion							
18854-01-8	O,O-diethyl O-5-phenyl-3-isoxazolyl phosphorothioate							
	Kitazin P / iprobenfos / IBP							
26087-47-8	S-benzyl O,O-diisopropyl phosphorothioate							
	dichlobenil / DBN							
1194-65-6	2,6-dichlorobenzonitrile							
	Edifenphos / EDDP							
17109-49-8	O-ethyl S,S-diphenyl phosphorodithioate							
	Pyraclofos							
77458-01-6	O-1-(4-chlorophenyl)-4-pyrazolyl O-ethyl S-propyl phosphorothioate							
	Oxidiazon							
19666-30-9	Oxidiazon / 5-tert-butyl-3-(2,4-dichloro-5-isopropoxyphenyl)-1,3,4-oxadiazol-2(3H)-one							
	Acephate							
30560-19-1	Acephate / (RS)-O,S-dimethyl acetylphosphoramidothioate							
	Metacide 38							
35691-65-7	1-bromo-1-(bromomethyl)-1,3-propanedicarbonitrile							
	Metolachlor							
51218-45-2	2-chloro-2'-ethyl-N-(2-methoxy-1-methylethyl)-6'-methylacetanilide							
	3-iodo-2-propynyl butylcarbamate							
55406-53-6	3-iodo-2-propynyl butylcarbamate							
	Mefenacet							
73250-68-7	2-(2-benzothiazolyloxy)-N-methylacetanilide							

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	Clofentezine							
74115-24-5	3,6-bis(2-chlorophenyl)-1,2,4,5-tetrazine							
	Phosalone							
2310-17-0	O,O-diethyl S-(6-chloro-2,3-dihydro-2-oxobenzoxazolinyl)methyl phosphorodithioate							
	Carbofuran							
1563-66-2	Carbofuran / 2,3-dihydro-2,2-dimethyl-7-benzo[b]furanyl N-methylcarbamate							
	Phenthoate / PAP							
2597-03-7	ethyl 2-[(dimethoxyphosphinothioyl)thio]-2-phenylacetate							
	Tebufenpyrad							
119168-77-3	N-(4-tert-butylbenzyl)-4-chloro-3-ethyl-1-methylpyrazole-5-carboxamide							
	Cafenstrole							
125306-83-4	N,N-diethyl-3-(2,4,6-trimethylphenylsulfonyl)-1H-1,2,4-triazole-1-carboxamide							
	Fipronil							
120068-37-3	5-amino-1-[2,6-dichloro-4-(trifluoromethyl)phenyl]-3-cyano-4-[(trifluoromethyl)sulfinyl]pyrazole							
	Isoprocarb / MIPC							
2631-40-5	2-isopropylphenyl N-methylcarbamate							
	Landrin							
2655-15-4	2,3,5-trimethylphenyl methylcarbamate							
	2,4-D chlorocrotyl ester							
2971-38-2	2,4-D chlorocrotyl ester							
	Fenobucarb / BPMC							
3766-81-2	2-sec-butylphenyl N-methylcarbamate							
	D-trans-allethrin							
28057-48-9	D-trans-allethrin							
	Dowicil 200							
4080-31-3	1-(3-chloroallyl)-3,5,7-triaza-1-azoniaadamantane chloride							
	N-nitrosomethylvinylamine							
4549-40-0	N-nitrosomethylvinylamine							
	Carboxin							
5234-68-4	Carboxin							
	Thiram							
137-26-8	Thiram (tetramethylthiuram disulfide)							
	Sodium fluoroacetate							
62-74-8	Sodium fluoroacetate							
	Beta-propiolactone							
57-57-8	Beta-propiolactone							
	Dipropyl isocinchomeronate							
136-45-8	Dipropyl isocinchomeronate							
Colors and dyes								
	C.I. Fluorescent 260							
16090-02-1	disodium2,2'-vinylenebis[5-(4-morpholino-6-anilino-1,3,5-triazin-2-ylamino)benzenesulfonate]							
	5'-[N,N-bis(2-acetyloxyethyl)amino]-2'-(2-bromo-4,6-dinitrophenylazo)-4'-methoxyacetanilide							
3618-72-2	5'-[N,N-bis(2-acetyloxyethyl)amino]-2'-(2-bromo-4,6-dinitrophenylazo)-4'-methoxyacetanilide							
	C.I. Food Red							
3761-53-3	C.I. Food Red 5							
81-88-9	C.I. Food Red 15							
	C.I. Solvent Yellow							
60-09-3	C.I. Solvent Yellow 3 / 4-aminoazobenzene							
97-56-3	C.I. Solvent Yellow 3							
492-80-8	C.I. Solvent Yellow 34							
842-07-9	C.I. Solvent Yellow 14							
	C.I. Basic Green							
569-64-2	C.I. Basic Green 4							
	C.I. Vat Yellow							
128-66-5	C.I. Vat Yellow 4							
	C.I. Basic Red							
989-38-8	C.I. Basic Red 1							
	C.I. Direct Black							
1937-37-7	C.I. Direct Black 38							
	C.I. Direct Blue							
2602-46-2	C.I. Direct Blue 6							
28407-37-6	C.I. Direct Blue 218							
	C.I. Disperse Yellow							
2832-40-8	C.I. Disperse Yellow 3							
	C.I. Solvent Orange							
3118-97-6	C.I. Solvent Orange 7							
	C.I. Acid Green							
4680-78-8	C.I. Acid Green 3							
	C.I. Acid Red							
6459-94-5	C.I. Acid Red 114							
	C.I. Direct Brown							
16071-86-6	C.I. Direct Brown 95							
	Trypan blue							
72-57-1	Trypan blue							
Active pharmaceutical ingredient (API)								
	Fluorouracil							
51-21-8	Fluorouracil							

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	disulfiram							
97-77-8	tetraethylthiuram disulfide / disulfiram							
	Nicotine							
LCL-108	Nicotine and salts							
	Phenytoin							
57-41-0	Phenytoin							
	Pentobarbital sodium							
57-33-0	Pentobarbital sodium							
	Tetracycline hydrochloride							
64-75-5	Tetracycline hydrochloride							
	Triaziquone							
68-76-8	Triaziquone							
	Warfarin							
LCL-109	Warfarin and salts							
Non-grouped organic substances								
75-08-1	ethanethiol							
25103-58-6	tert-dodecanethiol							
420-04-2	cyanamide							
17796-82-6	N-(cyclohexylthio)phthalimide							
4979-32-2	N,N-dicyclohexyl-2-benzothiazolesulfenamide							
505-32-8	3,7,11,15-tetramethylhexadec-1-en-3-ol / isophytol							
112-57-2	3,6,9-triazaundecane-1,11-diamine / tetraethylenepentamine							
112-24-3	triethylenetetramine							
99-76-3	methyl 4-hydroxybenzoate							
103-90-2	N-(4-hydroxyphenyl)acetamide							
941-69-5	N-phenylmaleimide							
2426-08-6	n-butyl-2,3-epoxypropyl ether							
25013-16-5	butylhydroxyanisole / BHA							
LCL-110	water-soluble salts of peroxodisulfuric acid							
674-82-8	4-methylideneoxetan-2-one							
3268-49-3	3-methylthiopropanal							
110-91-8	morpholine							
78-42-2	tris(2-ethylhexyl) phosphate							
1330-78-5	tritolyl phosphate							
115-86-6	triphenyl phosphate							
552-30-7	1,2,4-benzenetricarboxylic 1,2-anhydride							
100-97-0	1,3,5,7-tetraazatricyclo[3.3.1.13.7]decane / hexamethylenetetramine							
100-37-8	2-(diethylamino)ethanol							
4162-45-2	2,2'-{isopropylidenebis[(2,6-dibromo-4,1-phenylene)oxy]}diethanol							
78-67-1	2,2'-azobisisobutyronitrile							
541-53-7	2,4-Dithiobiuret							
53-96-3	2-acetylaminofluorene							
141-43-5	2-aminoethanol							
75-86-5	2-methyllactonitrile / acetone cyanohydrin							
101-80-4	4,4'-Diaminodiphenyl ether							
101-61-1	4,4'-methylenebis(N,N-dimethyl)benzeneamine							
92-67-1	4-aminobiphenyl							
60-11-7	4-dimethylaminoazobenzene							
92-93-3	4-nitrobiphenyl							
100-40-3	4-vinyl-1-cyclohexene							
60-35-5	Acetamide							
134-32-7	alpha-naphthylamine							
55-21-0	Benzamide							
91-59-8	beta-naphthylamine							
111-44-4	Bis(2-chloroethyl) ether							
542-88-1	Bis(chloromethyl)ether							
107-30-2	Chloromethyl methyl ether							
115-10-6	Dimethylether							
123-86-4	Butyl acetate:n-							
LCL-111	Dihydronapthalene (all isomers)							
7379-12-6	Methyl-3-hexanone,2-							
27133-93-3	Methylindan (all isomers)							
103-71-9	Phenyl isocyanate							
420-56-4	Trimethylfluorosilane							
135-20-6	Cupferron							
132-64-9	Dibenzofuran							
101-90-6	Diglycidyl resorcinol ether / 1,3-bis[(2,3-epoxypropyl)oxy]benzene							
138-93-2	Disodium cyanodithioimidocarbonate							
759-94-4	Ethyl dipropylthiocarbamate							
112-02-7	hexadecyltrimethylammonium chloride							
124-09-4	hexamethylenediamine							
680-31-9	Hexamethylphosphoramide							
74-93-1	Methyl mercaptan (methanethiol) (USA: on TRI list, but reporting requirements currently suspended)							
109-77-3	Malononitrile							
79-22-1	Methyl chlorocarbonate							
624-83-9	Methyl isocyanate							
95-31-8	N-(tert-butyl)-2-benzothiazolesulfenamide							
1643-20-5	N,N-dimethyldodecylamine N-oxide							
924-42-5	N-Methylolacrylamide							
55-18-5	N-nitrosodiethylamine							
62-75-9	N-nitrosodimethylamine							
924-16-3	N-nitrosodi-N-butylamine							
621-64-7	N-nitrosodi-N-propylamine							
59-89-2	N-nitrosomorpholine							
759-73-9	N-nitroso-N-ethylurea							
684-93-5	N-nitroso-N-methylurea							
16543-55-8	N-nitrosonornicotine							
100-75-4	N-nitrosopiperidine							

Long Chemical List

Pollutant		Thresholds, Australia: NPI						
CAS Number	Pollutant Name	Chemical Category	Usage (kg/year)	Annual Emission / Transfer (kg/year)	Fuel Combusted: Annual (kg/year)	Fuel Combusted: Hourly (kg/hr)	Energy Use (MWh)	Power Rating (MW)
104-12-1	P-chlorophenyl isocyanate							
110-85-0	Piperazine							
51-03-6	Piperonyl butoxide							
1120-71-4	Propane sultone							
78-48-8	S,S,S-tributyltrithiophosphate							
81-07-2	Saccharin (Manufacturing, no supplier notification)							
132-27-4	Sodium O-phenylphenoxide							
11070-44-3	Tetrahydromethylphthalic anhydride							
62-55-5	Thioacetamide							
79-19-6	Thiosemicarbazide							
126-73-8	tri-n-butyl phosphate							
115-96-8	Tris(2-chloroethyl) phosphate							
51-79-6	Urethane							
105-60-2	ε-caprolactam							

Pollutant		Thresholds, Canada: NPRI					
CAS Number	Pollutant Name	Chemical Category	Manufacture, Process, or Otherwise Use (kg/year)	Release, Disposal, or Transfer for Recycling (kg/year)	Activity	Air Release (kg/year)	Concentration	Caveats/ Notes
Persistent Organic Pollutants (POPs)								
	Pesticides							
309-00-2	Aldrin							
57-74-9	Chlordane							
50-29-3	DDT / 1,1,1-trichloro-2,2-bis(4-chlorophenyl)ethane							
60-57-1	Dieldrin							
72-20-8	Endrin							
76-44-8	Heptachlor							
2385-85-5	Mirex							
8001-35-2	Toxaphene							
319-84-6	alpha-hexachlorocyclohexane							
319-85-7	beta-hexachlorocyclohexane							
58-89-9	Lindane (E-PRTR) / gamma-hexachlorocyclohexane / Lindane [Cyclohexane, 1,2,3,4,5,6-hexachloro-,(1.alpha.,2.alpha.,3.beta.,4.alpha.,5.alpha.,6.beta.)-] (USA)							
143-50-0	Chlordecone							
608-93-5	Pentachlorobenzene							
	Industrial chemicals							
118-74-1	Hexachlorobenzene (HCB)	3			✓			
1336-36-3	Polychlorinated biphenyls (PCBs)							
36355-01-8	Hexabromobiphenyl / USA: listed in TRI as member of Polybrominated Biphenyls (PBBs)							
68631-49-2	2,2',4,4',5,5'-hexabromodiphenyl ether (BDE-153), as Hexabromodiphenyl ether and heptabromodiphenyl ether (commercial octabromodiphenyl ether)							
207122-15-4	2,2',4,4',5,6'-hexabromodiphenyl ether (BDE-154), as Hexabromodiphenyl ether and heptabromodiphenyl ether (commercial octabromodiphenyl ether)							
446255-22-7	2,2',3,3',4,5',6-heptabromodiphenyl ether (BDE-175), as Hexabromodiphenyl ether and heptabromodiphenyl ether (commercial octabromodiphenyl ether)							
207122-16-5	2,2',3,4,4',5',6-heptabromodiphenyl ether (BDE-183), as Hexabromodiphenyl ether and heptabromodiphenyl ether (commercial octabromodiphenyl ether)							
5436-43-1	Tetrabromodiphenyl ether, as Tetrabromodiphenyl ether and pentabromodiphenyl ether (commercial pentabromodiphenyl ether)							
60348-60-9	Pentabromodiphenyl ether, as Tetrabromodiphenyl ether and pentabromodiphenyl ether (commercial pentabromodiphenyl ether)							
LCL-1	Perfluorooctane sulfonic acid (PFOS), its salts and perfluorooctane sulfonyl fluoride (PFOS-F) / Jpn: perfluoro(octane-1-sulfonic acid)							
	Polychlorinated dioxins and furans							
LCL-2	Dioxins and furans / Polychlorinated dioxins and furans (as TEQ) / Dioxin and Dioxin-Like Compounds (Cdn: Facilities are required to report to the NPRI on individual dioxin and furan congeners in grams, unless information is not available. In this case, facilities are required to report on total dioxins and furans in grams toxic equivalent (I-TEQ))							
LCL-3	Dioxins (Jpn: in accordance with WHO: The chemical name for dioxin is: 2,3,7,8- tetrachlorodibenzo para dioxin (TCDD). The name "dioxins" is often used for the family of structurally and chemically related polychlorinated dibenzo para dioxins (PCDDs) and polychlorinated dibenzofurans (PCDFs). Certain dioxin-like polychlorinated biphenyls (PCBs) with similar toxic properties are also included under the term “dioxins”. Some 419 types of dioxin-related compounds have been identified but only about 30 of these are considered to have significant toxicity, with TCDD being the most toxic.							
67562-39-4	1,2,3,4,6,7,8-Heptachlorodibenzofuran (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category	3			✓			
55673-89-7	1,2,3,4,7,8,9-Heptachlorodibenzofuran (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category	3			✓			
35822-46-9	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category	3			✓			
70648-26-9	1,2,3,4,7,8-Hexachlorodibenzofuran (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category	3			✓			
72918-21-9	1,2,3,7,8,9-Hexachlorodibenzofuran (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category	3			✓			
57117-44-9	1,2,3,6,7,8-Hexachlorodibenzofuran (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category	3			✓			
60851-34-5	2,3,4,6,7,8-Hexachlorodibenzofuran (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category	3			✓			
39227-28-6	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category	3			✓			
19408-74-3	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category	3			✓			
57653-85-7	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category	3			✓			
39001-02-0	Octachlorodibenzofuran (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category	3			✓			

Long Chemical List

Pollutant		Thresholds, Canada: NPRI						
CAS Number	Pollutant Name	Chemical Category	Manufacture, Process, or Otherwise Use (kg/year)	Release, Disposal, or Transfer for Recycling (kg/year)	Activity	Air Release (kg/year)	Concentration	Caveats/ Notes
3268-87-9	Octachlorodibenzo-p-dioxin (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category	3			✓			
57117-31-4	2,3,4,7,8-Pentachlorodibenzofuran (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category	3			✓			
57117-41-6	1,2,3,7,8-Pentachlorodibenzofuran (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category	3			✓			
40321-76-4	1,2,3,7,8-Pentachlorodibenzo-p-dioxin (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category	3			✓			
51207-31-9	2,3,7,8-Tetrachlorodibenzofuran (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category	3			✓			
1746-01-6	2,3,7,8-Tetrachlorodibenzo-p-dioxin (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category	3			✓			
Metals								
	Antimony and its compounds							
7440-36-0	Antimony							
LCL-4	Antimony Compounds							
LCL-5	Antimony and its compounds	1A	10,000				1.0%	
	Arsenic and its compounds							
7440-38-2	Arsenic							
LCL-6	Arsenic Compounds							
LCL-7	Arsenic and its compounds / Arsenic and compounds (as As)	1B	50				0.1%	
	Boron and its compounds							
LCL-8	Boron & compounds / boron and its compounds /Jpn: Boron compounds							
10294-34-5	Boron trichloride							
7637-07-2	Boron trifluoride	1A	10,000				1.0%	
	Cadmium and its compounds							
7440-43-9	Cadmium							
LCL-9	Cadmium Compounds							
LCL-10	Cadmium and its compounds / Cadmium and compounds (as Cd)	1B	5				0.1%	
	Chromium and its compounds							
LCL-11	Chromium and compounds (as Cr) (E-PRTR: total mass in all chemical forms)							
7440-47-3	Chromium							
LCL-12	Chromium Compounds (except chromite ore mined in the Transvaal region)							
LCL-13	Chromium (and its compounds), excludes hexavalent chromium (and its compounds)	1A	10,000				1.0%	
LCL-14	Chromium III compounds / chromium and chromium(III) compounds							
LCL-15	Chromium VI compounds / Hexavalent chromium (and its compounds)	1B	50				0.1%	
	Cobalt and its compounds							
7440-48-4	Cobalt							
LCL-16	Cobalt Compounds							
LCL-17	Cobalt and its compounds	1A	10,000				1.0%	
	Copper and its compounds							
7440-50-8	Copper							
LCL-18	Copper Compounds							
LCL-19	Copper and its compounds / Copper and compounds (as Cu) / (Jpn: copper salts (water-soluble, except complex salts))	1A	10,000				1.0%	
10380-28-6	bis(8-quinolinolato)copper (USA: included as "copper compound")							
	Lead and its compounds							
7439-92-1	Lead (USA: when lead is contained in stainless steel, brass or bronze alloys the de minimis level is 0.1)							
LCL-20	Lead Compounds							
LCL-21	Lead and its compounds / Lead and compounds as (Pb)							
LCL-22	Lead and its compounds except tetraethyl lead	1B	50				0.1%	
78-00-2	Tetraethyl lead (USA: included as "lead compound")	1B	50				0.1%	
	Manganese and its compounds							
7439-96-5	Manganese							
LCL-23	Manganese Compounds							
LCL-24	Manganese and its compounds	1A	10,000				1.0%	
	Mercury and its compounds							
7439-97-6	Mercury							
LCL-25	Mercury Compounds							
LCL-26	Mercury and its compounds / Mercury and compounds (as Hg)	1B	5				0%	
	Nickel and its compounds							
7440-02-0	Nickel							
LCL-27	Nickel Compounds							
LCL-28	Nickel and its compounds / Nickel and compounds (as Ni)	1A	10,000				1.0%	
12035-72-2	Nickel subsulfide (USA and Canada: included as "nickel compound")							
13463-39-3	Nickel carbonyl (USA and Canada: included as "nickel compound")							
	Selenium and its compounds							
7782-49-2	Selenium							
LCL-29	Selenium Compounds							
LCL-30	Selenium and its compounds	1B	100				0.000005%	
	Zinc and its compounds							
7440-66-6	Zinc (fume or dust)							
LCL-31	Zinc Compounds							
LCL-32	Zinc and its compounds / Zinc and compounds (as Zn) / zinc compounds (water-soluble) (Jpn)	1A	10,000				1.0%	

Pollutant		Thresholds, Canada: NPRI						
CAS Number	Pollutant Name	Chemical Category	Manufacture, Process, or Otherwise Use (kg/year)	Release, Disposal, or Transfer for Recycling (kg/year)	Activity	Air Release (kg/year)	Concentration	Caveats/ Notes
137-30-4	zinc bis(N,N'-dimethyldithiocarbamate) (USA: included as "zinc compound") / ziram							
12122-67-7	Zineb [Carbamodithioic acid, 1,2-ethanediyibis-, zinc complex]							
12071-83-9	polymer of N,N'-propylenebis(dithiocarbamic acid)and zinc / propineb							
64440-88-6	N,N'-ethylenebis(thiocarbamoylthiozinc) bis(N,N-dimethyldithiocarbamate) or polymer of N,N'-propylenebis(dithiocarbamic acid) and zinc (USA: included as "zinc compound")							
	Beryllium and its compounds							
7440-41-7	Beryllium							
LCL-33	Beryllium Compounds							
LCL-34	Beryllium and its compounds							
	Silver and its compounds							
7440-22-4	Silver							
LCL-35	Silver Compounds							
LCL-36	Silver and its compounds / Jpn: water-soluble compounds	1A	10,000				1.0%	
	Vanadium and its compounds							
7440-62-2	Vanadium (except when contained in an alloy)	1A	10,000				1.0%	
LCL-37	Vanadium compounds							
	Aluminum and compounds							
7429-90-5	Aluminum (fume or dust)	1A	10,000				1.0%	
1344-28-1	Aluminum oxide (fibrous forms)	1A	10,000				1.0%	
20859-73-8	Aluminum phosphide							
	Barium and its compounds							
7440-39-3	Barium							
LCL-38	Barium Compounds (USA: excl. Barium sulfate CAS Number 7727-43-7)							
	Indium and its compounds							
LCL-39	Indium and its compounds							
	Iron and its compounds							
7705-08-0	ferric chloride							
13463-40-6	Iron pentacarbonyl	1A	10,000				1.0%	
	Lithium and its compounds							
554-13-2	Lithium carbonate	1A	10,000				1.0%	
	Magnesium and its compounds							
1309-48-4	Magnesium oxide fume							
	Molybdenum and its compounds							
LCL-40	Molybdenum and its compounds							
1313-27-5	Molybdenum trioxide	1A	10,000				1.0%	
	Osmium and its compounds							
20816-12-0	Osmium tetroxide							
	Thallium and its compounds							
7440-28-0	Thallium							
LCL-41	Thallium Compounds							
	Titanium tetrachloride							
7550-45-0	Titanium tetrachloride	1A	10,000				1.0%	
	Zirconium							
7699-43-6	zirconium dichloride oxide							
Inorganic substances								
	Asbestos							
1332-21-4	Asbestos / Cdn, USA: Asbestos (friable)	1A	10,000				1.0%	
	Cyanides (as total CN)							
LCL-42	Cyanides (as total CN) (E-PRTR) / Cyanide compounds (X+CN- where X = H+ or any other group where a formal dissociation can be made) (USA) / Cyanide (inorganic) compounds (Aus) / inorganic cyanide compounds (except complex salts and cyanates) (Japan) / Cyanides (ionic) (Cdn)	1A	10,000				1.0%	
74-90-8	Hydrogen cyanide	1A	10,000				1.0%	
	Fluorides (as total F)							
LCL-43	Fluorides (as total F) / Jpn: hydrogen fluoride and its water-soluble salts							
LCL-44	Fluoride compounds							
7664-39-3	Hydrogen fluoride	1A	10,000				1.0%	
7681-49-4	Sodium fluoride	1A	10,000				1.0%	
7789-75-5	Calcium fluoride	1A	10,000				1.0%	
	Phosphorus							
LCL-45	Phosphorus (total)							
LCL-46	Phosphorus (total, excluding yellow or white phosphorus)	1A	10,000				1.0%	
7723-14-0	Phosphorus (yellow, white)	1A	10,000				1.0%	
	Nitrate							
LCL-47	Nitrate Compounds (water dissociable; reportable only when in aqueous solution)							
LCL-48	nitrate ion in solution at ph >= 6.0	1A	10,000				1.0%	
7697-37-2	Nitric Acid	1A	10,000				1.0%	
	Particulate matter							
LCL-49	PM - Total Particulate Matter (Canada: Particulate matter with a diameter less than 100 micrometres)	4				20,000		
LCL-50	PM10 - Particulate matter	4				500		
LCL-51	PM2.5 - Particulate Matter <= 2.5 Microns	4				300		
	Sulfate							
7664-93-9	Sulfuric acid / Sulfuric acid (acid aerosols including mists, vapors, gas, fog, and other airborne forms of any particle size) (USA)	1A	10,000				1.0%	
	Chloride (as Cl-)							
LCL-52	Chlorides (as total Cl)							
	Nitrite							

Long Chemical List

Pollutant		Thresholds, Canada: NPRI						
CAS Number	Pollutant Name	Chemical Category	Manufacture, Process, or Otherwise Use (kg/year)	Release, Disposal, or Transfer for Recycling (kg/year)	Activity	Air Release (kg/year)	Concentration	Caveats/ Notes
7632-00-0	Sodium nitrite	1A	10,000				1.0%	
	Potassium bromate							
07758-01-2	Potassium bromate	1A	10,000				1.0%	
	Phosphoric acid							
7664-38-2	Phosphoric acid							
	Sodium azide							
26628-22-8	Sodium azide							
	Thorium dioxide							
1314-20-1	Thorium dioxide	1A	10,000				1.0%	
	Total Nitrogen							
LCL-53	Total nitrogen							
	Total Sulphur							
LCL-54	Total Reduced Sulphur (TRS) (Total of hydrogen sulphide, carbon disulphide, carbonyl sulphide, dimethyl sulphide, dimethyl disulphide and methyl mercaptan, expressed as hydrogen sulphide)	1A	10,000				1.0%	
Chlorinated and brominated organic substances								
	Chlorinated ethanes and propanes							
107-06-2	1,2-Dichloroethane	1A	10,000				1.0%	
75-00-3	Chloroethane	1A	10,000				1.0%	
79-00-5	1,1,2-Trichloroethane	1A	10,000				1.0%	
71-55-6	1,1,1-trichloroethane							
79-34-5	1,1,2,2-Tetrachloroethane	1A	10,000				1.0%	
630-20-6	1,1,1,2-Tetrachloroethane	1A	10,000				1.0%	
75-34-3	Ethylidene dichloride (1,1-Dichloroethane)							
76-01-7	Pentachloroethane	1A	10,000				1.0%	
67-72-1	Hexachloroethane	1A	10,000				1.0%	
78-87-5	1,2-Dichloropropane	1A	10,000				1.0%	
96-18-4	1,2,3-Trichloropropane							
	Chlorinated ethenes and propenes							
75-01-4	Vinyl chloride (Chloroethylene)	1A	10,000				1.0%	
79-01-6	Trichloroethylene	1A	10,000				1.0%	
127-18-4	Tetrachloroethylene	1A	10,000				1.0%	
75-35-4	Vinylidene chloride (1,1-dichloroethylene)	1A	10,000				1.0%	
107-05-1	Allyl chloride (3-chloropropene)	1A	10,000				1.0%	
563-47-3	3-Chloro-2-methyl-1-propene	1A	10,000				1.0%	
156-59-2	cis-1,2-dichloroethylene							
540-59-0	1,2-Dichloroethylene							
542-75-6	1,3-Dichloropropylene / D-D							
78-88-6	2,3-dichloropropene							
10061-02-6	trans-1,3-dichloropropene							
	Chlorinated methanes							
75-09-2	Dichloromethane / methylene dichloride	1A	10,000				1.0%	
67-66-3	Trichloromethane / Chloroform	1A	10,000				1.0%	
56-23-5	Tetrachloromethane / Carbon tetrachloride	1A	10,000				1.0%	
74-87-3	Chloromethane / methyl chloride	1A	10,000				1.0%	
	Chlorobenzenes							
108-90-7	Chlorobenzene	1A	10,000				1.0%	
95-50-1	o-Dichlorobenzene; 1,2-Dichlorobenzene	1A	10,000				1.0%	
106-46-7	p-Dichlorobenzene; 1,4-Dichlorobenzene	1A	10,000				1.0%	
541-73-1	1,3-Dichlorobenzene							
25321-22-6	Dichlorobenzene (mixed isomers)							
12002-48-1	Trichlorobenzenes							
120-82-1	1,2,4-Trichlorobenzene	1A	10,000				1.0%	
	Brominated diphenylethers (PBDE)							
1163-19-5	Decabromodiphenyl ether	1A	10,000				1.0%	
LCL-55	Brominated diphenylethers (PBDE) (total mass of penta-BDE, octa-BDE and deca-BDE)							
	Short Chain Chlorinated Paraffins (SCCPs)							
85535-84-8	Chloro-alkanes (C10-C13) / Polychlorinated alkanes (C10 to C13) / Alkanes, C10-13, chloro	1A	10,000				1.0%	
LCL-56	Alkanes, C6-18, chloro (**attention**: short chain: only <C14!)	1A	10,000				1.0%	
	Brominated VOC							
75-25-2	Bromoform (Tribromomethane)							
74-95-3	Methylene bromide							
124-48-1	dibromochloromethane							
75-27-4	Dichlorobromomethane / bromodichloromethane							
106-93-4	1,2-Dibromoethane							
107-04-0	1-Bromo-2-chloroethane	1A	10,000				1.0%	
106-94-5	1-bromopropane							
75-26-3	2-bromopropane							
593-60-2	Vinyl bromide							
	Chlorinated toluenes and phenols							
95-57-8	o-chlorophenol							
106-48-9	p-chlorophenol							
95-73-8	2,4-dichlorotoluene							
87-86-5	Pentachlorophenol (PCP)							
LCL-57	Chlorophenols (di, tri, tetra) (Aus) / Chlorophenols Cl 1-5 (USA)							
120-83-2	2,4-Dichlorophenol / Cdn: 2,4-Dichlorophenol (and its salts)	1A	10,000				1.0%	
88-06-2	2,4,6-Trichlorophenol							
95-95-4	2,4,5-Trichlorophenol							
95-49-8	o-chlorotoluene							
106-43-4	p-chlorotoluene							
131-52-2	Sodium pentachlorophenate							
98-87-3	Benzal chloride (Benzylidene dichloride)							
98-88-4	Benzoyl chloride	1A	10,000				1.0%	
100-44-7	Benzyl chloride	1A	10,000				1.0%	
611-19-8	1-chloro-2-(chloromethyl)benzene							
59-50-7	4-chloro-3-methylphenol							
98-07-7	Benzoic trichloride (Benzylidyne trichloride)							

Pollutant		Thresholds, Canada: NPRI						
CAS Number	Pollutant Name	Chemical Category	Manufacture, Process, or Otherwise Use (kg/year)	Release, Disposal, or Transfer for Recycling (kg/year)	Activity	Air Release (kg/year)	Concentration	Caveats/ Notes
	Chlorendic acid							
115-28-6	Chlorendic acid (1,4,5,6,7,7-hexachlorobicyclo[2.2.1]-5-heptene-2,3-dicarboxylic acid)	1A	10,000				1.0%	
	Chlorinated carboxylic acids & carboxylic acid esters							
79-11-8	Chloroacetic acid (Japan, USA) / Chloroacetic acid (and its salts) (Cdn)	1A	10,000				1.0%	
76-03-9	trichloroacetic acid							
76-02-8	Trichloroacetyl chloride							
598-78-7	2-chloropropionic acid							
105-39-5	ethyl chloroacetate							
	Bis(2-chloro-1-methylethyl) ether							
108-60-1	Bis(2-chloro-1-methylethyl) ether							
	Bis(2-chloroethoxy)methane							
111-91-1	Bis(2-chloroethoxy)methane							
	Chloroanilines							
95-51-2	o-chloroaniline							
106-47-8	p-chloroaniline							
LCL-58	chloroaniline							
LCL-59	dichloroaniline							
95-69-2	p-chloro-o-toluidine							
	Chloroprene							
126-99-8	Chloroprene							
	Chlorinated butenes							
110-57-6	Trans-1,4-dichloro-2-butene							
764-41-0	1,4-dichloro-2-butene							
	Chloronaphthalenes							
1335-87-1	Hexachloronaphthalene							
2234-13-1	Octachloronaphthalene							
	3-Chloropropionitrile							
542-76-7	3-Chloropropionitrile	1A	10,000				1.0%	
	Dimethylcarbamyl chloride							
79-44-7	Dimethylcarbamyl chloride							
	Dimethyl chlorothiophosphate							
2524-03-0	Dimethyl chlorothiophosphate							
	2,2-dibromo-2-cyanoacetamide							
10222-01-2	2,2-dibromo-2-cyanoacetamide (Jpn) / 2,2-Dibromo-3-nitrilopropionamide (USA: on TRI list, but reporting requirements currently suspended)							
	Halogenated organic compounds							
LCL-60	Halogenated organic compounds (as AOX)							
	Hexachlorobutadiene (HCBD)							
87-68-3	Hexachlorobutadiene (HCBD)							
	Hexachlorocyclopentadiene							
77-47-4	Hexachlorocyclopentadiene	1A	10,000				1.0%	
	Perchloromethyl mercaptan							
594-42-3	Perchloromethyl mercaptan							
	2,2-bis(Bromomethyl)-1,3-propanediol							
3296-90-0	2,2-bis(Bromomethyl)-1,3-propanediol (added to TRI for RY2011)							
	Polybrominated biphenyls (PBBs)							
LCL-61	Polybrominated biphenyls							
	Tetrabromobisphenol A (TBBPA)							
79-94-7	Tetrabromobisphenol A (TBBPA)							
	Tris(2,3-dibromoproyl)phosphate							
126-72-7	Tris(2,3-dibromoproyl)phosphate							
	Vinyl Fluoride							
75-02-5	Vinyl Fluoride (added to TRI for RY2011)							
	Tetrafluoroethylene							
116-14-3	Tetrafluoroethylene (USA: added to TRI for RY2011)							
Ozone depleting substances								
	Hydrochlorofluorocarbons (HCFCs)							
LCL-62	Hydrochlorofluorocarbons (HCFCs) (E-PRTR: Total mass of substances including their isomers listed in Group VIII of Annex I to Regulation (EC) No 2037/2000 of the European Parliament and of the Council of 29 June 2000 on substances that deplete the ozone layer (OJ L 244, 29.9.2000, p. 1). Regulation as amended by Regulation (EC) No 1804/2003 (OJ L 265, 16.10.2003, p. 1))							
75-43-4	HCFC-21, Dichlorofluoromethane							
75-45-6	HCFC-22, Chlorodifluoromethane, Difluoromonochloromethane	1A	10,000				1.0%	
354-14-3	HCFC-121, 1,1,2,2-Tetrachloro-1-fluoroethane							
354-11-0	HCFC 121a, 1,1,1,2-Tetrachloro-2-Fluoroethane							
41834-16-6	HCFC-122 (all isomers) / (Cdn: total of all isomers, including, but not limited to, isomers with CAS RN 354-12-1, 354-15-4 and 354-21-2)	1A	10,000				1.0%	
34077-87-7	Dichlorotrifluoroethane / (Cdn: Total of all isomers, including, but not limited to, isomers with CAS RN 306-83-2, 354-23-4, 812-04-4 and 90454-18-5)	1A	10,000				1.0%	
306-83-2	HCFC-123 and all isomers, Dichlorotrifluoroethane / Jpn: HCFC-123 / 2,2-dichloro-1,1,1-trifluoroethane / (Cdn: listed on the NPRI with CAS 34077-87-7)							
354-23-4	HCFC-123a, 1,2-Dichloro-1,1,2-Trifluoroethane / (Cdn: listed on the NPRI with CAS 34077-87-7)							
812-04-4	HCFC-123b, 1,1-Dichloro-1,2,2-Trifluoroethane / (Cdn: listed on the NPRI with CAS 34077-87-7)							
90454-18-5	Dichloro-1,1,2-trifluoroethane / (Cdn: listed on the NPRI with CAS 34077-87-7)							

Long Chemical List

Pollutant		Thresholds, Canada: NPRI						
CAS Number	Pollutant Name	Chemical Category	Manufacture, Process, or Otherwise Use (kg/year)	Release, Disposal, or Transfer for Recycling (kg/year)	Activity	Air Release (kg/year)	Concentration	Caveats/ Notes
63938-10-3	Chlorotetrafluoroethane / Cdn: total of all isomers, including, but not limited to, isomers with CAS RN 76-14-2, 354-25-6, 374-07-2 and 2837-89-0	1A	10,000				1.0%	
354-25-6	1-Chloro-1,1,2,2-tetrafluoroethane (HCFC-124a) / (Cdn: listed on the NPRI with CAS 63938-10-3)							
2837-89-0	2-Chloro-1,1,1,2-tetrafluoroethane (HCFC-124) / (Cdn: listed on the NPRI with CAS 63938-10-3)							
1649-08-7	1,2-Dichloro-1,1-Difluoroethane, HCFC 132b							
75-88-7	2-Chloro-1,1,1-Trifluoroethane (HCFC-133a)							
1717-00-6	HCFC-141b / 1,1-dichloro-1-fluoroethane	1A	10,000				1.0%	
75-68-3	HCFC-142b / 1-chloro-1,1-difluoroethane	1A	10,000				1.0%	
127564-92-5	Dichloropentafluoropropane							
128903-21-9	2,2-Dichloro-1,1,1,3,3-pentafluoropropane (HCFC-225aa)							
422-44-6	1,2-Dichloro-1,1,2,3,3-Pentafluoropropane							
422-48-0	2,3-Dichloro-1,1,1,2,3-Pentafluoropropane							
422-56-0	3,3-Dichloro-1,1,1,2,2-Pentafluoropropane							
431-86-7	1,2-Dichloro-1,1,3,3,3-Pentafluoropropane							
507-55-1	1,3-Dichloro-1,1,2,2,3-Pentafluoropropane							
13474-88-9	1,1-Dichloro-1,2,2,3,3-Pentafluoropropane							
111512-56-2	1,1-Dichloro-1,2,3,3,3-Pentafluoropropane							
460-35-5	HCFC 253, 3-Chloro-1,1,1-Trifluoropropane							
431-07-2	Chlorotrifluoroethane (HCFC-133)							
	Chlorofluorocarbon (CFCs)							
LCL-63	Chlorofluorocarbons (CFCs) (E-PRTR: Total mass of substances including their isomers listed in Group I and II of Annex I to Regulation (EC) No 2037/2000)							
75-69-4	CFC-11, Trichlorofluoromethane	1A	10,000				1.0%	
75-71-8	CFC-12, Dichlorodifluoromethane	1A	10,000				1.0%	
76-13-1	CFC-113, trichlorotrifluoroethane / USA: Freon 113 [Ethane, 1,1,2-trichloro-1,2,2,-trifluoro-]							
76-14-2	CFC-114, Dichlorotetrafluoroethane	1A	10,000				1.0%	
76-15-3	CFC-115, Monochloropentafluoroethane	1A	10,000				1.0%	
75-72-9	CFC-13, Chlorotrifluoromethane	1A	10,000				1.0%	
LCL-64	CFC-112, Tetrachlorodifluoroethane							
	Halons							
LCL-65	Halons (E-PRTR: Total mass of substances including their isomers listed in Group III and VI of Annex I to Regulation (EC) No 2037/2000)							
353-59-3	Halon 1211, Bromochlorodifluoromethane	1A	10,000				1.0%	
75-63-8	Halon 1301, Bromotrifluoromethane	1A	10,000				1.0%	
124-73-2	Dibromotetrafluoroethane (Halon 2402)							
74-83-9	Bromomethane (Methyl bromide)	1A	10,000				1.0%	
Greenhouse gases (GHGs)								
	Carbon dioxide (CO2)							
124-38-9	Carbon dioxide / Aus: The Australian National Greenhouse Gas Accounts are published annually by the Australian Government. The national inventory forms the foundation for Australia's efforts to address climate change. By identifying and reporting emissions sources and sinks, and changes in these over time, the inventory provides information fundamental to the development of domestic mitigation policies and programmes, while also tracking Australia's progress towards meeting international commitments. / Cdn: Greenhouse gas emissions are reported to Canada's Greenhouse Gas Emissions Reporting Program (GHGRP), a complementary program to the NPRI, Canada's PRTR. /								
	Jpn: Japan has the program to mandate entities that emit considerably large amount of greenhouse gases (GHGs) to account and report their emissions to the government annually. The government publicizes the reported data based on the Act on Promotion of Global Warming Countermeasures since 2006. In addition, the government develops national greenhouse gas inventory and reports it every year to the UNFCCC secretariat under the UNFCCC and the Kyoto Protocol. / USA: The U.S. EPA's TRI Program does not collect release or other waste management quantities of GHGs. However, the U.S. EPA's Office of Air and Radiation (OAR) recently implemented regulations which requires reporting of GHG data and other relevant information from large sources and suppliers in the United States. These data and information will be made available to the public.								
	Methane (CH4)							
74-82-8	Methane / Aus: The Australian National Greenhouse Gas Accounts are published annually by the Australian Government. The national inventory forms the foundation for Australia's efforts to address climate change. By identifying and reporting emissions sources and sinks, and changes in these over time, the inventory provides information fundamental to the development of domestic mitigation policies and programmes, while also tracking Australia's progress towards meeting international commitments. / Cdn: Greenhouse gas emissions are reported to Canada's Greenhouse Gas Emissions Reporting Program (GHGRP), a complementary program to the NPRI, Canada's PRTR. /								

Long Chemical List

Pollutant		Thresholds, Canada: NPRI					
CAS Number	Pollutant Name	Chemical Category	Manufacture, Process, or Otherwise Use (kg/year)	Release, Disposal, or Transfer for Recycling (kg/year)	Activity	Air Release (kg/year)	Concentration	Caveats/ Notes
	Jpn: Japan has the program to mandate entities that emit considerably large amount of greenhouse gases (GHGs) to account and report their emissions to the government annually. The government publicizes the reported data based on the Act on Promotion of Global Warming Countermeasures since 2006. In addition, the government develops national greenhouse gas inventory and reports it every year to the UNFCCC secretariat under the UNFCCC and the Kyoto Protocol. / USA: The U.S. EPA's TRI Program does not collect release or other waste management quantities of GHGs. However, the U.S. EPA's Office of Air and Radiation (OAR) recently implemented regulations which requires reporting of GHG data and other relevant information from large sources and suppliers in the United States. These data and information will be made available to the public.							
	Nitrous oxide (N2O)							
10024-97-2	Nitrous oxide / Aus: The Australian National Greenhouse Gas Accounts are published annually by the Australian Government. The national inventory forms the foundation for Australia's efforts to address climate change. By identifying and reporting emissions sources and sinks, and changes in these over time, the inventory provides information fundamental to the development of domestic mitigation policies and programmes, while also tracking Australia's progress towards meeting international commitments. / Cdn: Greenhouse gas emissions are reported to Canada's Greenhouse Gas Emissions Reporting Program (GHGRP), a complementary program to the NPRI, Canada's PRTR. /							
	Jpn: Japan has the program to mandate entities that emit considerably large amount of greenhouse gases (GHGs) to account and report their emissions to the government annually. The government publicizes the reported data based on the Act on Promotion of Global Warming Countermeasures since 2006. In addition, the government develops national greenhouse gas inventory and reports it every year to the UNFCCC secretariat under the UNFCCC and the Kyoto Protocol. / USA: The U.S. EPA's TRI Program does not collect release or other waste management quantities of GHGs. However, the U.S. EPA's Office of Air and Radiation (OAR) recently implemented regulations which requires reporting of GHG data and other relevant information from large sources and suppliers in the United States. These data and information will be made available to the public.							
	Hydrofluorocarbons (HFCs)							
LCL-66	Hydrofluorocarbons (HFCs) (E-PRTR: Total mass of hydrogen fluorocarbons: sum of HFC23, HFC32, HFC41, HFC4310mee, HFC125, HFC134, HFC134a, HFC152a, HFC143, HFC143a, HFC227ea, HFC236fa, HFC245ca, HFC365mfc) / Aus: The Australian National Greenhouse Gas Accounts are published annually by the Australian Government. The national inventory forms the foundation for Australia's efforts to address climate change. By identifying and reporting emissions sources and sinks, and changes in these over time, the inventory provides information fundamental to the development of domestic mitigation policies and programmes, while also tracking Australia's progress towards meeting international commitments. / Cdn: Greenhouse gas emissions are reported to Canada's Greenhouse Gas Emissions Reporting Program (GHGRP), a complementary program to the NPRI, Canada's PRTR. /							
	Jpn: Japan has the program to mandate entities that emit considerably large amount of greenhouse gases (GHGs) to account and report their emissions to the government annually. The government publicizes the reported data based on the Act on Promotion of Global Warming Countermeasures since 2006. In addition, the government develops national greenhouse gas inventory and reports it every year to the UNFCCC secretariat under the UNFCCC and the Kyoto Protocol. / USA: The U.S. EPA's TRI Program does not collect release or other waste management quantities of GHGs. However, the U.S. EPA's Office of Air and Radiation (OAR) recently implemented regulations which requires reporting of GHG data and other relevant information from large sources and suppliers in the United States. These data and information will be made available to the public.							
	Perfluorocarbons (PFCs)							
LCL-67	Perfluorocarbons (PFCs) (E-PRTR: Total mass of perfluorocarbons: sum of CF4, C2F6, C3F8, C4F10, c-C4F8, C5F12, C6F14) / Aus: The Australian National Greenhouse Gas Accounts are published annually by the Australian Government. The national inventory forms the foundation for Australia's efforts to address climate change. By identifying and reporting emissions sources and sinks, and changes in these over time, the inventory provides information fundamental to the development of domestic mitigation policies and programmes, while also tracking Australia's progress towards meeting international commitments. / Cdn: Greenhouse gas emissions are reported to Canada's Greenhouse Gas Emissions Reporting Program (GHGRP), a complementary program to the NPRI, Canada's PRTR. /							

Long Chemical List

Pollutant		Thresholds, Canada: NPRI						
CAS Number	Pollutant Name	Chemical Category	Manufacture, Process, or Otherwise Use (kg/year)	Release, Disposal, or Transfer for Recycling (kg/year)	Activity	Air Release (kg/year)	Concentration	Caveats/ Notes
	Jpn: Japan has the program to mandate entities that emit considerably large amount of greenhouse gases (GHGs) to account and report their emissions to the government annually. The government publicizes the reported data based on the Act on Promotion of Global Warming Countermeasures since 2006. In addition, the government develops national greenhouse gas inventory and reports it every year to the UNFCCC secretariat under the UNFCCC and the Kyoto Protocol. / USA: The U.S. EPA's TRI Program does not collect release or other waste management quantities of GHGs. However, the U.S. EPA's Office of Air and Radiation (OAR) recently implemented regulations which requires reporting of GHG data and other relevant information from large sources and suppliers in the United States. These data and information will be made available to the public.							
	Sulphur hexafluoride (SF6)							
2551-62-4	Sulphur hexafluoride (SF6) / Aus: The Australian National Greenhouse Gas Accounts are published annually by the Australian Government. The national inventory forms the foundation for Australia's efforts to address climate change. By identifying and reporting emissions sources and sinks, and changes in these over time, the inventory provides information fundamental to the development of domestic mitigation policies and programmes, while also tracking Australia's progress towards meeting international commitments. / Cdn: Greenhouse gas emissions are reported to Canada's Greenhouse Gas Emissions Reporting Program (GHGRP), a complementary program to the NPRI, Canada's PRTR. /							
	Jpn: Japan has the program to mandate entities that emit considerably large amount of greenhouse gases (GHGs) to account and report their emissions to the government annually. The government publicizes the reported data based on the Act on Promotion of Global Warming Countermeasures since 2006. In addition, the government develops national greenhouse gas inventory and reports it every year to the UNFCCC secretariat under the UNFCCC and the Kyoto Protocol. / USA: The U.S. EPA's TRI Program does not collect release or other waste management quantities of GHGs. However, the U.S. EPA's Office of Air and Radiation (OAR) recently implemented regulations which requires reporting of GHG data and other relevant information from large sources and suppliers in the United States. These data and information will be made available to the public.							
Other gases								
	Ammonia							
7664-41-7	Ammonia (NH3) (E-PRTR) / Ammonia ((includes anhydrous ammonia and aqueous ammonia from water dissociable ammonium salts and other sources; 10 percent of total aqueous ammonia is reportable under this listing) (USA)							
LCL-68	Ammonia (Total)	1A	10,000				1.0%	
	Chlorine and inorganic compounds (as HCl)							
7782-50-5	Chlorine	1A	10,000				1.0%	
LCL-69	Chlorine & compounds / Chlorine and inorganic compounds (as HCl)							
7647-01-0	Hydrochloric acid / USA: Hydrochloric acid (acid aerosols including mists, vapors, gas, fog, and other airborne forms of any particle size)	1A	10,000				1.0%	
	Ethylene oxide							
75-21-8	Ethylene oxide	1A	10,000				1.0%	
	Bromine							
7726-95-6	Bromine	1A	10,000				1.0%	
	Chlorine dioxide							
10049-04-4	Chlorine dioxide	1A	10,000				1.0%	
	Carbon monoxide							
630-08-0	Carbon monoxide	4				20,000		
	Fluorine and inorganic compounds (as HF)							
7782-41-4	Fluorine	1A	10,000				1.0%	
LCL-70	Fluorine and inorganic compounds (as HF)							
	Hydrogen sulfide							
7783-06-4	Hydrogen sulfide (USA: on TRI list, but reporting requirements currently suspended)	1A	10,000				1.0%	
	Nitrogen oxides							
11104-93-1	Oxides of nitrogen (expressed as NO2) / Nitrogen oxides (NOx/NO2)	4				20,000		
	Sulphur oxides (SOx/SO2)							
2025-88-4	Sulphur oxides (SOx/SO2) / Sulfur dioxide	4				20,000		
	water-soluble salts of bromic acid							
LCL-71	water-soluble salts of bromic acid	1A	10,000				1.0%	
	Hydrocarbons (gases)							
74-85-1	Ethylene	1A	10,000				1.0%	
74-86-2	Acetylene	5				1000[A]		
74-98-6	Propane	5				1000[A]		
115-07-1	Propylene	1A	10,000				1.0%	
LCL-72	Butane (all isomers)	5				1000[A]		
25167-67-3	Butene (all isomers)	5				1000[A]		
	Mustard							
505-60-2	Mustard Gas							
51-75-2	Nitrogen mustard / [2-Chloro-N-(2-chloroethyl)-Nmethylethanamine]							
	Diazomethane							
334-88-3	Diazomethane							
	Ozone							

Pollutant		Thresholds, Canada: NPRI						
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10028-15-6	Ozone							
	Sulfuryl fluoride							
2699-79-8	Sulfuryl fluoride							
	Phosphine							
7803-51-2	Phosphine							
Polycyclic aromatic hydrocarbons (PAHs)								
	Polycyclic aromatic hydrocarbons (PAHs)							
LCL-73	Polycyclic aromatic hydrocarbons (B[a]Peq)							
LCL-74	Polycyclic aromatic hydrocarbons (PAHs) as benzo(a)pyrene (50-32-8), benzo(b)-fluoranthene (205-99-2), benzo(k)fluoranthene (207-08-9), indeno(1,2,3-cd)pyrene (193-39-5)							
LCL-75	Polycyclic aromatic compounds (PACs) / Cdn: Canada currently requires reporting on 32 PAHs: 29 as "Part 2" substances (with mandatory reporting triggered at 50 kilograms overall, with individual PAHs reportable at a 5 kilogram threshold); two commercial chemicals, anthracene and naphthalene, listed as "Part 1A" substances at a higher threshold; and creosote listed as a speciated VOC, under "Part 5" of the NPRI substance list.							
56-55-3	Benzo(a)anthracene (USA: included in the Polycyclic aromatic compounds (PACs) category)	2		50				
205-99-2	Benzo(b)fluoranthene (USA: included in the Polycyclic aromatic compounds (PACs) category)	2		50				
205-82-3	Benzo(j)fluoranthene (USA: included in the Polycyclic aromatic compounds (PACs) category)	2		50				
207-08-9	Benzo(k)fluoranthene (USA: included in the Polycyclic aromatic compounds (PACs) category)	2		50				
206-44-0	Fluoranthene (Cdn) / Benzo(j,k)fluorene (USA) (USA: included in the Polycyclic aromatic compounds (PACs) category)	2		50				
189-55-9	Dibenzo(a,i)pyrene (USA: included in the Polycyclic aromatic compounds (PACs) category)	2		50				
218-01-9	Benzo(a)phenanthrene (USA: included in the Polycyclic aromatic compounds (PACs) category)	2		50				
50-32-8	Benzo(a)pyrene (USA: included in the Polycyclic aromatic compounds (PACs) category)	2		50				
226-36-8	Dibenzo(a,h)acridine (USA: included in the Polycyclic aromatic compounds (PACs) category)	2		50				
224-42-0	Dibenz(a,j)acridine (USA: included in the Polycyclic aromatic compounds (PACs) category)	2		50				
53-70-3	Dibenzo(a,h)anthracene (USA: included in the Polycyclic aromatic compounds (PACs) category)	2		50				
194-59-2	7H-Dibenzo(c,g)carbazole (USA: included in the Polycyclic aromatic compounds (PACs) category)	2		50				
5385-75-1	Dibenzo(a,e)fluoranthene (USA: included in the Polycyclic aromatic compounds (PACs) category)	2		50				
192-65-4	Dibenzo(a,e)pyrene (USA: included in the Polycyclic aromatic compounds (PACs) category)	2		50				
189-64-0	Dibenzo(a,h)pyrene (USA: included in the Polycyclic aromatic compounds (PACs) category)	2		50				
191-30-0	Dibenzo(a,l)pyrene (USA: included in the Polycyclic aromatic compounds (PACs) category)	2		50				
57-97-6	7,12-Dimethylbenz(a)-anthracene (USA: included in the Polycyclic aromatic compounds (PACs) category)	2		50				
193-39-5	Indeno(1,2,3-c,d)pyrene (USA: included in the Polycyclic aromatic compounds (PACs) category)	2		50				
56-49-5	3-Methylcholanthrene (USA: included in the Polycyclic aromatic compounds (PACs) category)	2		50				
3697-24-3	5-Methylchrysene (USA: included in the Polycyclic aromatic compounds (PACs) category)	2		50				
5522-43-0	1-Nitropyrene (USA: included in the Polycyclic aromatic compounds (PACs) category)	2		50				
42397-64-8	1,6-Dinitropyrene (added to TRI for RY2011, included in the Polycyclic aromatic compounds (PACs) category)							
42397-65-9	1,8-Dinitropyrene (added to TRI for RY2011, included in the Polycyclic aromatic compounds (PACs) category)							
7496-02-8	6-Nitrochrysene (added to TRI for RY2011, included in the Polycyclic aromatic compounds (PACs) category)							
57835-92-4	4-Nitropyrene (added to TRI for RY2011, included in the Polycyclic aromatic compounds (PACs) category)							
8001-58-9	Creosote	5				1000[A]		Facilities usir
120-12-7	Anthracene (Jpn: PAHs in the PRTR system are limited to chemicals intentionally used and therefore listed individually)	1A	10,000				1.0%	
191-24-2	Benzo(g,h,i)perylene	2		50				
91-20-3	Naphthalene (Jpn: PAHs in the PRTR system are limited to chemicals intentionally used and therefore listed individually)	1A	10,000				1.0%	
LCL-76	methylnaphthalene (Jpn: PAHs in the PRTR system are limited to chemicals intentionally used and therefore listed individually)							
83-32-9	acenaphthene (Jpn: PAHs in the PRTR system are limited to chemicals intentionally used and therefore listed individually)	2		50				
85-01-8	Phenanthrene	2		50				
192-97-2	Benzo(e)pyrene	2		50				
198-55-0	Perylene	2		50				
129-00-0	Pyrene	2		50				
208-96-8	Acenaphthylene - PAH	2		50				
86-73-7	Fluorene - PAH	2		50				
Other organic substances								
	Acetonitrile							
75-05-8	Acetonitrile	1A	10,000				1.0%	
	Acrolein							
107-02-8	Acrolein	1A	10,000				1.0%	
	Acrylamid							

Long Chemical List

Pollutant		Thresholds, Canada: NPRI						
CAS Number	Pollutant Name	Chemical Category	Manufacture, Process, or Otherwise Use (kg/year)	Release, Disposal, or Transfer for Recycling (kg/year)	Activity	Air Release (kg/year)	Concentration	Caveats/ Notes
79-06-1	Acrylamid	1A	10,000				1.0%	
	Acrylic and methacrylic acid							
79-10-7	Acrylic acid / acrylic acid and its water-soluble salts (Jpn)	1A	10,000				1.0%	
79-41-4	methacrylic acid							
	Acrylic and methacrylic acid esters							
818-61-1	2-hydroxyethyl acrylate							
13048-33-4	hexamethylene diacrylate							
80-62-6	Methyl methacrylate	1A	10,000				1.0%	
96-33-3	Methyl acrylate	1A	10,000				1.0%	
140-88-5	Ethyl acrylate	1A	10,000				1.0%	
97-88-1	n-butyl methacrylate							
105-16-8	2-(diethylamino)ethyl methacrylate							
106-91-2	2,3-epoxypropyl methacrylate							
688-84-6	2-ethylhexyl methacrylate							
2867-47-2	2-(dimethylamino)ethyl methacrylate							
141-32-2	Butyl acrylate	1A	10,000				1.0%	
2439-35-2	2-(dimethylamino)ethyl acrylate							
	Acrylonitrile and methacrylonitrile							
107-13-1	Acrylonitrile	1A	10,000				1.0%	
126-98-7	Methacrylonitrile							
	Aldehydes							
75-07-0	Acetaldehyde	1A	10,000				1.0%	
78-84-2	Isobutyraldehyde	1A	10,000				1.0%	
90-02-8	Salicylaldehyde							
100-52-7	Benzaldehyde							
111-30-8	Glutaraldehyde							
123-38-6	Propionaldehyde	1A	10,000				1.0%	
123-63-7	Paraldehyde	1A	10,000				1.0%	
123-72-8	Butyraldehyde	1A	10,000				1.0%	
4170-30-3	Crotonaldehyde / 2-butenal	1A	10,000				1.0%	
	Anilines							
62-53-3	Aniline	1A	10,000				1.0%	
LCL-77	toluidine							
95-53-4	o-toluidine							
636-21-5	o-toluidine hydrochloride							
95-68-1	2,4-dimethylaniline							
87-62-7	2,6-dimethylaniline / 2,6-Xylidine							
121-69-7	N,N-Dimethylaniline (and its salts)	1A	10,000				1.0%	
101-77-9	4,4'-methylenedianiline	1A	10,000				1.0%	
120-71-8	p-cresidine (2-methoxy-5-methylaniline)							
134-29-2	O-Anisidine hydrochloride							
123-30-8	p-aminophenol							
591-27-5	m-aminophenol							
25376-45-8	Diaminotoluene (mixed isomers) / toluenediamine (Jpn)							
95-80-7	2,4-Diaminotoluene (and its salts) (Cdn) / 2,4-Diaminotoluene (USA)	1A	10,000				1.0%	
139-65-1	4,4'-Thiodianiline							
90-04-0	o-anisidine							
104-94-9	p-anisidine							
615-05-4	2,4-diaminoanisole							
39156-41-7	2,4-diaminoanisole sulfate							
	Biphenyl							
92-52-4	Biphenyl (1,1-biphenyl)	1A	10,000				1.0%	
	C3-Benzenes							
95-63-6	1,2,4-Trimethylbenzene	1A	10,000				1.0%	
108-67-8	1,3,5-trimethylbenzene							
25551-13-7	Trimethylbenzene (all isomers excluding 1,2,4-Trimethylbenzene)	5				1000[A]		
98-82-8	Cumene (1-methylethylbenzene)	1A	10,000				1.0%	
	Hydrocarbons (liquids)							
110-54-3	n-Hexane	1A	10,000				1.0%	
110-82-7	Cyclohexane	1A	10,000				1.0%	
LCL-78	Pentane (all isomers)	5				1000[A]		
LCL-79	Pentene (all isomers)	5				1000[A]		
LCL-80	Hexane (all isomers excluding n-hexane)	5				1000[A]		
25264-93-1	Hexene (all isomers)	5				1000[A]		
LCL-81	Heptane (all isomers)	5				1000[A]		
LCL-82	Octane (all isomers)	5				1000[A]		
LCL-83	Nonane (all isomers)	5				1000[A]		
LCL-84	Decane (all isomers)	5				1000[A]		
LCL-85	Dodecane (all isomers)	5				1000[A]		
8052-41-3	Stoddard solvent	5				1000[A]		
64475-85-0	Mineral spirits	5				1000[A]		
64741-65-7	Heavy alkylate naphtha	5				1000[A]		
64742-47-8	Hydrotreated light distillate	5				1000[A]		
64742-48-9	Hydrotreated heavy naphtha	5				1000[A]		
64742-88-7	Solvent naphtha medium aliphatic	5				1000[A]		
64742-89-8	Solvent naphtha light aliphatic	5				1000[A]		
64742-94-5	Heavy aromatic solvent naphtha	5				1000[A]		
64742-95-6	Light aromatic solvent naphtha	5				1000[A]		
8030-30-6	Naphtha	5				1000[A]		
8032-32-4	VM & P naphtha	5				1000[A]		
8042-47-5	White mineral oil	5				1000[A]		
LCL-86	Cycloheptane (all isomers)	5				1000[A]		
LCL-87	Cyclohexene (all isomers)	5				1000[A]		
LCL-88	Cyclooctane (all isomers)	5				1000[A]		
	BTEX							
71-43-2	Benzene (E-PRTR: Single pollutants are to be reported if the threshold for BTEX (the sum parameter of benzene, toluene, ethyl benzene, xylenes) is exceeded)	1A	10,000				1.0%	

Pollutant		Thresholds, Canada: NPRI						
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100-41-4	Ethylbenzene (E-PRTR: Single pollutants are to be reported if the threshold for BTEX (the sum parameter of benzene, toluene, ethyl benzene, xylenes) is exceeded)	1A	10,000				1.0%	
108-88-3	Toluene (E-PRTR: Single pollutants are to be reported if the threshold for BTEX (the sum parameter of benzene, toluene, ethyl benzene, xylenes) is exceeded)	1A	10,000				1.0%	
1330-20-7	Xylenes / Xylene (mixed isomers) (E-PRTR: Single pollutants are to be reported if the threshold for BTEX (the sum parameter of benzene, toluene, ethyl benzene, xylenes) is exceeded)	1A	10,000				1.0%	
95-47-6	o-xylene							
106-42-3	p-xylene							
108-38-3	m-xylene							
	1,3-Butadiene							
106-99-0	1,3-Butadiene	1A	10,000				1.0%	
	Carbon disulfide							
75-15-0	Carbon disulfide / Carbon disulphide	1A	10,000				1.0%	
	Diisocyanates							
101-68-8	Methylenebis(phenylisocyanate) (MDI) (USA: specified as Diisocyanates)	1A	10,000				1.0%	
5124-30-1	1,1-Methylenebis(4-isocyanatocyclohexane) (USA: specified as Diisocyanates) / methylenebis(4,1-cyclohexylene)diisocyanate (Jpn)	1A	10,000				1.0%	
4098-71-9	Isophorone diisocyanate (USA: specified as Diisocyanates) / 3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate (Jpn)	1A	10,000				1.0%	
9016-87-9	Polymeric diphenylmethane diisocyanate (USA: specified as Diisocyanates)	1A	10,000				1.0%	
16938-22-0	2,2,4-Trimethylhexamethylene diisocyanate (USA: specified as Diisocyanates)	1A	10,000				1.0%	
15646-96-5	2,4,4-Trimethylhexamethylene diisocyanate (USA: specified as Diisocyanates)	1A	10,000				1.0%	
822-06-0	Hexamethylene-1,6- diisocyanate (USA: specified as Diisocyanates)							
38661-72-2	1,3-Bis(methylisocyanate) - cyclohexane (USA: specified as Diisocyanates)							
10347-54-3	1,4-Bis(methylisocyanate)-cyclohexane (USA: specified as Diisocyanates)							
2556-36-7	1,4-Cyclohexane diisocyanate (USA: specified as Diisocyanates)							
134190-37-7	Diethyldiisocyanatobenzene (USA: specified as Diisocyanates)							
4128-73-8	4,4'-Diisocyanatodiphenylether (USA: specified as Diisocyanates)							
75790-87-3	2,4'-Diisocyanatodiphenylsulfide (USA: specified as Diisocyanates)							
91-93-0	3,3'-Dimethoxybenzidine-4,4'-diisocyanate (USA: specified as Diisocyanates)							
91-97-4	3,3'-Dimethyl-4,4'-diphenylene diisocyanate (USA: specified as Diisocyanates)							
139-25-3	3,3'-Dimethyldiphenylmethane-4,4'-diisocyanate (USA: specified as Diisocyanates)							
75790-84-0	4-Methyldiphenylmethane-3,4-diisocyanate (USA: specified as Diisocyanates)							
3173-72-6	1,5-Naphthalene diisocyanate (USA: specified as Diisocyanates) / 1,5-naphthalenediyl diisocyanate (Jpn)							
123-61-5	1,3-Phenylene diisocyanate (USA: specified as Diisocyanates)							
104-49-4	1,4-Phenylene diisocyanate (USA: specified as Diisocyanates)							
LCL-89	Diisocyanates (USA: 20 specified Diisocyanates, see compounds above)							
	Toluenediisocyanates							
584-84-9	Toluene-2,4-diisocyanate	1A	10,000				1.0%	
91-08-7	Toluene-2,6-diisocyanate	1A	10,000				1.0%	
26471-62-5	Toluenediisocyanate (mixed isomers) / tolylene diisocyanate	1A	10,000				1.0%	
	2-Ethoxyethanol							
110-80-5	2-Ethoxyethanol / ethylene glycol monoethyl ether	1A	10,000				1.0%	
	Methoxyethanol							
109-86-4	Methoxyethanol / ethylene glycol monomethyl ether	1A	10,000				1.0%	
	Formaldehyde							
50-00-0	Formaldehyde	1A	10,000				1.0%	
	Glycol ethers							
LCL-90	certain glycol ethers							
112-34-5	Diethylene glycol butyl ether (USA: incl. in certain glycol ethers)	5				1000[A]		
112-25-4	Ethylene glycol hexyl ether (USA: incl. in certain glycol ethers)	5				1000[A]		
5131-66-8	Propylene glycol butyl ether (USA: incl. in certain glycol ethers)	5				1000[A]		
110-49-6	2-Methoxyethanol acetate / 2-methoxyethyl acetate (USA: incl. in certain glycol ethers)	1A	10,000				1.0%	
111-76-2	2-Butoxyethanol (USA: incl. in certain glycol ethers)	1A	10,000				1.0%	
111-15-9	2-Ethoxyethanol acetate / 2-ethoxyethyl acetate (USA: incl. in certain glycol ethers)	1A	10,000				1.0%	
108-65-6	Propylene glycol methyl ether acetate (USA: incl. in certain glycol ethers)	5				1000[A]		
112-07-2	Ethylene glycol butyl ether acetate (USA: incl. in certain glycol ethers)	1A	10,000				1.0%	
112-15-2	Diethylene glycol ethyl ether acetate (USA: incl. in certain glycol ethers)	5				1000[A]		
	4,4'-methylenebis[2-chloroaniline]							
101-14-4	4,4'-Methylene-bis(2-chloroaniline) (MOCA) / 3,3'-dichloro-4,4'-diaminodiphenylmethane (Jpn)	1A	10,000				1.0%	
	Organotin compounds (as total Sn)							
LCL-91	Organotin compounds (as total Sn) / organic tin compounds (Jpn)							
LCL-92	Tributyltin and compounds							
56-35-9	Bis(tributyltin) oxide							
1983-10-4	Tributyltin fluoride							
2155-70-6	Tributyltin methacrylate							
LCL-93	Triphenyltin and compounds							
639-58-7	Triphenyltin chloride							
13356-08-6	hexakis(2-methyl-2-phenylpropyl)distannoxane / fenbutatin oxide							

Long Chemical List

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76-87-9	Triphenyltin hydroxide							
	Phenols							
LCL-94	Phenols (as total C) (E-PRTR: total mass of phenol and simple substituted phenols)							
108-95-2	Phenol	1A	10,000				1.0%	
1319-77-3	Cresol / USA: Cresol (mixed isomers)	1A	10,000				1.0%	
95-48-7	o-cresol							
106-44-5	p-cresol							
108-39-4	m-cresol							
1300-71-6	Dimethyl phenol	1A	10,000				1.0%	
576-26-1	2,6-xylenol (2,6-Dimethylphenol)							
105-67-9	2,4-Dimethylphenol / 2,4-xylenol							
128-37-0	2,6-Di-t-butyl-4-methylphenol / 2,6-di-tert-butyl-4-cresol	1A	10,000				1.0%	
96-76-4	2,4-di-tert-butylphenol							
89-72-5	o-sec-butylphenol							
98-54-4	4-tert-butylphenol							
88-60-8	2-tert-butyl-5-methylphenol							
90-43-7	o-Phenylphenol (and its salts) (Cdn) / 2-Phenylphenol (USA)	1A	10,000				1.0%	
108-98-5	Thiophenol							
	Phthalates							
117-81-7	Di-(2-ethyl hexyl) phthalate (DEHP) / bis(2-ethylhexyl)phthalate (Jpn)	1A	10,000				1.0%	
84-74-2	Dibutyl phthalate	1A	10,000				1.0%	
85-68-7	Butyl benzyl phthalate	1A	10,000				1.0%	
117-84-0	Di-n-octyl phthalate	1A	10,000				1.0%	
84-66-2	Diethyl phthalate	1A	10,000				1.0%	
120-61-6	Dimethyl terephthalate							
131-11-3	Dimethyl phthalate	1A	10,000				1.0%	
131-17-9	diallyl phthalate							
	Styrenes							
100-42-5	Styrene	1A	10,000				1.0%	
96-09-3	Styrene oxide, phenyloxirane	1A	10,000				1.0%	
98-83-9	α-methylstyrene							
29082-74-4	Octachlorostyrene							
	Aromatic nitro compounds							
51-28-5	2,4-dinitrophenol							
88-75-5	2-(1-methylpropyl)-4,6-dinitrophenol (2-nitrophenol)							
100-02-7	p-nitrophenol (and its salts) (Cdn) / p-nitrophenol (Jpn) / 4-Nitrophenol (USA)	1A	10,000				1.0%	
534-52-1	4,6-dinitro-o-cresol	1A	10,000				1.0%	
88-72-2	o-nitrotoluene							
121-14-2	2,4-Dinitrotoluene	1A	10,000				1.0%	
606-20-2	2,6-Dinitrotoluene	1A	10,000				1.0%	
25321-14-6	Dinitrotoluene (mixed isomers)	1A	10,000				1.0%	
88-74-4	o-nitroaniline							
100-01-6	p-Nitroaniline	1A	10,000				1.0%	
99-54-7	1,2-dichloro-4-nitrobenzene							
89-61-2	1,4-dichloro-2-nitrobenzene							
97-00-7	1-chloro-2,4-dinitrobenzene							
121-87-9	2-chloro-4-nitroaniline							
88-73-3	2-chloronitrobenzene							
98-95-3	Nitrobenzene	1A	10,000				1.0%	
99-65-0	m-Dinitrobenzene							
100-25-4	p-Dinitrobenzene							
528-29-0	o-Dinitrobenzene							
99-55-8	5-nitro-o-toluidine							
100-00-5	p-nitrochlorobenzene							
88-85-7	Dinitrobutyl phenol (Dinoseb)							
88-89-1	Picric acid (2,4,6-trinitrophenol)							
99-59-2	5-nitro-o-anisidine							
91-23-6	o-Nitroanisole (added to TRI for RY2011)							
	Bisphenol A							
80-05-7	4,4'-isopropylidenediphenol / bisphenol A	1A	10,000				1.0%	
	1,2-Butylene oxide							
106-88-7	1,2-Butylene oxide / 1,2-epoxybutane	1A	10,000				1.0%	
	Calcium cyanamide							
156-62-7	Calcium cyanamide	1A	10,000				1.0%	
	Catechol							
120-80-9	Catechol / pyrocatechol	1A	10,000				1.0%	
	Cumene hydroperoxide							
80-15-9	Cumene hydroperoxide / 1-methyl-1-phenylethyl hydroperoxide	1A	10,000				1.0%	
	Cyclic ethers							
123-91-1	1,4-Dioxane	1A	10,000				1.0%	
109-99-9	Tetrahydrofuran	5				1000[A]		
	Dicyclopentadiene							
77-73-6	Dicyclopentadiene	1A	10,000				1.0%	
	Diphenylamine							
122-39-4	Diphenylamine	1A	10,000				1.0%	
	Epichlorohydrin							
106-89-8	Epichlorohydrin	1A	10,000				1.0%	
	Epoxy compounds							
75-56-9	Propylene oxide (1,2-epoxypropane)	1A	10,000				1.0%	
106-92-3	1-allyloxy-2,3-epoxypropane							
122-60-1	2,3-epoxypropyl phenyl ether							
556-52-5	2,3-epoxy-1-propanol (Japan) / Glycidol (USA: added to TRI for RY2011)							
1464-53-5	Diepoxybutane							
2451-62-9	1,3,5-tris(2,3-epoxypropyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione							
	Ethylene glycol							

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107-21-1	Ethylene glycol	1A	10,000				1.0%	
	Ethylene thiourea							
96-45-7	Ethylene thiourea (2-imidazolidinethione)	1A	10,000				1.0%	
	Hydrazines							
302-01-2	Hydrazine (Jpn, USA) / Hydrazine (and its salts) (Cdn)	1A	10,000				1.0%	
10034-93-2	Hydrazine sulfate							
57-14-7	1,1-Dimethyl hydrazine							
60-34-4	Methyl hydrazine							
100-63-0	phenylhydrazine							
122-66-7	1,2-Diphenylhydrazine							
	Ketone solvents							
67-64-1	Acetone							
108-10-1	Methyl isobutyl ketone	1A	10,000				1.0%	
78-93-3	Methyl ethyl ketone	1A	10,000				1.0%	
106-35-4	Ethyl butyl ketone							
	Maleic anhydride							
108-31-6	Maleic anhydride	1A	10,000				1.0%	
	N,N-Dimethylformamide							
68-12-2	N,N-Dimethylformamide	1A	10,000				1.0%	
	Nitroglycerin							
55-63-0	Nitroglycerin	1A	10,000				1.0%	
	Nitrilotriacetic acid							
139-13-9	Nitrilotriacetic acid (Jpn, USA) / Nitrilotriacetic acid (and its salts) (Cdn)	1A	10,000				1.0%	
	Nonylphenol							
LCL-95	Nonylphenol and Nonylphenol ethoxylates (NP/NPEs) / Nonylphenol and its ethoxylates	1A	10,000				1.0%	
25154-52-3	Nonylphenol							
	Octylphenol							
1806-26-4	Octylphenols and Octylphenols ethoxylates / Octylphenol and its ethoxylates	1A	10,000				1.0%	
LCL-96	p-octylphenol							
9036-19-5	poly(oxyethylene) octylphenyl ether							
	Phenylenediamines							
LCL-97	phenylenediamine							
95-54-5	o-phenylenediamine (1,2-Phenylenediamine)							
106-50-3	p-Phenylenediamine (Jpn, USA) / p-Phenylenediamine (and its salts) (Cdn)	1A	10,000				1.0%	
108-45-2	m-phenylenediamine (1,3-Phenylenediamine)							
615-28-1	1,2-phenylenediamine dihydrochloride							
624-18-0	1,4-phenylenediamine dihydrochloride							
	Phthalic anhydride							
85-44-9	Phthalic anhydride	1A	10,000				1.0%	
	Pyridines							
110-86-1	Pyridine (Jpn, USA) / Pyridine (and its salts) (Cdn)	1A	10,000				1.0%	
100-69-6	2-vinylpyridine							
108-99-6	3-methylpyridine							
109-06-8	2-Methylpyridine	1A	10,000				1.0%	
	Quinoline							
91-22-5	Quinoline (and its salts) (Cdn) / Quinoline (USA)	1A	10,000				1.0%	
	Quinones							
106-51-4	Quinone, p-Quinone	1A	10,000				1.0%	
123-31-9	Hydroquinone	1A	10,000				1.0%	
82-28-0	1-AMINO-2-METHYLANTHRAQUINONE							
82-45-1	1-amino-9,10-anthraquinone							
118-75-2	2,3,5,6-tetrachloro-p-benzoquinone							
117-79-3	2-AMINOANTHRAQUINONE							
81-49-2	1-Amino-2,4-dibromoanthraquinone (added to TRI for RY2011)							
LCL-98	Anthraquinone (all isomers)	5				1000[A]		
	Saturated alcohols							
67-56-1	Methanol	1A	10,000				1.0%	
64-17-5	Ethanol	5				1000[A]		
67-63-0	Isopropyl alcohol (USA: (only persons who manufacture by the strong acid process are subject, no supplier notification)	1A	10,000				1.0%	
71-36-3	n-Butyl alcohol	1A	10,000				1.0%	
78-83-1	i-Butyl alcohol	1A	10,000				1.0%	
78-92-2	sec-Butyl alcohol	1A	10,000				1.0%	
75-65-0	tert-Butyl alcohol	1A	10,000				1.0%	
3452-97-9	3,5,5-trimethyl-1-hexanol							
143-08-8	1-nonanol / n-nonyl alcohol							
112-30-1	decyl alcohol / decanol							
112-53-8	1-dodecanol / n-dodecyl alcohol							
111-87-5	1-Octanol							
	Thiourea							
62-56-6	Thiourea	1A	10,000				1.0%	
	Unsaturated aliphatic alcohols							
107-18-6	Allyl alcohol	1A	10,000				1.0%	
107-19-7	Propargyl alcohol	1A	10,000				1.0%	
	Vinyl acetate							
108-05-4	Vinyl acetate	1A	10,000				1.0%	
	Volatile organic compounds (VOCs)							
LCL-99	Volatile organic compounds (VOCs) (Canada: Sum of VOCs meeting the definition of Schedule 1 [65] of the Canadian Environmental Protection Act, 1999--see: http://www.ec.gc.ca/lcpe-cepa/default.asp?lang=En&n=0DA2924D-1&wsdoc=4ABEFFC8-5BEC-B57A-F4BF-11069545E434).	4				10,000		
LCL-100	Non-methane volatile organic compounds (NMVOC)							
LCL-101	Total volatile organic compounds							

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Pollutant		Thresholds, Canada: NPRI						
CAS Number	Pollutant Name	Chemical Category	Manufacture, Process, or Otherwise Use (kg/year)	Release, Disposal, or Transfer for Recycling (kg/year)	Activity	Air Release (kg/year)	Concentration	Caveats/ Notes
	1,3-dioxolane							
646-06-0	1,3-dioxolane							
	divinylbenzene							
1321-74-0	divinylbenzene							
	diphenyl ether							
101-84-8	diphenyl ether							
	Ethylenebisdithiocarbamic acid, salts and esters							
LCL-102	ethylenebisdithiocarbamic acid, salts and esters							
	1,3-diphenylguanidine							
102-06-7	1,3-diphenylguanidine							
	N,N-dimethylacetamide							
127-19-5	N,N-dimethylacetamide							
	N-(1,3-dimethylbutyl)-N'-phenyl-p-phenylenediamine							
793-24-8	N-(1,3-dimethylbutyl)-N'-phenyl-p-phenylenediamine							
	hydrogenated terphenyl							
61788-32-7	hydrogenated terphenyl							
	sodium salt of 2-sulfohexadecanoic acid 1-methyl ester							
4016-24-4	sodium salt of 2-sulfohexadecanoic acid 1-methyl ester							
	carbonic acids / dicarbonic acids							
334-48-5	decanoic acid							
124-04-9	Adipic acid	5				1000[A]		
149-57-5	2-ethylhexanoic acid							
	sodium dodecyl sulfate							
151-21-3	sodium dodecyl sulfate							
	1,2-bis(2-chlorophenyl)hydrazine							
782-74-1	1,2-bis(2-chlorophenyl)hydrazine							
	Furans							
110-00-9	Furan (USA: added to TRI for RY2011)							
98-00-0	Furfuryl alcohol	5				1000[A]		
	Nitrosodiphenylamine							
86-30-6	N-Nitrosodiphenylamine	1A	10,000				1.0%	
156-10-5	P-Nitrosodiphenylamine							
	Phosgene							
75-44-5	Phosgene	1A	10,000				1.0%	
	Terpens							
68956-56-9	Terpene (all isomers)	5				1000[A]		
123-35-3	Myrcene	5				1000[A]		
5989-27-5	Limonene,D-	5				1000[A]		
80-56-8	Alpha-Pinene	5				1000[A]		
127-91-3	Beta-Pinene	5				1000[A]		
555-10-2	Beta-Phellandrene	5				1000[A]		
	betanaphthol							
135-19-3	betanaphthol							
	benzophenone							
119-61-9	benzophenone							
	sodium poly(oxyethylene) dodecyl ether sulfate							
9004-82-4	sodium poly(oxyethylene) dodecyl ether sulfate							
	n-alkylbenzenesulfonic acid and its salts (alkyl c=10-14)							
LCL-103	n-alkylbenzenesulfonic acid and its salts (alkyl c=10-14)							
	poly(oxyethylene) alkyl ether (alkyl c=12-15)							
LCL-104	poly(oxyethylene) alkyl ether (alkyl c=12-15)							
	Michler's ketone (and its salts)							
90-94-8	Michler's ketone (and its salts) (Cdn) / Michler's ketone (USA)	1A	10,000				1.0%	
	Adipate							
103-23-1	Bis(2-ehtylhexyl) adipate	1A	10,000				1.0%	
	Ethyl acetate							
141-78-6	Ethyl acetate	5				1000[A]		
	Benzidine							
92-87-5	Benzidine							
91-94-1	3,3'-dichlorobenzidine							
119-90-4	3,3'-dimethoxybenzidine							
612-83-9	3,3'-Dichlorobenzidine dihydrochloride	1A	10,000				1.0%	
119-93-7	3,3'-dimethylbenzidine / o-tolidine							
612-82-8	3,3'-Dimethylbenzidine dihydrochloride (o-Tolidine dihydrochloride)							
20325-40-0	3,3'-dimethoxybenzidine dihydrochloride							
111984-09-9	3,3'-dimethoxybenzidine hydrochloride							
41766-75-0	3,3'-dimethoxybenzidine dihydrofluoride							
64969-34-2	3,3'-dichlorobenzidine sulfate							
	Safroles							
94-59-7	Safrole	1A	10,000				1.0%	
94-58-6	Dihydrosafrole							
120-58-1	Isosafrole	1A	10,000				1.0%	
	Isoprene							
78-79-5	Isoprene (USA: added to TRI for RY2011)	1A	10,000				1.0%	
	Methyleugenol							
93-15-2	Methyleugenol (added to TRI for RY2011)							
	Ethylenediaminetetraacetic acid (EDTA)							
60-00-4	Ethylenediaminetetraacetic acid							
	Amines							
74-89-5	methylamine							
107-15-3	ethylenediamine							
121-44-8	Triethylamine	1A	10,000				1.0%	
124-40-3	Dimethylamine	1A	10,000				1.0%	
107-11-9	Allylamine / 3-amino-1-propene							
102-82-9	tributylamine							

Pollutant		Thresholds, Canada: NPRI						
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101-83-7	N,N-dicyclohexylamine							
112-18-5	N,N-dimethyldodecylamine							
108-91-8	cyclohexylamine							
	Nitromethanes							
75-52-5	Nitromethane (added to TRI for RY2011)							
509-14-8	Tetranitromethane (added to TRI for RY2011)							
	Methyl iodide							
74-88-4	Methyl iodide	1A	10,000				1.0%	
	Phenolphthalein							
77-09-8	Phenolphthalein (added to TRI for RY2011)							
	Diethyl sulfate							
64-67-5	Diethyl sulfate	1A	10,000				1.0%	
	Dimethyl sulfate							
77-78-1	Dimethyl sulfate	1A	10,000				1.0%	
	dimethyl disulfide							
624-92-0	dimethyl disulfide							
	Cyclohexanol							
108-93-0	Cyclohexanol	1A	10,000				1.0%	
	Benzoyl peroxide							
94-36-0	Benzoyl peroxide	1A	10,000				1.0%	
	bis(1-methyl-1-phenylethyl) peroxide							
80-43-3	bis(1-methyl-1-phenylethyl) peroxide							
	tert-butyl hydroperoxide							
75-91-2	tert-butyl hydroperoxide							
	2-Mercaptobenzothiazole							
149-30-4	2-Mercaptobenzothiazole	1A	10,000				1.0%	
	2-(morpholinodithio)benzothiazole							
95-32-9	2-(morpholinodithio)benzothiazole							
	Imines							
75-55-8	Propyleneimine							
151-56-4	ethyleneimine							
	CARBONYL SULFIDE							
463-58-1	CARBONYL SULFIDE	1A	10,000				1.0%	
	Terephthalic acid							
100-21-0	Terephthalic acid							
	Ethyl chloroformate							
541-41-3	Ethyl chloroformate	1A	10,000				1.0%	
	N-Methyl-2-pyrrolidone							
872-50-4	N-Methyl-2-pyrrolidone	1A	10,000				1.0%	
	N-vinyl-2-pyrrolidone							
88-12-0	N-vinyl-2-pyrrolidone							
	Short chain fatty acids							
64-18-6	Formic acid	1A	10,000				1.0%	
64-19-7	Acetic acid (ethanoic acid)							
	Acetophenones							
98-86-2	Acetophenone	1A	10,000				1.0%	
532-27-4	2-chloroacetophenone							
	Peracetic acid							
79-21-0	Peracetic acid (Peracetic acid (and its salts))	1A	10,000				1.0%	
	Alkaloids							
357-57-3	Brucine							
LCL-105	strychnine and salts							
	2-Nitropropane							
79-46-9	2-Nitropropane	1A	10,000				1.0%	
	Methyl tert-butyl ether							
1634-04-4	Methyl tert-butyl ether	1A	10,000				1.0%	
	Diethanolamine							
111-42-2	Diethanolamine (and its salts) (Cdn) / Diethanolamine (USA)	1A	10,000				1.0%	
	Dimethyldithiocarbamates							
128-04-1	Sodium Dimethyldithiocarbamate							
128-03-0	Potassium Dimethyldithiocarbamate							
137-41-7	Potassium N-methyldithiocarbamate							
LCL-106	water-soluble salts of dimethyldithiocarbamic acid							
	TOC							
LCL-107	Total organic carbon (TOC) (as total C or COD/3)							
Active substances of plant protection products or biocidal products								
	Alachlor							
15972-60-8	Alachlor (2-chloro-2',6'-diethy-N-(methoxymethyl)acetanilide)							
	Diuron							
330-54-1	Diuron (3-(3,4-dichlorophenyl)-1,1-dimethylurea) / DCMU							
	Triazine compounds							
1912-24-9	Atrazine (2-chloro-4-ethylamino-6-isopropylamino-1,3,5-triazine)							
122-34-9	Simazine (2-chloro-4,6-bis(ethylamino)-1,3,5-triazine)							
108-77-0	2,4,6-trichloro-1,3,5-triazine							
1014-70-6	simetryn / 2,4-bis(ethylamino)-6-methylthio-1,3,5-triazine							
	Trifluralin							
1582-09-8	Trifluralin (α,α,α-trifluoro-2,6-dinitro-N,N-dipropyl-p-toluidine)							
	chloridazon							
1698-60-8	5-amino-4-chloro-2-phenylpyridazin-3(2H)-one							
	metribuzin							
21087-64-9	4-amino-6-tert-butyl-3-methylthio-1,2,4-triazin-5(4H)-one							
	metamitron							
41394-05-2	4-amino-3-methyl-6-phenyl-1,2,4-triazin-5(4H)-one							
	fenamiphos							

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22224-92-6	O-ethyl-O-(3-methyl-4-methylthiophenyl) N-isopropylaminophosphonate							
	bifenazate							
149877-41-8	isopropyl 2-(4-methoxybiphenyl-3-yl)hydrazinoformate							
	flutolanil							
66332-96-5	3'-isopropoxy-2-trifluoromethylbenzanilide							
	iminoctadine							
13516-27-3	1,1'-[iminodi(octamethylene)]diguanidine							
	butamifos							
36335-67-8	O-ethyl O-(6-nitro-m-tolyl)sec-butylphosphoramidothioate							
	EPN							
2104-64-5	O-ethyl O-4-nitrophenyl phenylphosphonothioate							
	alanycarb							
83130-01-2	ethyl (Z)-3-[N-benzyl-N-[[methyl(1-methylthioethylideneaminooxycarbonyl)amino]thio]amino]propionate							
	fosthiazate							
98886-44-3	O-ethyl S-1-methylpropyl (2-oxo-3-thiazolidinyl)phosphonothioate							
	mancozeb							
8018-01-7	complex compounds of manganese N,N'-ethylenebis(dithiocarbamate)and zinc N,N'-ethylenebis(dithiocarbamate)							
	diquat dibromide							
85-00-7	1,1'-ethylene-2,2'-bipyridinium dibromide							
	etofenprox							
80844-07-1	2-(4-ethoxyphenyl)-2-methylpropyl 3-phenoxybenzyl ether							
	mixture of emamectinB1a benzoate and emamectinB1b benzoate							
155569-91-8	emamectin benzoate							
	tolfenpyrad							
129558-76-5	4-chloro-3-ethyl-1-methyl-N-[4-(p-tolyloxy)benzyl]pyrazole-5-carboxamide							
	fluazinam							
79622-59-6	3-chloro-N-(3-chloro-5-trifluoromethyl-2-pyridyl)-α,α,α-trifluoro-2,6-dinitro-p-toluidine							
	pretilachlor							
51218-49-6	2-chloro-2',6'-diethyl-N-(2-propoxyethyl)acetanilide							
	mecoprop							
7085-19-0	(RS)-2-(4-chloro-o-tolyloxy)propionic acid							
	indanofan							
133220-30-1	(RS)-2-[2-(3-chlorophenyl)-2,3-epoxypropyl]-2-ethylindane-1,3-dione							
	fentrazamide							
158237-07-1	4-(2-chlorophenyl)-N-cyclohexyl-N-ethyl-4,5-dihydro-5-oxo-1H-tetrazole-1-carboxamide							
	hexythiazox							
78587-05-0	(4RS,5RS)-5-(4-chlorophenyl)-N-cyclohexyl-4-methyl-2-oxo-1,3-thiazolidine-3-carboxamide							
	tebuconazole							
107534-96-3	(RS)-1-p-chlorophenyl-4,4-dimethyl-3-(1H-1,2,4-triazol-1-ylmethyl)pentan-3-ol							
	fenbuconazole							
114369-43-6	(RS)-4-(4-chlorophenyl)-2-phenyl-2-(1H-1,2,4-triazol-1-ylmethyl)butyronitrile							
	cumyluron							
99485-76-4	1-(2-chlorobenzyl)-3-(1-methyl-1-phenylethyl)urea							
	diclocymet							
139920-32-4	(RS)-2-cyano-N-[(R)-1-(2,4-dichlorophenyl)ethyl]-3,3-dimethylbutyramide							
	tralomethrin							
66841-25-6	(S)-alpha-cyano-3-phenoxybenzyl (1R,3S)-2,2-dimethyl-3-(1,2,2,2-tetrabromoethyl)cyclopropanecarboxylate							
	cymoxanil							
57966-95-7	trans-1-(2-cyano-2-methoxyiminoacetyl)-3-ethylurea							
	cartap							
15263-53-3	1,3-dicarbamoylthio-2-(N,N-dimethylamino)-propane							
	iprodione							
36734-19-7	3-(3,5-dichlorophenyl)-N-isopropyl-2,4-dioxoimidazolidine-1-carboxamide							
	tetraconazole							
112281-77-3	(RS)-2-(2,4-dichlorophenyl)-3-(1H-1,2,4-triazol-1-yl)propyl 1,1,2,2-tetrafluoroethyl ether							
	oxaziclomefone							
153197-14-9	3-[1-(3,5-dichlorophenyl)-1-methylethyl]-3,4-dihydro-6-methyl-5-phenyl-2H-1,3-oxazin-4-one							
	pyrazoxyfen							
71561-11-0	2-[4-(2,4-dichlorobenzoyl)-1,3-dimethyl-5-pyrazolyloxy]acetophenone							
	pyrazolynate							
58011-68-0	4-(2,4-dichlorobenzoyl)-1,3-dimethyl-5-pyrazolyl 4-toluenesulfonate							
	dithianon							
3347-22-6	2,3-dicyano-1,4-dithiaanthraquinone							
	isoprothiolane							
50512-35-1	diisopropyl 1,3-dithiolan-2-ylidenemalonate							
	carbosulfan							

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55285-14-8	2,3-dihydro-2,2-dimethyl-7-benzo[b]furyl N-(dibutylamino)thio-N-methylcarbamate							
	thiocyclam							
31895-21-3	5-dimethylamino-1,2,3-trithiane							
	benfuracarb							
82560-54-1	2,2-dimethyl-2,3-dihydro-1-benzofuran-7-yl N-[N-(2-ethoxycarbonylethyl)-N-isopropylsulfenamoyl]-N-methylcarbamate							
	ioxynil octanoate							
3861-47-0	3,5-diiodo-4-octanoyloxybenzonitrile							
	phthalide							
27355-22-2	4,5,6,7-tetrachloroisobenzofuran-1(3H)-one							
	tefluthrin							
79538-32-2	2,3,5,6-tetrafluoro-4-methylbenzyl(Z)-3-(2-chloro-3,3,3-trifluoro-1-propenyl)-2,2-dimethylcyclopropanecarboxylate							
	cadusafos							
95465-99-9	S,S-bis(1-methylpropyl) O-ethyl phosphorodithioate							
	buprofezin							
69327-76-0	2-tert-butylimino-3-isopropyl-5-phenyltetrahydro-4H-1,3,5-thiadiazin-4-one							
	tebufenozide							
112410-23-8	N-tert-butyl-N'-(4-ethylbenzoyl)-3,5-dimethylbenzohydrazide							
	diafenthiuron							
80060-09-9	1-tert-Butyl-3-(2,6-diisopropyl-4-phenoxyphenyl)thiourea							
	fenpyroximate							
134098-61-6	tert-butyl 4-({[(1,3-dimethyl-5-phenoxy-4-pyrazolyl)methylidene]aminooxy}methyl)benzoate							
	pyridaben							
96489-71-3	2-tert-butyl-5-(4-tert-butylbenzylthio)-4-chloro-3(2H)-pyridazinone							
	butachlor							
23184-66-9	N-butoxymethyl-2-chloro-2',6'-diethylacetanilide							
	ferimzone							
89269-64-7	(Z)-2'-methylacetophenone 4,6-dimethyl-2-pyrimidinylhydrazone							
	indoxacarb							
173584-44-6	methyl (S)-7-chloro-2,3,4a,5-tetrahydro-2-[methoxycarbonyl(4-trifluoromethoxyphenyl)carbamoyl]indeno[1,2-e][1,3,4]oxadiazine-4a-carboxylate							
	azoxystrobin							
131860-33-8	methyl (E)-2-[2-[6-(2-cyanophenoxy)pyrimidin-4-yloxy]phenyl]-3-methoxyacrylate							
	carbam							
144-54-7	N-methyldithiocarbamic acid							
	oxamyl							
23135-22-0	methyl-N',N'-dimethyl-N-[(methylcarbamoyl)oxy]-1-thiooxamimidate							
	pyriminobac-methyl							
136191-64-5	methyl 2-(4,6-dimethoxy-2-pyrimizinyloxy)-6-[1-(methoxyimino)ethyl]benzoate							
	mepronil							
55814-41-0	2-methyl-N-[3-(1-methylethoxy)phenyl]benzamide							
	methomyl							
16752-77-5	S-methyl-N-(methylcarbamoyloxy)thioacetimidate							
	trifloxystrobin							
141517-21-7	methyl (E)-methoxyimino-[2-[[[[(E)-1-[3-(trifluoromethyl)phenyl]ethylidene]amino]oxy]methyl]phenyl]acetate							
	kresoxim-methyl							
143390-89-0	methyl (E)-methoxyimino[2-(o-tolyloxymethyl)phenyl]acetate							
	phenmedipham							
13684-63-4	3-methoxycarbonylaminophenyl 3'-methylcarbanilate							
	pyributicarb							
88678-67-5	O-3-tert-butylphenyl N-(6-methoxy-2-pyridyl)-N-methylthiocarbamate							
	Chlorfenvinphos							
470-90-8	Chlorfenvinphos							
	Chlorpyrifos							
5598-13-0	Chlorpyrifos methyl [O,O-Dimethyl-O-(3,5,6-trichloro-2-pyridyl)phosphorothioate]							
2921-88-2	Chlorpyrifos							
	Endosulphan							
115-29-7	Endosulphan / 6,7,8,9,10,10-hexachloro-1,5,5a,6,9,9a-hexahydro-6,9-methano-2,4,3-benzodioxathiepine 3-oxide							
	Hexachlorocyclohexane							
608-73-1	1,2,3,4,5, 6-hexachlorocyclohexane (HCH)							
	Isodrin							
465-73-6	Isodrin							
	Isoproturon							
34123-59-6	Isoproturon							
	2,4-D							
94-75-7	2,4-D (2,4-dichlorophenoxyacetic acid) / 2,4-PA							
2702-72-9	2,4-D sodium salt							
	2,4-D esters							
94-80-4	2,4-D butyl ester							
01928-43-4	2,4-D 2-ethylhexyl ester							
94-11-1	2,4-D isopropyl ester							
01929-73-3	2,4-D butoxyethyl ester							
1320-18-9	2,4-D propylene glycol butyl ether ester							

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53404-37-8	2,4-D 2-ethyl-4-methylpentyl ester							
	2,4-DP							
120-36-5	2,4-DP							
	2,4-DB							
94-82-6	2,4-DB							
	Dicofol							
115-32-2	Dicofol [Benzenemethanol, 4-chloro-.alpha.-4-(chlorophenyl)-.alpha.-(trichloromethyl)-]							
	Glyoxal							
107-22-2	Glyoxal							
	Methoxone							
94-74-6	Methoxone ((4-chloro-2-methylphenoxy)acetic acid) / MCP / MCPA							
3653-48-3	Methoxone sodium salt							
	Pronamide							
23950-58-5	Pronamide (3,5-dichloro-N-(1,1-dimethyl-2-propynyl)benzamide)							
	Pendimethalin							
40487-42-1	Pendimethalin (N-(1-ethylpropyl)-2,6-dinitro-3,4-xylidine)							
	Amitrole							
61-82-5	Amitrole (3-amino-1H-1,2,4-triazole)							
	Naled							
300-76-5	Naled (1,2-dibromo-2,2-dichloroethyl dimethyl phosphate)							
	Quintozene							
82-68-8	Quintozene (pentachloronitrobenzene)							
	Linuron							
330-55-2	Linuron (3-(3,4-dichlorophenyl)-1-methoxy-1-methylurea)							
	Diazinon							
333-41-5	Diazinon (O,O-diethyl O-2-isopropyl-6-methyl-4-pyrimidinyl phosphorothioate)							
	Dazomet							
533-74-4	Dazomet (2-thiono-3,5-dimethyltetrahydro-2H-1,3,5-thiadiazine)							
53404-60-7	Dazomet, sodium salt							
	Trichlorfon							
52-68-6	Trichlorfon (dimethyl 2,2,2-trichloro-1-hydroxyethylphosphonate)							
	Benomyl							
17804-35-2	Benomyl (methyl N-[1-(N-n-butylcarbamoyl)-1H-2-benzimidazolyl]carbamate)							
	Thiobencarb							
28249-77-6	Thiobencarb (S-4-chlorobenzyl N,N-diethylthiocarbamate)							
	Amitraz							
33089-61-1	Amitraz (3-methyl-1,5-di(2,4-xylyl)-1,3,5-triazapenta-1,4-diene)							
	Propanil							
709-98-8	Propanil (3',4'-dichloropropionanilide)							
	Sulprofos							
35400-43-2	Sulprofos (O-ethyl O-4-(methylthio)phenyl S-n-propyl phosphorodithioate)							
	Profenofos							
41198-08-7	Profenofos (O-4-bromo-2-chlorophenyl O-ethyl S-propyl phosphorothioate)							
	Permethrin							
52645-53-1	Permethrin (3-phenoxybenzyl 3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate)							
	Quizalofop-ethyl							
76578-14-8	Quizalofop-ethyl (ethyl 2-[4-(6-chloro-2-quinoxalinyloxy)phenoxy]propionate)							
	Dichlorvos / DDVP							
62-73-7	Dichlorvos (dimethyl 2,2-dichlorovinyl phosphate)							
	Chloropicrin							
76-06-2	Chloropicrin (trichloronitromethane)							
	Carbaryl / NAC							
63-25-2	Carbaryl (1-naphthyl N-methylcarbamate)							
	Chlorothalonil							
1897-45-6	Chlorothalonil (tetrachloroisophthalonitrile)							
	Paraquat dichloride / paraquat							
1910-42-5	Paraquat dichloride (1,1'-dimethyl-4,4'-bipyridinium dichloride)							
	fenitrothion / MEP							
122-14-5	fenitrothion (O,O-dimethyl O-3-methyl-4-nitrophenyl phosphorothioate)							
	Fenthion							
55-38-9	Fenthion (O,O-dimethyl O-3-methyl-4-nitrophenyl phosphorothioate)							
	Molinate							
2212-67-1	Molinate (S-ethyl hexahydro-1H-azepine-1-carbothioate)							
	Propargite / BPPS							
2312-35-8	Propargite (2-(4-tert-butylphenoxy)cyclohexyl 2-propynyl sulfite)							
	Chinomethionat							
2439-01-2	Chinomethionat (6-methyl-1,3-dithiolo[4,5-b]quinoxalin-2-one)							
	Famphur							
52-85-7	Famphur							
	Tebuthiuron							
34014-18-1	Tebuthiuron							
	Sethoxydim							
74051-80-2	Sethoxydim							
	Thiodicarb							
59669-26-0	Thiodicarb / 3,7,9,13-tetramethyl-5,11-dioxa-2,8,14-trithia-4,7,9,12-tetraazapentadeca-3,12-diene-6,10-dione							

Pollutant		Thresholds, Canada: NPRI					
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	Mecoprop							
93-65-2	Mecoprop							
	Aldicarb							
116-06-3	Aldicarb							
	Captan							
133-06-2	Captan							
	Folpet							
133-07-3	Folpet							
	Chloramben							
133-90-4	Chloramben							
	Ferbam							
14484-64-1	Ferbam							
	Parathion							
56-38-2	Parathion							
298-00-0	Methylparathion							
	Pirimiphos methyl							
29232-93-7	Pirimiphos methyl / O-2-diethylamino-6-methylpyrimidin-4-yl O,O-dimethyl phosphorothioate							
	Diflubenzuron							
35367-38-5	Diflubenzuron							
	Metham sodium							
137-42-8	Metham sodium							
	Fenpropathrin							
39515-41-8	Fenpropathrin / (RS)-alpha-cyano-3-phenoxybenzyl 2,2,3,3-tetramethylcyclopropanecarboxylate							
	Hydramethylnon							
67485-29-4	Hydramethylnon							
	Abamectin							
71751-41-2	Abamectin							
	Lactofen							
77501-63-4	Lactofen							
	Nabam							
142-59-6	Nabam							
	Thiabendazole							
148-79-8	Thiabendazole							
	Merphos							
150-50-5	Merphos							
	Monuron							
150-68-5	Monuron							
	Methoxychlor							
72-43-5	Methoxychlor							
	Tetramethrin							
7696-12-0	Tetramethrin / cyclohex-1-ene-1,2-dicarboximidomethyl (1RS)-cis-trans-2,2-dimethyl-3-(2-methylprop-1-enyl)cyclopropanecarboxylate							
	Resmethrin							
10453-86-8	Resmethrin							
	Ethoprop							
13194-48-4	Ethoprop							
	Oxydemeton methyl							
301-12-2	Oxydemeton methyl							
	Desmedipham							
13684-56-5	Desmedipham							
	Oryzalin							
19044-88-3	Oryzalin							
	Bromacil							
314-40-9	Bromacil / 5-bromo-3-sec-butyl-6-methyl-1,2,3,4-tetrahydropyrimidine-2,4-dione							
53404-19-6	Bromacil, lithium salt							
	Bendiocarb							
22781-23-3	Bendiocarb							
	Phenothrin							
26002-80-2	Phenothrin							
	Triforine							
26644-46-2	Triforine							
	Propetamphos							
31218-83-4	Propetamphos							
	Imazalil							
35554-44-0	Imazalil							
	Triadimefon							
43121-43-3	Triadimefon							
	Triclopyr							
55335-06-3	(3,5,6-trichloro-2-pyridyl)oxyacetic acid (Triclopyr)							
57213-69-1	Triclopyr triethylammonium salt							
	Propiconazole							
60207-90-1	Propiconazole / mixture of (2RS,4RS)-1-[2-(2,4-dichlorophenyl)-4-propyl-1,3-dioxolan-2-ylmethyl]-1H-1,2,4-triazole and (2RS,4SR)-1-[2-(2,4-dichlorophenyl)-4-propyl-1,3-dioxolan-2-ylmethyl]-1H-1,2,4-triazole							
	Cyfluthrin							
68359-37-5	Cyfluthrin							
	Fluazifop butyl							
69806-50-4	Fluazifop butyl							
	Fenoxycarb							
72490-01-8	Fenoxycarb							

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	Chlorobenzilate							
510-15-6	Chlorobenzilate							
	Bifenthrin							
82657-04-3	Bifenthrin							
	Terbacil							
5902-51-2	Terbacil							
	Mevinphos							
7786-34-7	Mevinphos							
	Metiram							
9006-42-2	Metiram							
	Ametryn							
834-12-8	Ametryn							
	Diphenamid							
957-51-7	Diphenamid							
	Pebulate							
1114-71-2	Pebulate							
	Cycloate							
1134-23-2	Cycloate							
	Methazole							
20354-26-1	Methazole							
	Cyanazine							
21725-46-2	Cyanazine							
	Isofenphos							
25311-71-1	Isofenphos							
	Norflurazon							
27314-13-2	Norflurazon							
	Bromoxynil							
1689-84-5	Bromoxynil							
1689-99-2	Bromoxynil octanoate							
	Nitrofen							
1836-75-5	Nitrofen							
	Diethatyl ethyl							
38727-55-8	Diethatyl ethyl							
	Benfluralin							
1861-40-1	Benfluralin							
	Dinocap							
39300-45-3	Dinocap							
	Oxyfluorfen							
42874-03-3	Oxyfluorfen							
	Dicamba							
1918-00-9	Dicamba							
1982-69-0	Sodium dicamba							
2300-66-5	Dimethylamine dicamba							
	Vinclozolin							
50471-44-8	Vinclozolin / (RS)-3-(3,5-dichlorophenyl)-5-methyl-5-vinyl-1,3-oxazolidine-2,4-dione							
	Picloram							
1918-02-1	Picloram							
	Propachlor							
1918-16-7	Propachlor							
	Hexazinone							
51235-04-2	Hexazinone							
	Diclofop methyl							
51338-27-3	Diclofop methyl							
	Nitrapyrin							
1929-82-4	Nitrapyrin							
	Dimethipin							
55290-64-7	Dimethipin							
	Methiocarb							
2032-65-7	Methiocarb							
	Fenarimol							
60168-88-9	Fenarimol							
	Acifluorfen, sodium salt							
62476-59-9	Acifluorfen, sodium salt							
	Chlorsulfuron							
64902-72-3	Chlorsulfuron							
	Dipotassium endothall							
2164-07-0	Dipotassium endothall							
	Fenoxaprop ethyl							
66441-23-4	Fenoxaprop ethyl							
	Fluometuron							
2164-17-2	Fluometuron							
	Cyhalothrin							
68085-85-8	Cyhalothrin							
	Fluvalinate							
69409-94-5	Fluvalinate							
	Fomesafen							
72178-02-0	Fomesafen							
	Allate							
2303-16-4	Diallate							
2303-17-5	Triallate							
	Anilazine							
101-05-3	Anilazine							
	Myclobutanil							

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88671-89-0	Myclobutanil / 2-(4-chlorophenyl)-2-(1H-1,2,4-triazol-1-ylmethyl)hexanenitrile							
	Dodine							
2439-10-3	Dodine							
	Chlorimuron ethyl							
90982-32-4	Chlorimuron ethyl							
	Tribenuron methyl							
101200-48-0	Tribenuron methyl							
	Temephos							
3383-96-8	Temephos							
	Fenvalerate							
51630-58-1	Fenvalerate (α-cyano-3-phenoxybenzyl 2-(4-chlorophenyl)-3-methylbutyrate)							
	Propoxur							
114-26-1	Propoxur (2-isopropoxyphenyl N-methylcarbamate)							
	Malathion / malathon							
121-75-5	Malathion (O,O-dimethyl S-1,2-bis(ethoxycarbonyl)ethyl phosphorodithioate)							
	Dimethoate							
60-51-5	Dimethoate (O,O-dimethyl S-(N-methylcarbamoyl)methyl phosphorodithioate)							
	Hexachlorophene							
70-30-4	Hexachlorophene	1A	10,000				1.0%	
	Methyl isothiocyanate							
556-61-6	Methyl isothiocyanate							
	Thiophanate							
23564-05-8	Thiophanate methyl / dimethyl 4,4'-(o-phenylene)bis(3-thioallophanate)							
23564-06-9	Thiophanate ethyl							
	Cyhalofop / cyhalofop-butyl							
122008-85-9	butyl (R)-2-[4-(4-cyano-2-fluorophenoxy)phenoxy]propionate							
	Disulfuton / ethylthiometon							
298-04-4	O,O-diethyl S-2-(ethylthio)ethyl phosphorodithioate							
	Fenothiocarb							
62850-32-2	S-4-phenoxybutyl N,N-dimethylthiocarbamate							
	Halosulfuron-Methyl							
100784-20-1	methyl 3-chloro-5-(4,6-dimethoxy-2-pyrimidinylcarbamoylsulfamoyl)-1-methylpyrazole-4-carboxylate							
	Fumazone							
96-12-8	1,2-dibromo3-chloropropane							
	Difenoconazole							
119446-68-3	1-{[2-[2-chloro-4-(4-chlorophenoxy)phenyl]-4-methyl-1,3-dioxolan-2-yl}methyl)-1H-1,2,4-triazole							
	Prothiofos							
34643-46-4	O-2,4-dichlorophenyl O-ethyl S-propyl phosphorodithioate							
	Dichlorophene							
97-23-4	Dichlorophene							
	Bromol							
118-79-6	2,4,6-tribromophenol							
	Prometryn							
7287-19-6	Prometryn							
	Dichloran							
99-30-9	Dichloran							
	Maneb							
12427-38-2	Maneb [Carbamodithioic acid, 1,2-ethanediylbis-,manganese complex] / manganese N,N'-ethylenebis(dithiocarbamate) (Jpn)							
	Methidathion / DMTP							
950-37-8	S-(2,3-dihydro-5-methoxy-2-oxo-1,3,4-thiadiazol-3-yl)methyl O,O-dimethyl phosphorodithioate							
	Tetrachlorvinphos							
961-11-5	Tetrachlorvinphos							
	Isoxathion							
18854-01-8	O,O-diethyl O-5-phenyl-3-isoxazolyl phosphorothioate							
	Kitazin P / iprobenfos / IBP							
26087-47-8	S-benzyl O,O-diisopropyl phosphorothioate							
	dichlobenil / DBN							
1194-65-6	2,6-dichlorobenzonitrile							
	Edifenphos / EDDP							
17109-49-8	O-ethyl S,S-diphenyl phosphorodithioate							
	Pyraclofos							
77458-01-6	O-1-(4-chlorophenyl)-4-pyrazolyl O-ethyl S-propyl phosphorothioate							
	Oxidiazon							
19666-30-9	Oxidiazon / 5-tert-butyl-3-(2,4-dichloro-5-isopropoxyphenyl)-1,3,4-oxadiazol-2(3H)-one							
	Acephate							
30560-19-1	Acephate / (RS)-O,S-dimethyl acetylphosphoramidothioate							
	Metacide 38							
35691-65-7	1-bromo-1-(bromomethyl)-1,3-propanedicarbonitrile							
	Metolachlor							
51218-45-2	2-chloro-2'-ethyl-N-(2-methoxy-1-methylethyl)-6'-methylacetanilide							
	3-iodo-2-propynyl butylcarbamate							
55406-53-6	3-iodo-2-propynyl butylcarbamate							
	Mefenacet							
73250-68-7	2-(2-benzothiazolyloxy)-N-methylacetanilide							

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	Clofentezine							
74115-24-5	3,6-bis(2-chlorophenyl)-1,2,4,5-tetrazine							
	Phosalone							
2310-17-0	O,O-diethyl S-(6-chloro-2,3-dihydro-2-oxobenzoxazolinyl)methyl phosphorodithioate							
	Carbofuran							
1563-66-2	Carbofuran / 2,3-dihydro-2,2-dimethyl-7-benzo[b]furanyl N-methylcarbamate							
	Phenthoate / PAP							
2597-03-7	ethyl 2-[(dimethoxyphosphinothioyl)thio]-2-phenylacetate							
	Tebufenpyrad							
119168-77-3	N-(4-tert-butylbenzyl)-4-chloro-3-ethyl-1-methylpyrazole-5-carboxamide							
	Cafenstrole							
125306-83-4	N,N-diethyl-3-(2,4,6-trimethylphenylsulfonyl)-1H-1,2,4-triazole-1-carboxamide							
	Fipronil							
120068-37-3	5-amino-1-[2,6-dichloro-4-(trifluoromethyl)phenyl]-3-cyano-4-[(trifluoromethyl)sulfinyl]pyrazole							
	Isoprocarb / MIPC							
2631-40-5	2-isopropylphenyl N-methylcarbamate							
	Landrin							
2655-15-4	2,3,5-trimethylphenyl methylcarbamate							
	2,4-D chlorocrotyl ester							
2971-38-2	2,4-D chlorocrotyl ester							
	Fenobucarb / BPMC							
3766-81-2	2-sec-butylphenyl N-methylcarbamate							
	D-trans-allethrin							
28057-48-9	D-trans-allethrin							
	Dowicil 200							
4080-31-3	1-(3-chloroallyl)-3,5,7-triaza-1-azoniaadamantane chloride							
	N-nitrosomethylvinylamine							
4549-40-0	N-nitrosomethylvinylamine							
	Carboxin							
5234-68-4	Carboxin							
	Thiram							
137-26-8	Thiram (tetramethylthiuram disulfide)							
	Sodium fluoroacetate							
62-74-8	Sodium fluoroacetate							
	Beta-propiolactone							
57-57-8	Beta-propiolactone							
	Dipropyl isocinchomeronate							
136-45-8	Dipropyl isocinchomeronate							
Colors and dyes								
	C.I. Fluorescent 260							
16090-02-1	disodium2,2'-vinylenebis[5-(4-morpholino-6-anilino-1,3,5-triazin-2-ylamino)benzenesulfonate]							
	5'-[N,N-bis(2-acetyloxyethyl)amino]-2'-(2-bromo-4,6-dinitrophenylazo)-4'-methoxyacetanilide							
3618-72-2	5'-[N,N-bis(2-acetyloxyethyl)amino]-2'-(2-bromo-4,6-dinitrophenylazo)-4'-methoxyacetanilide							
	C.I. Food Red							
3761-53-3	C.I. Food Red 5							
81-88-9	C.I. Food Red 15	1A	10,000				1.0%	
	C.I. Solvent Yellow							
60-09-3	C.I. Solvent Yellow 3 / 4-aminoazobenzene							
97-56-3	C.I. Solvent Yellow 3							
492-80-8	C.I. Solvent Yellow 34							
842-07-9	C.I. Solvent Yellow 14	1A	10,000				1.0%	
	C.I. Basic Green							
569-64-2	C.I. Basic Green 4	1A	10,000				1.0%	
	C.I. Vat Yellow							
128-66-5	C.I. Vat Yellow 4							
	C.I. Basic Red							
989-38-8	C.I. Basic Red 1	1A	10,000				1.0%	
	C.I. Direct Black							
1937-37-7	C.I. Direct Black 38							
	C.I. Direct Blue							
2602-46-2	C.I. Direct Blue 6							
28407-37-6	C.I. Direct Blue 218	1A	10,000				1.0%	
	C.I. Disperse Yellow							
2832-40-8	C.I. Disperse Yellow 3	1A	10,000				1.0%	
	C.I. Solvent Orange							
3118-97-6	C.I. Solvent Orange 7	1A	10,000				1.0%	
	C.I. Acid Green							
4680-78-8	C.I. Acid Green 3	1A	10,000				1.0%	
	C.I. Acid Red							
6459-94-5	C.I. Acid Red 114							
	C.I. Direct Brown							
16071-86-6	C.I. Direct Brown 95							
	Trypan blue							
72-57-1	Trypan blue							
Active pharmaceutical ingredient (API)								
	Fluorouracil							
51-21-8	Fluorouracil							

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	disulfiram							
97-77-8	tetraethylthiuram disulfide / disulfiram							
	Nicotine							
LCL-108	Nicotine and salts							
	Phenytoin							
57-41-0	Phenytoin							
	Pentobarbital sodium							
57-33-0	Pentobarbital sodium							
	Tetracycline hydrochloride							
64-75-5	Tetracycline hydrochloride	1A	10,000				1.0%	
	Triaziquone							
68-76-8	Triaziquone							
	Warfarin							
LCL-109	Warfarin and salts							
Non-grouped organic substances								
75-08-1	ethanethiol							
25103-58-6	tert-dodecanethiol							
420-04-2	cyanamide							
17796-82-6	N-(cyclohexylthio)phthalimide							
4979-32-2	N,N-dicyclohexyl-2-benzothiazolesulfenamide							
505-32-8	3,7,11,15-tetramethylhexadec-1-en-3-ol / isophytol							
112-57-2	3,6,9-triazaundecane-1,11-diamine / tetraethylenepentamine							
112-24-3	triethylenetetramine							
99-76-3	methyl 4-hydroxybenzoate							
103-90-2	N-(4-hydroxyphenyl)acetamide							
941-69-5	N-phenylmaleimide							
2426-08-6	n-butyl-2,3-epoxypropyl ether							
25013-16-5	butylhydroxyanisole / BHA							
LCL-110	water-soluble salts of peroxodisulfuric acid							
674-82-8	4-methylideneoxetan-2-one							
3268-49-3	3-methylthiopropanal							
110-91-8	morpholine							
78-42-2	tris(2-ethylhexyl) phosphate							
1330-78-5	tritolyl phosphate							
115-86-6	triphenyl phosphate							
552-30-7	1,2,4-benzenetricarboxylic 1,2-anhydride							
100-97-0	1,3,5,7-tetraazatricyclo[3.3.1.13.7]decane / hexamethylenetetramine							
100-37-8	2-(diethylamino)ethanol							
4162-45-2	2,2'-{isopropylidenebis[(2,6-dibromo-4,1-phenylene)oxy]}diethanol							
78-67-1	2,2'-azobisisobutyronitrile							
541-53-7	2,4-Dithiobiuret							
53-96-3	2-acetylaminofluorene							
141-43-5	2-aminoethanol							
75-86-5	2-methyllactonitrile / acetone cyanohydrin							
101-80-4	4,4'-Diaminodiphenyl ether							
101-61-1	4,4'-methylenebis(N,N-dimethyl)benzeneamine							
92-67-1	4-aminobiphenyl							
60-11-7	4-dimethylaminoazobenzene							
92-93-3	4-nitrobiphenyl							
100-40-3	4-vinyl-1-cyclohexene							
60-35-5	Acetamide							
134-32-7	alpha-naphthylamine							
55-21-0	Benzamide							
91-59-8	beta-naphthylamine							
111-44-4	Bis(2-chloroethyl) ether							
542-88-1	Bis(chloromethyl)ether							
107-30-2	Chloromethyl methyl ether							
115-10-6	Dimethylether	5				1000[A]		
123-86-4	Butyl acetate:n-	5				1000[A]		
LCL-111	Dihydronapthalene (all isomers)	5				1000[A]		
7379-12-6	Methyl-3-hexanone,2-	5				1000[A]		
27133-93-3	Methylindan (all isomers)	5				1000[A]		
103-71-9	Phenyl isocyanate	5				1000[A]		
420-56-4	Trimethylfluorosilane	5				1000[A]		
135-20-6	Cupferron							
132-64-9	Dibenzofuran							
101-90-6	Diglycidyl resorcinol ether / 1,3-bis[(2,3-epoxypropyl)oxy]benzene							
138-93-2	Disodium cyanodithioimidocarbonate							
759-94-4	Ethyl dipropylthiocarbamate							
112-02-7	hexadecyltrimethylammonium chloride							
124-09-4	hexamethylenediamine							
680-31-9	Hexamethylphosphoramide							
74-93-1	Methyl mercaptan (methanethiol) (USA: on TRI list, but reporting requirements currently suspended)							
109-77-3	Malononitrile							
79-22-1	Methyl chlorocarbonate							
624-83-9	Methyl isocyanate							
95-31-8	N-(tert-butyl)-2-benzothiazolesulfenamide							
1643-20-5	N,N-dimethyldodecylamine N-oxide							
924-42-5	N-Methylolacrylamide	1A	10,000				1.0%	
55-18-5	N-nitrosodiethylamine							
62-75-9	N-nitrosodimethylamine							
924-16-3	N-nitrosodi-N-butylamine							
621-64-7	N-nitrosodi-N-propylamine							
59-89-2	N-nitrosomorpholine							
759-73-9	N-nitroso-N-ethylurea							
684-93-5	N-nitroso-N-methylurea							
16543-55-8	N-nitrosonornicotine							
100-75-4	N-nitrosopiperidine							

Long Chemical List

Pollutant		Thresholds, Canada: NPRI						
CAS Number	Pollutant Name	Chemical Category	Manufacture, Process, or Otherwise Use (kg/year)	Release, Disposal, or Transfer for Recycling (kg/year)	Activity	Air Release (kg/year)	Concentration	Caveats/ Notes
104-12-1	P-chlorophenyl isocyanate							
110-85-0	Piperazine							
51-03-6	Piperonyl butoxide							
1120-71-4	Propane sultone							
78-48-8	S,S,S-tributyltrithiophosphate							
81-07-2	Saccharin (Manufacturing, no supplier notification)							
132-27-4	Sodium O-phenylphenoxide							
11070-44-3	Tetrahydromethylphthalic anhydride							
62-55-5	Thioacetamide							
79-19-6	Thiosemicarbazide							
126-73-8	tri-n-butyl phosphate							
115-96-8	Tris(2-chloroethyl) phosphate							
51-79-6	Urethane							
105-60-2	ε-caprolactam							

Pollutant		Thresholds, EU: E-PRTR			Thresholds, Kiev Protocol Implementation Guidelines				
CAS Number	Pollutant Name	Release to Air (kg/year)	Release to Water (kg/year)	Release to Land (kg/year)	Release to Air (kg/year)	Release to Water (kg/year)	Release to Land (kg/year)	Manufacture, Process or Use (kg/year)	Off-Site Transfers
Persistent Organic Pollutants (POPs)									
	Pesticides								
309-00-2	Aldrin	1	1	1	1	1	1	1	1
57-74-9	Chlordane	1	1	1	1	1	1	1	1
50-29-3	DDT / 1,1,1-trichloro-2,2-bis(4-chlorophenyl)ethane	1	1	1	1	1	1	1	1
60-57-1	Dieldrin	1	1	1	1	1	1	1	1
72-20-8	Endrin	1	1	1	1	1	1	1	1
76-44-8	Heptachlor	1	1	1	1	1	1	1	1
2385-85-5	Mirex	1	1	1	1	1	1	1	1
8001-35-2	Toxaphene	1	1	1	1	1	1	1	1
319-84-6	alpha-hexachlorocyclohexane								
319-85-7	beta-hexachlorocyclohexane								
58-89-9	Lindane (E-PRTR) / gamma-hexachlorocyclohexane / Lindane [Cyclohexane, 1,2,3,4,5,6-hexachloro-,(1.alpha.,2.alpha.,3.beta.,4.alpha.,5.alpha.,6.beta.)-] (USA)	1	1	1	1	1	1	1	1
143-50-0	Chlordecone	1	1	1	1	1	1	1	1
608-93-5	Pentachlorobenzene	1	1	1	1	1	1	50	5
	Industrial chemicals								
118-74-1	Hexachlorobenzene (HCB)	10	1	1	10	1	1	5	1
1336-36-3	Polychlorinated biphenyls (PCBs)	0.1	0.1	0.1	0.1	0.1	0.1	50	1
36355-01-8	Hexabromobiphenyl / USA: listed in TRI as member of Polybrominated Biphenyls (PBBs)	0.1	0.1	0.1					
68631-49-2	2,2',4,4',5,5'-hexabromodiphenyl ether (BDE-153), as Hexabromodiphenyl ether and heptabromodiphenyl ether (commercial octabromodiphenyl ether)								
207122-15-4	2,2',4,4',5,6'-hexabromodiphenyl ether (BDE-154), as Hexabromodiphenyl ether and heptabromodiphenyl ether (commercial octabromodiphenyl ether)								
446255-22-7	2,2',3,3',4,5',6-heptabromodiphenyl ether (BDE-175), as Hexabromodiphenyl ether and heptabromodiphenyl ether (commercial octabromodiphenyl ether)								
207122-16-5	2,2',3,4,4',5',6-heptabromodiphenyl ether (BDE-183), as Hexabromodiphenyl ether and heptabromodiphenyl ether (commercial octabromodiphenyl ether)								
5436-43-1	Tetrabromodiphenyl ether, as Tetrabromodiphenyl ether and pentabromodiphenyl ether (commercial pentabromodiphenyl ether)								
60348-60-9	Pentabromodiphenyl ether, as Tetrabromodiphenyl ether and pentabromodiphenyl ether (commercial pentabromodiphenyl ether)								
LCL-1	Perfluorooctane sulfonic acid (PFOS), its salts and perfluorooctane sulfonyl fluoride (PFOS-F) / Jpn: perfluoro(octane-1-sulfonic acid)								
	Polychlorinated dioxins and furans								
LCL-2	Dioxins and furans / Polychlorinated dioxins and furans (as TEQ) / Dioxin and Dioxin-Like Compounds (Cdn: Facilities are required to report to the NPRI on individual dioxin and furan congeners in grams, unless information is not available. In this case, facilities are required to report on total dioxins and furans in grams toxic equivalent (I-TEQ))	0.0001	0.0001	0.0001	0.001	0.001	0.001	0.001	0.001
LCL-3	Dioxins (Jpn: in accordance with WHO: The chemical name for dioxin is: 2,3,7,8- tetrachlorodibenzo para dioxin (TCDD). The name "dioxins" is often used for the family of structurally and chemically related polychlorinated dibenzo para dioxins (PCDDs) and polychlorinated dibenzofurans (PCDFs). Certain dioxin-like polychlorinated biphenyls (PCBs) with similar toxic properties are also included under the term “dioxins”. Some 419 types of dioxin-related compounds have been identified but only about 30 of these are considered to have significant toxicity, with TCDD being the most toxic.								
67562-39-4	1,2,3,4,6,7,8-Heptachlorodibenzofuran (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category								
55673-89-7	1,2,3,4,7,8,9-Heptachlorodibenzofuran (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category								
35822-46-9	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category								
70648-26-9	1,2,3,4,7,8-Hexachlorodibenzofuran (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category								
72918-21-9	1,2,3,7,8,9-Hexachlorodibenzofuran (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category								
57117-44-9	1,2,3,6,7,8-Hexachlorodibenzofuran (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category								
60851-34-5	2,3,4,6,7,8-Hexachlorodibenzofuran (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category								
39227-28-6	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category								
19408-74-3	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category								
57653-85-7	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category								
39001-02-0	Octachlorodibenzofuran (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category								

Long Chemical List

Pollutant		Thresholds, EU: E-PRTR			Thresholds, Kiev Protocol Implementation Guidelines				
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3268-87-9	Octachlorodibenzo-p-dioxin (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category								
57117-31-4	2,3,4,7,8-Pentachlorodibenzofuran (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category								
57117-41-6	1,2,3,7,8-Pentachlorodibenzofuran (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category								
40321-76-4	1,2,3,7,8-Pentachlorodibenzo-p-dioxin (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category								
51207-31-9	2,3,7,8-Tetrachlorodibenzofuran (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category								
1746-01-6	2,3,7,8-Tetrachlorodibenzo-p-dioxin (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category								
Metals									
	Antimony and its compounds								
7440-36-0	Antimony								
LCL-4	Antimony Compounds								
LCL-5	Antimony and its compounds								
	Arsenic and its compounds								
7440-38-2	Arsenic								
LCL-6	Arsenic Compounds								
LCL-7	Arsenic and its compounds / Arsenic and compounds (as As)	20	5	5	20	5	5	50	50
	Boron and its compounds								
LCL-8	Boron & compounds / boron and its compounds /Jpn: Boron compounds								
10294-34-5	Boron trichloride								
7637-07-2	Boron trifluoride								
	Cadmium and its compounds								
7440-43-9	Cadmium								
LCL-9	Cadmium Compounds								
LCL-10	Cadmium and its compounds / Cadmium and compounds (as Cd)	10	5	5	10	5	5	5	5
	Chromium and its compounds								
LCL-11	Chromium and compounds (as Cr) (E-PRTR: total mass in all chemical forms)	100	50	50	100	50	50	10,000	200
7440-47-3	Chromium								
LCL-12	Chromium Compounds (except chromite ore mined in the Transvaal region)								
LCL-13	Chromium (and its compounds), excludes hexavalent chromium (and its compounds)								
LCL-14	Chromium III compounds / chromium and chromium(III) compounds								
LCL-15	Chromium VI compounds / Hexavalent chromium (and its compounds)								
	Cobalt and its compounds								
7440-48-4	Cobalt								
LCL-16	Cobalt Compounds								
LCL-17	Cobalt and its compounds								
	Copper and its compounds								
7440-50-8	Copper								
LCL-18	Copper Compounds								
LCL-19	Copper and its compounds / Copper and compounds (as Cu) / (Jpn: copper salts (water-soluble, except complex salts))	100	50	50	100	50	50	10,000	500
10380-28-6	bis(8-quinolinolato)copper (USA: included as "copper compound")								
	Lead and its compounds								
7439-92-1	Lead (USA: when lead is contained in stainless steel, brass or bronze alloys the de minimis level is 0.1)								
LCL-20	Lead Compounds								
LCL-21	Lead and its compounds / Lead and compounds as (Pb)	200	20	20	200	20	20	50	50
LCL-22	Lead and its compounds except tetraethyl lead								
78-00-2	Tetraethyl lead (USA: included as "lead compound")								
	Manganese and its compounds								
7439-96-5	Manganese								
LCL-23	Manganese Compounds								
LCL-24	Manganese and its compounds								
	Mercury and its compounds								
7439-97-6	Mercury								
LCL-25	Mercury Compounds								
LCL-26	Mercury and its compounds / Mercury and compounds (as Hg)	10	1	1	10	1	1	5	5
	Nickel and its compounds								
7440-02-0	Nickel								
LCL-27	Nickel Compounds								
LCL-28	Nickel and its compounds / Nickel and compounds (as Ni)	50	20	20	50	20	20	10,000	500
12035-72-2	Nickel subsulfide (USA and Canada: included as "nickel compound")								
13463-39-3	Nickel carbonyl (USA and Canada: included as "nickel compound")								
	Selenium and its compounds								
7782-49-2	Selenium								
LCL-29	Selenium Compounds								
LCL-30	Selenium and its compounds								
	Zinc and its compounds								
7440-66-6	Zinc (fume or dust)								
LCL-31	Zinc Compounds								
LCL-32	Zinc and its compounds / Zinc and compounds (as Zn) / zinc compounds (water-soluble) (Jpn)	200	100	100	200	100	100	10,000	1,000

Pollutant		Thresholds, EU: E-PRTR			Thresholds, Kiev Protocol Implementation Guidelines				
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137-30-4	zinc bis(N,N'-dimethyldithiocarbamate) (USA: included as "zinc compound") / ziram								
12122-67-7	Zineb [Carbamodithioic acid, 1,2-ethanediyibis-, zinc complex]								
12071-83-9	polymer of N,N'-propylenebis(dithiocarbamic acid)and zinc / propineb								
64440-88-6	N,N'-ethylenebis(thiocarbamoylthiozinc) bis(N,N-dimethyldithiocarbamate) or polymer of N,N'-propylenebis(dithiocarbamic acid) and zinc (USA: included as "zinc compound")								
	Beryllium and its compounds								
7440-41-7	Beryllium								
LCL-33	Beryllium Compounds								
LCL-34	Beryllium and its compounds								
	Silver and its compounds								
7440-22-4	Silver								
LCL-35	Silver Compounds								
LCL-36	Silver and its compounds / Jpn: water-soluble compounds								
	Vanadium and its compounds								
7440-62-2	Vanadium (except when contained in an alloy)								
LCL-37	Vanadium compounds								
	Aluminum and compounds								
7429-90-5	Aluminum (fume or dust)								
1344-28-1	Aluminum oxide (fibrous forms)								
20859-73-8	Aluminum phosphide								
	Barium and its compounds								
7440-39-3	Barium								
LCL-38	Barium Compounds (USA: excl. Barium sulfate CAS Number 7727-43-7)								
	Indium and its compounds								
LCL-39	Indium and its compounds								
	Iron and its compounds								
7705-08-0	ferric chloride								
13463-40-6	Iron pentacarbonyl								
	Lithium and its compounds								
554-13-2	Lithium carbonate								
	Magnesium and its compounds								
1309-48-4	Magnesium oxide fume								
	Molybdenum and its compounds								
LCL-40	Molybdenum and its compounds								
1313-27-5	Molybdenum trioxide								
	Osmium and its compounds								
20816-12-0	Osmium tetroxide								
	Thallium and its compounds								
7440-28-0	Thallium								
LCL-41	Thallium Compounds								
	Titanium tetrachloride								
7550-45-0	Titanium tetrachloride								
	Zirconium								
7699-43-6	zirconium dichloride oxide								
Inorganic substances									
	Asbestos								
1332-21-4	Asbestos / Cdn, USA: Asbestos (friable)	1	1	1	1	1	1	10,000	10
	Cyanides (as total CN)								
LCL-42	Cyanides (as total CN) (E-PRTR) / Cyanide compounds (X+CN- where X = H+ or any other group where a formal dissociation can be made) (USA) / Cyanide (inorganic) compounds (Aus) / inorganic cyanide compounds (except complex salts and cyanates) (Japan) / Cyanides (ionic) (Cdn)	-	50	50	-	50	50	10,000	500
74-90-8	Hydrogen cyanide	200	-	-	200	-	-	10,000	-
	Fluorides (as total F)								
LCL-43	Fluorides (as total F) / Jpn: hydrogen fluoride and its water-soluble salts	-	2,000	2,000	-	2,000	2,000	10,000	10,000
LCL-44	Fluoride compounds								
7664-39-3	Hydrogen fluoride								
7681-49-4	Sodium fluoride								
7789-75-5	Calcium fluoride								
	Phosphorus								
LCL-45	Phosphorus (total)	-	5,000	5,000	-	5,000	5,000	10,000	10,000
LCL-46	Phosphorus (total, excluding yellow or white phosphorus)								
7723-14-0	Phosphorus (yellow, white)								
	Nitrate								
LCL-47	Nitrate Compounds (water dissociable; reportable only when in aqueous solution)								
LCL-48	nitrate ion in solution at ph >= 6.0								
7697-37-2	Nitric Acid								
	Particulate matter								
LCL-49	PM - Total Particulate Matter (Canada: Particulate matter with a diameter less than 100 micrometres)								
LCL-50	PM10 - Particulate matter	50,000	-	-	50,000	-	-	#	-
LCL-51	PM2.5 - Particulate Matter <= 2.5 Microns								
	Sulfate								
7664-93-9	Sulfuric acid / Sulfuric acid (acid aerosols including mists, vapors, gas, fog, and other airborne forms of any particle size) (USA)								
	Chloride (as Cl-)								
LCL-52	Chlorides (as total Cl)	-	2,000,000	2,000,000	-	2,000,000	2,000,000	10,000	2,000,000
	Nitrite								

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Pollutant		Thresholds, EU: E-PRTR			Thresholds, Kiev Protocol Implementation Guidelines				
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7632-00-0	Sodium nitrite								
	Potassium bromate								
07758-01-2	Potassium bromate								
	Phosphoric acid								
7664-38-2	Phosphoric acid								
	Sodium azide								
26628-22-8	Sodium azide								
	Thorium dioxide								
1314-20-1	Thorium dioxide								
	Total Nitrogen								
LCL-53	Total nitrogen	-	50,000	50,000	-	50,000	50,000	10,000	10,000
	Total Sulphur								
LCL-54	Total Reduced Sulphur (TRS) (Total of hydrogen sulphide, carbon disulphide, carbonyl sulphide, dimethyl sulphide, dimethyl disulphide and methyl mercaptan, expressed as hydrogen sulphide)								
Chlorinated and brominated organic substances									
	Chlorinated ethanes and propanes								
107-06-2	1,2-Dichloroethane	1,000	10	10	1,000	10	10	10,000	100
75-00-3	Chloroethane								
79-00-5	1,1,2-Trichloroethane								
71-55-6	1,1,1-trichloroethane	100	-	-	100	-	-	10,000	1,000
79-34-5	1,1,2,2-Tetrachloroethane	50	-	-	50	-	-	10,000	1,000
630-20-6	1,1,1,2-Tetrachloroethane								
75-34-3	Ethylidene dichloride (1,1-Dichloroethane)								
76-01-7	Pentachloroethane								
67-72-1	Hexachloroethane								
78-87-5	1,2-Dichloropropane								
96-18-4	1,2,3-Trichloropropane								
	Chlorinated ethenes and propenes								
75-01-4	Vinyl chloride (Chloroethylene)	1,000	10	10	1,000	10	10	10,000	100
79-01-6	Trichloroethylene	2,000	10	-	2,000	-	-	10,000	1,000
127-18-4	Tetrachloroethylene	2,000	10	-	2,000	-	-	10,000	1,000
75-35-4	Vinylidene chloride (1,1-dichloroethylene)								
107-05-1	Allyl chloride (3-chloropropene)								
563-47-3	3-Chloro-2-methyl-1-propene								
156-59-2	cis-1,2-dichloroethylene								
540-59-0	1,2-Dichloroethylene								
542-75-6	1,3-Dichloropropylene / D-D								
78-88-6	2,3-dichloropropene								
10061-02-6	trans-1,3-dichloropropene								
	Chlorinated methanes								
75-09-2	Dichloromethane / methylene dichloride	1,000	10	10	1,000	10	10	10,000	100
67-66-3	Trichloromethane / Chloroform	500	10	-	500	-	-	10,000	1,000
56-23-5	Tetrachloromethane / Carbon tetrachloride	100	1	-	100	-	-	10,000	1,000
74-87-3	Chloromethane / methyl chloride								
	Chlorobenzenes								
108-90-7	Chlorobenzene								
95-50-1	o-Dichlorobenzene; 1,2-Dichlorobenzene								
106-46-7	p-Dichlorobenzene; 1,4-Dichlorobenzene								
541-73-1	1,3-Dichlorobenzene								
25321-22-6	Dichlorobenzene (mixed isomers)								
12002-48-1	Trichlorobenzenes	10	1	-	10	-	-	10,000	1,000
120-82-1	1,2,4-Trichlorobenzene								
	Brominated diphenylethers (PBDE)								
1163-19-5	Decabromodiphenyl ether								
LCL-55	Brominated diphenylethers (PBDE) (total mass of penta-BDE, octa-BDE and deca-BDE)	-	1	1	-	1	1	10,000	5
	Short Chain Chlorinated Paraffins (SCCPs)								
85535-84-8	Chloro-alkanes (C10-C13) / Polychlorinated alkanes (C10 to C13) / Alkanes, C10-13, chloro	-	1	1	-	1	1	10,000	10
LCL-56	Alkanes, C6-18, chloro (**attention**: short chain: only <C14!)								
	Brominated VOC								
75-25-2	Bromoform (Tribromomethane)								
74-95-3	Methylene bromide								
124-48-1	dibromochloromethane								
75-27-4	Dichlorobromomethane / bromodichloromethane								
106-93-4	1,2-Dibromoethane								
107-04-0	1-Bromo-2-chloroethane								
106-94-5	1-bromopropane								
75-26-3	2-bromopropane								
593-60-2	Vinyl bromide								
	Chlorinated toluenes and phenols								
95-57-8	o-chlorophenol								
106-48-9	p-chlorophenol								
95-73-8	2,4-dichlorotoluene								
87-86-5	Pentachlorophenol (PCP)	10	1	1	10	1	1	10,000	5
LCL-57	Chlorophenols (di, tri, tetra) (Aus) / Chlorophenols Cl 1-5 (USA)								
120-83-2	2,4-Dichlorophenol / Cdn: 2,4-Dichlorophenol (and its salts)								
88-06-2	2,4,6-Trichlorophenol								
95-95-4	2,4,5-Trichlorophenol								
95-49-8	o-chlorotoluene								
106-43-4	p-chlorotoluene								
131-52-2	Sodium pentachlorophenate								
98-87-3	Benzal chloride (Benzylidene dichloride)								
98-88-4	Benzoyl chloride								
100-44-7	Benzyl chloride								
611-19-8	1-chloro-2-(chloromethyl)benzene								
59-50-7	4-chloro-3-methylphenol								
98-07-7	Benzoic trichloride (Benzylidyne trichloride)								

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	Chlorendic acid								
115-28-6	Chlorendic acid (1,4,5,6,7,7-hexachlorobicyclo[2.2.1]-5-heptene-2,3-dicarboxylic acid)								
	Chlorinated carboxylic acids & carboxylic acid esters								
79-11-8	Chloroacetic acid (Japan, USA) / Chloroacetic acid (and its salts) (Cdn)								
76-03-9	trichloroacetic acid								
76-02-8	Trichloroacetyl chloride								
598-78-7	2-chloropropionic acid								
105-39-5	ethyl chloroacetate								
	Bis(2-chloro-1-methylethyl) ether								
108-60-1	Bis(2-chloro-1-methylethyl) ether								
	Bis(2-chloroethoxy)methane								
111-91-1	Bis(2-chloroethoxy)methane								
	Chloroanilines								
95-51-2	o-chloroaniline								
106-47-8	p-chloroaniline								
LCL-58	chloroaniline								
LCL-59	dichloroaniline								
95-69-2	p-chloro-o-toluidine								
	Chloroprene								
126-99-8	Chloroprene								
	Chlorinated butenes								
110-57-6	Trans-1,4-dichloro-2-butene								
764-41-0	1,4-dichloro-2-butene								
	Chloronaphthalenes								
1335-87-1	Hexachloronaphthalene								
2234-13-1	Octachloronaphthalene								
	3-Chloropropionitrile								
542-76-7	3-Chloropropionitrile								
	Dimethylcarbamyl chloride								
79-44-7	Dimethylcarbamyl chloride								
	Dimethyl chlorothiophosphate								
2524-03-0	Dimethyl chlorothiophosphate								
	2,2-dibromo-2-cyanoacetamide								
10222-01-2	2,2-dibromo-2-cyanoacetamide (Jpn) / 2,2-Dibromo-3-nitrilopropionamide (USA: on TRI list, but reporting requirements currently suspended)								
	Halogenated organic compounds								
LCL-60	Halogenated organic compounds (as AOX)	-	1,000	1,000	-	1,000	1,000	10,000	1,000
	Hexachlorobutadiene (HCBD)								
87-68-3	Hexachlorobutadiene (HCBD)	-	1	1	-	1	1	10,000	5
	Hexachlorocyclopentadiene								
77-47-4	Hexachlorocyclopentadiene								
	Perchloromethyl mercaptan								
594-42-3	Perchloromethyl mercaptan								
	2,2-bis(Bromomethyl)-1,3-propanediol								
3296-90-0	2,2-bis(Bromomethyl)-1,3-propanediol (added to TRI for RY2011)								
	Polybrominated biphenyls (PBBs)								
LCL-61	Polybrominated biphenyls								
	Tetrabromobisphenol A (TBBPA)								
79-94-7	Tetrabromobisphenol A (TBBPA)								
	Tris(2,3-dibromoproyl)phosphate								
126-72-7	Tris(2,3-dibromoproyl)phosphate								
	Vinyl Fluoride								
75-02-5	Vinyl Fluoride (added to TRI for RY2011)								
	Tetrafluoroethylene								
116-14-3	Tetrafluoroethylene (USA: added to TRI for RY2011)								
Ozone depleting substances									
	Hydrochlorofluorocarbons (HCFCs)								
LCL-62	Hydrochlorofluorocarbons (HCFCs) (E-PRTR: Total mass of substances including their isomers listed in Group VIII of Annex I to Regulation (EC) No 2037/2000 of the European Parliament and of the Council of 29 June 2000 on substances that deplete the ozone layer (OJ L 244, 29.9.2000, p. 1). Regulation as amended by Regulation (EC) No 1804/2003 (OJ L 265, 16.10.2003, p. 1))	1	-	-	1	-	-	10,000	100
75-43-4	HCFC-21, Dichlorofluoromethane								
75-45-6	HCFC-22, Chlorodifluoromethane, Difluoromonochloromethane								
354-14-3	HCFC-121, 1,1,2,2-Tetrachloro-1-fluoroethane								
354-11-0	HCFC 121a, 1,1,1,2-Tetrachloro-2-Fluoroethane								
41834-16-6	HCFC-122 (all isomers) / (Cdn: total of all isomers, including, but not limited to, isomers with CAS RN 354-12-1, 354-15-4 and 354-21-2)								
34077-87-7	Dichlorotrifluoroethane / (Cdn: Total of all isomers, including, but not limited to, isomers with CAS RN 306-83-2, 354-23-4, 812-04-4 and 90454-18-5)								
306-83-2	HCFC-123 and all isomers, Dichlorotrifluoroethane / Jpn: HCFC-123 / 2,2-dichloro-1,1,1-trifluoroethane / (Cdn: listed on the NPRI with CAS 34077-87-7)								
354-23-4	HCFC-123a, 1,2-Dichloro-1,1,2-Trifluoroethane / (Cdn: listed on the NPRI with CAS 34077-87-7)								
812-04-4	HCFC-123b, 1,1-Dichloro-1,2,2-Trifluoroethane / (Cdn: listed on the NPRI with CAS 34077-87-7)								
90454-18-5	Dichloro-1,1,2-trifluoroethane / (Cdn: listed on the NPRI with CAS 34077-87-7)								

Long Chemical List

Pollutant		Thresholds, EU: E-PRTR			Thresholds, Kiev Protocol Implementation Guidelines				
CAS Number	Pollutant Name	Release to Air (kg/year)	Release to Water (kg/year)	Release to Land (kg/year)	Release to Air (kg/year)	Release to Water (kg/year)	Release to Land (kg/year)	Manufacture, Process or Use (kg/year)	Off-Site Transfers
63938-10-3	Chlorotetrafluoroethane / Cdn: total of all isomers, including, but not limited to, isomers with CAS RN 76-14-2, 354-25-6, 374-07-2 and 2837-89-0								
354-25-6	1-Chloro-1,1,2,2-tetrafluoroethane (HCFC-124a) / (Cdn: listed on the NPRI with CAS 63938-10-3)								
2837-89-0	2-Chloro-1,1,1,2-tetrafluoroethane (HCFC-124) / (Cdn: listed on the NPRI with CAS 63938-10-3)								
1649-08-7	1,2-Dichloro-1,1-Difluoroethane, HCFC 132b								
75-88-7	2-Chloro-1,1,1-Trifluoroethane (HCFC-133a)								
1717-00-6	HCFC-141b / 1,1-dichloro-1-fluoroethane								
75-68-3	HCFC-142b / 1-chloro-1,1-difluoroethane								
127564-92-5	Dichloropentafluoropropane								
128903-21-9	2,2-Dichloro-1,1,1,3,3-pentafluoropropane (HCFC-225aa)								
422-44-6	1,2-Dichloro-1,1,2,3,3-Pentafluoropropane								
422-48-0	2,3-Dichloro-1,1,1,2,3-Pentafluoropropane								
422-56-0	3,3-Dichloro-1,1,1,2,2-Pentafluoropropane								
431-86-7	1,2-Dichloro-1,1,3,3,3-Pentafluoropropane								
507-55-1	1,3-Dichloro-1,1,2,2,3-Pentafluoropropane								
13474-88-9	1,1-Dichloro-1,2,2,3,3-Pentafluoropropane								
111512-56-2	1,1-Dichloro-1,2,3,3,3-Pentafluoropropane								
460-35-5	HCFC 253, 3-Chloro-1,1,1-Trifluoropropane								
431-07-2	Chlorotrifluoroethane (HCFC-133)								
	Chlorofluorocarbon (CFCs)								
LCL-63	Chlorofluorocarbons (CFCs) (E-PRTR: Total mass of substances including their isomers listed in Group I and II of Annex I to Regulation (EC) No 2037/2000)	1	-	-	1	-	-	10,000	100
75-69-4	CFC-11, Trichlorofluoromethane								
75-71-8	CFC-12, Dichlorodifluoromethane								
76-13-1	CFC-113, trichlorotrifluoroethane / USA: Freon 113 [Ethane, 1,1,2-trichloro-1,2,2,-trifluoro-]								
76-14-2	CFC-114, Dichlorotetrafluoroethane								
76-15-3	CFC-115, Monochloropentafluoroethane								
75-72-9	CFC-13, Chlorotrifluoromethane								
LCL-64	CFC-112, Tetrachlorodifluoroethane								
	Halons								
LCL-65	Halons (E-PRTR: Total mass of substances including their isomers listed in Group III and VI of Annex I to Regulation (EC) No 2037/2000)	1	-	-	1	-	-	10,000	100
353-59-3	Halon 1211, Bromochlorodifluoromethane								
75-63-8	Halon 1301, Bromotrifluoromethane								
124-73-2	Dibromotetrafluoroethane (Halon 2402)								
74-83-9	Bromomethane (Methyl bromide)								
Greenhouse gases (GHGs)									
	Carbon dioxide (CO2)								
124-38-9	Carbon dioxide / Aus: The Australian National Greenhouse Gas Accounts are published annually by the Australian Government. The national inventory forms the foundation for Australia's efforts to address climate change. By identifying and reporting emissions sources and sinks, and changes in these over time, the inventory provides information fundamental to the development of domestic mitigation policies and programmes, while also tracking Australia's progress towards meeting international commitments. / Cdn: Greenhouse gas emissions are reported to Canada's Greenhouse Gas Emissions Reporting Program (GHGRP), a complementary program to the NPRI, Canada's PRTR. /	100,000,000	-	-	100,000,000	-	-	#	-
	Jpn: Japan has the program to mandate entities that emit considerably large amount of greenhouse gases (GHGs) to account and report their emissions to the government annually. The government publicizes the reported data based on the Act on Promotion of Global Warming Countermeasures since 2006. In addition, the government develops national greenhouse gas inventory and reports it every year to the UNFCCC secretariat under the UNFCCC and the Kyoto Protocol. / USA: The U.S. EPA's TRI Program does not collect release or other waste management quantities of GHGs. However, the U.S. EPA's Office of Air and Radiation (OAR) recently implemented regulations which requires reporting of GHG data and other relevant information from large sources and suppliers in the United States. These data and information will be made available to the public.								
	Methane (CH4)								
74-82-8	Methane / Aus: The Australian National Greenhouse Gas Accounts are published annually by the Australian Government. The national inventory forms the foundation for Australia's efforts to address climate change. By identifying and reporting emissions sources and sinks, and changes in these over time, the inventory provides information fundamental to the development of domestic mitigation policies and programmes, while also tracking Australia's progress towards meeting international commitments. / Cdn: Greenhouse gas emissions are reported to Canada's Greenhouse Gas Emissions Reporting Program (GHGRP), a complementary program to the NPRI, Canada's PRTR. /	100,000	-	-	100,000	-	-	#	-

Long Chemical List

Pollutant		Thresholds, EU: E-PRTR			Thresholds, Kiev Protocol Implementation Guidelines				
CAS Number	Pollutant Name	Release to Air (kg/year)	Release to Water (kg/year)	Release to Land (kg/year)	Release to Air (kg/year)	Release to Water (kg/year)	Release to Land (kg/year)	Manufacture, Process or Use (kg/year)	Off-Site Transfers
	Jpn: Japan has the program to mandate entities that emit considerably large amount of greenhouse gases (GHGs) to account and report their emissions to the government annually. The government publicizes the reported data based on the Act on Promotion of Global Warming Countermeasures since 2006. In addition, the government develops national greenhouse gas inventory and reports it every year to the UNFCCC secretariat under the UNFCCC and the Kyoto Protocol. / USA: The U.S. EPA's TRI Program does not collect release or other waste management quantities of GHGs. However, the U.S. EPA's Office of Air and Radiation (OAR) recently implemented regulations which requires reporting of GHG data and other relevant information from large sources and suppliers in the United States. These data and information will be made available to the public.								
	Nitrous oxide (N2O)								
10024-97-2	Nitrous oxide / Aus: The Australian National Greenhouse Gas Accounts are published annually by the Australian Government. The national inventory forms the foundation for Australia's efforts to address climate change. By identifying and reporting emissions sources and sinks, and changes in these over time, the inventory provides information fundamental to the development of domestic mitigation policies and programmes, while also tracking Australia's progress towards meeting international commitments. / Cdn: Greenhouse gas emissions are reported to Canada's Greenhouse Gas Emissions Reporting Program (GHGRP), a complementary program to the NPRI, Canada's PRTR. /	10,000	-	-	10,000	-	-	#	-
	Jpn: Japan has the program to mandate entities that emit considerably large amount of greenhouse gases (GHGs) to account and report their emissions to the government annually. The government publicizes the reported data based on the Act on Promotion of Global Warming Countermeasures since 2006. In addition, the government develops national greenhouse gas inventory and reports it every year to the UNFCCC secretariat under the UNFCCC and the Kyoto Protocol. / USA: The U.S. EPA's TRI Program does not collect release or other waste management quantities of GHGs. However, the U.S. EPA's Office of Air and Radiation (OAR) recently implemented regulations which requires reporting of GHG data and other relevant information from large sources and suppliers in the United States. These data and information will be made available to the public.								
	Hydrofluorocarbons (HFCs)								
LCL-66	Hydrofluorocarbons (HFCs) (E-PRTR: Total mass of hydrogen fluorocarbons: sum of HFC23, HFC32, HFC41, HFC4310mee, HFC125, HFC134, HFC134a, HFC152a, HFC143, HFC143a, HFC227ea, HFC236fa, HFC245ca, HFC365mfc) / Aus: The Australian National Greenhouse Gas Accounts are published annually by the Australian Government. The national inventory forms the foundation for Australia's efforts to address climate change. By identifying and reporting emissions sources and sinks, and changes in these over time, the inventory provides information fundamental to the development of domestic mitigation policies and programmes, while also tracking Australia's progress towards meeting international commitments. / Cdn: Greenhouse gas emissions are reported to Canada's Greenhouse Gas Emissions Reporting Program (GHGRP), a complementary program to the NPRI, Canada's PRTR. /	100	-	-	100	-	-	#	-
	Jpn: Japan has the program to mandate entities that emit considerably large amount of greenhouse gases (GHGs) to account and report their emissions to the government annually. The government publicizes the reported data based on the Act on Promotion of Global Warming Countermeasures since 2006. In addition, the government develops national greenhouse gas inventory and reports it every year to the UNFCCC secretariat under the UNFCCC and the Kyoto Protocol. / USA: The U.S. EPA's TRI Program does not collect release or other waste management quantities of GHGs. However, the U.S. EPA's Office of Air and Radiation (OAR) recently implemented regulations which requires reporting of GHG data and other relevant information from large sources and suppliers in the United States. These data and information will be made available to the public.								
	Perfluorocarbons (PFCs)								
LCL-67	Perfluorocarbons (PFCs) (E-PRTR: Total mass of perfluorocarbons: sum of CF4, C2F6, C3F8, C4F10, c-C4F8, C5F12, C6F14) / Aus: The Australian National Greenhouse Gas Accounts are published annually by the Australian Government. The national inventory forms the foundation for Australia's efforts to address climate change. By identifying and reporting emissions sources and sinks, and changes in these over time, the inventory provides information fundamental to the development of domestic mitigation policies and programmes, while also tracking Australia's progress towards meeting international commitments. / Cdn: Greenhouse gas emissions are reported to Canada's Greenhouse Gas Emissions Reporting Program (GHGRP), a complementary program to the NPRI, Canada's PRTR. /	100	-	-	100	-	-	#	-

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Pollutant		Thresholds, EU: E-PRTR			Thresholds, Kiev Protocol Implementation Guidelines				
CAS Number	Pollutant Name	Release to Air (kg/year)	Release to Water (kg/year)	Release to Land (kg/year)	Release to Air (kg/year)	Release to Water (kg/year)	Release to Land (kg/year)	Manufacture, Process or Use (kg/year)	Off-Site Transfers
	Jpn: Japan has the program to mandate entities that emit considerably large amount of greenhouse gases (GHGs) to account and report their emissions to the government annually. The government publicizes the reported data based on the Act on Promotion of Global Warming Countermeasures since 2006. In addition, the government develops national greenhouse gas inventory and reports it every year to the UNFCCC secretariat under the UNFCCC and the Kyoto Protocol. / USA: The U.S. EPA's TRI Program does not collect release or other waste management quantities of GHGs. However, the U.S. EPA's Office of Air and Radiation (OAR) recently implemented regulations which requires reporting of GHG data and other relevant information from large sources and suppliers in the United States. These data and information will be made available to the public.								
	Sulphur hexafluoride (SF6)								
2551-62-4	Sulphur hexafluoride (SF6) / Aus: The Australian National Greenhouse Gas Accounts are published annually by the Australian Government. The national inventory forms the foundation for Australia's efforts to address climate change. By identifying and reporting emissions sources and sinks, and changes in these over time, the inventory provides information fundamental to the development of domestic mitigation policies and programmes, while also tracking Australia's progress towards meeting international commitments. / Cdn: Greenhouse gas emissions are reported to Canada's Greenhouse Gas Emissions Reporting Program (GHGRP), a complementary program to the NPRI, Canada's PRTR. /	50	-	-	50	-	-	#	-
	Jpn: Japan has the program to mandate entities that emit considerably large amount of greenhouse gases (GHGs) to account and report their emissions to the government annually. The government publicizes the reported data based on the Act on Promotion of Global Warming Countermeasures since 2006. In addition, the government develops national greenhouse gas inventory and reports it every year to the UNFCCC secretariat under the UNFCCC and the Kyoto Protocol. / USA: The U.S. EPA's TRI Program does not collect release or other waste management quantities of GHGs. However, the U.S. EPA's Office of Air and Radiation (OAR) recently implemented regulations which requires reporting of GHG data and other relevant information from large sources and suppliers in the United States. These data and information will be made available to the public.								
Other gases									
	Ammonia								
7664-41-7	Ammonia (NH3) (E-PRTR) / Ammonia ((includes anhydrous ammonia and aqueous ammonia from water dissociable ammonium salts and other sources; 10 percent of total aqueous ammonia is reportable under this listing) (USA)	10,000	-	-	10,000	-	-	10,000	-
LCL-68	Ammonia (Total)								
	Chlorine and inorganic compounds (as HCl)								
7782-50-5	Chlorine								
LCL-69	Chlorine & compounds / Chlorine and inorganic compounds (as HCl)	10,000	-	-	10,000	-	-	10,000	-
7647-01-0	Hydrochloric acid / USA: Hydrochloric acid (acid aerosols including mists, vapors, gas, fog, and other airborne forms of any particle size)								
	Ethylene oxide								
75-21-8	Ethylene oxide	1,000	10	10	1,000	10	10	10,000	100
	Bromine								
7726-95-6	Bromine								
	Chlorine dioxide								
10049-04-4	Chlorine dioxide								
	Carbon monoxide								
630-08-0	Carbon monoxide	500,000	-	-	500,000	-	-	#	-
	Fluorine and inorganic compounds (as HF)								
7782-41-4	Fluorine								
LCL-70	Fluorine and inorganic compounds (as HF)	5,000	-	-	5,000	-	-	10,000	-
	Hydrogen sulfide								
7783-06-4	Hydrogen sulfide (USA: on TRI list, but reporting requirements currently suspended)								
	Nitrogen oxides								
11104-93-1	Oxides of nitrogen (expressed as NO2) / Nitrogen oxides (NOx/NO2)	100,000	-	-	100,000	-	-	#	-
	Sulphur oxides (SOx/SO2)								
2025-88-4	Sulphur oxides (SOx/SO2) / Sulfur dioxide	150,000	-	-	150,000	-	-	#	-
	water-soluble salts of bromic acid								
LCL-71	water-soluble salts of bromic acid								
	Hydrocarbons (gases)								
74-85-1	Ethylene								
74-86-2	Acetylene								
74-98-6	Propane								
115-07-1	Propylene								
LCL-72	Butane (all isomers)								
25167-67-3	Butene (all isomers)								
	Mustard								
505-60-2	Mustard Gas								
51-75-2	Nitrogen mustard / [2-Chloro-N-(2-chloroethyl)-Nmethylethanamine]								
	Diazomethane								
334-88-3	Diazomethane								
	Ozone								

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10028-15-6	Ozone								
	Sulfuryl fluoride								
2699-79-8	Sulfuryl fluoride								
	Phosphine								
7803-51-2	Phosphine								
Polycyclic aromatic hydrocarbons (PAHs)									
	Polycyclic aromatic hydrocarbons (PAHs)								
LCL-73	Polycyclic aromatic hydrocarbons (B[a]Peq)								
LCL-74	Polycyclic aromatic hydrocarbons (PAHs) as benzo(a)pyrene (50-32-8), benzo(b)-fluoranthene (205-99-2), benzo(k)fluoranthene (207-08-9), indeno(1,2,3-cd)pyrene (193-39-5)	50	5	5	50	5	5	50	50
LCL-75	Polycyclic aromatic compounds (PACs) / Cdn: Canada currently requires reporting on 32 PAHs: 29 as "Part 2" substances (with mandatory reporting triggered at 50 kilograms overall, with individual PAHs reportable at a 5 kilogram threshold); two commercial chemicals, anthracene and naphthalene, listed as "Part 1A" substances at a higher threshold; and creosote listed as a speciated VOC, under "Part 5" of the NPRI substance list.								
56-55-3	Benzo(a)anthracene (USA: included in the Polycyclic aromatic compounds (PACs) category)								
205-99-2	Benzo(b)fluoranthene (USA: included in the Polycyclic aromatic compounds (PACs) category)								
205-82-3	Benzo(j)fluoranthene (USA: included in the Polycyclic aromatic compounds (PACs) category)								
207-08-9	Benzo(k)fluoranthene (USA: included in the Polycyclic aromatic compounds (PACs) category)								
206-44-0	Fluoranthene (Cdn) / Benzo(j,k)fluorene (USA) (USA: included in the Polycyclic aromatic compounds (PACs) category)	-	1	-					
189-55-9	Dibenzo(a,i)pyrene (USA: included in the Polycyclic aromatic compounds (PACs) category)								
218-01-9	Benzo(a)phenanthrene (USA: included in the Polycyclic aromatic compounds (PACs) category)								
50-32-8	Benzo(a)pyrene (USA: included in the Polycyclic aromatic compounds (PACs) category)								
226-36-8	Dibenzo(a,h)acridine (USA: included in the Polycyclic aromatic compounds (PACs) category)								
224-42-0	Dibenz(a,j)acridine (USA: included in the Polycyclic aromatic compounds (PACs) category)								
53-70-3	Dibenzo(a,h)anthracene (USA: included in the Polycyclic aromatic compounds (PACs) category)								
194-59-2	7H-Dibenzo(c,g)carbazole (USA: included in the Polycyclic aromatic compounds (PACs) category)								
5385-75-1	Dibenzo(a,e)fluoranthene (USA: included in the Polycyclic aromatic compounds (PACs) category)								
192-65-4	Dibenzo(a,e)pyrene (USA: included in the Polycyclic aromatic compounds (PACs) category)								
189-64-0	Dibenzo(a,h)pyrene (USA: included in the Polycyclic aromatic compounds (PACs) category)								
191-30-0	Dibenzo(a,l)pyrene (USA: included in the Polycyclic aromatic compounds (PACs) category)								
57-97-6	7,12-Dimethylbenz(a)-anthracene (USA: included in the Polycyclic aromatic compounds (PACs) category)								
193-39-5	Indeno(1,2,3-c,d)pyrene (USA: included in the Polycyclic aromatic compounds (PACs) category)								
56-49-5	3-Methylcholanthrene (USA: included in the Polycyclic aromatic compounds (PACs) category)								
3697-24-3	5-Methylchrysene (USA: included in the Polycyclic aromatic compounds (PACs) category)								
5522-43-0	1-Nitropyrene (USA: included in the Polycyclic aromatic compounds (PACs) category)								
42397-64-8	1,6-Dinitropyrene (added to TRI for RY2011, included in the Polycyclic aromatic compounds (PACs) category)								
42397-65-9	1,8-Dinitropyrene (added to TRI for RY2011, included in the Polycyclic aromatic compounds (PACs) category)								
7496-02-8	6-Nitrochrysene (added to TRI for RY2011, included in the Polycyclic aromatic compounds (PACs) category)								
57835-92-4	4-Nitropyrene (added to TRI for RY2011, included in the Polycyclic aromatic compounds (PACs) category)								
8001-58-9	Creosote								
120-12-7	Anthracene (Jpn: PAHs in the PRTR system are limited to chemicals intentionally used and therefore listed individually)	50	1	1	50	1	1	50	50
191-24-2	Benzo(g,h,i)perylene	-	1	-					
91-20-3	Naphthalene (Jpn: PAHs in the PRTR system are limited to chemicals intentionally used and therefore listed individually)	100	10	10	100	10	10	10,000	100
LCL-76	methylnaphthalene (Jpn: PAHs in the PRTR system are limited to chemicals intentionally used and therefore listed individually)								
83-32-9	acenaphthene (Jpn: PAHs in the PRTR system are limited to chemicals intentionally used and therefore listed individually)								
85-01-8	Phenanthrene								
192-97-2	Benzo(e)pyrene								
198-55-0	Perylene								
129-00-0	Pyrene								
208-96-8	Acenaphthylene - PAH								
86-73-7	Fluorene - PAH								
Other organic substances									
	Acetonitrile								
75-05-8	Acetonitrile								
	Acrolein								
107-02-8	Acrolein								
	Acrylamid								

Long Chemical List

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79-06-1	Acrylamid								
	Acrylic and methacrylic acid								
79-10-7	Acrylic acid / acrylic acid and its water-soluble salts (Jpn)								
79-41-4	methacrylic acid								
	Acrylic and methacrylic acid esters								
818-61-1	2-hydroxyethyl acrylate								
13048-33-4	hexamethylene diacrylate								
80-62-6	Methyl methacrylate								
96-33-3	Methyl acrylate								
140-88-5	Ethyl acrylate								
97-88-1	n-butyl methacrylate								
105-16-8	2-(diethylamino)ethyl methacrylate								
106-91-2	2,3-epoxypropyl methacrylate								
688-84-6	2-ethylhexyl methacrylate								
2867-47-2	2-(dimethylamino)ethyl methacrylate								
141-32-2	Butyl acrylate								
2439-35-2	2-(dimethylamino)ethyl acrylate								
	Acrylonitrile and methacrylonitrile								
107-13-1	Acrylonitrile								
126-98-7	Methacrylonitrile								
	Aldehydes								
75-07-0	Acetaldehyde								
78-84-2	Isobutyraldehyde								
90-02-8	Salicylaldehyde								
100-52-7	Benzaldehyde								
111-30-8	Glutaraldehyde								
123-38-6	Propionaldehyde								
123-63-7	Paraldehyde								
123-72-8	Butyraldehyde								
4170-30-3	Crotonaldehyde / 2-butenal								
	Anilines								
62-53-3	Aniline								
LCL-77	toluidine								
95-53-4	o-toluidine								
636-21-5	o-toluidine hydrochloride								
95-68-1	2,4-dimethylaniline								
87-62-7	2,6-dimethylaniline / 2,6-Xylidine								
121-69-7	N,N-Dimethylaniline (and its salts)								
101-77-9	4,4'-methylenedianiline								
120-71-8	p-cresidine (2-methoxy-5-methylaniline)								
134-29-2	O-Anisidine hydrochloride								
123-30-8	p-aminophenol								
591-27-5	m-aminophenol								
25376-45-8	Diaminotoluene (mixed isomers) / toluenediamine (Jpn)								
95-80-7	2,4-Diaminotoluene (and its salts) (Cdn) / 2,4-Diaminotoluene (USA)								
139-65-1	4,4'-Thiodianiline								
90-04-0	o-anisidine								
104-94-9	p-anisidine								
615-05-4	2,4-diaminoanisole								
39156-41-7	2,4-diaminoanisole sulfate								
	Biphenyl								
92-52-4	Biphenyl (1,1-biphenyl)								
	C3-Benzenes								
95-63-6	1,2,4-Trimethylbenzene								
108-67-8	1,3,5-trimethylbenzene								
25551-13-7	Trimethylbenzene (all isomers excluding 1,2,4-Trimethylbenzene)								
98-82-8	Cumene (1-methylethylbenzene)								
	Hydrocarbons (liquids)								
110-54-3	n-Hexane								
110-82-7	Cyclohexane								
LCL-78	Pentane (all isomers)								
LCL-79	Pentene (all isomers)								
LCL-80	Hexane (all isomers excluding n-hexane)								
25264-93-1	Hexene (all isomers)								
LCL-81	Heptane (all isomers)								
LCL-82	Octane (all isomers)								
LCL-83	Nonane (all isomers)								
LCL-84	Decane (all isomers)								
LCL-85	Dodecane (all isomers)								
8052-41-3	Stoddard solvent								
64475-85-0	Mineral spirits								
64741-65-7	Heavy alkylate naphtha								
64742-47-8	Hydrotreated light distillate								
64742-48-9	Hydrotreated heavy naphtha								
64742-88-7	Solvent naphtha medium aliphatic								
64742-89-8	Solvent naphtha light aliphatic								
64742-94-5	Heavy aromatic solvent naphtha								
64742-95-6	Light aromatic solvent naphtha								
8030-30-6	Naphtha								
8032-32-4	VM & P naphtha								
8042-47-5	White mineral oil								
LCL-86	Cycloheptane (all isomers)								
LCL-87	Cyclohexene (all isomers)								
LCL-88	Cyclooctane (all isomers)								
	BTEX								
71-43-2	Benzene (E-PRTR: Single pollutants are to be reported if the threshold for BTEX (the sum parameter of benzene, toluene, ethyl benzene, xylenes) is exceeded)	1,000	200	200	1,000	200	200	10,000	2,000

Pollutant		Thresholds, EU: E-PRTR			Thresholds, Kiev Protocol Implementation Guidelines				
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100-41-4	Ethylbenzene (E-PRTR: Single pollutants are to be reported if the threshold for BTEX (the sum parameter of benzene, toluene, ethyl benzene, xylenes) is exceeded)	-	200	200	-	200	200	10,000	2,000
108-88-3	Toluene (E-PRTR: Single pollutants are to be reported if the threshold for BTEX (the sum parameter of benzene, toluene, ethyl benzene, xylenes) is exceeded)	-	200	200	-	200	200	10,000	2,000
1330-20-7	Xylenes / Xylene (mixed isomers) (E-PRTR: Single pollutants are to be reported if the threshold for BTEX (the sum parameter of benzene, toluene, ethyl benzene, xylenes) is exceeded)	-	200	200	-	200	200	10,000	2,000
95-47-6	o-xylene								
106-42-3	p-xylene								
108-38-3	m-xylene								
	1,3-Butadiene								
106-99-0	1,3-Butadiene								
	Carbon disulfide								
75-15-0	Carbon disulfide / Carbon disulphide								
	Diisocyanates								
101-68-8	Methylenebis(phenylisocyanate) (MDI) (USA: specified as Diisocyanates)								
5124-30-1	1,1-Methylenebis(4-isocyanatocyclohexane) (USA: specified as Diisocyanates) / methylenebis(4,1-cyclohexylene)diisocyanate (Jpn)								
4098-71-9	Isophorone diisocyanate (USA: specified as Diisocyanates) / 3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate (Jpn)								
9016-87-9	Polymeric diphenylmethane diisocyanate (USA: specified as Diisocyanates)								
16938-22-0	2,2,4-Trimethylhexamethylene diisocyanate (USA: specified as Diisocyanates)								
15646-96-5	2,4,4-Trimethylhexamethylene diisocyanate (USA: specified as Diisocyanates)								
822-06-0	Hexamethylene-1,6- diisocyanate (USA: specified as Diisocyanates)								
38661-72-2	1,3-Bis(methylisocyanate) - cyclohexane (USA: specified as Diisocyanates)								
10347-54-3	1,4-Bis(methylisocyanate)-cyclohexane (USA: specified as Diisocyanates)								
2556-36-7	1,4-Cyclohexane diisocyanate (USA: specified as Diisocyanates)								
134190-37-7	Diethyldiisocyanatobenzene (USA: specified as Diisocyanates)								
4128-73-8	4,4'-Diisocyanatodiphenylether (USA: specified as Diisocyanates)								
75790-87-3	2,4'-Diisocyanatodiphenylsulfide (USA: specified as Diisocyanates)								
91-93-0	3,3'-Dimethoxybenzidine-4,4'-diisocyanate (USA: specified as Diisocyanates)								
91-97-4	3,3'-Dimethyl-4,4'-diphenylene diisocyanate (USA: specified as Diisocyanates)								
139-25-3	3,3'-Dimethyldiphenylmethane-4,4'-diisocyanate (USA: specified as Diisocyanates)								
75790-84-0	4-Methyldiphenylmethane-3,4-diisocyanate (USA: specified as Diisocyanates)								
3173-72-6	1,5-Naphthalene diisocyanate (USA: specified as Diisocyanates) / 1,5-naphthalenediyl diisocyanate (Jpn)								
123-61-5	1,3-Phenylene diisocyanate (USA: specified as Diisocyanates)								
104-49-4	1,4-Phenylene diisocyanate (USA: specified as Diisocyanates)								
LCL-89	Diisocyanates (USA: 20 specified Diisocyanates, see compounds above)								
	Toluenediisocyanates								
584-84-9	Toluene-2,4-diisocyanate								
91-08-7	Toluene-2,6-diisocyanate								
26471-62-5	Toluenediisocyanate (mixed isomers) / tolylene diisocyanate								
	2-Ethoxyethanol								
110-80-5	2-Ethoxyethanol / ethylene glycol monoethyl ether								
	Methoxyethanol								
109-86-4	Methoxyethanol / ethylene glycol monomethyl ether								
	Formaldehyde								
50-00-0	Formaldehyde								
	Glycol ethers								
LCL-90	certain glycol ethers								
112-34-5	Diethylene glycol butyl ether (USA: incl. in certain glycol ethers)								
112-25-4	Ethylene glycol hexyl ether (USA: incl. in certain glycol ethers)								
5131-66-8	Propylene glycol butyl ether (USA: incl. in certain glycol ethers)								
110-49-6	2-Methoxyethanol acetate / 2-methoxyethyl acetate (USA: incl. in certain glycol ethers)								
111-76-2	2-Butoxyethanol (USA: incl. in certain glycol ethers)								
111-15-9	2-Ethoxyethanol acetate / 2-ethoxyethyl acetate (USA: incl. in certain glycol ethers)								
108-65-6	Propylene glycol methyl ether acetate (USA: incl. in certain glycol ethers)								
112-07-2	Ethylene glycol butyl ether acetate (USA: incl. in certain glycol ethers)								
112-15-2	Diethylene glycol ethyl ether acetate (USA: incl. in certain glycol ethers)								
	4,4'-methylenebis[2-chloroaniline]								
101-14-4	4,4'-Methylene-bis(2-chloroaniline) (MOCA) / 3,3'-dichloro-4,4'-diaminodiphenylmethane (Jpn)								
	Organotin compounds (as total Sn)								
LCL-91	Organotin compounds (as total Sn) / organic tin compounds (Jpn)	-	50	50	-	50	50	10,000	50
LCL-92	Tributyltin and compounds	-	1	1	-	1	1	10,000	5
56-35-9	Bis(tributyltin) oxide								
1983-10-4	Tributyltin fluoride								
2155-70-6	Tributyltin methacrylate								
LCL-93	Triphenyltin and compounds	-	1	1	-	1	1	10,000	5
639-58-7	Triphenyltin chloride								
13356-08-6	hexakis(2-methyl-2-phenylpropyl)distannoxane / fenbutatin oxide								

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76-87-9	Triphenyltin hydroxide								
	Phenols								
LCL-94	Phenols (as total C) (E-PRTR: total mass of phenol and simple substituted phenols)	-	20	20	-	20	20	10,000	200
108-95-2	Phenol								
1319-77-3	Cresol / USA: Cresol (mixed isomers)								
95-48-7	o-cresol								
106-44-5	p-cresol								
108-39-4	m-cresol								
1300-71-6	Dimethyl phenol								
576-26-1	2,6-xylenol (2,6-Dimethylphenol)								
105-67-9	2,4-Dimethylphenol / 2,4-xylenol								
128-37-0	2,6-Di-t-butyl-4-methylphenol / 2,6-di-tert-butyl-4-cresol								
96-76-4	2,4-di-tert-butylphenol								
89-72-5	o-sec-butylphenol								
98-54-4	4-tert-butylphenol								
88-60-8	2-tert-butyl-5-methylphenol								
90-43-7	o-Phenylphenol (and its salts) (Cdn) / 2-Phenylphenol (USA)								
108-98-5	Thiophenol								
	Phthalates								
117-81-7	Di-(2-ethyl hexyl) phthalate (DEHP) / bis(2-ethylhexyl)phthalate (Jpn)	10	1	1	10	1	1	10,000	100
84-74-2	Dibutyl phthalate								
85-68-7	Butyl benzyl phthalate								
117-84-0	Di-n-octyl phthalate								
84-66-2	Diethyl phthalate								
120-61-6	Dimethyl terephthalate								
131-11-3	Dimethyl phthalate								
131-17-9	diallyl phthalate								
	Styrenes								
100-42-5	Styrene								
96-09-3	Styrene oxide, phenyloxirane								
98-83-9	α-methylstyrene								
29082-74-4	Octachlorostyrene								
	Aromatic nitro compounds								
51-28-5	2,4-dinitrophenol								
88-75-5	2-(1-methylpropyl)-4,6-dinitrophenol (2-nitrophenol)								
100-02-7	p-nitrophenol (and its salts) (Cdn) / p-nitrophenol (Jpn) / 4-Nitrophenol (USA)								
534-52-1	4,6-dinitro-o-cresol								
88-72-2	o-nitrotoluene								
121-14-2	2,4-Dinitrotoluene								
606-20-2	2,6-Dinitrotoluene								
25321-14-6	Dinitrotoluene (mixed isomers)								
88-74-4	o-nitroaniline								
100-01-6	p-Nitroaniline								
99-54-7	1,2-dichloro-4-nitrobenzene								
89-61-2	1,4-dichloro-2-nitrobenzene								
97-00-7	1-chloro-2,4-dinitrobenzene								
121-87-9	2-chloro-4-nitroaniline								
88-73-3	2-chloronitrobenzene								
98-95-3	Nitrobenzene								
99-65-0	m-Dinitrobenzene								
100-25-4	p-Dinitrobenzene								
528-29-0	o-Dinitrobenzene								
99-55-8	5-nitro-o-toluidine								
100-00-5	p-nitrochlorobenzene								
88-85-7	Dinitrobutyl phenol (Dinoseb)								
88-89-1	Picric acid (2,4,6-trinitrophenol)								
99-59-2	5-nitro-o-anisidine								
91-23-6	o-Nitroanisole (added to TRI for RY2011)								
	Bisphenol A								
80-05-7	4,4'-isopropylidenediphenol / bisphenol A								
	1,2-Butylene oxide								
106-88-7	1,2-Butylene oxide / 1,2-epoxybutane								
	Calcium cyanamide								
156-62-7	Calcium cyanamide								
	Catechol								
120-80-9	Catechol / pyrocatechol								
	Cumene hydroperoxide								
80-15-9	Cumene hydroperoxide / 1-methyl-1-phenylethyl hydroperoxide								
	Cyclic ethers								
123-91-1	1,4-Dioxane								
109-99-9	Tetrahydrofuran								
	Dicyclopentadiene								
77-73-6	Dicyclopentadiene								
	Diphenylamine								
122-39-4	Diphenylamine								
	Epichlorohydrin								
106-89-8	Epichlorohydrin								
	Epoxy compounds								
75-56-9	Propylene oxide (1,2-epoxypropane)								
106-92-3	1-allyloxy-2,3-epoxypropane								
122-60-1	2,3-epoxypropyl phenyl ether								
556-52-5	2,3-epoxy-1-propanol (Japan) / Glycidol (USA: added to TRI for RY2011)								
1464-53-5	Diepoxybutane								
2451-62-9	1,3,5-tris(2,3-epoxypropyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione								
	Ethylene glycol								

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107-21-1	Ethylene glycol								
	Ethylene thiourea								
96-45-7	Ethylene thiourea (2-imidazolidinethione)								
	Hydrazines								
302-01-2	Hydrazine (Jpn, USA) / Hydrazine (and its salts) (Cdn)								
10034-93-2	Hydrazine sulfate								
57-14-7	1,1-Dimethyl hydrazine								
60-34-4	Methyl hydrazine								
100-63-0	phenylhydrazine								
122-66-7	1,2-Diphenylhydrazine								
	Ketone solvents								
67-64-1	Acetone								
108-10-1	Methyl isobutyl ketone								
78-93-3	Methyl ethyl ketone								
106-35-4	Ethyl butyl ketone								
	Maleic anhydride								
108-31-6	Maleic anhydride								
	N,N-Dimethylformamide								
68-12-2	N,N-Dimethylformamide								
	Nitroglycerin								
55-63-0	Nitroglycerin								
	Nitrilotriacetic acid								
139-13-9	Nitrilotriacetic acid (Jpn, USA) / Nitrilotriacetic acid (and its salts) (Cdn)								
	Nonylphenol								
LCL-95	Nonylphenol and Nonylphenol ethoxylates (NP/NPEs) / Nonylphenol and its ethoxylates	-	1	1	-	1	1	10,000	5
25154-52-3	Nonylphenol								
	Octylphenol								
1806-26-4	Octylphenols and Octylphenols ethoxylates / Octylphenol and its ethoxylates	-	1	-					
LCL-96	p-octylphenol								
9036-19-5	poly(oxyethylene) octylphenyl ether								
	Phenylenediamines								
LCL-97	phenylenediamine								
95-54-5	o-phenylenediamine (1,2-Phenylenediamine)								
106-50-3	p-Phenylenediamine (Jpn, USA) / p-Phenylenediamine (and its salts) (Cdn)								
108-45-2	m-phenylenediamine (1,3-Phenylenediamine)								
615-28-1	1,2-phenylenediamine dihydrochloride								
624-18-0	1,4-phenylenediamine dihydrochloride								
	Phthalic anhydride								
85-44-9	Phthalic anhydride								
	Pyridines								
110-86-1	Pyridine (Jpn, USA) / Pyridine (and its salts) (Cdn)								
100-69-6	2-vinylpyridine								
108-99-6	3-methylpyridine								
109-06-8	2-Methylpyridine								
	Quinoline								
91-22-5	Quinoline (and its salts) (Cdn) / Quinoline (USA)								
	Quinones								
106-51-4	Quinone, p-Quinone								
123-31-9	Hydroquinone								
82-28-0	1-AMINO-2-METHYLANTHRAQUINONE								
82-45-1	1-amino-9,10-anthraquinone								
118-75-2	2,3,5,6-tetrachloro-p-benzoquinone								
117-79-3	2-AMINOANTHRAQUINONE								
81-49-2	1-Amino-2,4-dibromoanthraquinone (added to TRI for RY2011)								
LCL-98	Anthraquinone (all isomers)								
	Saturated alcohols								
67-56-1	Methanol								
64-17-5	Ethanol								
67-63-0	Isopropyl alcohol (USA: (only persons who manufacture by the strong acid process are subject, no supplier notification)								
71-36-3	n-Butyl alcohol								
78-83-1	i-Butyl alcohol								
78-92-2	sec-Butyl alcohol								
75-65-0	tert-Butyl alcohol								
3452-97-9	3,5,5-trimethyl-1-hexanol								
143-08-8	1-nonanol / n-nonyl alcohol								
112-30-1	decyl alcohol / decanol								
112-53-8	1-dodecanol / n-dodecyl alcohol								
111-87-5	1-Octanol								
	Thiourea								
62-56-6	Thiourea								
	Unsaturated aliphatic alcohols								
107-18-6	Allyl alcohol								
107-19-7	Propargyl alcohol								
	Vinyl acetate								
108-05-4	Vinyl acetate								
	Volatile organic compounds (VOCs)								
LCL-99	Volatile organic compounds (VOCs) (Canada: Sum of VOCs meeting the definition of Schedule 1 [65] of the Canadian Environmental Protection Act, 1999--see: http://www.ec.gc.ca/lcpe-cepa/default.asp?lang=En&n=0DA2924D-1&wsdoc=4ABEFFC8-5BEC-B57A-F4BF-11069545E434).								
LCL-100	Non-methane volatile organic compounds (NMVOC)	100,000	-	-	100,000	-	-	#	-
LCL-101	Total volatile organic compounds								

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	1,3-dioxolane								
646-06-0	1,3-dioxolane								
	divinylbenzene								
1321-74-0	divinylbenzene								
	diphenyl ether								
101-84-8	diphenyl ether								
	Ethylenebisdithiocarbamic acid, salts and esters								
LCL-102	ethylenebisdithiocarbamic acid, salts and esters								
	1,3-diphenylguanidine								
102-06-7	1,3-diphenylguanidine								
	N,N-dimethylacetamide								
127-19-5	N,N-dimethylacetamide								
	N-(1,3-dimethylbutyl)-N'-phenyl-p-phenylenediamine								
793-24-8	N-(1,3-dimethylbutyl)-N'-phenyl-p-phenylenediamine								
	hydrogenated terphenyl								
61788-32-7	hydrogenated terphenyl								
	sodium salt of 2-sulfohexadecanoic acid 1-methyl ester								
4016-24-4	sodium salt of 2-sulfohexadecanoic acid 1-methyl ester								
	carbonic acids / dicarbonic acids								
334-48-5	decanoic acid								
124-04-9	Adipic acid								
149-57-5	2-ethylhexanoic acid								
	sodium dodecyl sulfate								
151-21-3	sodium dodecyl sulfate								
	1,2-bis(2-chlorophenyl)hydrazine								
782-74-1	1,2-bis(2-chlorophenyl)hydrazine								
	Furans								
110-00-9	Furan (USA: added to TRI for RY2011)								
98-00-0	Furfuryl alcohol								
	Nitrosodiphenylamine								
86-30-6	N-Nitrosodiphenylamine								
156-10-5	P-Nitrosodiphenylamine								
	Phosgene								
75-44-5	Phosgene								
	Terpens								
68956-56-9	Terpene (all isomers)								
123-35-3	Myrcene								
5989-27-5	Limonene,D-								
80-56-8	Alpha-Pinene								
127-91-3	Beta-Pinene								
555-10-2	Beta-Phellandrene								
	betanaphthol								
135-19-3	betanaphthol								
	benzophenone								
119-61-9	benzophenone								
	sodium poly(oxyethylene) dodecyl ether sulfate								
9004-82-4	sodium poly(oxyethylene) dodecyl ether sulfate								
	n-alkylbenzenesulfonic acid and its salts (alkyl c=10-14)								
LCL-103	n-alkylbenzenesulfonic acid and its salts (alkyl c=10-14)								
	poly(oxyethylene) alkyl ether (alkyl c=12-15)								
LCL-104	poly(oxyethylene) alkyl ether (alkyl c=12-15)								
	Michler's ketone (and its salts)								
90-94-8	Michler's ketone (and its salts) (Cdn) / Michler's ketone (USA)								
	Adipate								
103-23-1	Bis(2-ehtylhexyl) adipate								
	Ethyl acetate								
141-78-6	Ethyl acetate								
	Benzidine								
92-87-5	Benzidine								
91-94-1	3,3'-dichlorobenzidine								
119-90-4	3,3'-dimethoxybenzidine								
612-83-9	3,3'-Dichlorobenzidine dihydrochloride								
119-93-7	3,3'-dimethylbenzidine / o-tolidine								
612-82-8	3,3'-Dimethylbenzidine dihydrochloride (o-Tolidine dihydrochloride)								
20325-40-0	3,3'-dimethoxybenzidine dihydrochloride								
111984-09-9	3,3'-dimethoxybenzidine hydrochloride								
41766-75-0	3,3'-dimethoxybenzidine dihydrofluoride								
64969-34-2	3,3'-dichlorobenzidine sulfate								
	Safroles								
94-59-7	Safrole								
94-58-6	Dihydrosafrole								
120-58-1	Isosafrole								
	Isoprene								
78-79-5	Isoprene (USA: added to TRI for RY2011)								
	Methyleugenol								
93-15-2	Methyleugenol (added to TRI for RY2011)								
	Ethylenediaminetetraacetic acid (EDTA)								
60-00-4	Ethylenediaminetetraacetic acid								
	Amines								
74-89-5	methylamine								
107-15-3	ethylenediamine								
121-44-8	Triethylamine								
124-40-3	Dimethylamine								
107-11-9	Allylamine / 3-amino-1-propene								
102-82-9	tributylamine								

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101-83-7	N,N-dicyclohexylamine								
112-18-5	N,N-dimethyldodecylamine								
108-91-8	cyclohexylamine								
	Nitromethanes								
75-52-5	Nitromethane (added to TRI for RY2011)								
509-14-8	Tetranitromethane (added to TRI for RY2011)								
	Methyl iodide								
74-88-4	Methyl iodide								
	Phenolphthalein								
77-09-8	Phenolphthalein (added to TRI for RY2011)								
	Diethyl sulfate								
64-67-5	Diethyl sulfate								
	Dimethyl sulfate								
77-78-1	Dimethyl sulfate								
	dimethyl disulfide								
624-92-0	dimethyl disulfide								
	Cyclohexanol								
108-93-0	Cyclohexanol								
	Benzoyl peroxide								
94-36-0	Benzoyl peroxide								
	bis(1-methyl-1-phenylethyl) peroxide								
80-43-3	bis(1-methyl-1-phenylethyl) peroxide								
	tert-butyl hydroperoxide								
75-91-2	tert-butyl hydroperoxide								
	2-Mercaptobenzothiazole								
149-30-4	2-Mercaptobenzothiazole								
	2-(morpholinodithio)benzothiazole								
95-32-9	2-(morpholinodithio)benzothiazole								
	Imines								
75-55-8	Propyleneimine								
151-56-4	ethyleneimine								
	CARBONYL SULFIDE								
463-58-1	CARBONYL SULFIDE								
	Terephthalic acid								
100-21-0	Terephthalic acid								
	Ethyl chloroformate								
541-41-3	Ethyl chloroformate								
	N-Methyl-2-pyrrolidone								
872-50-4	N-Methyl-2-pyrrolidone								
	N-vinyl-2-pyrrolidone								
88-12-0	N-vinyl-2-pyrrolidone								
	Short chain fatty acids								
64-18-6	Formic acid								
64-19-7	Acetic acid (ethanoic acid)								
	Acetophenones								
98-86-2	Acetophenone								
532-27-4	2-chloroacetophenone								
	Peracetic acid								
79-21-0	Peracetic acid (Peracetic acid (and its salts))								
	Alkaloids								
357-57-3	Brucine								
LCL-105	strychnine and salts								
	2-Nitropropane								
79-46-9	2-Nitropropane								
	Methyl tert-butyl ether								
1634-04-4	Methyl tert-butyl ether								
	Diethanolamine								
111-42-2	Diethanolamine (and its salts) (Cdn) / Diethanolamine (USA)								
	Dimethyldithiocarbamates								
128-04-1	Sodium Dimethyldithiocarbamate								
128-03-0	Potassium Dimethyldithiocarbamate								
137-41-7	Potassium N-methyldithiocarbamate								
LCL-106	water-soluble salts of dimethyldithiocarbamic acid								
	TOC								
LCL-107	Total organic carbon (TOC) (as total C or COD/3)	-	50,000	-	-	50,000	-	##	-
Active substances of plant protection products or biocidal products									
	Alachlor								
15972-60-8	Alachlor (2-chloro-2',6'-diethy-N-(methoxymethyl)acetanilide)	-	1	1	-	-	-	10,000	5
	Diuron								
330-54-1	Diuron (3-(3,4-dichlorophenyl)-1,1-dimethylurea) / DCMU	-	1	1	-	1	1	10,000	5
	Triazine compounds								
1912-24-9	Atrazine (2-chloro-4-ethylamino-6-isopropylamino-1,3,5-triazine)	-	1	1	-	1	1	10,000	5
122-34-9	Simazine (2-chloro-4,6-bis(ethylamino)-1,3,5-triazine)	-	1	1	-	1	1	10,000	5
108-77-0	2,4,6-trichloro-1,3,5-triazine								
1014-70-6	simetryn / 2,4-bis(ethylamino)-6-methylthio-1,3,5-triazine								
	Trifluralin								
1582-09-8	Trifluralin (α,α,α-trifluoro-2,6-dinitro-N,N-dipropyl-p-toluidine)	-	1	1	-	1	1	10,000	5
	chloridazon								
1698-60-8	5-amino-4-chloro-2-phenylpyridazin-3(2H)-one								
	metribuzin								
21087-64-9	4-amino-6-tert-butyl-3-methylthio-1,2,4-triazin-5(4H)-one								
	metamitron								
41394-05-2	4-amino-3-methyl-6-phenyl-1,2,4-triazin-5(4H)-one								
	fenamiphos								

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22224-92-6	O-ethyl-O-(3-methyl-4-methylthiophenyl) N-isopropylaminophosphonate								
	bifenazate								
149877-41-8	isopropyl 2-(4-methoxybiphenyl-3-yl)hydrazinoformate								
	flutolanil								
66332-96-5	3'-isopropoxy-2-trifluoromethylbenzanilide								
	iminoctadine								
13516-27-3	1,1'-[iminodi(octamethylene)]diguanidine								
	butamifos								
36335-67-8	O-ethyl O-(6-nitro-m-tolyl)sec-butylphosphoramidothioate								
	EPN								
2104-64-5	O-ethyl O-4-nitrophenyl phenylphosphonothioate								
	alanycarb								
83130-01-2	ethyl (Z)-3-[N-benzyl-N-[[methyl(1-methylthioethylideneaminooxycarbonyl)amino]thio]amino]propionate								
	fosthiazate								
98886-44-3	O-ethyl S-1-methylpropyl (2-oxo-3-thiazolidinyl)phosphonothioate								
	mancozeb								
8018-01-7	complex compounds of manganese N,N'-ethylenebis(dithiocarbamate)and zinc N,N'-ethylenebis(dithiocarbamate)								
	diquat dibromide								
85-00-7	1,1'-ethylene-2,2'-bipyridinium dibromide								
	etofenprox								
80844-07-1	2-(4-ethoxyphenyl)-2-methylpropyl 3-phenoxybenzyl ether								
	mixture of emamectinB1a benzoate and emamectinB1b benzoate								
155569-91-8	emamectin benzoate								
	tolfenpyrad								
129558-76-5	4-chloro-3-ethyl-1-methyl-N-[4-(p-tolyloxy)benzyl]pyrazole-5-carboxamide								
	fluazinam								
79622-59-6	3-chloro-N-(3-chloro-5-trifluoromethyl-2-pyridyl)-α,α,α-trifluoro-2,6-dinitro-p-toluidine								
	pretilachlor								
51218-49-6	2-chloro-2',6'-diethyl-N-(2-propoxyethyl)acetanilide								
	mecoprop								
7085-19-0	(RS)-2-(4-chloro-o-tolyloxy)propionic acid								
	indanofan								
133220-30-1	(RS)-2-[2-(3-chlorophenyl)-2,3-epoxypropyl]-2-ethylindane-1,3-dione								
	fentrazamide								
158237-07-1	4-(2-chlorophenyl)-N-cyclohexyl-N-ethyl-4,5-dihydro-5-oxo-1H-tetrazole-1-carboxamide								
	hexythiazox								
78587-05-0	(4RS,5RS)-5-(4-chlorophenyl)-N-cyclohexyl-4-methyl-2-oxo-1,3-thiazolidine-3-carboxamide								
	tebuconazole								
107534-96-3	(RS)-1-p-chlorophenyl-4,4-dimethyl-3-(1H-1,2,4-triazol-1-ylmethyl)pentan-3-ol								
	fenbuconazole								
114369-43-6	(RS)-4-(4-chlorophenyl)-2-phenyl-2-(1H-1,2,4-triazol-1-ylmethyl)butyronitrile								
	cumyluron								
99485-76-4	1-(2-chlorobenzyl)-3-(1-methyl-1-phenylethyl)urea								
	diclocymet								
139920-32-4	(RS)-2-cyano-N-[(R)-1-(2,4-dichlorophenyl)ethyl]-3,3-dimethylbutyramide								
	tralomethrin								
66841-25-6	(S)-alpha-cyano-3-phenoxybenzyl (1R,3S)-2,2-dimethyl-3-(1,2,2,2-tetrabromoethyl)cyclopropanecarboxylate								
	cymoxanil								
57966-95-7	trans-1-(2-cyano-2-methoxyiminoacetyl)-3-ethylurea								
	cartap								
15263-53-3	1,3-dicarbamoylthio-2-(N,N-dimethylamino)-propane								
	iprodione								
36734-19-7	3-(3,5-dichlorophenyl)-N-isopropyl-2,4-dioxoimidazolidine-1-carboxamide								
	tetraconazole								
112281-77-3	(RS)-2-(2,4-dichlorophenyl)-3-(1H-1,2,4-triazol-1-yl)propyl 1,1,2,2-tetrafluoroethyl ether								
	oxaziclomefone								
153197-14-9	3-[1-(3,5-dichlorophenyl)-1-methylethyl]-3,4-dihydro-6-methyl-5-phenyl-2H-1,3-oxazin-4-one								
	pyrazoxyfen								
71561-11-0	2-[4-(2,4-dichlorobenzoyl)-1,3-dimethyl-5-pyrazolyloxy]acetophenone								
	pyrazolynate								
58011-68-0	4-(2,4-dichlorobenzoyl)-1,3-dimethyl-5-pyrazolyl 4-toluenesulfonate								
	dithianon								
3347-22-6	2,3-dicyano-1,4-dithiaanthraquinone								
	isoprothiolane								
50512-35-1	diisopropyl 1,3-dithiolan-2-ylidenemalonate								
	carbosulfan								

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55285-14-8	2,3-dihydro-2,2-dimethyl-7-benzo[b]furyl N-(dibutylamino)thio-N-methylcarbamate								
	thiocyclam								
31895-21-3	5-dimethylamino-1,2,3-trithiane								
	benfuracarb								
82560-54-1	2,2-dimethyl-2,3-dihydro-1-benzofuran-7-yl N-[N-(2-ethoxycarbonylethyl)-N-isopropylsulfenamoyl]-N-methylcarbamate								
	ioxynil octanoate								
3861-47-0	3,5-diiodo-4-octanoyloxybenzonitrile								
	phthalide								
27355-22-2	4,5,6,7-tetrachloroisobenzofuran-1(3H)-one								
	tefluthrin								
79538-32-2	2,3,5,6-tetrafluoro-4-methylbenzyl(Z)-3-(2-chloro-3,3,3-trifluoro-1-propenyl)-2,2-dimethylcyclopropanecarboxylate								
	cadusafos								
95465-99-9	S,S-bis(1-methylpropyl) O-ethyl phosphorodithioate								
	buprofezin								
69327-76-0	2-tert-butylimino-3-isopropyl-5-phenyltetrahydro-4H-1,3,5-thiadiazin-4-one								
	tebufenozide								
112410-23-8	N-tert-butyl-N'-(4-ethylbenzoyl)-3,5-dimethylbenzohydrazide								
	diafenthiuron								
80060-09-9	1-tert-Butyl-3-(2,6-diisopropyl-4-phenoxyphenyl)thiourea								
	fenpyroximate								
134098-61-6	tert-butyl 4-({[(1,3-dimethyl-5-phenoxy-4-pyrazolyl)methylidene]aminooxy}methyl)benzoate								
	pyridaben								
96489-71-3	2-tert-butyl-5-(4-tert-butylbenzylthio)-4-chloro-3(2H)-pyridazinone								
	butachlor								
23184-66-9	N-butoxymethyl-2-chloro-2',6'-diethylacetanilide								
	ferimzone								
89269-64-7	(Z)-2'-methylacetophenone 4,6-dimethyl-2-pyrimidinylhydrazone								
	indoxacarb								
173584-44-6	methyl (S)-7-chloro-2,3,4a,5-tetrahydro-2-[methoxycarbonyl(4-trifluoromethoxyphenyl)carbamoyl]indeno[1,2-e][1,3,4]oxadiazine-4a-carboxylate								
	azoxystrobin								
131860-33-8	methyl (E)-2-[2-[6-(2-cyanophenoxy)pyrimidin-4-yloxy]phenyl]-3-methoxyacrylate								
	carbam								
144-54-7	N-methyldithiocarbamic acid								
	oxamyl								
23135-22-0	methyl-N',N'-dimethyl-N-[(methylcarbamoyl)oxy]-1-thiooxamimidate								
	pyriminobac-methyl								
136191-64-5	methyl 2-(4,6-dimethoxy-2-pyrimizinyloxy)-6-[1-(methoxyimino)ethyl]benzoate								
	mepronil								
55814-41-0	2-methyl-N-[3-(1-methylethoxy)phenyl]benzamide								
	methomyl								
16752-77-5	S-methyl-N-(methylcarbamoyloxy)thioacetimidate								
	trifloxystrobin								
141517-21-7	methyl (E)-methoxyimino-[2-[[[[(E)-1-[3-(trifluoromethyl)phenyl]ethylidene]amino]oxy]methyl]phenyl]acetate								
	kresoxim-methyl								
143390-89-0	methyl (E)-methoxyimino[2-(o-tolyloxymethyl)phenyl]acetate								
	phenmedipham								
13684-63-4	3-methoxycarbonylaminophenyl 3'-methylcarbanilate								
	pyributicarb								
88678-67-5	O-3-tert-butylphenyl N-(6-methoxy-2-pyridyl)-N-methylthiocarbamate								
	Chlorfenvinphos								
470-90-8	Chlorfenvinphos	-	1	1	-	1	1	10,000	5
	Chlorpyrifos								
5598-13-0	Chlorpyrifos methyl [O,O-Dimethyl-O-(3,5,6-trichloro-2-pyridyl)phosphorothioate]								
2921-88-2	Chlorpyrifos	-	1	1	-	1	1	10,000	5
	Endosulphan								
115-29-7	Endosulphan / 6,7,8,9,10,10-hexachloro-1,5,5a,6,9,9a-hexahydro-6,9-methano-2,4,3-benzodioxathiepine 3-oxide	-	1	1	-	1	1	10,000	5
	Hexachlorocyclohexane								
608-73-1	1,2,3,4,5, 6-hexachlorocyclohexane (HCH)	10	1	1	10	1	1	10	1
	Isodrin								
465-73-6	Isodrin	-	1	-					
	Isoproturon								
34123-59-6	Isoproturon	-	1	1	-	1	1	10,000	5
	2,4-D								
94-75-7	2,4-D (2,4-dichlorophenoxyacetic acid) / 2,4-PA								
2702-72-9	2,4-D sodium salt								
	2,4-D esters								
94-80-4	2,4-D butyl ester								
01928-43-4	2,4-D 2-ethylhexyl ester								
94-11-1	2,4-D isopropyl ester								
01929-73-3	2,4-D butoxyethyl ester								
1320-18-9	2,4-D propylene glycol butyl ether ester								

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53404-37-8	2,4-D 2-ethyl-4-methylpentyl ester								
	2,4-DP								
120-36-5	2,4-DP								
	2,4-DB								
94-82-6	2,4-DB								
	Dicofol								
115-32-2	Dicofol [Benzenemethanol, 4-chloro-.alpha.-4-(chlorophenyl)-.alpha.-(trichloromethyl)-]								
	Glyoxal								
107-22-2	Glyoxal								
	Methoxone								
94-74-6	Methoxone ((4-chloro-2-methylphenoxy)acetic acid) / MCP / MCPA								
3653-48-3	Methoxone sodium salt								
	Pronamide								
23950-58-5	Pronamide (3,5-dichloro-N-(1,1-dimethyl-2-propynyl)benzamide)								
	Pendimethalin								
40487-42-1	Pendimethalin (N-(1-ethylpropyl)-2,6-dinitro-3,4-xylidine)								
	Amitrole								
61-82-5	Amitrole (3-amino-1H-1,2,4-triazole)								
	Naled								
300-76-5	Naled (1,2-dibromo-2,2-dichloroethyl dimethyl phosphate)								
	Quintozene								
82-68-8	Quintozene (pentachloronitrobenzene)								
	Linuron								
330-55-2	Linuron (3-(3,4-dichlorophenyl)-1-methoxy-1-methylurea)								
	Diazinon								
333-41-5	Diazinon (O,O-diethyl O-2-isopropyl-6-methyl-4-pyrimidinyl phosphorothioate)								
	Dazomet								
533-74-4	Dazomet (2-thiono-3,5-dimethyltetrahydro-2H-1,3,5-thiadiazine)								
53404-60-7	Dazomet, sodium salt								
	Trichlorfon								
52-68-6	Trichlorfon (dimethyl 2,2,2-trichloro-1-hydroxyethylphosphonate)								
	Benomyl								
17804-35-2	Benomyl (methyl N-[1-(N-n-butylcarbamoyl)-1H-2-benzimidazolyl]carbamate)								
	Thiobencarb								
28249-77-6	Thiobencarb (S-4-chlorobenzyl N,N-diethylthiocarbamate)								
	Amitraz								
33089-61-1	Amitraz (3-methyl-1,5-di(2,4-xylyl)-1,3,5-triazapenta-1,4-diene)								
	Propanil								
709-98-8	Propanil (3',4'-dichloropropionanilide)								
	Sulprofos								
35400-43-2	Sulprofos (O-ethyl O-4-(methylthio)phenyl S-n-propyl phosphorodithioate)								
	Profenofos								
41198-08-7	Profenofos (O-4-bromo-2-chlorophenyl O-ethyl S-propyl phosphorothioate)								
	Permethrin								
52645-53-1	Permethrin (3-phenoxybenzyl 3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate)								
	Quizalofop-ethyl								
76578-14-8	Quizalofop-ethyl (ethyl 2-[4-(6-chloro-2-quinoxalinyloxy)phenoxy]propionate)								
	Dichlorvos / DDVP								
62-73-7	Dichlorvos (dimethyl 2,2-dichlorovinyl phosphate)								
	Chloropicrin								
76-06-2	Chloropicrin (trichloronitromethane)								
	Carbaryl / NAC								
63-25-2	Carbaryl (1-naphthyl N-methylcarbamate)								
	Chlorothalonil								
1897-45-6	Chlorothalonil (tetrachloroisophthalonitrile)								
	Paraquat dichloride / paraquat								
1910-42-5	Paraquat dichloride (1,1'-dimethyl-4,4'-bipyridinium dichloride)								
	fenitrothion / MEP								
122-14-5	fenitrothion (O,O-dimethyl O-3-methyl-4-nitrophenyl phosphorothioate)								
	Fenthion								
55-38-9	Fenthion (O,O-dimethyl O-3-methyl-4-nitrophenyl phosphorothioate)								
	Molinate								
2212-67-1	Molinate (S-ethyl hexahydro-1H-azepine-1-carbothioate)								
	Propargite / BPPS								
2312-35-8	Propargite (2-(4-tert-butylphenoxy)cyclohexyl 2-propynyl sulfite)								
	Chinomethionat								
2439-01-2	Chinomethionat (6-methyl-1,3-dithiolo[4,5-b]quinoxalin-2-one)								
	Famphur								
52-85-7	Famphur								
	Tebuthiuron								
34014-18-1	Tebuthiuron								
	Sethoxydim								
74051-80-2	Sethoxydim								
	Thiodicarb								
59669-26-0	Thiodicarb / 3,7,9,13-tetramethyl-5,11-dioxa-2,8,14-trithia-4,7,9,12-tetraazapentadeca-3,12-diene-6,10-dione								

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	Mecoprop								
93-65-2	Mecoprop								
	Aldicarb								
116-06-3	Aldicarb								
	Captan								
133-06-2	Captan								
	Folpet								
133-07-3	Folpet								
	Chloramben								
133-90-4	Chloramben								
	Ferbam								
14484-64-1	Ferbam								
	Parathion								
56-38-2	Parathion								
298-00-0	Methylparathion								
	Pirimiphos methyl								
29232-93-7	Pirimiphos methyl / O-2-diethylamino-6-methylpyrimidin-4-yl O,O-dimethyl phosphorothioate								
	Diflubenzuron								
35367-38-5	Diflubenzuron								
	Metham sodium								
137-42-8	Metham sodium								
	Fenpropathrin								
39515-41-8	Fenpropathrin / (RS)-alpha-cyano-3-phenoxybenzyl 2,2,3,3-tetramethylcyclopropanecarboxylate								
	Hydramethylnon								
67485-29-4	Hydramethylnon								
	Abamectin								
71751-41-2	Abamectin								
	Lactofen								
77501-63-4	Lactofen								
	Nabam								
142-59-6	Nabam								
	Thiabendazole								
148-79-8	Thiabendazole								
	Merphos								
150-50-5	Merphos								
	Monuron								
150-68-5	Monuron								
	Methoxychlor								
72-43-5	Methoxychlor								
	Tetramethrin								
7696-12-0	Tetramethrin / cyclohex-1-ene-1,2-dicarboximidomethyl (1RS)-cis-trans-2,2-dimethyl-3-(2-methylprop-1-enyl)cyclopropanecarboxylate								
	Resmethrin								
10453-86-8	Resmethrin								
	Ethoprop								
13194-48-4	Ethoprop								
	Oxydemeton methyl								
301-12-2	Oxydemeton methyl								
	Desmedipham								
13684-56-5	Desmedipham								
	Oryzalin								
19044-88-3	Oryzalin								
	Bromacil								
314-40-9	Bromacil / 5-bromo-3-sec-butyl-6-methyl-1,2,3,4-tetrahydropyrimidine-2,4-dione								
53404-19-6	Bromacil, lithium salt								
	Bendiocarb								
22781-23-3	Bendiocarb								
	Phenothrin								
26002-80-2	Phenothrin								
	Triforine								
26644-46-2	Triforine								
	Propetamphos								
31218-83-4	Propetamphos								
	Imazalil								
35554-44-0	Imazalil								
	Triadimefon								
43121-43-3	Triadimefon								
	Triclopyr								
55335-06-3	(3,5,6-trichloro-2-pyridyl)oxyacetic acid (Triclopyr)								
57213-69-1	Triclopyr triethylammonium salt								
	Propiconazole								
60207-90-1	Propiconazole / mixture of (2RS,4RS)-1-[2-(2,4-dichlorophenyl)-4-propyl-1,3-dioxolan-2-ylmethyl]-1H-1,2,4-triazole and (2RS,4SR)-1-[2-(2,4-dichlorophenyl)-4-propyl-1,3-dioxolan-2-ylmethyl]-1H-1,2,4-triazole								
	Cyfluthrin								
68359-37-5	Cyfluthrin								
	Fluazifop butyl								
69806-50-4	Fluazifop butyl								
	Fenoxycarb								
72490-01-8	Fenoxycarb								

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	Chlorobenzilate								
510-15-6	Chlorobenzilate								
	Bifenthrin								
82657-04-3	Bifenthrin								
	Terbacil								
5902-51-2	Terbacil								
	Mevinphos								
7786-34-7	Mevinphos								
	Metiram								
9006-42-2	Metiram								
	Ametryn								
834-12-8	Ametryn								
	Diphenamid								
957-51-7	Diphenamid								
	Pebulate								
1114-71-2	Pebulate								
	Cycloate								
1134-23-2	Cycloate								
	Methazole								
20354-26-1	Methazole								
	Cyanazine								
21725-46-2	Cyanazine								
	Isofenphos								
25311-71-1	Isofenphos								
	Norflurazon								
27314-13-2	Norflurazon								
	Bromoxynil								
1689-84-5	Bromoxynil								
1689-99-2	Bromoxynil octanoate								
	Nitrofen								
1836-75-5	Nitrofen								
	Diethatyl ethyl								
38727-55-8	Diethatyl ethyl								
	Benfluralin								
1861-40-1	Benfluralin								
	Dinocap								
39300-45-3	Dinocap								
	Oxyfluorfen								
42874-03-3	Oxyfluorfen								
	Dicamba								
1918-00-9	Dicamba								
1982-69-0	Sodium dicamba								
2300-66-5	Dimethylamine dicamba								
	Vinclozolin								
50471-44-8	Vinclozolin / (RS)-3-(3,5-dichlorophenyl)-5-methyl-5-vinyl-1,3-oxazolidine-2,4-dione								
	Picloram								
1918-02-1	Picloram								
	Propachlor								
1918-16-7	Propachlor								
	Hexazinone								
51235-04-2	Hexazinone								
	Diclofop methyl								
51338-27-3	Diclofop methyl								
	Nitrapyrin								
1929-82-4	Nitrapyrin								
	Dimethipin								
55290-64-7	Dimethipin								
	Methiocarb								
2032-65-7	Methiocarb								
	Fenarimol								
60168-88-9	Fenarimol								
	Acifluorfen, sodium salt								
62476-59-9	Acifluorfen, sodium salt								
	Chlorsulfuron								
64902-72-3	Chlorsulfuron								
	Dipotassium endothall								
2164-07-0	Dipotassium endothall								
	Fenoxaprop ethyl								
66441-23-4	Fenoxaprop ethyl								
	Fluometuron								
2164-17-2	Fluometuron								
	Cyhalothrin								
68085-85-8	Cyhalothrin								
	Fluvalinate								
69409-94-5	Fluvalinate								
	Fomesafen								
72178-02-0	Fomesafen								
	Allate								
2303-16-4	Diallate								
2303-17-5	Triallate								
	Anilazine								
101-05-3	Anilazine								
	Myclobutanil								

Pollutant		Thresholds, EU: E-PRTR			Thresholds, Kiev Protocol Implementation Guidelines				
CAS Number	Pollutant Name	Release to Air (kg/year)	Release to Water (kg/year)	Release to Land (kg/year)	Release to Air (kg/year)	Release to Water (kg/year)	Release to Land (kg/year)	Manufacture, Process or Use (kg/year)	Off-Site Transfers
88671-89-0	Myclobutanil / 2-(4-chlorophenyl)-2-(1H-1,2,4-triazol-1-ylmethyl)hexanenitrile								
	Dodine								
2439-10-3	Dodine								
	Chlorimuron ethyl								
90982-32-4	Chlorimuron ethyl								
	Tribenuron methyl								
101200-48-0	Tribenuron methyl								
	Temephos								
3383-96-8	Temephos								
	Fenvalerate								
51630-58-1	Fenvalerate (α-cyano-3-phenoxybenzyl 2-(4-chlorophenyl)-3-methylbutyrate)								
	Propoxur								
114-26-1	Propoxur (2-isopropoxyphenyl N-methylcarbamate)								
	Malathion / malathon								
121-75-5	Malathion (O,O-dimethyl S-1,2-bis(ethoxycarbonyl)ethyl phosphorodithioate)								
	Dimethoate								
60-51-5	Dimethoate (O,O-dimethyl S-(N-methylcarbamoyl)methyl phosphorodithioate)								
	Hexachlorophene								
70-30-4	Hexachlorophene								
	Methyl isothiocyanate								
556-61-6	Methyl isothiocyanate								
	Thiophanate								
23564-05-8	Thiophanate methyl / dimethyl 4,4'-(o-phenylene)bis(3-thioallophanate)								
23564-06-9	Thiophanate ethyl								
	Cyhalofop / cyhalofop-butyl								
122008-85-9	butyl (R)-2-[4-(4-cyano-2-fluorophenoxy)phenoxy]propionate								
	Disulfuton / ethylthiometon								
298-04-4	O,O-diethyl S-2-(ethylthio)ethyl phosphorodithioate								
	Fenothiocarb								
62850-32-2	S-4-phenoxybutyl N,N-dimethylthiocarbamate								
	Halosulfuron-Methyl								
100784-20-1	methyl 3-chloro-5-(4,6-dimethoxy-2-pyrimidinylcarbamoylsulfamoyl)-1-methylpyrazole-4-carboxylate								
	Fumazone								
96-12-8	1,2-dibromo3-chloropropane								
	Difenoconazole								
119446-68-3	1-{[2-[2-chloro-4-(4-chlorophenoxy)phenyl]-4-methyl-1,3-dioxolan-2-yl}methyl)-1H-1,2,4-triazole								
	Prothiofos								
34643-46-4	O-2,4-dichlorophenyl O-ethyl S-propyl phosphorodithioate								
	Dichlorophene								
97-23-4	Dichlorophene								
	Bromol								
118-79-6	2,4,6-tribromophenol								
	Prometryn								
7287-19-6	Prometryn								
	Dichloran								
99-30-9	Dichloran								
	Maneb								
12427-38-2	Maneb [Carbamodithioic acid, 1,2-ethanediylbis-,manganese complex] / manganese N,N'-ethylenebis(dithiocarbamate) (Jpn)								
	Methidathion / DMTP								
950-37-8	S-(2,3-dihydro-5-methoxy-2-oxo-1,3,4-thiadiazol-3-yl)methyl O,O-dimethyl phosphorodithioate								
	Tetrachlorvinphos								
961-11-5	Tetrachlorvinphos								
	Isoxathion								
18854-01-8	O,O-diethyl O-5-phenyl-3-isoxazolyl phosphorothioate								
	Kitazin P / iprobenfos / IBP								
26087-47-8	S-benzyl O,O-diisopropyl phosphorothioate								
	dichlobenil / DBN								
1194-65-6	2,6-dichlorobenzonitrile								
	Edifenphos / EDDP								
17109-49-8	O-ethyl S,S-diphenyl phosphorodithioate								
	Pyraclofos								
77458-01-6	O-1-(4-chlorophenyl)-4-pyrazolyl O-ethyl S-propyl phosphorothioate								
	Oxidiazon								
19666-30-9	Oxidiazon / 5-tert-butyl-3-(2,4-dichloro-5-isopropoxyphenyl)-1,3,4-oxadiazol-2(3H)-one								
	Acephate								
30560-19-1	Acephate / (RS)-O,S-dimethyl acetylphosphoramidothioate								
	Metacide 38								
35691-65-7	1-bromo-1-(bromomethyl)-1,3-propanedicarbonitrile								
	Metolachlor								
51218-45-2	2-chloro-2'-ethyl-N-(2-methoxy-1-methylethyl)-6'-methylacetanilide								
	3-iodo-2-propynyl butylcarbamate								
55406-53-6	3-iodo-2-propynyl butylcarbamate								
	Mefenacet								
73250-68-7	2-(2-benzothiazolyloxy)-N-methylacetanilide								

Long Chemical List

Pollutant		Thresholds, EU: E-PRTR			Thresholds, Kiev Protocol Implementation Guidelines				
CAS Number	Pollutant Name	Release to Air (kg/year)	Release to Water (kg/year)	Release to Land (kg/year)	Release to Air (kg/year)	Release to Water (kg/year)	Release to Land (kg/year)	Manufacture, Process or Use (kg/year)	Off-Site Transfers
	Clofentezine								
74115-24-5	3,6-bis(2-chlorophenyl)-1,2,4,5-tetrazine								
	Phosalone								
2310-17-0	O,O-diethyl S-(6-chloro-2,3-dihydro-2-oxobenzoxazolinyl)methyl phosphorodithioate								
	Carbofuran								
1563-66-2	Carbofuran / 2,3-dihydro-2,2-dimethyl-7-benzo[b]furanyl N-methylcarbamate								
	Phenthoate / PAP								
2597-03-7	ethyl 2-[(dimethoxyphosphinothioyl)thio]-2-phenylacetate								
	Tebufenpyrad								
119168-77-3	N-(4-tert-butylbenzyl)-4-chloro-3-ethyl-1-methylpyrazole-5-carboxamide								
	Cafenstrole								
125306-83-4	N,N-diethyl-3-(2,4,6-trimethylphenylsulfonyl)-1H-1,2,4-triazole-1-carboxamide								
	Fipronil								
120068-37-3	5-amino-1-[2,6-dichloro-4-(trifluoromethyl)phenyl]-3-cyano-4-[(trifluoromethyl)sulfinyl]pyrazole								
	Isoprocarb / MIPC								
2631-40-5	2-isopropylphenyl N-methylcarbamate								
	Landrin								
2655-15-4	2,3,5-trimethylphenyl methylcarbamate								
	2,4-D chlorocrotyl ester								
2971-38-2	2,4-D chlorocrotyl ester								
	Fenobucarb / BPMC								
3766-81-2	2-sec-butylphenyl N-methylcarbamate								
	D-trans-allethrin								
28057-48-9	D-trans-allethrin								
	Dowicil 200								
4080-31-3	1-(3-chloroallyl)-3,5,7-triaza-1-azoniaadamantane chloride								
	N-nitrosomethylvinylamine								
4549-40-0	N-nitrosomethylvinylamine								
	Carboxin								
5234-68-4	Carboxin								
	Thiram								
137-26-8	Thiram (tetramethylthiuram disulfide)								
	Sodium fluoroacetate								
62-74-8	Sodium fluoroacetate								
	Beta-propiolactone								
57-57-8	Beta-propiolactone								
	Dipropyl isocinchomeronate								
136-45-8	Dipropyl isocinchomeronate								
Colors and dyes									
	C.I. Fluorescent 260								
16090-02-1	disodium2,2'-vinylenebis[5-(4-morpholino-6-anilino-1,3,5-triazin-2-ylamino)benzenesulfonate]								
	5'-[N,N-bis(2-acetyloxyethyl)amino]-2'-(2-bromo-4,6-dinitrophenylazo)-4'-methoxyacetanilide								
3618-72-2	5'-[N,N-bis(2-acetyloxyethyl)amino]-2'-(2-bromo-4,6-dinitrophenylazo)-4'-methoxyacetanilide								
	C.I. Food Red								
3761-53-3	C.I. Food Red 5								
81-88-9	C.I. Food Red 15								
	C.I. Solvent Yellow								
60-09-3	C.I. Solvent Yellow 3 / 4-aminoazobenzene								
97-56-3	C.I. Solvent Yellow 3								
492-80-8	C.I. Solvent Yellow 34								
842-07-9	C.I. Solvent Yellow 14								
	C.I. Basic Green								
569-64-2	C.I. Basic Green 4								
	C.I. Vat Yellow								
128-66-5	C.I. Vat Yellow 4								
	C.I. Basic Red								
989-38-8	C.I. Basic Red 1								
	C.I. Direct Black								
1937-37-7	C.I. Direct Black 38								
	C.I. Direct Blue								
2602-46-2	C.I. Direct Blue 6								
28407-37-6	C.I. Direct Blue 218								
	C.I. Disperse Yellow								
2832-40-8	C.I. Disperse Yellow 3								
	C.I. Solvent Orange								
3118-97-6	C.I. Solvent Orange 7								
	C.I. Acid Green								
4680-78-8	C.I. Acid Green 3								
	C.I. Acid Red								
6459-94-5	C.I. Acid Red 114								
	C.I. Direct Brown								
16071-86-6	C.I. Direct Brown 95								
	Trypan blue								
72-57-1	Trypan blue								
Active pharmaceutical ingredient (API)									
	Fluorouracil								
51-21-8	Fluorouracil								

Pollutant		Thresholds, EU: E-PRTR			Thresholds, Kiev Protocol Implementation Guidelines				
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	disulfiram								
97-77-8	tetraethylthiuram disulfide / disulfiram								
	Nicotine								
LCL-108	Nicotine and salts								
	Phenytoin								
57-41-0	Phenytoin								
	Pentobarbital sodium								
57-33-0	Pentobarbital sodium								
	Tetracycline hydrochloride								
64-75-5	Tetracycline hydrochloride								
	Triaziquone								
68-76-8	Triaziquone								
	Warfarin								
LCL-109	Warfarin and salts								
Non-grouped organic substances									
75-08-1	ethanethiol								
25103-58-6	tert-dodecanethiol								
420-04-2	cyanamide								
17796-82-6	N-(cyclohexylthio)phthalimide								
4979-32-2	N,N-dicyclohexyl-2-benzothiazolesulfenamide								
505-32-8	3,7,11,15-tetramethylhexadec-1-en-3-ol / isophytol								
112-57-2	3,6,9-triazaundecane-1,11-diamine / tetraethylenepentamine								
112-24-3	triethylenetetramine								
99-76-3	methyl 4-hydroxybenzoate								
103-90-2	N-(4-hydroxyphenyl)acetamide								
941-69-5	N-phenylmaleimide								
2426-08-6	n-butyl-2,3-epoxypropyl ether								
25013-16-5	butylhydroxyanisole / BHA								
LCL-110	water-soluble salts of peroxodisulfuric acid								
674-82-8	4-methylideneoxetan-2-one								
3268-49-3	3-methylthiopropanal								
110-91-8	morpholine								
78-42-2	tris(2-ethylhexyl) phosphate								
1330-78-5	tritolyl phosphate								
115-86-6	triphenyl phosphate								
552-30-7	1,2,4-benzenetricarboxylic 1,2-anhydride								
100-97-0	1,3,5,7-tetraazatricyclo[3.3.1.13.7]decane / hexamethylenetetramine								
100-37-8	2-(diethylamino)ethanol								
4162-45-2	2,2'-{isopropylidenebis[(2,6-dibromo-4,1-phenylene)oxy]}diethanol								
78-67-1	2,2'-azobisisobutyronitrile								
541-53-7	2,4-Dithiobiuret								
53-96-3	2-acetylaminofluorene								
141-43-5	2-aminoethanol								
75-86-5	2-methyllactonitrile / acetone cyanohydrin								
101-80-4	4,4'-Diaminodiphenyl ether								
101-61-1	4,4'-methylenebis(N,N-dimethyl)benzeneamine								
92-67-1	4-aminobiphenyl								
60-11-7	4-dimethylaminoazobenzene								
92-93-3	4-nitrobiphenyl								
100-40-3	4-vinyl-1-cyclohexene								
60-35-5	Acetamide								
134-32-7	alpha-naphthylamine								
55-21-0	Benzamide								
91-59-8	beta-naphthylamine								
111-44-4	Bis(2-chloroethyl) ether								
542-88-1	Bis(chloromethyl)ether								
107-30-2	Chloromethyl methyl ether								
115-10-6	Dimethylether								
123-86-4	Butyl acetate:n-								
LCL-111	Dihydronapthalene (all isomers)								
7379-12-6	Methyl-3-hexanone,2-								
27133-93-3	Methylindan (all isomers)								
103-71-9	Phenyl isocyanate								
420-56-4	Trimethylfluorosilane								
135-20-6	Cupferron								
132-64-9	Dibenzofuran								
101-90-6	Diglycidyl resorcinol ether / 1,3-bis[(2,3-epoxypropyl)oxy]benzene								
138-93-2	Disodium cyanodithioimidocarbonate								
759-94-4	Ethyl dipropylthiocarbamate								
112-02-7	hexadecyltrimethylammonium chloride								
124-09-4	hexamethylenediamine								
680-31-9	Hexamethylphosphoramide								
74-93-1	Methyl mercaptan (methanethiol) (USA: on TRI list, but reporting requirements currently suspended)								
109-77-3	Malononitrile								
79-22-1	Methyl chlorocarbonate								
624-83-9	Methyl isocyanate								
95-31-8	N-(tert-butyl)-2-benzothiazolesulfenamide								
1643-20-5	N,N-dimethyldodecylamine N-oxide								
924-42-5	N-Methylolacrylamide								
55-18-5	N-nitrosodiethylamine								
62-75-9	N-nitrosodimethylamine								
924-16-3	N-nitrosodi-N-butylamine								
621-64-7	N-nitrosodi-N-propylamine								
59-89-2	N-nitrosomorpholine								
759-73-9	N-nitroso-N-ethylurea								
684-93-5	N-nitroso-N-methylurea								
16543-55-8	N-nitrosonornicotine								
100-75-4	N-nitrosopiperidine								

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Pollutant		Thresholds, EU: E-PRTR			Thresholds, Kiev Protocol Implementation Guidelines				
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104-12-1	P-chlorophenyl isocyanate								
110-85-0	Piperazine								
51-03-6	Piperonyl butoxide								
1120-71-4	Propane sultone								
78-48-8	S,S,S-tributyltrithiophosphate								
81-07-2	Saccharin (Manufacturing, no supplier notification)								
132-27-4	Sodium O-phenylphenoxide								
11070-44-3	Tetrahydromethylphthalic anhydride								
62-55-5	Thioacetamide								
79-19-6	Thiosemicarbazide								
126-73-8	tri-n-butyl phosphate								
115-96-8	Tris(2-chloroethyl) phosphate								
51-79-6	Urethane								
105-60-2	ε-caprolactam								

Pollutant		Thresholds, Japan: PRTR			Thresholds, US: TRI				
CAS Number	Pollutant Name	Chemical Category	Usage (kg/year)	Concentration	Manufacture (kg/year)	Process (kg/year)	Otherwise Use (kg/year)	De Minimis % Limit	Caveats/ Notes
Persistent Organic Pollutants (POPs)									
	Pesticides								
309-00-2	Aldrin				45	45	45	‡	
57-74-9	Chlordane				5	5	5	‡	
50-29-3	DDT / 1,1,1-trichloro-2,2-bis(4-chlorophenyl)ethane								
60-57-1	Dieldrin								
72-20-8	Endrin								
76-44-8	Heptachlor				5	5	5	‡	
2385-85-5	Mirex								
8001-35-2	Toxaphene				5	5	5	‡	
319-84-6	alpha-hexachlorocyclohexane				11,340	11,340	4,536	0.1%	
319-85-7	beta-hexachlorocyclohexane								
58-89-9	Lindane (E-PRTR) / gamma-hexachlorocyclohexane / Lindane [Cyclohexane, 1,2,3,4,5,6-hexachloro-,(1.alpha.,2.alpha.,3.beta.,4.alpha.,5.alpha.,6.beta.)-] (USA)				11,340	11,340	4,536	0.1%	
143-50-0	Chlordecone								
608-93-5	Pentachlorobenzene				5	5	5	‡	
	Industrial chemicals								
118-74-1	Hexachlorobenzene (HCB)				5	5	5	‡	
1336-36-3	Polychlorinated biphenyls (PCBs)	I	1000	1%	5	5	5	‡	
36355-01-8	Hexabromobiphenyl / USA: listed in TRI as member of Polybrominated Biphenyls (PBBs)								
68631-49-2	2,2',4,4',5,5'-hexabromodiphenyl ether (BDE-153), as Hexabromodiphenyl ether and heptabromodiphenyl ether (commercial octabromodiphenyl ether)								
207122-15-4	2,2',4,4',5,6'-hexabromodiphenyl ether (BDE-154), as Hexabromodiphenyl ether and heptabromodiphenyl ether (commercial octabromodiphenyl ether)								
446255-22-7	2,2',3,3',4,5',6-heptabromodiphenyl ether (BDE-175), as Hexabromodiphenyl ether and heptabromodiphenyl ether (commercial octabromodiphenyl ether)								
207122-16-5	2,2',3,4,4',5',6-heptabromodiphenyl ether (BDE-183), as Hexabromodiphenyl ether and heptabromodiphenyl ether (commercial octabromodiphenyl ether)								
5436-43-1	Tetrabromodiphenyl ether, as Tetrabromodiphenyl ether and pentabromodiphenyl ether (commercial pentabromodiphenyl ether)								
60348-60-9	Pentabromodiphenyl ether, as Tetrabromodiphenyl ether and pentabromodiphenyl ether (commercial pentabromodiphenyl ether)								
LCL-1	Perfluorooctane sulfonic acid (PFOS), its salts and perfluorooctane sulfonyl fluoride (PFOS-F) / Jpn: perfluoro(octane-1-sulfonic acid)	I	1000	1%					
	Polychlorinated dioxins and furans								
LCL-2	Dioxins and furans / Polychlorinated dioxins and furans (as TEQ) / Dioxin and Dioxin-Like Compounds (Cdn: Facilities are required to report to the NPRI on individual dioxin and furan congeners in grams, unless information is not available. In this case, facilities are required to report on total dioxins and furans in grams toxic equivalent (I-TEQ))				0.0001	0.0001	0.0001	‡	
LCL-3	Dioxins (Jpn: in accordance with WHO: The chemical name for dioxin is: 2,3,7,8- tetrachlorodibenzo para dioxin (TCDD). The name "dioxins" is often used for the family of structurally and chemically related polychlorinated dibenzo para dioxins (PCDDs) and polychlorinated dibenzofurans (PCDFs). Certain dioxin-like polychlorinated biphenyls (PCBs) with similar toxic properties are also included under the term “dioxins”. Some 419 types of dioxin-related compounds have been identified but only about 30 of these are considered to have significant toxicity, with TCDD being the most toxic.	S	500	0.1%					
67562-39-4	1,2,3,4,6,7,8-Heptachlorodibenzofuran (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category				0.0001	0.0001	0.0001	‡	
55673-89-7	1,2,3,4,7,8,9-Heptachlorodibenzofuran (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category				0.0001	0.0001	0.0001	‡	
35822-46-9	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category				0.0001	0.0001	0.0001	‡	
70648-26-9	1,2,3,4,7,8-Hexachlorodibenzofuran (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category				0.0001	0.0001	0.0001	‡	
72918-21-9	1,2,3,7,8,9-Hexachlorodibenzofuran (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category				0.0001	0.0001	0.0001	‡	
57117-44-9	1,2,3,6,7,8-Hexachlorodibenzofuran (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category				0.0001	0.0001	0.0001	‡	
60851-34-5	2,3,4,6,7,8-Hexachlorodibenzofuran (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category				0.0001	0.0001	0.0001	‡	
39227-28-6	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category				0.0001	0.0001	0.0001	‡	
19408-74-3	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category				0.0001	0.0001	0.0001	‡	
57653-85-7	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category				0.0001	0.0001	0.0001	‡	
39001-02-0	Octachlorodibenzofuran (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category				0.0001	0.0001	0.0001	‡	

Long Chemical List

Pollutant		Thresholds, Japan: PRTR			Thresholds, US: TRI				
CAS Number	Pollutant Name	Chemical Category	Usage (kg/year)	Concentration	Manufacture (kg/year)	Process (kg/year)	Otherwise Use (kg/year)	De Minimis % Limit	Caveats/ Notes
3268-87-9	Octachlorodibenzo-p-dioxin (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category				0.0001	0.0001	0.0001	‡	
57117-31-4	2,3,4,7,8-Pentachlorodibenzofuran (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category				0.0001	0.0001	0.0001	‡	
57117-41-6	1,2,3,7,8-Pentachlorodibenzofuran (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category				0.0001	0.0001	0.0001	‡	
40321-76-4	1,2,3,7,8-Pentachlorodibenzo-p-dioxin (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category				0.0001	0.0001	0.0001	‡	
51207-31-9	2,3,7,8-Tetrachlorodibenzofuran (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category				0.0001	0.0001	0.0001	‡	
1746-01-6	2,3,7,8-Tetrachlorodibenzo-p-dioxin (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category				0.0001	0.0001	0.0001	‡	
Metals									
	Antimony and its compounds								
7440-36-0	Antimony				11,340	11,340	4,536	1.0%	
LCL-4	Antimony Compounds				11,340	11,340	4,536	1.0%	
LCL-5	Antimony and its compounds	I	1000	1%					
	Arsenic and its compounds								
7440-38-2	Arsenic				11,340	11,340	4,536	0.1%	
LCL-6	Arsenic Compounds				11,340	11,340	4,536	1.0%	
LCL-7	Arsenic and its compounds / Arsenic and compounds (as As)	I	1000	1.0%					
	Boron and its compounds								
LCL-8	Boron & compounds / boron and its compounds /Jpn: Boron compounds	I	1000	1%					
10294-34-5	Boron trichloride				11,340	11,340	4,536	1.0%	
7637-07-2	Boron trifluoride				11,340	11,340	4,536	1.0%	
	Cadmium and its compounds								
7440-43-9	Cadmium				11,340	11,340	4,536	0.1%	
LCL-9	Cadmium Compounds				11,340	11,340	4,536	0.1%	
LCL-10	Cadmium and its compounds / Cadmium and compounds (as Cd)	S	500	0.1%					
	Chromium and its compounds								
LCL-11	Chromium and compounds (as Cr) (E-PRTR: total mass in all chemical forms)								
7440-47-3	Chromium				11,340	11,340	4,536	1.0%	
LCL-12	Chromium Compounds (except chromite ore mined in the Transvaal region)				11,340	11,340	4,536	1.0% or 0.1%	De minimis le
LCL-13	Chromium (and its compounds), excludes hexavalent chromium (and its compounds)								
LCL-14	Chromium III compounds / chromium and chromium(III) compounds	I	1000	1%				1.0%	
LCL-15	Chromium VI compounds / Hexavalent chromium (and its compounds)	S	500	0.1%				0.1%	
	Cobalt and its compounds								
7440-48-4	Cobalt				11,340	11,340	4,536	0.1%	
LCL-16	Cobalt Compounds				11,340	11,340	4,536	1.0% or 0.1%	De minimis le
LCL-17	Cobalt and its compounds	I	1000	1%					
	Copper and its compounds								
7440-50-8	Copper				11,340	11,340	4,536	1.0%	
LCL-18	Copper Compounds				11,340	11,340	4,536	1.0%	
LCL-19	Copper and its compounds / Copper and compounds (as Cu) / (Jpn: copper salts (water-soluble, except complex salts))	I	1000	1%					
10380-28-6	bis(8-quinolinolato)copper (USA: included as "copper compound")	I	1000	1%					
	Lead and its compounds								
7439-92-1	Lead (USA: when lead is contained in stainless steel, brass or bronze alloys the de minimis level is 0.1)	I	1000	1%	45	45	45	‡	When lead is
LCL-20	Lead Compounds	S	500	0.1%	45	45	45	‡	
LCL-21	Lead and its compounds / Lead and compounds as (Pb)								
LCL-22	Lead and its compounds except tetraethyl lead								
78-00-2	Tetraethyl lead (USA: included as "lead compound")								
	Manganese and its compounds								
7439-96-5	Manganese				11,340	11,340	4,536	1.0%	
LCL-23	Manganese Compounds				11,340	11,340	4,536	1.0%	
LCL-24	Manganese and its compounds	I	1000	1%					
	Mercury and its compounds								
7439-97-6	Mercury				5	5	5	‡	
LCL-25	Mercury Compounds				5	5	5	‡	
LCL-26	Mercury and its compounds / Mercury and compounds (as Hg)	I	1000	1%					
	Nickel and its compounds								
7440-02-0	Nickel	I	1000	1%	11,340	11,340	4,536	0.1%	
LCL-27	Nickel Compounds	S	500	0.1%	11,340	11,340	4,536	0.1%	
LCL-28	Nickel and its compounds / Nickel and compounds (as Ni)								
12035-72-2	Nickel subsulfide (USA and Canada: included as "nickel compound")								
13463-39-3	Nickel carbonyl (USA and Canada: included as "nickel compound")								
	Selenium and its compounds								
7782-49-2	Selenium				11,340	11,340	4,536	1.0%	
LCL-29	Selenium Compounds				11,340	11,340	4,536	1.0%	
LCL-30	Selenium and its compounds	I	1000	1%					
	Zinc and its compounds								
7440-66-6	Zinc (fume or dust)				11,340	11,340	4,536	1.0%	
LCL-31	Zinc Compounds				11,340	11,340	4,536	1.0%	
LCL-32	Zinc and its compounds / Zinc and compounds (as Zn) / zinc compounds (water-soluble) (Jpn)	I	1000	1%					

Pollutant		Thresholds, Japan: PRTR			Thresholds, US: TRI				
CAS Number	Pollutant Name	Chemical Category	Usage (kg/year)	Concentration	Manufacture (kg/year)	Process (kg/year)	Otherwise Use (kg/year)	De Minimis % Limit	Caveats/ Notes
137-30-4	zinc bis(N,N'-dimethyldithiocarbamate) (USA: included as "zinc compound") / ziram	I	1000	1%					
12122-67-7	Zineb [Carbamodithioic acid, 1,2-ethanediyibis-, zinc complex]				11,340	11,340	4,536	1.0%	
12071-83-9	polymer of N,N'-propylenebis(dithiocarbamic acid)and zinc / propineb	I	1000	1%					
64440-88-6	N,N'-ethylenebis(thiocarbamoylthiozinc) bis(N,N-dimethyldithiocarbamate) or polymer of N,N'-propylenebis(dithiocarbamic acid) and zinc (USA: included as "zinc compound")	I	1000	1%					
	Beryllium and its compounds								
7440-41-7	Beryllium				11,340	11,340	4,536	0.1%	
LCL-33	Beryllium Compounds				11,340	11,340	4,536	0.1%	
LCL-34	Beryllium and its compounds	S	500	0.1%					
	Silver and its compounds								
7440-22-4	Silver				11,340	11,340	4,536	1.0%	
LCL-35	Silver Compounds				11,340	11,340	4,536	1.0%	
LCL-36	Silver and its compounds / Jpn: water-soluble compounds	I	1000	1%					
	Vanadium and its compounds								
7440-62-2	Vanadium (except when contained in an alloy)				11,340	11,340	4,536	1.0%	
LCL-37	Vanadium compounds	I	1000	1%	11,340	11,340	4,536	1.0%	
	Aluminum and compounds								
7429-90-5	Aluminum (fume or dust)				11,340	11,340	4,536	1.0%	
1344-28-1	Aluminum oxide (fibrous forms)				11,340	11,340	4,536	1.0%	
20859-73-8	Aluminum phosphide	I	1000	1%	11,340	11,340	4,536	1.0%	
	Barium and its compounds								
7440-39-3	Barium				11,340	11,340	4,536	1.0%	
LCL-38	Barium Compounds (USA: excl. Barium sulfate CAS Number 7727-43-7)				11,340	11,340	4,536	1.0%	
	Indium and its compounds								
LCL-39	Indium and its compounds	I	1000	1%					
	Iron and its compounds								
7705-08-0	ferric chloride	I	1000	1%					
13463-40-6	Iron pentacarbonyl				11,340	11,340	4,536	1.0%	
	Lithium and its compounds								
554-13-2	Lithium carbonate				11,340	11,340	4,536	1.0%	
	Magnesium and its compounds								
1309-48-4	Magnesium oxide fume								
	Molybdenum and its compounds								
LCL-40	Molybdenum and its compounds	I	1000	1%					
1313-27-5	Molybdenum trioxide				11,340	11,340	4,536	1.0%	
	Osmium and its compounds								
20816-12-0	Osmium tetroxide				11,340	11,340	4,536	1.0%	
	Thallium and its compounds								
7440-28-0	Thallium				11,340	11,340	4,536	1.0%	
LCL-41	Thallium Compounds				11,340	11,340	4,536	1.0%	
	Titanium tetrachloride								
7550-45-0	Titanium tetrachloride				11,340	11,340	4,536	1.0%	
	Zirconium								
7699-43-6	zirconium dichloride oxide	I	1000	1%					
Inorganic substances									
	Asbestos								
1332-21-4	Asbestos / Cdn, USA: Asbestos (friable)	S	500	0.1%	11,340	11,340	4,536	0.1%	
	Cyanides (as total CN)								
LCL-42	Cyanides (as total CN) (E-PRTR) / Cyanide compounds (X+CN- where X = H+ or any other group where a formal dissociation can be made) (USA) / Cyanide (inorganic) compounds (Aus) / inorganic cyanide compounds (except complex salts and cyanates) (Japan) / Cyanides (ionic) (Cdn)	I	1000	1%	11,340	11,340	4,536	1.0%	
74-90-8	Hydrogen cyanide				11,340	11,340	4,536	1.0%	
	Fluorides (as total F)								
LCL-43	Fluorides (as total F) / Jpn: hydrogen fluoride and its water-soluble salts	I	1000	1%					
LCL-44	Fluoride compounds								
7664-39-3	Hydrogen fluoride				11,340	11,340	4,536	1.0%	
7681-49-4	Sodium fluoride								
7789-75-5	Calcium fluoride								
	Phosphorus								
LCL-45	Phosphorus (total)								
LCL-46	Phosphorus (total, excluding yellow or white phosphorus)								
7723-14-0	Phosphorus (yellow, white)				11,340	11,340	4,536	1.0%	
	Nitrate								
LCL-47	Nitrate Compounds (water dissociable; reportable only when in aqueous solution)				11,340	11,340	4,536	1.0%	
LCL-48	nitrate ion in solution at ph >= 6.0								
7697-37-2	Nitric Acid				11,340	11,340	4,536	1.0%	
	Particulate matter								
LCL-49	PM - Total Particulate Matter (Canada: Particulate matter with a diameter less than 100 micrometres)								
LCL-50	PM10 - Particulate matter								
LCL-51	PM2.5 - Particulate Matter <= 2.5 Microns								
	Sulfate								
7664-93-9	Sulfuric acid / Sulfuric acid (acid aerosols including mists, vapors, gas, fog, and other airborne forms of any particle size) (USA)				11,340	11,340	4,536	1.0%	
	Chloride (as Cl-)								
LCL-52	Chlorides (as total Cl)								
	Nitrite								

Long Chemical List

Pollutant		Thresholds, Japan: PRTR			Thresholds, US: TRI				
CAS Number	Pollutant Name	Chemical Category	Usage (kg/year)	Concentration	Manufacture (kg/year)	Process (kg/year)	Otherwise Use (kg/year)	De Minimis % Limit	Caveats/ Notes
7632-00-0	Sodium nitrite				11,340	11,340	4,536	1.0%	
	Potassium bromate								
07758-01-2	Potassium bromate				11,340	11,340	4,536	0.1%	
	Phosphoric acid								
7664-38-2	Phosphoric acid								
	Sodium azide								
26628-22-8	Sodium azide	I	1000	1%	11,340	11,340	4,536	1.0%	
	Thorium dioxide								
1314-20-1	Thorium dioxide				11,340	11,340	4,536	1.0%	
	Total Nitrogen								
LCL-53	Total nitrogen								
	Total Sulphur								
LCL-54	Total Reduced Sulphur (TRS) (Total of hydrogen sulphide, carbon disulphide, carbonyl sulphide, dimethyl sulphide, dimethyl disulphide and methyl mercaptan, expressed as hydrogen sulphide)								
Chlorinated and brominated organic substances									
	Chlorinated ethanes and propanes								
107-06-2	1,2-Dichloroethane	I	1000	1%	11,340	11,340	4,536	0.1%	
75-00-3	Chloroethane				11,340	11,340	4,536	1.0%	
79-00-5	1,1,2-Trichloroethane	I	1000	1%	11,340	11,340	4,536	1.0%	
71-55-6	1,1,1-trichloroethane	I	1000	1%	11,340	11,340	4,536	1.0%	
79-34-5	1,1,2,2-Tetrachloroethane				11,340	11,340	4,536	1.0%	
630-20-6	1,1,1,2-Tetrachloroethane				11,340	11,340	4,536	1.0%	
75-34-3	Ethylidene dichloride (1,1-Dichloroethane)				11,340	11,340	4,536	1.0%	
76-01-7	Pentachloroethane				11,340	11,340	4,536	1.0%	
67-72-1	Hexachloroethane				11,340	11,340	4,536	0.1%	
78-87-5	1,2-Dichloropropane	I	1000	1%	11,340	11,340	4,536	1.0%	
96-18-4	1,2,3-Trichloropropane	I	1000	1%	11,340	11,340	4,536	0.1%	
	Chlorinated ethenes and propenes								
75-01-4	Vinyl chloride (Chloroethylene)	S	500	0.1%	11,340	11,340	4,536	0.1%	
79-01-6	Trichloroethylene	I	1000	1%	11,340	11,340	4,536	0.1%	
127-18-4	Tetrachloroethylene	I	1000	1%	11,340	11,340	4,536	0.1%	
75-35-4	Vinylidene chloride (1,1-dichloroethylene)	I	1000	1%	11,340	11,340	4,536	1.0%	
107-05-1	Allyl chloride (3-chloropropene)	I	1000	1%	11,340	11,340	4,536	1.0%	
563-47-3	3-Chloro-2-methyl-1-propene	I	1000	1%	11,340	11,340	4,536	0.1%	
156-59-2	cis-1,2-dichloroethylene	I	1000	1%					
540-59-0	1,2-Dichloroethylene				11,340	11,340	4,536	1.0%	
542-75-6	1,3-Dichloropropylene / D-D	I	1000	1%	11,340	11,340	4,536	0.1%	
78-88-6	2,3-dichloropropene				11,340	11,340	4,536	1.0%	
10061-02-6	trans-1,3-dichloropropene				11,340	11,340	4,536	0.1%	
	Chlorinated methanes								
75-09-2	Dichloromethane / methylene dichloride	I	1000	1%	11,340	11,340	4,536	0.1%	
67-66-3	Trichloromethane / Chloroform	I	1000	1%	11,340	11,340	4,536	0.1%	
56-23-5	Tetrachloromethane / Carbon tetrachloride	I	1000	1%	11,340	11,340	4,536	0.1%	
74-87-3	Chloromethane / methyl chloride	I	1000	1%	11,340	11,340	4,536	1.0%	
	Chlorobenzenes								
108-90-7	Chlorobenzene	I	1000	1%	11,340	11,340	4,536	1.0%	
95-50-1	o-Dichlorobenzene; 1,2-Dichlorobenzene				11,340	11,340	4,536	1.0%	
106-46-7	p-Dichlorobenzene; 1,4-Dichlorobenzene				11,340	11,340	4,536	0.1%	
541-73-1	1,3-Dichlorobenzene				11,340	11,340	4,536	1.0%	
25321-22-6	Dichlorobenzene (mixed isomers)	I	1000	1%	11,340	11,340	4,536	0.1%	
12002-48-1	Trichlorobenzenes	I	1000	1%					
120-82-1	1,2,4-Trichlorobenzene				11,340	11,340	4,536	1.0%	
	Brominated diphenylethers (PBDE)								
1163-19-5	Decabromodiphenyl ether	I	1000	1%	11,340	11,340	4,536	1.0%	
LCL-55	Brominated diphenylethers (PBDE) (total mass of penta-BDE, octa-BDE and deca-BDE)								
	Short Chain Chlorinated Paraffins (SCCPs)								
85535-84-8	Chloro-alkanes (C10-C13) / Polychlorinated alkanes (C10 to C13) / Alkanes, C10-13, chloro	I	1000	1%	11,340	11,340	4,536	1.0% or 0.1%	De minimis le
LCL-56	Alkanes, C6-18, chloro (**attention**: short chain: only <C14!)								
	Brominated VOC								
75-25-2	Bromoform (Tribromomethane)				11,340	11,340	4,536	1.0%	
74-95-3	Methylene bromide				11,340	11,340	4,536	1.0%	
124-48-1	dibromochloromethane	I	1000	1%					
75-27-4	Dichlorobromomethane / bromodichloromethane	I	1000	1%	11,340	11,340	4,536	0.1%	
106-93-4	1,2-Dibromoethane				11,340	11,340	4,536	0.1%	
107-04-0	1-Bromo-2-chloroethane								
106-94-5	1-bromopropane	I	1000	1%					
75-26-3	2-bromopropane	S	500	0.1%					
593-60-2	Vinyl bromide				11,340	11,340	4,536	0.1%	
	Chlorinated toluenes and phenols								
95-57-8	o-chlorophenol	I	1000	1%					
106-48-9	p-chlorophenol	I	1000	1%					
95-73-8	2,4-dichlorotoluene	I	1000	1%					
87-86-5	Pentachlorophenol (PCP)	I	1000	1%	11,340	11,340	4,536	0.1%	
LCL-57	Chlorophenols (di, tri, tetra) (Aus) / Chlorophenols Cl 1-5 (USA)				11,340	11,340	4,536	0.1%	
120-83-2	2,4-Dichlorophenol / Cdn: 2,4-Dichlorophenol (and its salts)				11,340	11,340	4,536	1.0%	
88-06-2	2,4,6-Trichlorophenol	I	1000	1%	11,340	11,340	4,536	0.1%	
95-95-4	2,4,5-Trichlorophenol				11,340	11,340	4,536	1.0%	
95-49-8	o-chlorotoluene	I	1000	1%					
106-43-4	p-chlorotoluene	I	1000	1%					
131-52-2	Sodium pentachlorophenate				11,340	11,340	4,536	1.0%	
98-87-3	Benzal chloride (Benzylidene dichloride)				11,340	11,340	4,536	1.0%	
98-88-4	Benzoyl chloride				11,340	11,340	4,536	1.0%	
100-44-7	Benzyl chloride	I	1000	1%	11,340	11,340	4,536	1.0%	
611-19-8	1-chloro-2-(chloromethyl)benzene	I	1000	1%					
59-50-7	4-chloro-3-methylphenol	I	1000	1%					
98-07-7	Benzoic trichloride (Benzylidyne trichloride)	S	500	0.1%	11,340	11,340	4,536	0.1%	

Pollutant		Thresholds, Japan: PRTR			Thresholds, US: TRI				
CAS Number	Pollutant Name	Chemical Category	Usage (kg/year)	Concentration	Manufacture (kg/year)	Process (kg/year)	Otherwise Use (kg/year)	De Minimis % Limit	Caveats/ Notes
	Chlorendic acid								
115-28-6	Chlorendic acid (1,4,5,6,7,7-hexachlorobicyclo[2.2.1]-5-heptene-2,3-dicarboxylic acid)				11,340	11,340	4,536	0.1%	
	Chlorinated carboxylic acids & carboxylic acid esters								
79-11-8	Chloroacetic acid (Japan, USA) / Chloroacetic acid (and its salts) (Cdn)	I	1000	1%	11,340	11,340	4,536	1.0%	
76-03-9	trichloroacetic acid	I	1000	1%					
76-02-8	Trichloroacetyl chloride				11,340	11,340	4,536	1.0%	
598-78-7	2-chloropropionic acid	I	1000	1%					
105-39-5	ethyl chloroacetate	I	1000	1%					
	Bis(2-chloro-1-methylethyl) ether								
108-60-1	Bis(2-chloro-1-methylethyl) ether				11,340	11,340	4,536	1.0%	
	Bis(2-chloroethoxy)methane								
111-91-1	Bis(2-chloroethoxy)methane				11,340	11,340	4,536	1.0%	
	Chloroanilines								
95-51-2	o-chloroaniline								
106-47-8	p-chloroaniline				11,340	11,340	4,536	0.1%	
LCL-58	chloroaniline	I	1000	1%					
LCL-59	dichloroaniline	I	1000	1%					
95-69-2	p-chloro-o-toluidine				11,340	11,340	4,536	0.1%	
	Chloroprene								
126-99-8	Chloroprene				11,340	11,340	4,536	0.1%	
	Chlorinated butenes								
110-57-6	Trans-1,4-dichloro-2-butene				11,340	11,340	4,536	1.0%	
764-41-0	1,4-dichloro-2-butene				11,340	11,340	4,536	1.0%	
	Chloronaphthalenes								
1335-87-1	Hexachloronaphthalene				11,340	11,340	4,536	1.0%	
2234-13-1	Octachloronaphthalene				11,340	11,340	4,536	1.0%	
	3-Chloropropionitrile								
542-76-7	3-Chloropropionitrile				11,340	11,340	4,536	1.0%	
	Dimethylcarbamyl chloride								
79-44-7	Dimethylcarbamyl chloride				11,340	11,340	4,536	0.1%	
	Dimethyl chlorothiophosphate								
2524-03-0	Dimethyl chlorothiophosphate				11,340	11,340	4,536	1.0%	
	2,2-dibromo-2-cyanoacetamide								
10222-01-2	2,2-dibromo-2-cyanoacetamide (Jpn) / 2,2-Dibromo-3-nitrilopropionamide (USA: on TRI list, but reporting requirements currently suspended)	I	1000	1%	RS	RS	RS	RS	
	Halogenated organic compounds								
LCL-60	Halogenated organic compounds (as AOX)								
	Hexachlorobutadiene (HCBD)								
87-68-3	Hexachlorobutadiene (HCBD)				11,340	11,340	4,536	1.0%	
	Hexachlorocyclopentadiene								
77-47-4	Hexachlorocyclopentadiene				11,340	11,340	4,536	1.0%	
	Perchloromethyl mercaptan								
594-42-3	Perchloromethyl mercaptan				11,340	11,340	4,536	1.0%	
	2,2-bis(Bromomethyl)-1,3-propanediol								
3296-90-0	2,2-bis(Bromomethyl)-1,3-propanediol (added to TRI for RY2011)				11,340	11,340	4,536	0.1%	
	Polybrominated biphenyls (PBBs)								
LCL-61	Polybrominated biphenyls				11,340	11,340	4,536	0.1%	
	Tetrabromobisphenol A (TBBPA)								
79-94-7	Tetrabromobisphenol A (TBBPA)				45	45	45	‡	
	Tris(2,3-dibromoproyl)phosphate								
126-72-7	Tris(2,3-dibromoproyl)phosphate				11,340	11,340	4,536	0.1%	
	Vinyl Fluoride								
75-02-5	Vinyl Fluoride (added to TRI for RY2011)				11,340	11,340	4,536	0.1%	
	Tetrafluoroethylene								
116-14-3	Tetrafluoroethylene (USA: added to TRI for RY2011)				11,340	11,340	4,536	0.1%	
Ozone depleting substances									
	Hydrochlorofluorocarbons (HCFCs)								
LCL-62	Hydrochlorofluorocarbons (HCFCs) (E-PRTR: Total mass of substances including their isomers listed in Group VIII of Annex I to Regulation (EC) No 2037/2000 of the European Parliament and of the Council of 29 June 2000 on substances that deplete the ozone layer (OJ L 244, 29.9.2000, p. 1). Regulation as amended by Regulation (EC) No 1804/2003 (OJ L 265, 16.10.2003, p. 1))								
75-43-4	HCFC-21, Dichlorofluoromethane	I	1000	1%	11,340	11,340	4,536	1.0%	
75-45-6	HCFC-22, Chlorodifluoromethane, Difluoromonochloromethane	I	1000	1%	11,340	11,340	4,536	1.0%	
354-14-3	HCFC-121, 1,1,2,2-Tetrachloro-1-fluoroethane				11,340	11,340	4,536	1.0%	
354-11-0	HCFC 121a, 1,1,1,2-Tetrachloro-2-Fluoroethane				11,340	11,340	4,536	1.0%	
41834-16-6	HCFC-122 (all isomers) / (Cdn: total of all isomers, including, but not limited to, isomers with CAS RN 354-12-1, 354-15-4 and 354-21-2)								
34077-87-7	Dichlorotrifluoroethane / (Cdn: Total of all isomers, including, but not limited to, isomers with CAS RN 306-83-2, 354-23-4, 812-04-4 and 90454-18-5)	I	1000	1%	11,340	11,340	4,536	1.0%	
306-83-2	HCFC-123 and all isomers, Dichlorotrifluoroethane / Jpn: HCFC-123 / 2,2-dichloro-1,1,1-trifluoroethane / (Cdn: listed on the NPRI with CAS 34077-87-7)	I	1000	1%	11,340	11,340	4,536	1.0%	
354-23-4	HCFC-123a, 1,2-Dichloro-1,1,2-Trifluoroethane / (Cdn: listed on the NPRI with CAS 34077-87-7)				11,340	11,340	4,536	1.0%	
812-04-4	HCFC-123b, 1,1-Dichloro-1,2,2-Trifluoroethane / (Cdn: listed on the NPRI with CAS 34077-87-7)				11,340	11,340	4,536	1.0%	
90454-18-5	Dichloro-1,1,2-trifluoroethane / (Cdn: listed on the NPRI with CAS 34077-87-7)				11,340	11,340	4,536	1.0%	

Long Chemical List

Pollutant		Thresholds, Japan: PRTR			Thresholds, US: TRI				
CAS Number	Pollutant Name	Chemical Category	Usage (kg/year)	Concentration	Manufacture (kg/year)	Process (kg/year)	Otherwise Use (kg/year)	De Minimis % Limit	Caveats/ Notes
63938-10-3	Chlorotetrafluoroethane / Cdn: total of all isomers, including, but not limited to, isomers with CAS RN 76-14-2, 354-25-6, 374-07-2 and 2837-89-0				11,340	11,340	4,536	1.0%	
354-25-6	1-Chloro-1,1,2,2-tetrafluoroethane (HCFC-124a) / (Cdn: listed on the NPRI with CAS 63938-10-3)				11,340	11,340	4,536	1.0%	
2837-89-0	2-Chloro-1,1,1,2-tetrafluoroethane (HCFC-124) / (Cdn: listed on the NPRI with CAS 63938-10-3)	I	1000	1%	11,340	11,340	4,536	1.0%	
1649-08-7	1,2-Dichloro-1,1-Difluoroethane, HCFC 132b				11,340	11,340	4,536	1.0%	
75-88-7	2-Chloro-1,1,1-Trifluoroethane (HCFC-133a)				11,340	11,340	4,536	1.0%	
1717-00-6	HCFC-141b / 1,1-dichloro-1-fluoroethane	I	1000	1%	11,340	11,340	4,536	1.0%	
75-68-3	HCFC-142b / 1-chloro-1,1-difluoroethane	I	1000	1%	11,340	11,340	4,536	1.0%	
127564-92-5	Dichloropentafluoropropane	I	1000	1%	11,340	11,340	4,536	1.0%	
128903-21-9	2,2-Dichloro-1,1,1,3,3-pentafluoropropane (HCFC-225aa)				11,340	11,340	4,536	1.0%	
422-44-6	1,2-Dichloro-1,1,2,3,3-Pentafluoropropane				11,340	11,340	4,536	1.0%	
422-48-0	2,3-Dichloro-1,1,1,2,3-Pentafluoropropane				11,340	11,340	4,536	1.0%	
422-56-0	3,3-Dichloro-1,1,1,2,2-Pentafluoropropane				11,340	11,340	4,536	1.0%	
431-86-7	1,2-Dichloro-1,1,3,3,3-Pentafluoropropane				11,340	11,340	4,536	1.0%	
507-55-1	1,3-Dichloro-1,1,2,2,3-Pentafluoropropane				11,340	11,340	4,536	1.0%	
13474-88-9	1,1-Dichloro-1,2,2,3,3-Pentafluoropropane				11,340	11,340	4,536	1.0%	
111512-56-2	1,1-Dichloro-1,2,3,3,3-Pentafluoropropane				11,340	11,340	4,536	1.0%	
460-35-5	HCFC 253, 3-Chloro-1,1,1-Trifluoropropane				11,340	11,340	4,536	1.0%	
431-07-2	Chlorotrifluoroethane (HCFC-133)	I	1000	1%					
	Chlorofluorocarbon (CFCs)								
LCL-63	Chlorofluorocarbons (CFCs) (E-PRTR: Total mass of substances including their isomers listed in Group I and II of Annex I to Regulation (EC) No 2037/2000)								
75-69-4	CFC-11, Trichlorofluoromethane	I	1000	1%	11,340	11,340	4,536	1.0%	
75-71-8	CFC-12, Dichlorodifluoromethane	I	1000	1%	11,340	11,340	4,536	1.0%	
76-13-1	CFC-113, trichlorotrifluoroethane / USA: Freon 113 [Ethane, 1,1,2-trichloro-1,2,2,-trifluoro-]	I	1000	1%	11,340	11,340	4,536	1.0%	
76-14-2	CFC-114, Dichlorotetrafluoroethane	I	1000	1%	11,340	11,340	4,536	1.0%	
76-15-3	CFC-115, Monochloropentafluoroethane	I	1000	1%	11,340	11,340	4,536	1.0%	
75-72-9	CFC-13, Chlorotrifluoromethane	I	1000	1%	11,340	11,340	4,536	1.0%	
LCL-64	CFC-112, Tetrachlorodifluoroethane	I	1000	1%					
	Halons								
LCL-65	Halons (E-PRTR: Total mass of substances including their isomers listed in Group III and VI of Annex I to Regulation (EC) No 2037/2000)								
353-59-3	Halon 1211, Bromochlorodifluoromethane	I	1000	1%	11,340	11,340	4,536	1.0%	
75-63-8	Halon 1301, Bromotrifluoromethane	I	1000	1%	11,340	11,340	4,536	1.0%	
124-73-2	Dibromotetrafluoroethane (Halon 2402)	I	1000	1%	11,340	11,340	4,536	1.0%	
74-83-9	Bromomethane (Methyl bromide)	I	1000	1%	11,340	11,340	4,536	1.0%	
Greenhouse gases (GHGs)									
	Carbon dioxide (CO2)								
124-38-9	Carbon dioxide / Aus: The Australian National Greenhouse Gas Accounts are published annually by the Australian Government. The national inventory forms the foundation for Australia's efforts to address climate change. By identifying and reporting emissions sources and sinks, and changes in these over time, the inventory provides information fundamental to the development of domestic mitigation policies and programmes, while also tracking Australia's progress towards meeting international commitments. / Cdn: Greenhouse gas emissions are reported to Canada's Greenhouse Gas Emissions Reporting Program (GHGRP), a complementary program to the NPRI, Canada's PRTR. /								
	Jpn: Japan has the program to mandate entities that emit considerably large amount of greenhouse gases (GHGs) to account and report their emissions to the government annually. The government publicizes the reported data based on the Act on Promotion of Global Warming Countermeasures since 2006. In addition, the government develops national greenhouse gas inventory and reports it every year to the UNFCCC secretariat under the UNFCCC and the Kyoto Protocol. / USA: The U.S. EPA's TRI Program does not collect release or other waste management quantities of GHGs. However, the U.S. EPA's Office of Air and Radiation (OAR) recently implemented regulations which requires reporting of GHG data and other relevant information from large sources and suppliers in the United States. These data and information will be made available to the public.								
	Methane (CH4)								
74-82-8	Methane / Aus: The Australian National Greenhouse Gas Accounts are published annually by the Australian Government. The national inventory forms the foundation for Australia's efforts to address climate change. By identifying and reporting emissions sources and sinks, and changes in these over time, the inventory provides information fundamental to the development of domestic mitigation policies and programmes, while also tracking Australia's progress towards meeting international commitments. / Cdn: Greenhouse gas emissions are reported to Canada's Greenhouse Gas Emissions Reporting Program (GHGRP), a complementary program to the NPRI, Canada's PRTR. /								

Long Chemical List

Pollutant		Thresholds, Japan: PRTR			Thresholds, US: TRI				
CAS Number	Pollutant Name	Chemical Category	Usage (kg/year)	Concentration	Manufacture (kg/year)	Process (kg/year)	Otherwise Use (kg/year)	De Minimis % Limit	Caveats/ Notes
	Jpn: Japan has the program to mandate entities that emit considerably large amount of greenhouse gases (GHGs) to account and report their emissions to the government annually. The government publicizes the reported data based on the Act on Promotion of Global Warming Countermeasures since 2006. In addition, the government develops national greenhouse gas inventory and reports it every year to the UNFCCC secretariat under the UNFCCC and the Kyoto Protocol. / USA: The U.S. EPA's TRI Program does not collect release or other waste management quantities of GHGs. However, the U.S. EPA's Office of Air and Radiation (OAR) recently implemented regulations which requires reporting of GHG data and other relevant information from large sources and suppliers in the United States. These data and information will be made available to the public.								
	Nitrous oxide (N2O)								
10024-97-2	Nitrous oxide / Aus: The Australian National Greenhouse Gas Accounts are published annually by the Australian Government. The national inventory forms the foundation for Australia's efforts to address climate change. By identifying and reporting emissions sources and sinks, and changes in these over time, the inventory provides information fundamental to the development of domestic mitigation policies and programmes, while also tracking Australia's progress towards meeting international commitments. / Cdn: Greenhouse gas emissions are reported to Canada's Greenhouse Gas Emissions Reporting Program (GHGRP), a complementary program to the NPRI, Canada's PRTR. /								
	Jpn: Japan has the program to mandate entities that emit considerably large amount of greenhouse gases (GHGs) to account and report their emissions to the government annually. The government publicizes the reported data based on the Act on Promotion of Global Warming Countermeasures since 2006. In addition, the government develops national greenhouse gas inventory and reports it every year to the UNFCCC secretariat under the UNFCCC and the Kyoto Protocol. / USA: The U.S. EPA's TRI Program does not collect release or other waste management quantities of GHGs. However, the U.S. EPA's Office of Air and Radiation (OAR) recently implemented regulations which requires reporting of GHG data and other relevant information from large sources and suppliers in the United States. These data and information will be made available to the public.								
	Hydrofluorocarbons (HFCs)								
LCL-66	Hydrofluorocarbons (HFCs) (E-PRTR: Total mass of hydrogen fluorocarbons: sum of HFC23, HFC32, HFC41, HFC4310mee, HFC125, HFC134, HFC134a, HFC152a, HFC143, HFC143a, HFC227ea, HFC236fa, HFC245ca, HFC365mfc) / Aus: The Australian National Greenhouse Gas Accounts are published annually by the Australian Government. The national inventory forms the foundation for Australia's efforts to address climate change. By identifying and reporting emissions sources and sinks, and changes in these over time, the inventory provides information fundamental to the development of domestic mitigation policies and programmes, while also tracking Australia's progress towards meeting international commitments. / Cdn: Greenhouse gas emissions are reported to Canada's Greenhouse Gas Emissions Reporting Program (GHGRP), a complementary program to the NPRI, Canada's PRTR. /								
	Jpn: Japan has the program to mandate entities that emit considerably large amount of greenhouse gases (GHGs) to account and report their emissions to the government annually. The government publicizes the reported data based on the Act on Promotion of Global Warming Countermeasures since 2006. In addition, the government develops national greenhouse gas inventory and reports it every year to the UNFCCC secretariat under the UNFCCC and the Kyoto Protocol. / USA: The U.S. EPA's TRI Program does not collect release or other waste management quantities of GHGs. However, the U.S. EPA's Office of Air and Radiation (OAR) recently implemented regulations which requires reporting of GHG data and other relevant information from large sources and suppliers in the United States. These data and information will be made available to the public.								
	Perfluorocarbons (PFCs)								
LCL-67	Perfluorocarbons (PFCs) (E-PRTR: Total mass of perfluorocarbons: sum of CF4, C2F6, C3F8, C4F10, c-C4F8, C5F12, C6F14) / Aus: The Australian National Greenhouse Gas Accounts are published annually by the Australian Government. The national inventory forms the foundation for Australia's efforts to address climate change. By identifying and reporting emissions sources and sinks, and changes in these over time, the inventory provides information fundamental to the development of domestic mitigation policies and programmes, while also tracking Australia's progress towards meeting international commitments. / Cdn: Greenhouse gas emissions are reported to Canada's Greenhouse Gas Emissions Reporting Program (GHGRP), a complementary program to the NPRI, Canada's PRTR. /								

Long Chemical List

Pollutant		Thresholds, Japan: PRTR			Thresholds, US: TRI				
CAS Number	Pollutant Name	Chemical Category	Usage (kg/year)	Concentration	Manufacture (kg/year)	Process (kg/year)	Otherwise Use (kg/year)	De Minimis % Limit	Caveats/ Notes
	Jpn: Japan has the program to mandate entities that emit considerably large amount of greenhouse gases (GHGs) to account and report their emissions to the government annually. The government publicizes the reported data based on the Act on Promotion of Global Warming Countermeasures since 2006. In addition, the government develops national greenhouse gas inventory and reports it every year to the UNFCCC secretariat under the UNFCCC and the Kyoto Protocol. / USA: The U.S. EPA's TRI Program does not collect release or other waste management quantities of GHGs. However, the U.S. EPA's Office of Air and Radiation (OAR) recently implemented regulations which requires reporting of GHG data and other relevant information from large sources and suppliers in the United States. These data and information will be made available to the public.								
	Sulphur hexafluoride (SF6)								
2551-62-4	Sulphur hexafluoride (SF6) / Aus: The Australian National Greenhouse Gas Accounts are published annually by the Australian Government. The national inventory forms the foundation for Australia's efforts to address climate change. By identifying and reporting emissions sources and sinks, and changes in these over time, the inventory provides information fundamental to the development of domestic mitigation policies and programmes, while also tracking Australia's progress towards meeting international commitments. / Cdn: Greenhouse gas emissions are reported to Canada's Greenhouse Gas Emissions Reporting Program (GHGRP), a complementary program to the NPRI, Canada's PRTR. /								
	Jpn: Japan has the program to mandate entities that emit considerably large amount of greenhouse gases (GHGs) to account and report their emissions to the government annually. The government publicizes the reported data based on the Act on Promotion of Global Warming Countermeasures since 2006. In addition, the government develops national greenhouse gas inventory and reports it every year to the UNFCCC secretariat under the UNFCCC and the Kyoto Protocol. / USA: The U.S. EPA's TRI Program does not collect release or other waste management quantities of GHGs. However, the U.S. EPA's Office of Air and Radiation (OAR) recently implemented regulations which requires reporting of GHG data and other relevant information from large sources and suppliers in the United States. These data and information will be made available to the public.								
Other gases									
	Ammonia								
7664-41-7	Ammonia (NH3) (E-PRTR) / Ammonia ((includes anhydrous ammonia and aqueous ammonia from water dissociable ammonium salts and other sources; 10 percent of total aqueous ammonia is reportable under this listing) (USA)				11,340	11,340	4,536	1.0%	
LCL-68	Ammonia (Total)								
	Chlorine and inorganic compounds (as HCl)								
7782-50-5	Chlorine				11,340	11,340	4,536	1.0%	
LCL-69	Chlorine & compounds / Chlorine and inorganic compounds (as HCl)								
7647-01-0	Hydrochloric acid / USA: Hydrochloric acid (acid aerosols including mists, vapors, gas, fog, and other airborne forms of any particle size)				11,340	11,340	4,536	1.0%	
	Ethylene oxide								
75-21-8	Ethylene oxide	S	500	0.1%	11,340	11,340	4,536	0.1%	
	Bromine								
7726-95-6	Bromine	I	1000	1%	11,340	11,340	4,536	1.0%	
	Chlorine dioxide								
10049-04-4	Chlorine dioxide				11,340	11,340	4,536	1.0%	
	Carbon monoxide								
630-08-0	Carbon monoxide								
	Fluorine and inorganic compounds (as HF)								
7782-41-4	Fluorine				11,340	11,340	4,536	1.0%	
LCL-70	Fluorine and inorganic compounds (as HF)								
	Hydrogen sulfide								
7783-06-4	Hydrogen sulfide (USA: on TRI list, but reporting requirements currently suspended)				11,340	11,340	4,536	1.0%	Hydrogen sul
	Nitrogen oxides								
11104-93-1	Oxides of nitrogen (expressed as NO2) / Nitrogen oxides (NOx/NO2)								
	Sulphur oxides (SOx/SO2)								
2025-88-4	Sulphur oxides (SOx/SO2) / Sulfur dioxide								
	water-soluble salts of bromic acid								
LCL-71	water-soluble salts of bromic acid	I	1000	1%					
	Hydrocarbons (gases)								
74-85-1	Ethylene				11,340	11,340	4,536	1.0%	
74-86-2	Acetylene								
74-98-6	Propane								
115-07-1	Propylene				11,340	11,340	4,536	1.0%	
LCL-72	Butane (all isomers)								
25167-67-3	Butene (all isomers)								
	Mustard								
505-60-2	Mustard Gas				11,340	11,340	4,536	0.1%	
51-75-2	Nitrogen mustard / [2-Chloro-N-(2-chloroethyl)-Nmethylethanamine]				11,340	11,340	4,536	0.1%	
	Diazomethane								
334-88-3	Diazomethane				11,340	11,340	4,536	1.0%	
	Ozone								

Pollutant		Thresholds, Japan: PRTR			Thresholds, US: TRI				
CAS Number	Pollutant Name	Chemical Category	Usage (kg/year)	Concentration	Manufacture (kg/year)	Process (kg/year)	Otherwise Use (kg/year)	De Minimis % Limit	Caveats/ Notes
10028-15-6	Ozone				11,340	11,340	4,536	1.0%	
	Sulfuryl fluoride								
2699-79-8	Sulfuryl fluoride				11,340	11,340	4,536	1.0%	
	Phosphine								
7803-51-2	Phosphine				11,340	11,340	4,536	1.0%	
Polycyclic aromatic hydrocarbons (PAHs)									
	Polycyclic aromatic hydrocarbons (PAHs)								
LCL-73	Polycyclic aromatic hydrocarbons (B[a]Peq)								
LCL-74	Polycyclic aromatic hydrocarbons (PAHs) as benzo(a)pyrene (50-32-8), benzo(b)-fluoranthene (205-99-2), benzo(k)fluoranthene (207-08-9), indeno(1,2,3-cd)pyrene (193-39-5)								
LCL-75	Polycyclic aromatic compounds (PACs) / Cdn: Canada currently requires reporting on 32 PAHs: 29 as “Part 2” substances (with mandatory reporting triggered at 50 kilograms overall, with individual PAHs reportable at a 5 kilogram threshold); two commercial chemicals, anthracene and naphthalene, listed as “Part 1A” substances at a higher threshold; and creosote listed as a speciated VOC, under "Part 5" of the NPRI substance list.				45	45	45	‡	
56-55-3	Benzo(a)anthracene (USA: included in the Polycyclic aromatic compounds (PACs) category)				45	45	45	‡	
205-99-2	Benzo(b)fluoranthene (USA: included in the Polycyclic aromatic compounds (PACs) category)				45	45	45	‡	
205-82-3	Benzo(j)fluoranthene (USA: included in the Polycyclic aromatic compounds (PACs) category)				45	45	45	‡	
207-08-9	Benzo(k)fluoranthene (USA: included in the Polycyclic aromatic compounds (PACs) category)				45	45	45	‡	
206-44-0	Fluoranthene (Cdn) / Benzo(j,k)fluorene (USA) (USA: included in the Polycyclic aromatic compounds (PACs) category)				45	45	45	‡	
189-55-9	Dibenzo(a,i)pyrene (USA: included in the Polycyclic aromatic compounds (PACs) category)				45	45	45	‡	
218-01-9	Benzo(a)phenanthrene (USA: included in the Polycyclic aromatic compounds (PACs) category)				45	45	45	‡	
50-32-8	Benzo(a)pyrene (USA: included in the Polycyclic aromatic compounds (PACs) category)				45	45	45	‡	
226-36-8	Dibenzo(a,h)acridine (USA: included in the Polycyclic aromatic compounds (PACs) category)				45	45	45	‡	
224-42-0	Dibenz(a,j)acridine (USA: included in the Polycyclic aromatic compounds (PACs) category)				45	45	45	‡	
53-70-3	Dibenzo(a,h)anthracene (USA: included in the Polycyclic aromatic compounds (PACs) category)				45	45	45	‡	
194-59-2	7H-Dibenzo(c,g)carbazole (USA: included in the Polycyclic aromatic compounds (PACs) category)				45	45	45	‡	
5385-75-1	Dibenzo(a,e)fluoranthene (USA: included in the Polycyclic aromatic compounds (PACs) category)				45	45	45	‡	
192-65-4	Dibenzo(a,e)pyrene (USA: included in the Polycyclic aromatic compounds (PACs) category)				45	45	45	‡	
189-64-0	Dibenzo(a,h)pyrene (USA: included in the Polycyclic aromatic compounds (PACs) category)				45	45	45	‡	
191-30-0	Dibenzo(a,l)pyrene (USA: included in the Polycyclic aromatic compounds (PACs) category)				45	45	45	‡	
57-97-6	7,12-Dimethylbenz(a)-anthracene (USA: included in the Polycyclic aromatic compounds (PACs) category)				45	45	45	‡	
193-39-5	Indeno(1,2,3-c,d)pyrene (USA: included in the Polycyclic aromatic compounds (PACs) category)				45	45	45	‡	
56-49-5	3-Methylcholanthrene (USA: included in the Polycyclic aromatic compounds (PACs) category)				45	45	45	‡	
3697-24-3	5-Methylchrysene (USA: included in the Polycyclic aromatic compounds (PACs) category)				45	45	45	‡	
5522-43-0	1-Nitropyrene (USA: included in the Polycyclic aromatic compounds (PACs) category)				45	45	45	‡	
42397-64-8	1,6-Dinitropyrene (added to TRI for RY2011, included in the Polycyclic aromatic compounds (PACs) category)				45	45	45	‡	
42397-65-9	1,8-Dinitropyrene (added to TRI for RY2011, included in the Polycyclic aromatic compounds (PACs) category)				45	45	45	‡	
7496-02-8	6-Nitrochrysene (added to TRI for RY2011, included in the Polycyclic aromatic compounds (PACs) category)				45	45	45	‡	
57835-92-4	4-Nitropyrene (added to TRI for RY2011, included in the Polycyclic aromatic compounds (PACs) category)				45	45	45	‡	
8001-58-9	Creosote				11,340	11,340	4,536	0.1%	
120-12-7	Anthracene (Jpn: PAHs in the PRTR system are limited to chemicals intentionally used and therefore listed individually)	I	1000	1%	11,340	11,340	4,536	1.0%	
191-24-2	Benzo(g,h,i)perylene				5	5	5	‡	
91-20-3	Naphthalene (Jpn: PAHs in the PRTR system are limited to chemicals intentionally used and therefore listed individually)	I	1000	1%	11,340	11,340	4,536	0.1%	
LCL-76	methylnaphthalene (Jpn: PAHs in the PRTR system are limited to chemicals intentionally used and therefore listed individually)	I	1000	1%					
83-32-9	acenaphthene (Jpn: PAHs in the PRTR system are limited to chemicals intentionally used and therefore listed individually)	I	1000	1%					
85-01-8	Phenanthrene				11,340	11,340	4,536	1.0%	
192-97-2	Benzo(e)pyrene								
198-55-0	Perylene								
129-00-0	Pyrene								
208-96-8	Acenaphthylene - PAH								
86-73-7	Fluorene - PAH								
Other organic substances									
	Acetonitrile								
75-05-8	Acetonitrile	I	1000	1%	11,340	11,340	4,536	1.0%	
	Acrolein								
107-02-8	Acrolein	I	1000	1%	11,340	11,340	4,536	1.0%	
	Acrylamid								

Long Chemical List

Pollutant		Thresholds, Japan: PRTR			Thresholds, US: TRI				
CAS Number	Pollutant Name	Chemical Category	Usage (kg/year)	Concentration	Manufacture (kg/year)	Process (kg/year)	Otherwise Use (kg/year)	De Minimis % Limit	Caveats/ Notes
79-06-1	Acrylamid	I	1000	1%	11,340	11,340	4,536	0.1%	
	Acrylic and methacrylic acid								
79-10-7	Acrylic acid / acrylic acid and its water-soluble salts (Jpn)	I	1000	1%	11,340	11,340	4,536	1.0%	
79-41-4	methacrylic acid	I	1000	1%					
	Acrylic and methacrylic acid esters								
818-61-1	2-hydroxyethyl acrylate	I	1000	1%					
13048-33-4	hexamethylene diacrylate	I	1000	1%					
80-62-6	Methyl methacrylate	I	1000	1%	11,340	11,340	4,536	1.0%	
96-33-3	Methyl acrylate	I	1000	1%	11,340	11,340	4,536	1.0%	
140-88-5	Ethyl acrylate	I	1000	1%	11,340	11,340	4,536	0.1%	
97-88-1	n-butyl methacrylate	I	1000	1%					
105-16-8	2-(diethylamino)ethyl methacrylate								
106-91-2	2,3-epoxypropyl methacrylate	I	1000	1%					
688-84-6	2-ethylhexyl methacrylate	I	1000	1%					
2867-47-2	2-(dimethylamino)ethyl methacrylate	I	1000	1%					
141-32-2	Butyl acrylate	I	1000	1%	11,340	11,340	4,536	1.0%	
2439-35-2	2-(dimethylamino)ethyl acrylate	I	1000	1%					
	Acrylonitrile and methacrylonitrile								
107-13-1	Acrylonitrile	I	1000	1%	11,340	11,340	4,536	0.1%	
126-98-7	Methacrylonitrile				11,340	11,340	4,536	1.0%	
	Aldehydes								
75-07-0	Acetaldehyde	I	1000	1%	11,340	11,340	4,536	0.1%	
78-84-2	Isobutyraldehyde	I	1000	1%	11,340	11,340	4,536	1.0%	
90-02-8	Salicylaldehyde	I	1000	1%					
100-52-7	Benzaldehyde	I	1000	1%					
111-30-8	Glutaraldehyde	I	1000	1%					
123-38-6	Propionaldehyde				11,340	11,340	4,536	1.0%	
123-63-7	Paraldehyde				11,340	11,340	4,536	1.0%	
123-72-8	Butyraldehyde				11,340	11,340	4,536	1.0%	
4170-30-3	Crotonaldehyde / 2-butenal	I	1000	1%	11,340	11,340	4,536	1.0%	
	Anilines								
62-53-3	Aniline	I	1000	1%	11,340	11,340	4,536	1.0%	
LCL-77	toluidine	I	1000	1%					
95-53-4	o-toluidine				11,340	11,340	4,536	0.1%	
636-21-5	o-toluidine hydrochloride				11,340	11,340	4,536	0.1%	
95-68-1	2,4-dimethylaniline	I	1000	1%					
87-62-7	2,6-dimethylaniline / 2,6-Xylidine	I	1000	1%	11,340	11,340	4,536	0.1%	
121-69-7	N,N-Dimethylaniline (and its salts)	I	1000	1%	11,340	11,340	4,536	1.0%	
101-77-9	4,4'-methylenedianiline	I	1000	1%	11,340	11,340	4,536	0.1%	
120-71-8	p-cresidine (2-methoxy-5-methylaniline)	I	1000	1%	11,340	11,340	4,536	0.1%	
134-29-2	O-Anisidine hydrochloride				11,340	11,340	4,536	0.1%	
123-30-8	p-aminophenol	I	1000	1%					
591-27-5	m-aminophenol	I	1000	1%					
25376-45-8	Diaminotoluene (mixed isomers) / toluenediamine (Jpn)	I	1000	1%	11,340	11,340	4,536	0.1%	
95-80-7	2,4-Diaminotoluene (and its salts) (Cdn) / 2,4-Diaminotoluene (USA)				11,340	11,340	4,536	0.1%	
139-65-1	4,4'-Thiodianiline				11,340	11,340	4,536	0.1%	
90-04-0	o-anisidine	I	1000	1%	11,340	11,340	4,536	0.1%	
104-94-9	p-anisidine				11,340	11,340	4,536	1.0%	
615-05-4	2,4-diaminoanisole	I	1000	1%	11,340	11,340	4,536	0.1%	
39156-41-7	2,4-diaminoanisole sulfate				11,340	11,340	4,536	0.1%	
	Biphenyl								
92-52-4	Biphenyl (1,1-biphenyl)	I	1000	1%	11,340	11,340	4,536	1.0%	
	C3-Benzenes								
95-63-6	1,2,4-Trimethylbenzene	I	1000	1%	11,340	11,340	4,536	1.0%	
108-67-8	1,3,5-trimethylbenzene	I	1000	1%					
25551-13-7	Trimethylbenzene (all isomers excluding 1,2,4-Trimethylbenzene)								
98-82-8	Cumene (1-methylethylbenzene)	I	1000	1%	11,340	11,340	4,536	1.0%	
	Hydrocarbons (liquids)								
110-54-3	n-Hexane	I	1000	1%	11,340	11,340	4,536	1.0%	
110-82-7	Cyclohexane				11,340	11,340	4,536	1.0%	
LCL-78	Pentane (all isomers)								
LCL-79	Pentene (all isomers)								
LCL-80	Hexane (all isomers excluding n-hexane)								
25264-93-1	Hexene (all isomers)								
LCL-81	Heptane (all isomers)								
LCL-82	Octane (all isomers)								
LCL-83	Nonane (all isomers)								
LCL-84	Decane (all isomers)								
LCL-85	Dodecane (all isomers)								
8052-41-3	Stoddard solvent								
64475-85-0	Mineral spirits								
64741-65-7	Heavy alkylate naphtha								
64742-47-8	Hydrotreated light distillate								
64742-48-9	Hydrotreated heavy naphtha								
64742-88-7	Solvent naphtha medium aliphatic								
64742-89-8	Solvent naphtha light aliphatic								
64742-94-5	Heavy aromatic solvent naphtha								
64742-95-6	Light aromatic solvent naphtha								
8030-30-6	Naphtha								
8032-32-4	VM & P naphtha								
8042-47-5	White mineral oil								
LCL-86	Cycloheptane (all isomers)								
LCL-87	Cyclohexene (all isomers)								
LCL-88	Cyclooctane (all isomers)								
	BTEX								
71-43-2	Benzene (E-PRTR: Single pollutants are to be reported if the threshold for BTEX (the sum parameter of benzene, toluene, ethyl benzene, xylenes) is exceeded)	S	500	0.1%	11,340	11,340	4,536	0.1%	

Pollutant		Thresholds, Japan: PRTR			Thresholds, US: TRI				
CAS Number	Pollutant Name	Chemical Category	Usage (kg/year)	Concentration	Manufacture (kg/year)	Process (kg/year)	Otherwise Use (kg/year)	De Minimis % Limit	Caveats/ Notes
100-41-4	Ethylbenzene (E-PRTR: Single pollutants are to be reported if the threshold for BTEX (the sum parameter of benzene, toluene, ethyl benzene, xylenes) is exceeded)	I	1000	1%	11,340	11,340	4,536	0.1%	
108-88-3	Toluene (E-PRTR: Single pollutants are to be reported if the threshold for BTEX (the sum parameter of benzene, toluene, ethyl benzene, xylenes) is exceeded)	I	1000	1%	11,340	11,340	4,536	1.0%	
1330-20-7	Xylenes / Xylene (mixed isomers) (E-PRTR: Single pollutants are to be reported if the threshold for BTEX (the sum parameter of benzene, toluene, ethyl benzene, xylenes) is exceeded)	I	1000	1%	11,340	11,340	4,536	1.0%	
95-47-6	o-xylene				11,340	11,340	4,536	1.0%	
106-42-3	p-xylene				11,340	11,340	4,536	1.0%	
108-38-3	m-xylene				11,340	11,340	4,536	1.0%	
	1,3-Butadiene								
106-99-0	1,3-Butadiene	S	500	0.1%	11,340	11,340	4,536	0.1%	
	Carbon disulfide								
75-15-0	Carbon disulfide / Carbon disulphide	I	1000	1%	11,340	11,340	4,536	1.0%	
	Diisocyanates								
101-68-8	Methylenebis(phenylisocyanate) (MDI) (USA: specified as Diisocyanates)	I	1000	1%	11,340	11,340	4,536	1.0%	
5124-30-1	1,1-Methylenebis(4-isocyanatocyclohexane) (USA: specified as Diisocyanates) / methylenebis(4,1-cyclohexylene)diisocyanate (Jpn)	I	1000	1%	11,340	11,340	4,536	1.0%	
4098-71-9	Isophorone diisocyanate (USA: specified as Diisocyanates) / 3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate (Jpn)	I	1000	1%	11,340	11,340	4,536	1.0%	
9016-87-9	Polymeric diphenylmethane diisocyanate (USA: specified as Diisocyanates)				11,340	11,340	4,536	1.0%	
16938-22-0	2,2,4-Trimethylhexamethylene diisocyanate (USA: specified as Diisocyanates)				11,340	11,340	4,536	1.0%	
15646-96-5	2,4,4-Trimethylhexamethylene diisocyanate (USA: specified as Diisocyanates)				11,340	11,340	4,536	1.0%	
822-06-0	Hexamethylene-1,6- diisocyanate (USA: specified as Diisocyanates)	I	1000	1%	11,340	11,340	4,536	1.0%	
38661-72-2	1,3-Bis(methylisocyanate) - cyclohexane (USA: specified as Diisocyanates)				11,340	11,340	4,536	1.0%	
10347-54-3	1,4-Bis(methylisocyanate)-cyclohexane (USA: specified as Diisocyanates)				11,340	11,340	4,536	1.0%	
2556-36-7	1,4-Cyclohexane diisocyanate (USA: specified as Diisocyanates)				11,340	11,340	4,536	1.0%	
134190-37-7	Diethyldiisocyanatobenzene (USA: specified as Diisocyanates)				11,340	11,340	4,536	1.0%	
4128-73-8	4,4'-Diisocyanatodiphenylether (USA: specified as Diisocyanates)				11,340	11,340	4,536	1.0%	
75790-87-3	2,4'-Diisocyanatodiphenylsulfide (USA: specified as Diisocyanates)				11,340	11,340	4,536	1.0%	
91-93-0	3,3'-Dimethoxybenzidine-4,4'-diisocyanate (USA: specified as Diisocyanates)				11,340	11,340	4,536	1.0%	
91-97-4	3,3'-Dimethyl-4,4'-diphenylene diisocyanate (USA: specified as Diisocyanates)	I	1000	1%	11,340	11,340	4,536	1.0%	
139-25-3	3,3'-Dimethyldiphenylmethane-4,4'-diisocyanate (USA: specified as Diisocyanates)				11,340	11,340	4,536	1.0%	
75790-84-0	4-Methyldiphenylmethane-3,4-diisocyanate (USA: specified as Diisocyanates)				11,340	11,340	4,536	1.0%	
3173-72-6	1,5-Naphthalene diisocyanate (USA: specified as Diisocyanates) / 1,5-naphthalenediyl diisocyanate (Jpn)	I	1000	1%	11,340	11,340	4,536	1.0%	
123-61-5	1,3-Phenylene diisocyanate (USA: specified as Diisocyanates)				11,340	11,340	4,536	1.0%	
104-49-4	1,4-Phenylene diisocyanate (USA: specified as Diisocyanates)				11,340	11,340	4,536	1.0%	
LCL-89	Diisocyanates (USA: 20 specified Diisocyanates, see compounds above)				11,340	11,340	4,536	1.0%	
	Toluenediisocyanates								
584-84-9	Toluene-2,4-diisocyanate				11,340	11,340	4,536	0.1%	
91-08-7	Toluene-2,6-diisocyanate				11,340	11,340	4,536	0.1%	
26471-62-5	Toluenediisocyanate (mixed isomers) / tolylene diisocyanate	I	1000	1%	11,340	11,340	4,536	0.1%	
	2-Ethoxyethanol								
110-80-5	2-Ethoxyethanol / ethylene glycol monoethyl ether	I	1000	1%	11,340	11,340	4,536	1.0%	
	Methoxyethanol								
109-86-4	Methoxyethanol / ethylene glycol monomethyl ether	I	1000	1%	11,340	11,340	4,536	1.0%	
	Formaldehyde								
50-00-0	Formaldehyde	S	500	0.1%	11,340	11,340	4,536	0.1%	
	Glycol ethers								
LCL-90	certain glycol ethers				11,340	11,340	4,536	1.0%	
112-34-5	Diethylene glycol butyl ether (USA: incl. in certain glycol ethers)								
112-25-4	Ethylene glycol hexyl ether (USA: incl. in certain glycol ethers)								
5131-66-8	Propylene glycol butyl ether (USA: incl. in certain glycol ethers)								
110-49-6	2-Methoxyethanol acetate / 2-methoxyethyl acetate (USA: incl. in certain glycol ethers)	I	1000	1%					
111-76-2	2-Butoxyethanol (USA: incl. in certain glycol ethers)								
111-15-9	2-Ethoxyethanol acetate / 2-ethoxyethyl acetate (USA: incl. in certain glycol ethers)	I	1000	1%					
108-65-6	Propylene glycol methyl ether acetate (USA: incl. in certain glycol ethers)								
112-07-2	Ethylene glycol butyl ether acetate (USA: incl. in certain glycol ethers)								
112-15-2	Diethylene glycol ethyl ether acetate (USA: incl. in certain glycol ethers)								
	4,4'-methylenebis[2-chloroaniline]								
101-14-4	4,4'-Methylene-bis(2-chloroaniline) (MOCA) / 3,3'-dichloro-4,4'-diaminodiphenylmethane (Jpn)	I	1000	1%	11,340	11,340	4,536	0.1%	
	Organotin compounds (as total Sn)								
LCL-91	Organotin compounds (as total Sn) / organic tin compounds (Jpn)	I	1000	1%					
LCL-92	Tributyltin and compounds								
56-35-9	Bis(tributyltin) oxide				11,340	11,340	4,536	1.0%	
1983-10-4	Tributyltin fluoride				11,340	11,340	4,536	1.0%	
2155-70-6	Tributyltin methacrylate				11,340	11,340	4,536	1.0%	
LCL-93	Triphenyltin and compounds								
639-58-7	Triphenyltin chloride				11,340	11,340	4,536	1.0%	
13356-08-6	hexakis(2-methyl-2-phenylpropyl)distannoxane / fenbutatin oxide	I	1000	1%	11,340	11,340	4,536	1.0%	

Long Chemical List

Pollutant		Thresholds, Japan: PRTR			Thresholds, US: TRI				
CAS Number	Pollutant Name	Chemical Category	Usage (kg/year)	Concentration	Manufacture (kg/year)	Process (kg/year)	Otherwise Use (kg/year)	De Minimis % Limit	Caveats/ Notes
76-87-9	Triphenyltin hydroxide				11,340	11,340	4,536	1.0%	
	Phenols								
LCL-94	Phenols (as total C) (E-PRTR: total mass of phenol and simple substituted phenols)								
108-95-2	Phenol	I	1000	1%	11,340	11,340	4,536	1.0%	
1319-77-3	Cresol / USA: Cresol (mixed isomers)	I	1000	1%	11,340	11,340	4,536	1.0%	
95-48-7	o-cresol				11,340	11,340	4,536	1.0%	
106-44-5	p-cresol				11,340	11,340	4,536	1.0%	
108-39-4	m-cresol				11,340	11,340	4,536	1.0%	
1300-71-6	Dimethyl phenol								
576-26-1	2,6-xylenol (2,6-Dimethylphenol)	I	1000	1%					
105-67-9	2,4-Dimethylphenol / 2,4-xylenol	I	1000	1%	11,340	11,340	4,536	1.0%	
128-37-0	2,6-Di-t-butyl-4-methylphenol / 2,6-di-tert-butyl-4-cresol	I	1000	1%					
96-76-4	2,4-di-tert-butylphenol	I	1000	1%					
89-72-5	o-sec-butylphenol	I	1000	1%					
98-54-4	4-tert-butylphenol	I	1000	1%					
88-60-8	2-tert-butyl-5-methylphenol	I	1000	1%					
90-43-7	o-Phenylphenol (and its salts) (Cdn) / 2-Phenylphenol (USA)	I	1000	1%	11,340	11,340	4,536	1.0%	
108-98-5	Thiophenol	I	1000	1%					
	Phthalates								
117-81-7	Di-(2-ethyl hexyl) phthalate (DEHP) / bis(2-ethylhexyl)phthalate (Jpn)	I	1000	1%	11,340	11,340	4,536	0.1%	
84-74-2	Dibutyl phthalate	I	1000	1%	11,340	11,340	4,536	1.0%	
85-68-7	Butyl benzyl phthalate	I	1000	1%					
117-84-0	Di-n-octyl phthalate								
84-66-2	Diethyl phthalate	I	1000	1%					
120-61-6	Dimethyl terephthalate	I	1000	1%					
131-11-3	Dimethyl phthalate				11,340	11,340	4,536	1.0%	
131-17-9	diallyl phthalate	I	1000	1%					
	Styrenes								
100-42-5	Styrene	I	1000	1%	11,340	11,340	4,536	0.1%	
96-09-3	Styrene oxide, phenyloxirane	I	1000	1%	11,340	11,340	4,536	0.1%	
98-83-9	α-methylstyrene	I	1000	1%					
29082-74-4	Octachlorostyrene				5	5	5	‡	
	Aromatic nitro compounds								
51-28-5	2,4-dinitrophenol	I	1000	1%	11,340	11,340	4,536	1.0%	
88-75-5	2-(1-methylpropyl)-4,6-dinitrophenol (2-nitrophenol)	I	1000	1%	11,340	11,340	4,536	1.0%	
100-02-7	p-nitrophenol (and its salts) (Cdn) / p-nitrophenol (Jpn) / 4-Nitrophenol (USA)				11,340	11,340	4,536	1.0%	
534-52-1	4,6-dinitro-o-cresol				11,340	11,340	4,536	1.0%	
88-72-2	o-nitrotoluene	I	1000	1%					
121-14-2	2,4-Dinitrotoluene				11,340	11,340	4,536	0.1%	
606-20-2	2,6-Dinitrotoluene				11,340	11,340	4,536	0.1%	
25321-14-6	Dinitrotoluene (mixed isomers)	I	1000	1%	11,340	11,340	4,536	1.0%	
88-74-4	o-nitroaniline	I	1000	1%					
100-01-6	p-Nitroaniline				11,340	11,340	4,536	1.0%	
99-54-7	1,2-dichloro-4-nitrobenzene	I	1000	1%					
89-61-2	1,4-dichloro-2-nitrobenzene	I	1000	1%					
97-00-7	1-chloro-2,4-dinitrobenzene	I	1000	1%					
121-87-9	2-chloro-4-nitroaniline	I	1000	1%					
88-73-3	2-chloronitrobenzene	I	1000	1%					
98-95-3	Nitrobenzene	I	1000	1%	11,340	11,340	4,536	0.1%	
99-65-0	m-Dinitrobenzene				11,340	11,340	4,536	1.0%	
100-25-4	p-Dinitrobenzene				11,340	11,340	4,536	1.0%	
528-29-0	o-Dinitrobenzene				11,340	11,340	4,536	1.0%	
99-55-8	5-nitro-o-toluidine				11,340	11,340	4,536	1.0%	
100-00-5	p-nitrochlorobenzene	I	1000	1%					
88-85-7	Dinitrobutyl phenol (Dinoseb)				11,340	11,340	4,536	1.0%	
88-89-1	Picric acid (2,4,6-trinitrophenol)				11,340	11,340	4,536	1.0%	
99-59-2	5-nitro-o-anisidine				11,340	11,340	4,536	1.0%	
91-23-6	o-Nitroanisole (added to TRI for RY2011)	I	1000	1%	11,340	11,340	4,536	0.1%	
	Bisphenol A								
80-05-7	4,4'-isopropylidenediphenol / bisphenol A	I	1000	1%	11,340	11,340	4,536	1.0%	
	1,2-Butylene oxide								
106-88-7	1,2-Butylene oxide / 1,2-epoxybutane	I	1000	1%	11,340	11,340	4,536	0.1%	
	Calcium cyanamide								
156-62-7	Calcium cyanamide	I	1000	1%	11,340	11,340	4,536	1.0%	
	Catechol								
120-80-9	Catechol / pyrocatechol	I	1000	1%	11,340	11,340	4,536	0.1%	
	Cumene hydroperoxide								
80-15-9	Cumene hydroperoxide / 1-methyl-1-phenylethyl hydroperoxide	I	1000	1%	11,340	11,340	4,536	1.0%	
	Cyclic ethers								
123-91-1	1,4-Dioxane	I	1000	1%	11,340	11,340	4,536	0.1%	
109-99-9	Tetrahydrofuran								
	Dicyclopentadiene								
77-73-6	Dicyclopentadiene	I	1000	1%	11,340	11,340	4,536	1.0%	
	Diphenylamine								
122-39-4	Diphenylamine	I	1000	1%	11,340	11,340	4,536	1.0%	
	Epichlorohydrin								
106-89-8	Epichlorohydrin	I	1000	1%	11,340	11,340	4,536	0.1%	
	Epoxy compounds								
75-56-9	Propylene oxide (1,2-epoxypropane)	I	1000	1%	11,340	11,340	4,536	0.1%	
106-92-3	1-allyloxy-2,3-epoxypropane	I	1000	1%					
122-60-1	2,3-epoxypropyl phenyl ether	I	1000	1%					
556-52-5	2,3-epoxy-1-propanol (Japan) / Glycidol (USA: added to TRI for RY2011)	I	1000	1%	11,340	11,340	4,536	0.1%	
1464-53-5	Diepoxybutane				11,340	11,340	4,536	0.1%	
2451-62-9	1,3,5-tris(2,3-epoxypropyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione	I	1000	1%					
	Ethylene glycol								

Pollutant		Thresholds, Japan: PRTR			Thresholds, US: TRI				
CAS Number	Pollutant Name	Chemical Category	Usage (kg/year)	Concentration	Manufacture (kg/year)	Process (kg/year)	Otherwise Use (kg/year)	De Minimis % Limit	Caveats/ Notes
107-21-1	Ethylene glycol				11,340	11,340	4,536	1.0%	
	Ethylene thiourea								
96-45-7	Ethylene thiourea (2-imidazolidinethione)	I	1000	1%	11,340	11,340	4,536	0.1%	
	Hydrazines								
302-01-2	Hydrazine (Jpn, USA) / Hydrazine (and its salts) (Cdn)	I	1000	1%	11,340	11,340	4,536	0.1%	
10034-93-2	Hydrazine sulfate				11,340	11,340	4,536	0.1%	
57-14-7	1,1-Dimethyl hydrazine	I	1000	1%	11,340	11,340	4,536	0.1%	
60-34-4	Methyl hydrazine				11,340	11,340	4,536	1.0%	
100-63-0	phenylhydrazine	I	1000	1%					
122-66-7	1,2-Diphenylhydrazine				11,340	11,340	4,536	0.1%	
	Ketone solvents								
67-64-1	Acetone								
108-10-1	Methyl isobutyl ketone				11,340	11,340	4,536	1.0%	
78-93-3	Methyl ethyl ketone								
106-35-4	Ethyl butyl ketone								
	Maleic anhydride								
108-31-6	Maleic anhydride	I	1000	1%	11,340	11,340	4,536	1.0%	
	N,N-Dimethylformamide								
68-12-2	N,N-Dimethylformamide	I	1000	1%	11,340	11,340	4,536	1.0%	
	Nitroglycerin								
55-63-0	Nitroglycerin	I	1000	1%	11,340	11,340	4,536	1.0%	
	Nitrilotriacetic acid								
139-13-9	Nitrilotriacetic acid (Jpn, USA) / Nitrilotriacetic acid (and its salts) (Cdn)	I	1000	1%	11,340	11,340	4,536	0.1%	
	Nonylphenol								
LCL-95	Nonylphenol and Nonylphenol ethoxylates (NP/NPEs) / Nonylphenol and its ethoxylates	I	1000	1%					
25154-52-3	Nonylphenol	I	1000	1%					
	Octylphenol								
1806-26-4	Octylphenols and Octylphenols ethoxylates / Octylphenol and its ethoxylates								
LCL-96	p-octylphenol	I	1000	1%					
9036-19-5	poly(oxyethylene) octylphenyl ether	I	1000	1%					
	Phenylenediamines								
LCL-97	phenylenediamine	I	1000	1%					
95-54-5	o-phenylenediamine (1,2-Phenylenediamine)				11,340	11,340	4,536	1.0%	
106-50-3	p-Phenylenediamine (Jpn, USA) / p-Phenylenediamine (and its salts) (Cdn)				11,340	11,340	4,536	1.0%	
108-45-2	m-phenylenediamine (1,3-Phenylenediamine)				11,340	11,340	4,536	1.0%	
615-28-1	1,2-phenylenediamine dihydrochloride				11,340	11,340	4,536	1.0%	
624-18-0	1,4-phenylenediamine dihydrochloride				11,340	11,340	4,536	1.0%	
	Phthalic anhydride								
85-44-9	Phthalic anhydride	I	1000	1%	11,340	11,340	4,536	1.0%	
	Pyridines								
110-86-1	Pyridine (Jpn, USA) / Pyridine (and its salts) (Cdn)	I	1000	1%	11,340	11,340	4,536	1.0%	
100-69-6	2-vinylpyridine	I	1000	1%					
108-99-6	3-methylpyridine	I	1000	1%					
109-06-8	2-Methylpyridine				11,340	11,340	4,536	1.0%	
	Quinoline								
91-22-5	Quinoline (and its salts) (Cdn) / Quinoline (USA)	I	1000	1%	11,340	11,340	4,536	1.0%	
	Quinones								
106-51-4	Quinone, p-Quinone				11,340	11,340	4,536	1.0%	
123-31-9	Hydroquinone	I	1000	1%	11,340	11,340	4,536	1.0%	
82-28-0	1-AMINO-2-METHYLANTHRAQUINONE				11,340	11,340	4,536	0.1%	
82-45-1	1-amino-9,10-anthraquinone	I	1000	1%					
118-75-2	2,3,5,6-tetrachloro-p-benzoquinone	I	1000	1%					
117-79-3	2-AMINOANTHRAQUINONE				11,340	11,340	4,536	0.1%	
81-49-2	1-Amino-2,4-dibromoanthraquinone (added to TRI for RY2011)				11,340	11,340	4,536	0.1%	
LCL-98	Anthraquinone (all isomers)								
	Saturated alcohols								
67-56-1	Methanol				11,340	11,340	4,536	1.0%	
64-17-5	Ethanol								
67-63-0	Isopropyl alcohol (USA: (only persons who manufacture by the strong acid process are subject, no supplier notification)				11,340	11,340	4,536	1.0%	
71-36-3	n-Butyl alcohol				11,340	11,340	4,536	1.0%	
78-83-1	i-Butyl alcohol								
78-92-2	sec-Butyl alcohol				11,340	11,340	4,536	1.0%	
75-65-0	tert-Butyl alcohol				11,340	11,340	4,536	1.0%	
3452-97-9	3,5,5-trimethyl-1-hexanol	I	1000	1%					
143-08-8	1-nonanol / n-nonyl alcohol	I	1000	1%					
112-30-1	decyl alcohol / decanol	I	1000	1%					
112-53-8	1-dodecanol / n-dodecyl alcohol	I	1000	1%					
111-87-5	1-Octanol	I	1000	1%					
	Thiourea								
62-56-6	Thiourea	I	1000	1%	11,340	11,340	4,536	0.1%	
	Unsaturated aliphatic alcohols								
107-18-6	Allyl alcohol	I	1000	1%	11,340	11,340	4,536	1.0%	
107-19-7	Propargyl alcohol	I	1000	1%	11,340	11,340	4,536	1.0%	
	Vinyl acetate								
108-05-4	Vinyl acetate	I	1000	1%	11,340	11,340	4,536	0.1%	
	Volatile organic compounds (VOCs)								
LCL-99	Volatile organic compounds (VOCs) (Canada: Sum of VOCs meeting the definition of Schedule 1 [65] of the Canadian Environmental Protection Act, 1999--see: http://www.ec.gc.ca/lcpe-cepa/default.asp?lang=En&n=0DA2924D-1&wsdoc=4ABEFFC8-5BEC-B57A-F4BF-11069545E434).								
LCL-100	Non-methane volatile organic compounds (NMVOC)								
LCL-101	Total volatile organic compounds								

Long Chemical List

Pollutant		Thresholds, Japan: PRTR			Thresholds, US: TRI				
CAS Number	Pollutant Name	Chemical Category	Usage (kg/year)	Concentration	Manufacture (kg/year)	Process (kg/year)	Otherwise Use (kg/year)	De Minimis % Limit	Caveats/ Notes
	1,3-dioxolane								
646-06-0	1,3-dioxolane	I	1000	1%					
	divinylbenzene								
1321-74-0	divinylbenzene	I	1000	1%					
	diphenyl ether								
101-84-8	diphenyl ether	I	1000	1%					
	Ethylenebisdithiocarbamic acid, salts and esters								
LCL-102	ethylenebisdithiocarbamic acid, salts and esters				11,340	11,340	4,536	1.0%	
	1,3-diphenylguanidine								
102-06-7	1,3-diphenylguanidine	I	1000	1%					
	N,N-dimethylacetamide								
127-19-5	N,N-dimethylacetamide	I	1000	1%					
	N-(1,3-dimethylbutyl)-N'-phenyl-p-phenylenediamine								
793-24-8	N-(1,3-dimethylbutyl)-N'-phenyl-p-phenylenediamine	I	1000	1%					
	hydrogenated terphenyl								
61788-32-7	hydrogenated terphenyl	I	1000	1%					
	sodium salt of 2-sulfohexadecanoic acid 1-methyl ester								
4016-24-4	sodium salt of 2-sulfohexadecanoic acid 1-methyl ester	I	1000	1%					
	carbonic acids / dicarbonic acids								
334-48-5	decanoic acid	I	1000	1%					
124-04-9	Adipic acid								
149-57-5	2-ethylhexanoic acid	I	1000	1%					
	sodium dodecyl sulfate								
151-21-3	sodium dodecyl sulfate	I	1000	1%					
	1,2-bis(2-chlorophenyl)hydrazine								
782-74-1	1,2-bis(2-chlorophenyl)hydrazine	I	1000	1%					
	Furans								
110-00-9	Furan (USA: added to TRI for RY2011)	I	1000	1%	11,340	11,340	4,536	0.1%	
98-00-0	Furfuryl alcohol								
	Nitrosodiphenylamine								
86-30-6	N-Nitrosodiphenylamine				11,340	11,340	4,536	1.0%	
156-10-5	P-Nitrosodiphenylamine				11,340	11,340	4,536	1.0%	
	Phosgene								
75-44-5	Phosgene				11,340	11,340	4,536	1.0%	
	Terpens								
68956-56-9	Terpene (all isomers)								
123-35-3	Myrcene								
5989-27-5	Limonene,D-								
80-56-8	Alpha-Pinene								
127-91-3	Beta-Pinene								
555-10-2	Beta-Phellandrene								
	betanaphthol								
135-19-3	betanaphthol	I	1000	1%					
	benzophenone								
119-61-9	benzophenone	I	1000	1%					
	sodium poly(oxyethylene) dodecyl ether sulfate								
9004-82-4	sodium poly(oxyethylene) dodecyl ether sulfate	I	1000	1%					
	n-alkylbenzenesulfonic acid and its salts (alkyl c=10-14)								
LCL-103	n-alkylbenzenesulfonic acid and its salts (alkyl c=10-14)	I	1000	1%					
	poly(oxyethylene) alkyl ether (alkyl c=12-15)								
LCL-104	poly(oxyethylene) alkyl ether (alkyl c=12-15)	I	1000	1%					
	Michler's ketone (and its salts)								
90-94-8	Michler's ketone (and its salts) (Cdn) / Michler's ketone (USA)				11,340	11,340	4,536	0.1%	
	Adipate								
103-23-1	Bis(2-ehtylhexyl) adipate								
	Ethyl acetate								
141-78-6	Ethyl acetate								
	Benzidine								
92-87-5	Benzidine				11,340	11,340	4,536	0.1%	
91-94-1	3,3'-dichlorobenzidine	I	1000	1%	11,340	11,340	4,536	0.1%	
119-90-4	3,3'-dimethoxybenzidine				11,340	11,340	4,536	0.1%	
612-83-9	3,3'-Dichlorobenzidine dihydrochloride				11,340	11,340	4,536	0.1%	
119-93-7	3,3'-dimethylbenzidine / o-tolidine	I	1000	1%	11,340	11,340	4,536	0.1%	
612-82-8	3,3'-Dimethylbenzidine dihydrochloride (o-Tolidine dihydrochloride)				11,340	11,340	4,536	0.1%	
20325-40-0	3,3'-dimethoxybenzidine dihydrochloride				11,340	11,340	4,536	0.1%	
111984-09-9	3,3'-dimethoxybenzidine hydrochloride				11,340	11,340	4,536	0.1%	
41766-75-0	3,3'-dimethoxybenzidine dihydrofluoride				11,340	11,340	4,536	0.1%	
64969-34-2	3,3'-dichlorobenzidine sulfate				11,340	11,340	4,536	0.1%	
	Safroles								
94-59-7	Safrole				11,340	11,340	4,536	0.1%	
94-58-6	Dihydrosafrole				11,340	11,340	4,536	0.1%	
120-58-1	Isosafrole				11,340	11,340	4,536	1.0%	
	Isoprene								
78-79-5	Isoprene (USA: added to TRI for RY2011)	I	1000	1%	11,340	11,340	4,536	0.1%	
	Methyleugenol								
93-15-2	Methyleugenol (added to TRI for RY2011)				11,340	11,340	4,536	0.1%	
	Ethylenediaminetetraacetic acid (EDTA)								
60-00-4	Ethylenediaminetetraacetic acid	I	1000	1%					
	Amines								
74-89-5	methylamine	I	1000	1%					
107-15-3	ethylenediamine	I	1000	1%					
121-44-8	Triethylamine	I	1000	1%	11,340	11,340	4,536	1.0%	
124-40-3	Dimethylamine	I	1000	1%	11,340	11,340	4,536	1.0%	
107-11-9	Allylamine / 3-amino-1-propene	I	1000	1%	11,340	11,340	4,536	1.0%	
102-82-9	tributylamine	I	1000	1%					

Long Chemical List

Pollutant		Thresholds, Japan: PRTR			Thresholds, US: TRI				
CAS Number	Pollutant Name	Chemical Category	Usage (kg/year)	Concentration	Manufacture (kg/year)	Process (kg/year)	Otherwise Use (kg/year)	De Minimis % Limit	Caveats/ Notes
101-83-7	N,N-dicyclohexylamine	I	1000	1%					
112-18-5	N,N-dimethyldodecylamine	I	1000	1%					
108-91-8	cyclohexylamine	I	1000	1%					
	Nitromethanes								
75-52-5	Nitromethane (added to TRI for RY2011)	I	1000	1%	11,340	11,340	4,536	0.1%	
509-14-8	Tetranitromethane (added to TRI for RY2011)				11,340	11,340	4,536	0.1%	
	Methyl iodide								
74-88-4	Methyl iodide				11,340	11,340	4,536	1.0%	
	Phenolphthalein								
77-09-8	Phenolphthalein (added to TRI for RY2011)				11,340	11,340	4,536	0.1%	
	Diethyl sulfate								
64-67-5	Diethyl sulfate				11,340	11,340	4,536	0.1%	
	Dimethyl sulfate								
77-78-1	Dimethyl sulfate				11,340	11,340	4,536	0.1%	
	dimethyl disulfide								
624-92-0	dimethyl disulfide	I	1000	1%					
	Cyclohexanol								
108-93-0	Cyclohexanol				11,340	11,340	4,536	1.0%	
	Benzoyl peroxide								
94-36-0	Benzoyl peroxide				11,340	11,340	4,536	1.0%	
	bis(1-methyl-1-phenylethyl) peroxide								
80-43-3	bis(1-methyl-1-phenylethyl) peroxide	I	1000	1%					
	tert-butyl hydroperoxide								
75-91-2	tert-butyl hydroperoxide	I	1000	1%					
	2-Mercaptobenzothiazole								
149-30-4	2-Mercaptobenzothiazole	I	1000	1%	11,340	11,340	4,536	1.0%	
	2-(morpholinodithio)benzothiazole								
95-32-9	2-(morpholinodithio)benzothiazole	I	1000	1%					
	Imines								
75-55-8	Propyleneimine				11,340	11,340	4,536	0.1%	
151-56-4	ethyleneimine	I	1000	1%	11,340	11,340	4,536	0.1%	
	CARBONYL SULFIDE								
463-58-1	CARBONYL SULFIDE				11,340	11,340	4,536	1.0%	
	Terephthalic acid								
100-21-0	Terephthalic acid	I	1000	1%					
	Ethyl chloroformate								
541-41-3	Ethyl chloroformate				11,340	11,340	4,536	1.0%	
	N-Methyl-2-pyrrolidone								
872-50-4	N-Methyl-2-pyrrolidone				11,340	11,340	4,536	1.0%	
	N-vinyl-2-pyrrolidone								
88-12-0	N-vinyl-2-pyrrolidone	I	1000	1%					
	Short chain fatty acids								
64-18-6	Formic acid				11,340	11,340	4,536	1.0%	
64-19-7	Acetic acid (ethanoic acid)								
	Acetophenones								
98-86-2	Acetophenone				11,340	11,340	4,536	1.0%	
532-27-4	2-chloroacetophenone				11,340	11,340	4,536	1.0%	
	Peracetic acid								
79-21-0	Peracetic acid (Peracetic acid (and its salts))				11,340	11,340	4,536	1.0%	
	Alkaloids								
357-57-3	Brucine				11,340	11,340	4,536	1.0%	
LCL-105	strychnine and salts				11,340	11,340	4,536	1.0%	
	2-Nitropropane								
79-46-9	2-Nitropropane				11,340	11,340	4,536	0.1%	
	Methyl tert-butyl ether								
1634-04-4	Methyl tert-butyl ether				11,340	11,340	4,536	1.0%	
	Diethanolamine								
111-42-2	Diethanolamine (and its salts) (Cdn) / Diethanolamine (USA)				11,340	11,340	4,536	1.0%	
	Dimethyldithiocarbamates								
128-04-1	Sodium Dimethyldithiocarbamate				11,340	11,340	4,536	1.0%	
128-03-0	Potassium Dimethyldithiocarbamate				11,340	11,340	4,536	1.0%	
137-41-7	Potassium N-methyldithiocarbamate				11,340	11,340	4,536	1.0%	
LCL-106	water-soluble salts of dimethyldithiocarbamic acid	I	1000	1%					
	TOC								
LCL-107	Total organic carbon (TOC) (as total C or COD/3)								
Active substances of plant protection products or biocidal products									
	Alachlor								
15972-60-8	Alachlor (2-chloro-2',6'-diethy-N-(methoxymethyl)acetanilide)	I	1000	1%	11,340	11,340	4,536	1.0%	
	Diuron								
330-54-1	Diuron (3-(3,4-dichlorophenyl)-1,1-dimethylurea) / DCMU	I	1000	1%	11,340	11,340	4,536	1.0%	
	Triazine compounds								
1912-24-9	Atrazine (2-chloro-4-ethylamino-6-isopropylamino-1,3,5-triazine)	I	1000	1%	11,340	11,340	4,536	1.0%	
122-34-9	Simazine (2-chloro-4,6-bis(ethylamino)-1,3,5-triazine)	I	1000	1%	11,340	11,340	4,536	1.0%	
108-77-0	2,4,6-trichloro-1,3,5-triazine	I	1000	1%					
1014-70-6	simetryn / 2,4-bis(ethylamino)-6-methylthio-1,3,5-triazine	I	1000	1%					
	Trifluralin								
1582-09-8	Trifluralin (α,α,α-trifluoro-2,6-dinitro-N,N-dipropyl-p-toluidine)	I	1000	1%	45	45	45	‡	
	chloridazon								
1698-60-8	5-amino-4-chloro-2-phenylpyridazin-3(2H)-one	I	1000	1%					
	metribuzin								
21087-64-9	4-amino-6-tert-butyl-3-methylthio-1,2,4-triazin-5(4H)-one	I	1000	1%	11,340	11,340	4,536	1.0%	
	metamitron								
41394-05-2	4-amino-3-methyl-6-phenyl-1,2,4-triazin-5(4H)-one	I	1000	1%					
	fenamiphos								

Long Chemical List

Pollutant		Thresholds, Japan: PRTR			Thresholds, US: TRI				
CAS Number	Pollutant Name	Chemical Category	Usage (kg/year)	Concentration	Manufacture (kg/year)	Process (kg/year)	Otherwise Use (kg/year)	De Minimis % Limit	Caveats/ Notes
22224-92-6	O-ethyl-O-(3-methyl-4-methylthiophenyl) N-isopropylaminophosphonate	I	1000	1%					
	bifenazate								
149877-41-8	isopropyl 2-(4-methoxybiphenyl-3-yl)hydrazinoformate	I	1000	1%					
	flutolanil								
66332-96-5	3'-isopropoxy-2-trifluoromethylbenzanilide	I	1000	1%					
	iminoctadine								
13516-27-3	1,1'-[iminodi(octamethylene)]diguanidine	I	1000	1%					
	butamifos								
36335-67-8	O-ethyl O-(6-nitro-m-tolyl)sec-butylphosphoramidothioate	I	1000	1%					
	EPN								
2104-64-5	O-ethyl O-4-nitrophenyl phenylphosphonothioate	I	1000	1%					
	alanycarb								
83130-01-2	ethyl (Z)-3-[N-benzyl-N-[[methyl(1-methylthioethylideneaminooxycarbonyl)amino]thio]amino]propionate	I	1000	1%					
	fosthiazate								
98886-44-3	O-ethyl S-1-methylpropyl (2-oxo-3-thiazolidinyl)phosphonothioate	I	1000	1%					
	mancozeb								
8018-01-7	complex compounds of manganese N,N'-ethylenebis(dithiocarbamate)and zinc N,N'-ethylenebis(dithiocarbamate)	I	1000	1%					
	diquat dibromide								
85-00-7	1,1'-ethylene-2,2'-bipyridinium dibromide	I	1000	1%					
	etofenprox								
80844-07-1	2-(4-ethoxyphenyl)-2-methylpropyl 3-phenoxybenzyl ether	I	1000	1%					
	mixture of emamectinB1a benzoate and emamectinB1b benzoate								
155569-91-8	emamectin benzoate	I	1000	1%					
	tolfenpyrad								
129558-76-5	4-chloro-3-ethyl-1-methyl-N-[4-(p-tolyloxy)benzyl]pyrazole-5-carboxamide	I	1000	1%					
	fluazinam								
79622-59-6	3-chloro-N-(3-chloro-5-trifluoromethyl-2-pyridyl)-α,α,α-trifluoro-2,6-dinitro-p-toluidine	I	1000	1%					
	pretilachlor								
51218-49-6	2-chloro-2',6'-diethyl-N-(2-propoxyethyl)acetanilide	I	1000	1%					
	mecoprop								
7085-19-0	(RS)-2-(4-chloro-o-tolyloxy)propionic acid	I	1000	1%					
	indanofan								
133220-30-1	(RS)-2-[2-(3-chlorophenyl)-2,3-epoxypropyl]-2-ethylindane-1,3-dione	I	1000	1%					
	fentrazamide								
158237-07-1	4-(2-chlorophenyl)-N-cyclohexyl-N-ethyl-4,5-dihydro-5-oxo-1H-tetrazole-1-carboxamide	I	1000	1%					
	hexythiazox								
78587-05-0	(4RS,5RS)-5-(4-chlorophenyl)-N-cyclohexyl-4-methyl-2-oxo-1,3-thiazolidine-3-carboxamide	I	1000	1%					
	tebuconazole								
107534-96-3	(RS)-1-p-chlorophenyl-4,4-dimethyl-3-(1H-1,2,4-triazol-1-ylmethyl)pentan-3-ol	I	1000	1%					
	fenbuconazole								
114369-43-6	(RS)-4-(4-chlorophenyl)-2-phenyl-2-(1H-1,2,4-triazol-1-ylmethyl)butyronitrile	I	1000	1%					
	cumyluron								
99485-76-4	1-(2-chlorobenzyl)-3-(1-methyl-1-phenylethyl)urea	I	1000	1%					
	diclocymet								
139920-32-4	(RS)-2-cyano-N-[(R)-1-(2,4-dichlorophenyl)ethyl]-3,3-dimethylbutyramide	I	1000	1%					
	tralomethrin								
66841-25-6	(S)-alpha-cyano-3-phenoxybenzyl (1R,3S)-2,2-dimethyl-3-(1,2,2,2-tetrabromoethyl)cyclopropanecarboxylate	I	1000	1%					
	cymoxanil								
57966-95-7	trans-1-(2-cyano-2-methoxyiminoacetyl)-3-ethylurea	I	1000	1%					
	cartap								
15263-53-3	1,3-dicarbamoylthio-2-(N,N-dimethylamino)-propane	I	1000	1%					
	iprodione								
36734-19-7	3-(3,5-dichlorophenyl)-N-isopropyl-2,4-dioxoimidazolidine-1-carboxamide	I	1000	1%					
	tetraconazole								
112281-77-3	(RS)-2-(2,4-dichlorophenyl)-3-(1H-1,2,4-triazol-1-yl)propyl 1,1,2,2-tetrafluoroethyl ether	I	1000	1%					
	oxaziclomefone								
153197-14-9	3-[1-(3,5-dichlorophenyl)-1-methylethyl]-3,4-dihydro-6-methyl-5-phenyl-2H-1,3-oxazin-4-one	I	1000	1%					
	pyrazoxyfen								
71561-11-0	2-[4-(2,4-dichlorobenzoyl)-1,3-dimethyl-5-pyrazolyloxy]acetophenone	I	1000	1%					
	pyrazolynate								
58011-68-0	4-(2,4-dichlorobenzoyl)-1,3-dimethyl-5-pyrazolyl 4-toluenesulfonate	I	1000	1%					
	dithianon								
3347-22-6	2,3-dicyano-1,4-dithiaanthraquinone	I	1000	1%					
	isoprothiolane								
50512-35-1	diisopropyl 1,3-dithiolan-2-ylidenemalonate	I	1000	1%					
	carbosulfan								

Long Chemical List

Pollutant		Thresholds, Japan: PRTR			Thresholds, US: TRI				
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55285-14-8	2,3-dihydro-2,2-dimethyl-7-benzo[b]furyl N-(dibutylamino)thio-N-methylcarbamate	I	1000	1%					
	thiocyclam								
31895-21-3	5-dimethylamino-1,2,3-trithiane	I	1000	1%					
	benfuracarb								
82560-54-1	2,2-dimethyl-2,3-dihydro-1-benzofuran-7-yl N-[N-(2-ethoxycarbonylethyl)-N-isopropylsulfenamoyl]-N-methylcarbamate	I	1000	1%					
	ioxynil octanoate								
3861-47-0	3,5-diiodo-4-octanoyloxybenzonitrile	I	1000	1%					
	phthalide								
27355-22-2	4,5,6,7-tetrachloroisobenzofuran-1(3H)-one	I	1000	1%					
	tefluthrin								
79538-32-2	2,3,5,6-tetrafluoro-4-methylbenzyl(Z)-3-(2-chloro-3,3,3-trifluoro-1-propenyl)-2,2-dimethylcyclopropanecarboxylate	I	1000	1%					
	cadusafos								
95465-99-9	S,S-bis(1-methylpropyl) O-ethyl phosphorodithioate	I	1000	1%					
	buprofezin								
69327-76-0	2-tert-butylimino-3-isopropyl-5-phenyltetrahydro-4H-1,3,5-thiadiazin-4-one	I	1000	1%					
	tebufenozide								
112410-23-8	N-tert-butyl-N'-(4-ethylbenzoyl)-3,5-dimethylbenzohydrazide	I	1000	1%					
	diafenthiuron								
80060-09-9	1-tert-Butyl-3-(2,6-diisopropyl-4-phenoxyphenyl)thiourea	I	1000	1%					
	fenpyroximate								
134098-61-6	tert-butyl 4-({[(1,3-dimethyl-5-phenoxy-4-pyrazolyl)methylidene]aminooxy}methyl)benzoate	I	1000	1%					
	pyridaben								
96489-71-3	2-tert-butyl-5-(4-tert-butylbenzylthio)-4-chloro-3(2H)-pyridazinone	I	1000	1%					
	butachlor								
23184-66-9	N-butoxymethyl-2-chloro-2',6'-diethylacetanilide	I	1000	1%					
	ferimzone								
89269-64-7	(Z)-2'-methylacetophenone 4,6-dimethyl-2-pyrimidinylhydrazone	I	1000	1%					
	indoxacarb								
173584-44-6	methyl (S)-7-chloro-2,3,4a,5-tetrahydro-2-[methoxycarbonyl(4-trifluoromethoxyphenyl)carbamoyl]indeno[1,2-e][1,3,4]oxadiazine-4a-carboxylate	I	1000	1%					
	azoxystrobin								
131860-33-8	methyl (E)-2-[2-[6-(2-cyanophenoxy)pyrimidin-4-yloxy]phenyl]-3-methoxyacrylate	I	1000	1%					
	carbam								
144-54-7	N-methyldithiocarbamic acid	I	1000	1%					
	oxamyl								
23135-22-0	methyl-N',N'-dimethyl-N-[(methylcarbamoyl)oxy]-1-thiooxamimidate	I	1000	1%					
	pyriminobac-methyl								
136191-64-5	methyl 2-(4,6-dimethoxy-2-pyrimizinyloxy)-6-[1-(methoxyimino)ethyl]benzoate	I	1000	1%					
	mepronil								
55814-41-0	2-methyl-N-[3-(1-methylethoxy)phenyl]benzamide	I	1000	1%					
	methomyl								
16752-77-5	S-methyl-N-(methylcarbamoyloxy)thioacetimidate	I	1000	1%					
	trifloxystrobin								
141517-21-7	methyl (E)-methoxyimino-[2-[[[[(E)-1-[3-(trifluoromethyl)phenyl]ethylidene]amino]oxy]methyl]phenyl]acetate	I	1000	1%					
	kresoxim-methyl								
143390-89-0	methyl (E)-methoxyimino[2-(o-tolyloxymethyl)phenyl]acetate	I	1000	1%					
	phenmedipham								
13684-63-4	3-methoxycarbonylaminophenyl 3'-methylcarbanilate	I	1000	1%					
	pyributicarb								
88678-67-5	O-3-tert-butylphenyl N-(6-methoxy-2-pyridyl)-N-methylthiocarbamate	I	1000	1%					
	Chlorfenvinphos								
470-90-8	Chlorfenvinphos								
	Chlorpyrifos								
5598-13-0	Chlorpyrifos methyl [O,O-Dimethyl-O-(3,5,6-trichloro-2-pyridyl)phosphorothioate]				11,340	11,340	4,536	1.0%	
2921-88-2	Chlorpyrifos	I	1000	1%					
	Endosulphan								
115-29-7	Endosulphan / 6,7,8,9,10,10-hexachloro-1,5,5a,6,9,9a-hexahydro-6,9-methano-2,4,3-benzodioxathiepine 3-oxide	I	1000	1%					
	Hexachlorocyclohexane								
608-73-1	1,2,3,4,5, 6-hexachlorocyclohexane (HCH)								
	Isodrin								
465-73-6	Isodrin				5	5	5	‡	
	Isoproturon								
34123-59-6	Isoproturon								
	2,4-D								
94-75-7	2,4-D (2,4-dichlorophenoxyacetic acid) / 2,4-PA	I	1000	1%	11,340	11,340	4,536	0.1%	
2702-72-9	2,4-D sodium salt				11,340	11,340	4,536	0.1%	
	2,4-D esters								
94-80-4	2,4-D butyl ester				11,340	11,340	4,536	0.1%	
01928-43-4	2,4-D 2-ethylhexyl ester				11,340	11,340	4,536	0.1%	
94-11-1	2,4-D isopropyl ester				11,340	11,340	4,536	0.1%	
01929-73-3	2,4-D butoxyethyl ester				11,340	11,340	4,536	0.1%	
1320-18-9	2,4-D propylene glycol butyl ether ester				11,340	11,340	4,536	0.1%	

Long Chemical List

Pollutant		Thresholds, Japan: PRTR			Thresholds, US: TRI				
CAS Number	Pollutant Name	Chemical Category	Usage (kg/year)	Concentration	Manufacture (kg/year)	Process (kg/year)	Otherwise Use (kg/year)	De Minimis % Limit	Caveats/ Notes
53404-37-8	2,4-D 2-ethyl-4-methylpentyl ester				11,340	11,340	4,536	0.1%	
	2,4-DP								
120-36-5	2,4-DP				11,340	11,340	4,536	0.1%	
	2,4-DB								
94-82-6	2,4-DB				11,340	11,340	4,536	1.0%	
	Dicofol								
115-32-2	Dicofol [Benzenemethanol, 4-chloro-.alpha.-4-(chlorophenyl)-.alpha.-(trichloromethyl)-]				11,340	11,340	4,536	1.0%	
	Glyoxal								
107-22-2	Glyoxal	I	1000	1%					
	Methoxone								
94-74-6	Methoxone ((4-chloro-2-methylphenoxy)acetic acid) / MCP / MCPA	I	1000	1%	11,340	11,340	4,536	0.1%	
3653-48-3	Methoxone sodium salt				11,340	11,340	4,536	0.1%	
	Pronamide								
23950-58-5	Pronamide (3,5-dichloro-N-(1,1-dimethyl-2-propynyl)benzamide)	I	1000	1%	11,340	11,340	4,536	1.0%	
	Pendimethalin								
40487-42-1	Pendimethalin (N-(1-ethylpropyl)-2,6-dinitro-3,4-xylidine)	I	1000	1%	45	45	45	‡	
	Amitrole								
61-82-5	Amitrole (3-amino-1H-1,2,4-triazole)				11,340	11,340	4,536	0.1%	
	Naled								
300-76-5	Naled (1,2-dibromo-2,2-dichloroethyl dimethyl phosphate)				11,340	11,340	4,536	1.0%	
	Quintozene								
82-68-8	Quintozene (pentachloronitrobenzene)				11,340	11,340	4,536	1.0%	
	Linuron								
330-55-2	Linuron (3-(3,4-dichlorophenyl)-1-methoxy-1-methylurea)	I	1000	1%	11,340	11,340	4,536	1.0%	
	Diazinon								
333-41-5	Diazinon (O,O-diethyl O-2-isopropyl-6-methyl-4-pyrimidinyl phosphorothioate)	I	1000	1%	11,340	11,340	4,536	1.0%	
	Dazomet								
533-74-4	Dazomet (2-thiono-3,5-dimethyltetrahydro-2H-1,3,5-thiadiazine)	I	1000	1%	11,340	11,340	4,536	1.0%	
53404-60-7	Dazomet, sodium salt				11,340	11,340	4,536	1.0%	
	Trichlorfon								
52-68-6	Trichlorfon (dimethyl 2,2,2-trichloro-1-hydroxyethylphosphonate)	I	1000	1%	11,340	11,340	4,536	1.0%	
	Benomyl								
17804-35-2	Benomyl (methyl N-[1-(N-n-butylcarbamoyl)-1H-2-benzimidazolyl]carbamate)	I	1000	1%	11,340	11,340	4,536	1.0%	
	Thiobencarb								
28249-77-6	Thiobencarb (S-4-chlorobenzyl N,N-diethylthiocarbamate)	I	1000	1%	11,340	11,340	4,536	1.0%	
	Amitraz								
33089-61-1	Amitraz (3-methyl-1,5-di(2,4-xylyl)-1,3,5-triazapenta-1,4-diene)	I	1000	1%	11,340	11,340	4,536	1.0%	
	Propanil								
709-98-8	Propanil (3',4'-dichloropropionanilide)				11,340	11,340	4,536	1.0%	
	Sulprofos								
35400-43-2	Sulprofos (O-ethyl O-4-(methylthio)phenyl S-n-propyl phosphorodithioate)				11,340	11,340	4,536	1.0%	
	Profenofos								
41198-08-7	Profenofos (O-4-bromo-2-chlorophenyl O-ethyl S-propyl phosphorothioate)	I	1000	1%	11,340	11,340	4,536	1.0%	
	Permethrin								
52645-53-1	Permethrin (3-phenoxybenzyl 3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate)	I	1000	1%	11,340	11,340	4,536	1.0%	
	Quizalofop-ethyl								
76578-14-8	Quizalofop-ethyl (ethyl 2-[4-(6-chloro-2-quinoxalinyloxy)phenoxy]propionate)	I	1000	1%	11,340	11,340	4,536	1.0%	
	Dichlorvos / DDVP								
62-73-7	Dichlorvos (dimethyl 2,2-dichlorovinyl phosphate)	I	1000	1%	11,340	11,340	4,536	0.1%	
	Chloropicrin								
76-06-2	Chloropicrin (trichloronitromethane)	I	1000	1%	11,340	11,340	4,536	1.0%	
	Carbaryl / NAC								
63-25-2	Carbaryl (1-naphthyl N-methylcarbamate)	I	1000	1%	11,340	11,340	4,536	1.0%	
	Chlorothalonil								
1897-45-6	Chlorothalonil (tetrachloroisophthalonitrile)	I	1000	1%	11,340	11,340	4,536	0.1%	
	Paraquat dichloride / paraquat								
1910-42-5	Paraquat dichloride (1,1'-dimethyl-4,4'-bipyridinium dichloride)	I	1000	1%	11,340	11,340	4,536	1.0%	
	fenitrothion / MEP								
122-14-5	fenitrothion (O,O-dimethyl O-3-methyl-4-nitrophenyl phosphorothioate)	I	1000	1%					
	Fenthion								
55-38-9	Fenthion (O,O-dimethyl O-3-methyl-4-nitrophenyl phosphorothioate)	I	1000	1%	11,340	11,340	4,536	1.0%	
	Molinate								
2212-67-1	Molinate (S-ethyl hexahydro-1H-azepine-1-carbothioate)	I	1000	1%	11,340	11,340	4,536	1.0%	
	Propargite / BPPS								
2312-35-8	Propargite (2-(4-tert-butylphenoxy)cyclohexyl 2-propynyl sulfite)	I	1000	1%	11,340	11,340	4,536	1.0%	
	Chinomethionat								
2439-01-2	Chinomethionat (6-methyl-1,3-dithiolo[4,5-b]quinoxalin-2-one)				11,340	11,340	4,536	1.0%	
	Famphur								
52-85-7	Famphur				11,340	11,340	4,536	1.0%	
	Tebuthiuron								
34014-18-1	Tebuthiuron				11,340	11,340	4,536	1.0%	
	Sethoxydim								
74051-80-2	Sethoxydim				11,340	11,340	4,536	1.0%	
	Thiodicarb								
59669-26-0	Thiodicarb / 3,7,9,13-tetramethyl-5,11-dioxa-2,8,14-trithia-4,7,9,12-tetraazapentadeca-3,12-diene-6,10-dione	I	1000	1%	11,340	11,340	4,536	1.0%	

Pollutant		Thresholds, Japan: PRTR			Thresholds, US: TRI				
CAS Number	Pollutant Name	Chemical Category	Usage (kg/year)	Concentration	Manufacture (kg/year)	Process (kg/year)	Otherwise Use (kg/year)	De Minimis % Limit	Caveats/ Notes
	Mecoprop								
93-65-2	Mecoprop				11,340	11,340	4,536	0.1%	
	Aldicarb								
116-06-3	Aldicarb				11,340	11,340	4,536	1.0%	
	Captan								
133-06-2	Captan				11,340	11,340	4,536	1.0%	
	Folpet								
133-07-3	Folpet				11,340	11,340	4,536	1.0%	
	Chloramben								
133-90-4	Chloramben				11,340	11,340	4,536	1.0%	
	Ferbam								
14484-64-1	Ferbam				11,340	11,340	4,536	1.0%	
	Parathion								
56-38-2	Parathion				11,340	11,340	4,536	1.0%	
298-00-0	Methylparathion				11,340	11,340	4,536	1.0%	
	Pirimiphos methyl								
29232-93-7	Pirimiphos methyl / O-2-diethylamino-6-methylpyrimidin-4-yl O,O-dimethyl phosphorothioate	I	1000	1%	11,340	11,340	4,536	1.0%	
	Diflubenzuron								
35367-38-5	Diflubenzuron				11,340	11,340	4,536	1.0%	
	Metham sodium								
137-42-8	Metham sodium				11,340	11,340	4,536	1.0%	
	Fenpropathrin								
39515-41-8	Fenpropathrin / (RS)-alpha-cyano-3-phenoxybenzyl 2,2,3,3-tetramethylcyclopropanecarboxylate	I	1000	1%	11,340	11,340	4,536	1.0%	
	Hydramethylnon								
67485-29-4	Hydramethylnon				11,340	11,340	4,536	1.0%	
	Abamectin								
71751-41-2	Abamectin				11,340	11,340	4,536	1.0%	
	Lactofen								
77501-63-4	Lactofen				11,340	11,340	4,536	1.0%	
	Nabam								
142-59-6	Nabam				11,340	11,340	4,536	1.0%	
	Thiabendazole								
148-79-8	Thiabendazole				11,340	11,340	4,536	1.0%	
	Merphos								
150-50-5	Merphos				11,340	11,340	4,536	1.0%	
	Monuron								
150-68-5	Monuron				11,340	11,340	4,536	1.0%	
	Methoxychlor								
72-43-5	Methoxychlor				45	45	45	‡	
	Tetramethrin								
7696-12-0	Tetramethrin / cyclohex-1-ene-1,2-dicarboximidomethyl (1RS)-cis-trans-2,2-dimethyl-3-(2-methylprop-1-enyl)cyclopropanecarboxylate	I	1000	1%	11,340	11,340	4,536	1.0%	
	Resmethrin								
10453-86-8	Resmethrin				11,340	11,340	4,536	1.0%	
	Ethoprop								
13194-48-4	Ethoprop				11,340	11,340	4,536	1.0%	
	Oxydemeton methyl								
301-12-2	Oxydemeton methyl				11,340	11,340	4,536	1.0%	
	Desmedipham								
13684-56-5	Desmedipham				11,340	11,340	4,536	1.0%	
	Oryzalin								
19044-88-3	Oryzalin				11,340	11,340	4,536	1.0%	
	Bromacil								
314-40-9	Bromacil / 5-bromo-3-sec-butyl-6-methyl-1,2,3,4-tetrahydropyrimidine-2,4-dione	I	1000	1%	11,340	11,340	4,536	1.0%	
53404-19-6	Bromacil, lithium salt				11,340	11,340	4,536	1.0%	
	Bendiocarb								
22781-23-3	Bendiocarb				11,340	11,340	4,536	1.0%	
	Phenothrin								
26002-80-2	Phenothrin				11,340	11,340	4,536	1.0%	
	Triforine								
26644-46-2	Triforine				11,340	11,340	4,536	1.0%	
	Propetamphos								
31218-83-4	Propetamphos				11,340	11,340	4,536	1.0%	
	Imazalil								
35554-44-0	Imazalil				11,340	11,340	4,536	1.0%	
	Triadimefon								
43121-43-3	Triadimefon				11,340	11,340	4,536	1.0%	
	Triclopyr								
55335-06-3	(3,5,6-trichloro-2-pyridyl)oxyacetic acid (Triclopyr)	I	1000	1%					
57213-69-1	Triclopyr triethylammonium salt				11,340	11,340	4,536	1.0%	
	Propiconazole								
60207-90-1	Propiconazole / mixture of (2RS,4RS)-1-[2-(2,4-dichlorophenyl)-4-propyl-1,3-dioxolan-2-ylmethyl]-1H-1,2,4-triazole and (2RS,4SR)-1-[2-(2,4-dichlorophenyl)-4-propyl-1,3-dioxolan-2-ylmethyl]-1H-1,2,4-triazole	I	1000	1%	11,340	11,340	4,536	1.0%	
	Cyfluthrin								
68359-37-5	Cyfluthrin				11,340	11,340	4,536	1.0%	
	Fluazifop butyl								
69806-50-4	Fluazifop butyl				11,340	11,340	4,536	1.0%	
	Fenoxycarb								
72490-01-8	Fenoxycarb				11,340	11,340	4,536	1.0%	

Long Chemical List

Pollutant		Thresholds, Japan: PRTR			Thresholds, US: TRI				
CAS Number	Pollutant Name	Chemical Category	Usage (kg/year)	Concentration	Manufacture (kg/year)	Process (kg/year)	Otherwise Use (kg/year)	De Minimis % Limit	Caveats/ Notes
	Chlorobenzilate								
510-15-6	Chlorobenzilate				11,340	11,340	4,536	1.0%	
	Bifenthrin								
82657-04-3	Bifenthrin				11,340	11,340	4,536	1.0%	
	Terbacil								
5902-51-2	Terbacil				11,340	11,340	4,536	1.0%	
	Mevinphos								
7786-34-7	Mevinphos				11,340	11,340	4,536	1.0%	
	Metiram								
9006-42-2	Metiram				11,340	11,340	4,536	1.0%	
	Ametryn								
834-12-8	Ametryn				11,340	11,340	4,536	1.0%	
	Diphenamid								
957-51-7	Diphenamid				11,340	11,340	4,536	1.0%	
	Pebulate								
1114-71-2	Pebulate				11,340	11,340	4,536	1.0%	
	Cycloate								
1134-23-2	Cycloate				11,340	11,340	4,536	1.0%	
	Methazole								
20354-26-1	Methazole				11,340	11,340	4,536	1.0%	
	Cyanazine								
21725-46-2	Cyanazine	I	1000	1%	11,340	11,340	4,536	1.0%	
	Isofenphos								
25311-71-1	Isofenphos				11,340	11,340	4,536	1.0%	
	Norflurazon								
27314-13-2	Norflurazon				11,340	11,340	4,536	1.0%	
	Bromoxynil								
1689-84-5	Bromoxynil				11,340	11,340	4,536	1.0%	
1689-99-2	Bromoxynil octanoate				11,340	11,340	4,536	1.0%	
	Nitrofen								
1836-75-5	Nitrofen				11,340	11,340	4,536	0.1%	
	Diethatyl ethyl								
38727-55-8	Diethatyl ethyl				11,340	11,340	4,536	1.0%	
	Benfluralin								
1861-40-1	Benfluralin				11,340	11,340	4,536	1.0%	
	Dinocap								
39300-45-3	Dinocap				11,340	11,340	4,536	1.0%	
	Oxyfluorfen								
42874-03-3	Oxyfluorfen				11,340	11,340	4,536	1.0%	
	Dicamba								
1918-00-9	Dicamba				11,340	11,340	4,536	1.0%	
1982-69-0	Sodium dicamba				11,340	11,340	4,536	1.0%	
2300-66-5	Dimethylamine dicamba				11,340	11,340	4,536	1.0%	
	Vinclozolin								
50471-44-8	Vinclozolin / (RS)-3-(3,5-dichlorophenyl)-5-methyl-5-vinyl-1,3-oxazolidine-2,4-dione	I	1000	1%	11,340	11,340	4,536	1.0%	
	Picloram								
1918-02-1	Picloram				11,340	11,340	4,536	1.0%	
	Propachlor								
1918-16-7	Propachlor				11,340	11,340	4,536	1.0%	
	Hexazinone								
51235-04-2	Hexazinone				11,340	11,340	4,536	1.0%	
	Diclofop methyl								
51338-27-3	Diclofop methyl				11,340	11,340	4,536	1.0%	
	Nitrapyrin								
1929-82-4	Nitrapyrin				11,340	11,340	4,536	1.0%	
	Dimethipin								
55290-64-7	Dimethipin				11,340	11,340	4,536	1.0%	
	Methiocarb								
2032-65-7	Methiocarb				11,340	11,340	4,536	1.0%	
	Fenarimol								
60168-88-9	Fenarimol				11,340	11,340	4,536	1.0%	
	Acifluorfen, sodium salt								
62476-59-9	Acifluorfen, sodium salt				11,340	11,340	4,536	1.0%	
	Chlorsulfuron								
64902-72-3	Chlorsulfuron				11,340	11,340	4,536	1.0%	
	Dipotassium endothall								
2164-07-0	Dipotassium endothall				11,340	11,340	4,536	1.0%	
	Fenoxaprop ethyl								
66441-23-4	Fenoxaprop ethyl				11,340	11,340	4,536	1.0%	
	Fluometuron								
2164-17-2	Fluometuron				11,340	11,340	4,536	1.0%	
	Cyhalothrin								
68085-85-8	Cyhalothrin				11,340	11,340	4,536	1.0%	
	Fluvalinate								
69409-94-5	Fluvalinate				11,340	11,340	4,536	1.0%	
	Fomesafen								
72178-02-0	Fomesafen				11,340	11,340	4,536	1.0%	
	Allate								
2303-16-4	Diallate				11,340	11,340	4,536	1.0%	
2303-17-5	Triallate				11,340	11,340	4,536	1.0%	
	Anilazine								
101-05-3	Anilazine				11,340	11,340	4,536	1.0%	
	Myclobutanil								

Pollutant		Thresholds, Japan: PRTR			Thresholds, US: TRI				
CAS Number	Pollutant Name	Chemical Category	Usage (kg/year)	Concentration	Manufacture (kg/year)	Process (kg/year)	Otherwise Use (kg/year)	De Minimis % Limit	Caveats/ Notes
88671-89-0	Myclobutanil / 2-(4-chlorophenyl)-2-(1H-1,2,4-triazol-1-ylmethyl)hexanenitrile	I	1000	1%	11,340	11,340	4,536	1.0%	
	Dodine								
2439-10-3	Dodine				11,340	11,340	4,536	1.0%	
	Chlorimuron ethyl								
90982-32-4	Chlorimuron ethyl				11,340	11,340	4,536	1.0%	
	Tribenuron methyl								
101200-48-0	Tribenuron methyl				11,340	11,340	4,536	1.0%	
	Temephos								
3383-96-8	Temephos				11,340	11,340	4,536	1.0%	
	Fenvalerate								
51630-58-1	Fenvalerate (α-cyano-3-phenoxybenzyl 2-(4-chlorophenyl)-3-methylbutyrate)				11,340	11,340	4,536	1.0%	
	Propoxur								
114-26-1	Propoxur (2-isopropoxyphenyl N-methylcarbamate)				11,340	11,340	4,536	1.0%	
	Malathion / malathon								
121-75-5	Malathion (O,O-dimethyl S-1,2-bis(ethoxycarbonyl)ethyl phosphorodithioate)	I	1000	1%	11,340	11,340	4,536	1.0%	
	Dimethoate								
60-51-5	Dimethoate (O,O-dimethyl S-(N-methylcarbamoyl)methyl phosphorodithioate)	I	1000	1%	11,340	11,340	4,536	1.0%	
	Hexachlorophene								
70-30-4	Hexachlorophene				11,340	11,340	4,536	1.0%	
	Methyl isothiocyanate								
556-61-6	Methyl isothiocyanate	I	1000	1%	11,340	11,340	4,536	1.0%	
	Thiophanate								
23564-05-8	Thiophanate methyl / dimethyl 4,4'-(o-phenylene)bis(3-thioallophanate)	I	1000	1%	11,340	11,340	4,536	1.0%	
23564-06-9	Thiophanate ethyl				11,340	11,340	4,536	1.0%	
	Cyhalofop / cyhalofop-butyl								
122008-85-9	butyl (R)-2-[4-(4-cyano-2-fluorophenoxy)phenoxy]propionate	I	1000	1%					
	Disulfuton / ethylthiometon								
298-04-4	O,O-diethyl S-2-(ethylthio)ethyl phosphorodithioate	I	1000	1%					
	Fenothiocarb								
62850-32-2	S-4-phenoxybutyl N,N-dimethylthiocarbamate	I	1000	1%					
	Halosulfuron-Methyl								
100784-20-1	methyl 3-chloro-5-(4,6-dimethoxy-2-pyrimidinylcarbamoylsulfamoyl)-1-methylpyrazole-4-carboxylate	I	1000	1%					
	Fumazone								
96-12-8	1,2-dibromo3-chloropropane				11,340	11,340	4,536	0.1%	
	Difenoconazole								
119446-68-3	1-{[2-[2-chloro-4-(4-chlorophenoxy)phenyl]-4-methyl-1,3-dioxolan-2-yl}methyl)-1H-1,2,4-triazole	I	1000	1%					
	Prothiofos								
34643-46-4	O-2,4-dichlorophenyl O-ethyl S-propyl phosphorodithioate	I	1000	1%					
	Dichlorophene								
97-23-4	Dichlorophene				11,340	11,340	4,536	1.0%	
	Bromol								
118-79-6	2,4,6-tribromophenol	I	1000	1%					
	Prometryn								
7287-19-6	Prometryn				11,340	11,340	4,536	1.0%	
	Dichloran								
99-30-9	Dichloran				11,340	11,340	4,536	1.0%	
	Maneb								
12427-38-2	Maneb [Carbamodithioic acid, 1,2-ethanediylbis-,manganese complex] / manganese N,N'-ethylenebis(dithiocarbamate) (Jpn)	I	1000	1%	11,340	11,340	4,536	1.0%	
	Methidathion / DMTP								
950-37-8	S-(2,3-dihydro-5-methoxy-2-oxo-1,3,4-thiadiazol-3-yl)methyl O,O-dimethyl phosphorodithioate	I	1000	1%					
	Tetrachlorvinphos								
961-11-5	Tetrachlorvinphos				11,340	11,340	4,536	1.0%	
	Isoxathion								
18854-01-8	O,O-diethyl O-5-phenyl-3-isoxazolyl phosphorothioate	I	1000	1%					
	Kitazin P / iprobenfos / IBP								
26087-47-8	S-benzyl O,O-diisopropyl phosphorothioate	I	1000	1%					
	dichlobenil / DBN								
1194-65-6	2,6-dichlorobenzonitrile	I	1000	1%					
	Edifenphos / EDDP								
17109-49-8	O-ethyl S,S-diphenyl phosphorodithioate	I	1000	1%					
	Pyraclofos								
77458-01-6	O-1-(4-chlorophenyl)-4-pyrazolyl O-ethyl S-propyl phosphorothioate	I	1000	1%					
	Oxidiazon								
19666-30-9	Oxidiazon / 5-tert-butyl-3-(2,4-dichloro-5-isopropoxyphenyl)-1,3,4-oxadiazol-2(3H)-one	I	1000	1%	11,340	11,340	4,536	1.0%	
	Acephate								
30560-19-1	Acephate / (RS)-O,S-dimethyl acetylphosphoramidothioate	I	1000	1%	11,340	11,340	4,536	1.0%	
	Metacide 38								
35691-65-7	1-bromo-1-(bromomethyl)-1,3-propanedicarbonitrile				11,340	11,340	4,536	1.0%	
	Metolachlor								
51218-45-2	2-chloro-2'-ethyl-N-(2-methoxy-1-methylethyl)-6'-methylacetanilide	I	1000	1%					
	3-iodo-2-propynyl butylcarbamate								
55406-53-6	3-iodo-2-propynyl butylcarbamate				11,340	11,340	4,536	1.0%	
	Mefenacet								
73250-68-7	2-(2-benzothiazolyloxy)-N-methylacetanilide	I	1000	1%					

Long Chemical List

Pollutant		Thresholds, Japan: PRTR			Thresholds, US: TRI				
CAS Number	Pollutant Name	Chemical Category	Usage (kg/year)	Concentration	Manufacture (kg/year)	Process (kg/year)	Otherwise Use (kg/year)	De Minimis % Limit	Caveats/ Notes
	Clofentezine								
74115-24-5	3,6-bis(2-chlorophenyl)-1,2,4,5-tetrazine	I	1000	1%					
	Phosalone								
2310-17-0	O,O-diethyl S-(6-chloro-2,3-dihydro-2-oxobenzoxazolinyl)methyl phosphorodithioate	I	1000	1%					
	Carbofuran								
1563-66-2	Carbofuran / 2,3-dihydro-2,2-dimethyl-7-benzo[b]furanyl N-methylcarbamate	I	1000	1%	11,340	11,340	4,536	1.0%	
	Phenthoate / PAP								
2597-03-7	ethyl 2-[(dimethoxyphosphinothioyl)thio]-2-phenylacetate	I	1000	1%					
	Tebufenpyrad								
119168-77-3	N-(4-tert-butylbenzyl)-4-chloro-3-ethyl-1-methylpyrazole-5-carboxamide	I	1000	1%					
	Cafenstrole								
125306-83-4	N,N-diethyl-3-(2,4,6-trimethylphenylsulfonyl)-1H-1,2,4-triazole-1-carboxamide	I	1000	1%					
	Fipronil								
120068-37-3	5-amino-1-[2,6-dichloro-4-(trifluoromethyl)phenyl]-3-cyano-4-[(trifluoromethyl)sulfinyl]pyrazole	I	1000	1%					
	Isoprocarb / MIPC								
2631-40-5	2-isopropylphenyl N-methylcarbamate	I	1000	1%					
	Landrin								
2655-15-4	2,3,5-trimethylphenyl methylcarbamate				11,340	11,340	4,536	1.0%	
	2,4-D chlorocrotyl ester								
2971-38-2	2,4-D chlorocrotyl ester				11,340	11,340	4,536	0.1%	
	Fenobucarb / BPMC								
3766-81-2	2-sec-butylphenyl N-methylcarbamate	I	1000	1%					
	D-trans-allethrin								
28057-48-9	D-trans-allethrin				11,340	11,340	4,536	1.0%	
	Dowicil 200								
4080-31-3	1-(3-chloroallyl)-3,5,7-triaza-1-azoniaadamantane chloride				11,340	11,340	4,536	1.0%	
	N-nitrosomethylvinylamine								
4549-40-0	N-nitrosomethylvinylamine				11,340	11,340	4,536	0.1%	
	Carboxin								
5234-68-4	Carboxin				11,340	11,340	4,536	1.0%	
	Thiram								
137-26-8	Thiram (tetramethylthiuram disulfide)	I	1000	1%	11,340	11,340	4,536	1.0%	
	Sodium fluoroacetate								
62-74-8	Sodium fluoroacetate				11,340	11,340	4,536	1.0%	
	Beta-propiolactone								
57-57-8	Beta-propiolactone				11,340	11,340	4,536	0.1%	
	Dipropyl isocinchomeronate								
136-45-8	Dipropyl isocinchomeronate				11,340	11,340	4,536	1.0%	
Colors and dyes									
	C.I. Fluorescent 260								
16090-02-1	disodium2,2'-vinylenebis[5-(4-morpholino-6-anilino-1,3,5-triazin-2-ylamino)benzenesulfonate]	I	1000	1%					
	5'-[N,N-bis(2-acetyloxyethyl)amino]-2'-(2-bromo-4,6-dinitrophenylazo)-4'-methoxyacetanilide								
3618-72-2	5'-[N,N-bis(2-acetyloxyethyl)amino]-2'-(2-bromo-4,6-dinitrophenylazo)-4'-methoxyacetanilide	S	500	0.1%					
	C.I. Food Red								
3761-53-3	C.I. Food Red 5				11,340	11,340	4,536	0.1%	
81-88-9	C.I. Food Red 15				11,340	11,340	4,536	1.0%	
	C.I. Solvent Yellow								
60-09-3	C.I. Solvent Yellow 3 / 4-aminoazobenzene				11,340	11,340	4,536	0.1%	
97-56-3	C.I. Solvent Yellow 3				11,340	11,340	4,536	0.1%	
492-80-8	C.I. Solvent Yellow 34				11,340	11,340	4,536	0.1%	
842-07-9	C.I. Solvent Yellow 14				11,340	11,340	4,536	1.0%	
	C.I. Basic Green								
569-64-2	C.I. Basic Green 4				11,340	11,340	4,536	1.0%	
	C.I. Vat Yellow								
128-66-5	C.I. Vat Yellow 4				11,340	11,340	4,536	1.0%	
	C.I. Basic Red								
989-38-8	C.I. Basic Red 1				11,340	11,340	4,536	1.0%	
	C.I. Direct Black								
1937-37-7	C.I. Direct Black 38				11,340	11,340	4,536	0.1%	
	C.I. Direct Blue								
2602-46-2	C.I. Direct Blue 6				11,340	11,340	4,536	0.1%	
28407-37-6	C.I. Direct Blue 218				11,340	11,340	4,536	1.0%	
	C.I. Disperse Yellow								
2832-40-8	C.I. Disperse Yellow 3				11,340	11,340	4,536	1.0%	
	C.I. Solvent Orange								
3118-97-6	C.I. Solvent Orange 7				11,340	11,340	4,536	1.0%	
	C.I. Acid Green								
4680-78-8	C.I. Acid Green 3				11,340	11,340	4,536	1.0%	
	C.I. Acid Red								
6459-94-5	C.I. Acid Red 114				11,340	11,340	4,536	0.1%	
	C.I. Direct Brown								
16071-86-6	C.I. Direct Brown 95				11,340	11,340	4,536	0.1%	
	Trypan blue								
72-57-1	Trypan blue				11,340	11,340	4,536	0.1%	
Active pharmaceutical ingredient (API)									
	Fluorouracil								
51-21-8	Fluorouracil				11,340	11,340	4,536	1.0%	

Pollutant		Thresholds, Japan: PRTR			Thresholds, US: TRI				
CAS Number	Pollutant Name	Chemical Category	Usage (kg/year)	Concentration	Manufacture (kg/year)	Process (kg/year)	Otherwise Use (kg/year)	De Minimis % Limit	Caveats/ Notes
	disulfiram								
97-77-8	tetraethylthiuram disulfide / disulfiram	I	1000	1%					
	Nicotine								
LCL-108	Nicotine and salts				11,340	11,340	4,536	1.0%	
	Phenytoin								
57-41-0	Phenytoin				11,340	11,340	4,536	0.1%	
	Pentobarbital sodium								
57-33-0	Pentobarbital sodium				11,340	11,340	4,536	1.0%	
	Tetracycline hydrochloride								
64-75-5	Tetracycline hydrochloride				11,340	11,340	4,536	1.0%	
	Triaziquone								
68-76-8	Triaziquone				11,340	11,340	4,536	1.0%	
	Warfarin								
LCL-109	Warfarin and salts				11,340	11,340	4,536	1.0%	
Non-grouped organic substances									
75-08-1	ethanethiol	I	1000	1%					
25103-58-6	tert-dodecanethiol	I	1000	1%					
420-04-2	cyanamide	I	1000	1%					
17796-82-6	N-(cyclohexylthio)phthalimide	I	1000	1%					
4979-32-2	N,N-dicyclohexyl-2-benzothiazolesulfenamide	I	1000	1%					
505-32-8	3,7,11,15-tetramethylhexadec-1-en-3-ol / isophytol	I	1000	1%					
112-57-2	3,6,9-triazaundecane-1,11-diamine / tetraethylenepentamine	I	1000	1%					
112-24-3	triethylenetetramine	I	1000	1%					
99-76-3	methyl 4-hydroxybenzoate	I	1000	1%					
103-90-2	N-(4-hydroxyphenyl)acetamide	I	1000	1%					
941-69-5	N-phenylmaleimide	I	1000	1%					
2426-08-6	n-butyl-2,3-epoxypropyl ether	I	1000	1%					
25013-16-5	butylhydroxyanisole / BHA	I	1000	1%					
LCL-110	water-soluble salts of peroxodisulfuric acid	I	1000	1%					
674-82-8	4-methylideneoxetan-2-one	I	1000	1%					
3268-49-3	3-methylthiopropanal	I	1000	1%					
110-91-8	morpholine	I	1000	1%					
78-42-2	tris(2-ethylhexyl) phosphate	I	1000	1%					
1330-78-5	tritolyl phosphate	I	1000	1%					
115-86-6	triphenyl phosphate	I	1000	1%					
552-30-7	1,2,4-benzenetricarboxylic 1,2-anhydride	I	1000	1%					
100-97-0	1,3,5,7-tetraazatricyclo[3.3.1.13.7]decane / hexamethylenetetramine	I	1000	1%					
100-37-8	2-(diethylamino)ethanol	I	1000	1%					
4162-45-2	2,2'-{isopropylidenebis[(2,6-dibromo-4,1-phenylene)oxy]}diethanol	I	1000	1%					
78-67-1	2,2'-azobisisobutyronitrile	I	1000	1%					
541-53-7	2,4-Dithiobiuret				11,340	11,340	4,536	1.0%	
53-96-3	2-acetylaminofluorene				11,340	11,340	4,536	0.1%	
141-43-5	2-aminoethanol	I	1000	1%					
75-86-5	2-methyllactonitrile / acetone cyanohydrin	I	1000	1%	11,340	11,340	4,536	1.0%	
101-80-4	4,4'-Diaminodiphenyl ether	I	1000	1%	11,340	11,340	4,536	0.1%	
101-61-1	4,4'-methylenebis(N,N-dimethyl)benzeneamine				11,340	11,340	4,536	0.1%	
92-67-1	4-aminobiphenyl				11,340	11,340	4,536	0.1%	
60-11-7	4-dimethylaminoazobenzene				11,340	11,340	4,536	0.1%	
92-93-3	4-nitrobiphenyl				11,340	11,340	4,536	0.1%	
100-40-3	4-vinyl-1-cyclohexene	I	1000	1%					
60-35-5	Acetamide				11,340	11,340	4,536	0.1%	
134-32-7	alpha-naphthylamine				11,340	11,340	4,536	0.1%	
55-21-0	Benzamide				11,340	11,340	4,536	1.0%	
91-59-8	beta-naphthylamine				11,340	11,340	4,536	0.1%	
111-44-4	Bis(2-chloroethyl) ether				11,340	11,340	4,536	1.0%	
542-88-1	Bis(chloromethyl)ether				11,340	11,340	4,536	0.1%	
107-30-2	Chloromethyl methyl ether				11,340	11,340	4,536	0.1%	
115-10-6	Dimethylether								
123-86-4	Butyl acetate:n-								
LCL-111	Dihydronapthalene (all isomers)								
7379-12-6	Methyl-3-hexanone,2-								
27133-93-3	Methylindan (all isomers)								
103-71-9	Phenyl isocyanate								
420-56-4	Trimethylfluorosilane								
135-20-6	Cupferron				11,340	11,340	4,536	0.1%	
132-64-9	Dibenzofuran				11,340	11,340	4,536	1.0%	
101-90-6	Diglycidyl resorcinol ether / 1,3-bis[(2,3-epoxypropyl)oxy]benzene	I	1000	1%	11,340	11,340	4,536	0.1%	
138-93-2	Disodium cyanodithioimidocarbonate				11,340	11,340	4,536	1.0%	
759-94-4	Ethyl dipropylthiocarbamate				11,340	11,340	4,536	1.0%	
112-02-7	hexadecyltrimethylammonium chloride	I	1000	1%					
124-09-4	hexamethylenediamine	I	1000	1%					
680-31-9	Hexamethylphosphoramide				11,340	11,340	4,536	0.1%	
74-93-1	Methyl mercaptan (methanethiol) (USA: on TRI list, but reporting requirements currently suspended)				RS	RS	RS	RS	
109-77-3	Malononitrile				11,340	11,340	4,536	1.0%	
79-22-1	Methyl chlorocarbonate				11,340	11,340	4,536	1.0%	
624-83-9	Methyl isocyanate				11,340	11,340	4,536	1.0%	
95-31-8	N-(tert-butyl)-2-benzothiazolesulfenamide	I	1000	1%					
1643-20-5	N,N-dimethyldodecylamine N-oxide	I	1000	1%					
924-42-5	N-Methylolacrylamide				11,340	11,340	4,536	1.0%	
55-18-5	N-nitrosodiethylamine				11,340	11,340	4,536	0.1%	
62-75-9	N-nitrosodimethylamine				11,340	11,340	4,536	0.1%	
924-16-3	N-nitrosodi-N-butylamine				11,340	11,340	4,536	0.1%	
621-64-7	N-nitrosodi-N-propylamine				11,340	11,340	4,536	0.1%	
59-89-2	N-nitrosomorpholine				11,340	11,340	4,536	0.1%	
759-73-9	N-nitroso-N-ethylurea				11,340	11,340	4,536	0.1%	
684-93-5	N-nitroso-N-methylurea				11,340	11,340	4,536	0.1%	
16543-55-8	N-nitrosonornicotine				11,340	11,340	4,536	0.1%	
100-75-4	N-nitrosopiperidine				11,340	11,340	4,536	0.1%	

Long Chemical List

Pollutant		Thresholds, Japan: PRTR			Thresholds, US: TRI				
CAS Number	Pollutant Name	Chemical Category	Usage (kg/year)	Concentration	Manufacture (kg/year)	Process (kg/year)	Otherwise Use (kg/year)	De Minimis % Limit	Caveats/ Notes
104-12-1	P-chlorophenyl isocyanate				11,340	11,340	4,536	1.0%	
110-85-0	Piperazine	I	1000	1%					
51-03-6	Piperonyl butoxide				11,340	11,340	4,536	1.0%	
1120-71-4	Propane sultone				11,340	11,340	4,536	0.1%	
78-48-8	S,S,S-tributyltrithiophosphate				11,340	11,340	4,536	1.0%	
81-07-2	Saccharin (Manufacturing, no supplier notification)				11,340	11,340	4,536	1.0%	
132-27-4	Sodium O-phenylphenoxide				11,340	11,340	4,536	0.1%	
11070-44-3	Tetrahydromethylphthalic anhydride	I	1000	1%					
62-55-5	Thioacetamide				11,340	11,340	4,536	0.1%	
79-19-6	Thiosemicarbazide				11,340	11,340	4,536	1.0%	
126-73-8	tri-n-butyl phosphate	I	1000	1%					
115-96-8	Tris(2-chloroethyl) phosphate	I	1000	1%					
51-79-6	Urethane				11,340	11,340	4,536	0.1%	
105-60-2	ε-caprolactam	I	1000	1%					

Pollutant		# Facilities Reporting Pollutant					Reporting Score				
CAS Number	Pollutant Name	Australia NPI	Canada NPRI	EU E-PRTR	Japan PRTR	US TRI	Australia NPI	Canada NPRI	EU E-PRTR	Japan PRTR	US TRI
Persistent Organic Pollutants (POPs)											
	Pesticides										
309-00-2	Aldrin			10		4			●●		●●
57-74-9	Chlordane			0		15			○		●●
50-29-3	DDT / 1,1,1-trichloro-2,2-bis(4-chlorophenyl)ethane			2					●		
60-57-1	Dieldrin			14					●●		
72-20-8	Endrin			8					●		
76-44-8	Heptachlor			1		13			●		●●
2385-85-5	Mirex			0					○		
8001-35-2	Toxaphene			3		12			●		●●
319-84-6	alpha-hexachlorocyclohexane					0					○
319-85-7	beta-hexachlorocyclohexane										
58-89-9	Lindane (E-PRTR) / gamma-hexachlorocyclohexane / Lindane [Cyclohexane, 1,2,3,4,5,6-hexachloro-,(1.alpha.,2.alpha.,3.beta.,4.alpha.,5.alpha.,6.beta.)-] (USA)			9		6			●		●●
143-50-0	Chlordecone			0					○		
608-93-5	Pentachlorobenzene			11		18			●●		●●
	Industrial chemicals										
118-74-1	Hexachlorobenzene (HCB)	2	232	3		76	●	●●	●		●●
1336-36-3	Polychlorinated biphenyls (PCBs)	0		111	3,045	90	○		●●	●●●	●●
36355-01-8	Hexabromobiphenyl / USA: listed in TRI as member of Polybrominated Biphenyls (PBBs)			3					●		
68631-49-2	2,2',4,4',5,5'-hexabromodiphenyl ether (BDE-153), as Hexabromodiphenyl ether and heptabromodiphenyl ether (commercial octabromodiphenyl ether)										
207122-15-4	2,2',4,4',5,6'-hexabromodiphenyl ether (BDE-154), as Hexabromodiphenyl ether and heptabromodiphenyl ether (commercial octabromodiphenyl ether)										
446255-22-7	2,2',3,3',4,5',6-heptabromodiphenyl ether (BDE-175), as Hexabromodiphenyl ether and heptabromodiphenyl ether (commercial octabromodiphenyl ether)										
207122-16-5	2,2',3,4,4',5',6-heptabromodiphenyl ether (BDE-183), as Hexabromodiphenyl ether and heptabromodiphenyl ether (commercial octabromodiphenyl ether)										
5436-43-1	Tetrabromodiphenyl ether, as Tetrabromodiphenyl ether and pentabromodiphenyl ether (commercial pentabromodiphenyl ether)										
60348-60-9	Pentabromodiphenyl ether, as Tetrabromodiphenyl ether and pentabromodiphenyl ether (commercial pentabromodiphenyl ether)										
LCL-1	Perfluorooctane sulfonic acid (PFOS), its salts and perfluorooctane sulfonyl fluoride (PFOS-F) / Jpn: perfluoro(octane-1-sulfonic acid)				1					●	
	Polychlorinated dioxins and furans										
LCL-2	Dioxins and furans / Polychlorinated dioxins and furans (as TEQ) / Dioxin and Dioxin-Like Compounds (Cdn: Facilities are required to report to the NPRI on individual dioxin and furan congeners in grams, unless information is not available. In this case, facilities are required to report on total dioxins and furans in grams toxic equivalent (I-TEQ))	867	243	246		1,087	●●	●●	●●		●●●
LCL-3	Dioxins (Jpn: in accordance with WHO: The chemical name for dioxin is: 2,3,7,8- tetrachlorodibenzo para dioxin (TCDD). The name "dioxins" is often used for the family of structurally and chemically related polychlorinated dibenzo para dioxins (PCDDs) and polychlorinated dibenzofurans (PCDFs). Certain dioxin-like polychlorinated biphenyls (PCBs) with similar toxic properties are also included under the term "dioxins". Some 419 types of dioxin-related compounds have been identified but only about 30 of these are considered to have significant toxicity, with TCDD being the most toxic.				4,067					●●●	
67562-39-4	1,2,3,4,6,7,8-Heptachlorodibenzofuran (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category			0					○		○
55673-89-7	1,2,3,4,7,8,9-Heptachlorodibenzofuran (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category			0					○		○
35822-46-9	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category			0					○		○
70648-26-9	1,2,3,4,7,8-Hexachlorodibenzofuran (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category			0					○		○
72918-21-9	1,2,3,7,8,9-Hexachlorodibenzofuran (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category			0					○		○
57117-44-9	1,2,3,6,7,8-Hexachlorodibenzofuran (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category			0					○		○
60851-34-5	2,3,4,6,7,8-Hexachlorodibenzofuran (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category			0					○		○
39227-28-6	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category			0					○		○
19408-74-3	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category			0					○		○
57653-85-7	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category			0					○		○
39001-02-0	Octachlorodibenzofuran (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category			0					○		○

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CAS Number	Pollutant Name	Australia NPI	Canada NPRI	EU E-PRTR	Japan PRTR	US TRI	Australia NPI	Canada NPRI	EU E-PRTR	Japan PRTR	US TRI
3268-87-9	Octachlorodibenzo-p-dioxin (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category		0					○			○
57117-31-4	2,3,4,7,8-Pentachlorodibenzofuran (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category		0					○			○
57117-41-6	1,2,3,7,8-Pentachlorodibenzofuran (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category		0					○			○
40321-76-4	1,2,3,7,8-Pentachlorodibenzo-p-dioxin (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category		0					○			○
51207-31-9	2,3,7,8-Tetrachlorodibenzofuran (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category		0					○			○
1746-01-6	2,3,7,8-Tetrachlorodibenzo-p-dioxin (Activity-based, but only for Cdn) / USA: listed in TRI as member of dioxin and dioxin-like compounds category		0					○			○
Metals											
	Antimony and its compounds										
7440-36-0	Antimony					89					●●
LCL-4	Antimony Compounds					461					●●●
LCL-5	Antimony and its compounds	337	72		659		●●	●●		●●●	
	Arsenic and its compounds										
7440-38-2	Arsenic					49					●●
LCL-6	Arsenic Compounds					331					●●●
LCL-7	Arsenic and its compounds / Arsenic and compounds (as As)	1,143	298	936	3,121		●●	●●●	●●	●●●	
	Boron and its compounds										
LCL-8	Boron & compounds / boron and its compounds /Jpn: Boron compounds	326			3,781		●●			●●●	
10294-34-5	Boron trichloride					8					●●
7637-07-2	Boron trifluoride		0			22		○			●●
	Cadmium and its compounds										
7440-43-9	Cadmium					40					●●
LCL-9	Cadmium Compounds					85					●●
LCL-10	Cadmium and its compounds / Cadmium and compounds (as Cd)	1,080	377	577	3,116		●●	●●●	●●	●●●	
	Chromium and its compounds										
LCL-11	Chromium and compounds (as Cr) (E-PRTR: total mass in all chemical forms)			624					●●		
7440-47-3	Chromium					1,980					●●●
LCL-12	Chromium Compounds (except chromite ore mined in the Transvaal region)					1,330					●●●
LCL-13	Chromium (and its compounds), excludes hexavalent chromium (and its compounds)		389					●●●			
LCL-14	Chromium III compounds / chromium and chromium(III) compounds	1,194			4,029		●●			●●●	
LCL-15	Chromium VI compounds / Hexavalent chromium (and its compounds)	654	193		3,556		●●	●●		●●●	
	Cobalt and its compounds										
7440-48-4	Cobalt					291					●●●
LCL-16	Cobalt Compounds					408					●●●
LCL-17	Cobalt and its compounds	470	97		396		●●	●●		●●	
	Copper and its compounds										
7440-50-8	Copper					2,246					●●●
LCL-18	Copper Compounds					1,689					●●●
LCL-19	Copper and its compounds / Copper and compounds (as Cu) / (Jpn: copper salts (water-soluble, except complex salts))	1,223	464	1,108	3,475		●●●	●●●	●●	●●●	
10380-28-6	bis(8-quinolinolato)copper (USA: included as "copper compound")				8					●●	
	Lead and its compounds										
7439-92-1	Lead (USA: when lead is contained in stainless steel, brass or bronze alloys the de minimis level is 0.1)				544	3,917				●●●	●●●
LCL-20	Lead Compounds				3,369	3,778				●●●	●●●
LCL-21	Lead and its compounds / Lead and compounds as (Pb)	1,223		814			●●●		●●		
LCL-22	Lead and its compounds except tetraethyl lead		674					●●●			
78-00-2	Tetraethyl lead (USA: included as "lead compound")		7					●●			
	Manganese and its compounds										
7439-96-5	Manganese					1,900					●●●
LCL-23	Manganese Compounds					1,648					●●●
LCL-24	Manganese and its compounds	663	523		4,198		●●	●●●		●●●	
	Mercury and its compounds										
7439-97-6	Mercury					471					●●●
LCL-25	Mercury Compounds					1,156					●●●
LCL-26	Mercury and its compounds / Mercury and compounds (as Hg)	1,223	300	900	3,044		●●●	●●●	●●	●●●	
	Nickel and its compounds										
7440-02-0	Nickel				877	2,127				●●●	●●●
LCL-27	Nickel Compounds				1,043	1,115				●●●	●●●
LCL-28	Nickel and its compounds / Nickel and compounds (as Ni)	1,191	327	1,512			●●	●●●	●●●		
12035-72-2	Nickel subsulfide (USA and Canada: included as "nickel compound")	11					●				
13463-39-3	Nickel carbonyl (USA and Canada: included as "nickel compound")	8					●				
	Selenium and its compounds										
7782-49-2	Selenium					22					●●
LCL-29	Selenium Compounds					117					●●
LCL-30	Selenium and its compounds	288	42		3,061		●●	●●		●●●	
	Zinc and its compounds										
7440-66-6	Zinc (fume or dust)					240					●●●
LCL-31	Zinc Compounds					2,919					●●●
LCL-32	Zinc and its compounds / Zinc and compounds (as Zn) / zinc compounds (water-soluble) (Jpn)	800	537	2,307	3,827		●●	●●●	●●●	●●●	

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137-30-4	zinc bis(N,N'-dimethyldithiocarbamate) (USA: included as "zinc compound") / ziram				24					●●	
12122-67-7	Zineb [Carbamodithioic acid, 1,2-ethanediyibis-, zinc complex]					0					○
12071-83-9	polymer of N,N'-propylenebis(dithiocarbamic acid)and zinc / propineb				1					●	
64440-88-6	N,N'-ethylenebis(thiocarbamoylthiozinc) bis(N,N-dimethyldithiocarbamate) or polymer of N,N'-propylenebis(dithiocarbamic acid) and zinc (USA: included as "zinc compound")				17					●●	
	Beryllium and its compounds										
7440-41-7	Beryllium					16					●●
LCL-33	Beryllium Compounds					56					●●
LCL-34	Beryllium and its compounds	1,061			6		●●			●●	
	Silver and its compounds										
7440-22-4	Silver					76					●●
LCL-35	Silver Compounds					67					●●
LCL-36	Silver and its compounds / Jpn: water-soluble compounds		39		259			●●		●●	
	Vanadium and its compounds										
7440-62-2	Vanadium (except when contained in an alloy)		107			38		●●			●●
LCL-37	Vanadium compounds				108	508				●●	●●●
	Aluminum and compounds										
7429-90-5	Aluminum (fume or dust)		64			270		●●			●●●
1344-28-1	Aluminum oxide (fibrous forms)		33			58		●●			●●
20859-73-8	Aluminum phosphide				0	1				○	●●
	Barium and its compounds										
7440-39-3	Barium					75					●●
LCL-38	Barium Compounds (USA: excl. Barium sulfate CAS Number 7727-43-7)					914					●●●
	Indium and its compounds										
LCL-39	Indium and its compounds				56					●●	
	Iron and its compounds										
7705-08-0	ferric chloride				950					●●●	
13463-40-6	Iron pentacarbonyl		1			2		●●			●●
	Lithium and its compounds										
554-13-2	Lithium carbonate		9			47		●●			●●
	Magnesium and its compounds										
1309-48-4	Magnesium oxide fume	203					●●				
	Molybdenum and its compounds										
LCL-40	Molybdenum and its compounds				435					●●	
1313-27-5	Molybdenum trioxide		24			177		●●			●●●
	Osmium and its compounds										
20816-12-0	Osmium tetroxide					0					○
	Thallium and its compounds										
7440-28-0	Thallium					2					●●
LCL-41	Thallium Compounds					37					●●
	Titanium tetrachloride										
7550-45-0	Titanium tetrachloride		2			34		●●			●●
	Zirconium										
7699-43-6	zirconium dichloride oxide				11					●●	
Inorganic substances											
	Asbestos										
1332-21-4	Asbestos / Cdn, USA: Asbestos (friable)		67	102	70	38		●●	●●	●●	●●
	Cyanides (as total CN)										
LCL-42	Cyanides (as total CN) (E-PRTR) / Cyanide compounds (X+CN- where X = H+ or any other group where a formal dissociation can be made) (USA) / Cyanide (inorganic) compounds (Aus) / inorganic cyanide compounds (except complex salts and cyanates) (Japan) / Cyanides (ionic) (Cdn)	65	33	196	3,283	201	●●	●●	●●	●●●	●●●
74-90-8	Hydrogen cyanide		6	71		89		●●	●●		●●
	Fluorides (as total F)										
LCL-43	Fluorides (as total F) / Jpn: hydrogen fluoride and its water-soluble salts			462	3,675				●●	●●●	
LCL-44	Fluoride compounds	1,026					●●				
7664-39-3	Hydrogen fluoride		47			858		●●			●●●
7681-49-4	Sodium fluoride		6					●●			
7789-75-5	Calcium fluoride		24					●●			
	Phosphorus										
LCL-45	Phosphorus (total)	381		1,553			●●		●●●		
LCL-46	Phosphorus (total, excluding yellow or white phosphorus)		448					●●●			
7723-14-0	Phosphorus (yellow, white)		13			39		●●			●●
	Nitrate										
LCL-47	Nitrate Compounds (water dissociable; reportable only when in aqueous solution)					1,840					●●●
LCL-48	nitrate ion in solution at ph >= 6.0		273					●●			
7697-37-2	Nitric Acid	76	106			1,539	●●	●●			●●●
	Particulate matter										
LCL-49	PM - Total Particulate Matter (Canada: Particulate matter with a diameter less than 100 micrometres)		1,140					●●●			
LCL-50	PM10 - Particulate matter	1,932	3,393	565			●●●	●●●	●●		
LCL-51	PM2.5 - Particulate Matter <= 2.5 Microns	1,885	3,861				●●●	●●●			
	Sulfate										
7664-93-9	Sulfuric acid / Sulfuric acid (acid aerosols including mists, vapors, gas, fog, and other airborne forms of any particle size) (USA)	181	438			852	●●	●●●			●●●
	Chloride (as Cl-)										
LCL-52	Chlorides (as total Cl)			578					●●		
	Nitrite										

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7632-00-0	Sodium nitrite		27			362		●●			●●●
	Potassium bromate										
07758-01-2	Potassium bromate		0			1		○			●●
	Phosphoric acid										
7664-38-2	Phosphoric acid	57					●●				
	Sodium azide										
26628-22-8	Sodium azide				18	6				●●	●●
	Thorium dioxide										
1314-20-1	Thorium dioxide		0			1		○			●●
	Total Nitrogen										
LCL-53	Total nitrogen	384		1,530			●●		●●●		
	Total Sulphur										
LCL-54	Total Reduced Sulphur (TRS) (Total of hydrogen sulphide, carbon disulphide, carbonyl sulphide, dimethyl sulphide, dimethyl disulphide and methyl mercaptan, expressed as hydrogen sulphide)		198					●●			
Chlorinated and brominated organic substances											
	Chlorinated ethanes and propanes										
107-06-2	1,2-Dichloroethane	121	31	68	3,105	62	●●	●●	●●	●●●	●●
75-00-3	Chloroethane	119	1			46	●●	●●			●●
79-00-5	1,1,2-Trichloroethane	109	2		3,036	23	●●	●●		●●●	●●
71-55-6	1,1,1-trichloroethane			28	3,030	31			●●	●●●	●●
79-34-5	1,1,2,2-Tetrachloroethane	0	0	5		17	○	○	●		●●
630-20-6	1,1,1,2-Tetrachloroethane		0			10		○			●●
75-34-3	Ethylidene dichloride (1,1-Dichloroethane)					15					●●
76-01-7	Pentachloroethane		0			13		○			●●
67-72-1	Hexachloroethane		0			20		○			●●
78-87-5	1,2-Dichloropropane		1		30	15		●●		●●	●●
96-18-4	1,2,3-Trichloropropane				3	5				●●	●●
	Chlorinated ethenes and propenes										
75-01-4	Vinyl chloride (Chloroethylene)	125	4	40	41	44	●●	●●	●●	●●	●●
79-01-6	Trichloroethylene	113	26	48	3,515	260	●●	●●	●●	●●●	●●●
127-18-4	Tetrachloroethylene	116	31	62	3,274	253	●●	●●	●●	●●●	●●●
75-35-4	Vinylidene chloride (1,1-dichloroethylene)		0		3,033	21		○		●●●	●●
107-05-1	Allyl chloride (3-chloropropene)		0		31	26		○		●●	●●
563-47-3	3-Chloro-2-methyl-1-propene		0		4	2		○		●●	●●
156-59-2	cis-1,2-dichloroethylene				3,025					●●●	
540-59-0	1,2-Dichloroethylene					20					●●
542-75-6	1,3-Dichloropropylene / D-D				3,039	16				●●●	●●
78-88-6	2,3-dichloropropene					5					●●
10061-02-6	trans-1,3-dichloropropene					5					●●
	Chlorinated methanes										
75-09-2	Dichloromethane / methylene dichloride	134	39	189	4,335	302	●●	●●	●●	●●●	●●●
67-66-3	Trichloromethane / Chloroform	123	13	123	269	83	●●	●●	●●	●●	●●
56-23-5	Tetrachloromethane / Carbon tetrachloride		2	42	3,050	46		●●	●●	●●●	●●
74-87-3	Chloromethane / methyl chloride		5		48	74		●●		●●	●●
	Chlorobenzenes										
108-90-7	Chlorobenzene		48		82	62		●●		●●	●●
95-50-1	o-Dichlorobenzene; 1,2-Dichlorobenzene		2			13		●●			●●
106-46-7	p-Dichlorobenzene; 1,4-Dichlorobenzene		13			13		●●			●●
541-73-1	1,3-Dichlorobenzene					5					●●
25321-22-6	Dichlorobenzene (mixed isomers)				68	12				●●	●●
12002-48-1	Trichlorobenzenes			35	10				●●	●●	
120-82-1	1,2,4-Trichlorobenzene		1			17		●●			●●
	Brominated diphenylethers (PBDE)										
1163-19-5	Decabromodiphenyl ether		5		66	113		●●		●●	●●
LCL-55	Brominated diphenylethers (PBDE) (total mass of penta-BDE, octa-BDE and deca-BDE)			13					●●		
	Short Chain Chlorinated Paraffins (SCCPs)										
85535-84-8	Chloro-alkanes (C10-C13) / Polychlorinated alkanes (C10 to C13) / Alkanes, C10-13, chloro		1	15	3	21		●●	●●	●●	●●
LCL-56	Alkanes, C6-18, chloro (**attention**: short chain: only <C14!)		2					●●			
	Brominated VOC										
75-25-2	Bromoform (Tribromomethane)					1					●●
74-95-3	Methylene bromide					4					●●
124-48-1	dibromochloromethane				0					○	
75-27-4	Dichlorobromomethane / bromodichloromethane				0	1				○	●●
106-93-4	1,2-Dibromoethane	3				10	●				●●
107-04-0	1-Bromo-2-chloroethane		0					○			
106-94-5	1-bromopropane				241					●●	
75-26-3	2-bromopropane				8					●●	
593-60-2	Vinyl bromide					0					○
	Chlorinated toluenes and phenols										
95-57-8	o-chlorophenol				5					●●	
106-48-9	p-chlorophenol				8					●●	
95-73-8	2,4-dichlorotoluene				5					●●	
87-86-5	Pentachlorophenol (PCP)			24	0	31			●●	○	●●
LCL-57	Chlorophenols (di, tri, tetra) (Aus) / Chlorophenols Cl 1-5 (USA)	103				7	●●				●●
120-83-2	2,4-Dichlorophenol / Cdn: 2,4-Dichlorophenol (and its salts)		0			8		○			●●
88-06-2	2,4,6-Trichlorophenol				2	4				●	●●
95-95-4	2,4,5-Trichlorophenol					1					●●
95-49-8	o-chlorotoluene				5					●●	
106-43-4	p-chlorotoluene				5					●●	
131-52-2	Sodium pentachlorophenate					0					○
98-87-3	Benzal chloride (Benzylidene dichloride)					3					●●
98-88-4	Benzoyl chloride		1			14		●●			●●
100-44-7	Benzyl chloride		1		54	33		●●		●●	●●
611-19-8	1-chloro-2-(chloromethyl)benzene				1					●	
59-50-7	4-chloro-3-methylphenol				19					●●	
98-07-7	Benzoic trichloride (Benzylidyne trichloride)				5	1				●●	●●

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	Chlorendic acid										
115-28-6	Chlorendic acid (1,4,5,6,7,7-hexachlorobicyclo[2.2.1]-5-heptene-2,3-dicarboxylic acid)			0		0			○		○
	Chlorinated carboxylic acids & carboxylic acid esters										
79-11-8	Chloroacetic acid (Japan, USA) / Chloroacetic acid (and its salts) (Cdn)			2	26	25			●●	●●	●●
76-03-9	trichloroacetic acid				3					●●	
76-02-8	Trichloroacetyl chloride					1					●●
598-78-7	2-chloropropionic acid				1					●	
105-39-5	ethyl chloroacetate				4					●●	
	Bis(2-chloro-1-methylethyl) ether										
108-60-1	Bis(2-chloro-1-methylethyl) ether					2					●●
	Bis(2-chloroethoxy)methane										
111-91-1	Bis(2-chloroethoxy)methane					1					●●
	Chloroanilines										
95-51-2	o-chloroaniline										
106-47-8	p-chloroaniline					3					●●
LCL-58	chloroaniline				14					●●	
LCL-59	dichloroaniline				3					●●	
95-69-2	p-chloro-o-toluidine					0					○
	Chloroprene										
126-99-8	Chloroprene					13					●●
	Chlorinated butenes										
110-57-6	Trans-1,4-dichloro-2-butene					2					●●
764-41-0	1,4-dichloro-2-butene					6					●●
	Chloronaphthalenes										
1335-87-1	Hexachloronaphthalene					0					○
2234-13-1	Octachloronaphthalene					1					●●
	3-Chloropropionitrile										
542-76-7	3-Chloropropionitrile			0		0			○		○
	Dimethylcarbamyl chloride										
79-44-7	Dimethylcarbamyl chloride					1					●●
	Dimethyl chlorothiophosphate										
2524-03-0	Dimethyl chlorothiophosphate					0					○
	2,2-dibromo-2-cyanoacetamide										
10222-01-2	2,2-dibromo-2-cyanoacetamide (Jpn) / 2,2-Dibromo-3-nitrilopropionamide (USA: on TRI list, but reporting requirements currently suspended)				41	0				●●	○
	Halogenated organic compounds										
LCL-60	Halogenated organic compounds (as AOX)			373					●●		
	Hexachlorobutadiene (HCBD)										
87-68-3	Hexachlorobutadiene (HCBD)			11		8			●●		●●
	Hexachlorocyclopentadiene										
77-47-4	Hexachlorocyclopentadiene			0		8			○		●●
	Perchloromethyl mercaptan										
594-42-3	Perchloromethyl mercaptan					0					○
	2,2-bis(Bromomethyl)-1,3-propanediol										
3296-90-0	2,2-bis(Bromomethyl)-1,3-propanediol (added to TRI for RY2011)					0					○
	Polybrominated biphenyls (PBBs)										
LCL-61	Polybrominated biphenyls					1					●●
	Tetrabromobisphenol A (TBBPA)										
79-94-7	Tetrabromobisphenol A (TBBPA)					43					●●
	Tris(2,3-dibromoproyl)phosphate										
126-72-7	Tris(2,3-dibromoproyl)phosphate					1					●●
	Vinyl Fluoride										
75-02-5	Vinyl Fluoride (added to TRI for RY2011)					0					○
	Tetrafluoroethylene										
116-14-3	Tetrafluoroethylene (USA: added to TRI for RY2011)					0					○
Ozone depleting substances											
	Hydrochlorofluorocarbons (HCFCs)										
LCL-62	Hydrochlorofluorocarbons (HCFCs) (E-PRTR: Total mass of substances including their isomers listed in Group VIII of Annex I to Regulation (EC) No 2037/2000 of the European Parliament and of the Council of 29 June 2000 on substances that deplete the ozone layer (OJ L 244, 29.9.2000, p. 1). Regulation as amended by Regulation (EC) No 1804/2003 (OJ L 265, 16.10.2003, p. 1))			621					●●		
75-43-4	HCFC-21, Dichlorofluoromethane				1	1				●	●●
75-45-6	HCFC-22, Chlorodifluoromethane, Difluoromonochloromethane		18		115	127		●●		●●	●●
354-14-3	HCFC-121, 1,1,2,2-Tetrachloro-1-fluoroethane					1					●●
354-11-0	HCFC 121a, 1,1,1,2-Tetrachloro-2-Fluoroethane					2					●●
41834-16-6	HCFC-122 (all isomers) / (Cdn: total of all isomers, including, but not limited to, isomers with CAS RN 354-12-1, 354-15-4 and 354-21-2)			0					○		
34077-87-7	Dichlorotrifluoroethane / (Cdn: Total of all isomers, including, but not limited to, isomers with CAS RN 306-83-2, 354-23-4, 812-04-4 and 90454-18-5)			1	0	1			●●	○	●●
306-83-2	HCFC-123 and all isomers, Dichlorotrifluoroethane / Jpn: HCFC-123 / 2,2-dichloro-1,1,1-trifluoroethane / (Cdn: listed on the NPRI with CAS 34077-87-7)				13	18				●●	●●
354-23-4	HCFC-123a, 1,2-Dichloro-1,1,2-Trifluoroethane / (Cdn: listed on the NPRI with CAS 34077-87-7)					3					●●
812-04-4	HCFC-123b, 1,1-Dichloro-1,2,2-Trifluoroethane / (Cdn: listed on the NPRI with CAS 34077-87-7)					0					○
90454-18-5	Dichloro-1,1,2-trifluoroethane / (Cdn: listed on the NPRI with CAS 34077-87-7)					0					○

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Pollutant		# Facilities Reporting Pollutant					Reporting Score				
CAS Number	Pollutant Name	Australia NPI	Canada NPRI	EU E-PRTR	Japan PRTR	US TRI	Australia NPI	Canada NPRI	EU E-PRTR	Japan PRTR	US TRI
63938-10-3	Chlorotetrafluoroethane / Cdn: total of all isomers, including, but not limited to, isomers with CAS RN 76-14-2, 354-25-6, 374-07-2 and 2837-89-0		2			0		●●			○
354-25-6	1-Chloro-1,1,2,2-tetrafluoroethane (HCFC-124a) / (Cdn: listed on the NPRI with CAS 63938-10-3)					5					●●
2837-89-0	2-Chloro-1,1,1,2-tetrafluoroethane (HCFC-124) / (Cdn: listed on the NPRI with CAS 63938-10-3)				3	19				●●	●●
1649-08-7	1,2-Dichloro-1,1-Difluoroethane, HCFC 132b					2					●●
75-88-7	2-Chloro-1,1,1-Trifluoroethane (HCFC-133a)					5					●●
1717-00-6	HCFC-141b / 1,1-dichloro-1-fluoroethane		3		70	10		●●		●●	●●
75-68-3	HCFC-142b / 1-chloro-1,1-difluoroethane		3		5	24		●●		●●	●●
127564-92-5	Dichloropentafluoropropane				114	2				●●	●●
128903-21-9	2,2-Dichloro-1,1,1,3,3-pentafluoropropane (HCFC-225aa)					0					○
422-44-6	1,2-Dichloro-1,1,2,3,3-Pentafluoropropane					0					○
422-48-0	2,3-Dichloro-1,1,1,2,3-Pentafluoropropane					1					●●
422-56-0	3,3-Dichloro-1,1,1,2,2-Pentafluoropropane					5					●●
431-86-7	1,2-Dichloro-1,1,3,3,3-Pentafluoropropane					0					○
507-55-1	1,3-Dichloro-1,1,2,2,3-Pentafluoropropane					2					●●
13474-88-9	1,1-Dichloro-1,2,2,3,3-Pentafluoropropane					0					○
111512-56-2	1,1-Dichloro-1,2,3,3,3-Pentafluoropropane					0					○
460-35-5	HCFC 253, 3-Chloro-1,1,1-Trifluoropropane					0					○
431-07-2	Chlorotrifluoroethane (HCFC-133)				1					●	
	Chlorofluorocarbon (CFCs)										
LCL-63	Chlorofluorocarbons (CFCs) (E-PRTR: Total mass of substances including their isomers listed in Group I and II of Annex I to Regulation (EC) No 2037/2000)			288					●●		
75-69-4	CFC-11, Trichlorofluoromethane		3		18	18		●●		●●	●●
75-71-8	CFC-12, Dichlorodifluoromethane		5		22	18		●●		●●	●●
76-13-1	CFC-113, trichlorotrifluoroethane / USA: Freon 113 [Ethane, 1,1,2-trichloro-1,2,2,-trifluoro-]				2	15				●	●●
76-14-2	CFC-114, Dichlorotetrafluoroethane		1		0	13		●●		○	●●
76-15-3	CFC-115, Monochloropentafluoroethane		0		1	5		○		●	●●
75-72-9	CFC-13, Chlorotrifluoromethane		0		0	4		○		○	●●
LCL-64	CFC-112, Tetrachlorodifluoroethane				1					●	
	Halons										
LCL-65	Halons (E-PRTR: Total mass of substances including their isomers listed in Group III and VI of Annex I to Regulation (EC) No 2037/2000)			11					●●		
353-59-3	Halon 1211, Bromochlorodifluoromethane		0		0	3		○		○	●●
75-63-8	Halon 1301, Bromotrifluoromethane		0		4	4		○		●●	●●
124-73-2	Dibromotetrafluoroethane (Halon 2402)				2	0				●	○
74-83-9	Bromomethane (Methyl bromide)		1		40	30		●●		●●	●●
Greenhouse gases (GHGs)											
	Carbon dioxide (CO2)										
124-38-9	Carbon dioxide / Aus: The Australian National Greenhouse Gas Accounts are published annually by the Australian Government. The national inventory forms the foundation for Australia's efforts to address climate change. By identifying and reporting emissions sources and sinks, and changes in these over time, the inventory provides information fundamental to the development of domestic mitigation policies and programmes, while also tracking Australia's progress towards meeting international commitments. / Cdn: Greenhouse gas emissions are reported to Canada's Greenhouse Gas Emissions Reporting Program (GHGRP), a complementary program to the NPRI, Canada's PRTR. /			2,924					●●●			
	Jpn: Japan has the program to mandate entities that emit considerably large amount of greenhouse gases (GHGs) to account and report their emissions to the government annually. The government publicizes the reported data based on the Act on Promotion of Global Warming Countermeasures since 2006. In addition, the government develops national greenhouse gas inventory and reports it every year to the UNFCCC secretariat under the UNFCCC and the Kyoto Protocol. / USA: The U.S. EPA's TRI Program does not collect release or other waste management quantities of GHGs. However, the U.S. EPA's Office of Air and Radiation (OAR) recently implemented regulations which requires reporting of GHG data and other relevant information from large sources and suppliers in the United States. These data and information will be made available to the public.										
	Methane (CH4)										
74-82-8	Methane / Aus: The Australian National Greenhouse Gas Accounts are published annually by the Australian Government. The national inventory forms the foundation for Australia's efforts to address climate change. By identifying and reporting emissions sources and sinks, and changes in these over time, the inventory provides information fundamental to the development of domestic mitigation policies and programmes, while also tracking Australia's progress towards meeting international commitments. / Cdn: Greenhouse gas emissions are reported to Canada's Greenhouse Gas Emissions Reporting Program (GHGRP), a complementary program to the NPRI, Canada's PRTR. /			1,634					●●●			

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Pollutant		# Facilities Reporting Pollutant					Reporting Score				
CAS Number	Pollutant Name	Australia NPI	Canada NPRI	EU E-PRTR	Japan PRTR	US TRI	Australia NPI	Canada NPRI	EU E-PRTR	Japan PRTR	US TRI
	Jpn: Japan has the program to mandate entities that emit considerably large amount of greenhouse gases (GHGs) to account and report their emissions to the government annually. The government publicizes the reported data based on the Act on Promotion of Global Warming Countermeasures since 2006. In addition, the government develops national greenhouse gas inventory and reports it every year to the UNFCCC secretariat under the UNFCCC and the Kyoto Protocol. / USA: The U.S. EPA's TRI Program does not collect release or other waste management quantities of GHGs. However, the U.S. EPA's Office of Air and Radiation (OAR) recently implemented regulations which requires reporting of GHG data and other relevant information from large sources and suppliers in the United States. These data and information will be made available to the public.										
	Nitrous oxide (N2O)										
10024-97-2	Nitrous oxide / Aus: The Australian National Greenhouse Gas Accounts are published annually by the Australian Government. The national inventory forms the foundation for Australia's efforts to address climate change. By identifying and reporting emissions sources and sinks, and changes in these over time, the inventory provides information fundamental to the development of domestic mitigation policies and programmes, while also tracking Australia's progress towards meeting international commitments. / Cdn: Greenhouse gas emissions are reported to Canada's Greenhouse Gas Emissions Reporting Program (GHGRP), a complementary program to the NPRI, Canada's PRTR. /			638					••		
	Jpn: Japan has the program to mandate entities that emit considerably large amount of greenhouse gases (GHGs) to account and report their emissions to the government annually. The government publicizes the reported data based on the Act on Promotion of Global Warming Countermeasures since 2006. In addition, the government develops national greenhouse gas inventory and reports it every year to the UNFCCC secretariat under the UNFCCC and the Kyoto Protocol. / USA: The U.S. EPA's TRI Program does not collect release or other waste management quantities of GHGs. However, the U.S. EPA's Office of Air and Radiation (OAR) recently implemented regulations which requires reporting of GHG data and other relevant information from large sources and suppliers in the United States. These data and information will be made available to the public.										
	Hydrofluorocarbons (HFCs)										
LCL-66	Hydrofluorocarbons (HFCs) (E-PRTR: Total mass of hydrogen fluorocarbons: sum of HFC23, HFC32, HFC41, HFC4310mee, HFC125, HFC134, HFC134a, HFC152a, HFC143, HFC143a, HFC227ea, HFC236fa, HFC245ca, HFC365mfc) / Aus: The Australian National Greenhouse Gas Accounts are published annually by the Australian Government. The national inventory forms the foundation for Australia's efforts to address climate change. By identifying and reporting emissions sources and sinks, and changes in these over time, the inventory provides information fundamental to the development of domestic mitigation policies and programmes, while also tracking Australia's progress towards meeting international commitments. / Cdn: Greenhouse gas emissions are reported to Canada's Greenhouse Gas Emissions Reporting Program (GHGRP), a complementary program to the NPRI, Canada's PRTR. /			247					••		
	Jpn: Japan has the program to mandate entities that emit considerably large amount of greenhouse gases (GHGs) to account and report their emissions to the government annually. The government publicizes the reported data based on the Act on Promotion of Global Warming Countermeasures since 2006. In addition, the government develops national greenhouse gas inventory and reports it every year to the UNFCCC secretariat under the UNFCCC and the Kyoto Protocol. / USA: The U.S. EPA's TRI Program does not collect release or other waste management quantities of GHGs. However, the U.S. EPA's Office of Air and Radiation (OAR) recently implemented regulations which requires reporting of GHG data and other relevant information from large sources and suppliers in the United States. These data and information will be made available to the public.										
	Perfluorocarbons (PFCs)										
LCL-67	Perfluorocarbons (PFCs) (E-PRTR: Total mass of perfluorocarbons: sum of CF4, C2F6, C3F8, C4F10, c-C4F8, C5F12, C6F14) / Aus: The Australian National Greenhouse Gas Accounts are published annually by the Australian Government. The national inventory forms the foundation for Australia's efforts to address climate change. By identifying and reporting emissions sources and sinks, and changes in these over time, the inventory provides information fundamental to the development of domestic mitigation policies and programmes, while also tracking Australia's progress towards meeting international commitments. / Cdn: Greenhouse gas emissions are reported to Canada's Greenhouse Gas Emissions Reporting Program (GHGRP), a complementary program to the NPRI, Canada's PRTR. /			47					••		

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Pollutant		# Facilities Reporting Pollutant					Reporting Score				
CAS Number	Pollutant Name	Australia NPI	Canada NPRI	EU E-PRTR	Japan PRTR	US TRI	Australia NPI	Canada NPRI	EU E-PRTR	Japan PRTR	US TRI
	Jpn: Japan has the program to mandate entities that emit considerably large amount of greenhouse gases (GHGs) to account and report their emissions to the government annually. The government publicizes the reported data based on the Act on Promotion of Global Warming Countermeasures since 2006. In addition, the government develops national greenhouse gas inventory and reports it every year to the UNFCCC secretariat under the UNFCCC and the Kyoto Protocol. / USA: The U.S. EPA's TRI Program does not collect release or other waste management quantities of GHGs. However, the U.S. EPA's Office of Air and Radiation (OAR) recently implemented regulations which requires reporting of GHG data and other relevant information from large sources and suppliers in the United States. These data and information will be made available to the public.										
	Sulphur hexafluoride (SF6)										
2551-62-4	Sulphur hexafluoride (SF6) / Aus: The Australian National Greenhouse Gas Accounts are published annually by the Australian Government. The national inventory forms the foundation for Australia's efforts to address climate change. By identifying and reporting emissions sources and sinks, and changes in these over time, the inventory provides information fundamental to the development of domestic mitigation policies and programmes, while also tracking Australia's progress towards meeting international commitments. / Cdn: Greenhouse gas emissions are reported to Canada's Greenhouse Gas Emissions Reporting Program (GHGRP), a complementary program to the NPRI, Canada's PRTR. /			36					●●		
	Jpn: Japan has the program to mandate entities that emit considerably large amount of greenhouse gases (GHGs) to account and report their emissions to the government annually. The government publicizes the reported data based on the Act on Promotion of Global Warming Countermeasures since 2006. In addition, the government develops national greenhouse gas inventory and reports it every year to the UNFCCC secretariat under the UNFCCC and the Kyoto Protocol. / USA: The U.S. EPA's TRI Program does not collect release or other waste management quantities of GHGs. However, the U.S. EPA's Office of Air and Radiation (OAR) recently implemented regulations which requires reporting of GHG data and other relevant information from large sources and suppliers in the United States. These data and information will be made available to the public.										
Other gases											
	Ammonia										
7664-41-7	Ammonia (NH3) (E-PRTR) / Ammonia ((includes anhydrous ammonia and aqueous ammonia from water dissociable ammonium salts and other sources; 10 percent of total aqueous ammonia is reportable under this listing) (USA)			5,798		2,315			●●●		●●●
LCL-68	Ammonia (Total)	1,109	562				●●	●●●			
	Chlorine and inorganic compounds (as HCl)										
7782-50-5	Chlorine		157			791		●●			●●●
LCL-69	Chlorine & compounds / Chlorine and inorganic compounds (as HCl)	355		449			●●		●●		
7647-01-0	Hydrochloric acid / USA: Hydrochloric acid (acid aerosols including mists, vapors, gas, fog, and other airborne forms of any particle size)	579	299			1,214	●●	●●●			●●●
	Ethylene oxide										
75-21-8	Ethylene oxide	4	10	10	201	116	●	●●	●●	●●	●●
	Bromine										
7726-95-6	Bromine		4		51	32		●●		●●	●●
	Chlorine dioxide										
10049-04-4	Chlorine dioxide	1	29			113	●	●●			●●
	Carbon monoxide										
630-08-0	Carbon monoxide	2,038	2,808	560			●●●	●●●	●●		
	Fluorine and inorganic compounds (as HF)										
7782-41-4	Fluorine		6			18		●●			●●
LCL-70	Fluorine and inorganic compounds (as HF)			284					●●		
	Hydrogen sulfide										
7783-06-4	Hydrogen sulfide (USA: on TRI list, but reporting requirements currently suspended)	172	204			0	●●	●●			○
	Nitrogen oxides										
11104-93-1	Oxides of nitrogen (expressed as NO2) / Nitrogen oxides (NOx/NO2)	1,956	3,637	2,717			●●●	●●●	●●●		
	Sulphur oxides (SOx/SO2)										
2025-88-4	Sulphur oxides (SOx/SO2) / Sulfur dioxide	1,961	818	1,323			●●●	●●●	●●●		
	water-soluble salts of bromic acid										
LCL-71	water-soluble salts of bromic acid				26					●●	
	Hydrocarbons (gases)										
74-85-1	Ethylene		157			282		●●			●●●
74-86-2	Acetylene		63					●●			
74-98-6	Propane		465					●●●			
115-07-1	Propylene		241			404		●●			●●●
LCL-72	Butane (all isomers)		460					●●●			
25167-67-3	Butene (all isomers)		129					●●			
	Mustard										
505-60-2	Mustard Gas					1					●●
51-75-2	Nitrogen mustard / [2-Chloro-N-(2-chloroethyl)-Nmethylethanamine]					0					○
	Diazomethane										
334-88-3	Diazomethane					0					○
	Ozone										

Pollutant		# Facilities Reporting Pollutant					Reporting Score				
CAS Number	Pollutant Name	Australia NPI	Canada NPRI	EU E-PRTR	Japan PRTR	US TRI	Australia NPI	Canada NPRI	EU E-PRTR	Japan PRTR	US TRI
10028-15-6	Ozone					43					●●
	Sulfuryl fluoride										
2699-79-8	Sulfuryl fluoride					9					●●
	Phosphine										
7803-51-2	Phosphine					4					●●
Polycyclic aromatic hydrocarbons (PAHs)											
	Polycyclic aromatic hydrocarbons (PAHs)										
LCL-73	Polycyclic aromatic hydrocarbons (B[a]Peq)	1,928					●●●				
LCL-74	Polycyclic aromatic hydrocarbons (PAHs) as benzo(a)pyrene (50-32-8), benzo(b)-fluoranthene (205-99-2), benzo(k)fluoranthene (207-08-9), indeno(1,2,3-cd)pyrene (193-39-5)			196					●●		
LCL-75	Polycyclic aromatic compounds (PACs) / Cdn: Canada currently requires reporting on 32 PAHs: 29 as "Part 2" substances (with mandatory reporting triggered at 50 kilograms overall, with individual PAHs reportable at a 5 kilogram threshold); two commercial chemicals, anthracene and naphthalene, listed as "Part 1A" substances at a higher threshold; and creosote listed as a speciated VOC, under "Part 5" of the NPRI substance list.		30			1,866		●●			●●●
56-55-3	Benzo(a)anthracene (USA: included in the Polycyclic aromatic compounds (PACs) category)		63			0		●●			○
205-99-2	Benzo(b)fluoranthene (USA: included in the Polycyclic aromatic compounds (PACs) category)		54			0		●●			○
205-82-3	Benzo(j)fluoranthene (USA: included in the Polycyclic aromatic compounds (PACs) category)		31			0		●●			○
207-08-9	Benzo(k)fluoranthene (USA: included in the Polycyclic aromatic compounds (PACs) category)		45			0		●●			○
206-44-0	Fluoranthene (Cdn) / Benzo(j,k)fluorene (USA) (USA: included in the Polycyclic aromatic compounds (PACs) category)		89	67		0		●●	●●		○
189-55-9	Dibenzo(a,i)pyrene (USA: included in the Polycyclic aromatic compounds (PACs) category)		19			0		●●			○
218-01-9	Benzo(a)phenanthrene (USA: included in the Polycyclic aromatic compounds (PACs) category)		50			0		●●			○
50-32-8	Benzo(a)pyrene (USA: included in the Polycyclic aromatic compounds (PACs) category)		58			0		●●			○
226-36-8	Dibenzo(a,h)acridine (USA: included in the Polycyclic aromatic compounds (PACs) category)		8			0		●●			○
224-42-0	Dibenz(a,j)acridine (USA: included in the Polycyclic aromatic compounds (PACs) category)		20			0		●●			○
53-70-3	Dibenzo(a,h)anthracene (USA: included in the Polycyclic aromatic compounds (PACs) category)		41			0		●●			○
194-59-2	7H-Dibenzo(c,g)carbazole (USA: included in the Polycyclic aromatic compounds (PACs) category)		17			0		●●			○
5385-75-1	Dibenzo(a,e)fluoranthene (USA: included in the Polycyclic aromatic compounds (PACs) category)		3			0		●●			○
192-65-4	Dibenzo(a,e)pyrene (USA: included in the Polycyclic aromatic compounds (PACs) category)		7			0		●●			○
189-64-0	Dibenzo(a,h)pyrene (USA: included in the Polycyclic aromatic compounds (PACs) category)		6			0		●●			○
191-30-0	Dibenzo(a,l)pyrene (USA: included in the Polycyclic aromatic compounds (PACs) category)		4			0		●●			○
57-97-6	7,12-Dimethylbenz(a)-anthracene (USA: included in the Polycyclic aromatic compounds (PACs) category)		8			0		●●			○
193-39-5	Indeno(1,2,3-c,d)pyrene (USA: included in the Polycyclic aromatic compounds (PACs) category)		47			0		●●			○
56-49-5	3-Methylcholanthrene (USA: included in the Polycyclic aromatic compounds (PACs) category)		7			0		●●			○
3697-24-3	5-Methylchrysene (USA: included in the Polycyclic aromatic compounds (PACs) category)		6			0		●●			○
5522-43-0	1-Nitropyrene (USA: included in the Polycyclic aromatic compounds (PACs) category)		4			0		●●			○
42397-64-8	1,6-Dinitropyrene (added to TRI for RY2011, included in the Polycyclic aromatic compounds (PACs) category)					0					○
42397-65-9	1,8-Dinitropyrene (added to TRI for RY2011, included in the Polycyclic aromatic compounds (PACs) category)					0					○
7496-02-8	6-Nitrochrysene (added to TRI for RY2011, included in the Polycyclic aromatic compounds (PACs) category)					0					○
57835-92-4	4-Nitropyrene (added to TRI for RY2011, included in the Polycyclic aromatic compounds (PACs) category)					0					○
8001-58-9	Creosote		9			70		●●			●●
120-12-7	Anthracene (Jpn: PAHs in the PRTR system are limited to chemicals intentionally used and therefore listed individually)		27	62	25	72		●●	●●	●●	●●
191-24-2	Benzo(g,h,i)perylene		49	29		1,349		●●	●●		●●●
91-20-3	Naphthalene (Jpn: PAHs in the PRTR system are limited to chemicals intentionally used and therefore listed individually)		85	139	271	1,204		●●	●●	●●	●●●
LCL-76	methylnaphthalene (Jpn: PAHs in the PRTR system are limited to chemicals intentionally used and therefore listed individually)				1,168					●●●	
83-32-9	acenaphthene (Jpn: PAHs in the PRTR system are limited to chemicals intentionally used and therefore listed individually)		52		22			●●		●●	
85-01-8	Phenanthrene		105			96		●●			●●
192-97-2	Benzo(e)pyrene		44					●●			
198-55-0	Perylene		27					●●			
129-00-0	Pyrene		89					●●			
208-96-8	Acenaphthylene - PAH		61					●●			
86-73-7	Fluorene - PAH		81					●●			
Other organic substances											
	Acetonitrile										
75-05-8	Acetonitrile	110	12		288	124	●●	●●		●●	●●
	Acrolein										
107-02-8	Acrolein	10	12		9	106	●	●●		●●	●●
	Acrylamid										

Long Chemical List

Pollutant		# Facilities Reporting Pollutant					Reporting Score				
CAS Number	Pollutant Name	Australia NPI	Canada NPRI	EU E-PRTR	Japan PRTR	US TRI	Australia NPI	Canada NPRI	EU E-PRTR	Japan PRTR	US TRI
79-06-1	Acrylamid	8	4		108	75	●	●●		●●	●●
	Acrylic and methacrylic acid										
79-10-7	Acrylic acid / acrylic acid and its water-soluble salts (Jpn)	11	8		227	184	●	●●		●●	●●●
79-41-4	methacrylic acid				207					●●	
	Acrylic and methacrylic acid esters										
818-61-1	2-hydroxyethyl acrylate				71					●●	
13048-33-4	hexamethylene diacrylate				39					●●	
80-62-6	Methyl methacrylate	15	22		315	296	●●	●●		●●	●●●
96-33-3	Methyl acrylate		4		96	59		●●		●●	●●
140-88-5	Ethyl acrylate		7		125	86		●●		●●	●●
97-88-1	n-butyl methacrylate				103					●●	
105-16-8	2-(diethylamino)ethyl methacrylate										
106-91-2	2,3-epoxypropyl methacrylate				89					●●	
688-84-6	2-ethylhexyl methacrylate				57					●●	
2867-47-2	2-(dimethylamino)ethyl methacrylate				66					●●	
141-32-2	Butyl acrylate		11		178	144		●●		●●	●●
2439-35-2	2-(dimethylamino)ethyl acrylate				9					●●	
	Acrylonitrile and methacrylonitrile										
107-13-1	Acrylonitrile	116	7		153	99	●●	●●		●●	●●
126-98-7	Methacrylonitrile					4					●●
	Aldehydes										
75-07-0	Acetaldehyde	135	59		62	388	●●	●●		●●	●●●
78-84-2	Isobutyraldehyde		0		12	17		○		●●	●●
90-02-8	Salicylaldehyde				12					●●	
100-52-7	Benzaldehyde				26					●●	
111-30-8	Glutaraldehyde	6			21		●			●●	
123-38-6	Propionaldehyde		1			33		●●			●●
123-63-7	Paraldehyde		0			4		○			●●
123-72-8	Butyraldehyde		2			24		●●			●●
4170-30-3	Crotonaldehyde / 2-butenal		0		3	7		○		●●	●●
	Anilines										
62-53-3	Aniline	1	21		85	47	●	●●		●●	●●
LCL-77	toluidine				34					●●	
95-53-4	o-toluidine					17					●●
636-21-5	o-toluidine hydrochloride					1					●●
95-68-1	2,4-dimethylaniline				0					○	
87-62-7	2,6-dimethylaniline / 2,6-Xylidine				3	3				●●	●●
121-69-7	N,N-Dimethylaniline (and its salts)		0		13	12		○		●●	●●
101-77-9	4,4'-methylenedianiline		0		56	20		○		●●	●●
120-71-8	p-cresidine (2-methoxy-5-methylaniline)				2	1				●	●●
134-29-2	O-Anisidine hydrochloride					0					○
123-30-8	p-aminophenol				13					●●	
591-27-5	m-aminophenol				18					●●	
25376-45-8	Diaminotoluene (mixed isomers) / toluenediamine (Jpn)				14	13				●●	●●
95-80-7	2,4-Diaminotoluene (and its salts) (Cdn) / 2,4-Diaminotoluene (USA)		0			7		○			●●
139-65-1	4,4'-Thiodianiline					0					○
90-04-0	o-anisidine				4	1				●●	●●
104-94-9	p-anisidine					0					○
615-05-4	2,4-diaminoanisole				0	0				○	○
39156-41-7	2,4-diaminoanisole sulfate					0					○
	Biphenyl										
92-52-4	Biphenyl (1,1-biphenyl)	19	23		36	106	●●	●●		●●	●●
	C3-Benzenes										
95-63-6	1,2,4-Trimethylbenzene		314		18,438	1,293		●●●		●●●	●●●
108-67-8	1,3,5-trimethylbenzene				12,581					●●●	
25551-13-7	Trimethylbenzene (all isomers excluding 1,2,4-Trimethylbenzene)		90					●●			
98-82-8	Cumene (1-methylethylbenzene)	840	30		113	320	●●	●●		●●	●●●
	Hydrocarbons (liquids)										
110-54-3	n-Hexane	571	468		16,234	1,261	●●	●●●		●●●	●●●
110-82-7	Cyclohexane	436	160			579	●●	●●			●●●
LCL-78	Pentane (all isomers)		359					●●●			
LCL-79	Pentene (all isomers)		105					●●			
LCL-80	Hexane (all isomers excluding n-hexane)		236					●●			
25264-93-1	Hexene (all isomers)		69					●●			
LCL-81	Heptane (all isomers)		283					●●●			
LCL-82	Octane (all isomers)		185					●●			
LCL-83	Nonane (all isomers)		77					●●			
LCL-84	Decane (all isomers)		48					●●			
LCL-85	Dodecane (all isomers)		13					●●			
8052-41-3	Stoddard solvent		103					●●			
64475-85-0	Mineral spirits		32					●●			
64741-65-7	Heavy alkylate naphtha		20					●●			
64742-47-8	Hydrotreated light distillate		92					●●			
64742-48-9	Hydrotreated heavy naphtha		69					●●			
64742-88-7	Solvent naphtha medium aliphatic		59					●●			
64742-89-8	Solvent naphtha light aliphatic		66					●●			
64742-94-5	Heavy aromatic solvent naphtha		83					●●			
64742-95-6	Light aromatic solvent naphtha		124					●●			
8030-30-6	Naphtha		20					●●			
8032-32-4	VM & P naphtha		53					●●			
8042-47-5	White mineral oil		34					●●			
LCL-86	Cycloheptane (all isomers)		86					●●			
LCL-87	Cyclohexene (all isomers)		33					●●			
LCL-88	Cyclooctane (all isomers)		18					●●			
	BTEX										
71-43-2	Benzene (E-PRTR: Single pollutants are to be reported if the threshold for BTEX (the sum parameter of benzene, toluene, ethyl benzene, xylenes) is exceeded)	687	352	395	18,959	941	●●	●●●	●●	●●●	●●●

Pollutant		# Facilities Reporting Pollutant					Reporting Score				
CAS Number	Pollutant Name	Australia NPI	Canada NPRI	EU E-PRTR	Japan PRTR	US TRI	Australia NPI	Canada NPRI	EU E-PRTR	Japan PRTR	US TRI
100-41-4	Ethylbenzene (E-PRTR: Single pollutants are to be reported if the threshold for BTEX (the sum parameter of benzene, toluene, ethyl benzene, xylenes) is exceeded)	721	251	91	17,660	1,318	●●	●●	●●	●●●	●●●
108-88-3	Toluene (E-PRTR: Single pollutants are to be reported if the threshold for BTEX (the sum parameter of benzene, toluene, ethyl benzene, xylenes) is exceeded)	923	702	113	21,091	2,274	●●	●●●	●●	●●●	●●●
1330-20-7	Xylenes / Xylene (mixed isomers) (E-PRTR: Single pollutants are to be reported if the threshold for BTEX (the sum parameter of benzene, toluene, ethyl benzene, xylenes) is exceeded)	1,064	687	106	22,297	2,112	●●	●●●	●●	●●●	●●●
95-47-6	o-xylene					55					●●
106-42-3	p-xylene					22					●●
108-38-3	m-xylene					37					●●
	1,3-Butadiene										
106-99-0	1,3-Butadiene	158	59		52	194	●●	●●		●●	●●●
	Carbon disulfide										
75-15-0	Carbon disulfide / Carbon disulphide	130	42		37	138	●●	●●		●●	●●
	Diisocyanates										
101-68-8	Methylenebis(phenylisocyanate) (MDI) (USA: specified as Diisocyanates)	7	64		500	0	●	●●		●●	○
5124-30-1	1,1-Methylenebis(4-isocyanatocyclohexane) (USA: specified as Diisocyanates) / methylenebis(4,1-cyclohexylene)diisocyanate (Jpn)		1		46	0		●●		●●	○
4098-71-9	Isophorone diisocyanate (USA: specified as Diisocyanates) / 3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate (Jpn)		7		82	0		●●		●●	○
9016-87-9	Polymeric diphenylmethane diisocyanate (USA: specified as Diisocyanates)		59			0		●●			○
16938-22-0	2,2,4-Trimethylhexamethylene diisocyanate (USA: specified as Diisocyanates)		0			0		○			○
15646-96-5	2,4,4-Trimethylhexamethylene diisocyanate (USA: specified as Diisocyanates)		0			0		○			○
822-06-0	Hexamethylene-1,6- diisocyanate (USA: specified as Diisocyanates)				64	0				●●	○
38661-72-2	1,3-Bis(methylisocyanate) - cyclohexane (USA: specified as Diisocyanates)					0					○
10347-54-3	1,4-Bis(methylisocyanate)-cyclohexane (USA: specified as Diisocyanates)					0					○
2556-36-7	1,4-Cyclohexane diisocyanate (USA: specified as Diisocyanates)					0					○
134190-37-7	Diethyldiisocyanatobenzene (USA: specified as Diisocyanates)					0					○
4128-73-8	4,4'-Diisocyanatodiphenylether (USA: specified as Diisocyanates)					0					○
75790-87-3	2,4'-Diisocyanatodiphenylsulfide (USA: specified as Diisocyanates)					0					○
91-93-0	3,3'-Dimethoxybenzidine-4,4'-diisocyanate (USA: specified as Diisocyanates)					0					○
91-97-4	3,3'-Dimethyl-4,4'-diphenylene diisocyanate (USA: specified as Diisocyanates)				6	0				●●	○
139-25-3	3,3'-Dimethyldiphenylmethane-4,4'-diisocyanate (USA: specified as Diisocyanates)					0					○
75790-84-0	4-Methyldiphenylmethane-3,4-diisocyanate (USA: specified as Diisocyanates)					0					○
3173-72-6	1,5-Naphthalene diisocyanate (USA: specified as Diisocyanates) / 1,5-naphthalenediyl diisocyanate (Jpn)				3	0				●●	○
123-61-5	1,3-Phenylene diisocyanate (USA: specified as Diisocyanates)					0					○
104-49-4	1,4-Phenylene diisocyanate (USA: specified as Diisocyanates)					0					○
LCL-89	Diisocyanates (USA: 20 specified Diisocyanates, see compounds above)					1,130					●●●
	Toluenediisocyanates										
584-84-9	Toluene-2,4-diisocyanate	16	6			46	●●	●●			●●
91-08-7	Toluene-2,6-diisocyanate		5			26		●●			●●
26471-62-5	Toluenediisocyanate (mixed isomers) / tolylene diisocyanate		15		177	135		●●		●●	●●
	2-Ethoxyethanol										
110-80-5	2-Ethoxyethanol / ethylene glycol monoethyl ether	1	6		199	24	●	●●		●●	●●
	Methoxyethanol										
109-86-4	Methoxyethanol / ethylene glycol monomethyl ether	1	4		138	21	●	●●		●●	●●
	Formaldehyde										
50-00-0	Formaldehyde	377	518		705	654	●●	●●●		●●●	●●●
	Glycol ethers										
LCL-90	certain glycol ethers					1,478					●●●
112-34-5	Diethylene glycol butyl ether (USA: incl. in certain glycol ethers)		49					●●			
112-25-4	Ethylene glycol hexyl ether (USA: incl. in certain glycol ethers)		8					●●			
5131-66-8	Propylene glycol butyl ether (USA: incl. in certain glycol ethers)		21					●●			
110-49-6	2-Methoxyethanol acetate / 2-methoxyethyl acetate (USA: incl. in certain glycol ethers)	0	0		22		○	○		●●	
111-76-2	2-Butoxyethanol (USA: incl. in certain glycol ethers)		176					●●			
111-15-9	2-Ethoxyethanol acetate / 2-ethoxyethyl acetate (USA: incl. in certain glycol ethers)	1	2		138		●	●●		●●	
108-65-6	Propylene glycol methyl ether acetate (USA: incl. in certain glycol ethers)		83					●●			
112-07-2	Ethylene glycol butyl ether acetate (USA: incl. in certain glycol ethers)		25					●●			
112-15-2	Diethylene glycol ethyl ether acetate (USA: incl. in certain glycol ethers)		13					●●			
	4,4'-methylenebis[2-chloroaniline]										
101-14-4	4,4'-Methylene-bis(2-chloroaniline) (MOCA) / 3,3'-dichloro-4,4'-diaminodiphenylmethane (Jpn)	0	1		63	20	○	●●		●●	●●
	Organotin compounds (as total Sn)										
LCL-91	Organotin compounds (as total Sn) / organic tin compounds (Jpn)	8		4	165		●		●	●●	
LCL-92	Tributyltin and compounds			6					●		
56-35-9	Bis(tributyltin) oxide					0					○
1983-10-4	Tributyltin fluoride					0					○
2155-70-6	Tributyltin methacrylate					1					●●
LCL-93	Triphenyltin and compounds			5					●		
639-58-7	Triphenyltin chloride					0					○
13356-08-6	hexakis(2-methyl-2-phenylpropyl)distannoxane / fenbutatin oxide				1	0				●	○

Long Chemical List

Pollutant		# Facilities Reporting Pollutant					Reporting Score				
CAS Number	Pollutant Name	Australia NPI	Canada NPRI	EU E-PRTR	Japan PRTR	US TRI	Australia NPI	Canada NPRI	EU E-PRTR	Japan PRTR	US TRI
76-87-9	Triphenyltin hydroxide					4					●●
	Phenols										
LCL-94	Phenols (as total C) (E-PRTR: total mass of phenol and simple substituted phenols)			411					●●		
108-95-2	Phenol	165	72		602	578	●●	●●		●●●	●●●
1319-77-3	Cresol / USA: Cresol (mixed isomers)		22		141	163		●●		●●	●●●
95-48-7	o-cresol					23					●●
106-44-5	p-cresol					19					●●
108-39-4	m-cresol					17					●●
1300-71-6	Dimethyl phenol		0					○			
576-26-1	2,6-xylenol (2,6-Dimethylphenol)				12					●●	
105-67-9	2,4-Dimethylphenol / 2,4-xylenol				11	30				●●	●●
128-37-0	2,6-Di-t-butyl-4-methylphenol / 2,6-di-tert-butyl-4-cresol		1		165			●●		●●	
96-76-4	2,4-di-tert-butylphenol				9					●●	
89-72-5	o-sec-butylphenol				1					●	
98-54-4	4-tert-butylphenol				51					●●	
88-60-8	2-tert-butyl-5-methylphenol				1					●	
90-43-7	o-Phenylphenol (and its salts) (Cdn) / 2-Phenylphenol (USA)		0		6	10		○		●●	●●
108-98-5	Thiophenol				3					●●	
	Phthalates										
117-81-7	Di-(2-ethyl hexyl) phthalate (DEHP) / bis(2-ethylhexyl)phthalate (Jpn)	8	29	301	704	191	●	●●	●●	●●●	●●●
84-74-2	Dibutyl phthalate	5	15		236	102	●	●●		●●	●●
85-68-7	Butyl benzyl phthalate		12		61			●●		●●	
117-84-0	Di-n-octyl phthalate		5					●●			
84-66-2	Diethyl phthalate		1		10			●●		●●	
120-61-6	Dimethyl terephthalate				40					●●	
131-11-3	Dimethyl phthalate		1			82		●●			●●
131-17-9	diallyl phthalate				22					●●	
	Styrenes										
100-42-5	Styrene	179	178		731	1,272	●●	●●		●●●	●●●
96-09-3	Styrene oxide, phenyloxirane		0		2	2		○		●	●●
98-83-9	α-methylstyrene				59					●●	
29082-74-4	Octachlorostyrene					6					●●
	Aromatic nitro compounds										
51-28-5	2,4-dinitrophenol				6	11				●●	●●
88-75-5	2-(1-methylpropyl)-4,6-dinitrophenol (2-nitrophenol)				6	3				●●	●●
100-02-7	p-nitrophenol (and its salts) (Cdn) / p-nitrophenol (Jpn) / 4-Nitrophenol (USA)		0			3		○			●●
534-52-1	4,6-dinitro-o-cresol		0			3		○			●●
88-72-2	o-nitrotoluene				4					●●	
121-14-2	2,4-Dinitrotoluene		1			10		●●			●●
606-20-2	2,6-Dinitrotoluene		0			3		○			●●
25321-14-6	Dinitrotoluene (mixed isomers)		0		13	13		○		●●	●●
88-74-4	o-nitroaniline				3					●●	
100-01-6	p-Nitroaniline		0			3		○			●●
99-54-7	1,2-dichloro-4-nitrobenzene				0					○	
89-61-2	1,4-dichloro-2-nitrobenzene				1					●	
97-00-7	1-chloro-2,4-dinitrobenzene				4					●●	
121-87-9	2-chloro-4-nitroaniline				1					●	
88-73-3	2-chloronitrobenzene				1					●	
98-95-3	Nitrobenzene		0		13	22		○		●●	●●
99-65-0	m-Dinitrobenzene					3					●●
100-25-4	p-Dinitrobenzene					1					●●
528-29-0	o-Dinitrobenzene					1					●●
99-55-8	5-nitro-o-toluidine					2					●●
100-00-5	p-nitrochlorobenzene				7					●●	
88-85-7	Dinitrobutyl phenol (Dinoseb)					8					●●
88-89-1	Picric acid (2,4,6-trinitrophenol)					7					●●
99-59-2	5-nitro-o-anisidine					0					○
91-23-6	o-Nitroanisole (added to TRI for RY2011)				2	0				●	○
	Bisphenol A										
80-05-7	4,4'-isopropylidenediphenol / bisphenol A		7		190	136		●●		●●	●●
	1,2-Butylene oxide										
106-88-7	1,2-Butylene oxide / 1,2-epoxybutane		0		13	9		○		●●	●●
	Calcium cyanamide										
156-62-7	Calcium cyanamide		0		13	3		○		●●	●●
	Catechol										
120-80-9	Catechol / pyrocatechol		1		41	112		●●		●●	●●
	Cumene hydroperoxide										
80-15-9	Cumene hydroperoxide / 1-methyl-1-phenylethyl hydroperoxide		2		11	30		●●		●●	●●
	Cyclic ethers										
123-91-1	1,4-Dioxane		2		98	37		●●		●●	●●
109-99-9	Tetrahydrofuran		23					●●			
	Dicyclopentadiene										
77-73-6	Dicyclopentadiene		11		51	81		●●		●●	●●
	Diphenylamine										
122-39-4	Diphenylamine		9		26	31		●●		●●	●●
	Epichlorohydrin										
106-89-8	Epichlorohydrin		0		111	65		○		●●	●●
	Epoxy compounds										
75-56-9	Propylene oxide (1,2-epoxypropane)		0		66	97		○		●●	●●
106-92-3	1-allyloxy-2,3-epoxypropane				19					●●	
122-60-1	2,3-epoxypropyl phenyl ether				16					●●	
556-52-5	2,3-epoxy-1-propanol (Japan) / Glycidol (USA: added to TRI for RY2011)				10	0				●●	○
1464-53-5	Diepoxybutane					0					○
2451-62-9	1,3,5-tris(2,3-epoxypropyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione				34					●●	
	Ethylene glycol										

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107-21-1	Ethylene glycol	45	315			1,319	●●	●●●			●●●
	Ethylene thiourea										
96-45-7	Ethylene thiourea (2-imidazolidinethione)		0		35	6		○		●●	●●
	Hydrazines										
302-01-2	Hydrazine (Jpn, USA) / Hydrazine (and its salts) (Cdn)		3		216	48		●●		●●	●●
10034-93-2	Hydrazine sulfate					0					○
57-14-7	1,1-Dimethyl hydrazine				7	1				●●	●●
60-34-4	Methyl hydrazine					1					●●
100-63-0	phenylhydrazine				1					●	
122-66-7	1,2-Diphenylhydrazine					1					●●
	Ketone solvents										
67-64-1	Acetone	168					●●				
108-10-1	Methyl isobutyl ketone	129	192			522	●●	●●			●●●
78-93-3	Methyl ethyl ketone	163	310				●●	●●●			
106-35-4	Ethyl butyl ketone	0					○				
	Maleic anhydride										
108-31-6	Maleic anhydride		11		216	172		●●		●●	●●●
	N,N-Dimethylformamide										
68-12-2	N,N-Dimethylformamide		7		467	141		●●		●●	●●
	Nitroglycerin										
55-63-0	Nitroglycerin		2		8	52		●●		●●	●●
	Nitrilotriacetic acid										
139-13-9	Nitrilotriacetic acid (Jpn, USA) / Nitrilotriacetic acid (and its salts) (Cdn)		3		10	5		●●		●●	●●
	Nonylphenol										
LCL-95	Nonylphenol and Nonylphenol ethoxylates (NP/NPEs) / Nonylphenol and its ethoxylates		43	264	0			●●	●●	○	
25154-52-3	Nonylphenol				75					●●	
	Octylphenol										
1806-26-4	Octylphenols and Octylphenols ethoxylates / Octylphenol and its ethoxylates		6	66				●●	●●		
LCL-96	p-octylphenol				48					●●	
9036-19-5	poly(oxyethylene) octylphenyl ether				87					●●	
	Phenylenediamines										
LCL-97	phenylenediamine				41					●●	
95-54-5	o-phenylenediamine (1,2-Phenylenediamine)					5					●●
106-50-3	p-Phenylenediamine (Jpn, USA) / p-Phenylenediamine (and its salts) (Cdn)		2			11		●●			●●
108-45-2	m-phenylenediamine (1,3-Phenylenediamine)					17					●●
615-28-1	1,2-phenylenediamine dihydrochloride					0					○
624-18-0	1,4-phenylenediamine dihydrochloride					0					○
	Phthalic anhydride										
85-44-9	Phthalic anhydride		12		160	128		●●		●●	●●
	Pyridines										
110-86-1	Pyridine (Jpn, USA) / Pyridine (and its salts) (Cdn)		4		101	45		●●		●●	●●
100-69-6	2-vinylpyridine				6					●●	
108-99-6	3-methylpyridine				10					●●	
109-06-8	2-Methylpyridine		0			6		○			●●
	Quinoline										
91-22-5	Quinoline (and its salts) (Cdn) / Quinoline (USA)		5		20	12		●●		●●	●●
	Quinones										
106-51-4	Quinone, p-Quinone		0			5		○			●●
123-31-9	Hydroquinone		0		85	51		○		●●	●●
82-28-0	1-AMINO-2-METHYLANTHRAQUINONE					0					○
82-45-1	1-amino-9,10-anthraquinone				0					○	
118-75-2	2,3,5,6-tetrachloro-p-benzoquinone				0					○	
117-79-3	2-AMINOANTHRAQUINONE					0					○
81-49-2	1-Amino-2,4-dibromoanthraquinone (added to TRI for RY2011)					0					○
LCL-98	Anthraquinone (all isomers)		8					●●			
	Saturated alcohols										
67-56-1	Methanol	65	675			1,990	●●	●●●			●●●
64-17-5	Ethanol	495	355				●●	●●●			
67-63-0	Isopropyl alcohol (USA: (only persons who manufacture by the strong acid process are subject, no supplier notification)		416			0		●●●			○
71-36-3	n-Butyl alcohol		93			736		●●			●●●
78-83-1	i-Butyl alcohol		57					●●			
78-92-2	sec-Butyl alcohol		1			92		●●			●●
75-65-0	tert-Butyl alcohol		4			93		●●			●●
3452-97-9	3,5,5-trimethyl-1-hexanol				8					●●	
143-08-8	1-nonanol / n-nonyl alcohol				11					●●	
112-30-1	decyl alcohol / decanol				37					●●	
112-53-8	1-dodecanol / n-dodecyl alcohol				58					●●	
111-87-5	1-Octanol				45					●●	
	Thiourea										
62-56-6	Thiourea		1		76	12		●●		●●	●●
	Unsaturated aliphatic alcohols										
107-18-6	Allyl alcohol		1		35	35		●●		●●	●●
107-19-7	Propargyl alcohol		0		6	7		○		●●	●●
	Vinyl acetate										
108-05-4	Vinyl acetate		27		150	157		●●		●●	●●●
	Volatile organic compounds (VOCs)										
LCL-99	Volatile organic compounds (VOCs) (Canada: Sum of VOCs meeting the definition of Schedule 1 [65] of the Canadian Environmental Protection Act, 1999--see: http://www.ec.gc.ca/lcpe-cepa/default.asp?lang=En&n=0DA2924D-1&wsdoc=4ABEFFC8-5BEC-B57A-F4BF-11069545E434).		1,786					●●●			
LCL-100	Non-methane volatile organic compounds (NMVOC)			909					●●		
LCL-101	Total volatile organic compounds	3,084					●●●				

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CAS Number	Pollutant Name	Australia NPI	Canada NPRI	EU E-PRTR	Japan PRTR	US TRI	Australia NPI	Canada NPRI	EU E-PRTR	Japan PRTR	US TRI
	1,3-dioxolane										
646-06-0	1,3-dioxolane				28					●●	
	divinylbenzene										
1321-74-0	divinylbenzene				31					●●	
	diphenyl ether										
101-84-8	diphenyl ether				20					●●	
	Ethylenebisdithiocarbamic acid, salts and esters										
LCL-102	ethylenebisdithiocarbamic acid, salts and esters					8					●●
	1,3-diphenylguanidine										
102-06-7	1,3-diphenylguanidine				36					●●	
	N,N-dimethylacetamide										
127-19-5	N,N-dimethylacetamide				151					●●	
	N-(1,3-dimethylbutyl)-N'-phenyl-p-phenylenediamine										
793-24-8	N-(1,3-dimethylbutyl)-N'-phenyl-p-phenylenediamine				60					●●	
	hydrogenated terphenyl										
61788-32-7	hydrogenated terphenyl				13					●●	
	sodium salt of 2-sulfohexadecanoic acid 1-methyl ester										
4016-24-4	sodium salt of 2-sulfohexadecanoic acid 1-methyl ester				2					●	
	carbonic acids / dicarbonic acids										
334-48-5	decanoic acid				37					●●	
124-04-9	Adipic acid		13					●●			
149-57-5	2-ethylhexanoic acid				60					●●	
	sodium dodecyl sulfate										
151-21-3	sodium dodecyl sulfate				77					●●	
	1,2-bis(2-chlorophenyl)hydrazine										
782-74-1	1,2-bis(2-chlorophenyl)hydrazine				0					○	
	Furans										
110-00-9	Furan (USA: added to TRI for RY2011)				4	0				●●	○
98-00-0	Furfuryl alcohol		14					●●			
	Nitrosodiphenylamine										
86-30-6	N-Nitrosodiphenylamine		0			2		○			●●
156-10-5	P-Nitrosodiphenylamine					1					●●
	Phosgene										
75-44-5	Phosgene		1			22		●●			●●
	Terpens										
68956-56-9	Terpene (all isomers)		12					●●			
123-35-3	Myrcene		58					●●			
5989-27-5	Limonene,D-		93					●●			
80-56-8	Alpha-Pinene		154					●●			
127-91-3	Beta-Pinene		149					●●			
555-10-2	Beta-Phellandrene		68					●●			
	betanaphthol										
135-19-3	betanaphthol				13					●●	
	benzophenone										
119-61-9	benzophenone				17					●●	
	sodium poly(oxyethylene) dodecyl ether sulfate										
9004-82-4	sodium poly(oxyethylene) dodecyl ether sulfate				95					●●	
	n-alkylbenzenesulfonic acid and its salts (alkyl c=10-14)										
LCL-103	n-alkylbenzenesulfonic acid and its salts (alkyl c=10-14)				220					●●	
	poly(oxyethylene) alkyl ether (alkyl c=12-15)										
LCL-104	poly(oxyethylene) alkyl ether (alkyl c=12-15)				538					●●●	
	Michler's ketone (and its salts)										
90-94-8	Michler's ketone (and its salts) (Cdn) / Michler's ketone (USA)		0			0		○			○
	Adipate										
103-23-1	Bis(2-ehtylhexyl) adipate		17					●●			
	Ethyl acetate										
141-78-6	Ethyl acetate	143	160				●●	●●			
	Benzidine										
92-87-5	Benzidine					2					●●
91-94-1	3,3'-dichlorobenzidine				6	0				●●	○
119-90-4	3,3'-dimethoxybenzidine					1					●●
612-83-9	3,3'-Dichlorobenzidine dihydrochloride		1			5		●●			●●
119-93-7	3,3'-dimethylbenzidine / o-tolidine				5	1				●●	●●
612-82-8	3,3'-Dimethylbenzidine dihydrochloride (o-Tolidine dihydrochloride)					0					○
20325-40-0	3,3'-dimethoxybenzidine dihydrochloride					3					●●
111984-09-9	3,3'-dimethoxybenzidine hydrochloride					0					○
41766-75-0	3,3'-dimethoxybenzidine dihydrofluoride					0					○
64969-34-2	3,3'-dichlorobenzidine sulfate					0					○
	Safroles										
94-59-7	Safrole		0			2		○			●●
94-58-6	Dihydrosafrole					1					●●
120-58-1	Isosafrole		0			2		○			●●
	Isoprene										
78-79-5	Isoprene (USA: added to TRI for RY2011)		8		33	0		●●		●●	○
	Methyleugenol										
93-15-2	Methyleugenol (added to TRI for RY2011)					0					○
	Ethylenediaminetetraacetic acid (EDTA)										
60-00-4	Ethylenediaminetetraacetic acid				69					●●	
	Amines										
74-89-5	methylamine				23					●●	
107-15-3	ethylenediamine				115					●●	
121-44-8	Triethylamine		7		261	119		●●		●●	●●
124-40-3	Dimethylamine		1		49	74		●●		●●	●●
107-11-9	Allylamine / 3-amino-1-propene				2	3				●	●●
102-82-9	tributylamine				21					●●	

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101-83-7	N,N-dicyclohexylamine				122					●●	
112-18-5	N,N-dimethyldodecylamine				13					●●	
108-91-8	cyclohexylamine				70					●●	
	Nitromethanes										
75-52-5	Nitromethane (added to TRI for RY2011)				8	0				●●	○
509-14-8	Tetranitromethane (added to TRI for RY2011)					0					○
	Methyl iodide										
74-88-4	Methyl iodide		0			12		○			●●
	Phenolphthalein										
77-09-8	Phenolphthalein (added to TRI for RY2011)					0					○
	Diethyl sulfate										
64-67-5	Diethyl sulfate		1			18		●●			●●
	Dimethyl sulfate										
77-78-1	Dimethyl sulfate		0			24		○			●●
	dimethyl disulfide										
624-92-0	dimethyl disulfide				14					●●	
	Cyclohexanol										
108-93-0	Cyclohexanol		2			17		●●			●●
	Benzoyl peroxide										
94-36-0	Benzoyl peroxide		6			47		●●			●●
	bis(1-methyl-1-phenylethyl) peroxide										
80-43-3	bis(1-methyl-1-phenylethyl) peroxide				39					●●	
	tert-butyl hydroperoxide										
75-91-2	tert-butyl hydroperoxide				20					●●	
	2-Mercaptobenzothiazole										
149-30-4	2-Mercaptobenzothiazole		3		52	24		●●		●●	●●
	2-(morpholinodithio)benzothiazole										
95-32-9	2-(morpholinodithio)benzothiazole				8					●●	
	Imines										
75-55-8	Propyleneimine					4					●●
151-56-4	ethyleneimine				4	0				●●	○
	CARBONYL SULFIDE										
463-58-1	CARBONYL SULFIDE		65			135		●●			●●
	Terephthalic acid										
100-21-0	Terephthalic acid				84					●●	
	Ethyl chloroformate										
541-41-3	Ethyl chloroformate		0			4		○			●●
	N-Methyl-2-pyrrolidone										
872-50-4	N-Methyl-2-pyrrolidone		34			362		●●			●●●
	N-vinyl-2-pyrrolidone										
88-12-0	N-vinyl-2-pyrrolidone				15					●●	
	Short chain fatty acids										
64-18-6	Formic acid		21			313		●●			●●●
64-19-7	Acetic acid (ethanoic acid)	45					●●				
	Acetophenones										
98-86-2	Acetophenone		1			34		●●			●●
532-27-4	2-chloroacetophenone					0					○
	Peracetic acid										
79-21-0	Peracetic acid (Peracetic acid (and its salts))		3			66		●●			●●
	Alkaloids										
357-57-3	Brucine					0					○
LCL-105	strychnine and salts					1					●●
	2-Nitropropane										
79-46-9	2-Nitropropane		0			9		○			●●
	Methyl tert-butyl ether										
1634-04-4	Methyl tert-butyl ether		8			149		●●			●●●
	Diethanolamine										
111-42-2	Diethanolamine (and its salts) (Cdn) / Diethanolamine (USA)		47			302		●●			●●●
	Dimethyldithiocarbamates										
128-04-1	Sodium Dimethyldithiocarbamate					30					●●
128-03-0	Potassium Dimethyldithiocarbamate					13					●●
137-41-7	Potassium N-methyldithiocarbamate					7					●●
LCL-106	water-soluble salts of dimethyldithiocarbamic acid				7					●●	
	TOC										
LCL-107	Total organic carbon (TOC) (as total C or COD/3)			1,925					●●●		
Active substances of plant protection products or biocidal products											
	Alachlor										
15972-60-8	Alachlor (2-chloro-2',6'-diethy-N-(methoxymethyl)acetanilide)			4	3	5			●	●●	●●
	Diuron										
330-54-1	Diuron (3-(3,4-dichlorophenyl)-1,1-dimethylurea) / DCMU			86	40	19			●●	●●	●●
	Triazine compounds										
1912-24-9	Atrazine (2-chloro-4-ethylamino-6-isopropylamino-1,3,5-triazine)			6	1	22			●	●	●●
122-34-9	Simazine (2-chloro-4,6-bis(ethylamino)-1,3,5-triazine)			8	3,031	6			●	●●●	●●
108-77-0	2,4,6-trichloro-1,3,5-triazine				20					●●	
1014-70-6	simetryn / 2,4-bis(ethylamino)-6-methylthio-1,3,5-triazine				4					●●	
	Trifluralin										
1582-09-8	Trifluralin (α,α,α-trifluoro-2,6-dinitro-N,N-dipropyl-p-toluidine)			1	3	30			●	●●	●●
	chloridazon										
1698-60-8	5-amino-4-chloro-2-phenylpyridazin-3(2H)-one				1					●	
	metribuzin										
21087-64-9	4-amino-6-tert-butyl-3-methylthio-1,2,4-triazin-5(4H)-one				4	10				●●	●●
	metamitron										
41394-05-2	4-amino-3-methyl-6-phenyl-1,2,4-triazin-5(4H)-one				2					●	
	fenamiphos										

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22224-92-6	O-ethyl-O-(3-methyl-4-methylthiophenyl) N-isopropylaminophosphonate				0					○	
	bifenazate										
149877-41-8	isopropyl 2-(4-methoxybiphenyl-3-yl)hydrazinoformate				1					●	
	flutolanil										
66332-96-5	3'-isopropoxy-2-trifluoromethylbenzanilide				5					●●	
	iminoctadine										
13516-27-3	1,1'-[iminodi(octamethylene)]diguanidine				4					●●	
	butamifos										
36335-67-8	O-ethyl O-(6-nitro-m-tolyl)sec-butylphosphoramidothioate				5					●●	
	EPN										
2104-64-5	O-ethyl O-4-nitrophenyl phenylphosphonothioate				2,984					●●●	
	alanycarb										
83130-01-2	ethyl (Z)-3-[N-benzyl-N-[[methyl(1-methylthioethylideneaminooxycarbonyl)amino]thio]amino]propionate				1					●	
	fosthiazate										
98886-44-3	O-ethyl S-1-methylpropyl (2-oxo-3-thiazolidinyl)phosphonothioate				4					●●	
	mancozeb										
8018-01-7	complex compounds of manganese N,N'-ethylenebis(dithiocarbamate)and zinc N,N'-ethylenebis(dithiocarbamate)				8					●●	
	diquat dibromide										
85-00-7	1,1'-ethylene-2,2'-bipyridinium dibromide				4					●●	
	etofenprox										
80844-07-1	2-(4-ethoxyphenyl)-2-methylpropyl 3-phenoxybenzyl ether				19					●●	
	mixture of emamectinB1a benzoate and emamectinB1b benzoate										
155569-91-8	emamectin benzoate				0					○	
	tolfenpyrad										
129558-76-5	4-chloro-3-ethyl-1-methyl-N-[4-(p-tolyloxy)benzyl]pyrazole-5-carboxamide				2					●	
	fluazinam										
79622-59-6	3-chloro-N-(3-chloro-5-trifluoromethyl-2-pyridyl)-α,α,α-trifluoro-2,6-dinitro-p-toluidine				4					●●	
	pretilachlor										
51218-49-6	2-chloro-2',6'-diethyl-N-(2-propoxyethyl)acetanilide				16					●●	
	mecoprop										
7085-19-0	(RS)-2-(4-chloro-o-tolyloxy)propionic acid				3					●●	
	indanofan										
133220-30-1	(RS)-2-[2-(3-chlorophenyl)-2,3-epoxypropyl]-2-ethylindane-1,3-dione				1					●	
	fentrazamide										
158237-07-1	4-(2-chlorophenyl)-N-cyclohexyl-N-ethyl-4,5-dihydro-5-oxo-1H-tetrazole-1-carboxamide				7					●●	
	hexythiazox										
78587-05-0	(4RS,5RS)-5-(4-chlorophenyl)-N-cyclohexyl-4-methyl-2-oxo-1,3-thiazolidine-3-carboxamide				3					●●	
	tebuconazole										
107534-96-3	(RS)-1-p-chlorophenyl-4,4-dimethyl-3-(1H-1,2,4-triazol-1-ylmethyl)pentan-3-ol				5					●●	
	fenbuconazole										
114369-43-6	(RS)-4-(4-chlorophenyl)-2-phenyl-2-(1H-1,2,4-triazol-1-ylmethyl)butyronitrile				1					●	
	cumyluron										
99485-76-4	1-(2-chlorobenzyl)-3-(1-methyl-1-phenylethyl)urea				2					●	
	diclocymet										
139920-32-4	(RS)-2-cyano-N-[(R)-1-(2,4-dichlorophenyl)ethyl]-3,3-dimethylbutyramide				3					●●	
	tralomethrin										
66841-25-6	(S)-alpha-cyano-3-phenoxybenzyl (1R,3S)-2,2-dimethyl-3-(1,2,2,2-tetrabromoethyl)cyclopropanecarboxylate				0					○	
	cymoxanil										
57966-95-7	trans-1-(2-cyano-2-methoxyiminoacetyl)-3-ethylurea				5					●●	
	cartap										
15263-53-3	1,3-dicarbamoylthio-2-(N,N-dimethylamino)-propane				4					●●	
	iprodione										
36734-19-7	3-(3,5-dichlorophenyl)-N-isopropyl-2,4-dioxoimidazolidine-1-carboxamide				3					●●	
	tetraconazole										
112281-77-3	(RS)-2-(2,4-dichlorophenyl)-3-(1H-1,2,4-triazol-1-yl)propyl 1,1,2,2-tetrafluoroethyl ether				0					○	
	oxaziclomefone										
153197-14-9	3-[1-(3,5-dichlorophenyl)-1-methylethyl]-3,4-dihydro-6-methyl-5-phenyl-2H-1,3-oxazin-4-one				8					●●	
	pyrazoxyfen										
71561-11-0	2-[4-(2,4-dichlorobenzoyl)-1,3-dimethyl-5-pyrazolyloxy]acetophenone				1					●	
	pyrazolynate										
58011-68-0	4-(2,4-dichlorobenzoyl)-1,3-dimethyl-5-pyrazolyl 4-toluenesulfonate				6					●●	
	dithianon										
3347-22-6	2,3-dicyano-1,4-dithiaanthraquinone				2					●	
	isoprothiolane										
50512-35-1	diisopropyl 1,3-dithiolan-2-ylidenemalonate				6					●●	
	carbosulfan										

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55285-14-8	2,3-dihydro-2,2-dimethyl-7-benzo[b]furyl N-(dibutylamino)thio-N-methylcarbamate				1					●	
	thiocyclam										
31895-21-3	5-dimethylamino-1,2,3-trithiane				2					●	
	benfuracarb										
82560-54-1	2,2-dimethyl-2,3-dihydro-1-benzofuran-7-yl N-[N-(2-ethoxycarbonylethyl)-N-isopropylsulfenamoyl]-N-methylcarbamate				4					●●	
	ioxynil octanoate										
3861-47-0	3,5-diiodo-4-octanoyloxybenzonitrile				1					●	
	phthalide										
27355-22-2	4,5,6,7-tetrachloroisobenzofuran-1(3H)-one				7					●●	
	tefluthrin										
79538-32-2	2,3,5,6-tetrafluoro-4-methylbenzyl(Z)-3-(2-chloro-3,3,3-trifluoro-1-propenyl)-2,2-dimethylcyclopropanecarboxylate				1					●	
	cadusafos										
95465-99-9	S,S-bis(1-methylpropyl) O-ethyl phosphorodithioate				2					●	
	buprofezin										
69327-76-0	2-tert-butylimino-3-isopropyl-5-phenyltetrahydro-4H-1,3,5-thiadiazin-4-one				4					●●	
	tebufenozide										
112410-23-8	N-tert-butyl-N'-(4-ethylbenzoyl)-3,5-dimethylbenzohydrazide				2					●	
	diafenthiuron										
80060-09-9	1-tert-Butyl-3-(2,6-diisopropyl-4-phenoxyphenyl)thiourea				0					○	
	fenpyroximate										
134098-61-6	tert-butyl 4-{{[(1,3-dimethyl-5-phenoxy-4-pyrazolyl)methylidene]aminooxy}methyl}benzoate				1					●	
	pyridaben										
96489-71-3	2-tert-butyl-5-(4-tert-butylbenzylthio)-4-chloro-3(2H)-pyridazinone				1					●	
	butachlor										
23184-66-9	N-butoxymethyl-2-chloro-2',6'-diethylacetanilide				7					●●	
	ferimzone										
89269-64-7	(Z)-2'-methylacetophenone 4,6-dimethyl-2-pyrimidinylhydrazone				7					●●	
	indoxacarb										
173584-44-6	methyl (S)-7-chloro-2,3,4a,5-tetrahydro-2-[methoxycarbonyl(4-trifluoromethoxyphenyl)carbamoyl]indeno[1,2-e][1,3,4]oxadiazine-4a-carboxylate				1					●	
	azoxystrobin										
131860-33-8	methyl (E)-2-[2-[6-(2-cyanophenoxy)pyrimidin-4-yloxy]phenyl]-3-methoxyacrylate				2					●	
	carbam										
144-54-7	N-methyldithiocarbamic acid				2					●	
	oxamyl										
23135-22-0	methyl-N',N'-dimethyl-N-[(methylcarbamoyl)oxy]-1-thiooxamimidate				3					●●	
	pyriminobac-methyl										
136191-64-5	methyl 2-(4,6-dimethoxy-2-pyrimizinyloxy)-6-[1-(methoxyimino)ethyl]benzoate				5					●●	
	mepronil										
55814-41-0	2-methyl-N-[3-(1-methylethoxy)phenyl]benzamide				4					●●	
	methomyl										
16752-77-5	S-methyl-N-(methylcarbamoyloxy)thioacetimidate				3					●●	
	trifloxystrobin										
141517-21-7	methyl (E)-methoxyimino-[2-[[[[(E)-1-[3-(trifluoromethyl)phenyl]ethylidene]amino]oxy]methyl]phenyl]acetate				2					●	
	kresoxim-methyl										
143390-89-0	methyl (E)-methoxyimino[2-(o-tolyloxymethyl)phenyl]acetate				3					●●	
	phenmedipham										
13684-63-4	3-methoxycarbonylaminophenyl 3'-methylcarbanilate				1					●	
	pyributicarb										
88678-67-5	O-3-tert-butylphenyl N-(6-methoxy-2-pyridyl)-N-methylthiocarbamate				6					●●	
	Chlorfenvinphos										
470-90-8	Chlorfenvinphos			1					●		
	Chlorpyrifos										
5598-13-0	Chlorpyrifos methyl [O,O-Dimethyl-O-(3,5,6-trichloro-2-pyridyl)phosphorothioate]					0					○
2921-88-2	Chlorpyrifos			0	2				○	●	
	Endosulphan										
115-29-7	Endosulphan / 6,7,8,9,10,10-hexachloro-1,5,5a,6,9,9a-hexahydro-6,9-methano-2,4,3-benzodioxathiepine 3-oxide			2	0				●	○	
	Hexachlorocyclohexane										
608-73-1	1,2,3,4,5, 6-hexachlorocyclohexane (HCH)			5					●		
	Isodrin										
465-73-6	Isodrin			13		2			●●		●●
	Isoproturon										
34123-59-6	Isoproturon			42					●●		
	2,4-D										
94-75-7	2,4-D (2,4-dichlorophenoxyacetic acid) / 2,4-PA				3	25				●●	●●
2702-72-9	2,4-D sodium salt					1					●●
	2,4-D esters										
94-80-4	2,4-D butyl ester					0					○
01928-43-4	2,4-D 2-ethylhexyl ester					14					●●
94-11-1	2,4-D isopropyl ester					1					●●
01929-73-3	2,4-D butoxyethyl ester					6					●●
1320-18-9	2,4-D propylene glycol butyl ether ester					1					●●

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CAS Number	Pollutant Name	Australia NPI	Canada NPRI	EU E-PRTR	Japan PRTR	US TRI	Australia NPI	Canada NPRI	EU E-PRTR	Japan PRTR	US TRI
53404-37-8	2,4-D 2-ethyl-4-methylpentyl ester					0					○
	2,4-DP										
120-36-5	2,4-DP					0					○
	2,4-DB										
94-82-6	2,4-DB					1					●●
	Dicofol										
115-32-2	Dicofol [Benzenemethanol, 4-chloro-.alpha.-4-(chlorophenyl)-.alpha.-(trichloromethyl)-]					1					●●
	Glyoxal										
107-22-2	Glyoxal				41					●●	
	Methoxone										
94-74-6	Methoxone ((4-chloro-2-methylphenoxy)acetic acid) / MCP / MCPA				2	3				●	●●
3653-48-3	Methoxone sodium salt					0					○
	Pronamide										
23950-58-5	Pronamide (3,5-dichloro-N-(1,1-dimethyl-2-propynyl)benzamide)				0	3				○	●●
	Pendimethalin										
40487-42-1	Pendimethalin (N-(1-ethylpropyl)-2,6-dinitro-3,4-xylidine)				7	20				●●	●●
	Amitrole										
61-82-5	Amitrole (3-amino-1H-1,2,4-triazole)					2					●●
	Naled										
300-76-5	Naled (1,2-dibromo-2,2-dichloroethyl dimethyl phosphate)					2					●●
	Quintozene										
82-68-8	Quintozene (pentachloronitrobenzene)					8					●●
	Linuron										
330-55-2	Linuron (3-(3,4-dichlorophenyl)-1-methoxy-1-methylurea)				5	5				●●	●●
	Diazinon										
333-41-5	Diazinon (O,O-diethyl O-2-isopropyl-6-methyl-4-pyrimidinyl phosphorothioate)				16	12				●●	●●
	Dazomet										
533-74-4	Dazomet (2-thiono-3,5-dimethyltetrahydro-2H-1,3,5-thiadiazine)				3	15				●●	●●
53404-60-7	Dazomet, sodium salt					1					●●
	Trichlorfon										
52-68-6	Trichlorfon (dimethyl 2,2,2-trichloro-1-hydroxyethylphosphonate)				7	2				●●	●●
	Benomyl										
17804-35-2	Benomyl (methyl N-[1-(N-n-butylcarbamoyl)-1H-2-benzimidazolyl]carbamate)				11	1				●●	●●
	Thiobencarb										
28249-77-6	Thiobencarb (S-4-chlorobenzyl N,N-diethylthiocarbamate)				3,031	1				●●●	●●
	Amitraz										
33089-61-1	Amitraz (3-methyl-1,5-di(2,4-xylyl)-1,3,5-triazapenta-1,4-diene)				1	1				●	●●
	Propanil										
709-98-8	Propanil (3',4'-dichloropropionanilide)					2					●●
	Sulprofos										
35400-43-2	Sulprofos (O-ethyl O-4-(methylthio)phenyl S-n-propyl phosphorodithioate)					0					○
	Profenofos										
41198-08-7	Profenofos (O-4-bromo-2-chlorophenyl O-ethyl S-propyl phosphorothioate)				1	0				●	○
	Permethrin										
52645-53-1	Permethrin (3-phenoxybenzyl 3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate)				14	20				●●	●●
	Quizalofop-ethyl										
76578-14-8	Quizalofop-ethyl (ethyl 2-[4-(6-chloro-2-quinoxalinyloxy)phenoxy]propionate)				2	0				●	○
	Dichlorvos / DDVP										
62-73-7	Dichlorvos (dimethyl 2,2-dichlorovinyl phosphate)				3	4				●●	●●
	Chloropicrin										
76-06-2	Chloropicrin (trichloronitromethane)				4	10				●●	●●
	Carbaryl / NAC										
63-25-2	Carbaryl (1-naphthyl N-methylcarbamate)				14	14				●●	●●
	Chlorothalonil										
1897-45-6	Chlorothalonil (tetrachloroisophthalonitrile)				15	18				●●	●●
	Paraquat dichloride / paraquat										
1910-42-5	Paraquat dichloride (1,1'-dimethyl-4,4'-bipyridinium dichloride)				3	5				●●	●●
	fenitrothion / MEP										
122-14-5	fenitrothion (O,O-dimethyl O-3-methyl-4-nitrophenyl phosphorothioate)				24					●●	
	Fenthion										
55-38-9	Fenthion (O,O-dimethyl O-3-methyl-4-nitrophenyl phosphorothioate)				0	0				○	○
	Molinate										
2212-67-1	Molinate (S-ethyl hexahydro-1H-azepine-1-carbothioate)				1	1				●	●●
	Propargite / BPPS										
2312-35-8	Propargite (2-(4-tert-butylphenoxy)cyclohexyl 2-propynyl sulfite)				1	2				●	●●
	Chinomethionat										
2439-01-2	Chinomethionat (6-methyl-1,3-dithiolo[4,5-b]quinoxalin-2-one)					0					○
	Famphur										
52-85-7	Famphur					0					○
	Tebuthiuron										
34014-18-1	Tebuthiuron					2					●●
	Sethoxydim										
74051-80-2	Sethoxydim					2					●●
	Thiodicarb										
59669-26-0	Thiodicarb / 3,7,9,13-tetramethyl-5,11-dioxa-2,8,14-trithia-4,7,9,12-tetraazapentadeca-3,12-diene-6,10-dione				5	4				●●	●●

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CAS Number	Pollutant Name	Australia NPI	Canada NPRI	EU E-PRTR	Japan PRTR	US TRI	Australia NPI	Canada NPRI	EU E-PRTR	Japan PRTR	US TRI
	Mecoprop										
93-65-2	Mecoprop					5					●●
	Aldicarb										
116-06-3	Aldicarb					5					●●
	Captan										
133-06-2	Captan					10					●●
	Folpet										
133-07-3	Folpet					5					●●
	Chloramben										
133-90-4	Chloramben					0					○
	Ferbam										
14484-64-1	Ferbam					1					●●
	Parathion										
56-38-2	Parathion					2					●●
298-00-0	Methylparathion					2					●●
	Pirimiphos methyl										
29232-93-7	Pirimiphos methyl / O-2-diethylamino-6-methylpyrimidin-4-yl O,O-dimethyl phosphorothioate				1	0				●	○
	Diflubenzuron										
35367-38-5	Diflubenzuron					1					●●
	Metham sodium										
137-42-8	Metham sodium					12					●●
	Fenpropathrin										
39515-41-8	Fenpropathrin / (RS)-alpha-cyano-3-phenoxybenzyl 2,2,3,3-tetramethylcyclopropanecarboxylate				2	1				●	●●
	Hydramethylnon										
67485-29-4	Hydramethylnon					3					●●
	Abamectin										
71751-41-2	Abamectin					4					●●
	Lactofen										
77501-63-4	Lactofen					1					●●
	Nabam										
142-59-6	Nabam					4					●●
	Thiabendazole										
148-79-8	Thiabendazole					4					●●
	Merphos										
150-50-5	Merphos					1					●●
	Monuron										
150-68-5	Monuron					0					○
	Methoxychlor										
72-43-5	Methoxychlor					14					●●
	Tetramethrin										
7696-12-0	Tetramethrin / cyclohex-1-ene-1,2-dicarboximidomethyl (1RS)-cis-trans-2,2-dimethyl-3-(2-methylprop-1-enyl)cyclopropanecarboxylate				4	3				●●	●●
	Resmethrin										
10453-86-8	Resmethrin					1					●●
	Ethoprop										
13194-48-4	Ethoprop					6					●●
	Oxydemeton methyl										
301-12-2	Oxydemeton methyl					1					●●
	Desmedipham										
13684-56-5	Desmedipham					0					○
	Oryzalin										
19044-88-3	Oryzalin					3					●●
	Bromacil										
314-40-9	Bromacil / 5-bromo-3-sec-butyl-6-methyl-1,2,3,4-tetrahydropyrimidine-2,4-dione				2	1				●	●●
53404-19-6	Bromacil, lithium salt					0					○
	Bendiocarb										
22781-23-3	Bendiocarb					1					●●
	Phenothrin										
26002-80-2	Phenothrin					3					●●
	Triforine										
26644-46-2	Triforine					0					○
	Propetamphos										
31218-83-4	Propetamphos					0					○
	Imazalil										
35554-44-0	Imazalil					0					○
	Triadimefon										
43121-43-3	Triadimefon					1					●●
	Triclopyr										
55335-06-3	(3,5,6-trichloro-2-pyridyl)oxyacetic acid (Triclopyr)				1					●	
57213-69-1	Triclopyr triethylammonium salt					7					●●
	Propiconazole										
60207-90-1	Propiconazole / mixture of (2RS,4RS)-1-[2-(2,4-dichlorophenyl)-4-propyl-1,3-dioxolan-2-ylmethyl]-1H-1,2,4-triazole and (2RS,4SR)-1-[2-(2,4-dichlorophenyl)-4-propyl-1,3-dioxolan-2-ylmethyl]-1H-1,2,4-triazole				1	11				●	●●
	Cyfluthrin										
68359-37-5	Cyfluthrin					6					●●
	Fluazifop butyl										
69806-50-4	Fluazifop butyl					0					○
	Fenoxycarb										
72490-01-8	Fenoxycarb					0					○

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	Chlorobenzilate										
510-15-6	Chlorobenzilate					1					●●
	Bifenthrin										
82657-04-3	Bifenthrin					14					●●
	Terbacil										
5902-51-2	Terbacil					1					●●
	Mevinphos										
7786-34-7	Mevinphos					0					○
	Metiram										
9006-42-2	Metiram					0					○
	Ametryn										
834-12-8	Ametryn					3					●●
	Diphenamid										
957-51-7	Diphenamid					0					○
	Pebulate										
1114-71-2	Pebulate					1					●●
	Cycloate										
1134-23-2	Cycloate					0					○
	Methazole										
20354-26-1	Methazole					1					●●
	Cyanazine										
21725-46-2	Cyanazine				3	2				●●	●●
	Isofenphos										
25311-71-1	Isofenphos					0					○
	Norflurazon										
27314-13-2	Norflurazon					3					●●
	Bromoxynil										
1689-84-5	Bromoxynil					3					●●
1689-99-2	Bromoxynil octanoate					2					●●
	Nitrofen										
1836-75-5	Nitrofen					0					○
	Diethatyl ethyl										
38727-55-8	Diethatyl ethyl					0					○
	Benfluralin										
1861-40-1	Benfluralin					5					●●
	Dinocap										
39300-45-3	Dinocap					0					○
	Oxyfluorfen										
42874-03-3	Oxyfluorfen					4					●●
	Dicamba										
1918-00-9	Dicamba					15					●●
1982-69-0	Sodium dicamba					2					●●
2300-66-5	Dimethylamine dicamba					8					●●
	Vinclozolin										
50471-44-8	Vinclozolin / (RS)-3-(3,5-dichlorophenyl)-5-methyl-5-vinyl-1,3-oxazolidine-2,4-dione				0	1				○	●●
	Picloram										
1918-02-1	Picloram					5					●●
	Propachlor										
1918-16-7	Propachlor					0					○
	Hexazinone										
51235-04-2	Hexazinone					6					●●
	Diclofop methyl										
51338-27-3	Diclofop methyl					0					○
	Nitrapyrin										
1929-82-4	Nitrapyrin					3					●●
	Dimethipin										
55290-64-7	Dimethipin					1					●●
	Methiocarb										
2032-65-7	Methiocarb					0					○
	Fenarimol										
60168-88-9	Fenarimol					1					●●
	Acifluorfen, sodium salt										
62476-59-9	Acifluorfen, sodium salt					1					●●
	Chlorsulfuron										
64902-72-3	Chlorsulfuron					2					●●
	Dipotassium endothall										
2164-07-0	Dipotassium endothall					2					●●
	Fenoxaprop ethyl										
66441-23-4	Fenoxaprop ethyl					0					○
	Fluometuron										
2164-17-2	Fluometuron					0					○
	Cyhalothrin										
68085-85-8	Cyhalothrin					0					○
	Fluvalinate										
69409-94-5	Fluvalinate					0					○
	Fomesafen										
72178-02-0	Fomesafen					3					●●
	Allate										
2303-16-4	Diallate					2					●●
2303-17-5	Triallate					2					●●
	Anilazine										
101-05-3	Anilazine					0					○
	Myclobutanil										

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88671-89-0	Myclobutanil / 2-(4-chlorophenyl)-2-(1H-1,2,4-triazol-1-ylmethyl)hexanenitrile				1	3				●	●●
	Dodine										
2439-10-3	Dodine					0					○
	Chlorimuron ethyl										
90982-32-4	Chlorimuron ethyl					2					●●
	Tribenuron methyl										
101200-48-0	Tribenuron methyl					3					●●
	Temephos										
3383-96-8	Temephos					1					●●
	Fenvalerate										
51630-58-1	Fenvalerate (α-cyano-3-phenoxybenzyl 2-(4-chlorophenyl)-3-methylbutyrate)					0					○
	Propoxur										
114-26-1	Propoxur (2-isopropoxyphenyl N-methylcarbamate)					3					●●
	Malathion / malathon										
121-75-5	Malathion (O,O-dimethyl S-1,2-bis(ethoxycarbonyl)ethyl phosphorodithioate)				8	20				●●	●●
	Dimethoate										
60-51-5	Dimethoate (O,O-dimethyl S-(N-methylcarbamoyl)methyl phosphorodithioate)				3	5				●●	●●
	Hexachlorophene										
70-30-4	Hexachlorophene		0			3		○			●●
	Methyl isothiocyanate										
556-61-6	Methyl isothiocyanate				1	5				●	●●
	Thiophanate										
23564-05-8	Thiophanate methyl / dimethyl 4,4'-(o-phenylene)bis(3-thioallophanate)				10	8				●●	●●
23564-06-9	Thiophanate ethyl					0					○
	Cyhalofop / cyhalofop-butyl										
122008-85-9	butyl (R)-2-[4-(4-cyano-2-fluorophenoxy)phenoxy]propionate				10					●●	
	Disulfuton / ethylthiometon										
298-04-4	O,O-diethyl S-2-(ethylthio)ethyl phosphorodithioate				4					●●	
	Fenothiocarb										
62850-32-2	S-4-phenoxybutyl N,N-dimethylthiocarbamate				1					●	
	Halosulfuron-Methyl										
100784-20-1	methyl 3-chloro-5-(4,6-dimethoxy-2-pyrimidinylcarbamoylsulfamoyl)-1-methylpyrazole-4-carboxylate				2					●	
	Fumazone										
96-12-8	1,2-dibromo3-chloropropane					1					●●
	Difenoconazole										
119446-68-3	1-{{2-[2-chloro-4-(4-chlorophenoxy)phenyl]-4-methyl-1,3-dioxolan-2-yl}methyl)-1H-1,2,4-triazole				2					●	
	Prothiofos										
34643-46-4	O-2,4-dichlorophenyl O-ethyl S-propyl phosphorodithioate				3					●●	
	Dichlorophene										
97-23-4	Dichlorophene					0					○
	Bromol										
118-79-6	2,4,6-tribromophenol				6					●●	
	Prometryn										
7287-19-6	Prometryn					2					●●
	Dichloran										
99-30-9	Dichloran					1					●●
	Maneb										
12427-38-2	Maneb [Carbamodithioic acid, 1,2-ethanediylbis-,manganese complex] / manganese N,N'-ethylenebis(dithiocarbamate) (Jpn)				6	2				●●	●●
	Methidathion / DMTP										
950-37-8	S-(2,3-dihydro-5-methoxy-2-oxo-1,3,4-thiadiazol-3-yl)methyl O,O-dimethyl phosphorodithioate				1					●	
	Tetrachlorvinphos										
961-11-5	Tetrachlorvinphos					2					●●
	Isoxathion										
18854-01-8	O,O-diethyl O-5-phenyl-3-isoxazolyl phosphorothioate				1					●	
	Kitazin P / iprobenfos / IBP										
26087-47-8	S-benzyl O,O-diisopropyl phosphorothioate				2					●	
	dichlobenil / DBN										
1194-65-6	2,6-dichlorobenzonitrile				8					●●	
	Edifenphos / EDDP										
17109-49-8	O-ethyl S,S-diphenyl phosphorodithioate				0					○	
	Pyraclofos										
77458-01-6	O-1-(4-chlorophenyl)-4-pyrazolyl O-ethyl S-propyl phosphorothioate				0					○	
	Oxidiazon										
19666-30-9	Oxidiazon / 5-tert-butyl-3-(2,4-dichloro-5-isopropoxyphenyl)-1,3,4-oxadiazol-2(3H)-one				2	8				●	●●
	Acephate										
30560-19-1	Acephate / (RS)-O,S-dimethyl acetylphosphoramidothioate				3	5				●●	●●
	Metacide 38										
35691-65-7	1-bromo-1-(bromomethyl)-1,3-propanedicarbonitrile					2					●●
	Metolachlor										
51218-45-2	2-chloro-2'-ethyl-N-(2-methoxy-1-methylethyl)-6'-methylacetanilide				3					●●	
	3-iodo-2-propynyl butylcarbamate										
55406-53-6	3-iodo-2-propynyl butylcarbamate					37					●●
	Mefenacet										
73250-68-7	2-(2-benzothiazolyloxy)-N-methylacetanilide				8					●●	

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	Clofentezine										
74115-24-5	3,6-bis(2-chlorophenyl)-1,2,4,5-tetrazine				0					○	
	Phosalone										
2310-17-0	O,O-diethyl S-(6-chloro-2,3-dihydro-2-oxobenzoxazolinyl)methyl phosphorodithioate				2					●	
	Carbofuran										
1563-66-2	Carbofuran / 2,3-dihydro-2,2-dimethyl-7-benzo[b]furanyl N-methylcarbamate				2	5				●	●●
	Phenthoate / PAP										
2597-03-7	ethyl 2-[(dimethoxyphosphinothioyl)thio]-2-phenylacetate				6					●●	
	Tebufenpyrad										
119168-77-3	N-(4-tert-butylbenzyl)-4-chloro-3-ethyl-1-methylpyrazole-5-carboxamide				3					●●	
	Cafenstrole										
125306-83-4	N,N-diethyl-3-(2,4,6-trimethylphenylsulfonyl)-1H-1,2,4-triazole-1-carboxamide				9					●●	
	Fipronil										
120068-37-3	5-amino-1-[2,6-dichloro-4-(trifluoromethyl)phenyl]-3-cyano-4-[(trifluoromethyl)sulfinyl]pyrazole				5					●●	
	Isoprocarb / MIPC										
2631-40-5	2-isopropylphenyl N-methylcarbamate				0					○	
	Landrin										
2655-15-4	2,3,5-trimethylphenyl methylcarbamate					0					○
	2,4-D chlorocrotyl ester										
2971-38-2	2,4-D chlorocrotyl ester					0					○
	Fenobucarb / BPMC										
3766-81-2	2-sec-butylphenyl N-methylcarbamate				13					●●	
	D-trans-allethrin										
28057-48-9	D-trans-allethrin					0					○
	Dowicil 200										
4080-31-3	1-(3-chloroallyl)-3,5,7-triaza-1-azoniaadamantane chloride					14					●●
	N-nitrosomethylvinylamine										
4549-40-0	N-nitrosomethylvinylamine					0					○
	Carboxin										
5234-68-4	Carboxin					2					●●
	Thiram										
137-26-8	Thiram (tetramethylthiuram disulfide)				3,125	61				●●●	●●
	Sodium fluoroacetate										
62-74-8	Sodium fluoroacetate					0					○
	Beta-propiolactone										
57-57-8	Beta-propiolactone					0					○
	Dipropyl isocinchomeronate										
136-45-8	Dipropyl isocinchomeronate					1					●●
Colors and dyes											
	C.I. Fluorescent 260										
16090-02-1	disodium2,2'-vinylenebis[5-(4-morpholino-6-anilino-1,3,5-triazin-2-ylamino)benzenesulfonate]				5					●●	
	5'-[N,N-bis(2-acetyloxyethyl)amino]-2'-(2-bromo-4,6-dinitrophenylazo)-4'-methoxyacetanilide										
3618-72-2	5'-[N,N-bis(2-acetyloxyethyl)amino]-2'-(2-bromo-4,6-dinitrophenylazo)-4'-methoxyacetanilide				17					●●	
	C.I. Food Red										
3761-53-3	C.I. Food Red 5					0					○
81-88-9	C.I. Food Red 15		1			0		●●			○
	C.I. Solvent Yellow										
60-09-3	C.I. Solvent Yellow 3 / 4-aminoazobenzene					1					●●
97-56-3	C.I. Solvent Yellow 3					0					○
492-80-8	C.I. Solvent Yellow 34					0					○
842-07-9	C.I. Solvent Yellow 14		0			0		○			○
	C.I. Basic Green										
569-64-2	C.I. Basic Green 4		0			0		○			○
	C.I. Vat Yellow										
128-66-5	C.I. Vat Yellow 4					0					○
	C.I. Basic Red										
989-38-8	C.I. Basic Red 1		1			0		●●			○
	C.I. Direct Black										
1937-37-7	C.I. Direct Black 38					0					○
	C.I. Direct Blue										
2602-46-2	C.I. Direct Blue 6					0					○
28407-37-6	C.I. Direct Blue 218		0			3		○			●●
	C.I. Disperse Yellow										
2832-40-8	C.I. Disperse Yellow 3		0			0		○			○
	C.I. Solvent Orange										
3118-97-6	C.I. Solvent Orange 7		0			1		○			●●
	C.I. Acid Green										
4680-78-8	C.I. Acid Green 3		0			0		○			○
	C.I. Acid Red										
6459-94-5	C.I. Acid Red 114					0					○
	C.I. Direct Brown										
16071-86-6	C.I. Direct Brown 95					0					○
	Trypan blue										
72-57-1	Trypan blue					1					●●
Active pharmaceutical ingredient (API)											
	Fluorouracil										
51-21-8	Fluorouracil					1					●●

Pollutant		# Facilities Reporting Pollutant					Reporting Score				
CAS Number	Pollutant Name	Australia NPI	Canada NPRI	EU E-PRTR	Japan PRTR	US TRI	Australia NPI	Canada NPRI	EU E-PRTR	Japan PRTR	US TRI
	disulfiram										
97-77-8	tetraethylthiuram disulfide / disulfiram				42					●●	
	Nicotine										
LCL-108	Nicotine and salts					37					●●
	Phenytoin										
57-41-0	Phenytoin					1					●●
	Pentobarbital sodium										
57-33-0	Pentobarbital sodium					1					●●
	Tetracycline hydrochloride										
64-75-5	Tetracycline hydrochloride		1			2		●●			●●
	Triaziquone										
68-76-8	Triaziquone					0					○
	Warfarin										
LCL-109	Warfarin and salts					3					●●
Non-grouped organic substances											
75-08-1	ethanethiol				4					●●	
25103-58-6	tert-dodecanethiol				16					●●	
420-04-2	cyanamide				7					●●	
17796-82-6	N-(cyclohexylthio)phthalimide				35					●●	
4979-32-2	N,N-dicyclohexyl-2-benzothiazolesulfenamide				22					●●	
505-32-8	3,7,11,15-tetramethylhexadec-1-en-3-ol / isophytol				2					●	
112-57-2	3,6,9-triazaundecane-1,11-diamine / tetraethylenepentamine				36					●●	
112-24-3	triethylenetetramine				39					●●	
99-76-3	methyl 4-hydroxybenzoate				39					●●	
103-90-2	N-(4-hydroxyphenyl)acetamide				3					●●	
941-69-5	N-phenylmaleimide				5					●●	
2426-08-6	n-butyl-2,3-epoxypropyl ether				29					●●	
25013-16-5	butylhydroxyanisole / BHA				2					●	
LCL-110	water-soluble salts of peroxodisulfuric acid				161					●●	
674-82-8	4-methylideneoxetan-2-one				7					●●	
3268-49-3	3-methylthiopropanal				1					●	
110-91-8	morpholine				86					●●	
78-42-2	tris(2-ethylhexyl) phosphate				10					●●	
1330-78-5	tritolyl phosphate				82					●●	
115-86-6	triphenyl phosphate				66					●●	
552-30-7	1,2,4-benzenetricarboxylic 1,2-anhydride				62					●●	
100-97-0	1,3,5,7-tetraazatricyclo[3.3.1.13.7]decane / hexamethylenetetramine				181					●●	
100-37-8	2-(diethylamino)ethanol				24					●●	
4162-45-2	2,2'-{isopropylidenebis[(2,6-dibromo-4,1-phenylene)oxy]}diethanol				4					●●	
78-67-1	2,2'-azobisisobutyronitrile				91					●●	
541-53-7	2,4-Dithiobiuret					0					○
53-96-3	2-acetylaminofluorene					2					●●
141-43-5	2-aminoethanol				444					●●	
75-86-5	2-methyllactonitrile / acetone cyanohydrin				7	10				●●	●●
101-80-4	4,4'-Diaminodiphenyl ether				11	3				●●	●●
101-61-1	4,4'-methylenebis(N,N-dimethyl)benzeneamine					0					○
92-67-1	4-aminobiphenyl					1					●●
60-11-7	4-dimethylaminoazobenzene					1					●●
92-93-3	4-nitrobiphenyl					0					○
100-40-3	4-vinyl-1-cyclohexene				9					●●	
60-35-5	Acetamide					9					●●
134-32-7	alpha-naphthylamine					0					○
55-21-0	Benzamide					0					○
91-59-8	beta-naphthylamine					0					○
111-44-4	Bis(2-chloroethyl) ether					18					●●
542-88-1	Bis(chloromethyl)ether					1					●●
107-30-2	Chloromethyl methyl ether					1					●●
115-10-6	Dimethylether		18					●●			
123-86-4	Butyl acetate:n-		135					●●			
LCL-111	Dihydronapthalene (all isomers)		8					●●			
7379-12-6	Methyl-3-hexanone,2-		7					●●			
27133-93-3	Methylindan (all isomers)		7					●●			
103-71-9	Phenyl isocyanate		7					●●			
420-56-4	Trimethylfluorosilane		7					●●			
135-20-6	Cupferron					2					●●
132-64-9	Dibenzofuran					26					●●
101-90-6	Diglycidyl resorcinol ether / 1,3-bis[(2,3-epoxypropyl)oxy]benzene				0	2				○	●●
138-93-2	Disodium cyanodithioimidocarbonate					1					●●
759-94-4	Ethyl dipropylthiocarbamate					4					●●
112-02-7	hexadecyltrimethylammonium chloride				33					●●	
124-09-4	hexamethylenediamine				37					●●	
680-31-9	Hexamethylphosphoramide					0					○
74-93-1	Methyl mercaptan (methanethiol) (USA: on TRI list, but reporting requirements currently suspended)					0					○
109-77-3	Malononitrile					2					●●
79-22-1	Methyl chlorocarbonate					3					●●
624-83-9	Methyl isocyanate					5					●●
95-31-8	N-(tert-butyl)-2-benzothiazolesulfenamide				44					●●	
1643-20-5	N,N-dimethyldodecylamine N-oxide				52					●●	
924-42-5	N-Methylolacrylamide		1			27		●●			●●
55-18-5	N-nitrosodiethylamine					1					●●
62-75-9	N-nitrosodimethylamine					0					○
924-16-3	N-nitrosodi-N-butylamine					1					●●
621-64-7	N-nitrosodi-N-propylamine					2					●●
59-89-2	N-nitrosomorpholine					0					○
759-73-9	N-nitroso-N-ethylurea					1					●●
684-93-5	N-nitroso-N-methylurea					1					●●
16543-55-8	N-nitrosonornicotine					0					○
100-75-4	N-nitrosopiperidine					1					●●

Long Chemical List

Pollutant		# Facilities Reporting Pollutant					Reporting Score				
CAS Number	Pollutant Name	Australia NPI	Canada NPRI	EU E-PRTR	Japan PRTR	US TRI	Australia NPI	Canada NPRI	EU E-PRTR	Japan PRTR	US TRI
104-12-1	P-chlorophenyl isocyanate					0					○
110-85-0	Piperazine				31					●●	
51-03-6	Piperonyl butoxide					11					●●
1120-71-4	Propane sultone					4					●●
78-48-8	S,S,S-tributyltrithiophosphate					2					●●
81-07-2	Saccharin (Manufacturing, no supplier notification)					2					●●
132-27-4	Sodium O-phenylphenoxide					6					●●
11070-44-3	Tetrahydromethylphthalic anhydride				102					●●	
62-55-5	Thioacetamide					2					●●
79-19-6	Thiosemicarbazide					0					○
126-73-8	tri-n-butyl phosphate				19					●●	
115-96-8	Tris(2-chloroethyl) phosphate				5					●●	
51-79-6	Urethane					11					●●
105-60-2	ε-caprolactam				72					●●	

ANNEX 3. COMMON LIST OF POLLUTANTS (SHORT CHEMICAL LIST)

Legend

PRTR Program	Column	Symbol	Explanation
All	Covered by PRTR?	*	Substance included as a compound entry in the respective PRTR; or substances regulated in complementary programs to the respective PRTR
All	Covered by PRTR?	x	Substance covered under the PRTR.
Canada: NPRI	Activity	✓	Reporting of Part 3 chemicals is based on whether or not the facility engages in a list of specified activities.
Canada: NPRI	Air Release (kg/year)	1000^	Designates a reporting threshold of 1000 kg/year (1 ton) for Part 5 chemicals. A Part 5 substances must be reported if both the quantity of that substance released to air exceeds 1000 kg/year and the sum of all Part 4 chemicals released to air exceeds 10 tons.
EU: E-PRTR and Kiev Protocol Implementation Guidance	Release to Air Release to Water Release to Land	-	The chemical and medium (air, water, or land) does not trigger a reporting requirement.
Kiev Protocol Implementation Guidance	Manufacture, Process or Use (kg/year)	#	Release threshold to air should be used instead of an MPU threshold.
Kiev Protocol Implementation Guidance	Manufacture, Process or Use (kg/year)	##	Release threshold to water should be used instead of an MPU threshold.
Japan: PRTR	Chemical Category	I	Class 1 Designated Substance
Japan: PRTR	Chemical Category	S	Specific Class 1 Designated Substance
US: TRI	*De Minimis* % Limit	‡	The given chemical is designated as PBT (persistent, bio accumulative, and toxic) and therefore no concentration threshold applies.
US: TRI	Manufacture (kg/year) Process (kg/year) Otherwise Use (kg/year) *De Minimis* % Limit	RS	Reporting for the chemical was stayed in 1995, no threshold information provided.
All	Reporting Score	○	Not Reported
All	Reporting Score	●	Low Reporting
All	Reporting Score	●●	Medium Reporting
All	Reporting Score	●●●	High Reporting

Persistent Organic Pollutants (POPs), Greenhouse gases (GHGs): present in ≤2 PRTR-Systems, but included due to their environmental relevance
Substances in groups where single substances are present in 5 PRTR-Systems
Substances in groups where single substances are present in 4 PRTR-Systems (incl. 3 POPs)
Substances in groups where single substances are present in 3 PRTR-Systems

Pollutant		
CAS Number	**Pollutant Name**	**Remarks**
Persistent Organic Pollutants (POPs)		
309-00-2	Aldrin	
57-74-9	Chlordane	
50-29-3	DDT / 1,1,1-trichloro-2,2-bis(4-chlorophenyl)ethane	
60-57-1	Dieldrin	
72-20-8	Endrin	
76-44-8	Heptachlor	
2385-85-5	Mirex	
8001-35-2	Toxaphene	
319-84-6	alpha-hexachlorocyclohexane	
319-85-7	beta-hexachlorocyclohexane	
58-89-9	Lindane / gamma-hexachlorocyclohexane	
143-50-0	Chlordecone	
608-93-5	Pentachlorobenzene	
118-74-1	Hexachlorobenzene (HCB)	
1336-36-3	Polychlorinated biphenyls (PCBs)	
36355-01-8	Hexabromobiphenyl	
68631-49-2	2,2',4,4',5,5'-hexabromodiphenyl ether (BDE-153)	as Hexabromodiphenyl ether and heptabromodiphenyl ether (commercial octabromodiphenyl ether)
207122-15-4	2,2',4,4',5,6'-hexabromodiphenyl ether (BDE-154)	as Hexabromodiphenyl ether and heptabromodiphenyl ether (commercial octabromodiphenyl ether)
446255-22-7	2,2',3,3',4,5',6-heptabromodiphenyl ether (BDE-175)	as Hexabromodiphenyl ether and heptabromodiphenyl ether (commercial octabromodiphenyl ether)
207122-16-5	2,2',3,4,4',5',6-heptabromodiphenyl ether (BDE-183)	as Hexabromodiphenyl ether and heptabromodiphenyl ether (commercial octabromodiphenyl ether)
5436-43-1	Tetrabromodiphenyl ether	as Tetrabromodiphenyl ether and pentabromodiphenyl ether (commercial pentabromodiphenyl ether)
60348-60-9	Pentabromodiphenyl ether	as Tetrabromodiphenyl ether and pentabromodiphenyl ether (commercial pentabromodiphenyl ether)
LCL-1	Perfluorooctane sulfonic acid (PFOS), its salts and perfluorooctane sulfonyl fluoride (PFOS-F) / Jpn: perfluoro(octane-1-sulfonic acid)	
LCL-2	Polychlorinated dioxins and furans (as TEF)	expressed as WHO 2005 TEF
Metals		
LCL-5	Antimony and compounds (as Sb)	includes antimony and any unique chemical substance that contains antimony as part of that chemical's infrastructure
LCL-7	Arsenic and compounds (as As)	includes arsenic and any unique chemical substance that contains arsenic as part of that chemical's infrastructure
LCL-10	Cadmium and compounds (as Cd)	includes cadmium and any unique chemical substance that contains cadmium as part of that chemical's infrastructure
LCL-14	Chromium and chromium(III) compounds (as Cr)	includes chromium and any unique chemical substance that contains chromium(III) as part of that chemical's infrastructure
LCL-15	Chromium(VI) compounds (as Cr)	includes any unique chemical substance that contains chromium(VI) as part of that chemical's infrastructure
LCL-17	Cobalt and compounds (as Co)	includes cobalt and any unique chemical substance that contains cobalt as part of that chemical's infrastructure
LCL-19	Copper and compounds (as Cu)	includes copper and any unique chemical substance that contains copper as part of that chemical's infrastructure
LCL-21	Lead and compounds as (Pb)	includes lead and any unique chemical substance that contains lead as part of that chemical's infrastructure
LCL-24	Manganese and compounds (as Mn)	includes manganese and any unique chemical substance that contains manganese as part of that chemical's infrastructure
LCL-26	Mercury and compounds (as Hg)	includes mercury and any unique chemical substance that contains mercury as part of that chemical's infrastructure
LCL-28	Nickel and compounds (as Ni)	includes nickel and any unique chemical substance that contains nickel as part of that chemical's infrastructure
LCL-30	Selenium and compounds (as Se)	includes selenium and any unique chemical substance that contains selenium as part of that chemical's infrastructure
LCL-32	Zinc and compounds (as Zn)	includes zinc and any unique chemical substance that contains zinc as part of that chemical's infrastructure
Inorganic substances		
1332-21-4	Asbestos (friable)	the listing for asbestos is qualified by the term "friable," referring to the physical characteristic of being able to be crumbled, pulverized, or reducible to a powder with hand pressure
LCL-42	Cyanide (inorganic) compounds (as CN)	reported as CN
74-90-8	Hydrogen cyanide	
LCL-43	Fluorides (as total F)	reported as F
LCL-45	Phosphorus (total)	
LCL-50	PM10 - Particulate matter	
LCL-52	Chlorides (as total Cl)	
LCL-53	Total nitrogen	
Chlorinated and brominated organic substances		
107-06-2	1,2-Dichloroethane	
79-00-5	1,1,2-Trichloroethane	
71-55-6	1,1,1-trichloroethane	
79-34-5	1,1,2,2-Tetrachloroethane	
75-01-4	Vinyl chloride (Chloroethylene)	
79-01-6	Trichloroethylene	
127-18-4	Tetrachloroethylene	
75-09-2	Dichloromethane / methylene dichloride	
67-66-3	Trichloromethane / Chloroform	
56-23-5	Tetrachloromethane / Carbon tetrachloride	
12002-48-1	Trichlorobenzenes	
1163-19-5	Decabromodiphenyl ether	
LCL-55	Brominated diphenylethers (PBDE) (total mass of penta-BDE, octa-BDE and deca-BDE)	
85535-84-8	Chloro-alkanes (C10-C13) / Polychlorinated alkanes (C10 to C13) / Alkanes, C10-13, chloro	
87-86-5	Pentachlorophenol (PCP)	
LCL-60	Halogenated organic compounds (as AOX)	
87-68-3	Hexachlorobutadiene (HCBD)	

Short Chemical List

Pollutant		
CAS Number	**Pollutant Name**	**Remarks**
Ozone depleting substances		
LCL-62	Hydrochlorofluorocarbons (HCFCs)	total mass of substances including their isomers listed in Group I Annex C of the list of controlled substances under the Montreal Protocol
LCL-63	Chlorofluorocarbons (CFCs)	total mass of substances including their isomers listed in Group I Annex A and Group I Annex B of the list of controlled substances under the Montreal Protocol
LCL-65	Halons	total mass of substances including their isomers listed in Group II Annex A and Group I Annex E of the list of controlled substances under the Montreal Protocol
Greenhouse gases (GHGs)		
124-38-9	Carbon dioxide	
74-82-8	Methane	
10024-97-2	Nitrous oxide	
LCL-66	Hydrofluorocarbons (HFCs)	Total mass of hydrogen fluorocarbons: sum of HFC23, HFC32, HFC41, HFC4310mee, HFC125, HFC134, HFC134a, HFC152a, HFC143, HFC143a, HFC227ea, HFC236fa, HFC245ca, HFC365mfc
LCL-67	Perfluorocarbons (PFCs)	Total mass of perfluorocarbons: sum of CF4, C2F6, C3F8, C4F10, c-C4F8, C5F12, C6F14
2551-62-4	Sulphur hexafluoride (SF6)	
Other gases		
7664-41-7	Ammonia (NH3)	anhydrous ammonia
LCL-69	Chlorine and inorganic compounds (as HCl)	acid aerosols including mists, vapors, gas, fog, and other airborne forms of any particle size
75-21-8	Ethylene oxide	
630-08-0	Carbon monoxide	
LCL-70	Fluorine and inorganic compounds (as HF)	
11104-93-1	Nitrogen oxides (NOx/NO2)	
2025-88-4	Sulphur oxides (SOx/SO2)	
Polycyclic aromatic hydrocarbons (PAHs)		
LCL-74	Polycyclic aromatic hydrocarbons (PAHs) as benzo(a)pyrene (50-32-8), benzo(b)-fluoranthene (205-99-2), benzo(k)fluoranthene (207-08-9), indeno(1,2,3-cd)pyrene (193-39-5)	
120-12-7	Anthracene	
91-20-3	Naphthalene	
Other organic substances		
75-05-8	Acetonitrile	
107-02-8	Acrolein	
79-06-1	Acrylamid	
79-10-7	Acrylic acid and its water-soluble salts	
80-62-6	Methyl methacrylate	
107-13-1	Acrylonitrile	
75-07-0	Acetaldehyde	
62-53-3	Aniline	
92-52-4	Biphenyl (1,1-biphenyl)	
98-82-8	Cumene (1-methylethylbenzene)	
110-54-3	n-Hexane	
71-43-2	Benzene	
100-41-4	Ethylbenzene	
108-88-3	Toluene	
1330-20-7	Xylene (mixed isomers)	
106-99-0	1,3-Butadiene	
75-15-0	Carbon disulfide / Carbon disulphide	
101-68-8	Methylenebis(phenylisocyanate) (MDI)	
110-80-5	2-Ethoxyethanol / ethylene glycol monoethyl ether	
109-86-4	Methoxyethanol / ethylene glycol monomethyl ether	
50-00-0	Formaldehyde	
110-49-6	2-Methoxyethanol acetate / 2-methoxyethyl acetate	
111-15-9	2-Ethoxyethanol acetate / 2-ethoxyethyl acetate	
101-14-4	4,4'-Methylene-bis(2-chloroaniline) (MOCA) / 3,3'-dichloro-4,4'-diaminodiphenylmethane	
LCL-91	Organotin compounds (as total Sn)	
LCL-92	Tributyltin and compounds	
LCL-93	Triphenyltin and compounds	
LCL-94	Phenols (as total C)	
108-95-2	Phenol	
117-81-7	Di-(2-ethyl hexyl) phthalate (DEHP) / bis(2-ethylhexyl)phthalate	
84-74-2	Dibutyl phthalate	
100-42-5	Styrene	
LCL-95	Nonylphenol and Nonylphenol ethoxylates (NP/NPEs)	
LCL-100	Non-methane volatile organic compounds (NMVOC)	
LCL-107	Total organic carbon (TOC) (as total C or COD/3)	
Active substances of plant protection products or biocidal products		
15972-60-8	Alachlor (2-chloro-2',6'-diethy-N-(methoxymethyl)acetanilide)	
330-54-1	Diuron (3-(3,4-dichlorophenyl)-1,1-dimethylurea) / DCMU	
1912-24-9	Atrazine (2-chloro-4-ethylamino-6-isopropylamino-1,3,5-triazine)	
122-34-9	Simazine (2-chloro-4,6-bis(ethylamino)-1,3,5-triazine)	
1582-09-8	Trifluralin (α,α,α-trifluoro-2,6-dinitro-N,N-dipropyl-p-toluidine)	
470-90-8	Chlorfenvinphos	
2921-88-2	Chlorpyrifos	
115-29-7	Endosulphan / 6,7,8,9,10,10-hexachloro-1,5,5a,6,9,9a-hexahydro-6,9-methano-2,4,3-benzodioxathiepine 3-oxide	
608-73-1	1,2,3,4,5, 6-hexachlorocyclohexane (HCH)	
34123-59-6	Isoproturon	

Pollutant		Covered by PRTR?					
CAS Number	Pollutant Name	Australia NPI	Canada NPRI	EU E-PRTR	Kiev Protocol	Japan PRTR	US TRI
Persistent Organic Pollutants (POPs)							
309-00-2	Aldrin			x	x		x
57-74-9	Chlordane			x	x		x
50-29-3	DDT / 1,1,1-trichloro-2,2-bis(4-chlorophenyl)ethane			x	x		
60-57-1	Dieldrin			x	x		
72-20-8	Endrin			x	x		
76-44-8	Heptachlor			x	x		x
2385-85-5	Mirex			x	x		
8001-35-2	Toxaphene			x	x		x
319-84-6	alpha-hexachlorocyclohexane						x
319-85-7	beta-hexachlorocyclohexane						
58-89-9	Lindane / gamma-hexachlorocyclohexane			x	x		x
143-50-0	Chlordecone			x	x		
608-93-5	Pentachlorobenzene			x	x		x
118-74-1	Hexachlorobenzene (HCB)	x	x	x	x		x
1336-36-3	Polychlorinated biphenyls (PCBs)	x		x	x	x	x
36355-01-8	Hexabromobiphenyl			x			
68631-49-2	2,2',4,4',5,5'-hexabromodiphenyl ether (BDE-153)						
207122-15-4	2,2',4,4',5,6'-hexabromodiphenyl ether (BDE-154)						
446255-22-7	2,2',3,3',4,5',6-heptabromodiphenyl ether (BDE-175)						
207122-16-5	2,2',3,4,4',5',6-heptabromodiphenyl ether (BDE-183)						
5436-43-1	Tetrabromodiphenyl ether						
60348-60-9	Pentabromodiphenyl ether						
LCL-1	Perfluorooctane sulfonic acid (PFOS), its salts and perfluorooctane sulfonyl fluoride (PFOS-F) / Jpn: perfluoro(octane-1-sulfonic acid)					x	
LCL-2	Polychlorinated dioxins and furans (as TEF)	x	*	x	x		x
Metals							
LCL-5	Antimony and compounds (as Sb)	x	x			x	x
LCL-7	Arsenic and compounds (as As)	x	x	x	x	x	x
LCL-10	Cadmium and compounds (as Cd)	x	x	x	x	x	x
LCL-14	Chromium and chromium(III) compounds (as Cr)	x	x	*	*	x	*
LCL-15	Chromium(VI) compounds (as Cr)	x	x	*	*	x	*
LCL-17	Cobalt and compounds (as Co)	x	x			x	x
LCL-19	Copper and compounds (as Cu)	x	x	x	x	x	x
LCL-21	Lead and compounds as (Pb)	x	x	x	x	x	x
LCL-24	Manganese and compounds (as Mn)	x	x			x	x
LCL-26	Mercury and compounds (as Hg)	x	x	x	x	x	x
LCL-28	Nickel and compounds (as Ni)	x	x	x	x	x	x
LCL-30	Selenium and compounds (as Se)	x	x			x	x
LCL-32	Zinc and compounds (as Zn)	x	x	x	x	x	x
Inorganic substances							
1332-21-4	Asbestos (friable)		x	x	x	x	x
LCL-42	Cyanide (inorganic) compounds (as CN)	x	x	x	x	x	x
74-90-8	Hydrogen cyanide		x	x	x		x
LCL-43	Fluorides (as total F)	x	*	x	x	x	*
LCL-45	Phosphorus (total)	x		x	x		
LCL-50	PM10 - Particulate matter	x	x	x	x		
LCL-52	Chlorides (as total Cl)			x	x		
LCL-53	Total nitrogen	x		x	x		
Chlorinated and brominated organic substances							
107-06-2	1,2-Dichloroethane	x	x	x	x	x	x
79-00-5	1,1,2-Trichloroethane	x	x			x	x
71-55-6	1,1,1-trichloroethane			x	x	x	x
79-34-5	1,1,2,2-Tetrachloroethane	x	x	x	x		x
75-01-4	Vinyl chloride (Chloroethylene)	x	x	x	x	x	x
79-01-6	Trichloroethylene	x	x	x	x	x	x
127-18-4	Tetrachloroethylene	x	x	x	x	x	x
75-09-2	Dichloromethane / methylene dichloride	x	x	x	x	x	x
67-66-3	Trichloromethane / Chloroform	x	x	x	x	x	x
56-23-5	Tetrachloromethane / Carbon tetrachloride		x	x	x	x	x
12002-48-1	Trichlorobenzenes			x	x	x	
1163-19-5	Decabromodiphenyl ether		x	*	*	x	x
LCL-55	Brominated diphenylethers (PBDE) (total mass of penta-BDE, octa-BDE and deca-BDE)			x	x		
85535-84-8	Chloro-alkanes (C10-C13) / Polychlorinated alkanes (C10 to C13) / Alkanes, C10-13, chloro		x	x	x	x	x
87-86-5	Pentachlorophenol (PCP)			x	x	x	x
LCL-60	Halogenated organic compounds (as AOX)			x	x		
87-68-3	Hexachlorobutadiene (HCBD)			x	x		x

Short Chemical List

Pollutant		Covered by PRTR?					
CAS Number	Pollutant Name	Australia NPI	Canada NPRI	EU E-PRTR	Kiev Protocol	Japan PRTR	US TRI
Ozone depleting substances							
LCL-62	Hydrochlorofluorocarbons (HCFCs)		*	x	x	*	*
LCL-63	Chlorofluorocarbons (CFCs)		*	x	x	*	*
LCL-65	Halons		*	x	x	*	*
Greenhouse gases (GHGs)							
124-38-9	Carbon dioxide	*	*	x	x	*	*
74-82-8	Methane	*	*	x	x	*	*
10024-97-2	Nitrous oxide	*	*	x	x	*	*
LCL-66	Hydrofluorocarbons (HFCs)	*	*	x	x	*	*
LCL-67	Perfluorocarbons (PFCs)	*	*	x	x	*	*
2551-62-4	Sulphur hexafluoride (SF6)	*	*	x	x	*	*
Other gases							
7664-41-7	Ammonia (NH3)	*	*	x	x		x
LCL-69	Chlorine and inorganic compounds (as HCl)	x	x	x	x		x
75-21-8	Ethylene oxide	x	x	x	x	x	x
630-08-0	Carbon monoxide	x	x	x	x		
LCL-70	Fluorine and inorganic compounds (as HF)			x	x		
11104-93-1	Nitrogen oxides (NOx/NO2)	x	x	x	x		
2025-88-4	Sulphur oxides (SOx/SO2)	x	x	x	x		
Polycyclic aromatic hydrocarbons (PAHs)							
LCL-74	Polycyclic aromatic hydrocarbons (PAHs) as benzo(a)pyrene (50-32-8), benzo(b)-fluoranthene (205-99-2), benzo(k)fluoranthene (207-08-9), indeno(1,2,3-cd)pyrene (193-39-5)			x	x		
120-12-7	Anthracene		x	x	x	x	x
91-20-3	Naphthalene		x	x	x	x	x
Other organic substances							
75-05-8	Acetonitrile	x	x			x	x
107-02-8	Acrolein	x	x			x	x
79-06-1	Acrylamid	x	x			x	x
79-10-7	Acrylic acid and its water-soluble salts	x	x			x	x
80-62-6	Methyl methacrylate	x	x			x	x
107-13-1	Acrylonitrile	x	x			x	x
75-07-0	Acetaldehyde	x	x			x	x
62-53-3	Aniline	x	x			x	x
92-52-4	Biphenyl (1,1-biphenyl)	x	x			x	x
98-82-8	Cumene (1-methylethylbenzene)	x	x			x	x
110-54-3	n-Hexane	x	x			x	x
71-43-2	Benzene	x	x	x	x	x	x
100-41-4	Ethylbenzene	x	x	x	x	x	x
108-88-3	Toluene	x	x	x	x	x	x
1330-20-7	Xylene (mixed isomers)	x	x	x	x	x	x
106-99-0	1,3-Butadiene	x	x			x	x
75-15-0	Carbon disulfide / Carbon disulphide	x	x			x	x
101-68-8	Methylenebis(phenylisocyanate) (MDI)	x	x			x	x
110-80-5	2-Ethoxyethanol / ethylene glycol monoethyl ether	x	x			x	x
109-86-4	Methoxyethanol / ethylene glycol monomethyl ether	x	x			x	x
50-00-0	Formaldehyde	x	x			x	x
110-49-6	2-Methoxyethanol acetate / 2-methoxyethyl acetate	x	x			x	*
111-15-9	2-Ethoxyethanol acetate / 2-ethoxyethyl acetate	x	x			x	*
101-14-4	4,4'-Methylene-bis(2-chloroaniline) (MOCA) / 3,3'-dichloro-4,4'-diaminodiphenylmethane	x	x			x	x
LCL-91	Organotin compounds (as total Sn)	x		x	x	x	*
LCL-92	Tributyltin and compounds			x	x		
LCL-93	Triphenyltin and compounds			x	x		
LCL-94	Phenols (as total C)			x	x		
108-95-2	Phenol	x	x	*	*	x	x
117-81-7	Di-(2-ethyl hexyl) phthalate (DEHP) / bis(2-ethylhexyl)phthalate	x	x	x	x	x	x
84-74-2	Dibutyl phthalate	x	x			x	x
100-42-5	Styrene	x	x			x	x
LCL-95	Nonylphenol and Nonylphenol ethoxylates (NP/NPEs)		x	x	x	x	
LCL-100	Non-methane volatile organic compounds (NMVOC)			x	x		
LCL-107	Total organic carbon (TOC) (as total C or COD/3)			x	x		
Active substances of plant protection products or biocidal products							
15972-60-8	Alachlor (2-chloro-2',6'-diethy-N-(methoxymethyl)acetanilide)			x	x	x	x
330-54-1	Diuron (3-(3,4-dichlorophenyl)-1,1-dimethylurea) / DCMU			x	x	x	x
1912-24-9	Atrazine (2-chloro-4-ethylamino-6-isopropylamino-1,3,5-triazine)			x	x	x	x
122-34-9	Simazine (2-chloro-4,6-bis(ethylamino)-1,3,5-triazine)			x	x	x	x
1582-09-8	Trifluralin (α,α,α-trifluoro-2,6-dinitro-N,N-dipropyl-p-toluidine)			x	x	x	x
470-90-8	Chlorfenvinphos			x	x		
2921-88-2	Chlorpyrifos			x	x	x	
115-29-7	Endosulphan / 6,7,8,9,10,10-hexachloro-1,5,5a,6,9,9a-hexahydro-6,9-methano-2,4,3-benzodioxathiepine 3-oxide			x	x	x	
608-73-1	1,2,3,4,5, 6-hexachlorocyclohexane (HCH)			x	x		
34123-59-6	Isoproturon			x	x		

Pollutant		Thresholds, Australia: NPI						
CAS Number	Pollutant Name	Chemical Category	Usage (kg/year)	Annual Emission / Transfer (kg/year)	Fuel Combusted: Annual (kg/year)	Fuel Combusted: Hourly (kg/hr)	Energy Use (MWh)	Power Rating (MW)
Persistent Organic Pollutants (POPs)								
309-00-2	Aldrin							
57-74-9	Chlordane							
50-29-3	DDT / 1,1,1-trichloro-2,2-bis(4-chlorophenyl)ethane							
60-57-1	Dieldrin							
72-20-8	Endrin							
76-44-8	Heptachlor							
2385-85-5	Mirex							
8001-35-2	Toxaphene							
319-84-6	alpha-hexachlorocyclohexane							
319-85-7	beta-hexachlorocyclohexane							
58-89-9	Lindane / gamma-hexachlorocyclohexane							
143-50-0	Chlordecone							
608-93-5	Pentachlorobenzene							
118-74-1	Hexachlorobenzene (HCB)	1	10,000					
1336-36-3	Polychlorinated biphenyls (PCBs)	1	10,000					
36355-01-8	Hexabromobiphenyl							
68631-49-2	2,2',4,4',5,5'-hexabromodiphenyl ether (BDE-153)							
207122-15-4	2,2',4,4',5,6'-hexabromodiphenyl ether (BDE-154)							
446255-22-7	2,2',3,3',4,5',6-heptabromodiphenyl ether (BDE-175)							
207122-16-5	2,2',3,4,4',5',6-heptabromodiphenyl ether (BDE-183)							
5436-43-1	Tetrabromodiphenyl ether							
60348-60-9	Pentabromodiphenyl ether							
LCL-1	Perfluorooctane sulfonic acid (PFOS), its salts and perfluorooctane sulfonyl fluoride (PFOS-F) / Jpn: perfluoro(octane-1-sulfonic acid)							
LCL-2	Polychlorinated dioxins and furans (as TEF)	2b			2,000,000		60,000	20
Metals								
LCL-5	Antimony and compounds (as Sb)	1	10,000					
LCL-7	Arsenic and compounds (as As)	1, 2b	10,000		2,000,000		60,000	20
LCL-10	Cadmium and compounds (as Cd)	1, 2b	10,000		2,000,000		60,000	20
LCL-14	Chromium and chromium(III) compounds (as Cr)	1, 2b	10,000		2,000,000		60,000	20
LCL-15	Chromium(VI) compounds (as Cr)	1, 2b	10,000		2,000,000		60,000	20
LCL-17	Cobalt and compounds (as Co)	1	10,000					
LCL-19	Copper and compounds (as Cu)	1, 2b	10,000		2,000,000		60,000	20
LCL-21	Lead and compounds as (Pb)	1, 2b	10,000		2,000,000		60,000	20
LCL-24	Manganese and compounds (as Mn)	1	10,000					
LCL-26	Mercury and compounds (as Hg)	1b, 2b	5		2,000,000		60,000	20
LCL-28	Nickel and compounds (as Ni)	1, 2b	10,000		2,000,000		60,000	20
LCL-30	Selenium and compounds (as Se)	1	10,000					
LCL-32	Zinc and compounds (as Zn)	1	10,000					
Inorganic substances								
1332-21-4	Asbestos (friable)							
LCL-42	Cyanide (inorganic) compounds (as CN)	1	10,000					
74-90-8	Hydrogen cyanide							
LCL-43	Fluorides (as total F)	1, 2a, 2b	10,000		400,000	1,000	60,000	20
LCL-45	Phosphorus (total)	3		3,000				
LCL-50	PM10 - Particulate matter	2a, 2b			400,000	1,000	60,000	20
LCL-52	Chlorides (as total Cl)							
LCL-53	Total nitrogen	3		15,000				
Chlorinated and brominated organic substances								
107-06-2	1,2-Dichloroethane	1	10,000					
79-00-5	1,1,2-Trichloroethane	1	10,000					
71-55-6	1,1,1-trichloroethane							
79-34-5	1,1,2,2-Tetrachloroethane	1	10,000					
75-01-4	Vinyl chloride (Chloroethylene)	1	10,000					
79-01-6	Trichloroethylene	1	10,000					
127-18-4	Tetrachloroethylene	1	10,000					
75-09-2	Dichloromethane / methylene dichloride	1	10,000					
67-66-3	Trichloromethane / Chloroform	1	10,000					
56-23-5	Tetrachloromethane / Carbon tetrachloride							
12002-48-1	Trichlorobenzenes							
1163-19-5	Decabromodiphenyl ether							
LCL-55	Brominated diphenylethers (PBDE) (total mass of penta-BDE, octa-BDE and deca-BDE)							
85535-84-8	Chloro-alkanes (C10-C13) / Polychlorinated alkanes (C10 to C13) / Alkanes, C10-13, chloro							
87-86-5	Pentachlorophenol (PCP)							
LCL-60	Halogenated organic compounds (as AOX)							
87-68-3	Hexachlorobutadiene (HCBD)							

Short Chemical List

Pollutant		Thresholds, Australia: NPI						
CAS Number	Pollutant Name	Chemical Category	Usage (kg/year)	Annual Emission / Transfer (kg/year)	Fuel Combusted: Annual (kg/year)	Fuel Combusted: Hourly (kg/hr)	Energy Use (MWh)	Power Rating (MW)
Ozone depleting substances								
LCL-62	Hydrochlorofluorocarbons (HCFCs)							
LCL-63	Chlorofluorocarbons (CFCs)							
LCL-65	Halons							
Greenhouse gases (GHGs)								
124-38-9	Carbon dioxide							
74-82-8	Methane							
10024-97-2	Nitrous oxide							
LCL-66	Hydrofluorocarbons (HFCs)							
LCL-67	Perfluorocarbons (PFCs)							
2551-62-4	Sulphur hexafluoride (SF6)							
Other gases								
7664-41-7	Ammonia (NH3)	1	10,000					
LCL-69	Chlorine and inorganic compounds (as HCl)	1	10,000					
75-21-8	Ethylene oxide	1	10,000					
630-08-0	Carbon monoxide	1, 2a, 2b	10,000		400,000	1,000	60,000	20
LCL-70	Fluorine and inorganic compounds (as HF)							
11104-93-1	Nitrogen oxides (NOx/NO2)	2a, 2b			400,000	1,000	60,000	20
2025-88-4	Sulphur oxides (SOx/SO2)	1, 2a, 2b	10,000		400,000	1,000	60,000	20
Polycyclic aromatic hydrocarbons (PAHs)								
LCL-74	Polycyclic aromatic hydrocarbons (PAHs) as benzo(a)pyrene (50-32-8), benzo(b)-fluoranthene (205-99-2), benzo(k)fluoranthene (207-08-9), indeno(1,2,3-cd)pyrene (193-39-5)							
120-12-7	Anthracene							
91-20-3	Naphthalene							
Other organic substances								
75-05-8	Acetonitrile	1	10,000					
107-02-8	Acrolein	1	10,000					
79-06-1	Acrylamid	1	10,000					
79-10-7	Acrylic acid and its water-soluble salts	1	10,000					
80-62-6	Methyl methacrylate	1	10,000					
107-13-1	Acrylonitrile	1	10,000					
75-07-0	Acetaldehyde	1	10,000					
62-53-3	Aniline	1	10,000					
92-52-4	Biphenyl (1,1-biphenyl)	1	10,000					
98-82-8	Cumene (1-methylethylbenzene)	1	10,000					
110-54-3	n-Hexane	1	10,000					
71-43-2	Benzene	1	10,000					
100-41-4	Ethylbenzene	1	10,000					
108-88-3	Toluene	1	10,000					
1330-20-7	Xylene (mixed isomers)	1	10,000					
106-99-0	1,3-Butadiene	1	10,000					
75-15-0	Carbon disulfide / Carbon disulphide	1	10,000					
101-68-8	Methylenebis(phenylisocyanate) (MDI)	1	10,000					
110-80-5	2-Ethoxyethanol / ethylene glycol monoethyl ether	1	10,000					
109-86-4	Methoxyethanol / ethylene glycol monomethyl ether	1	10,000					
50-00-0	Formaldehyde	1	10,000					
110-49-6	2-Methoxyethanol acetate / 2-methoxyethyl acetate	1	10,000					
111-15-9	2-Ethoxyethanol acetate / 2-ethoxyethyl acetate	1	10,000					
101-14-4	4,4'-Methylene-bis(2-chloroaniline) (MOCA) / 3,3'-dichloro-4,4'-diaminodiphenylmethane	1	10,000					
LCL-91	Organotin compounds (as total Sn)	1	10,000					
LCL-92	Tributyltin and compounds							
LCL-93	Triphenyltin and compounds							
LCL-94	Phenols (as total C)							
108-95-2	Phenol	1	10,000					
117-81-7	Di-(2-ethyl hexyl) phthalate (DEHP) / bis(2-ethylhexyl)phthalate	1	10,000					
84-74-2	Dibutyl phthalate	1	10,000					
100-42-5	Styrene	1	10,000					
LCL-95	Nonylphenol and Nonylphenol ethoxylates (NP/NPEs)							
LCL-100	Non-methane volatile organic compounds (NMVOC)							
LCL-107	Total organic carbon (TOC) (as total C or COD/3)							
Active substances of plant protection products or biocidal products								
15972-60-8	Alachlor (2-chloro-2',6'-diethy-N-(methoxymethyl)acetanilide)							
330-54-1	Diuron (3-(3,4-dichlorophenyl)-1,1-dimethylurea) / DCMU							
1912-24-9	Atrazine (2-chloro-4-ethylamino-6-isopropylamino-1,3,5-triazine)							
122-34-9	Simazine (2-chloro-4,6-bis(ethylamino)-1,3,5-triazine)							
1582-09-8	Trifluralin (α,α,α-trifluoro-2,6-dinitro-N,N-dipropyl-p-toluidine)							
470-90-8	Chlorfenvinphos							
2921-88-2	Chlorpyrifos							
115-29-7	Endosulphan / 6,7,8,9,10,10-hexachloro-1,5,5a,6,9,9a-hexahydro-6,9-methano-2,4,3-benzodioxathiepine 3-oxide							
608-73-1	1,2,3,4,5, 6-hexachlorocyclohexane (HCH)							
34123-59-6	Isoproturon							

Pollutant		Thresholds, Canada: NPRI					
CAS Number	Pollutant Name	Chemical Category	Manufacture, Process, or Otherwise Use (kg/year)	Release, Disposal, or Transfer for Recycling (kg/year)	Activity	Air Release (kg/year)	Concentration	Caveats/ Notes
Persistent Organic Pollutants (POPs)								
309-00-2	Aldrin							
57-74-9	Chlordane							
50-29-3	DDT / 1,1,1-trichloro-2,2-bis(4-chlorophenyl)ethane							
60-57-1	Dieldrin							
72-20-8	Endrin							
76-44-8	Heptachlor							
2385-85-5	Mirex							
8001-35-2	Toxaphene							
319-84-6	alpha-hexachlorocyclohexane							
319-85-7	beta-hexachlorocyclohexane							
58-89-9	Lindane / gamma-hexachlorocyclohexane							
143-50-0	Chlordecone							
608-93-5	Pentachlorobenzene							
118-74-1	Hexachlorobenzene (HCB)	3			✓			
1336-36-3	Polychlorinated biphenyls (PCBs)							
36355-01-8	Hexabromobiphenyl							
68631-49-2	2,2',4,4',5,5'-hexabromodiphenyl ether (BDE-153)							
207122-15-4	2,2',4,4',5,6'-hexabromodiphenyl ether (BDE-154)							
446255-22-7	2,2',3,3',4,5',6-heptabromodiphenyl ether (BDE-175)							
207122-16-5	2,2',3,4,4',5',6-heptabromodiphenyl ether (BDE-183)							
5436-43-1	Tetrabromodiphenyl ether							
60348-60-9	Pentabromodiphenyl ether							
LCL-1	Perfluorooctane sulfonic acid (PFOS), its salts and perfluorooctane sulfonyl fluoride (PFOS-F) / Jpn: perfluoro(octane-1-sulfonic acid)							
LCL-2	Polychlorinated dioxins and furans (as TEF)	3			✓			
Metals								
LCL-5	Antimony and compounds (as Sb)	1A	10,000				1.0%	
LCL-7	Arsenic and compounds (as As)	1B	50				0.1%	
LCL-10	Cadmium and compounds (as Cd)	1B	5				0.1%	
LCL-14	Chromium and chromium(III) compounds (as Cr)	1A	10,000				1.0%	
LCL-15	Chromium(VI) compounds (as Cr)	1B	50				0.1%	
LCL-17	Cobalt and compounds (as Co)	1A	10,000				1.0%	
LCL-19	Copper and compounds (as Cu)	1A	10,000				1.0%	
LCL-21	Lead and compounds as (Pb)	1B	50				0.1%	
LCL-24	Manganese and compounds (as Mn)	1A	10,000				1.0%	
LCL-26	Mercury and compounds (as Hg)	1B	5					
LCL-28	Nickel and compounds (as Ni)	1A	10,000				1.0%	
LCL-30	Selenium and compounds (as Se)	1B	100				0.0%	
LCL-32	Zinc and compounds (as Zn)	1A	10,000				1.0%	
Inorganic substances								
1332-21-4	Asbestos (friable)	1A	10,000				1.0%	
LCL-42	Cyanide (inorganic) compounds (as CN)	1A	10,000				1.0%	
74-90-8	Hydrogen cyanide	1A	10,000				1.0%	
LCL-43	Fluorides (as total F)							
LCL-45	Phosphorus (total)							
LCL-50	PM10 - Particulate matter	4				500		
LCL-52	Chlorides (as total Cl)							
LCL-53	Total nitrogen							
Chlorinated and brominated organic substances								
107-06-2	1,2-Dichloroethane	1A	10,000				1.0%	
79-00-5	1,1,2-Trichloroethane	1A	10,000				1.0%	
71-55-6	1,1,1-trichloroethane							
79-34-5	1,1,2,2-Tetrachloroethane	1A	10,000				1.0%	
75-01-4	Vinyl chloride (Chloroethylene)	1A	10,000				1.0%	
79-01-6	Trichloroethylene	1A	10,000				1.0%	
127-18-4	Tetrachloroethylene	1A	10,000				1.0%	
75-09-2	Dichloromethane / methylene dichloride	1A	10,000				1.0%	
67-66-3	Trichloromethane / Chloroform	1A	10,000				1.0%	
56-23-5	Tetrachloromethane / Carbon tetrachloride	1A	10,000				1.0%	
12002-48-1	Trichlorobenzenes							
1163-19-5	Decabromodiphenyl ether	1A	10,000				1.0%	
LCL-55	Brominated diphenylethers (PBDE) (total mass of penta-BDE, octa-BDE and deca-BDE)							
85535-84-8	Chloro-alkanes (C10-C13) / Polychlorinated alkanes (C10 to C13) / Alkanes, C10-13, chloro	1A	10,000				1.0%	
87-86-5	Pentachlorophenol (PCP)							
LCL-60	Halogenated organic compounds (as AOX)							
87-68-3	Hexachlorobutadiene (HCBD)							

Short Chemical List

Pollutant		Thresholds, Canada: NPRI						
CAS Number	Pollutant Name	Chemical Category	Manufacture, Process, or Otherwise Use (kg/year)	Release, Disposal, or Transfer for Recycling (kg/year)	Activity	Air Release (kg/year)	Concentration	Caveats/ Notes
Ozone depleting substances								
LCL-62	Hydrochlorofluorocarbons (HCFCs)							
LCL-63	Chlorofluorocarbons (CFCs)							
LCL-65	Halons							
Greenhouse gases (GHGs)								
124-38-9	Carbon dioxide							
74-82-8	Methane							
10024-97-2	Nitrous oxide							
LCL-66	Hydrofluorocarbons (HFCs)							
LCL-67	Perfluorocarbons (PFCs)							
2551-62-4	Sulphur hexafluoride (SF6)							
Other gases								
7664-41-7	Ammonia (NH3)	1A	10,000				1.0%	
LCL-69	Chlorine and inorganic compounds (as HCl)	1A	10,000				1.0%	
75-21-8	Ethylene oxide	1A	10,000				1.0%	
630-08-0	Carbon monoxide	4				20,000		
LCL-70	Fluorine and inorganic compounds (as HF)							
11104-93-1	Nitrogen oxides (NOx/NO2)	4				20,000		
2025-88-4	Sulphur oxides (SOx/SO2)	4				20,000		
Polycyclic aromatic hydrocarbons (PAHs)								
LCL-74	Polycyclic aromatic hydrocarbons (PAHs) as benzo(a)pyrene (50-32-8), benzo(b)-fluoranthene (205-99-2), benzo(k)fluoranthene (207-08-9), indeno(1,2,3-cd)pyrene (193-39-5)							
120-12-7	Anthracene	1A	10,000				1.0%	
91-20-3	Naphthalene	1A	10,000				1.0%	
Other organic substances								
75-05-8	Acetonitrile	1A	10,000				1.0%	
107-02-8	Acrolein	1A	10,000				1.0%	
79-06-1	Acrylamid	1A	10,000				1.0%	
79-10-7	Acrylic acid and its water-soluble salts	1A	10,000				1.0%	
80-62-6	Methyl methacrylate	1A	10,000				1.0%	
107-13-1	Acrylonitrile	1A	10,000				1.0%	
75-07-0	Acetaldehyde	1A	10,000				1.0%	
62-53-3	Aniline	1A	10,000				1.0%	
92-52-4	Biphenyl (1,1-biphenyl)	1A	10,000				1.0%	
98-82-8	Cumene (1-methylethylbenzene)	1A	10,000				1.0%	
110-54-3	n-Hexane	1A	10,000				1.0%	
71-43-2	Benzene	1A	10,000				1.0%	
100-41-4	Ethylbenzene	1A	10,000				1.0%	
108-88-3	Toluene	1A	10,000				1.0%	
1330-20-7	Xylene (mixed isomers)	1A	10,000				1.0%	
106-99-0	1,3-Butadiene	1A	10,000				1.0%	
75-15-0	Carbon disulfide / Carbon disulphide	1A	10,000				1.0%	
101-68-8	Methylenebis(phenylisocyanate) (MDI)	1A	10,000				1.0%	
110-80-5	2-Ethoxyethanol / ethylene glycol monoethyl ether	1A	10,000				1.0%	
109-86-4	Methoxyethanol / ethylene glycol monomethyl ether	1A	10,000				1.0%	
50-00-0	Formaldehyde	1A	10,000				1.0%	
110-49-6	2-Methoxyethanol acetate / 2-methoxyethyl acetate	1A	10,000				1.0%	
111-15-9	2-Ethoxyethanol acetate / 2-ethoxyethyl acetate	1A	10,000				1.0%	
101-14-4	4,4'-Methylene-bis(2-chloroaniline) (MOCA) / 3,3'-dichloro-4,4'-diaminodiphenylmethane	1A	10,000				1.0%	
LCL-91	Organotin compounds (as total Sn)							
LCL-92	Tributyltin and compounds							
LCL-93	Triphenyltin and compounds							
LCL-94	Phenols (as total C)							
108-95-2	Phenol	1A	10,000				1.0%	
117-81-7	Di-(2-ethyl hexyl) phthalate (DEHP) / bis(2-ethylhexyl)phthalate	1A	10,000				1.0%	
84-74-2	Dibutyl phthalate	1A	10,000				1.0%	
100-42-5	Styrene	1A	10,000				1.0%	
LCL-95	Nonylphenol and Nonylphenol ethoxylates (NP/NPEs)	1A	10,000				1.0%	
LCL-100	Non-methane volatile organic compounds (NMVOC)							
LCL-107	Total organic carbon (TOC) (as total C or COD/3)							
Active substances of plant protection products or biocidal products								
15972-60-8	Alachlor (2-chloro-2',6'-diethy-N-(methoxymethyl)acetanilide)							
330-54-1	Diuron (3-(3,4-dichlorophenyl)-1,1-dimethylurea) / DCMU							
1912-24-9	Atrazine (2-chloro-4-ethylamino-6-isopropylamino-1,3,5-triazine)							
122-34-9	Simazine (2-chloro-4,6-bis(ethylamino)-1,3,5-triazine)							
1582-09-8	Trifluralin (α,α,α-trifluoro-2,6-dinitro-N,N-dipropyl-p-toluidine)							
470-90-8	Chlorfenvinphos							
2921-88-2	Chlorpyrifos							
115-29-7	Endosulphan / 6,7,8,9,10,10-hexachloro-1,5,5a,6,9,9a-hexahydro-6,9-methano-2,4,3-benzodioxathiepine 3-oxide							
608-73-1	1,2,3,4,5, 6-hexachlorocyclohexane (HCH)							
34123-59-6	Isoproturon							

Short Chemical List

Pollutant		Thresholds, EU: E-PRTR			Thresholds, Kiev Protocol Implementation Guidelines				
CAS Number	Pollutant Name	Release to Air (kg/year)	Release to Water (kg/year)	Release to Land (kg/year)	Release to Air (kg/year)	Release to Water (kg/year)	Release to Land (kg/year)	Manufacture, Process or Use (kg/year)	Off-Site Transfers
Persistent Organic Pollutants (POPs)									
309-00-2	Aldrin	1	1	1	1	1	1	1	1
57-74-9	Chlordane	1	1	1	1	1	1	1	1
50-29-3	DDT / 1,1,1-trichloro-2,2-bis(4-chlorophenyl)ethane	1	1	1	1	1	1	1	1
60-57-1	Dieldrin	1	1	1	1	1	1	1	1
72-20-8	Endrin	1	1	1	1	1	1	1	1
76-44-8	Heptachlor	1	1	1	1	1	1	1	1
2385-85-5	Mirex	1	1	1	1	1	1	1	1
8001-35-2	Toxaphene	1	1	1	1	1	1	1	1
319-84-6	alpha-hexachlorocyclohexane								
319-85-7	beta-hexachlorocyclohexane								
58-89-9	Lindane / gamma-hexachlorocyclohexane	1	1	1	1	1	1	1	1
143-50-0	Chlordecone	1	1	1	1	1	1	1	1
608-93-5	Pentachlorobenzene	1	1	1	1	1	1	50	5
118-74-1	Hexachlorobenzene (HCB)	10	1	1	10	1	1	5	1
1336-36-3	Polychlorinated biphenyls (PCBs)	0	0	0	0	0	0	50	1
36355-01-8	Hexabromobiphenyl	0	0	0					
68631-49-2	2,2',4,4',5,5'-hexabromodiphenyl ether (BDE-153)								
207122-15-4	2,2',4,4',5,6'-hexabromodiphenyl ether (BDE-154)								
446255-22-7	2,2',3,3',4,5',6-heptabromodiphenyl ether (BDE-175)								
207122-16-5	2,2',3,4,4',5',6-heptabromodiphenyl ether (BDE-183)								
5436-43-1	Tetrabromodiphenyl ether								
60348-60-9	Pentabromodiphenyl ether								
LCL-1	Perfluorooctane sulfonic acid (PFOS), its salts and perfluorooctane sulfonyl fluoride (PFOS-F) / Jpn: perfluoro(octane-1-sulfonic acid)								
LCL-2	Polychlorinated dioxins and furans (as TEF)	0	0	0	0	0	0	0	0
Metals									
LCL-5	Antimony and compounds (as Sb)								
LCL-7	Arsenic and compounds (as As)	20	5	5	20	5	5	50	50
LCL-10	Cadmium and compounds (as Cd)	10	5	5	10	5	5	5	5
LCL-14	Chromium and chromium(III) compounds (as Cr)								
LCL-15	Chromium(VI) compounds (as Cr)								
LCL-17	Cobalt and compounds (as Co)								
LCL-19	Copper and compounds (as Cu)	100	50	50	100	50	50	10,000	500
LCL-21	Lead and compounds as (Pb)	200	20	20	200	20	20	50	50
LCL-24	Manganese and compounds (as Mn)								
LCL-26	Mercury and compounds (as Hg)	10	1	1	10	1	1	5	5
LCL-28	Nickel and compounds (as Ni)	50	20	20	50	20	20	10,000	500
LCL-30	Selenium and compounds (as Se)								
LCL-32	Zinc and compounds (as Zn)	200	100	100	200	100	100	10,000	1,000
Inorganic substances									
1332-21-4	Asbestos (friable)	1	1	1	1	1	1	10,000	10
LCL-42	Cyanide (inorganic) compounds (as CN)	-	50	50	-	50	50	10,000	500
74-90-8	Hydrogen cyanide	200	-	-	200	-	-	10,000	-
LCL-43	Fluorides (as total F)	-	2,000	2,000	-	2,000	2,000	10,000	10,000
LCL-45	Phosphorus (total)	-	5,000	5,000	-	5,000	5,000	10,000	10,000
LCL-50	PM10 - Particulate matter	50,000	-	-	50,000	-	-	#	-
LCL-52	Chlorides (as total Cl)	-	2,000,000	2,000,000	-	2,000,000	2,000,000	10,000	2,000,000
LCL-53	Total nitrogen	-	50,000	50,000	-	50,000	50,000	10,000	10,000
Chlorinated and brominated organic substances									
107-06-2	1,2-Dichloroethane	1,000	10	10	1,000	10	10	10,000	100
79-00-5	1,1,2-Trichloroethane								
71-55-6	1,1,1-trichloroethane	100	-	-	100	-	-	10,000	1,000
79-34-5	1,1,2,2-Tetrachloroethane	50	-	-	50	-	-	10,000	1,000
75-01-4	Vinyl chloride (Chloroethylene)	1,000	10	10	1,000	10	10	10,000	100
79-01-6	Trichloroethylene	2,000	10	-	2,000	-	-	10,000	1,000
127-18-4	Tetrachloroethylene	2,000	10	-	2,000	-	-	10,000	1,000
75-09-2	Dichloromethane / methylene dichloride	1,000	10	10	1,000	10	10	10,000	100
67-66-3	Trichloromethane / Chloroform	500	10	-	500	-	-	10,000	1,000
56-23-5	Tetrachloromethane / Carbon tetrachloride	100	1	-	100	-	-	10,000	1,000
12002-48-1	Trichlorobenzenes	10	1	-	10	-	-	10,000	1,000
1163-19-5	Decabromodiphenyl ether								
LCL-55	Brominated diphenylethers (PBDE) (total mass of penta-BDE, octa-BDE and deca-BDE)	-	1	1	-	1	1	10,000	5
85535-84-8	Chloro-alkanes (C10-C13) / Polychlorinated alkanes (C10 to C13) / Alkanes, C10-13, chloro	-	1	1	-	1	1	10,000	10
87-86-5	Pentachlorophenol (PCP)	10	1	1	10	1	1	10,000	5
LCL-60	Halogenated organic compounds (as AOX)	-	1,000	1,000	-	1,000	1,000	10,000	1,000
87-68-3	Hexachlorobutadiene (HCBD)	-	1	1	-	1	1	10,000	5

Short Chemical List

Pollutant		Thresholds, EU: E-PRTR			Thresholds, Kiev Protocol Implementation Guidelines				
CAS Number	Pollutant Name	Release to Air (kg/year)	Release to Water (kg/year)	Release to Land (kg/year)	Release to Air (kg/year)	Release to Water (kg/year)	Release to Land (kg/year)	Manufacture, Process or Use (kg/year)	Off-Site Transfers
Ozone depleting substances									
LCL-62	Hydrochlorofluorocarbons (HCFCs)	1	-	-	1	-	-	10,000	100
LCL-63	Chlorofluorocarbons (CFCs)	1	-	-	1	-	-	10,000	100
LCL-65	Halons	1	-	-	1	-	-	10,000	100
Greenhouse gases (GHGs)									
124-38-9	Carbon dioxide	100,000,000	-	-	100,000,000	-	-	#	-
74-82-8	Methane	100,000	-	-	100,000	-	-	#	-
10024-97-2	Nitrous oxide	10,000	-	-	10,000	-	-	#	-
LCL-66	Hydrofluorocarbons (HFCs)	100	-	-	100	-	-	#	-
LCL-67	Perfluorocarbons (PFCs)	100	-	-	100	-	-	#	-
2551-62-4	Sulphur hexafluoride (SF6)	50	-	-	50	-	-	#	-
Other gases									
7664-41-7	Ammonia (NH3)	10,000	-	-	10,000	-	-	10,000	-
LCL-69	Chlorine and inorganic compounds (as HCl)	10,000	-	-	10,000	-	-	10,000	-
75-21-8	Ethylene oxide	1,000	10	10	1,000	10	10	10,000	100
630-08-0	Carbon monoxide	500,000	-	-	500,000	-	-	#	-
LCL-70	Fluorine and inorganic compounds (as HF)	5,000	-	-	5,000	-	-	10,000	-
11104-93-1	Nitrogen oxides (NOx/NO2)	100,000	-	-	100,000	-	-	#	-
2025-88-4	Sulphur oxides (SOx/SO2)	150,000	-	-	150,000	-	-	#	-
Polycyclic aromatic hydrocarbons (PAHs)									
LCL-74	Polycyclic aromatic hydrocarbons (PAHs) as benzo(a)pyrene (50-32-8), benzo(b)-fluoranthene (205-99-2), benzo(k)fluoranthene (207-08-9), indeno(1,2,3-cd)pyrene (193-39-5)	50	5	5	50	5	5	50	50
120-12-7	Anthracene	50	1	1	50	1	1	50	50
91-20-3	Naphthalene	100	10	10	100	10	10	10,000	100
Other organic substances									
75-05-8	Acetonitrile								
107-02-8	Acrolein								
79-06-1	Acrylamid								
79-10-7	Acrylic acid and its water-soluble salts								
80-62-6	Methyl methacrylate								
107-13-1	Acrylonitrile								
75-07-0	Acetaldehyde								
62-53-3	Aniline								
92-52-4	Biphenyl (1,1-biphenyl)								
98-82-8	Cumene (1-methylethylbenzene)								
110-54-3	n-Hexane								
71-43-2	Benzene	1,000	200	200	1,000	200	200	10,000	2,000
100-41-4	Ethylbenzene	-	200	200	-	200	200	10,000	2,000
108-88-3	Toluene	-	200	200	-	200	200	10,000	2,000
1330-20-7	Xylene (mixed isomers)	-	200	200	-	200	200	10,000	2,000
106-99-0	1,3-Butadiene								
75-15-0	Carbon disulfide / Carbon disulphide								
101-68-8	Methylenebis(phenylisocyanate) (MDI)								
110-80-5	2-Ethoxyethanol / ethylene glycol monoethyl ether								
109-86-4	Methoxyethanol / ethylene glycol monomethyl ether								
50-00-0	Formaldehyde								
110-49-6	2-Methoxyethanol acetate / 2-methoxyethyl acetate								
111-15-9	2-Ethoxyethanol acetate / 2-ethoxyethyl acetate								
101-14-4	4,4'-Methylene-bis(2-chloroaniline) (MOCA) / 3,3'-dichloro-4,4'-diaminodiphenylmethane								
LCL-91	Organotin compounds (as total Sn)	-	50	50	-	50	50	10,000	50
LCL-92	Tributyltin and compounds	-	1	1	-	1	1	10,000	5
LCL-93	Triphenyltin and compounds	-	1	1	-	1	1	10,000	5
LCL-94	Phenols (as total C)	-	20	20	-	20	20	10,000	200
108-95-2	Phenol								
117-81-7	Di-(2-ethyl hexyl) phthalate (DEHP) / bis(2-ethylhexyl)phthalate	10	1	1	10	1	1	10,000	100
84-74-2	Dibutyl phthalate								
100-42-5	Styrene								
LCL-95	Nonylphenol and Nonylphenol ethoxylates (NP/NPEs)	-	1	1	-	1	1	10,000	5
LCL-100	Non-methane volatile organic compounds (NMVOC)	100,000	-	-	100,000	-	-	#	-
LCL-107	Total organic carbon (TOC) (as total C or COD/3)	-	50,000	-	-	50,000	-	##	-
Active substances of plant protection products or biocidal products									
15972-60-8	Alachlor (2-chloro-2',6'-diethy-N-(methoxymethyl)acetanilide)	-	1	1	-	-	-	10,000	5
330-54-1	Diuron (3-(3,4-dichlorophenyl)-1,1-dimethylurea) / DCMU	-	1	1	-	1	1	10,000	5
1912-24-9	Atrazine (2-chloro-4-ethylamino-6-isopropylamino-1,3,5-triazine)	-	1	1	-	1	1	10,000	5
122-34-9	Simazine (2-chloro-4,6-bis(ethylamino)-1,3,5-triazine)	-	1	1	-	1	1	10,000	5
1582-09-8	Trifluralin (α,α,α-trifluoro-2,6-dinitro-N,N-dipropyl-p-toluidine)	-	1	1	-	1	1	10,000	5
470-90-8	Chlorfenvinphos	-	1	1	-	1	1	10,000	5
2921-88-2	Chlorpyrifos	-	1	1	-	1	1	10,000	5
115-29-7	Endosulphan / 6,7,8,9,10,10-hexachloro-1,5,5a,6,9,9a-hexahydro-6,9-methano-2,4,3-benzodioxathiepine 3-oxide	-	1	1	-	1	1	10,000	5
608-73-1	1,2,3,4,5, 6-hexachlorocyclohexane (HCH)	10	1	1	10	1	1	10	1
34123-59-6	Isoproturon	-	1	1	-	1	1	10,000	5

Short Chemical List

Pollutant		Thresholds, Japan: PRTR			Thresholds, US: TRI				
CAS Number	Pollutant Name	Chemical Category	Usage (kg/year)	Concentration	Manufacture (kg/year)	Process (kg/year)	Otherwise Use (kg/year)	De Minimis % Limit	Caveats/ Notes
Persistent Organic Pollutants (POPs)									
309-00-2	Aldrin				45	45	45	‡	
57-74-9	Chlordane				5	5	5	‡	
50-29-3	DDT / 1,1,1-trichloro-2,2-bis(4-chlorophenyl)ethane								
60-57-1	Dieldrin								
72-20-8	Endrin								
76-44-8	Heptachlor				5	5	5	‡	
2385-85-5	Mirex								
8001-35-2	Toxaphene				5	5	5	‡	
319-84-6	alpha-hexachlorocyclohexane				11,340	11,340	4,536	0.1%	
319-85-7	beta-hexachlorocyclohexane								
58-89-9	Lindane / gamma-hexachlorocyclohexane				11,340	11,340	4,536	0.1%	
143-50-0	Chlordecone								
608-93-5	Pentachlorobenzene				5	5	5	‡	
118-74-1	Hexachlorobenzene (HCB)				5	5	5	‡	
1336-36-3	Polychlorinated biphenyls (PCBs)	I	1,000	1%	5	5	5	‡	
36355-01-8	Hexabromobiphenyl								
68631-49-2	2,2',4,4',5,5'-hexabromodiphenyl ether (BDE-153)								
207122-15-4	2,2',4,4',5,6'-hexabromodiphenyl ether (BDE-154)								
446255-22-7	2,2',3,3',4,5',6-heptabromodiphenyl ether (BDE-175)								
207122-16-5	2,2',3,4,4',5',6-heptabromodiphenyl ether (BDE-183)								
5436-43-1	Tetrabromodiphenyl ether								
60348-60-9	Pentabromodiphenyl ether								
LCL-1	Perfluorooctane sulfonic acid (PFOS), its salts and perfluorooctane sulfonyl fluoride (PFOS-F) / Jpn: perfluoro(octane-1-sulfonic acid)	I	1,000	1%					
LCL-2	Polychlorinated dioxins and furans (as TEF)				0	0	0	‡	
Metals									
LCL-5	Antimony and compounds (as Sb)	I	1,000	1%	11,340	11,340	4,536	1.0%	
LCL-7	Arsenic and compounds (as As)	I	1,000	1%	11,340	11,340	4,536	1.0%	
LCL-10	Cadmium and compounds (as Cd)	S	500	0%	11,340	11,340	4,536	1.0%	
LCL-14	Chromium and chromium(III) compounds (as Cr)	I	1,000	1%				1.0%	
LCL-15	Chromium(VI) compounds (as Cr)	S	500	0%	11,340	11,340	4,536	0.1%	
LCL-17	Cobalt and compounds (as Co)	I	1,000	1%	11,340	11,340	4,536	1.0%	
LCL-19	Copper and compounds (as Cu)	I	1,000	1%	11,340	11,340	4,536	1.0%	
LCL-21	Lead and compounds as (Pb)	S	500	0%	45	45	45	‡	
LCL-24	Manganese and compounds (as Mn)	I	1,000	1%	11,340	11,340	4,536	1.0%	
LCL-26	Mercury and compounds (as Hg)	I	1,000	1%	5	5	5	‡	
LCL-28	Nickel and compounds (as Ni)	S	500	0%	11,340	11,340	4,536	1.0%	
LCL-30	Selenium and compounds (as Se)	I	1,000	1%	11,340	11,340	4,536	1.0%	
LCL-32	Zinc and compounds (as Zn)	I	1,000	1%	11,340	11,340	4,536	1.0%	
Inorganic substances									
1332-21-4	Asbestos (friable)	S	500	0%	11,340	11,340	4,536	0.1%	
LCL-42	Cyanide (inorganic) compounds (as CN)	I	1,000	1%	11,340	11,340	4,536	1.0%	
74-90-8	Hydrogen cyanide				11,340	11,340	4,536	1.0%	
LCL-43	Fluorides (as total F)	I	1,000	1%					
LCL-45	Phosphorus (total)								
LCL-50	PM10 - Particulate matter								
LCL-52	Chlorides (as total Cl)								
LCL-53	Total nitrogen								
Chlorinated and brominated organic substances									
107-06-2	1,2-Dichloroethane	I	1,000	1%	11,340	11,340	4,536	0.1%	
79-00-5	1,1,2-Trichloroethane	I	1,000	1%	11,340	11,340	4,536	1.0%	
71-55-6	1,1,1-trichloroethane	I	1,000	1%	11,340	11,340	4,536	1.0%	
79-34-5	1,1,2,2-Tetrachloroethane				11,340	11,340	4,536	1.0%	
75-01-4	Vinyl chloride (Chloroethylene)	S	500	0%	11,340	11,340	4,536	0.1%	
79-01-6	Trichloroethylene	I	1,000	1%	11,340	11,340	4,536	0.1%	
127-18-4	Tetrachloroethylene	I	1,000	1%	11,340	11,340	4,536	0.1%	
75-09-2	Dichloromethane / methylene dichloride	I	1,000	1%	11,340	11,340	4,536	0.1%	
67-66-3	Trichloromethane / Chloroform	I	1,000	1%	11,340	11,340	4,536	0.1%	
56-23-5	Tetrachloromethane / Carbon tetrachloride	I	1,000	1%	11,340	11,340	4,536	0.1%	
12002-48-1	Trichlorobenzenes	I	1,000	1%					
1163-19-5	Decabromodiphenyl ether	I	1,000	1%	11,340	11,340	4,536	1.0%	
LCL-55	Brominated diphenylethers (PBDE) (total mass of penta-BDE, octa-BDE and deca-BDE)								
85535-84-8	Chloro-alkanes (C10-C13) / Polychlorinated alkanes (C10 to C13) / Alkanes, C10-13, chloro	I	1,000	1%	11,340	11,340	4,536	1.0% or 0.1%	0.1% de minir
87-86-5	Pentachlorophenol (PCP)	I	1,000	1%	11,340	11,340	4,536	0.1%	
LCL-60	Halogenated organic compounds (as AOX)								
87-68-3	Hexachlorobutadiene (HCBD)				11,340	11,340	4,536	1.0%	

Short Chemical List

Pollutant		Thresholds, Japan: PRTR			Thresholds, US: TRI				
CAS Number	Pollutant Name	Chemical Category	Usage (kg/year)	Concentration	Manufacture (kg/year)	Process (kg/year)	Otherwise Use (kg/year)	De Minimis % Limit	Caveats/ Notes
Ozone depleting substances									
LCL-62	Hydrochlorofluorocarbons (HCFCs)								
LCL-63	Chlorofluorocarbons (CFCs)								
LCL-65	Halons								
Greenhouse gases (GHGs)									
124-38-9	Carbon dioxide								
74-82-8	Methane								
10024-97-2	Nitrous oxide								
LCL-66	Hydrofluorocarbons (HFCs)								
LCL-67	Perfluorocarbons (PFCs)								
2551-62-4	Sulphur hexafluoride (SF6)								
Other gases									
7664-41-7	Ammonia (NH3)				11,340	11,340	4,536	1.0%	
LCL-69	Chlorine and inorganic compounds (as HCl)				11,340	11,340	4,536	1.0%	
75-21-8	Ethylene oxide	S	500	0%	11,340	11,340	4,536	0.1%	
630-08-0	Carbon monoxide								
LCL-70	Fluorine and inorganic compounds (as HF)								
11104-93-1	Nitrogen oxides (NOx/NO2)								
2025-88-4	Sulphur oxides (SOx/SO2)								
Polycyclic aromatic hydrocarbons (PAHs)									
LCL-74	Polycyclic aromatic hydrocarbons (PAHs) as benzo(a)pyrene (50-32-8), benzo(b)-fluoranthene (205-99-2), benzo(k)fluoranthene (207-08-9), indeno(1,2,3-cd)pyrene (193-39-5)								
120-12-7	Anthracene	I	1,000	1%	11,340	11,340	4,536	1.0%	
91-20-3	Naphthalene	I	1,000	1%	11,340	11,340	4,536	0.1%	
Other organic substances									
75-05-8	Acetonitrile	I	1,000	1%	11,340	11,340	4,536	1.0%	
107-02-8	Acrolein	I	1,000	1%	11,340	11,340	4,536	1.0%	
79-06-1	Acrylamid	I	1,000	1%	11,340	11,340	4,536	0.1%	
79-10-7	Acrylic acid and its water-soluble salts	I	1,000	1%	11,340	11,340	4,536	1.0%	
80-62-6	Methyl methacrylate	I	1,000	1%	11,340	11,340	4,536	1.0%	
107-13-1	Acrylonitrile	I	1,000	1%	11,340	11,340	4,536	0.1%	
75-07-0	Acetaldehyde	I	1,000	1%	11,340	11,340	4,536	0.1%	
62-53-3	Aniline	I	1,000	1%	11,340	11,340	4,536	1.0%	
92-52-4	Biphenyl (1,1-biphenyl)	I	1,000	1%	11,340	11,340	4,536	1.0%	
98-82-8	Cumene (1-methylethylbenzene)	I	1,000	1%	11,340	11,340	4,536	1.0%	
110-54-3	n-Hexane	I	1,000	1%	11,340	11,340	4,536	1.0%	
71-43-2	Benzene	S	500	0%	11,340	11,340	4,536	0.1%	
100-41-4	Ethylbenzene	I	1,000	1%	11,340	11,340	4,536	0.1%	
108-88-3	Toluene	I	1,000	1%	11,340	11,340	4,536	1.0%	
1330-20-7	Xylene (mixed isomers)	I	1,000	1%	11,340	11,340	4,536	1.0%	
106-99-0	1,3-Butadiene	S	500	0%	11,340	11,340	4,536	0.1%	
75-15-0	Carbon disulfide / Carbon disulphide	I	1,000	1%	11,340	11,340	4,536	1.0%	
101-68-8	Methylenebis(phenylisocyanate) (MDI)	I	1,000	1%	11,340	11,340	4,536	1.0%	
110-80-5	2-Ethoxyethanol / ethylene glycol monoethyl ether	I	1,000	1%	11,340	11,340	4,536	1.0%	
109-86-4	Methoxyethanol / ethylene glycol monomethyl ether	I	1,000	1%	11,340	11,340	4,536	1.0%	
50-00-0	Formaldehyde	S	500	0%	11,340	11,340	4,536	0.1%	
110-49-6	2-Methoxyethanol acetate / 2-methoxyethyl acetate	I	1,000	1%					
111-15-9	2-Ethoxyethanol acetate / 2-ethoxyethyl acetate	I	1,000	1%					
101-14-4	4,4'-Methylene-bis(2-chloroaniline) (MOCA) / 3,3'-dichloro-4,4'-diaminodiphenylmethane	I	1,000	1%	11,340	11,340	4,536	0.1%	
LCL-91	Organotin compounds (as total Sn)	I	1,000	1%					
LCL-92	Tributyltin and compounds								
LCL-93	Triphenyltin and compounds								
LCL-94	Phenols (as total C)								
108-95-2	Phenol	I	1,000	1%	11,340	11,340	4,536	1.0%	
117-81-7	Di-(2-ethyl hexyl) phthalate (DEHP) / bis(2-ethylhexyl)phthalate	I	1,000	1%	11,340	11,340	4,536	0.1%	
84-74-2	Dibutyl phthalate	I	1,000	1%	11,340	11,340	4,536	1.0%	
100-42-5	Styrene	I	1,000	1%	11,340	11,340	4,536	0.1%	
LCL-95	Nonylphenol and Nonylphenol ethoxylates (NP/NPEs)	I	1,000	1%					
LCL-100	Non-methane volatile organic compounds (NMVOC)								
LCL-107	Total organic carbon (TOC) (as total C or COD/3)								
Active substances of plant protection products or biocidal products									
15972-60-8	Alachlor (2-chloro-2',6'-diethy-N-(methoxymethyl)acetanilide)	I	1,000	1%	11,340	11,340	4,536	1.0%	
330-54-1	Diuron (3-(3,4-dichlorophenyl)-1,1-dimethylurea) / DCMU	I	1,000	1%	11,340	11,340	4,536	1.0%	
1912-24-9	Atrazine (2-chloro-4-ethylamino-6-isopropylamino-1,3,5-triazine)	I	1,000	1%	11,340	11,340	4,536	1.0%	
122-34-9	Simazine (2-chloro-4,6-bis(ethylamino)-1,3,5-triazine)	I	1,000	1%	11,340	11,340	4,536	1.0%	
1582-09-8	Trifluralin (α,α,α-trifluoro-2,6-dinitro-N,N-dipropyl-p-toluidine)	I	1,000	1%	45	45	45	‡	
470-90-8	Chlorfenvinphos								
2921-88-2	Chlorpyrifos	I	1,000	1%					
115-29-7	Endosulphan / 6,7,8,9,10,10-hexachloro-1,5,5a,6,9,9a-hexahydro-6,9-methano-2,4,3-benzodioxathiepine 3-oxide	I	1,000	1%					
608-73-1	1,2,3,4,5, 6-hexachlorocyclohexane (HCH)								
34123-59-6	Isoproturon								

Pollutant		# Facilities Reporting Pollutant					Reporting Score				
CAS Number	Pollutant Name	Australia NPI	Canada NPRI	EU E-PRTR	Japan PRTR	US TRI	Australia NPI	Canada NPRI	EU E-PRTR	Japan PRTR	US TRI
Persistent Organic Pollutants (POPs)											
309-00-2	Aldrin			10		4			●●		●●
57-74-9	Chlordane			0		15			○		●●
50-29-3	DDT / 1,1,1-trichloro-2,2-bis(4-chlorophenyl)ethane			2					●		
60-57-1	Dieldrin			14					●●		
72-20-8	Endrin			8					●		
76-44-8	Heptachlor			1		13			●		●●
2385-85-5	Mirex			0					○		
8001-35-2	Toxaphene			3		12			●		●●
319-84-6	alpha-hexachlorocyclohexane					0					○
319-85-7	beta-hexachlorocyclohexane										
58-89-9	Lindane / gamma-hexachlorocyclohexane			9		6			●		●●
143-50-0	Chlordecone			0					○		
608-93-5	Pentachlorobenzene			11		18			●●		●●
118-74-1	Hexachlorobenzene (HCB)	2	232	3		76	●	●●	●		●●
1336-36-3	Polychlorinated biphenyls (PCBs)	0		111	3,045	90	○		●●	●●●	●●
36355-01-8	Hexabromobiphenyl			3					●		
68631-49-2	2,2',4,4',5,5'-hexabromodiphenyl ether (BDE-153)										
207122-15-4	2,2',4,4',5,6'-hexabromodiphenyl ether (BDE-154)										
446255-22-7	2,2',3,3',4,5',6-heptabromodiphenyl ether (BDE-175)										
207122-16-5	2,2',3,4,4',5',6-heptabromodiphenyl ether (BDE-183)										
5436-43-1	Tetrabromodiphenyl ether										
60348-60-9	Pentabromodiphenyl ether										
LCL-1	Perfluorooctane sulfonic acid (PFOS), its salts and perfluorooctane sulfonyl fluoride (PFOS-F) / Jpn: perfluoro(octane-1-sulfonic acid)				1					●	
LCL-2	Polychlorinated dioxins and furans (as TEF)	867	243	246		1,087	●●	●●	●●		●●●
Metals											
LCL-5	Antimony and compounds (as Sb)	337	72		659	461	●●	●●		●●●	●●●
LCL-7	Arsenic and compounds (as As)	1,143	298	936	3,121	331	●●	●●●	●●	●●●	●●●
LCL-10	Cadmium and compounds (as Cd)	1,080	377	577	3,116	85	●●	●●●	●●	●●●	●●
LCL-14	Chromium and chromium(III) compounds (as Cr)	1,194	389		4,029		●●	●●●		●●●	
LCL-15	Chromium(VI) compounds (as Cr)	654	193		3,556		●●	●●		●●●	
LCL-17	Cobalt and compounds (as Co)	470	97		396	408	●●	●●		●●	●●●
LCL-19	Copper and compounds (as Cu)	1,223	464	1,108	3,475	1,689	●●●	●●●	●●	●●●	●●●
LCL-21	Lead and compounds as (Pb)	1,223	674	814	3,369	3,778	●●●	●●●	●●	●●●	●●●
LCL-24	Manganese and compounds (as Mn)	663	523		4,198	1,648	●●	●●●		●●●	●●●
LCL-26	Mercury and compounds (as Hg)	1,223	300	900	3,044	1,156	●●●	●●●	●●	●●●	●●●
LCL-28	Nickel and compounds (as Ni)	1,191	327	1,512	1,043	1,115	●●	●●●	●●●	●●●	●●●
LCL-30	Selenium and compounds (as Se)	288	42		3,061	117	●●	●●		●●●	●●
LCL-32	Zinc and compounds (as Zn)	800	537	2,307	3,827	2,919	●●	●●●	●●●	●●●	●●●
Inorganic substances											
1332-21-4	Asbestos (friable)		67	102	70	38		●●	●●	●●	●●
LCL-42	Cyanide (inorganic) compounds (as CN)	65	33	196	3,283	201	●●	●●	●●	●●●	●●●
74-90-8	Hydrogen cyanide		6	71		89		●●	●●		●●
LCL-43	Fluorides (as total F)	1,026		462	3,675		●●		●●	●●●	
LCL-45	Phosphorus (total)	381		1,553			●●		●●●		
LCL-50	PM10 - Particulate matter	1,932	3,393	565			●●●	●●●	●●		
LCL-52	Chlorides (as total Cl)			578					●●		
LCL-53	Total nitrogen	384		1,530			●●		●●●		
Chlorinated and brominated organic substances											
107-06-2	1,2-Dichloroethane	121	31	68	3,105	62	●●	●●	●●	●●●	●●
79-00-5	1,1,2-Trichloroethane	109	2		3,036	23	●●	●●		●●●	●●
71-55-6	1,1,1-trichloroethane			28	3,030	31			●●	●●●	●●
79-34-5	1,1,2,2-Tetrachloroethane	0	0	5		17	○	○	●		●●
75-01-4	Vinyl chloride (Chloroethylene)	125	4	40	41	44	●●	●●	●●	●●	●●
79-01-6	Trichloroethylene	113	26	48	3,515	260	●●	●●	●●	●●●	●●●
127-18-4	Tetrachloroethylene	116	31	62	3,274	253	●●	●●	●●	●●●	●●●
75-09-2	Dichloromethane / methylene dichloride	134	39	189	4,335	302	●●	●●	●●	●●●	●●●
67-66-3	Trichloromethane / Chloroform	123	13	123	269	83	●●	●●	●●	●●	●●
56-23-5	Tetrachloromethane / Carbon tetrachloride		2	42	3,050	46		●●	●●	●●●	●●
12002-48-1	Trichlorobenzenes			35	10				●●	●●	
1163-19-5	Decabromodiphenyl ether		5		66	113		●●		●●	●●
LCL-55	Brominated diphenylethers (PBDE) (total mass of penta-BDE, octa-BDE and deca-BDE)			13					●●		
85535-84-8	Chloro-alkanes (C10-C13) / Polychlorinated alkanes (C10 to C13) / Alkanes, C10-13, chloro		1	15	3	21		●●	●●	●●	●●
87-86-5	Pentachlorophenol (PCP)			24	0	31			●●	○	●●
LCL-60	Halogenated organic compounds (as AOX)			373					●●		
87-68-3	Hexachlorobutadiene (HCBD)			11		8			●●		●●

Short Chemical List

Pollutant		# Facilities Reporting Pollutant					Reporting Score				
CAS Number	Pollutant Name	Australia NPI	Canada NPRI	EU E-PRTR	Japan PRTR	US TRI	Australia NPI	Canada NPRI	EU E-PRTR	Japan PRTR	US TRI
Ozone depleting substances											
LCL-62	Hydrochlorofluorocarbons (HCFCs)			621					●●		
LCL-63	Chlorofluorocarbons (CFCs)			288					●●		
LCL-65	Halons			11					●●		
Greenhouse gases (GHGs)											
124-38-9	Carbon dioxide			2,924					●●●		
74-82-8	Methane			1,634					●●●		
10024-97-2	Nitrous oxide			638					●●		
LCL-66	Hydrofluorocarbons (HFCs)			247					●●		
LCL-67	Perfluorocarbons (PFCs)			47					●●		
2551-62-4	Sulphur hexafluoride (SF6)			36					●●		
Other gases											
7664-41-7	Ammonia (NH3)			5,798		2,315	●●	●●●	●●●		●●●
LCL-69	Chlorine and inorganic compounds (as HCl)	355	157	449		791	●●	●●	●●		●●
75-21-8	Ethylene oxide	4	10	10	201	116	●	●●	●●	●●	●●
630-08-0	Carbon monoxide	2,038	2,808	560			●●●	●●●	●●		
LCL-70	Fluorine and inorganic compounds (as HF)			284					●●		
11104-93-1	Nitrogen oxides (NOx/NO2)	1,956	3,637	2,717			●●●	●●●	●●●		
2025-88-4	Sulphur oxides (SOx/SO2)	1,961	818	1,323			●●●	●●●	●●●		
Polycyclic aromatic hydrocarbons (PAHs)											
LCL-74	Polycyclic aromatic hydrocarbons (PAHs) as benzo(a)pyrene (50-32-8), benzo(b)-fluoranthene (205-99-2), benzo(k)fluoranthene (207-08-9), indeno(1,2,3-cd)pyrene (193-39-5)			196					●●		
120-12-7	Anthracene		27	62	25	72		●●	●●	●●	●●
91-20-3	Naphthalene		85	139	271	1,204		●●	●●	●●	●●●
Other organic substances											
75-05-8	Acetonitrile	110	12		288	124	●●	●●		●●	●●
107-02-8	Acrolein	10	12		9	106	●	●●		●●	●●
79-06-1	Acrylamid	8	4		108	75	●	●●		●●	●●
79-10-7	Acrylic acid and its water-soluble salts	11	8		227	184	●	●●		●●	●●●
80-62-6	Methyl methacrylate	15	22		315	296	●●	●●		●●	●●●
107-13-1	Acrylonitrile	116	7		153	99	●●	●●		●●	●●
75-07-0	Acetaldehyde	135	59		62	388	●●	●●		●●	●●●
62-53-3	Aniline	1	21		85	47	●	●●		●●	●●
92-52-4	Biphenyl (1,1-biphenyl)	19	23		36	106	●●	●●		●●	●●
98-82-8	Cumene (1-methylethylbenzene)	840	30		113	320	●●	●●		●●	●●●
110-54-3	n-Hexane	571	468		16,234	1,261	●●	●●●		●●●	●●●
71-43-2	Benzene	687	352	395	18,959	941	●●	●●●	●●	●●●	●●●
100-41-4	Ethylbenzene	721	251	91	17,660	1,318	●●	●●	●●	●●●	●●●
108-88-3	Toluene	923	702	113	21,091	2,274	●●	●●●	●●	●●●	●●●
1330-20-7	Xylene (mixed isomers)	1,064	687	106	22,297	2,112	●●	●●●	●●	●●●	●●●
106-99-0	1,3-Butadiene	158	59		52	194	●●	●●		●●	●●●
75-15-0	Carbon disulfide / Carbon disulphide	130	42		37	138	●●	●●		●●	●●
101-68-8	Methylenebis(phenylisocyanate) (MDI)	7	64		500	0	●	●●		●●	○
110-80-5	2-Ethoxyethanol / ethylene glycol monoethyl ether	1	6		199	24	●	●●		●●	●●
109-86-4	Methoxyethanol / ethylene glycol monomethyl ether	1	4		138	21	●	●●		●●	●●
50-00-0	Formaldehyde	377	518		705	654	●●	●●●		●●●	●●●
110-49-6	2-Methoxyethanol acetate / 2-methoxyethyl acetate	0	0		22		○	○		●●	
111-15-9	2-Ethoxyethanol acetate / 2-ethoxyethyl acetate	1	2		138		●	●●		●●	
101-14-4	4,4'-Methylene-bis(2-chloroaniline) (MOCA) / 3,3'-dichloro-4,4'-diaminodiphenylmethane	0	1		63	20	○	●●		●●	●●
LCL-91	Organotin compounds (as total Sn)	8		4	165		●		●	●●	
LCL-92	Tributyltin and compounds			6					●		
LCL-93	Triphenyltin and compounds			5					●		
LCL-94	Phenols (as total C)			411					●●		
108-95-2	Phenol	165	72		602	578	●●	●●		●●●	●●●
117-81-7	Di-(2-ethyl hexyl) phthalate (DEHP) / bis(2-ethylhexyl)phthalate	8	29	301	704	191	●	●●	●●	●●●	●●●
84-74-2	Dibutyl phthalate	5	15		236	102	●	●●		●●	●●
100-42-5	Styrene	179	178		731	1,272	●●	●●		●●●	●●●
LCL-95	Nonylphenol and Nonylphenol ethoxylates (NP/NPEs)		43	264	0			●●	●●	○	
LCL-100	Non-methane volatile organic compounds (NMVOC)			909					●●		
LCL-107	Total organic carbon (TOC) (as total C or COD/3)			1,925					●●●		
Active substances of plant protection products or biocidal products											
15972-60-8	Alachlor (2-chloro-2',6'-diethy-N-(methoxymethyl)acetanilide)			4	3	5			●	●●	●●
330-54-1	Diuron (3-(3,4-dichlorophenyl)-1,1-dimethylurea) / DCMU			86	40	19			●●	●●	●●
1912-24-9	Atrazine (2-chloro-4-ethylamino-6-isopropylamino-1,3,5-triazine)			6	1	22			●	●	●●
122-34-9	Simazine (2-chloro-4,6-bis(ethylamino)-1,3,5-triazine)			8	3,031	6			●	●●●	●●
1582-09-8	Trifluralin (α,α,α-trifluoro-2,6-dinitro-N,N-dipropyl-p-toluidine)			1	3	30			●	●●	●●
470-90-8	Chlorfenvinphos			1					●		
2921-88-2	Chlorpyrifos			0	2				○	●	
115-29-7	Endosulphan / 6,7,8,9,10,10-hexachloro-1,5,5a,6,9,9a-hexahydro-6,9-methano-2,4,3-benzodioxathiepine 3-oxide			2	0				●	○	
608-73-1	1,2,3,4,5, 6-hexachlorocyclohexane (HCH)			5					●		
34123-59-6	Isoproturon			42					●●		

ANNEX 4. ACTIVITIES THAT REQUIRE REPORTING OF PART 3 CHEMICALS UNDER THE CANADIAN NPRI

Activities that Require Reporting of Part 3 Chemicals under the Canadian NPRI

Employee Threshold?	Activity
Employee Threshold Does Not Apply	• Non-hazardous solid waste incineration of ≥ 26 tons of waste, including conical burners and beehive burners • Biomedical or hospital waste incineration of ≥ 26 tons of waste • Hazardous waste incineration • Sewage sludge incineration • Wood preservation using pentachlorophenol
Employee Threshold Applies	• Base metals smelting (copper, lead, nickel or zinc only) • Smelting of secondary aluminum • Smelting of secondary lead • Manufacturing of iron using a sintering process • Operation of electric arc furnaces in steel foundries • Operation of electric arc furnaces in steel manufacturing • Production of magnesium • Manufacturing of Portland cement • Production of chlorinated organic solvents or chlorinated monomers • Combustion of fossil fuel in a boiler unit, with a nameplate capacity of ≥ 25 megawatts of electricity, for the purpose of producing steam for the production of electricity • Combustion of hog fuel originating from logs that were transported or stored in salt water in the pulp and paper sector • Combustion of fuel in kraft liquor boilers used in the pulp and paper sector • Titanium dioxide pigment production using the chloride process