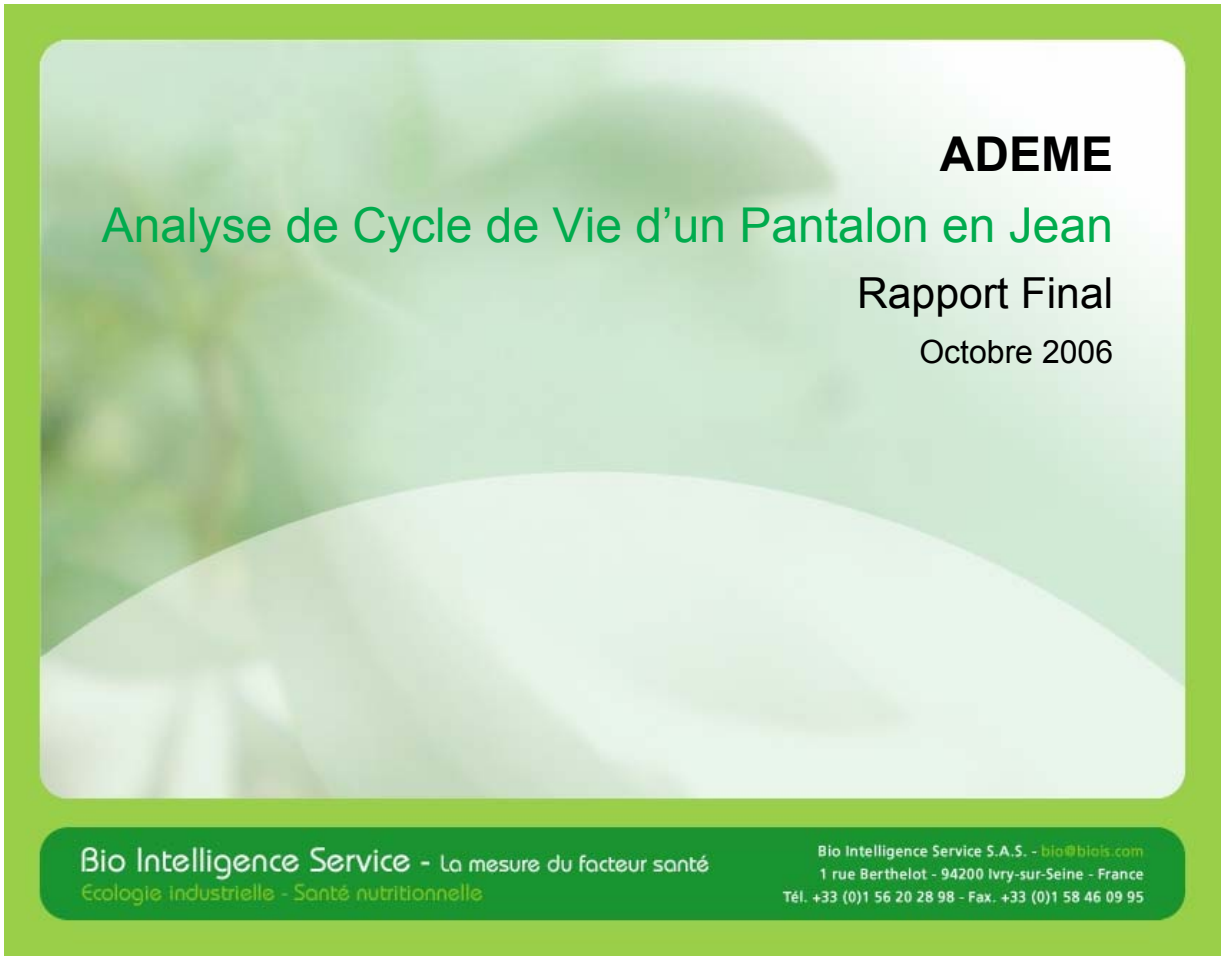

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Sommaire

SYNTHESE

Contexte et Objectifs

Dans le cadre des actions de sensibilisation des consommateurs sur les choix possibles lors de leurs actes d'achats en vue de les orienter vers des produits de meilleure qualité écologique, l'ADEME a confié à BIO Intelligence Service la réalisation d'une analyse du cycle de vie d'un pantalon en jean, conformément à la série des normes ISO 14040.

L'objectif de l'étude est de réaliser une étude de cas pédagogique illustrant les conséquences de nos choix de consommation. Le pantalon en jean a été choisi comme support car il concerne un public très large et notamment un public jeune. Une autre raison de ce choix est la disponibilité de données permettant de réaliser une ACV de ce produit, grâce à la collaboration de la société Ober (groupe Lafuma), qui a eu l'amabilité de fournir des informations à la fois d'ordre technique sur la production du pantalon en jean, et d'ordre marketing sur les modes d'utilisation des consommateurs.

Le but final de l'étude est d'obtenir un ordre de grandeur des impacts potentiels sur l'environnement d'un pantalon en jean et d'identifier les pistes d'améliorations selon leurs matières premières (coton traditionnel ou coton biologique), les modes de production (délavage, traitements des eaux…) et le mode d'utilisation (type de lavage, durée de vie…).

La revue critique de cette ACV a été réalisée par Mme Florence Huc, Ingénieur Environnement au sein de l'Institut Français du Textile et de l'Habillement (ITFH), et M. Julien Guillou, représentant l'Union Nationale des Associations Familiales (UNAF).

Cette étude ACV a abouti à l'élaboration d'un éco-profil, déclaration environnementale de type III, conformément aux exigences de la norme ISO 14025. Cet écoprofil est disponible en version PDF et sous la forme d'un outil de simulation ludique, tous deux téléchargeables sur le site de l'ADEME www.ademe.fr.

Unité fonctionnelle

L'unité fonctionnelle (UF) retenue pour cette étude est la suivante :

« Porter un pantalon en jean pendant un jour ».

Cette unité de valeur référence permet de ramener les impacts potentiels générés tout au long du cycle de vie du pantalon en jean à un jour porté, en tenant ainsi compte de sa durée de vie.

Produit étudié

Le pantalon en jean considéré dans le scénario de référence est un pantalon en jean « standard », défini avec les experts marketing de la société Ober. Il est en toile denim bleue, ayant subi un délavage moyen (stonewash + délavage au chlore, cf 3.6.).

Il pèse 666 grammes, décomposés en les éléments suivants : 600g de toile denim + 37.5g de doublure + 10.4g de bifil + 3.6g de rivets (pour 6 rivets) + 14g de boutons (pour 4 boutons).

Ce pantalon en jean est produit en Tunisie par une société prestataire d'Ober (l'usine reçoit le coton brut, le file, l'ennoblit, produit la toile puis le pantalon en jean, et applique ensuite des traitements au pantalon en jean), puis est vendu en France.

On a considéré un mode d'utilisation « moyen », défini avec les experts marketing de la société Ober :

- Durée de vie du pantalon en jean : 4 ans,

- Fréquence d'utilisation : 1 jour par semaine,

- Fréquence de lavage : toutes les 3 utilisations,

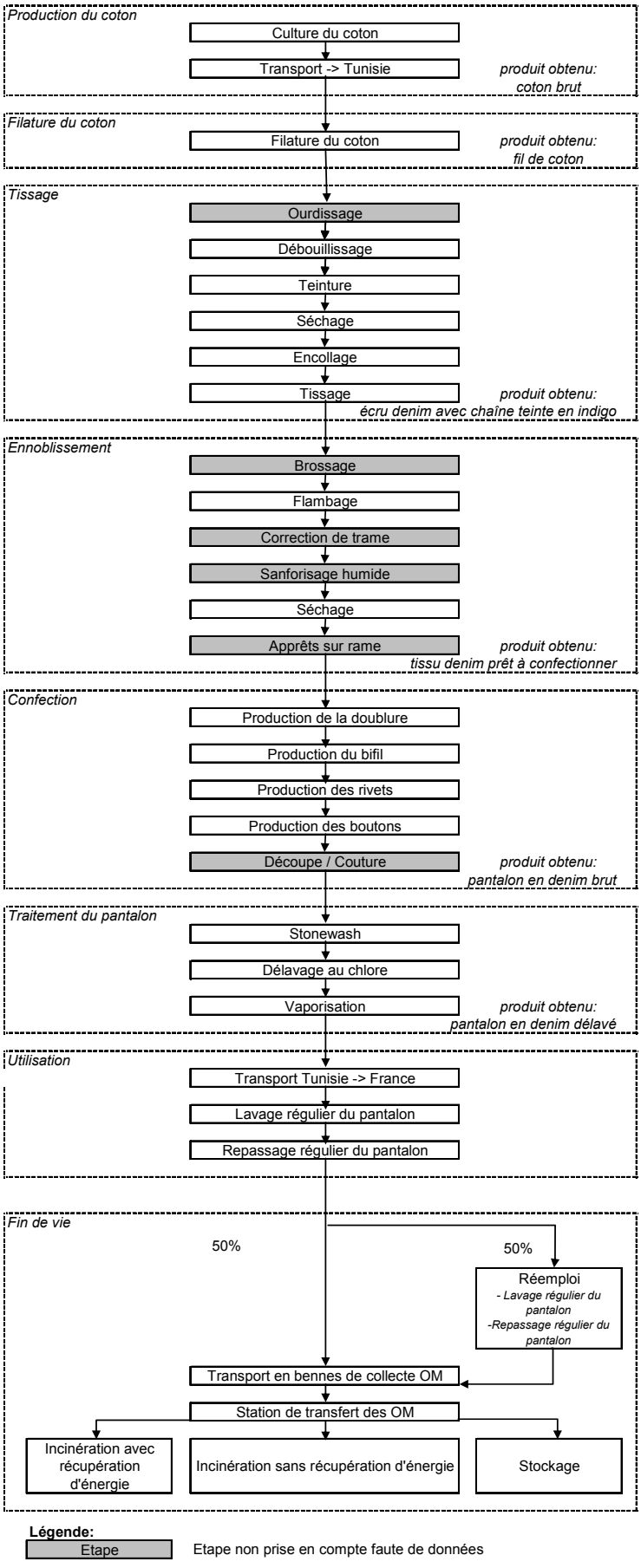
- Mode de lavage : en machine à 40°C,

- Repassage,

- Fin de vie : 50% avec les ordures ménagères, 50% en filière de réemploi.

Système étudié

Le schéma ci-contre présente le système étudié dans cette étude.



Résultats

Le tableau ci-dessous présente les résultats pour l'ensemble du cycle de vie, en valeurs absolues, et en équivalents habitants. Les valeurs de normation utilisées sont présentées en Annexe 1.

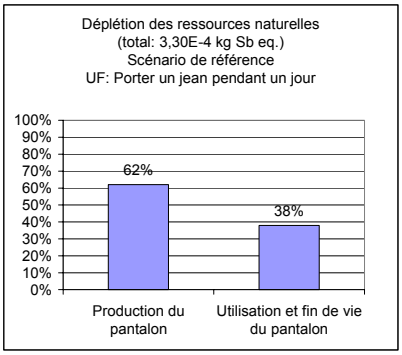
Indicateurs	Unités	**Résultats en valeurs absolues**	**Résultats en 100 000ème eq. Hab**
Déplétion des ressources naturelles	kg Sb eq	3,30E-04	8,26
Consommation d'eau	m3	1,75E-02	31,34
Consommation d'énergie primaire	MJ primary	1,49E+00	8,32
Réchauffement climatique (GWP100)	kg CO2 eq	4,41E-02	3,40
Acidification de l'air	kg SO2 eq	1,96E-04	2,66
Oxydation photochimique	kg C2H4 eq	1,37E-04	6,18
Déplétion de la couche d'ozone	kg CFC-11 eq	4,20E-09	0,02
Eutrophisation	kg PO4--- eq	4,32E-05	1,29
Toxicité humaine	kg 1,4-DB eq	3,12E-02	1,53
Ecotoxicité aquatique (eaux douces)	kg 1,4-DB eq	5,07E-02	37,36
Ecotoxicité sédimentaire (eaux douces)	kg 1,4-DB eq	1,92E-02	13,76
Ecotoxicité terrestre	kg 1,4-DB eq	7,49E-04	5,89
Déchets solides	kg	6,06E-03	16,59

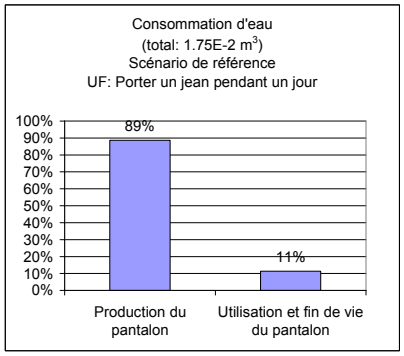
Les graphes de la page suivante présentent ces résultats regroupés en deux « grandes » étapes :

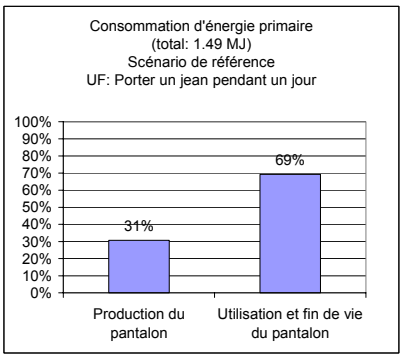
- **la production du pantalon en jean**, de la culture du coton jusqu'aux traitements du pantalon en jean. **Le bilan environnemental de cette étape résulte des choix de production du pantalon en jean,** et donc, dans une certaine mesure, **des choix d'achat du consommateur**: achat d'un pantalon en jean en coton bio ou non, pantalon en jean plus ou moins délavé…

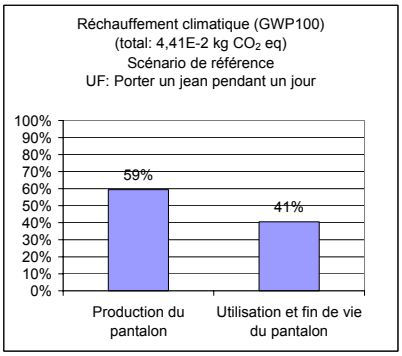
- **l'utilisation et la fin de vie du pantalon en jean**, depuis le transport du produit fini jusqu'en France, son utilisation et sa fin de vie. **Le bilan environnemental de cette étape résulte des choix d'utilisation du pantalon en jean par le consommateur** : durée de vie du pantalon en jean, mode et fréquence de lavage, etc.

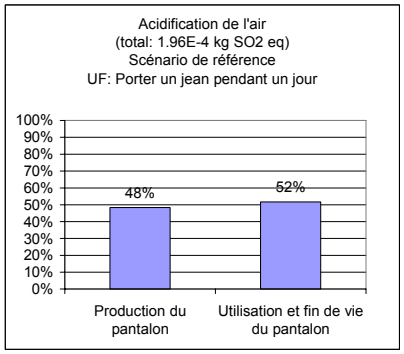
- Pour 5 indicateurs sur 13 (réchauffement climatique, acidification de l'air, pollution photochimique, eutrophisation et écotoxicité sédimentaire), les impacts potentiels sur l'environnement se répartissent de façon équilibrée (environ 50/50) entre l'étape de production et l'étape d'utilisation et fin de vie.
- Pour 4 indicateurs, les impacts potentiels sur l'environnement se produisent majoritairement à l'étape de production du pantalon en jean: la déplétion des ressources non renouvelables (consommation d'électricité), la consommation d'eau (irrigation des champs de coton), la déplétion de la couche d'ozone (consommation de carburant des machines agricoles et véhicules de transport du coton), et l'écotoxicité aquatique (utilisation d'herbicides et d'insecticides pour la culture du coton).
- Pour 4 indicateurs, les impacts potentiels sur l'environnement se produisent majoritairement à l'étape d'utilisation du pantalon en jean: consommation d'énergie primaire (consommation d'électricité pour le lavage du pantalon en jean), toxicité humaine (consommation de lessive et d'électricité pour le lavage du pantalon en jean), écotoxicité terrestre (consommation d'électricité pour le lavage du pantalon en jean) et déchets solides (déchets liés à la lessive et son emballage et pantalon en jean usagé).

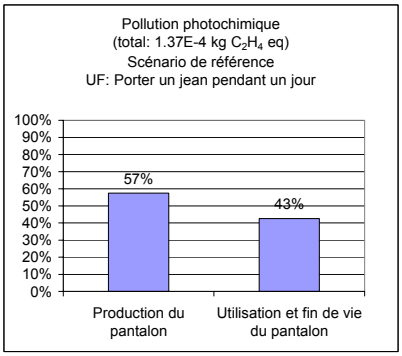

Déplétion des ressources naturelles
(total: 3,30E-4 kg Sb eq.)
Scénario de référence
UF: Porter un jean pendant un jour
100%
90%
80%
70%
60%
50%
40%
30%
20%
10%
0%
62%
38%
Production du pantalon
Utilisation et fin de vie du pantalon

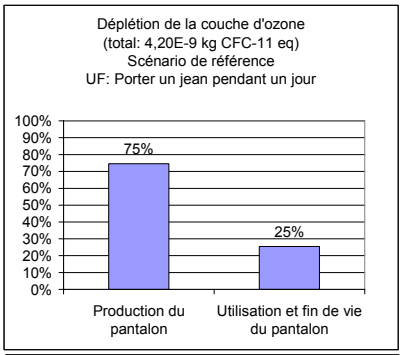

Consommation d'eau
(total: 1.75E-2 m3)
Scénario de référence
UF: Porter un jean pendant un jour
100%
90%
80%
70%
60%
50%
40%
30%
20%
10%
0%
89%
11%
Production du pantalon
Utilisation et fin de vie du pantalon

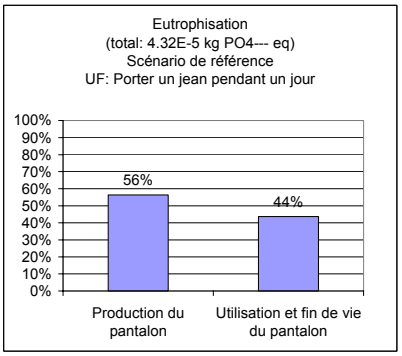

Consommation d'énergie primaire
(total: 1.49 MJ)
Scénario de référence
UF: Porter un jean pendant un jour
100%
90%
80%
70%
60%
50%
40%
30%
20%
10%
0%
31%
69%
Production du pantalon
Utilisation et fin de vie du pantalon

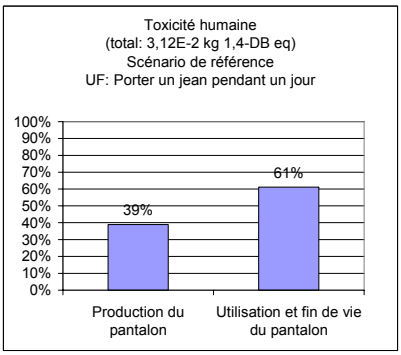

Réchauffement climatique (GWP100)
(total: 4,41E-2 kg CO2 eq)
Scénario de référence
UF: Porter un jean pendant un jour
100%
90%
80%
70%
60%
50%
40%
30%
20%
10%
0%
59%
41%
Production du pantalon
Utilisation et fin de vie du pantalon

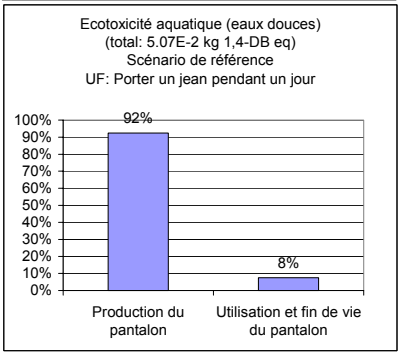

Acidification de l'air
(total: 1.96E-4 kg SO2 eq)
Scénario de référence
UF: Porter un jean pendant un jour
100%
90%
80%
70%
60%
50%
40%
30%
20%
10%
0%
48%
52%
Production du pantalon
Utilisation et fin de vie du pantalon

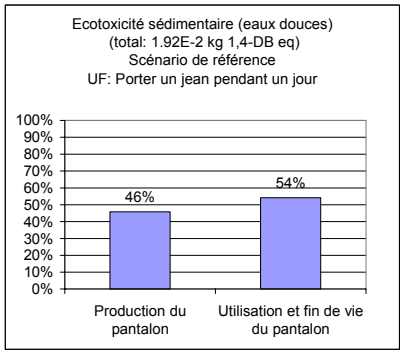

Pollution photochimique
(total: 1.37E-4 kg C2H4 eq)
Scénario de référence
UF: Porter un jean pendant un jour
100%
90%
80%
70%
60%
50%
40%
30%
20%
10%
0%
57%
43%
Production du pantalon
Utilisation et fin de vie du pantalon

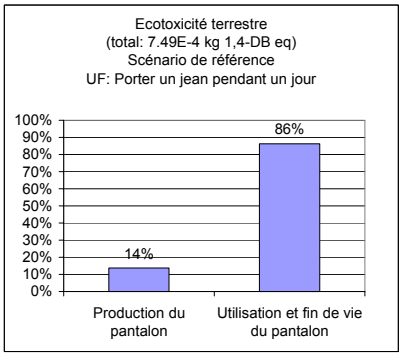

Déplétion de la couche d'ozone
(total: 4,20E-9 kg CFC-11 eq)
Scénario de référence
UF: Porter un jean pendant un jour
100%
90%
80%
70%
60%
50%
40%
30%
20%
10%
0%
75%
25%
Production du pantalon
Utilisation et fin de vie du pantalon

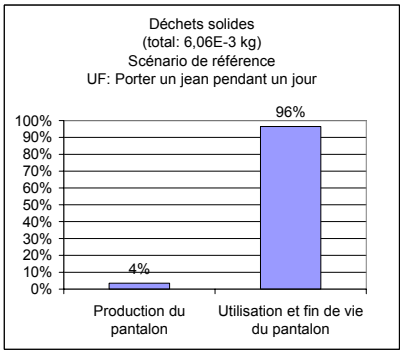

Eutrophisation
(total: 4.32E-5 kg PO4--- eq)
Scénario de référence
UF: Porter un jean pendant un jour
100%
90%
80%
70%
60%
50%
40%
30%
20%
10%
0%
56%
44%
Production du pantalon
Utilisation et fin de vie du pantalon


Toxicité humaine
(total: 3,12E-2 kg 1,4-DB eq)
Scénario de référence
UF: Porter un jean pendant un jour
100%
90%
80%
70%
60%
50%
40%
30%
20%
10%
0%
39%
61%
Production du pantalon
Utilisation et fin de vie du pantalon


Ecotoxicité aquatique (eaux douces)
(total: 5.07E-2 kg 1,4-DB eq)
Scénario de référence
UF: Porter un jean pendant un jour
100%
90%
80%
70%
60%
50%
40%
30%
20%
10%
0%
92%
8%
Production du pantalon
Utilisation et fin de vie du pantalon


Ecotoxicité sédimentaire (eaux douces)
(total: 1.92E-2 kg 1,4-DB eq)
Scénario de référence
UF: Porter un jean pendant un jour
100%
90%
80%
70%
60%
50%
40%
30%
20%
10%
0%
46%
54%
Production du pantalon
Utilisation et fin de vie du pantalon


Ecotoxicité terrestre
(total: 7.49E-4 kg 1,4-DB eq)
Scénario de référence
UF: Porter un jean pendant un jour
100%
90%
80%
70%
60%
50%
40%
30%
20%
10%
0%
14%
86%
Production du pantalon
Utilisation et fin de vie du pantalon


Déchets solides
(total: 6,06E-3 kg)
Scénario de référence
UF: Porter un jean pendant un jour
100%
90%
80%
70%
60%
50%
40%
30%
20%
10%
0%
4%
96%
Production du pantalon
Utilisation et fin de vie du pantalon

Analyses de sensibilité

Les différentes analyses de sensibilité effectuées sont présentées dans le tableau ci-dessous :

Paramètres relatifs à la production du pantalon en jean	
Mode de culture du coton	bio
Utilisation de rivets	1 - non
Si oui, type de rivets utilisés	2 - 100% inox ou 100% cuivre
Type de boutons utilisés	100% inox, 100% cuivre ou 100% laiton
Type de traitements appliqués au pantalon en jean :	1 - Aucun traitement 2 - Tous les traitements : stonewash, délavage au chlore, délavage au peroxyde d'hydrogène, moustaches.
Traitements des eaux après ennoblissement et production de la toile	non

Paramètres relatifs à l'utilisation du pantalon en jean	
Durée de vie	Cf fin de vie en réemploi
Fréquence d'utilisation	1 – 2 fois par semaine 2 – 3 fois par semaine
Fréquence de lavage	1 – toutes les 5 utilisations 2 – toutes les 10 utilisations
Type de lavage	1 - lavage au pressing 2 – lavage en machine avec les paramètres suivants : lavage à froid 40°C en classe A 60°C en classe D
Utilisation d'un sèche-linge et/ou repassage	1 – Ni sèche-linge ni repassage 2 - Sèche-linge et repassage
Fin de vie	100% Filière réemploi 100% Filière OM

Le tableau ci-dessous récapitule l'influence (arrondie à 5%) des paramètres étudiés dans les analyses de sensibilité sur les résultats (sauf pour les rivets / boutons et les traitements apportés au pantalon en jean, ayant été démontré que ces paramètres n'influencent pas les résultats de façon significative.

	Coton bio	Pas de STEP après ennoblisse-ment et encollage	Fréquence d'utilisation du pantalon double	Fréquence de lavage du pantalon divisée par 3	Pressing	Lave-linge de classe A à froid	Lave-linge de classe D à 60°C	Pas de repassage	Sèche-linge	100% réemploi	100% avec les OM
Déplétion des ressources naturelles	-5 %	0 %	-30 %	-25 %	90 %	-5 %	5 %	-5 %	35 %	-15 %	30 %
Consomma-tion d'eau	0 %	0 %	-45 %	-10 %	15 %	0 %	0 %	0 %	0 %	-20 %	45 %
Consomma-tion d'énergie primaire	0 %	0 %	-15 %	-45 %	395 %	-25 %	20 %	-25 %	140 %	-10 %	15 %
Réchauffe-ment climatique (GWP100)	-5 %	0 %	-30 %	-25 %	120 %	-5 %	5 %	-5 %	40 %	-15 %	30 %
Acidification de l'air	-5 %	0 %	-25 %	-35 %	180 %	-10 %	10 %	-10 %	60 %	-15 %	25 %
Oxydation photochimique	-5 %	0 %	-30 %	-25 %	115 %	-5 %	5 %	-5 %	40 %	-15 %	30 %
Déplétion de la couche d'ozone	-5 %	0 %	-35 %	-15 %	12 025 %	-5 %	5 %	-5 %	15 %	-20 %	35 %
Eutrophisation	-10 %	165 %	-30 %	-25 %	35 %	-5 %	5 %	-5 %	20 %	-15 %	30 %
Toxicité humaine	-5 %	0 %	-20 %	-40 %	195 %	-15 %	10 %	-15 %	75 %	-10 %	20 %
Ecotoxicité aquatique (eaux douces)	-90 %	5 %	-45 %	-5 %	5 %	0 %	0 %	0 %	5 %	-25 %	45 %
Ecotoxicité sédimentaire (eaux douces)	-30 %	20 %	-25 %	-35 %	45 %	-5 %	5 %	-5 %	30 %	-10 %	25 %
Ecotoxicité terrestre	-5 %	0 %	-10 %	-55 %	550 %	-30 %	30 %	-35 %	190 %	-5 %	10 %
Déchets solides	0 %	0 %	-20 %	-40 %	0 %	0 %	0 %	0 %	0 %	-10 %	20 %

de +10% à +49%	de +50% à +99%	>100%
de -10% à -49%	de -50% à -99%	>-100%

1. Introduction générale

1.1. CONTEXTE ET OBJECTIFS DU PROJET

Dans le cadre des actions de sensibilisation des consommateurs sur les choix possibles lors de leurs actes d'achats en vue de les orienter vers des produits de meilleure qualité écologique, l'ADEME a confié à BIO Intelligence Service la réalisation d'une analyse du cycle de vie d'un pantalon en jean, conformément à la série des normes ISO 14040.

L'objectif de l'étude est de réaliser une étude de cas pédagogique illustrant les conséquences de nos choix de consommation. Le pantalon en jean a été choisi comme support car il concerne un public très large et notamment un public jeune. Une autre raison de ce choix est la disponibilité de données permettant de réaliser une ACV de ce produit, grâce à la collaboration de la société Ober (groupe Lafuma). Ainsi, Mmes B. Gonzadi et E. César, responsables Style chez Ober, en collaboration avec M. P. Pribile, responsable Développement Durable chez Lafuma, ont eu l'amabilité de fournir des informations à la fois d'ordre technique sur la production du pantalon en jean (métaux utilisés pour les boutons par exemple), et d'ordre marketing sur les modes d'utilisation des consommateurs (par exemple, nettoyage au pressing pour les jeans onéreux). Ces informations ont été complétées par des informations techniques (consommation de produits chimiques, d'électricité), fournies par une société de confection de pantalons en jean localisée en Tunisie, fournisseur d'Ober.

La revue critique de cette ACV a été réalisée par Mme Florence Huc, Ingénieur Environnement au sein de l'Institut Français du Textile et de l'Habillement (ITFH), et M. Julien Guillou, représentant l'Union Nationale des Associations Familiales (UNAF).

Cette étude ACV a abouti à l'élaboration d'un éco-profil, déclaration environnementale de type III, conformément aux exigences de la norme ISO 14025. Compte tenu de la finalité résolument communicante de l'étude, l'éco-profil a été conçu sous forme pédagogique et attrayante pour tout public. Il se présente sous la forme d'un document papier et d'un jeu en ligne permettant de calculer les impacts potentiels sur l'environnement d'un pantalon en jean suivant les choix de consommation et d'utilisation de l'internaute.

Cet écoprofil est téléchargeable sur le site de l'ADEME à l'adresse www.ademe.fr.

1.2. OBJECTIFS DU PRESENT RAPPORT

Ce rapport présente les résultats de l'analyse de cycle de vie d'un pantalon en jean « moyen », défini selon un scénario de référence (coton provenant de l'agriculture intensive, délavage moyen, lavage en machine…). Puis des analyses de sensibilité des résultats sont présentées pour chacun des paramètres identifiés comme sensibles lors de l'étude (et pour lesquels des données permettant de modéliser les alternatives sont disponibles).

1.3. REPRESENTATIVITE DE L'ETUDE

L'objectif de cette étude est pédagogique, il s'agit de donner des ordres de grandeur des impacts potentiels sur l'environnement des différentes étapes du cycle de vie d'un

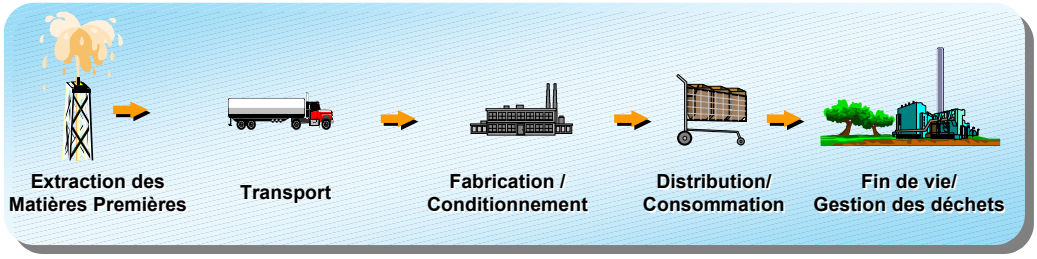
pantalon en jean. Ainsi, l'ensemble des données et des hypothèses utilisées permettent de modéliser le cycle de vie « moyen » d'un pantalon en jean porté en France.

Seules les données sur la production du jean proviennent d'un fournisseur de la société OBER. Même si ses données sont spécifiques à un site de production, elles permettent d'évaluer les ordres de grandeur des impacts environnementaux propres à cette étape : le site de production dont proviennent les données est un site « classique » de fabrication pour ce type de pantalon. Nous pouvons donc raisonnablement supposer que ces données permettent d'évaluer l'ampleur des impacts de la production d'un pantalon en jean par rapport aux autres étapes du cycle de vie (lavage, repassage, fin de vie…).

2. Méthodologie

2.1. PRESENTATION GENERALE DE L'ANALYSE DE CYCLE DE VIE

L'analyse de cycle de vie (ACV) est une méthode normalisée au niveau international (ISO 14044) qui permet d'évaluer les effets quantifiables sur l'environnement d'un service ou d'un produit depuis l'extraction des matériaux nécessaires à son élaboration jusqu'aux filières de fin de vie.



La méthode consiste à réaliser des bilans exhaustifs de consommation de ressources naturelles et d'énergie et d'émissions dans l'environnement (rejets air, eau, sols, déchets) de l'ensemble des processus étudiés.

Une première étape consiste à dresser l'inventaire des entrées-sorties propres à chaque étape du système. Les flux de matières et d'énergie prélevées et rejetées dans l'environnement à chacune des étapes sont ensuite agrégés pour quantifier des indicateurs d'impacts sur l'environnement.

L'avantage de l'approche ACV est qu'elle permet de comparer des situations et d'identifier les déplacements de pollution d'un milieu naturel vers un autre ou bien d'une étape du cycle de vie vers une autre entre deux situations comparées d'un système. Elle peut donc aider à mieux discerner les arbitrages pertinents lors d'une prise de décision.

L'ACV constitue une approche multicritères : il n'existe pas de note unique environnementale. Les résultats de l'étude sont présentés sous la forme de plusieurs indicateurs d'impacts environnementaux.

Les limites de la méthode ACV

Un document présentant plus avant cette méthodologie et ses limites est présenté en Annexe 2.

Application au pantalon en jean

L'analyse de cycle de vie appliquée au pantalon en jean consiste à quantifier les impacts sur l'environnement de l'ensemble des activités qui lui sont liées : culture du coton, filature, ennoblissement, production de la toile denim, production du pantalon en jean, traitements du pantalon en jean, transport, utilisation, fin de vie… Cette étude propose une analyse de ces impacts pour un pantalon en jean « moyen », suivie

d'analyses de sensibilité des résultats suivants divers paramètres (coton bio ou non, délavages du pantalon en jean, fréquence de lavage par l'utilisateur, etc.)

2.2. UNITE FONCTIONNELLE ET PRODUIT ETUDIE

2.2.1. UNITE FONCTIONNELLE

Pour faciliter la comparaison entre différents modèles de pantalons en jean et différents modes d'utilisation, on introduit une référence commune servant à exprimer le bilan matières et énergies du cycle de vie du système. C'est l'unité fonctionnelle du bilan environnemental.

L'unité fonctionnelle (UF) retenue pour cette étude est la suivante :

« Porter un pantalon en jean pendant un jour ».

Cette unité de valeur référence permet de ramener les impacts potentiels générés tout au long du cycle de vie du pantalon en jean à un jour porté, en tenant ainsi compte de sa durée de vie.

2.2.2. PRODUIT ETUDIE

- Description du produit

Le pantalon en jean considéré dans le scénario de référence est un pantalon en jean « standard », défini avec les experts marketing de la société Ober. Il est en toile denim bleue, ayant subi un délavage moyen (stonewash + délavage au chlore, cf 3.6.).

Il pèse 665.5 grammes, décomposés en les éléments suivants : 600g de toile denim + 37.5g de doublure + 10.4g de bifil + 3.6g de rivets (pour 6 rivets) + 14g de boutons (pour 4 boutons).

Ce pantalon en jean est produit en Tunisie par une société prestataire d'Ober (l'usine reçoit le coton brut, le tisse, l'ennoblit, confectionne le pantalon en jean, puis y applique des traitements), puis est vendu en France.

On a considéré un mode d'utilisation « moyen », défini avec les experts marketing de la société Ober :

- Durée de vie du pantalon en jean : 4 ans,
- Fréquence d'utilisation : 1 jour par semaine,
- Fréquence de lavage : toutes les 3 utilisations,
- Mode de lavage : en machine à 40°C,
- Repassage,
- Fin de vie : 50% avec les ordures ménagères, 50% en filière de réemploi.

- Masse de produit se ramenant à l'unité fonctionnelle

Pour calculer la masse de produit se ramenant à l'unité fonctionnelle « Porter un pantalon en jean pendant un jour », la masse du pantalon en jean a été divisée par le nombre de jours portés durant sa durée de vie.

Soit pour le produit étudié dans le scénario de référence :

665.5g / (1*52*6[1]) = 2.1g

Cette valeur est représentative de la masse de produit considérée pour les étapes de production et de fin de vie. Pour l'étape d'utilisation, les quantités de consommables (lessive, eau, électricité, etc.) ont été ramenés à l'unité fonctionnelle en les multipliant par le nombre total de lavages sur la durée de vie, divisé par le nombre total de jours portés.

2.3. FRONTIERES DU SYSTEME ETUDIE

2.3.1. DESCRIPTION DU SYSTEME

Le système étudié se décompose suivant les étapes suivantes, validées par l'IFTH :

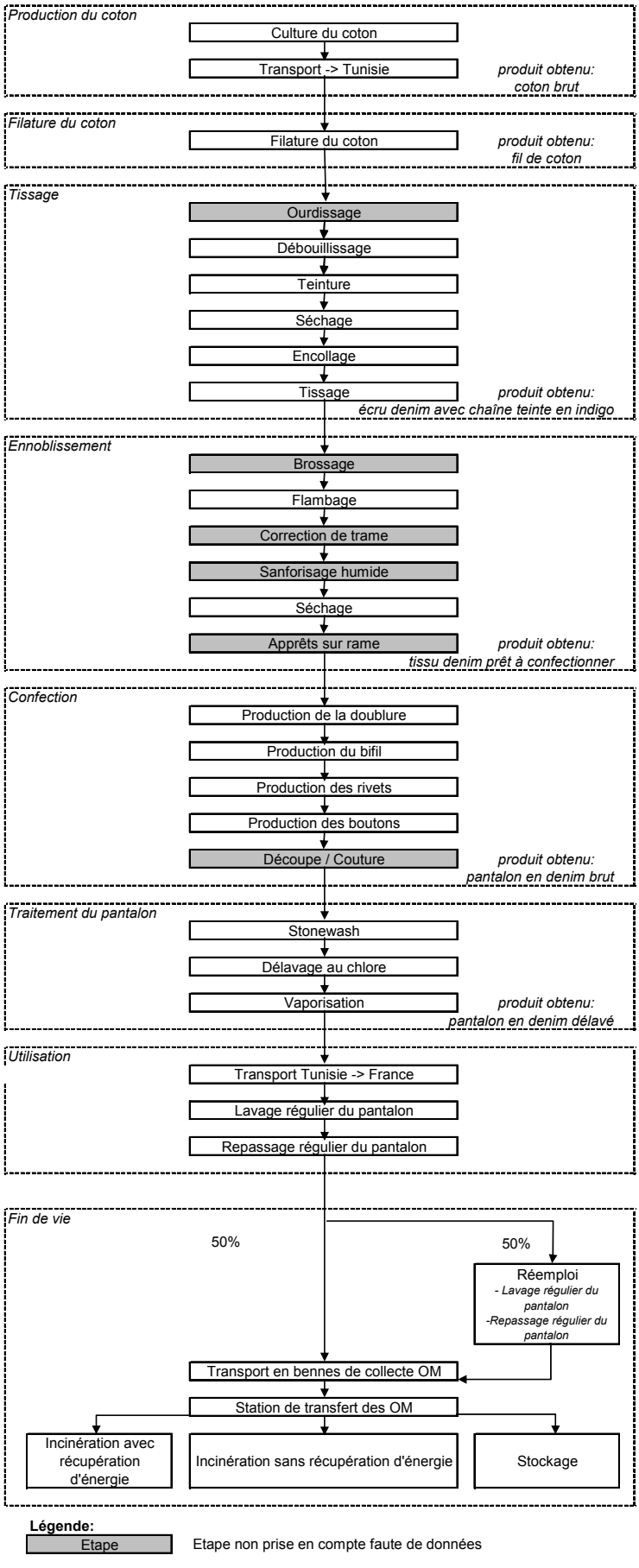
- Production du coton,
- Filature du coton,
- Tissage,
- Ennoblissement,
- Confection du pantalon en jean,
- Traitement du pantalon en jean,
- Utilisation,
- Fin de vie.

L'étape de distribution du pantalon jean a été négligée, car nous pouvons admettre que les impacts qui y sont liés peuvent être négligés.

Les étapes sont récapitulées dans le schéma ci-après.

Remarque : la production de toile denim est un processus très spécifique, où l'enchaînement des étapes diffère notablement du processus « classique » de production d'un article en coton. Le schéma présenté ci-après a été validé par l'IFTH.

[1] 4 ans pour la première utilisation, puis 50% de 4 ans pour la seconde utilisation, soit 6 ans en tout.


Production du coton
Culture du coton
Transport -> Tunisie
produit obtenu: coton brut
Filature du coton
Filature du coton
produit obtenu: fil de coton
Tissage
Ourdissage
Débouillissage
Teinture
Séchage
Encollage
Tissage
produit obtenu: écru denim avec chaîne teinte en indigo
Ennoblissement
Brossage
Flambage
Correction de trame
Sanforisage humide
Séchage
Apprêts sur rame
produit obtenu: tissu denim prêt à confectionner
Confection
Production de la doublure
Production du bifil
Production des rivets
Production des boutons
Découpe / Couture
produit obtenu: pantalon en denim brut
Traitement du pantalon
Stonewash
Délavage au chlore
Vaporisation
produit obtenu: pantalon en denim délavé
Utilisation
Transport Tunisie -> France
Lavage régulier du pantalon
Repassage régulier du pantalon
Fin de vie
50%
50%
Réemploi
- Lavage régulier du pantalon
-Repassage régulier du pantalon
Transport en bennes de collecte OM
Station de transfert des OM
Incinération avec récupération d'énergie
Incinération sans récupération d'énergie
Stockage
Légende:
Etape
Etape non prise en compte faute de données

2.3.2. PARAMETRES DETERMINANTS A CONSIDERER POUR DECRIRE LE SYSTEME

Le tableau ci-dessous présente les paramètres identifiés comme variables pour les étapes de production et d'utilisation du pantalon en jean. Les alternatives possibles ont été définies avec la société Ober.

Paramètres relatifs à la production du pantalon en jean	
Mode de culture du coton	intensive ou bio
Utilisation de rivets	oui/non
Si oui, type de rivets utilisés	inox ou cuivre
Type de boutons utilisés	inox, cuivre ou laiton
Nombre de traitements apportés au pantalon en jean:	
- Stonewash	oui/non
- Délavage au chlore	oui/non
- Délavage au peroxyde d'hydrogène	oui/non
- Moustaches	oui/non
Traitement des eaux en sortie d'unités d'ennoblissement et de traitement du pantalon en jean	oui/non
Paramètres relatifs à l'utilisation du pantalon en jean	
Durée de vie	
Fréquence d'utilisation	
Fréquence de lavage	
Type de lavage	lavage en machine ou pressing
si lavage en machine :	
- température de lavage	
- classe énergétique du lave-linge	
Utilisation d'un sèche-linge	oui/non
Repassage	oui/non
Fin de vie :	
- filière OM	
- filière réemploi	

Figure 1 : Liste des paramètres étudiés dans les analyses de sensibilité

Des analyses de sensibilité sur ces paramètres sont présentées au chapitre 4.3. Elles permettent de mesurer l'influence de ces paramètres sur les résultats pour chaque indicateur, ce qui facilitera l'analyse des propositions de scénarios pour les 3 types de pantalons en jean différents qui seront finalement retenus pour la suite du projet (réalisation de l'éco-profil).

- Scénario de référence

Les paramètres choisis pour le scénario de référence de cette étude sont décrits dans le tableau ci-après :

SCENARIO DE REFERENCE	
Paramètres relatifs à la production du pantalon en jean	
Mode de culture du coton	intensive
Type de rivets utilisés	50% inox, 50% cuivre
Type de boutons utilisés	33% inox, 33% cuivre et 33% laiton
Type de traitements appliqués au pantalon en jean:	
- Stonewash	oui
- Délavage au chlore	oui
- Délavage au peroxyde d'hydrogène	non
- Moustaches	non
Traitement des eaux en sortie d'unités d'ennoblissement et de traitement du pantalon en jean	oui
Paramètres relatifs à l'utilisation du pantalon en jean	
Durée de vie	4 ans
Fréquence d'utilisation	1 jour porté par semaine
Fréquence de lavage	1.33 par mois[2]
Type de lavage	lavage en machine
si lavage en machine :	
- température de lavage	40°C
- classe énergétique du lave-linge	C (cf plus bas)
Utilisation d'un sèche-linge	non
Repassage	oui
Fin de vie :	
- filière OM	50%
- filière réemploi	50%[3]

Le lave-linge considéré dans la présente étude est de catégorie C, selon son étiquette énergie. Cela est représentatif du parc actuel des lave-linge en France, même si le flux des ventes montre plutôt une tendance à l'achat d'appareils de classe A à B[4].

[2] soit une fois toutes les 3 utilisations

[3] On considère que le pantalon mis en filière de réemploi aura une durée de vie de 4 ans, et sera utilisé (fréquence, lavage…) de la même façon par le second utilisateur.

[4] source: Ademe 2006

2.4. DELIMITATION DES FRONTIERES DU SYSTEME

Le système considéré exclut la production, la maintenance et le démantèlement des infrastructures et biens d'équipements (bâtiments, machines, routes) : cette hypothèse, faite également dans nombre d'analyses de cycle de vie réalisées par le passé, est basée sur le fait que l'impact environnemental de la production des infrastructures et biens d'équipements est négligeable devant les autres impacts.

L'étape de distribution du pantalon en jean a été négligée, car nous pouvons admettre que les impacts qui y sont liés peuvent être négligés.

2.5. FLUX ET IMPACTS ENVIRONNEMENTAUX ETUDIES

2.5.1. INVENTAIRE DES FLUX

Le bilan environnemental d'un système donné, dans une perspective de cycle de vie, repose sur le recensement et la quantification de tous les flux entrants et sortants du système considéré. Ces flux servent à quantifier :

- la consommation de matières premières (eau, minerais…),
- la consommation d'énergie,
- les émissions atmosphériques (CO_2 fossile, CH_4, CO, COV, poussières, métaux…),
- les rejets liquides (DCO, métaux lourds…),
- les émissions dans les sols (métaux lourds…)
- la production de déchets solides (ménagers, inertes ou dangereux).

L'inventaire de ces flux, sur l'ensemble d'une filière ou d'un système donné, se décompose en deux phases :

- la première consiste à quantifier l'ensemble de ces flux de manière distincte pour chaque étape de la filière,
- la seconde a pour objet de sommer ces flux : cette étape nécessite de relier ou d'agréger les étapes du système entre elles. Dans notre étude toutes les étapes sont agrégées selon l'unité fonctionnelle choisie : « Porter un pantalon en jean pendant un jour ».

Cette phase d'analyse des flux permet ensuite une approche synthétique au travers de l'étude des indicateurs d'impacts environnementaux.

2.5.2. INDICATEURS ENVIRONNEMENTAUX

L'étude des impacts environnementaux a été réalisée au travers de la lecture de différents indicateurs qui sont regroupés de la manière suivante :

- consommation de ressources :
  - épuisement des ressources abiotiques,

- consommation d'eau,

- bilan énergétique,
- bilan effet de serre,
- autres indicateurs environnementaux :
  - pollution de l'air : acidification et pollution photochimique, déplétion de la couche d'ozone,
  - pollution de l'eau : eutrophisation,
  - production de déchets solides,
  - risque toxique (pour l'homme et pour les écosystèmes).

Les facteurs de caractérisation utilisés pour quantifier chaque indicateur proviennent de CML (université de Leiden), 2002, et sont présentées dans l'annexe 2.

THEMES	INDICATEURS D'IMPACTS POTENTIELS	UNITES
Consommation de ressources	Déplétion des ressources abiotiques	kg Sb éq.
	Consommation d'eau	m^3 *(cf remarque ci-dessous)*
Bilan énergétique	Énergie primaire	MJ
Bilan effet de serre	Potentiel de réchauffement climatique	kg eq. CO_2
Pollution de l'air	Acidification de l'air	kg éq. SO_2
	Oxydation photochimique	kg éq. C_2H_4
	Déplétion de la couche d'ozone	kg éq. CFC-11
Pollution de l'eau	Eutrophisation	kg eq. PO_4^{2-}
Risque toxique	Écotoxicité aquatique	kg eq. 1-4-dichlorobenzène
	Toxicité humaine	kg eq. 1-4-dichlorobenzène
	Écotoxicité sédimentaire	kg eq. 1-4-dichlorobenzène
	Écotoxicité terrestre	kg eq. 1-4-dichlorobenzène
Déchets	Déchets banals solides	kg

Figure 2 : Indicateurs d'impacts potentiels retenus pour l'étude

Un indicateur spécifique a été retenu pour la consommation d'eau, tenant compte uniquement des consommations d'eau identifiées sur le cycle de vie du pantalon en jean : irrigation du champ de culture du coton, consommation d'eau lors de la production du pantalon en jean et lors des lavages. L'eau de barrage utilisée pour la production d'électricité n'est pas incluse.

2.5.3. EXIGENCES RELATIVES A LA QUALITE DES DONNEES

L'objectif de cette étude est de réaliser l'analyse de cycle de vie d'un pantalon en jean « moyen » (selon la définition des experts marketing de la société Ober, cf 2.2.2.), en utilisant les données de production de d'une société située en Tunisie, fabriquant une partie des pantalons en jean de la marque Ober. Conformément à la norme ISO 14040, les exigences relatives à la qualité des données couvrent les points suivants :

- Facteur temporel : les données utilisées sont représentatives de la situation actuelle. En effet, la collecte des données relatives à la production du pantalon en jean auprès de la société tunisienne prestataire d'Ober a été effectuée en 2005, et les données bibliographiques utilisées proviennent du BREF (Reference Document on Best Available Techniques) Textiles de juillet 2003 ou d'études récentes.
- Facteur géographique : l'étude est représentative d'un pantalon en jean « moyen » mis en vente en France.

  Les données relatives à la culture du coton sont représentatives de la production aux Etats-Unis (2ème producteur mondial).

  Les lieux de culture du coton et les transports du coton brut et du pantalon en jean finalisé sont représentatifs de cas réels de pantalons en jean mis en vente en France et produits à partir de coton cultivé en Inde, Ouzbékistan et Egypte[5].

  Les données relatives à la filature et l'ennoblissement du coton proviennent du BREF Textiles et sont donc représentatives d'une situation européenne.

  Les données relatives à la production et au traitement du pantalon en jean proviennent de la société prestataire d'Ober (Tunisie).

  Les données relatives à l'utilisation et à la fin de vie sont représentatives d'une situation française.
- Facteur technologique : les données reflètent la technologie actuelle. Pour les étapes d'ennoblissement et de production de la toile denim où les données utilisées proviennent du BREF ou de la société prestataire d'Ober, qui prennent en compte une étape de traitement des effluents aqueux, une analyse de sensibilité a été effectuée pour modéliser le bilan environnemental de ces étapes si elles étaient réalisées dans des unités de production non pourvues de STEP.

[5] « Chaînes logistiques et consommation d'énergie : cas du yaourt et du jean », étude réalisée par l'Inrets et B2K Consultants pour l'Ademe en juin 2005

3. Description du système étudié

Dans ce chapitre sont présentées les différentes étapes du cycle de vie d'un pantalon en jean, ainsi que les différentes données utilisées pour les modéliser. Pour chaque étape, les hypothèses relatives au scénario de référence sont présentées, ainsi que celles relatives aux analyses de sensibilité menées en dernière partie.

3.1. PRODUCTION DU COTON

3.1.1. LIEU DE PRODUCTION

L'étude « Chaînes logistiques et consommation d'énergie : cas du yaourt et du jean », réalisée par l'Inrets et B2K Consultants pour l'Ademe en juin 2005, présente 3 exemples de chaînes d'approvisionnement d'un pantalon en jean, suivant que le coton utilisé pour produire celui-ci provient d'Inde, d'Ouzbékistan ou d'Egypte. Ces 3 pays sont respectivement le 3ème, 5ème et 10ème producteurs mondiaux de coton[6].

Le choix a été fait, pour la présente étude, d'utiliser les données présentées dans l'étude Inrets pour modéliser le transport de la fibre de coton jusqu'à l'unité de filature en Tunisie.

La répartition géographique des pays d'approvisionnement du coton utilisé (soit l'Inde, l'Ouzbékistan et l'Egypte) a été obtenue par pondération des parts relatives des productions de ces pays dans la production mondiale, comme présenté dans le tableau ci-dessous :

	Production moyenne Mt 2001 - 2002	Part relative de la production totale	Poids relatifs des productions d'Inde, d'Ouzbékistan et d'Egypte
Chine	5,32	25%	
USA	4,42	21%	
Inde	2,508	12%	65%
Pakistan	1,853	9%	
Ouzbekistan	1,055	5%	27%
Egypte	0,314	1%	8%
autres	5,767	27%	
Total	**21,237**	**100%**	**100%**

Figure 3 : Répartition géographique de la production mondiale de coton (International Cotton Advisory Committee (ICAC) « Cotton : Review of the world situation » Vo.55, N° 5, Washington DC, 2002 a)

Il convient de préciser que dans les cas étudiés dans le rapport Inrets, la filature et la confection se font en Inde, au Bengladesh ou en Egypte, tandis que celles-ci s'effectuent en Tunisie pour le pantalon en jean modélisé dans le présent rapport. Nous avons donc modélisé une étape de transport par bateau supplémentaire vers la Tunisie.

[6] Source : International Cotton Advisory Committee (ICAC) « Cotton : Review of the world situation » Vo.55, N° 5, Washington DC, 2002 a

Les chaînes logistiques considérées dans la présente étude pour le transport du coton brut vers la Tunisie, où aura lieu les différentes opérations nécessaires à la production du pantalon en jean, sont décrites dans la figure ci-dessous.

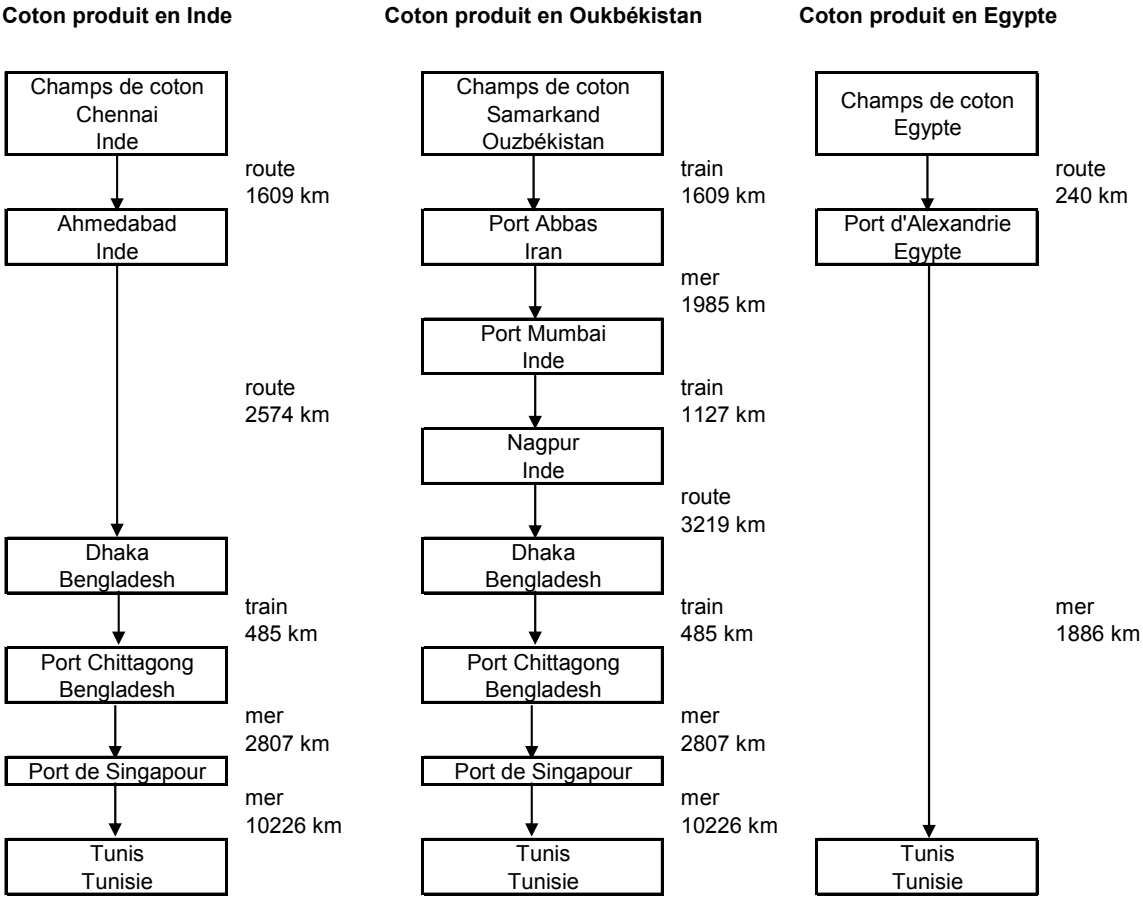


Figure 4 : Transports du coton depuis les champs jusqu'à la Tunisie.

Sources : « Chaînes logistiques et consommation d'énergie : cas du yaourt et du jean », l'Inrets et B2K Consultants pour l'Ademe, juin 2005, sauf pour les distances de Singapour de d'Alexandrie à Tunis : http://www.tv5.org/TV5Site/voyageurs/distancevilles2.php

Les inventaires de cycle de vie utilisés pour cette étape sont décrits dans le tableau ci-après :

	Source de l'inventaire de cycle de vie	**Nom du module**
Transport maritime	EcoInvent v1.2	Transport, transoceanic freight ship/OCE S
Transport par camion		Transport, lorry 28t/CH S
Transport par train		Operation, freight train, diesel/RER U

Figure 5: Inventaires de cycle de vie utilisés pour modéliser le transport du coton

3.1.2. CULTURE INTENSIVE DU COTON (SCENARIO DE REFERENCE)

La culture intensive du coton est une hypothèse du scénario de référence. Cette étape comprend l'utilisation d'engrais de synthèse et les émissions associées (nitrates, métaux lourds…), la lixiviation des nitrates, phosphates et du potassium dans les sols, l'utilisation de pesticides pour la protection des plants de coton et les émissions associées (émissions dans l'eau et dans les sols) ainsi que la consommation d'énergie pour l'entretien, la récolte et la mise en balle du coton brut.

Les différentes quantités utilisées sont décrites dans le tableau ci-dessous, et commentées dans les paragraphes suivants. Elles sont représentatives de la production du coton aux Etats-Unis (26% de la production mondiale), pays pour lequel des données sont disponibles.

Irrigation

Eau	l/kg de fibre de coton	7 103

Source: Life Cycle Assessment of Disposable and Reusable Nappies in the UK. Environment Agency Mai 2005

Engrais		**Entrants**	**Sortants (eau)**
N	kg/kg de fibre de coton	1.08E-01	3.42E-03
P2O5	kg/kg de fibre de coton	3.73E-02	1.18E-03
K2CO3	kg/kg de fibre de coton	4.41E-02	1.39E-03

Source: Life Cycle Assessment of Disposable and Reusable Nappies in the UK. Environment Agency Mai 2005

Protection des plants		**Entrants**	**Sortants (eau et sols)**
Insecticides	kg/kg de fibre de coton	1.80E-03	9.19E-05
Herbicides	kg/kg de fibre de coton	2.67E-03	1.36E-04
Fongicides	kg/kg de fibre de coton	4.70E-05	

Sources: Life Cycle Assessment of Disposable and Reusable Nappies in the UK. Environment Agency Mai 2005
Trends in the Potential for Environmental Risk from Pesticide Loss from Farm Fields, Robert L. Kellogg, United States Department of Agriculture, 1999

Récolte		**Entrants**	**Sortants (eau et sols)**
Défoliant	kg/kg de fibre de coton	4.33E-05	3.03E-06

Sources: Life Cycle Assessment of Disposable and Reusable Nappies in the UK. Environment Agency Mai 2005
Cotton Defoliant Runoff as a Function of Active Ingredient and Tillage, Thomas L. Potter et al., 2002

Energie

Diesel	l/kg de fibre de coton	2.35E-01
Electricité	kWh/kg de fibre de coton	4.11E-01
Gaz	l/kg de fibre de coton	5.87E-02
GPL	l/kg de fibre de coton	2.35E-02

Source: Life Cycle Assessment of Disposable and Reusable Nappies in the UK. Environment Agency Mai 2005

Figure 6: Données utilisées pour modéliser la culture intensive du coton

- Engrais

Il n'est pas précisé dans l'étude « Life Cycle Assessment of Disposable and Reusable Nappies in the UK » d'où sont issues les données sur les engrais dans quels milieux (air, eau, sol) sont émis les "outputs" de l'étape de fertilisation.

L'hypothèse a été faite dans la présente étude qu'il s'agit de lixiviats. On trouve dans la littérature[7] des références faisant état d'émissions dans l'air sous forme de N_2O (gaz à effet de serre), qui n'ont pas été prises en compte ici faute de données consistantes pour les modéliser.

[7] Source: Harmonisation of Environmental Life Cycle Assessment for Agriculture, Final Report concerted Action AIR3-CT94-2028, Commission Européenne DG VI Agriculture, 2003

Concernant les émissions de métaux dans l'eau liées à l'utilisation d'engrais de synthèse, les données suivantes ont été utilisées[8] :

Métaux	en mg/kg fertilisant
As	0.43
Cd	0.05
Co	5.00
Cr	4.00
Cu	7.00
F	136.00
Hg	0.02
Mo	0.25
Ni	13.00
Pb	1.90
Se	0.25
Zn	50.00

Hyp : Nitrate d'ammonium à 30,5%

Figure 7: Emissions de métaux lourds liées à l'utilisation d'engrais

- Protection des plants

Le diuron et le méthylparathion ont été choisis pour modéliser l'insecticide et l'herbicide pour les raisons suivantes :

- Ils font partie des produits utilisés les plus couramment dans la culture du coton[9].

- Leurs inventaires de cycle de vie sont disponibles dans la base de données Ecoinvent.

- Des facteurs de caractérisation sont disponibles dans la méthode CML pour leurs émissions dans l'eau, l'air et les sols pour les indicateurs de toxicité et d'écotoxicité.

La production du fongicide a été modélisée en considérant la production d'un pesticide générique, faute de données disponibles. Sa lixiviation dans l'eau et les sols n'a donc pas pu être modélisée.

D'après la littérature[10], la perte totale en masse de pesticides pour la culture du maïs, soja, coton, sorgho, orge et riz aux Etats-Unis est en moyenne de 5.1% des quantités appliquées. Ces pertes sont réparties de la façon suivante :

- 0.5% en lixiviation,

- 3.3% dissoutes dans le ruissellement,

- 1.3% en absorption dans les particules du sol.

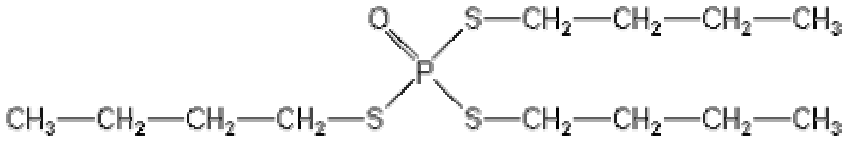
[8] Source: Harmonisation of Environmental Life Cycle Assessment for Agriculture, Final Report concerted Action AIR3-CT94-2028, Commission Européenne DG VI Agriculture, 2003

[9] Source : Soren Ellebak Laursen, Jhon Hansen (DTI Closing and textiles), Jhon Bagh et al (DK-Teknik) ; Environmental impact assessment of textiles (1997), Ministry of the Environment and Energy, Denmark

[10] Source: Trends in the Potential for Environmental Risk from Pesticide Loss from Farm Fields", Robert L. Kellogg, United States Department of Agriculture, 1999

- Défoliant

Le produit choisi pour modéliser le défoliant est un organophosphoré, le tribufos (*S,S,S*-tributyl phosphorotrithioate) :

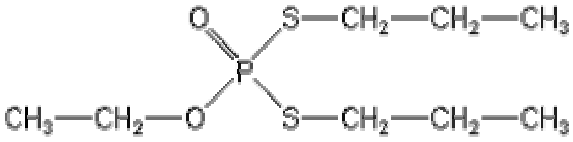


Il a été choisi pour les raisons suivantes :

- C'est l'un des défoliants les plus utilisés pour la culture du coton aux Etats-Unis (26% de la production mondiale)[11] , où il a été épandu sur 25% de la production de coton en 2001.

- C'est le seul défoliant organique pour lequel un inventaire de production a pu être utilisé dans la base de données Ecoivent (Organophosphorus-compounds, at regional storehouse/RER S).

- Des facteurs de caractérisation sont disponibles dans la méthode CML pour les émissions dans l'eau, l'air et les sols pour les indicateurs de toxicité et d'écotoxicité, pour une molécule proche du tribufos, l'ethoprophos (*O*-ethyl *S,S*-dipropyl phosphorodithioate) :



La littérature[12] donne un taux d'application du tribufos de 0.06 kg/ha pour un champ labouré de façon conventionnelle. Un rendement de 1386 kg de coton par hectare[13] a été appliqué pour obtenir l'hypothèse de 4.33^{E}-5 kg de défoliant / kg de coton.

On trouve les données suivantes dans la littérature sur la lixiviation des défoliants utilisés pour le coton :

- 7% des intrants dans l'ACV « Life Cycle Assessment of Disposable and Reusable Nappies in the UK »

- 14.5% des intrants, correspondant à un maximum dans le cas de pluie intervenant juste après l'épandage du défoliant, dans l'étude « Cotton Defoliant Runoff as a Function of Active Ingredient and Tillage, Thomas L. Potter et al., 2002 »

La donnée de 7% de lixiviation a été choisie pour cette étude.

[11] Source : Cotton Defoliant Runoff as a Function of Active Ingredient and Tillage, Thomas L. Potter et al., United States Department of Agriculture, 2002

[12] Source : Cotton Defoliant Runoff as a Function of Active Ingredient and Tillage, Thomas L. Potter et al., US Department of Agriculture, 2002

[13] Source : Soren Ellebak Laursen, Jhon Hansen (DTI Closing and textiles), Jhon Bagh et al (DK-Teknik) ; Environmental impact assessment of textiles (1997), Ministry of the Environment and Energy, Denmark

- Energie

Concernant la consommation d'électricité, des inventaires de cycle de vie spécifiques aux pays de production considérés ont été créés, à partir des données de mix électriques fournies par l'Agence Internationale de l'Energie (www.iea.org) (les sources d'énergie renouvelables non prises en compte sont la biomasse, la géothermie, les déchets, et l'énergie solaire car les inventaires de cycle de vie ne sont pas disponibles, et elles représentent moins de 1% des sources utilisées par les 3 pays présentés ci-dessous).

Le tableau ci-dessous présente donc les mix électriques d'un pays d'Asie moyen (hors Chine), de l'Egypte, et de la Tunisie (en effet, bien qu'on ne considère pas de production de coton en Tunisie, cet inventaire de cycle de vie sera nécessaire par la suite et est donc présenté ici).

Electricity in Tunisia in 2003		
Flow		
Unit: ***GWh***		
Production from:		
- coal	0	0%
- oil	1074	9%
- gas	11138	90%
- hydro	166	1%
Total Electricity Production	**12378**	
Distribution Losses	1389	11%

Electricity in Egypt in 2003		
Flow		
Unit: ***GWh***		
Production from:		
- coal		0%
- oil	5243	6%
- gas	73464	80%
- hydro	12939	14%
Total Electricity Production	**91646**	
Distribution Losses	10724	12%

Electricity in Asia excluding China in 2002		
Flow		
Unit: ***GWh***		
Production from:		
- coal	630036	47%
- oil	147969	11%
- gas	330556	25%
- hydro	165003	12%
Total Electricity Production	**1334247**	
Distribution Losses	240977	18%

Figure 8 : Mix électriques d'un pays asiatique moyen, de l'Egypte et de la Tunisie

Les inventaires de cycles de vie suivants ont été utilisés pour modéliser les inventaires de production d'électricité en Asie, en Egypte et en Tunisie, à partir des compositions des différents mix électriques présentés ci-dessus :

	Source de l'inventaire de cycle de vie	**Nom du module**
Production d'électricité à partir de gaz	EcoInvent v1.2	Electricity, industrial gas, at power plant/UCTE S
Production d'électricité d'origine hydraulique		Electricity, hydropower, at reservoir power plant, non alpine regions/RER S
Production d'électricité à partir de fuel		Electricity, oil, at power plant/UCTE S
Production d'électricité à partir de charbon		Electricity, hard coal, at power plant/UCTE S
Production d'électricité d'origine nucléaire		Electricity, nuclear, at power plant/UCTE U

Figure 9 : LCI utilisés pour la production d'électricité

Remarque : les données utilisées pour les mix électriques et pertes en ligne sur le réseau de distribution sont représentatives de la situation actuelle en Asie, Egypte et Tunisie. En revanche les inventaires de cycle de vie relatifs aux différents modes de production d'électricité à partir de gaz, de fioul, de charbon, d'énergie hydraulique et nucléaire sont représentatifs des techniques actuellement utilisées en Europe (figure 9). De fait, on considère que les techniques de production d'électricité dans ces différentes régions du monde présentent des performances environnementales similaires à celles utilisées en Europe.

Cette hypothèse peut introduire un biais, mais la consommation d'électricité dans ces différents pays est faible comparativement à la consommation d'électricité en France (lavage et repassage). On peut donc raisonnablement supposer que ce biais a une faible influence sur les résultats.

Les inventaires de cycle de vie utilisés pour l'étape de culture intensive du coton sont décrits dans le tableau ci-après :

	Source de l'inventaire de cycle de vie	Nom du module
Production d'engrais K	EcoInvent v1.2	Potassium nitrate, as K2O, at regional storehouse/RER S
Production d'engrais N		Ammonium nitrate, as N, at regional storehouse/RER S
Production d'engrais P		Ammonium nitrate phosphate, as P2O5, at regional storehouse/RER S
Production de l'insecticide		Methyl parathion, at regional storehouse
Production du fongicide		Pesticide unspecified, at regional storehouse/RER S
Production du défoliant		Organophosphorus-compounds, at regional storehouse/RER S
Production de l'herbicide		Diuron, at regional storehouse/RER S
Production d'énergie à partir de gaz naturel		Heat, natural gas, at boiler condensing modulating <100kW/RER S
Production du diesel		Diesel, low-sulphur, at regional storage/RER S
Combustion du diesel	ETH Zurich	Diesel, combustion

Figure 10 : Inventaires de cycle de vie utilisés pour modéliser la culture intensive du coton

3.1.3. CULTURE BIOLOGIQUE DU COTON (ANALYSE DE SENSIBILITE))

L'utilisation de fibres de coton provenant de l'agriculture biologique dans le pantalon en jean est une option étudiée dans les analyses de sensibilité.

Les consommations d'eau et d'énergie sont similaires à celles de la culture intensive, mais il n'y a pas d'utilisation d'engrais, d'insecticides, d'herbicides, de fongicides ni de défoliant.

3.2. FILATURE DU COTON

La filature du coton est une étape de scénario de référence.

La filature consiste à traiter une masse de fibres désordonnées pour les mélanger, les nettoyer de leurs impuretés, les placer parallèlement entre elles sous forme de voile ou de ruban.

Cette étape consomme de l'électricité pour les machines, et de l'huile pour la lubrification des fibres.

Les données utilisées pour l'étape de filature du coton sont détaillées ci-après.

Remarque : pour ce tableau et pour les suivants, où des valeurs minimale, moyenne et maximale sont présentées, ce sont les valeurs moyennes qui ont été utilisées.

Filature

Energie (électrique)	kWh/kg de coton	2,32
Lubrifiant	g/kg de coton brut	60
Pertes de matière		10%

Source: Life Cycle Assessment of Disposable and Reusable Nappies in the UK. Environment Agency Mai 2005

Figure 11: Données relatives à la filature

10% du coton sont perdus lors de la filature. Cela signifie que pour produire les 600g de toile denim nécessaires à un pantalon en jean, il faut considérer 670g de coton pour les étapes de production et de filature.

Les inventaires de cycle de vie utilisés sont décrits dans le tableau ci-après :

	Source de l'inventaire de cycle de vie	**Nom du module**
Production du lubrifiant	Ecoivent v1.2	Lubricating oil, at plant/RER S

Figure 12: Inventaires de cycle de vie utilisés pour modéliser la filature du coton

La filature ayant lieu en Tunisie, le modèle électrique tunisien présenté pour l'étape de culture intensive du coton est utilisé.

3.3. TISSAGE

Le tissage est une étape du scénario de référence.

L'étape de tissage comprend l'ensemble des opérations en aval de la filature :

- ourdissage : préparation de la nappe de fils de chaîne[14],

- débouillissage sur la nappe de fils de chaîne : lavage avant teinture pour éliminer les impuretés,

- teinture en indigo (fils de chaîne),

- séchage (fils de chaîne),

- encollage : apprêtage de la chaîne avec des produits appropriés, dans le but d'améliorer les propriétés physiques du fil pour les opérations ultérieures,

- tissage.

On obtient un écru denim avec chaîne teinte en indigo.

Remarque : la sous-étape d'ourdissage n'a pu être prise en compte faute de données.

Les données utilisées pour l'étape de tissage sont détaillées ci-après :

[14] Les fils de chaîne sont les fils qui vont former la longueur du tissu, par opposition aux fils de trame, formant la largeur.

Débouillissage (fils de chaîne)		Min	Moy	Max
NaOH	g/kg de coton	20	50	80
Agents complexants (hypothèse: 100% EDTA)	g/kg de coton	3	16,5	30
Surfactant	g/kg de coton	5	17,5	30
Consommation d'eau	l/kg de coton		50	
Energie	kWh/kg de coton	Dans le bilan énergétique ennoblissement		

Source: Integrated Pollution Prevention and Control (IPPC). Reference Document on Best Available Techniques for the Textiles Industry. July 2003, tableau 4, annexe IV (traitement en discontinu).

Teinture (fils de chaîne)		Min	Moy	Max
Indigo	g/kg de coton		0,02	
Energie	kWh/kg de coton	Dans le bilan énergétique ennoblissement		
Consommation d'eau	l/kg de coton		147	

Source: société tunisienne produisant des pantalons en jean

Séchage (fils de chaîne)		
Vapeur	kg/kg de coton	1,1

Source: Integrated Pollution Prevention and Control (IPPC). Reference Document on Best Available Techniques for the Textiles Industry. July 2003, p194.

Encollage (fils de chaîne)		Min	Moy	Max
Encollage (amidon)	g/kg de coton	150	175	200

Source: Integrated Pollution Prevention and Control (IPPC). Reference Document on Best Available Techniques for the Textiles Industry. July 2003. Page 492 Table 8.6 pour l'encollage pre-STEP

Tissage		
Electricité	kWh/kg	6,5

Source: IFTH

Figure 13 : Données relatives au tissage

Remarques :

- Concernant la consommation d'énergie du débouillissage et de la teinture, seule une donnée globale de consommation d'énergie de l'étape d'ennoblissement a été trouvée dans la littérature, pour un processus « classique » de production d'un article en coton (hors denim donc), où alors le débouillissage et la teinture sont des sous-étapes de l'ennoblissement. Faute d'autre donnée, c'est celle-ci qui a été utilisée. Elle est présentée au chapitre suivant, sur l'ennoblissement.

- Il n'y a pas d'inventaire de cycle de vie disponible pour la production de l'indigo (comme de tout autre colorant). Celle-ci a donc été modélisée par un produit intermédiaire de la fabrication de l'indigo, le phtalimide (cf ci-dessous le schéma de production de l'indigo), pour lequel on dispose d'un inventaire de cycle de vie dans la base de données EcoInvent 1.2. Comme il faut 2 molécules de phtalimide pour faire une molécule d'indigo, la quantité consommée, soit 0.02 g/kg de coton a été multipliée par 2.

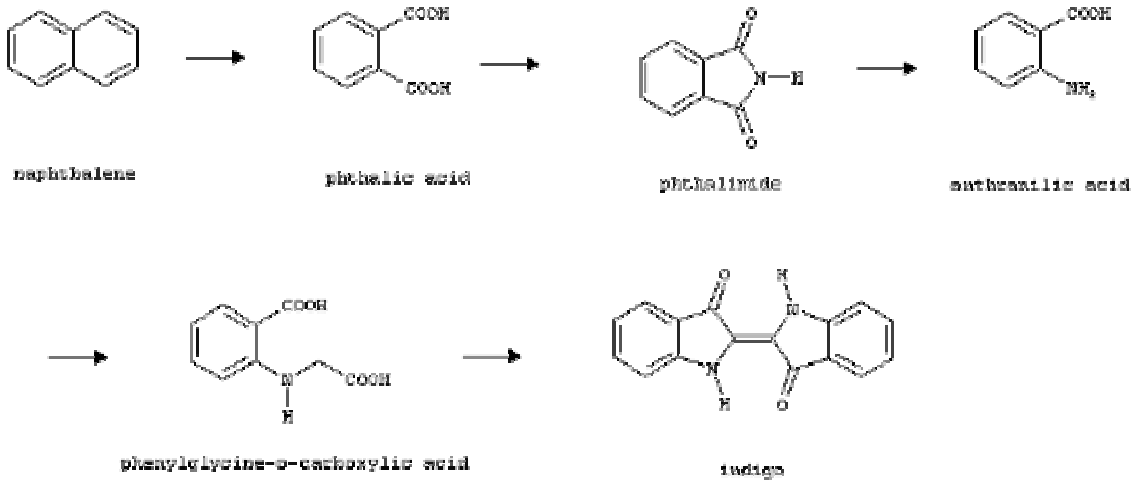


Figure 14 : Schéma de production de l'indigo.

Les inventaires de cycle de vie utilisés sont décrits dans le tableau ci-après :

	Source de l'inventaire de cycle de vie	Nom du module
Production de la soude	EcoInvent v1.2	Sodium hydroxide, 50% in H2O, production mix, at plant/RER S
Production de l'agent complexant		EDTA, ethylenediaminetetraacetic acid, at plant/RER S
Production des surfactants		70% Ethoxylated alcohols (AE7), petrochemical, at plant/RER S 30% Alkylbenzene sulfonate, linear, petrochemical, at plant/RER S
Production du phtalimide		Phtalamide-compounds, at regional storehouse/CH S
Production de vapeur		Steam, for chemical processes, at plant/RER S
Production de l'amidon		Potato starch, at plant/DE S

Figure 15: Inventaires de cycle de vie utilisés pour modéliser le tissage

NB : le modèle électrique utilisé est le modèle tunisien présenté à l'étape « production du coton ».

3.4. ENNOBLISSEMENT DU FIL DE COTON

3.4.1. EPURATION DES EAUX DE SORTIE D'UNITE D'ENNOBLISSEMENT (SCENARIO DE REFERENCE)

L'ennoblissement du fil de coton est une étape de scénario de référence.

L'étape d'ennoblissement comprend l'ensemble des opérations en aval du tissage :

- brossage,

- flambage : opération de finition ayant pour but de brûler les duvets à la surface d'un fil ou d'une étoffe,

- correction de trame,

- sanforisage humide : pour éviter les retraits au lavage,

- séchage,

- éventuellement apprêts sur rame.

On obtient un tissu denim prêt à être confectionné.

Les sous-étapes de brossage, correction de trame, sanforisage humide et apprêts sur rame n'ont pu être modélisées, faute de données. Après discussion avec l'IFTH, il semblerait que ceci n'impacte pas les résultats de façon significative, les impacts potentiels sur l'environnement de ces opérations pouvant être considérés comme négligeables au regard des autres sous-étapes.

Les données utilisées pour l'étape d'ennoblissement sont détaillées ci-après :

Flambage		Min	Moy	Max
Energie	kWh/kg de coton	Dans le bilan énergétique ennoblissement		

Source: Integrated Pollution Prevention and Control (IPPC). Reference Document on Best Available Techniques for the Textiles Industry. July 2003.

Séchage		
Vapeur	kg/kg de coton	1,1

Source: Integrated Pollution Prevention and Control (IPPC). Reference Document on Best Available Techniques for the Textiles Industry. July 2003, p194.

Bilan énergétique ennoblissement		Min	Moy	Max
Electricité	kWh/kg de coton		2,1	
Gaz naturel	kWh/kg de coton		13,1	

Source: Le diagnostic énergétique d'une entreprise du secteur textile IEPF (source primaire ADEME/IFTH Information EMIE/CEREN)

Sortie de STEP		Min	Moy	Max
Rejets dans l'eau	l/kg de coton	105,00	160,00	215,00
DCO	g/kg de coton	69,00	83,00	97,00
DBO5	g/kg de coton	17,00	20,50	24,00
AOX	g/kg de coton		0,04	
HC	g/kg de coton	0,05	0,08	0,10
NH4+	g/kg de coton		0,07	
N Org.	g/kg de coton		1,30	
N Tot.	g/kg de coton		2,20	
P	g/kg de coton		0,45	
Cu	mg/kg de coton	13,00	17,25	21,50
Cr	mg/kg de coton	4,30	5,15	6,00
Ni	mg/kg de coton	11,00	22,50	34,00
Zn	mg/kg de coton		43,00	

Source: Integrated Pollution Prevention and Control (IPPC). Reference Document on Best Available Techniques for the Textiles Industry. July 2003. Table 3.11 Page 156

Figure 16 : Données relatives à l'ennoblissement

Remarque: la consommation d'énergie présentée inclut celle de la station d'épuration.

Les inventaires de cycle de vie utilisés sont décrits dans le tableau ci-après :

	Source de l'inventaire de cycle de vie	Nom du module
Production de vapeur		Steam, for chemical processes, at plant/RER S
Production d'énergie à partir de gaz naturel		Heat, natural gas, at boiler condensing modulating <100kW/RER S

Figure 17: Inventaires de cycle de vie utilisés pour modéliser l'ennoblissement du coton

NB : le modèle électrique utilisé est le modèle tunisien présenté à l'étape « production du coton ».

3.4.2. PAS D'EPURATION DES EAUX DE SORTIE D'UNITE D'ENNOBLISSEMENT (ANALYSE DE SENSIBILITE)

Les données de charge organique et de charge en métaux des eaux en sortie de STEP de l'unité d'ennoblissement proviennent des BREF (Best Available Techniques Reference Documents), et ne sont donc pas nécessairement représentatives d'une unité d'ennoblissement du coton située en Asie, qui ne disposerait pas de station d'épuration des eaux.

De manière à évaluer ce que pourrait être l'impact environnemental d'une unité d'ennoblissement sans station d'épuration, une analyse de sensibilité a été effectuée, estimant que ces valeurs de charge en sortie de STEP présentées dans le BREF

correspondent à un taux d'abattement de 90%. Ainsi dans cette analyse, les valeurs présentées dans la figure 16 en sortie de STEP ont été multipliées par 10, pour refléter une situation où il n'y aurait pas de traitement des eaux en sortie d'unité d'ennoblissement, maximisant ainsi les impacts potentiels sur l'environnement.

3.5. CONFECTION

Cette étape comprend la découpe de la toile denim et de la doublure, la couture, la surpiqûre avec le bifil, et l'ajout des rivets et des boutons.

La confection est une étape de scénario de référence, mais le choix du matériau utilisé pour les rivets et les boutons (inox, cuivre ou laiton) est un paramètre qui sera soumis à variation dans les analyses de sensibilité (cf 4.3.2.). Pour le scénario de référence, les paramètres suivants ont été utilisés :

- Rivets 50% cuivre, 50% inox,

- Boutons 33% cuivre, 33% inox et 33% laiton.

Les données utilisées pour cette étape sont détaillées ci-après :

Surface de toile par jean	m2/unité	1,5
Energie pour la découpe	kWh/m2	
Masse de toile denim par jean	**g/jean**	**600**

Source: société tunisienne produisant des pantalons en jean

Tissu utilisé pour doublure	65% poyester / 35% coton	
Surface par jean	m2/jean	0,25
Masse surfacique	g/m2	150
Masse de doublure par jean	**g/jean**	**37,5**

Source: société tunisienne produisant des pantalons en jean

Fil pour confection (bifil)	Polyester	
Longueur de fil par jean	m	250
Masse linéique	m/kg	24000
Masse de fil par jean	**g/jean**	**10,42**

Source: société tunisienne produisant des pantalons en jean

Energie pour confection

Electricité	kWh/m	

Source: société tunisienne produisant des pantalons en jean

Rivets

Nombre de rivets par jean	6
Matériaux	Cuivre / Inox
Origine	Italie / Allemagne
Distance Rome - Tunis (km)	594
Distance Berlin - Tunis (km)	1762
Transports	Bateau
Masse unitaire (g/rivet)	0,6
Masse de rivets par jean (g)	**3,6**

Source: société tunisienne produisant des pantalons en jean

Boutons

Nombre de boutons par jean	4
Matériaux	Inox/Cuivre/Laiton
Origine	Italie / Allemagne
Transports	Bateau
Masse unitaire (g/bouton)	3,5
Masse de boutons par jean (g)	**14**

Source: société tunisienne produisant des pantalons en jean

Figure 18: Données relatives à la confection

Les inventaires de cycle de vie utilisés pour cette étape sont décrits dans le tableau ci-après :

	Source de l'inventaire de cycle de vie	Nom du module
Production du polyester	EcoInvent v1.2	Polyethylene terephthalate, granulate, amorphous, at plant/RER S
Production de la feuille de cuivre		Copper, at regional storage/RER S Sheet rolling, copper/RER S
Production de la feuille d'acier inoxydable		Chromium steel 18/8, at plant/RER S Sheet rolling, steel/RER S
Production du laiton		Brass, at plant/CH S
Transport maritime		Transport, transoceanic freight ship/OCE S

Figure 19 : Inventaires de cycle de vie utilisés pour modéliser la confection du pantalon

Remarques :

- La consommation d'énergie nécessaire à la production de fil polyester à partir de granulés de PE a été négligée, faute de données.

- La production du coton a été modélisée à partir des données de la présente étude.

- Les données relatives aux consommations d'énergie pour la découpe et la confection sont manquantes. Ces étapes n'ont donc pas pu être modélisées.

- La production de déchets de tissu lors de la découpe n'a pu être modélisée, faute de données.

- Les consommations d'énergie des presses à emboutir utilisées pour produire les rivets et le bouton ont été négligées, faute de données.

- Le modèle électrique utilisé est le modèle tunisien présenté à l'étape « production du coton ».

3.6. TRAITEMENT DU PANTALON EN JEAN

3.6.1. EPURATION DES EAUX DE SORTIE D'UNITE DE PRODUCTION DE LA TOILE (SCENARIO DE REFERENCE)

Le traitement du pantalon en jean est une étape de scénario de référence.

L'étape du traitement du pantalon en jean comprend divers processus destinés à donner un aspect délavé ou usé au pantalon en jean.

Les divers traitements envisagés dans cette étude sont les suivants :

- Stonewash simple *(scénario de référence)* : le pantalon en jean est lavé en machine avec des pierres ponces. La taille des pierres et le temps passé en machine déterminent le rétrécissement de la toile, son éclaircissement et son aspect usé.

- Stonewash avec chlore *(scénario de référence)* : pour délaver le pantalon en jean

- Stonewash avec permanganate *(analyse de sensibilité)* : pour délaver le pantalon en jean

- Moustaches *(analyse de sensibilité)* : plis avec usure. Traitement manuel: le tissu est pincé avec des pinces « bourdon » en plastique et du permanganate est appliqué sur le pli. Puis le pli est frotté à la toile émeri pour l'user.

- Vaporisation *(scénario de référence)* : pour assouplir le tissu.

D'autres traitements peuvent être apportés à un pantalon en jean, qui n'ont pas été modélisés dans cette étude faute de données : traitement post-stonewash avec des adoucissants à base de silicone, traitement par spray pour le blanchiment ou la teinture, ruptures (trous), traitement avec résine à chaud pour donner un aspect brillant, teinture avec du « tanino » pour donner un aspect sale, etc.

Les données utilisées pour cette étape sont détaillées ci-après :

Machine à tambour

Puissance (kW)	20
Production (jeans/h)	80
Consommation d'électricité par jean pour le stonewash (kWh)	**0,25**

Source: société tunisienne produisant des pantalons en jean

Stonewash

Volume d'eau pour délaver un jean (L)	25

au chlore

Concentration de la solution de chlore g/L	50
Volume de solution l par litre d'eau	0,002
Quantité totale de chlore g/Jean	**2,5**

au peroxyde

Concentration de peroxyde g/L	60
Volume de solution l par litre d'eau	0,002
Quantité totale de peroxyde g/Jean	**3,0**

Source: société tunisienne produisant des pantalons en jean

Moustaches

Volume d'eau par jean (L)	3
Quantité de permanganate de potassium (cc/ l)	0,01
Concentration permanganate (g/l)	4
Quantité totale de permanganate (g/Jean)	**0,00012**

Source: société tunisienne produisant des pantalons en jean

Vaporisation

Consommation d'électricité (kWh/kg vêtement)	0,02
Consommation de gaz (kWh/kg vêtement)	0,23
Eau (L/kg vêtement)	0,2

Source: Eco-conception ou la prise en compte de l'environnement au stade de la création d'un vêtement - Cas du pull-over. Rapport intermédiaire février 2002, IFTH

Figure 20 : Données relatives aux traitements du pantalon en jean

Les inventaires de cycle de vie utilisés pour cette étape sont décrits dans le tableau ci-après :

	Source de l'inventaire de cycle de vie	Nom du module
Production du chlore	Ecoivent v1.2	Chlorine, gaseous, mercury cell, at plant/RER S
Production du peroxyde d'hydrogène		Hydrogen peroxide, 50% in H2O, at plant/RER S
Production du permanganate		Chemicals inorganic, at plant/GLO S
Production et utilisation de gaz		Heat, natural gas, at boiler condensing modulating <100kW/RER S

Figure 21: Inventaires de cycle de vie utilisés pour modéliser les traitements apportés au pantalon en jean

Remarques :

- Le seul inventaire de cycle de vie disponible pour le chlore est pour le chlore gazeux, et non en solution.

- La production, l'utilisation et la fin de vie des pierres ponce utilisées pour le stonewash ont été négligées faute de données.

- En l'absence d'inventaire de cycle de vie pour le permanganate de potassium, un inventaire générique pour une substance chimique inorganique a été utilisé.

- Le module d'électricité tunisienne, décrit pour l'étape de production du coton, a été utilisé.

Le processus de production de la toile denim est spécifique par rapport à un processus classique de production de coton, en ce sens qu'il n'y a pas d'étape proprement dite de désencollage. Les résidus d'amidon présents sur les fibres suite à l'opération d'encollage sont évacués lors des traitements du pantalon en jean.

Ceux-ci sont modélisés par des effluents aqueux comme indiqués ci-après. Dans le scénario de référence, on considère une station d'épuration avec un taux d'abattement de la DCO et de la DBO de 90%. En effet, la société tunisienne qui nous a fourni les données de traitement du pantalon possède une station d'épuration dans son usine.

Rejets de STEP

Masse de fil de coton par m2 de toile	g/m²		400	
DCO amidon pre-STEP	kg O2/g d'amidon	9,00E-04	9,50E-04	1,00E-03
DBO5 amidon pre-STEP	kg O2/g d'amidon	5,00E-04	5,50E-04	6,00E-04
DCO amidon pre-STEP	kg O2/kg coton	1,35E-01	1,66E-01	2,00E-01
DBO5 amidon pre-STEP	kg O2/kg coton	7,50E-02	9,63E-02	1,20E-01
DCO amidon post-STEP	kg O2/kg coton	1,35E-02	0,02	2,00E-02
DBO5 amidon post-STEP	kg O2/kg coton	2,70E-04	0,00	4,00E-04

Sources:
- Société tunisienne produisant des pantalons en jean pour la masse linéique du coton
- Société Feutrie (ennoblissement des textiles): 90% d'abatement de la DCO et 98% pour la DBO en sortie de station d'épuration de l'usine

Figure 22: Données relatives aux rejets de STEP après traitement du pantalon en jean

Attention, ces données ne concernent que les rejets aqueux dus au désencollage. Les effluents dus aux divers procédés de traitement du pantalon n'ont pu être modélisés faute de données.

3.6.2. PAS D'EPURATION DES EAUX DE SORTIE D'UNITE DE PRODUCTION DE LA TOILE (ANALYSE DE SENSIBILITE)

Une unité de production de la toile sans station d'épuration (et donc sans abattement de la DCO et de la DBO) est modélisée en analyse de sensibilité.

3.7. UTILISATION DU PANTALON EN JEAN

L'étape d'utilisation du pantalon en jean est soumise à de nombreux paramètres, et les choix effectués pour le scénario de référence sont rappelés dans le tableau ci-dessous.

SCENARIO DE REFERENCE	
Paramètres relatifs à l'utilisation du pantalon en jean	
Type de lavage (lave-linge ou pressing)	lavage en machine
si lavage en machine :	
- température de lavage	40°C
- classe énergétique du lave-linge	moyenne européenne (C)
Utilisation d'un sèche-linge	non
Repassage	oui

Les différents modules construits pour cette étude, pour le scénario de référence et les scénarios étudiés dans les analyses de sensibilité, sont décrits dans ce chapitre.

3.7.1. TRANSPORT TUNISIE -> FRANCE

Cette étape fait partie du scénario de référence.

Les données utilisées sont présentées dans le tableau ci-dessous :

Transport Tunisie - France

Distance Tunisie - Gênes (km)	869.00
Distance Gênes - région parisienne (km)	913.00

Sources:
- Chaînes logistiques et consommation d'énergie: cas du yaourt et du jean, C. Rizet, Inrets, B. Keïta, B2K Consultants, pour Predit et l'Ademe, 2005, pour le trajet
- Site Internet http://www.tv5.org/TV5Site/voyageurs/distancevilles2.php pour les distances

Figure 23 : Données relatives au transport des pantalons en jean de Tunisie en France

L'étude « Chaînes logistiques et consommation d'énergie: cas du yaourt et du jean », réalisée par Inrets pour l'Ademe en 2005, présente un cas où le pantalon en jean est produit en Egypte, acheminé par bateau jusqu'au port de Gênes, puis par camion vers la région parisienne. Ce cas présentant des similitudes avec notre étude, une organisation similaire du trajet a été modélisée.

Les inventaires de cycle de vie utilisés pour cette étape sont décrits dans le tableau ci-après :

	Source de l'inventaire de cycle de vie	Nom du module
Transport maritime	Ecoivent v1.2	Transport, transoceanic freight ship/OCE S
Transport par camion		Transport, lorry 28t/CH S

Figure 24 : Inventaires de cycle de vie utilisés pour modéliser le transport des pantalons en jean de Tunisie en France

3.7.2. LAVAGE DU PANTALON EN JEAN

- Lavage en machine chez l'utilisateur
  - Modélisation de la lessive

Les seules données d'inventaire de cycle de vie de lessive disponibles proviennent d'une étude réalisée par Procter & Gamble[15] et concernent une lessive standard sans phosphates utilisée en Belgique.

L'étude fournit deux types de données exploitables pour recréer l'inventaire de cycle de vie d'une lessive :

- un tableau donnant la formulation de la lessive, avec le pourcentage de chaque ingrédient

- un tableau donnant un certain nombre de flux d'inventaire pour chaque étape du cycle de vie : production des matières premières, fabrication du détergent, utilisation, fin de vie, et emballage.

Le tableau ci-dessous présente la formulation de la lessive telle que présentée dans l'étude. Un module de production des matières premières a été créé à partir de ces données et des inventaires de cycles de vie disponibles dans la base de donnée Ecoinvent. 4 inventaires n'étaient pas disponibles, les parts correspondantes dans la formulation de la lessive ont été allouées aux autres ingrédients.

Composition d'une lessive Belge moyenne

Source: "A database for the LCA of P&G laundry detergents", E. Saouter and G. van Hoof, (saouter.e@pg.com), 2000, page 8

Ingredient	Part dans la formulation (initiale)		Inventaires utilisés (Ecoivent v1.2)	Part dans la formulation (modèle bio)
AE11-PO	2	%	Ethoxylated alcohols (AE11), palm oil, at plant/RER U	3%
AE7-pc	4	%	Ethoxylated alcohols (AE7), palm kernel oil, at plant/RER U	5%
LAS-pc	7.8	%	Alkylbenzene sulfonate, linear, petrochemical, at plant/RER U	8%
Citric acid	5.2	%	Acetic acid, 98% in H2O, at plant/RER U	6%
NA-Silicate powder	3	%	Layered sodium silicate, SKS-6, powder, at plant/RER U	4%
Zeolite	20.1	%	Zeolite, powder, at plant/RER U	21%
Sodium carbonate	17	%	Sodium percarbonate, powder, at plant/RER U	18%
Perborate mono hydrate	8.7	%	Sodium perborate, monohydrate, powder, at plant/RER U	9%
Perborate tetra hydrate	11.5	%	Sodium perborate, tetrahydrate, powder, at plant/RER U	12%
Antifoam S1,2-3522	0.5	%	Inventaire non disponible	
FWA DAS-1	0.2	%	Inventaire non disponible	
Polyacrylate	4	%	Inventaire non disponible	
Protease	1.4	%	Inventaire non disponible	
Sodium sulphate	0.4	%	Sodium sulphate, powder, production mix, at plant/RER U	1%
Water	14.2	%		15%

Figure 25 : Formulation d'une lessive belge moyenne

[15] "A database for the LCA of P&G laundry detergents", E. Saouter and G. van Hoof, 2000

Le tableau présentant les données d'inventaires de cycle de vie disponibles dans l'étude est présenté ci-dessous :

Inventaire d'une lessive Belge moyenne, pour 1000 lavages (100g de lessive par lavage)
Source: "A database for the LCA of P&G laundry detergents", E. Saouter and G. van Hoof, (saouter.e@pg.com), 2000, page 8

Flux	Unités	Production des matières premières	Fabrication	Fin de vie	Emballage
Energie primaire	GJ	2.78	0.25	0.26	0.07
Déchets solides	kg	12.6	0.73	1.24	69.29
Emissions dans l'air					
CO2	kg	125	13.3	16.2	2.21
CO2	g	67.8	6	2.08	1.57
Sox	g	707	69.6	48.1	24.00
Nox	g	390	32.9	20.4	9.16
CH4	g	228	0	107	3.17
CxHy	g	516	109	5.96	7.67
Particules	g	500	17.6	10.8	1.79
Métaux	g	1.48	0	0.48	0.09
Emissions dans l'eau					
BOD	g	117	4.9	8580	1.59
COD	g	175	10.1	20700	9.01
Total P	g	45.9	0	0.06	0.00
Total N	g	19.1	0	0.12	0.15
Solides	g	56.6	0	0	0.00
Huile /graisses	g	10.2	0	0.91	0.70
Phénol	g	0.17	0	0	0.00
Ammonium	g	1.09	0	0.07	0.40
Métaux	kg	0.1	0	14.2	0.00

Figure 26 : Inventaire de cycle de vie d'une lessive belge moyenne, pour 1000 lavages

Pour la production des matières premières, nous avons pu vérifier que les flux obtenus par création de l'inventaire de cycle de vie selon la méthode décrite plus haut sont du même ordre de grandeur que ceux présentés dans le tableau.

Les flux d'inventaire de cycle de vie pour la fabrication, la fin de vie et le cycle de vie de l'emballage ont été ajoutés à l'inventaire de production des matières premières pour compléter l'inventaire de cycle de vie de la lessive. L'étape d'utilisation a été modélisée dans un second temps (consommation électrique du lave-linge, voir plus loin).

Remarque : pour la fin de vie, l'inventaire de cycle de vie a été modifié pour les raisons décrites ci-dessous.

La lessive modélisée dans l'étude P&G est représentative d'une utilisation en Belgique, où les parts de foyers connectés à différents types de traitements de l'eau diffèrent fortement avec la France :

- Foyers non connectés : B : 37% Fr : 0%

- Foyers connectés à un traitement primaire : B : 30% Fr : 35%

- Foyers connectés à un traitement secondaire : B : 30% Fr : 62%

- Foyers connectés à un traitement tertiaire : B : 3% Fr : 3%

Soit un total de 63% des foyers connectés en Belgique, contre 100% en France. Ainsi les rejets dans l'eau dans l'étude P&G sont majorés par rapport à une situation française, de 60% au maximum en considérant un taux d'abattement moyen de 80%.

De manière à éviter ce biais, les valeurs d'émissions dans l'eau à l'étape « fin de vie de la lessive » présentées à la figure 24 ont été multipliées par 0.4 (soit 0.2/(0.2*0.63+0.37)).

Modélisation du lave-linge

Le lave-linge considéré dans la présente étude est de catégorie C, selon son étiquette énergie. Cela est représentatif du parc actuel des lave-linge en France, même si le flux des ventes montre plutôt une tendance à l'achat d'appareils de classe A à B[16].

On considère dans le scénario de référence un lavage à 40°C.

Données et inventaires de cycle de vie utilisés

Le tableau ci-dessous récapitule les données utilisées pour l'étape de lavage en machine :

Lavage en lave-linge	à 40°C	à 60°C
Consommation d'électricité d'un classe A (kWh/cycle)	0.56	0.94
Consommation d'électricité d'un classe B (kWh/cycle)	0.67	1.12
Consommation d'électricité d'un classe C (kWh/cycle)	0.74	1.23
Consommation d'électricité d'un classe D (kWh/cycle)	0.79	1.34

Source: National Energy Fondation, UK.

Quantité de lessive ordinaire par cycle (g/cycle)	108

Source: Life Cycle Assessment of Disposable and Reusable Nappies in the UK. Environment Agency Mai 2005

Consommation d'eau par cycle (L/kg)	9.7

Source: Eco-Efficiency Analysis of Washing Machines: Life Cycle Assessment and Determination of Optimal Life Span, I. Rüdenauer et al, Öko-Institut pour Bosch et Electrolux, 2004

Charge moyenne d'une machine (kg/cycle)	5

Source: Eco-Efficiency Analysis of Washing Machines: Life Cycle Assessment and Determination of Optimal Life Span, I. Rüdenauer et al, Öko-Institut pour Bosch et Electrolux, 2004

Figure 27 : Données utilisées pour modéliser le lavage en lave-linge

Les inventaires de cycle de vie utilisés pour cette étape sont décrits dans le tableau ci-après :

	Source de l'inventaire de cycle de vie	**Nom du module**
Production d'électricité en France	EcoInvent v1.2	Electricity, low voltage, at grid/FR S
Production et utilisation de lessive		Cf ci-dessus

Figure 28: Inventaires de cycle de vie utilisés pour modéliser le lavage en machine

- Modélisation du nettoyage en pressing (analyse de sensibilité)

Le nettoyage au pressing est pratiqué pour les jeans onéreux, qui risqueraient de s'abîmer lors d'un nettoyage à l'eau (source : OBER).

Les données suivantes ont été utilisées pour modéliser le nettoyage en pressing :

[16] source: Ademe 2006

Pressing

Consommation d'électricité (kWh/kg)	2,3
Consommation d'eau (L/kg)	21
Perchloroethylene (L/kg)	0,0125
Emissions COV (g/kg)	10

Sources: Centre Technique de la Teinture et du Nettoyage www.cttn-iren.com
Société Française de chimie - http://www.sfc.fr/Donnees/mine/soch/texsoch.htm

Figure 29 : Données utilisées pour modéliser le nettoyage en pressing

Les inventaires de cycle de vie suivants ont été utilisés :

	Source de l'inventaire de cycle de vie	Nom du module
Production d'électricité en France	Ecoivent v1.2	Electricity, low voltage, at grid/FR S
Production du perchloroethylene		Tetrachloroethylene, at plant/WEU S

Figure 30: Inventaires de cycle de vie utilisés pour modéliser le nettoyage en pressing

3.7.3. UTILISATION D'UN SECHE-LINGE (ANALYSE DE SENSIBILITE) ET REPASSAGE (SCENARIO DE REFERENCE)

Les données utilisées pour modéliser l'utilisation d'un sèche-linge et d'un fer à repasser sont présentées dans le tableau ci-dessous :

Sèche-linge

Conso électricité sèche-linge (kWh/kg coton)	0.75

Source: Life Cycle Assessment of Disposable and Reusable Nappies in the UK. Environment Agency Mai 2005

Repassage

Puissance fer à repasser (kW)	1.9
Temps de repassage d'un jean (h)	0.05
Consommation électricité repassage (kWh/jean)	0.10

Source: Life Cycle Assessment of Disposable and Reusable Nappies in the UK. Environment Agency Mai 2005

Figure 31: Données utilisées pour modéliser l'utilisation de sèche-linge et le repassage

L'inventaire de cycle de vie de la production d'électricité française présenté ci-dessus a été utilisé pour modéliser cette étape.

3.8. FIN DE VIE DU PANTALON EN JEAN

3.8.1. FIN DE VIE AVEC LES ORDURES MENAGERES

On considère dans le scénario de référence que le pantalon en jean usagé est jeté 50% du temps avec les ordures ménagères.

Les données utilisées pour modéliser la fin de vie avec les OM sont présentées dans le tableau ci-dessous :

Fin de vie OM

Distance de collecte bennes OM (km/t)	10.00

Source: Déchets ménagers: leviers d'améliorations des impacts environnementaux, Ademe et Eco-Emballages, 2001

Conso elec centre transfert (kWh/t)	15.00

Source: Hypothèse BIO d'après Wisard 4.0

Incinération avec récupération d'énergie (%)	48%
Incinération sans récupération d'énergie (%)	4%
Stockage (%)	48%

Source: Enquête Ademe Itom 2002, en répartissant de façon pondérée la quantité d'OM partant en tri, compostage et méthanisation dans les filières d'incinération et de stockage

Figure 32: Données utilisées pour modéliser la fin de vie avec les OM

Les inventaires de cycle de vie des bennes de collecte, et les modules d'incinération avec ou sans récupération d'énergie et de stockage ont été extraits du logiciel Wisard 4.0. Les modules suivants ont été choisis :

- Benne de collecte diesel semi-urbain

- Incinération avec valorisation énergétique : 'UIOM 24/02/97 -1/2 hum- cogénération moyenne (32% rdt)'

- Incinération sans valorisation énergétique : 'UIOM - 30 kt/an - sec - sans valorisation énergétique'

- Stockage : 'CET couvert'

Un module spécifique a été créé pour représenter le déchet « pantalon en jean ». Les paramètres suivants ont été choisis :

Module déchet "Pantalon en jean"

Production de biogaz (kg/kg)	0.35
Humidité (%)	23.50
PCI sec (MJ/kg)	19.46
Composition massique (% sur sec):	
Carbone biomasse	43
Hydrogène	6
Oxygène	47
Matières minérales	4

Les paramètres de production de biogaz, taux d'humidité et PCI ont été gardés identiques à ceux du module « Textiles » présent dans le logiciel. La composition massique a été modélisée à partir de la formule de la cellulose $(C_6H_{10}O_5)_n$, en tenant compte du fait que le coton est composé à 96% de cellulose[17]. Les 4% restants ont été modélisés par des matières minérales.

3.8.2. FIN DE VIE EN FILIERE DE REEMPLOI

On considère dans le scénario de référence que le pantalon en jean usagé est réorienté 50% du temps dans des filières de réemploi –ce terme pouvant couvrir une revente directe du pantalon à un autre utilisateur. On considère que le réemploi se fait en France, par un utilisateur ayant le même comportement d'utilisation que le précédent.

[17] Source: Integrated Pollution Prevention and Control (IPPC). Reference Document on Best Available Techniques for the Textiles Industry. July 2003.

La fin de vie du pantalon en jean en filière de réemploi signifie en réalité un allongement de sa durée de vie avant son élimination. On considère que celle-ci est doublée, passant de 4 à 8 ans.

La durée de vie moyenne du pantalon en jean dans le scénario de référence est donc de 6 ans.

4. Résultats

4.1. RESULTATS POUR LE SCENARIO DE REFERENCE

4.1.1. RESULTATS POUR L'ENSEMBLE DU CYCLE DE VIE

Le tableau ci-dessous présente les résultats pour l'ensemble du cycle de vie, en valeurs absolues, et en équivalents habitants. Les valeurs de normation utilisées sont présentées en Annexe 1.

Indicateurs	Unités	**Résultats en valeurs absolues**	**Résultats en 100 000ème eq. Hab**
Déplétion des ressources naturelles	kg Sb eq	3,30E-04	8,26
Consommation d'eau	m3	1,75E-02	31,34
Consommation d'énergie primaire	MJ primary	1,49E+00	8,32
Réchauffement climatique (GWP100)	kg CO2 eq	4,41E-02	3,40
Acidification de l'air	kg SO2 eq	1,96E-04	2,66
Oxydation photochimique	kg C2H4 eq	1,37E-04	6,18
Déplétion de la couche d'ozone	kg CFC-11 eq	4,20E-09	0,02
Eutrophisation	kg PO4--- eq	4,32E-05	1,29
Toxicité humaine	kg 1,4-DB eq	3,12E-02	1,53
Ecotoxicité aquatique (eaux douces)	kg 1,4-DB eq	5,07E-02	37,36
Ecotoxicité sédimentaire (eaux douces)	kg 1,4-DB eq	1,92E-02	13,76
Ecotoxicité terrestre	kg 1,4-DB eq	7,49E-04	5,89
Déchets solides	kg	6,06E-03	16,59

Figure 33 : Résultats de l'analyse pour l'ensemble du cycle de vie

Remarque : l'indicateur « Déchets solides » comprend les pertes lors de la filature du coton, les déchets liés au cycle de vie de la lessive (poudre de lavage et emballage) et le pantalon en jean usagé.

Le tableau ci-dessous présente les résultats de l'analyse de cycle de vie du pantalon en jean pour le scénario de référence, pour chaque étape :

Indicateurs	Unités	Production du coton	Filature	Tissage	Ennoblissement
Déplétion des ressources naturelles	kg Sb eq	3,95E-05	3,63E-05	8,02E-05	3,06E-05
Consommation d'eau	m3	1,52E-02	0,00E+00	1,89E-04	0,00E+00
Consommation d'énergie primaire	MJ primary	8,95E-02	8,08E-02	1,79E-01	6,67E-02
Réchauffement climatique (GWP100)	kg CO2 eq	6,62E-03	3,99E-03	9,83E-03	3,74E-03
Acidification de l'air	kg SO2 eq	4,16E-05	1,07E-05	2,38E-05	7,92E-06
Oxydation photochimique	kg C2H4 eq	4,63E-05	6,84E-06	1,51E-05	5,15E-06
Déplétion de la couche d'ozone	kg CFC-11 eq	6,90E-10	5,51E-10	1,19E-09	4,62E-10
Eutrophisation	kg PO4--- eq	1,05E-05	1,02E-06	3,07E-06	8,67E-06
Toxicité humaine	kg 1,4-DB eq	2,68E-03	8,82E-04	1,97E-03	7,35E-04
Ecotoxicité aquatique (eaux douces)	kg 1,4-DB eq	4,57E-02	6,81E-05	4,81E-04	2,23E-04
Ecotoxicité sédimentaire (eaux douces)	kg 1,4-DB eq	6,24E-03	2,02E-04	5,02E-04	6,02E-04
Ecotoxicité terrestre	kg 1,4-DB eq	3,11E-05	9,22E-06	3,34E-05	6,40E-06
Déchets solides	kg	0,00E+00	2,14E-04	0,00E+00	0,00E+00

Indicateurs	Unités	Confection	Traitement du jean	Utilisation	Fin de vie
Déplétion des ressources naturelles	kg Sb eq	6,97E-06	1,11E-05	1,25E-04	2,28E-08
Consommation d'eau	m3	0,00E+00	1,61E-04	1,99E-03	0,00E+00
Consommation d'énergie primaire	MJ primary	1,65E-02	2,42E-02	1,04E+00	-8,82E-03
Réchauffement climatique (GWP100)	kg CO2 eq	6,97E-04	1,35E-03	1,76E-02	2,89E-04
Acidification de l'air	kg SO2 eq	7,81E-06	2,96E-06	1,00E-04	7,71E-07
Oxydation photochimique	kg C2H4 eq	3,30E-06	1,96E-06	5,44E-05	3,88E-06
Déplétion de la couche d'ozone	kg CFC-11 eq	5,12E-11	1,88E-10	1,15E-09	-8,11E-11
Eutrophisation	kg PO4--- eq	8,37E-07	2,64E-07	1,83E-05	5,38E-07
Toxicité humaine	kg 1,4-DB eq	5,64E-03	2,52E-04	1,89E-02	1,38E-04
Ecotoxicité aquatique (eaux douces)	kg 1,4-DB eq	3,86E-04	1,31E-05	3,83E-03	-6,16E-06
Ecotoxicité sédimentaire (eaux douces)	kg 1,4-DB eq	1,19E-03	4,60E-05	1,04E-02	1,31E-06
Ecotoxicité terrestre	kg 1,4-DB eq	2,00E-05	2,28E-06	6,25E-04	2,16E-05
Déchets solides	kg	0,00E+00	0,00E+00	3,71E-03	2,13E-03

Figure 34: Résultats de l'analyse de cycle de vie pour chaque étape

Les résultats pour chaque indicateur d'impact potentiel sur l'environnement sont détaillés dans le chapitre suivant.

4.1.2. RESULTATS PAR INDICATEUR D'IMPACT POTENTIEL SUR L'ENVIRONNEMENT

- Déplétion des ressources non renouvelables

Le graphe ci-dessous présente les résultats pour l'indicateur de déplétion des ressources non renouvelables.

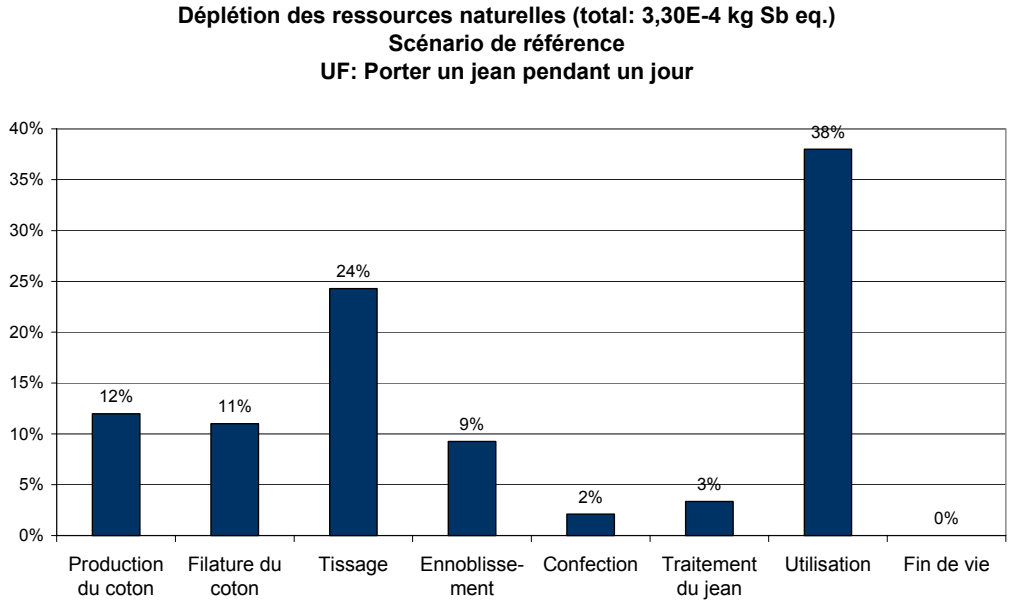


Figure 35 : Résultats de l'analyse pour l'indicateur de déplétion des ressources non renouvelables

L'étape d'**utilisation** du pantalon en jean est responsable de 38% de l'impact potentiel de déplétion des ressources non renouvelables. Cela est dû à la **consommation de ressources fossiles** (charbon, gaz, fuel) **pour la production d'électricité** liée d'une part à la production des matières premières de la lessive (24% de l'impact potentiel total), et d'autre part à l'utilisation du lave-linge (7% de l'impact total) et du fer à repasser (6% de l'impact total).

Les étapes de filature du coton et de tissage sont responsables respectivement de 11 et 24% de l'impact potentiel total. Cela est aussi dû majoritairement à la **consommation de ressources fossiles pour la production d'électricité.**

La culture intensive du coton participe à hauteur de 12% à l'impact potentiel de déplétion des ressources abiotiques. Cela est dû aux transports du coton (4% de l'impact total), à la consommation de diesel des machines (3%), la consommation de ressources fossiles pour la production d'électricité (2%) et la production d'engrais N (2%).

- Consommation d'eau

Le graphe ci-dessous présente les résultats pour la consommation d'eau :

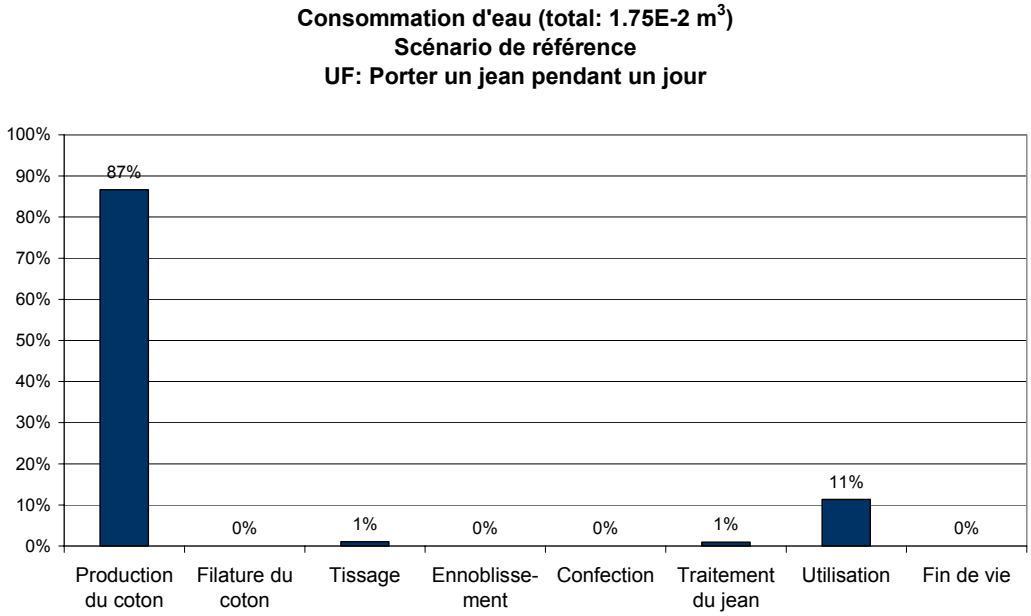


Figure 36 : Résultats de l'analyse pour l'indicateur de consommation d'eau

Remarque : seules les consommations d'eau liées directement au cycle de vie du pantalon en jean ont été prises en compte dans cet indicateur, à savoir l'irrigation pour la culture du coton et la consommation d'eau due aux différents traitements et lavages du pantalon en jean. Les consommations indirectes, par exemple l'eau utilisée pour la production d'électricité hydraulique, ne sont pas prises en compte.

L'irrigation du coton est responsable de 87% de la consommation d'eau (20L par UF), et le **lavage en machine** lors de l'utilisation contribue à hauteur de 11% (2L par UF).

- Consommation d'énergie primaire

Le graphe ci-dessous présente les résultats pour la consommation d'énergie primaire :

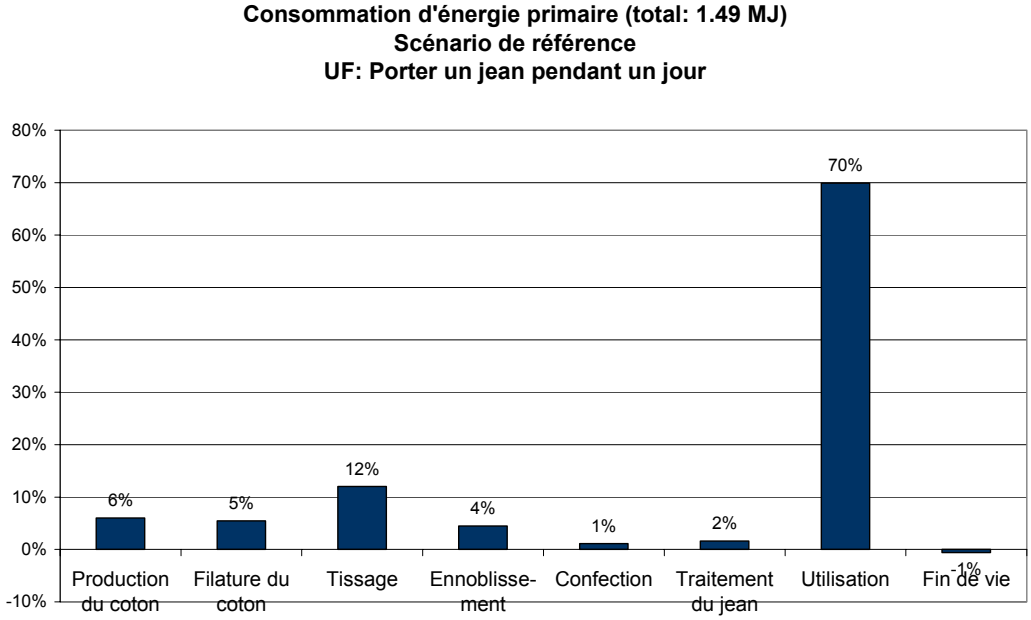


Figure 37: Résultats de l'analyse pour l'indicateur de consommation d'énergie primaire

L'étape d'**utilisation du pantalon en jean** est responsable de 70% de l'impact potentiel, à cause de la consommation d'électricité du lave-linge et du fer à repasser et pour la production de la lessive.

L'étape de **tissage** contribue à 12% des impacts, à cause de la consommation d'énergie du process.

La consommation de carburant lors des transports du coton, la consommation d'énergie des machines et la consommation d'électricité pour la production de l'engrais N font que l'étape de **culture du coton** contribue à hauteur de 6%.

L'étape de **filature du coton** contribue à hauteur de 5% aux impacts potentiels d'oxydation photochimique, à cause de la consommation d'électricité des machines.

L'étape de **fin de vie** représente un bénéfice environnemental de 0.01 MJ par UF. Cela est dû à l'incinération avec récupération d'énergie du pantalon en jean.

De façon générale, l'énergie primaire non renouvelable représente 95% de la consommation d'énergie primaire totale. En effet, dans cette étude, seules des sources d'énergie classique interviennent : électricité, gaz, pétrole pour les carburants... De fait, l'indicateur d'énergie primaire total reflète l'épuisement des ressources naturelles énergétiques.

- Changement climatique

Le graphe ci-dessous présente les résultats pour l'indicateur de changement climatique.

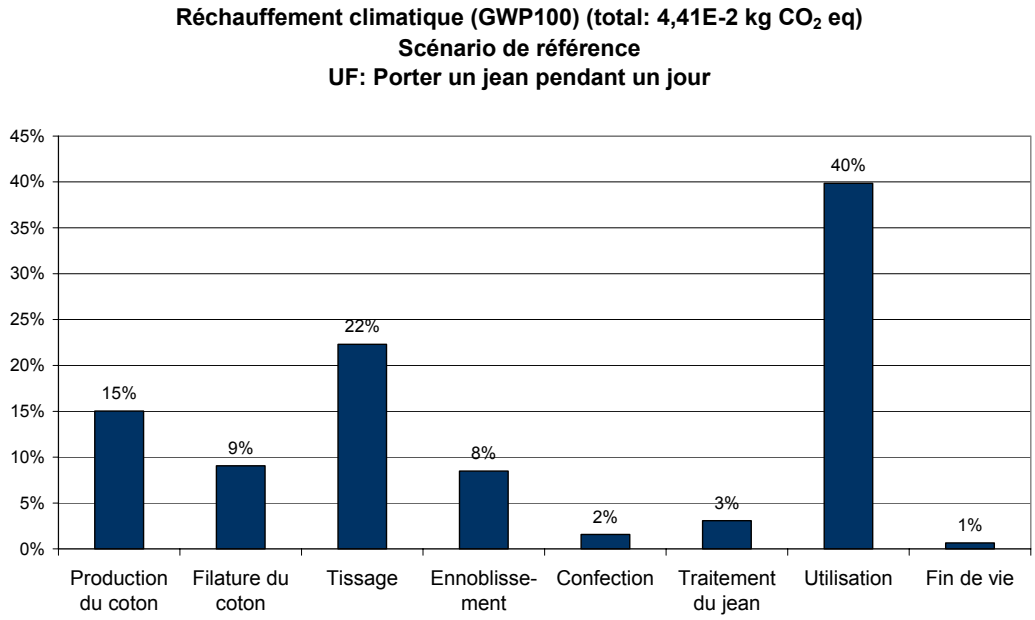


Figure 38: Résultats de l'analyse pour l'indicateur de réchauffement climatique

La répartition des émissions de gaz à effet de serre à chaque étape du cycle de vie suit un schéma similaire à celui de l'indicateur de déplétion des ressources abiotiques.

L'étape d'**utilisation** du pantalon en jean est responsable de 40% de l'impact potentiel de réchauffement climatique. De même que pour la déplétion des ressources abiotiques, cela est dû aux émissions de CO_2 liées à la **consommation de ressources fossiles** (charbon, gaz, fuel) **pour la production d'électricité** pour d'une part la production des matières premières de la lessive (24% de l'impact potentiel total), et d'autre part l'utilisation du lave-linge (8% de l'impact total) et du fer à repasser (7% de l'impact).

La **production du coton** participe à hauteur de 15% au potentiel de réchauffement climatique. Cela est dû notamment aux émissions de CO_2 dans l'air lors des transports du coton (5% de l'impact total) aux émissions de N_2O lors de la production d'engrais N (4%), à la consommation de diesel des machines (4%) et à la consommation de ressources fossiles pour la production d'électricité (2%).

Les étapes de filature du coton et de tissage sont responsables respectivement de 9 et 22% de l'impact potentiel total. Cela est aussi dû majoritairement aux émissions de CO_2 liées à la **consommation de ressources fossiles pour la production d'électricité.**

- Acidification de l'air

Le graphe ci-dessous présente les résultats pour l'indicateur d'acidification de l'air :

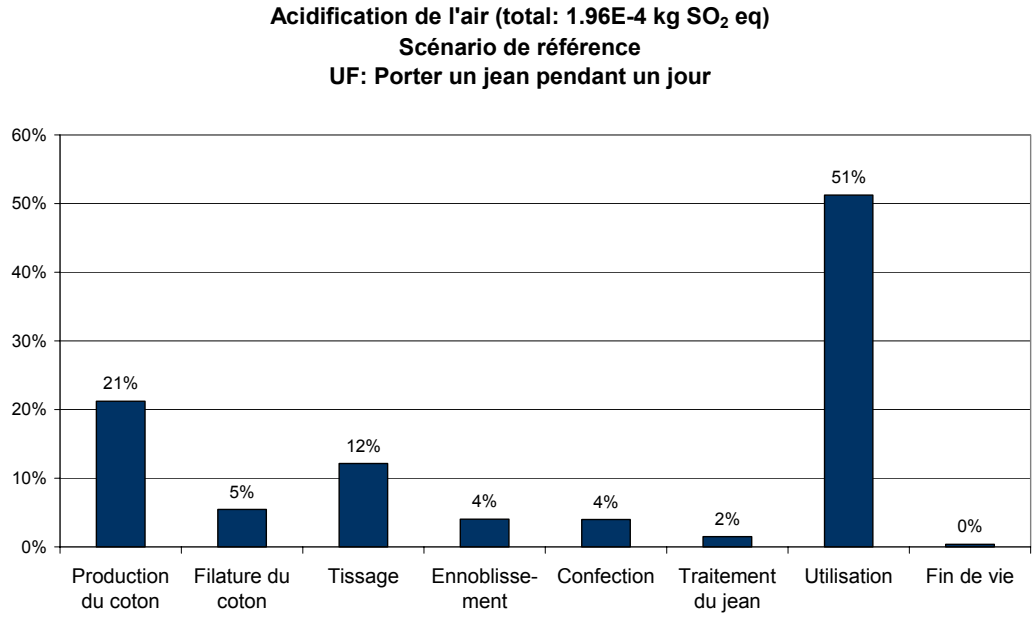


Figure 39 : Résultats de l'analyse pour l'indicateur d'acidification de l'air

L'étape d'**utilisation du pantalon en jean** est responsable de 51% de l'impact potentiel. Cela est dû principalement aux **émissions de SOx** dans l'air lors de la production d'électricité consommée par le lave-linge et lors de la production des matières premières de la lessive.

L'étape de **culture du coton** contribue à hauteur de 21% aux impacts potentiels d'acidification de l'air. Les principaux contributeurs sont les émissions de NOx et de SOx lors du transport du coton (9% de l'impact total), de NOx lors de la combustion du diesel utilisé par les machines agricoles (7%), les émissions d'ammoniaque, de NOx et de SOx dans l'air lors de la production de l'engrais N (3%), et les émissions de SOx liées à la consommation d'électricité des machines (2%).

L'étape de **tissage** contribue à 12% des impacts. Cela est aussi principalement dû aux émissions SOx lors de la production d'électricité.

L'étape de **filature du coton** est responsable de 5% des impacts, à cause des émissions de SOx lors de la production d'électricité.

- Pollution photochimique de l'air

Le graphe ci-dessous présente les résultats pour l'indicateur d'oxydation photochimique :

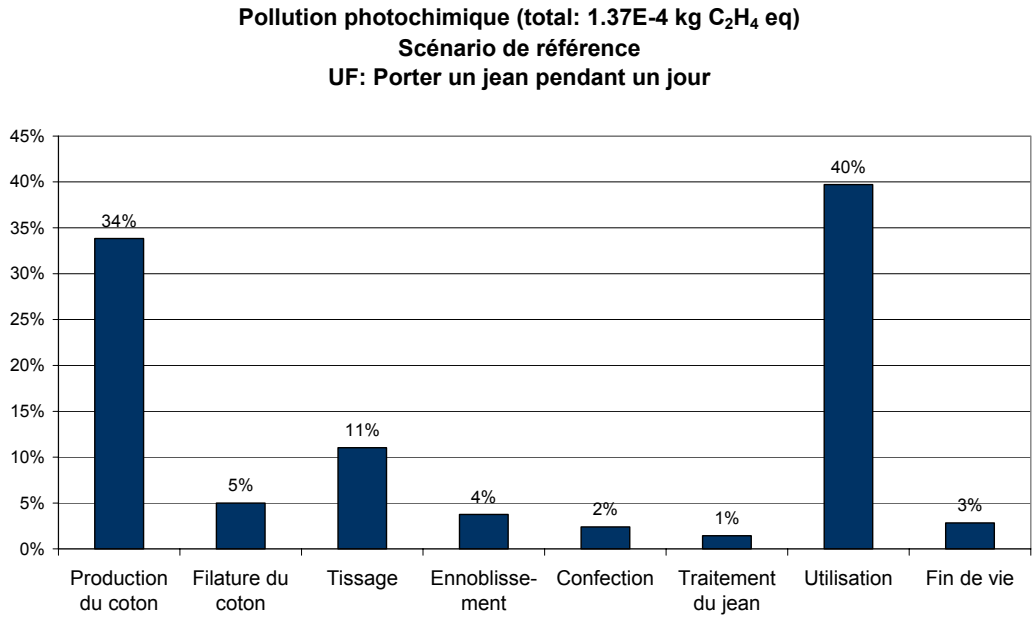


Figure 40: Résultats de l'analyse pour l'indicateur d'oxydation photochimique

L'étape d'**utilisation du pantalon en jean** est responsable de 40% de l'impact potentiel. Cela est dû principalement aux **émissions de NOx** dans l'air lors de la production d'électricité consommée par le lave-linge et lors de la production des matières premières de la lessive, notamment des zéolites.

L'étape de **culture du coton** contribue à hauteur de 34% aux impacts potentiels d'oxydation photochimique. Les principaux contributeurs sont les émissions de NOx lors des transports et de la combustion du diesel utilisé par les machines agricoles.

L'étape de **tissage** contribue à 11% des impacts. Cela est aussi principalement dû aux émissions de NOx liées à la production d'électricité.

L'étape de **filature du coton** est responsable de 5% des impacts, à cause des émissions de NOx liées à la production d'électricité.

- Déplétion de la couche d'ozone

Le graphe ci-dessous présente les résultats pour l'indicateur de déplétion de la couche d'ozone.

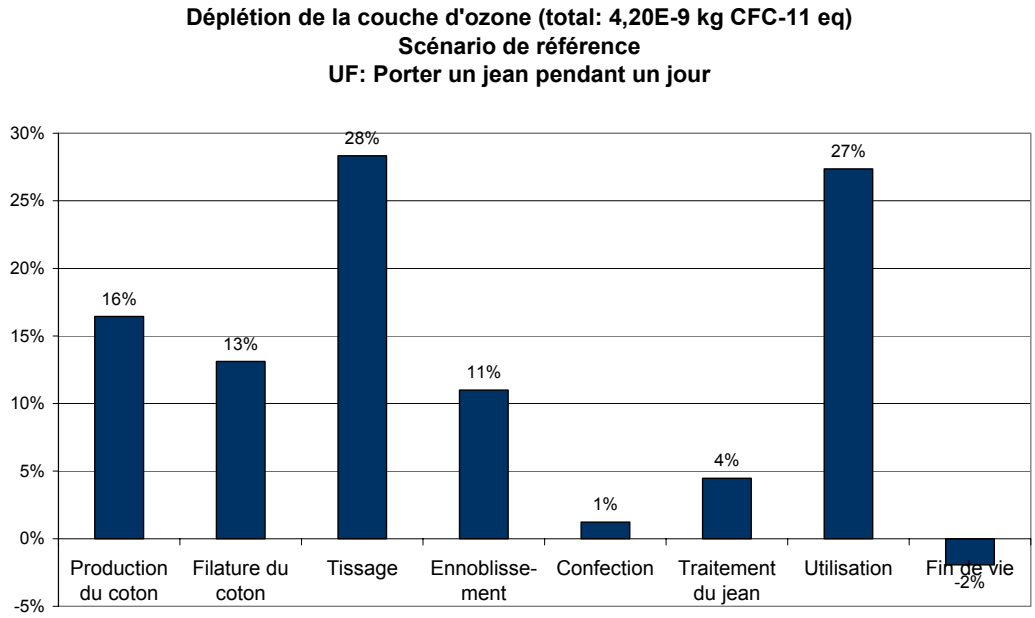


Figure 41: Résultats de l'analyse pour l'indicateur de déplétion de la couche d'ozone

La répartition des émissions ayant un impact potentiel sur la couche d'ozone à chaque étape du cycle de vie suit un schéma similaire à ceux de l'indicateur de déplétion des ressources abiotiques et de réchauffement climatique.

L'étape de **tissage** de la toile est responsable de 28% de l'impact potentiel de déplétion de la couche d'ozone. Cela est dû à l'utilisation de **Halon** dans le matériel anti-incendie des **plateformes pétrolières** [18]. Ceci se retrouve de manière indirecte dans la consommation d'électricité.

L'étape d'**utilisation** du pantalon en jean est responsable de 27% de l'impact potentiel de déplétion de la couche d'ozone. De même, cela vient de l'utilisation de Halon sur les plateformes pétrolières, ce qui se retrouve dans la consommation de ressources fossiles servant à la production de l'électricité consommée pour la production de la lessive et l'utilisation du lave-linge et du fer à repasser.

La **culture intensive du coton** participe à hauteur de 16%. Les émissions de Halon se retrouvent principalement dans la consommation de carburant des bateaux, camions et train transportant la fibre brute, et dans la consommation de diesel des machines agricoles.

Les étapes de filature du coton et d'ennoblissement sont responsables respectivement de 13% et 11%de l'impact potentiel total. Le Halon est là aussi le principal responsable de l'impact potentiel.

[18] D'après Life Cycle Data for Norwegian Oil and Gas, K. Bakkane, 1994

- Eutrophisation des eaux

Le graphe ci-dessous présente les résultats pour l'indicateur d'eutrophisation des eaux :

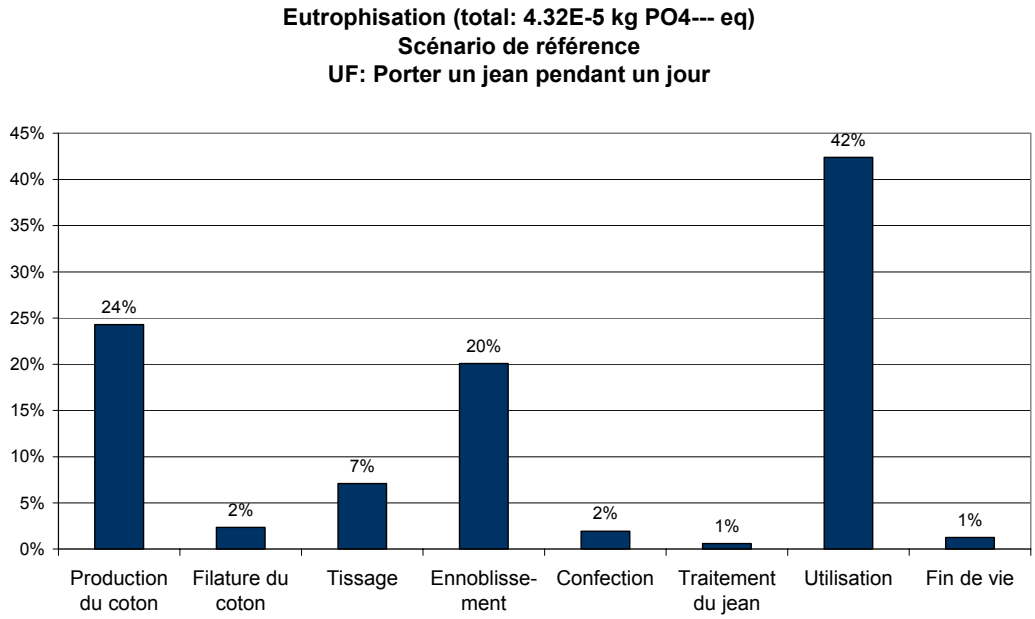


Figure 42 : Résultats de l'analyse pour l'indicateur d'eutrophisation des eaux

L'étape d'**utilisation du pantalon en jean** est responsable de 42% de l'impact potentiel. Cela est dû principalement à la DCO des effluents aqueux liés à l'utilisation de lessive.

L'étape de **culture du coton** contribue à hauteur de 24% aux impacts potentiels d'eutrophisation, à cause de la lixiviation des engrais dans les sols et les émissions de NOx dans l'air liées à la combustion du carburant par les machines agricoles et les véhicules de transport du coton.

L'étape d'**ennoblissement** contribue à 20% des impacts, à cause des rejets de N et de P dans l'eau et la DCO des effluents aqueux du process.

L'étape de **tissage** contribue à hauteur de 7% à l'impact potentiel total en termes d'eutrophisation des eaux. Cela est dû notamment aux émissions de NOx dans l'air lors de la production d'électricité et aux émissions de nitrates dans l'eau liées à la production de l'amidon (culture de la pomme de terre).

- Toxicité humaine

Le graphe ci-dessous présente les résultats pour l'indicateur de toxicité humaine :

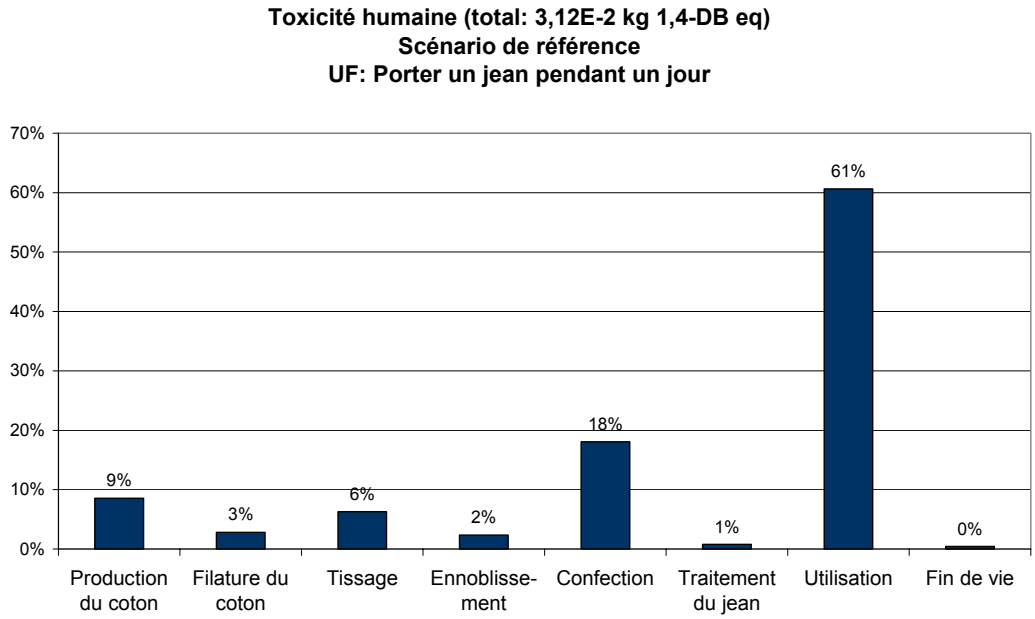


Figure 43 : Résultats de l'analyse pour l'indicateur de toxicité humaine

L'étape d'**utilisation** du pantalon en jean est responsable de 61% de l'impact potentiel de toxicité humaine :

- l'utilisation de **lessive** contribue à hauteur de 30% de l'impact total. Les **émissions de sodium dichromate** dans l'air lors de la production du sodium percarbonate (18% de la formulation de la lessive) sont les principales responsables de cet impact. Les **émissions de dioxines** dans l'air lors de la production des zéolites jouent aussi un rôle significatif.

- les consommations d'**électricité** du lave-linge et du fer à repasser contribuent respectivement à hauteur de 15% et 14%. Les **émissions d'arsenic et de dioxines** dans l'air lors de la production sont les principaux contributeurs à l'impact potentiel.

L'étape de **confection** est responsable de 18% de l'impact potentiel total de déplétion de la couche d'ozone. Cela est dû aux émissions de chrome VI, de cuivre, de nickel et d'arsenic dans l'air lors de la **production des métaux utilisés pour les rivets et les boutons**.

La **production du coton** intervient à hauteur de 9%. Les plus importants contributeurs à cette étape sont les émissions atmosphériques de dioxines lors de la combustion de carburant pendant les transports du coton (4% de l'impact total).

Le tissage participe à hauteur de 6%. Cela est dû majoritairement aux émissions de dioxines et de PAH dans l'air lors de la production d'électricité en Tunisie.

- Ecotoxicité aquatique (eaux douces)

Le graphe ci-dessous présente les résultats pour l'indicateur d'écotoxicité aquatique :

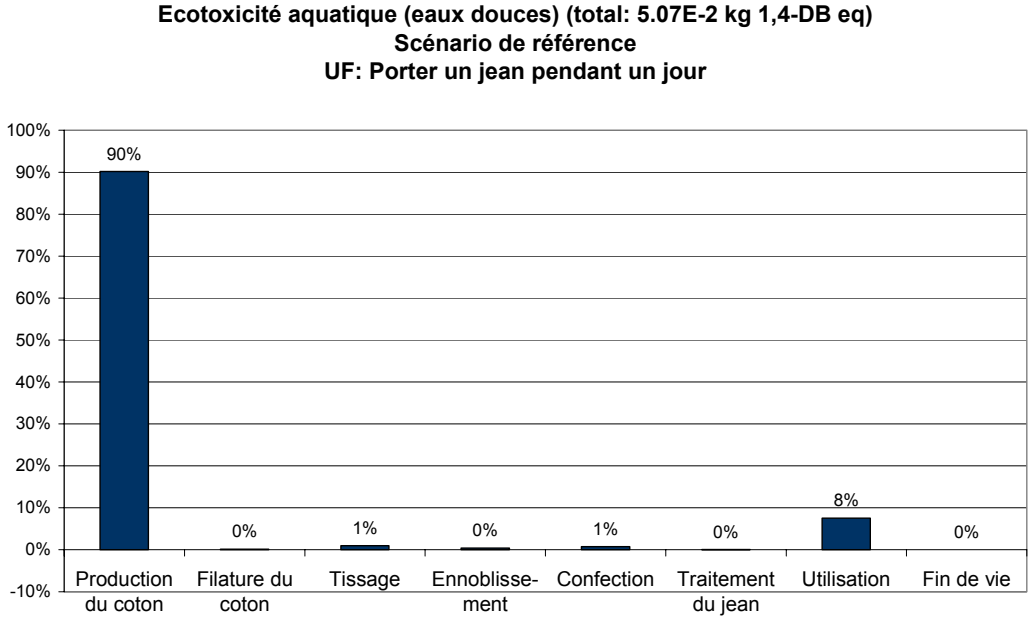


Figure 44 : Résultats de l'analyse pour l'indicateur d'écotoxicité aquatique

L'étape de **production du coton** est responsable de 90% de l'impact potentiel.

Cela est dû en quasi-totalité aux émissions d'insecticide et d'herbicide dans l'eau lors de l'épandage.

- Ecotoxicité sédimentaire (eaux douces)

Le graphe ci-dessous présente les résultats pour l'indicateur d'écotoxicité sédimentaire :

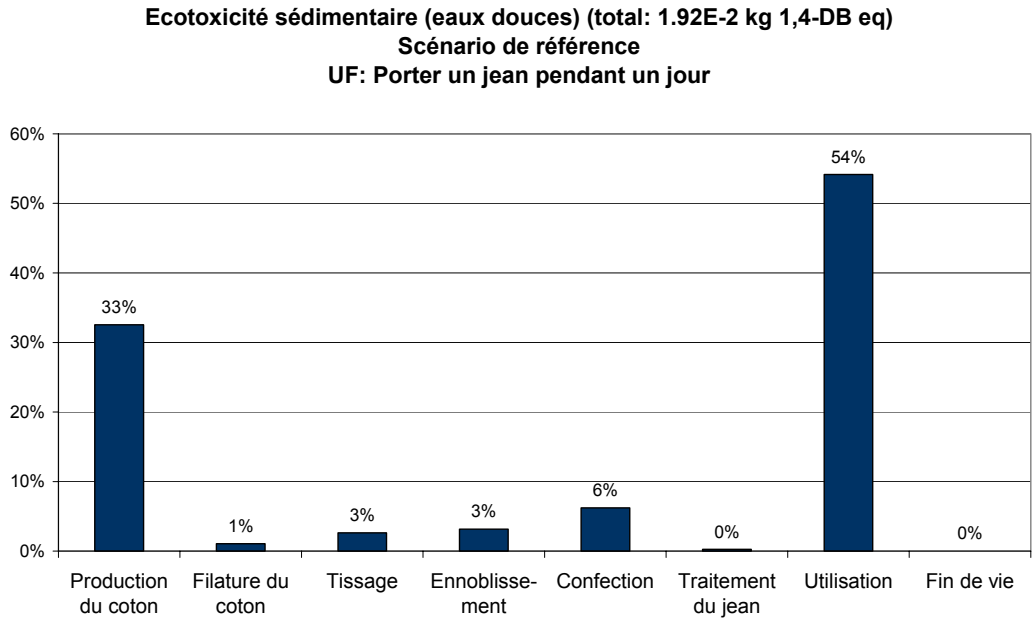


Figure 45: Résultats de l'analyse pour l'indicateur d'écotoxicité sédimentaire

L'étape d'**utilisation** est responsable de 54% de l'impact potentiel. Cela est dû principalement aux émissions de vanadium dans l'eau lors de la production des zéolites de la lessive.

L'étape de **production du coton** est responsable de 33% de l'impact potentiel.

Cela est dû en quasi-totalité aux émissions dans l'eau et les sols d'insecticide (14% de l'impact total), d'herbicide (11%), de défoliant (4%) lors de l'épandage, et aux émissions de métaux dans l'eau dues à l'utilisation d'engrais N.

- Ecotoxicité terrestre

Le graphe ci-dessous présente les résultats pour l'indicateur d'écotoxicité terrestre :

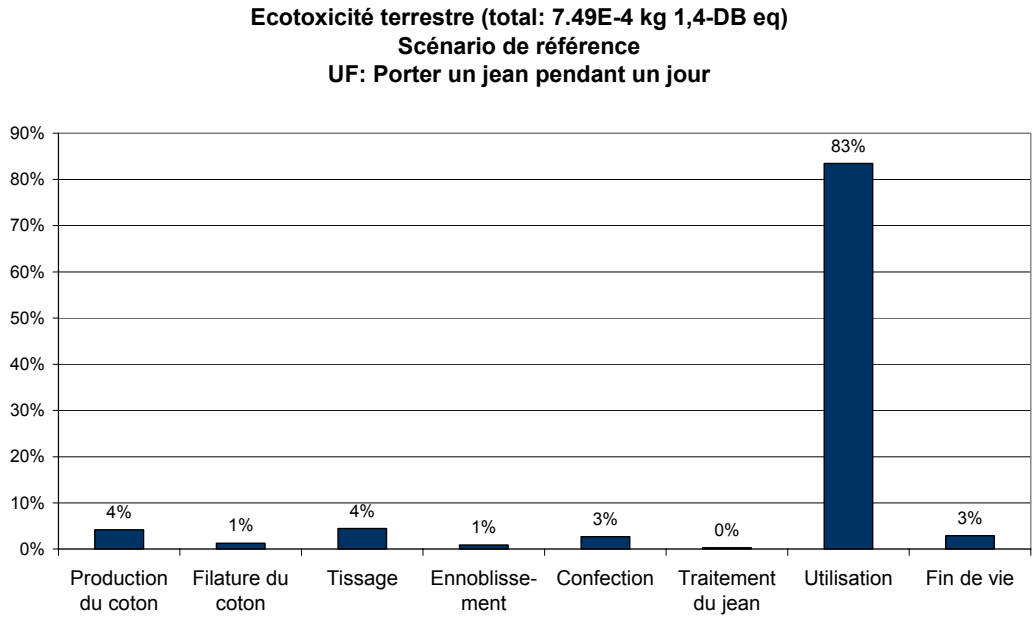


Figure 46 : Résultats de l'analyse pour l'indicateur d'écotoxicité terrestre

L'étape d'**utilisation du pantalon en jean** est responsable de 83% de l'impact potentiel. Cela est dû principalement aux émissions de chrome VI dans les sols lors de la **production d'électricité** consommée par le lave-linge et le fer à repasser.

L'étape de **tissage** contribue à hauteur de 4% aux impacts potentiels d'écotoxicité terrestre. Cela est dû principalement aux émissions de vanadium dans l'air lors de la production d'électricité, et aux émissions de Dinoseb (pesticide) dans le sol lors de la culture de la pomme de terre pour la production de l'amidon.

L'étape de **production du coton** contribue à hauteur de 4% des impacts sur le cycle de vie total.

- Déchets solides

Le graphe ci-dessous présente les résultats pour l'indicateur de production de déchets solides :

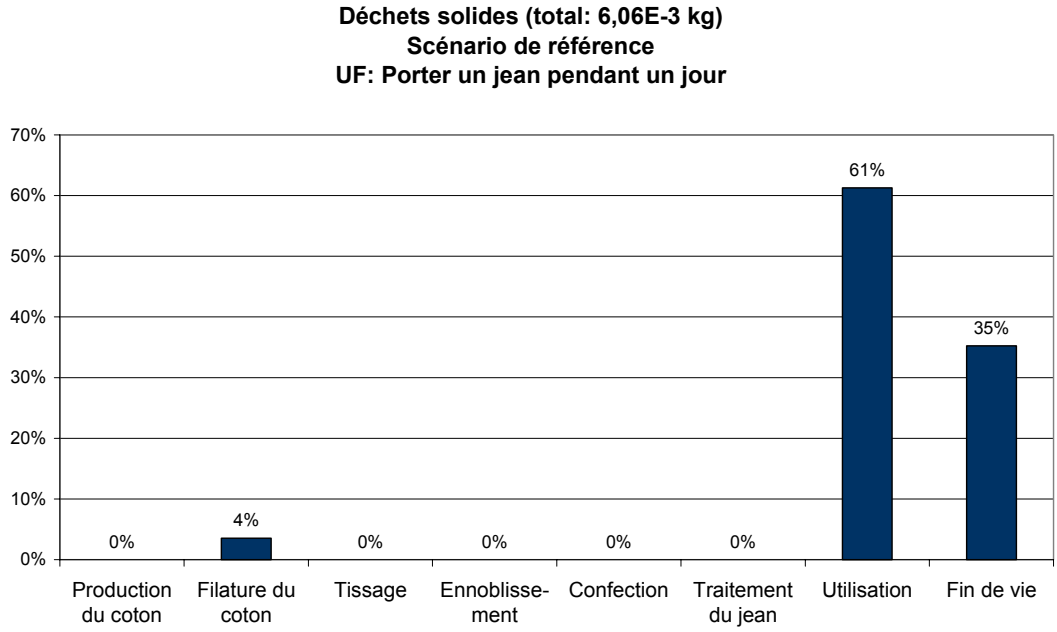


Figure 47 : Résultats de l'analyse pour l'indicateur de production de déchets solides

L'étape d'**utilisation du pantalon en jean** est responsable de 61% de la production de déchets solides. Cela correspond aux déchets liés au cycle de vie de la poudre de lessive, notamment de son emballage (déchets lors de la production des matières premières, de la fabrication et de l'utilisation, cf 3.7.2.

L'étape de **fin de vie** correspond à hauteur de 35%. Cela correspond au pantalon en jean usagé.

L'étape de **filature du coton** contribue à 4% des impacts. Il s'agit des 10% de pertes de coton brut lors de la filature.

Remarque : les résultats pour cet indicateur sont probablement sous-évalués, car certains déchets n'ont pu être pris en compte : la fibre de coton, les bobines de fils, les emballages des différents produits chimiques utilisés lors de la production du pantalon en jean, et les emballages du pantalon en jean lors de son transport final.

4.2. CONCLUSION SUR LE SCENARIO DE REFERENCE

Les graphes de la page suivante présentent les résultats de l'analyse de cycle de vie regroupés en deux « grandes » étapes :

- **la production du pantalon en jean**, de la culture du coton jusqu'aux traitements du pantalon en jean. **Le bilan environnemental de cette étape résulte des choix de production du pantalon en jean,** et donc, dans une certaine mesure, **des choix d'achat du consommateur**: achat d'un pantalon en jean en coton bio ou non, pantalon en jean plus ou moins délavé…

- **l'utilisation et la fin de vie du pantalon en jean**, depuis le transport du produit fini jusqu'en France, son utilisation et sa fin de vie. **Le bilan environnemental de cette étape résulte des choix d'utilisation du pantalon en jean par le consommateur** : durée de vie du pantalon en jean, mode et fréquence de lavage, etc.

- Pour 5 indicateurs sur 13 (réchauffement climatique, acidification de l'air, pollution photochimique, eutrophisation et écotoxicité sédimentaire), les impacts potentiels sur l'environnement se répartissent de façon équilibrée (environ 50/50) entre l'étape de production et l'étape d'utilisation et fin de vie.
- Pour 4 indicateurs, les impacts potentiels sur l'environnement se produisent majoritairement à l'étape de production du pantalon en jean: la déplétion des ressources non renouvelables (consommation d'électricité), la consommation d'eau (irrigation des champs de coton), la déplétion de la couche d'ozone (consommation de carburant des machines agricoles et véhicules de transport du coton), et l'écotoxicité aquatique (utilisation d'herbicides et d'insecticides pour la culture du coton).
- Pour 4 indicateurs, les impacts potentiels sur l'environnement se produisent majoritairement à l'étape d'utilisation du pantalon en jean: consommation d'énergie primaire (consommation d'électricité pour le lavage du pantalon en jean), toxicité humaine (consommation de lessive et d'électricité pour le lavage du pantalon en jean), écotoxicité terrestre (consommation d'électricité pour le lavage du pantalon en jean) et déchets solides (déchets liés à la lessive et son emballage et pantalon en jean usagé).

Rappel : un certain nombre d'éléments n'ont pu être modélisés faute de données :

- certaines étapes lors de la production du pantalon : ourdissage, brossage, correction de trame, sanforisage humide et apprêts sur rame,

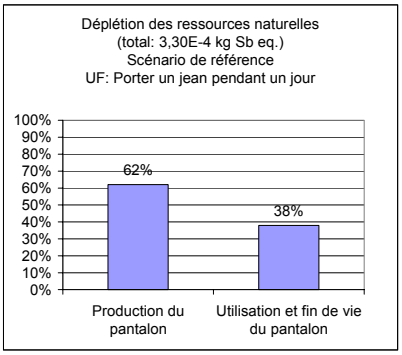
- la production, l'utilisation et la fin de vie des pierres ponces utilisées pour le stonewash,

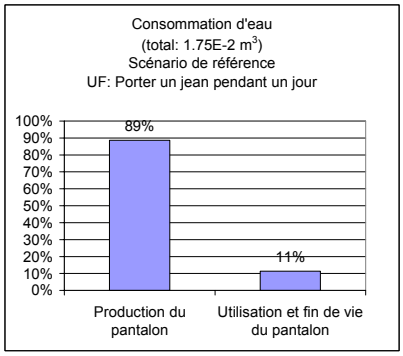
- les effluents aqueux dus aux traitements en sortie d'unité de traitement du pantalon en jean,

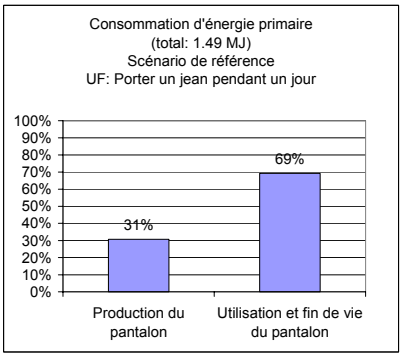
- les consommations d'énergie pour la découpe et la confection du pantalon en jean,

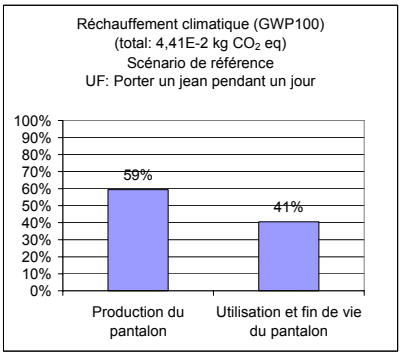
- certains déchets (fibres de coton, déchets d'emballages de consommables utilisés lors de la production du pantalon en jean, emballage du pantalon lors de son transport final).

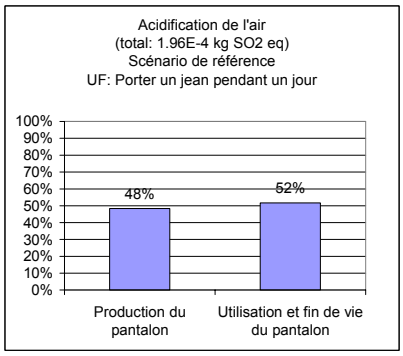
Les résultats de cette étude sont donc légèrement sous-évalués, au vu de ces éléments négligés. Cependant, l'impact relatif de ces éléments est a priori faible par rapport à la totalité des impacts potentiels sur l'environnement calculés, on peut donc estimer que les ordres de grandeur obtenus sont corrects.

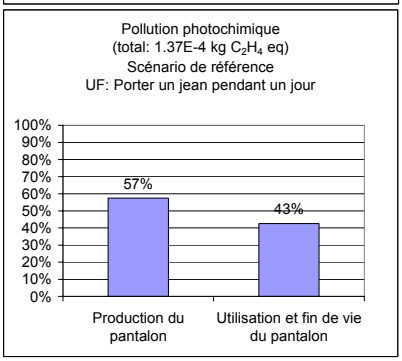

Déplétion des ressources naturelles
(total: 3,30E-4 kg Sb eq.)
Scénario de référence
UF: Porter un jean pendant un jour
62%
38%
Production du pantalon
Utilisation et fin de vie du pantalon

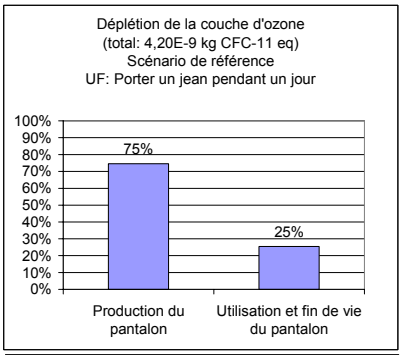

Consommation d'eau
(total: 1.75E-2 m3)
Scénario de référence
UF: Porter un jean pendant un jour
89%
11%
Production du pantalon
Utilisation et fin de vie du pantalon

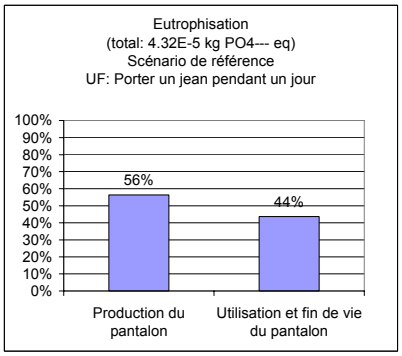

Consommation d'énergie primaire
(total: 1.49 MJ)
Scénario de référence
UF: Porter un jean pendant un jour
31%
69%
Production du pantalon
Utilisation et fin de vie du pantalon

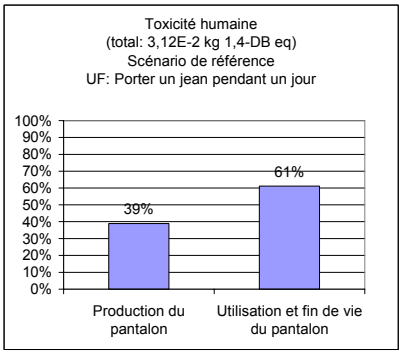

Réchauffement climatique (GWP100)
(total: 4,41E-2 kg CO2 eq)
Scénario de référence
UF: Porter un jean pendant un jour
59%
41%
Production du pantalon
Utilisation et fin de vie du pantalon

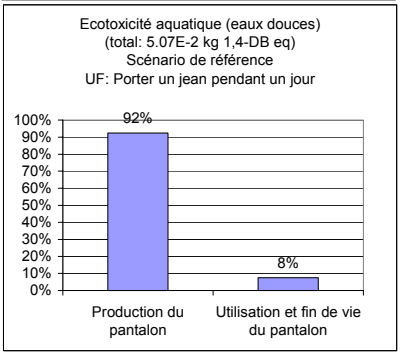

Acidification de l'air
(total: 1.96E-4 kg SO2 eq)
Scénario de référence
UF: Porter un jean pendant un jour
48%
52%
Production du pantalon
Utilisation et fin de vie du pantalon

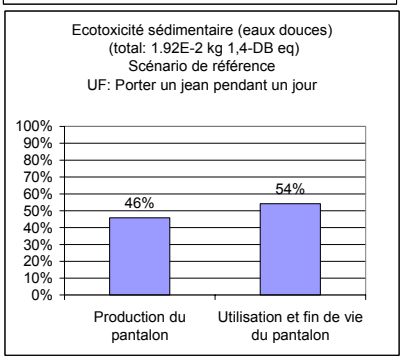

Pollution photochimique
(total: 1.37E-4 kg C2H4 eq)
Scénario de référence
UF: Porter un jean pendant un jour
57%
43%
Production du pantalon
Utilisation et fin de vie du pantalon

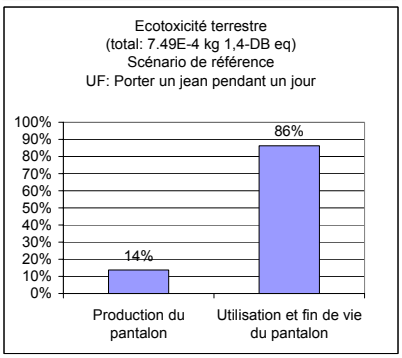

Déplétion de la couche d'ozone
(total: 4,20E-9 kg CFC-11 eq)
Scénario de référence
UF: Porter un jean pendant un jour
75%
25%
Production du pantalon
Utilisation et fin de vie du pantalon

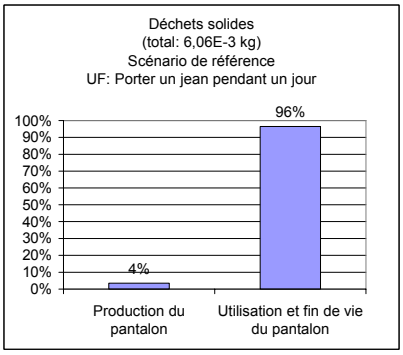

Eutrophisation
(total: 4.32E-5 kg PO4--- eq)
Scénario de référence
UF: Porter un jean pendant un jour
56%
44%
Production du pantalon
Utilisation et fin de vie du pantalon


Toxicité humaine
(total: 3,12E-2 kg 1,4-DB eq)
Scénario de référence
UF: Porter un jean pendant un jour
39%
61%
Production du pantalon
Utilisation et fin de vie du pantalon


Ecotoxicité aquatique (eaux douces)
(total: 5.07E-2 kg 1,4-DB eq)
Scénario de référence
UF: Porter un jean pendant un jour
92%
8%
Production du pantalon
Utilisation et fin de vie du pantalon


Ecotoxicité sédimentaire (eaux douces)
(total: 1.92E-2 kg 1,4-DB eq)
Scénario de référence
UF: Porter un jean pendant un jour
46%
54%
Production du pantalon
Utilisation et fin de vie du pantalon


Ecotoxicité terrestre
(total: 7.49E-4 kg 1,4-DB eq)
Scénario de référence
UF: Porter un jean pendant un jour
14%
86%
Production du pantalon
Utilisation et fin de vie du pantalon


Déchets solides
(total: 6,06E-3 kg)
Scénario de référence
UF: Porter un jean pendant un jour
4%
96%
Production du pantalon
Utilisation et fin de vie du pantalon

4.3. ANALYSES DE SENSIBILITE

Les différentes analyses de sensibilité effectuées sont présentées dans le tableau ci-dessous :

Paramètres relatifs à la production du pantalon en jean	
Mode de culture du coton	bio
Utilisation de rivets	1 - non
Si oui, type de rivets utilisés	2 - 100% inox ou 100% cuivre
Type de boutons utilisés	100% inox, 100% cuivre ou 100% laiton
Type de traitements appliqués au pantalon en jean :	1 - Aucun traitement 2 - Tous les traitements : stonewash, délavage au chlore, délavage au peroxyde d'hydrogène, moustaches.
Traitements des eaux après ennoblissement et traitement du pantalon en jean	non

Paramètres relatifs à l'utilisation du pantalon en jean	
Durée de vie	Cf fin de vie en réemploi
Fréquence d'utilisation	1 – 2 fois par semaine 2 – 3 fois par semaine
Fréquence de lavage	1 – toutes les 5 utilisations 2 – toutes les 10 utilisations
Type de lavage	1 - lavage au pressing 2 – lavage en machine avec les paramètres suivants : lavage à froid 40°C en classe A 60°C en classe D
Utilisation d'un sèche-linge et/ou repassage	1 – Ni sèche-linge ni repassage 2 - Sèche-linge et repassage
Fin de vie	100% Filière réemploi 100% Filière OM

Les chapitres suivants présentent la sensibilité des résultats à chacun de ces paramètres.

4.3.1. CULTURE BIOLOGIQUE DU COTON

Dans le mode de culture biologique du coton, les consommations d'eau et d'énergie sont similaires à celles de la culture intensive, mais il n'y a pas d'utilisation d'engrais, d'insecticides, d'herbicides, de fongicides ni de défoliant.

Le graphe ci-dessous présente, pour tous les indicateurs sélectionnés, les impacts potentiels sur l'environnement comparés du cycle de vie du pantalon en jean selon le scénario de référence et l'analyse de sensibilité « culture biologique du coton », le scénario de référence étant présenté en base 100.

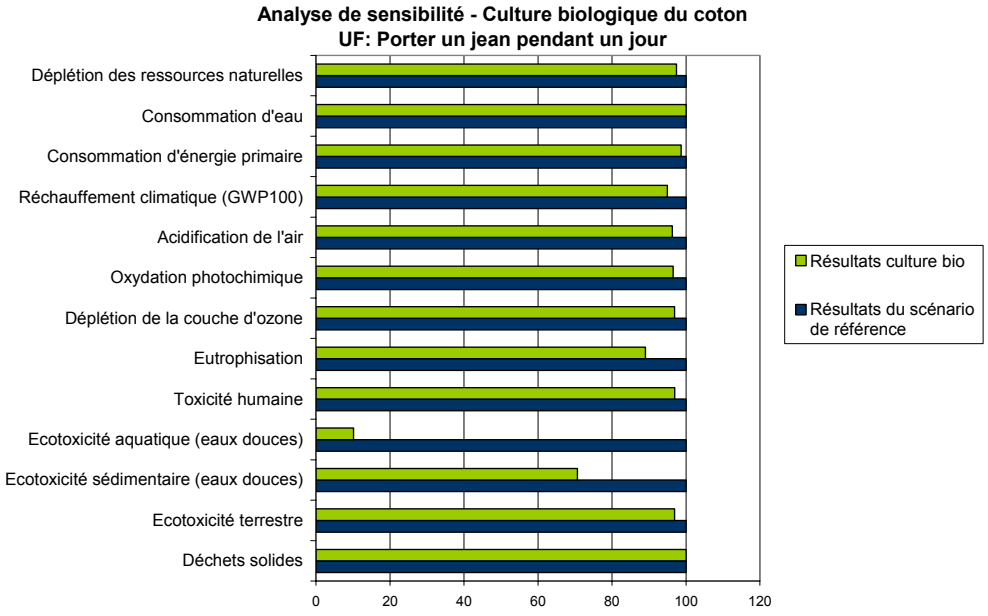


Figure 48: Résultats de l'analyse de sensibilité « culture biologique du coton »

Les résultats varient très fortement pour l'indicateur d'écotoxicité aquatique (-90%), fortement pour l'indicateur d'écotoxicité sédimentaire (-30%), et dans une fourchette entre 0 et -11% pour les autres indicateurs.

En effet, comme expliqué en 4.1.2. , l'usage de produits chimiques et notamment les pesticides, herbicides et défoliants sont responsables de 90% de l'impact en termes d'écotoxicité aquatique, et de 33% de l'impact en termes d'écotoxicité terrestre. Supprimer leur utilisation revient à annuler les impacts potentiels sur l'environnement correspondants.

4.3.2. RIVETS ET BOUTON

Rappel du scénario de référence :

- 6 rivets, 50% inox et 50% cuivre

- 4 boutons, 33% inox, 33% cuivre et 33% laiton

Les analyses de sensibilité pratiquées sont :

1 - Pas de rivets et 4 boutons, 33% inox, 33% cuivre et 33% laiton

2 - 6 rivets et 4 boutons, tous 100% inox

3 - 6 rivets et 4 boutons, tous 100% cuivre

4 - 6 rivets, 50% inox et 50% cuivre (comme dans le scénario de référence), et 4 boutons 100% laiton

Ces différentes analyses permettent d'apprécier les conséquences du choix du matériau composant les rivets et les boutons, ceux-ci pouvant être en inox ou en cuivre pour les rivets, et en inox, cuivre ou laiton pour les boutons, selon les experts marketing de la société Ober.

Le graphe ci-dessous présente, pour tous les indicateurs sélectionnés, les impacts potentiels sur l'environnement comparés du cycle de vie du pantalon en jean selon le

scénario de référence et l'analyse de sensibilité « rivets et bouton », le scénario de référence étant présenté en base 100.

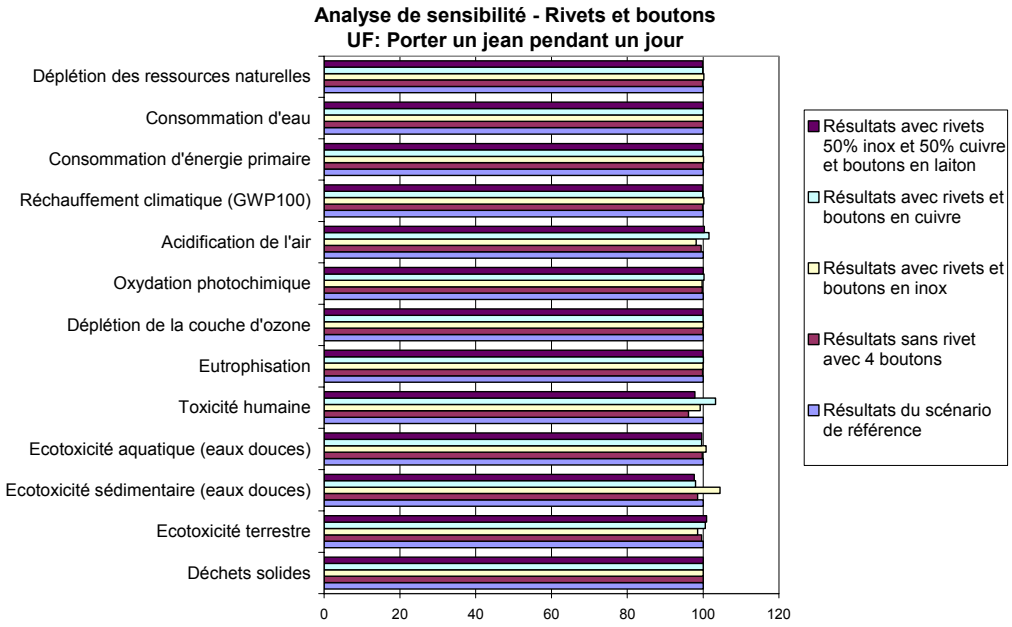


Figure 49: Résultats de l'analyse de sensibilité « rivets et bouton »

Les résultats varient légèrement pour :

- l'indicateur de toxicité humaine pour l'option « sans rivets » (-4%). Cela est dû au fait que l'on évite des émissions d'arsenic et de chrome VI dans l'air lors de la production du cuivre et de l'acier.

- l'indicateur d'écotoxicité sédimentaire pour l'option « avec rivets et boutons en inox » (+4%), à cause des émissions de nickel dans l'eau lors de la production de l'inox.

- l'indicateur de toxicité humaine pour l'option « avec rivets et bouton en cuivre » (=3%), à cause des émissions d'arsenic dans l'eau lors de la production du cuivre.

4.3.3. TRAITEMENTS APPORTES AU PANTALON EN JEAN

Rappel du scénario de référence : le pantalon en jean subit un stonewash et un délavage au chlore. Deux alternatives sont étudiées ici : aucun traitement et tous les traitements modélisables (stonewash + délavage au chlore + délavage au peroxyde + moustaches).

Les graphes ci-dessous présentent, pour tous les indicateurs sélectionnés, les impacts potentiels sur l'environnement comparés du cycle de vie du pantalon en jean selon le scénario de référence et l'analyse de sensibilité « traitements du pantalon en jean», le scénario de référence étant présenté en base 100.

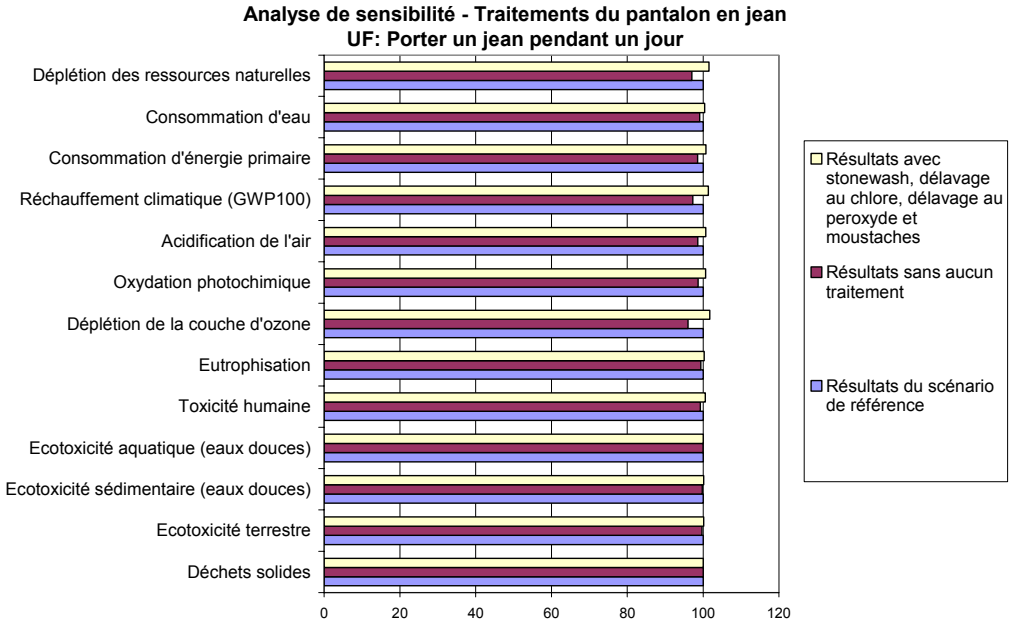


Figure 50: Résultats de l'analyse de sensibilité « traitements du pantalon en jean »

Les résultats varient légèrement (-4%) pour l'indicateur de déplétion de la couche d'ozone, de déplétion des ressources abiotiques (-3%) et de réchauffement climatique (-3%), dans le cas où aucun traitement n'est apporté au pantalon en jean.

4.3.4. PAS DE TRAITEMENTS DES EAUX EN SORTIE D'UNITES D'ENNOBLISSEMENT ET DE TRAITEMENTS

Rappel du scénario de référence : les unités d'ennoblissement du coton et de traitements du pantalon en jean sont pourvues de stations d'épuration ayant un taux d'abattement de 90%.

Le graphe ci-dessous présente, pour tous les indicateurs sélectionnés, les impacts potentiels sur l'environnement comparés du cycle de vie du pantalon en jean selon le scénario de référence et l'analyse de sensibilité « pas de traitements des eaux en sortie d'unités d'ennoblissement et de traitements », le scénario de référence étant présenté en base 100.

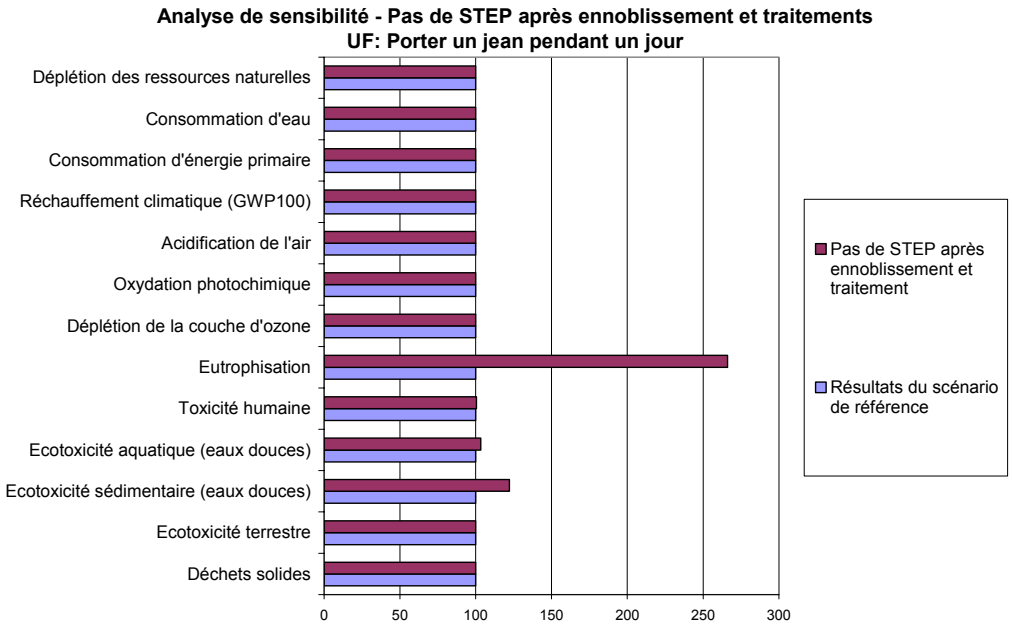


Figure 51: Résultats de l'analyse de sensibilité « pas de STEP après ennoblissement et encollage »

L'indicateur d'eutrophisation des eaux est fortement sensible à la présence ou non d'unités de traitement des eaux après ennoblissement du fil de coton et encollage des fils pour la production de la toile de denim. L'impact potentiel sur l'environnement augmente 166% s'il n'y a pas de traitement de eaux.

Les indicateurs d'écotoxicité sédimentaire et d'écotoxicité aquatique sont aussi affectés, dans une moindre mesure (respectivement +22% et +3%).

4.3.5. FREQUENCE D'UTILISATION DU PANTALON EN JEAN

Rappel : dans le scénario de référence, le pantalon en jean est utilisé un jour par semaine.

Deux simulations sont effectuées dans l'analyse de sensibilité : le pantalon en jean est porté 2 ou 3 fois par semaine. La fréquence de lavage (toutes les 3 utilisations) reste la même.

Le graphe ci-dessous présente, pour tous les indicateurs sélectionnés, les impacts potentiels sur l'environnement comparés du cycle de vie du pantalon en jean selon le scénario de référence et l'analyse de sensibilité « fréquence d'utilisation », le scénario de référence étant présenté en base 100.

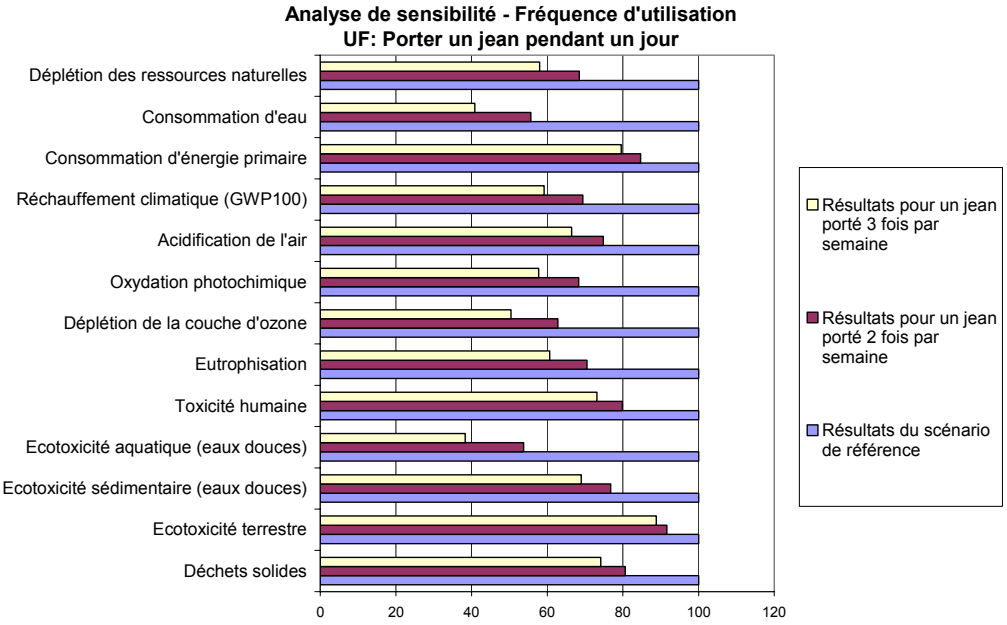


Figure 52: Résultats de l'analyse de sensibilité « fréquence d'utilisation »

On constate que les impacts potentiels sur l'environnement diminuent pour tous les indicateurs lorsque l'on augmente la fréquence d'utilisation du pantalon en jean. En effet, cela revient à augmenter le nombre de jours portés sur la durée de vie, et lorsque l'on ramène les impacts du cycle de vie global à l'unité fonctionnelle « Porter un pantalon en jean pendant un jour », les impacts générés lors des étapes de production diminuent. Cela est remarquable par exemple pour les indicateurs de consommation d'eau et d'écotoxicité aquatique, pour lesquels environ 90% des impacts sont générés à l'étape de production du coton.

4.3.6. FREQUENCE DE LAVAGE DU PANTALON EN JEAN

Rappel : dans le scénario de référence, le pantalon en jean est lavé toutes les 3 utilisations. Cela correspond à une utilisation « moyenne », selon le scénario défini avec les experts marketing de la société Ober.

On procède à deux analyses de sensibilité, lavage toutes les 5 et toutes les 10 utilisations.

Le graphe ci-dessous présente, pour tous les indicateurs sélectionnés, les impacts potentiels sur l'environnement comparés du cycle de vie du pantalon en jean selon le scénario de référence et l'analyse de sensibilité « fréquence de lavage », le scénario de référence étant présenté en base 100.

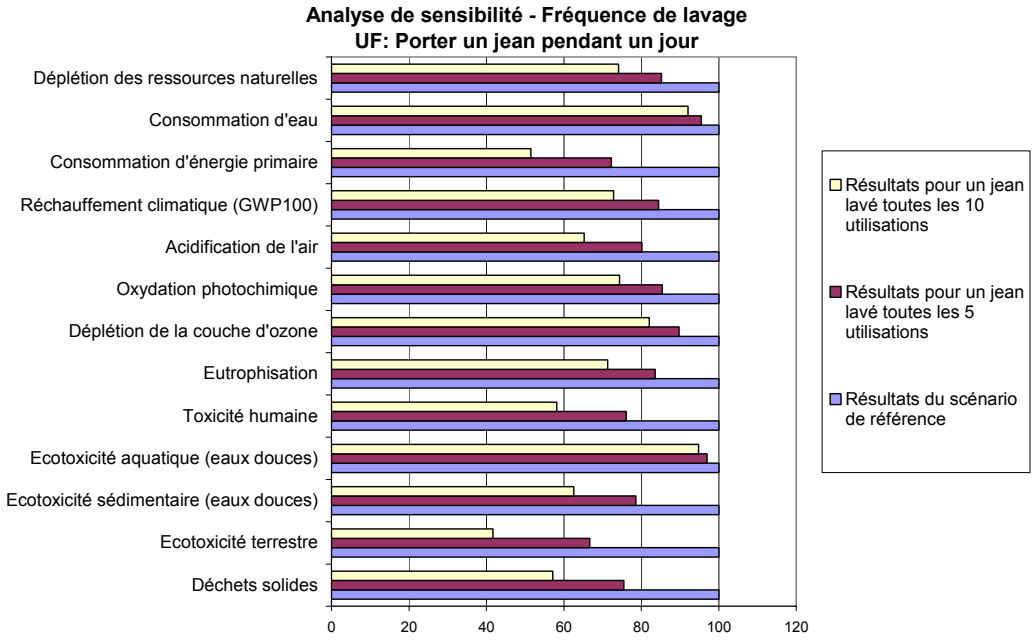


Figure 53: Résultats de l'analyse de sensibilité « fréquence de lavage »

On observe que les impacts potentiels sur l'environnement diminuent pour tous les indicateurs : entre 3% et 33% pour un pantalon en jean lavé toutes les 5 utilisations et entre 5% et 58% pour un pantalon en jean lavé toutes les 10 utilisations.

Ces différences sont dues au fait que seule l'étape d'utilisation est modifiée par cette analyse de sensibilité. Les indicateurs pour lesquels les impacts viennent en majorité des étapes de production du pantalon en jean (exemples : consommation d'eau et écotoxicité aquatique) sont moins affectés.

4.3.7. LAVAGE AU PRESSING

Le graphe ci-dessous présente, pour tous les indicateurs sélectionnés, les impacts potentiels sur l'environnement comparés du cycle de vie du pantalon en jean selon le scénario de référence et l'analyse de sensibilité « lavage au pressing », le scénario de référence étant présenté en base 100.

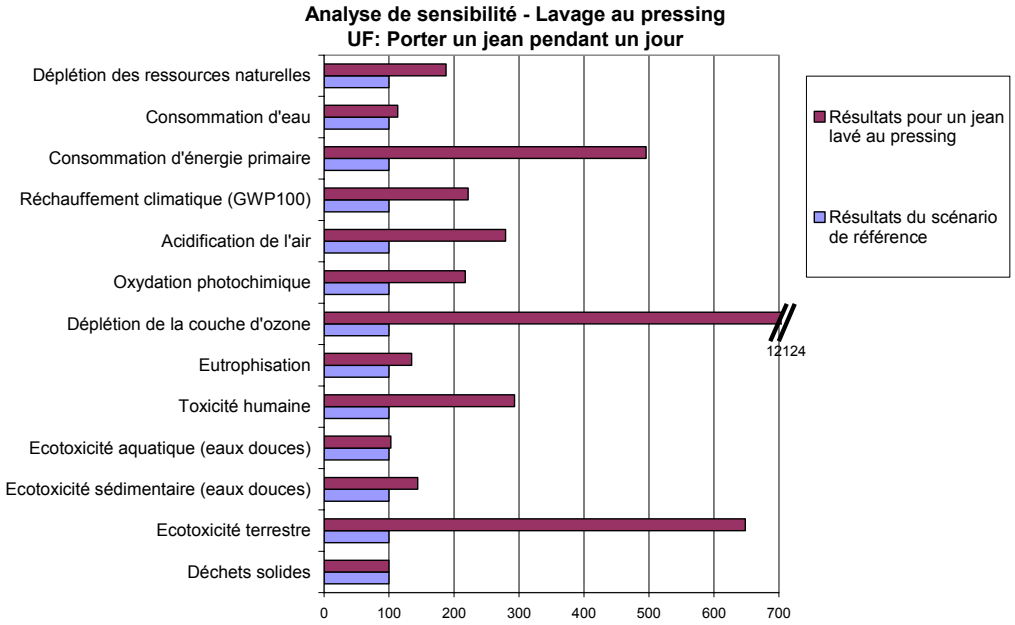


Figure 54: Résultats de l'analyse de sensibilité « lavage au pressing »

Tous les indicateurs sont sensibles au type de lavage effectué :

- les indicateurs d'écotoxicité aquatique, d'eutrophisation, de consommation d'eau[19] et d'écotoxicité sédimentaire augmentent de 3 à 44%.

- les indicateurs de déplétion des ressources naturelles, d'oxydation photochimique, de réchauffement climatique, d'acidification de l'air et de toxicité humaine augmentent de 88 à 193%.

- la consommation d'énergie primaire augmente de 396%

- l'indicateur d'écotoxicité terrestre augmente de 549% (émissions de chrome VI dans les sols liées à la production d'électricité)

- l'indicateur de déplétion de la couche d'ozone augmente de 12 124%, à cause des émissions de CFC-12 dans l'air lors de la production du perchlorethylène.

Remarque : l'hypothèse a été faite que la quantité de déchets solides générée à l'étape d'utilisation lorsque le pantalon en jean est nettoyé à sec est équivalente à celle générée lorsque celui-ci est lavé en machine.

4.3.8. LAVAGE EN MACHINE

Rappel : dans le scénario de référence, le linge est lavé à 40°C dans un lave-linge de classe C.

On procède à trois analyses de sensibilité, correspondant à différentes consommations d'énergie pour le lavage : un lave-linge de classe A (lavage à froid et lavage à 40°C), et un lave-linge de classe D à 60°C.

Concernant la consommation d'énergie du lave-linge lors du lavage à froid, on considère 20% de la consommation d'électricité lors d'un lavage à 40°C. En effet, 80% de la consommation électrique d'un lave-linge est utilisée pour chauffer l'eau[20].

[19] L'eau est utilisée pour la réfrigération du système

Le graphe ci-dessous présente, pour tous les indicateurs sélectionnés, les impacts potentiels sur l'environnement comparés du cycle de vie du pantalon en jean selon le scénario de référence et l'analyse de sensibilité « lavage en machine », le scénario de référence étant présenté en base 100.

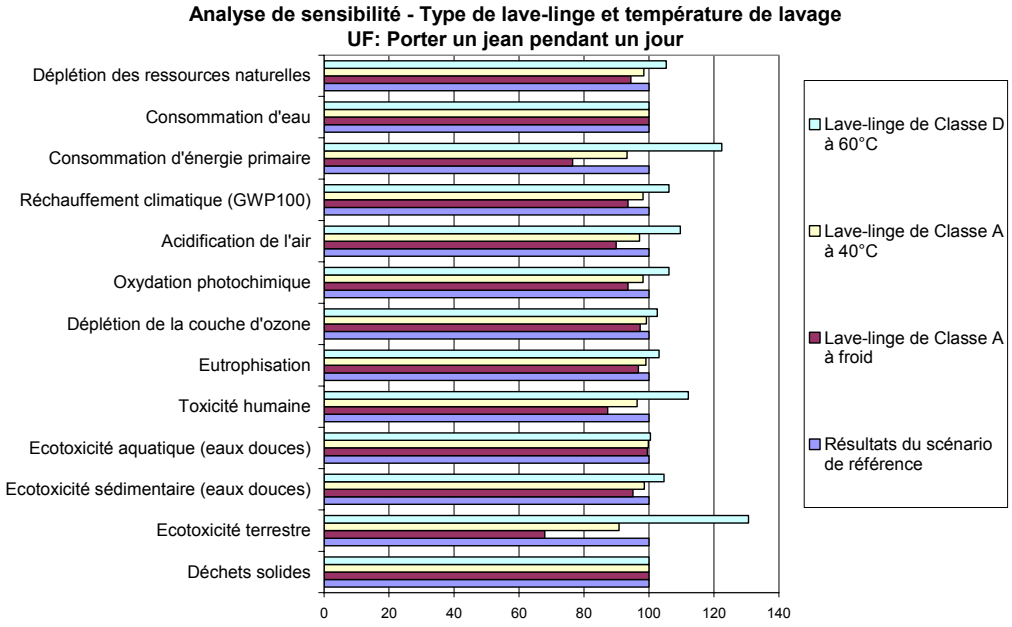


Figure 55 : Résultats de l'analyse de sensibilité « lavage en machine »

Les impacts potentiels sur l'environnement augmentent pour le scénario « lave-linge de classe D, lavage à 60°C » pour tous les indicateurs environnementaux, notamment la consommation d'énergie primaire (+22%) et l'écotoxicité terrestre (+31%). Les impacts diminuent pour les scénarios « lave-linge de classe A, lavage à 40°C » et « lave-linge de classe A, lavage à froid ». Par exemple, la consommation d'énergie primaire diminue de 23% sur tout le cycle de vie dans le cas d'un lavage à froid par rapport au scénario de référence.

4.3.9. UTILISATION D'UN SECHE-LINGE ET REPASSAGE

Rappel : le scénario de référence considère une étape de repassage après chaque lavage.

On procède à deux analyses : ni repassage ni sèche-linge, et un scénario avec à la fois repassage et sèche-linge.

Le graphe ci-dessous présente, pour tous les indicateurs sélectionnés, les impacts potentiels sur l'environnement comparés du cycle de vie du pantalon en jean selon le scénario de référence et l'analyse de sensibilité « utilisation d'un sèche-linge et repassage », le scénario de référence étant présenté en base 100.

[20] Source : Ademe 2006

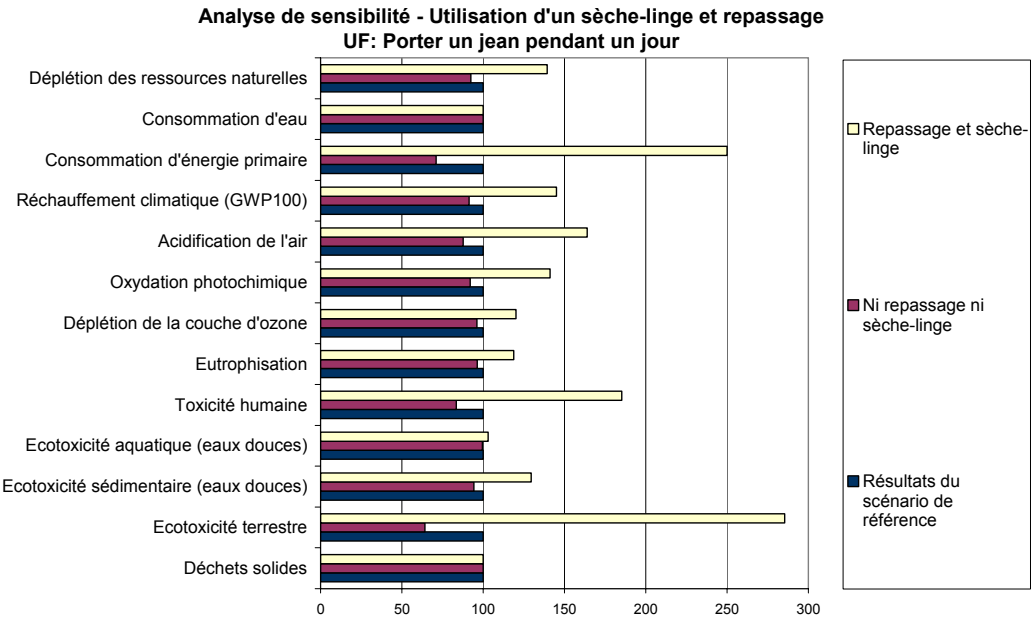


Figure 56 : Résultats de l'analyse de sensibilité « utilisation d'un sèche-linge et repassage »

Les résultats sont sensibles aux consommations d'électricité du repassage (0.1 kWh/pantalon en jean) et du sèche-linge (0.5 kWh/pantalon en jean). Pour mémoire la consommation électrique d'un lave-linge de classe C à 40°C est de 0.1 kWh/pantalon en jean. On consomme donc 5 fois plus d'électricité pour sécher un pantalon que pour le laver.

Les indicateurs les plus sensibles sont la consommation d'énergie primaire (-27% sans repassage ni sèche-linge, +140% avec repassage et sèche-linge) et l'indicateur d'écotoxicité terrestre (-36% sans repassage ni sèche-linge, +192% avec repassage et sèche-linge).

Le choix d'utiliser ou non un sèche-linge impacte ainsi très fortement les résultats. En effet, lorsque l'on considère les impacts potentiels sur l'environnement ramenés à l'unité fonctionnelle –porter un pantalon en jean pendant un jour – cette étape est responsable à elle seule de 58% de la consommation d'énergie primaire totale sur tout le cycle de vie.

Les impacts potentiels sur l'environnement en termes d'écotoxicité terrestre sont liés à la consommation électrique, plus particulièrement aux émissions de chrome VI dans les sols dues à la production d'électricité.

4.3.10. FIN DE VIE

Il a été considéré que la fin de vie en filière de réemploi consistait à augmenter la durée de vie du pantalon en jean. L'analyse de sensibilité considère ainsi un pantalon en jean à la durée de vie doublée, i.e. 8 ans, ainsi qu'un pantalon en jean qui serait jeté avec les OM après sa première utilisation, soit d'une durée de vie de 4 ans.

Le graphe ci-dessous présente, pour tous les indicateurs sélectionnés, les impacts potentiels sur l'environnement comparés du cycle de vie du pantalon en jean selon le scénario de référence et l'analyse de sensibilité « fin de vie », le scénario de référence étant présenté en base 100.

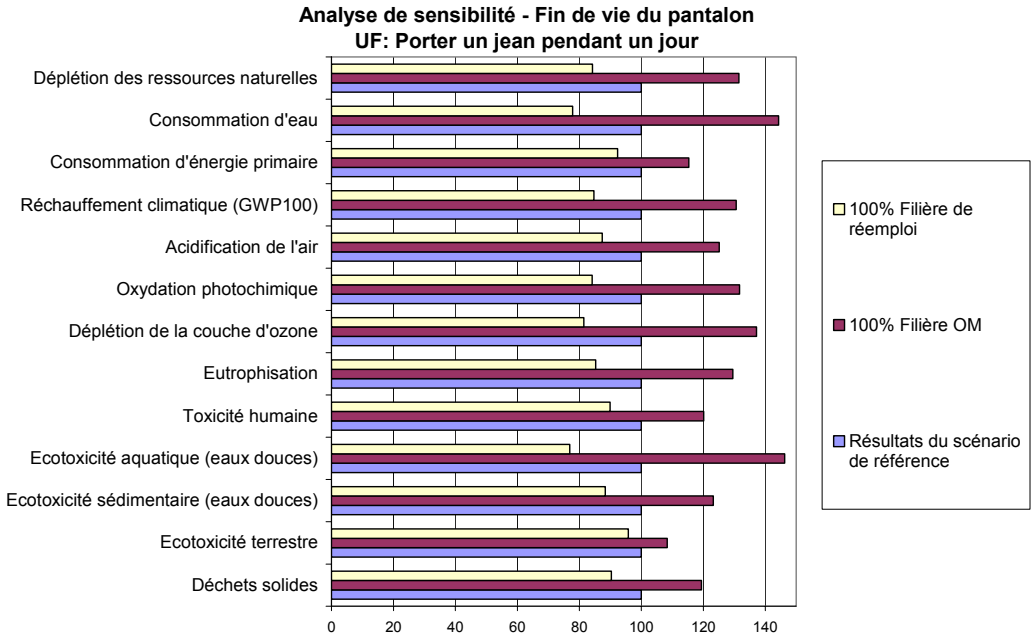


Figure 57: Résultats de l'analyse de sensibilité « fin de vie en filière de réemploi »

On observe les mêmes tendances que pour l'analyse de sensibilité « augmentation de la fréquence d'utilisation » : les impacts potentiels sur l'environnement de la phase de production ramenés à un jour porté augmentent si l'on diminue la durée de vie (100% OM) et ils diminuent si la durée de vie est allongée (100% réemploi).

La variation va de (-4% / +8%) pour l'indicateur d'écotoxicité terrestre à (-23% / +46%) pour l'indicateur d'écotoxicité aquatique.

4.3.11. CONCLUSION SUR LES ANALYSES DE SENSIBILITE

Le tableau ci-dessous récapitule l'influence (arrondie à 5%) des paramètres étudiés dans les analyses de sensibilité sur les résultats (sauf pour les rivets / boutons et les traitements apportés au pantalon en jean, ayant été démontré en 4.3. que ces paramètres n'influencent pas les résultats de façon significative.

On peut le résumer de la façon suivante :

- certains paramètres ont une forte influence sur les résultats pour quasiment tous les indicateurs d'impacts potentiels sur l'environnement : fréquence d'utilisation du pantalon, fréquence de lavage, nettoyage à sec ou non, utilisation d'un sèche-linge ou non, fin de vie du pantalon.

- certains paramètres ont une influence forte sur les résultats de certains indicateurs : coton biologique pour l'écotoxicité aquatique et l'écotoxicité sédimentaire, épuration des eaux après ennoblissement et traitement pour l'eutrophisation, type de lave-linge, température de lavage et repassage ou non pour la consommation d'énergie primaire et l'écotoxicité terrestre.

	Coton bio	Pas de STEP après ennoblisse-ment et encollage	Fréquence d'utilisation du pantalon double	Fréquence de lavage du pantalon divisée par 3	Pressing	Lave-linge de classe A à froid	Lave-linge de classe D à 60°C	Pas de repassage	Sèche-linge	100% réemploi	100% avec les OM
Déplétion des ressources naturelles	-5 %	0 %	-30 %	-25 %	90 %	-5 %	5 %	-5 %	35 %	-15 %	30 %
Consomma-tion d'eau	0 %	0 %	-45 %	-10 %	15 %	0 %	0 %	0 %	0 %	-20 %	45 %
Consomma-tion d'énergie primaire	0 %	0 %	-15 %	-45 %	395 %	-25 %	20 %	-25 %	140 %	-10 %	15 %
Réchauffe-ment climatique (GWP100)	-5 %	0 %	-30 %	-25 %	120 %	-5 %	5 %	-5 %	40 %	-15 %	30 %
Acidification de l'air	-5 %	0 %	-25 %	-35 %	180 %	-10 %	10 %	-10 %	60 %	-15 %	25 %
Oxydation photochimique	-5 %	0 %	-30 %	-25 %	115 %	-5 %	5 %	-5 %	40 %	-15 %	30 %
Déplétion de la couche d'ozone	-5 %	0 %	-35 %	-15 %	12 025 %	-5 %	5 %	-5 %	15 %	-20 %	35 %
Eutrophisation	-10 %	165 %	-30 %	-25 %	35 %	-5 %	5 %	-5 %	20 %	-15 %	30 %
Toxicité humaine	-5 %	0 %	-20 %	-40 %	195 %	-15 %	10 %	-15 %	75 %	-10 %	20 %
Ecotoxicité aquatique (eaux douces)	-90 %	5 %	-45 %	-5 %	5 %	0 %	0 %	0 %	5 %	-25 %	45 %
Ecotoxicité sédimentaire (eaux douces)	-30 %	20 %	-25 %	-35 %	45 %	-5 %	5 %	-5 %	30 %	-10 %	25 %
Ecotoxicité terrestre	-5 %	0 %	-10 %	-55 %	550 %	-30 %	30 %	-35 %	190 %	-5 %	10 %
Déchets solides	0 %	0 %	-20 %	-40 %	0 %	0 %	0 %	0 %	0 %	-10 %	20 %

de +10% à +49%	de +50% à +99%	>100%
de -10% à -49%	de -50% à -99%	>-100%

5. Conclusion

Les résultats du scénario de référence montrent que les enjeux environnementaux liés au cycle de vie d'un pantalon en jean se situent au niveau de la consommation d'eau et du risque toxique pour les milieux aquatiques. Ces impacts sont principalement générés lors de la culture (intensive) du coton. Les enjeux environnementaux de second ordre portent sur la consommation de ressources non renouvelables, la consommation d'énergie primaire, la pollution photochimique (responsable des pics d'ozone dans les zones urbaines), l'écotoxicité sédimentaire et la production de déchets ménagers. Certains enjeux sont propres à l'étape de production, d'autres à l'étape d'utilisation et certains sont liés à plusieurs étapes :

- la production du pantalon est la principale source d'impact sur la déplétion des ressources non renouvelables (consommation d'électricité), la consommation d'eau (irrigation des champs de coton), la déplétion de la couche d'ozone (consommation de carburant des machines agricoles et véhicules de transport du coton), et l'écotoxicité aquatique (utilisation d'herbicides et d'insecticides pour la culture du coton) ;
- l'utilisation du pantalon est l'étape prédominante en termes de consommation d'énergie primaire (consommation d'électricité pour le lavage du pantalon en jean), de toxicité humaine (consommation de lessive et d'électricité pour le lavage du pantalon en jean), d'écotoxicité terrestre (consommation d'électricité pour le lavage du pantalon en jean) et de production de déchets solides (déchets liés à la lessive et son emballage et pantalon en jean usagé) ;
- pour le réchauffement climatique, l'acidification de l'air, la pollution photochimique, l'eutrophisation et l'écotoxicité sédimentaire, les impacts potentiels sur l'environnement se répartissent de façon équilibrée (environ 50/50) entre l'étape de production et l'étape d'utilisation et fin de vie.

Les analyses de sensibilité ont mis en évidence que certains choix d'achats ou modes d'utilisation ont une influence forte sur le bilan environnemental d'un pantalon en jean. On présente ci-dessous les modes d'achats ou de comportement d'utilisation qui ont une influence sur l'ensemble des indicateurs d'impacts :

- utiliser son pantalon aussi longtemps que possible ;
- optimiser la fréquence de lavage ;
- limiter le nombre de nettoyages à sec ;
- limiter le séchage en machine ;
- orienter son pantalon vers une filière de réemploi permet de rallonger sa durée de vie.

D'autres modes d'achats ou de comportements d'utilisation ont une forte influence sur un nombre plus restreint d'indicateurs d'impact :

- le choix d'un pantalon en coton biologique permet de réduire fortement les impacts en termes d'écotoxicité aquatique (-90%). (l'offre se diversifie actuellement),
- sans l'épuration des effluents aqueux après ennoblissement et traitement lors de la production du pantalon, les impacts en termes d'eutrophisation seraient multipliés par 1.5. Ainsi, choisir un pantalon produit dans des pays où la

législation oblige les usines à traiter leurs effluents aqueux permet de limiter l'eutrophisation des eaux (le consommateur n'a pas aujourd'hui l'information nécessaire pour effectuer ce choix, néanmoins compte tenu de l'importance de ce paramètre sur les impacts en termes d'eutrophisation des eaux, les auteurs ont tenu à le mentionner)

- en termes d'utilisation, laver son pantalon dans un lave-linge de classe A, à faible température, optimiser la fréquence de lavage, limiter le repassage et éviter au maximum le sèche-linge limite la consommation d'énergie primaire et limite certains risques toxiques (écotoxicité terrestre notamment).

Ces pistes d'améliorations et leurs impacts respectifs sur les résultats sont présentés de façon quantitative dans l'écoprofil et l'outil de simulation Eco Jeans réalisés à partir de cette étude, et disponibles sur le site de l'ADEME www.ademe.fr.

ANNEXES

ANNEXE 1 : VALEURS DE NORMATION

Le tableau ci-dessous présente les équivalents-habitants utilisés pour présenter les résultats en valeurs normées :

Valeurs de normation	Valeurs de normation (/an/hab)	Représentativité et sources
Déplétion des ressources naturelles (kg Sb eq)	3,99E+01	Europe de l'Ouest, CML, 1995
Consommation d'eau (m3)	5,59E+02	France, Eurostat, 2002 (somme des prélèvements nationaux des eaux souterraines et rivières ramenés à un habitant)
Consommation d'énergie primaire (MJ)	1,79E+05	Europe de l'Ouest, CML, 1995
Réchauffement climatique (GWP100) (kg CO2 eq)	1,30E+04	Europe de l'Ouest, CML, 1995
Acidification de l'air (kg SO2 eq)	7,36E+01	Europe de l'Ouest, CML, 1995
Oxydation photochimique (kg C2H4 eq)	2,22E+01	Europe de l'Ouest, CML, 1995
Déplétion de la couche d'ozone (kg CFC-11 eq)	2,23E-01	Europe de l'Ouest, CML, 1995
Eutrophisation (kg PO4--- eq)	3,36E+01	Europe de l'Ouest, CML, 1995
Toxicité humaine (kg 1,4-DB eq)	2,04E+04	Europe de l'Ouest, CML, 1995
Ecotoxicité aquatique (eaux douces) (kg 1,4-DB eq)	1,36E+03	Europe de l'Ouest, CML, 1995
Ecotoxicité sédimentaire (eaux douces) (kg 1,4-DB eq)	1,39E+03	Europe de l'Ouest, CML, 1995
Ecotoxicité terrestre (kg 1,4-DB eq)	1,27E+02	Europe de l'Ouest, CML, 1995
Déchets des ménages (OM) (kg)	3,65E+02	France, Ademe, 2002 (OM des ménages)

Figure 58 : Valeurs de normation

ANNEXE 2 : METHODOLOGIE ET LIMITES DE L'ACV

1.1 CADRE METHODOLOGIQUE GENERAL

L'Analyse de Cycle de Vie (ACV) est un outil d'aide à la décision qui permet d'évaluer les effets sur l'environnement des produits. Elle fournit des informations sur les effets sur l'environnement et les impacts potentiels de toutes les étapes de cycle de vie du produit (du "berceau à la tombe"), par :

- compilation d'un inventaire des entrées et des sorties appropriées d'un système de produit tout au long de son cycle de vie,
- l'évaluation des impacts environnementaux potentiels liés à ces entrées et sorties,
- l'interprétation des résultats des phases d'évaluation d'analyse et d'impact de inventaire par rapport aux objectifs de l'étude.

L'ACV est une méthode d'évaluation environnementale orientée « produit » qui a été généralement employée à un niveau micro-économique (ACV orientée procédé, ACV orientée produit, ACV orientée gestion des déchets). Un système de produit est la partie de l'économie qui produit une certaine quantité de service qui s'appelle "l'unité fonctionnelle" dans les ACV.

Cette approche est normalisée au niveau international (ISO 14040 à 14043).

Dans les normes ISO, la méthodologie des ACV est divisée en quatre étapes

- Étape 1 - Définition et but de l'étude

  Les produits à évaluer sont définis, une base fonctionnelle pour la comparaison est choisie et le niveau exigé du détail est décrit.

- Étape 2 - Analyse de inventaire

  Les entrées - énergie et matières premières utilisées - et les sorties - émissions dans l'atmosphère, l'eau et le sol - sont mesurées pour chaque processus et puis combinées dans l'organigramme des procédés (inventaire de cycle de vie, ICV).

- Étape 3 - Évaluation des impacts

  Les effets des ressources utilisées et des émissions produites sont groupés et mesurés dans un nombre limité de catégories d'impact qui peuvent alors être agrégés.

- Étape 4 - Perspectives d'amélioration

Les résultats sont rapportés de la manière la plus instructive possible et la nécessité et les occasions de réduire l'impact du produit(s) sur l'environnement sont systématiquement évaluées.

1.1.1 Unité Fonctionnelle

Une unité fonctionnelle est une mesure de la performance du système de produit à l'étude. Le premier but d'une unité fonctionnelle est de fournir une référence à laquelle les entrées et les sorties sont reliées. Cette référence est nécessaire pour assurer la comparabilité des résultats de l'ACV.

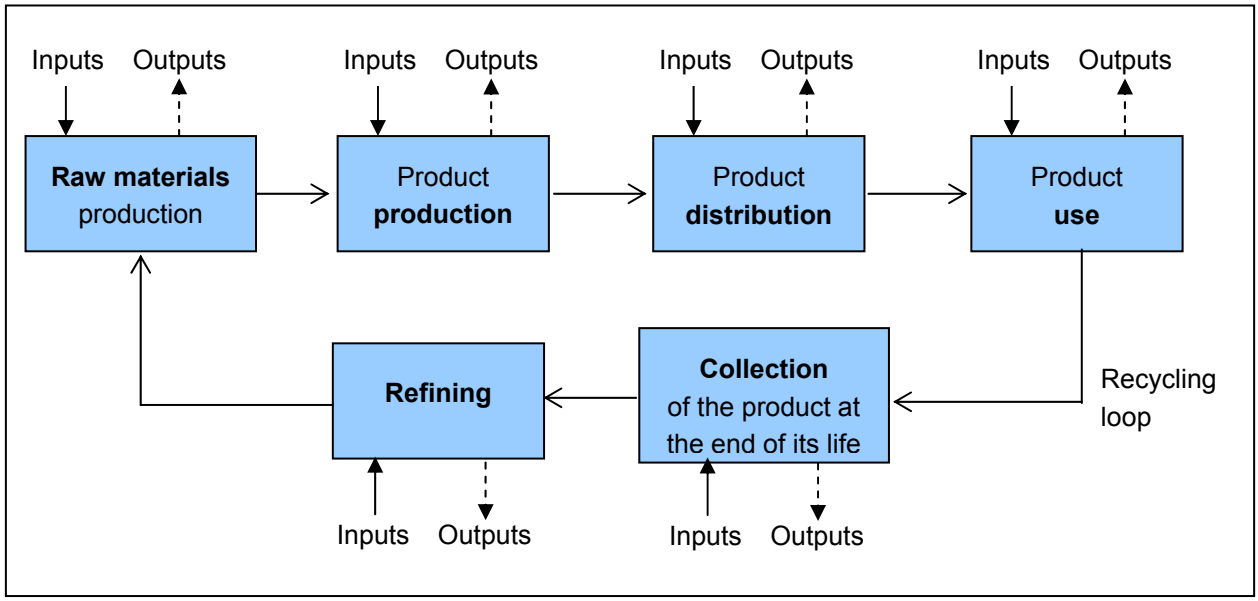
L'ISO 14040 définit l'unité fonctionnelle comme une « unité d'usage caractérisant le résultat attendu lié à la fonction étudiée. Cette unité est la référence à laquelle sont rapportées les quantités mentionnées dans l'inventaire. Elle est mesurable et vérifiable. »

1.1.2 Frontières du système

L'ACV est un outil dévaluation des impacts potentiels sur l'environnement d'un système de produit. Non seulement les impacts potentiels dus à l'utilisation d'un produit, mais également la production, le transport, l'entretien, et la fin de vie sont considérés (c.-à-d. son cycle de vie entier).

Un système de produit peut être représenté graphiquement comme suit.

Frontières d'un système de produit



1.1.3 Inventaire De Cycle De Vie

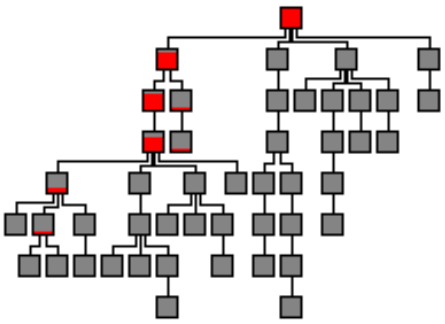
Vue d'ensemble

Comme indiqué ci-dessous, la base d'une étude ACV est un inventaire de toutes les entrées et sorties des processus industriels qui se produisent pendant le cycle de vie d'un produit. Ceci inclut la phase de production aussi bien que la distribution, l'utilisation et la fin de vie du produit.

Le cycle de vie peut être présenté comme un arbre de procédés.

Exemple d'un arbre de procédés

Chaque boîte représente un procédé du cycle de vie. Chaque procédé a des entrées et des sorties définies.



Les flux entrants des procédés peuvent être divisées en deux catégories :

- matières premières et ressources énergétiques,
- produits, produits semi finis ou énergie, qui sont des sorties d'autres procédés.

De même, il y a deux types de flux sortants :

- émissions dans l'air, l'eau et les sols,
- produit produits semi finis ou énergie (flux sortants économiques).

Avec les informations sur chaque processus et un arbre de procédés du cycle de vie, il est possible d'élaborer un inventaire de cycle de vie de toutes les entrées et sorties environnementales associées au produit. Le résultat s'appelle la *table d'impacts*. Chaque impact est exprimé comme quantité particulière d'une substance.

Le processus de l'inventaire semble assez simple en principe. Dans la pratique, il est sujet à un certain nombre des problèmes pratiques et méthodologiques, incluant :

- Frontières du système

  En divisant le cycle de vie en procédés, il n'est pas toujours aisé de déterminer le niveau de détail à atteindre en terme de procédés à inclure. Dans la production du polyéthylène, par exemple, le pétrole doit être extrait ; ce pétrole est transporté dans un camion-citerne ; l'acier est nécessaire pour construire le camion-citerne, et les matières premières requises pour produire cet acier doivent également être extraites. Pour des raisons pratiques une ligne doit être tracée. Par exemple, la production des biens d'équipement est habituellement exclue.

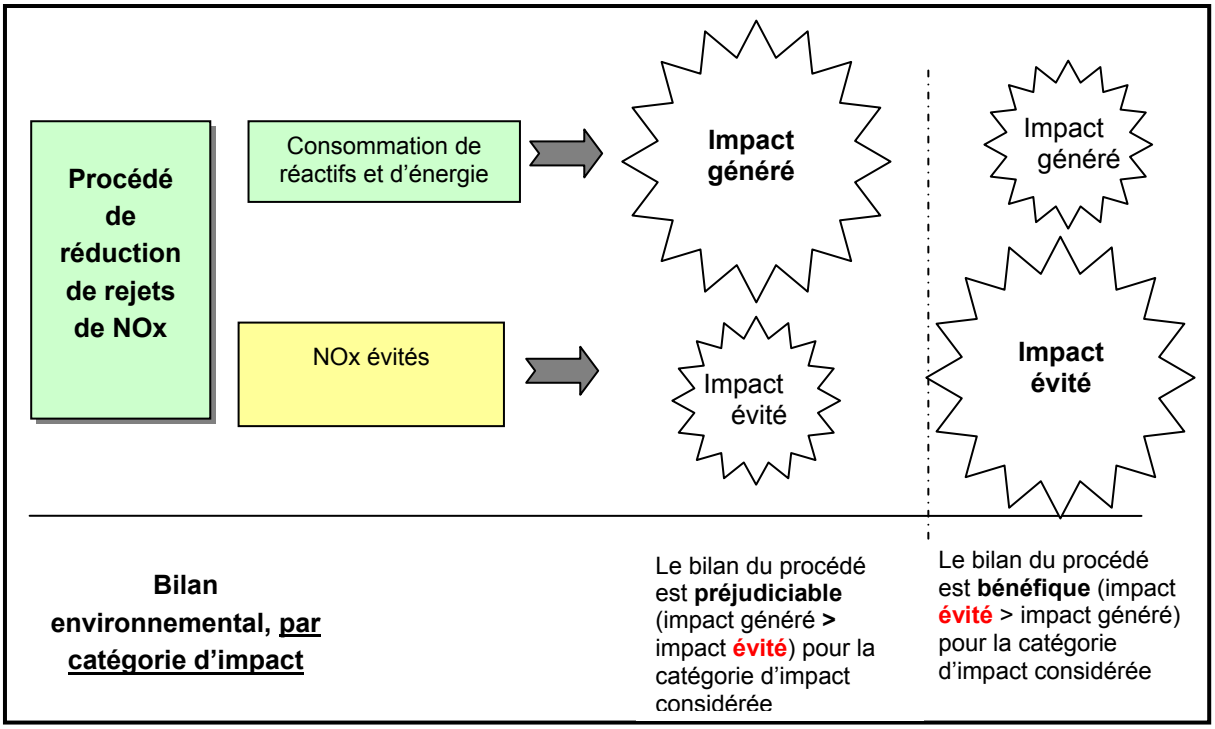
- Procédés qui produisent plus d'un produit

  Par exemple l'électrolyse du sel produit le chlore. Les effets sur l'environnement du procédé d'électrolyse ne peuvent pas être attribués entièrement seul au chlore, car la soude caustique et l'hydrogène est également produit. Une règle appropriée d'allocation est nécessaire ici, par exemple l'attribution sur la base de la masse ou de la valeur économique des produits. Dans cette étude, nous avons généralement employé l'ensemble de données basé sur une allocation massique.

- Impacts évités

  Quand un procédé d'élimination d'un produit génère un flux sortant bénéfique, telle que la génération d'énergie d'une usine d'incinération de déchets municipaux, il ne cause pas seulement des impacts. Il permet d'éviter également des impacts car il n'est plus nécessaire de produire l'énergie ou le matériel d'une manière classique.

  Pour tenir compte de ceci, des *impacts évités* sont présentés. Ils sont équivalents aux impacts qui se seraient produits dans la production réelle du matériel ou de l'énergie. Les impacts évités d'un processus sont déduits des impacts provoqués par d'autres processus.



Dans l'état actuel des connaissances, il n'y a aucune base scientifique qui permette d'agréger les diverses catégories d'impacts sur l'environnement afin de mener à des scores environnementaux simples. En conséquence, l'évaluation environnementale de chaque système est décrite par un ensemble d'indicateurs environnementaux (acidification, effet de serre …).

En dépit de ces problèmes, il est assez aisé d'effectuer un inventaire d'impact. Il est peu raisonnable, cependant, de traiter les résultats comme vérité absolue. Des facteurs tels que le choix des frontières de technologie et de système, la qualité etc. de données doivent être pris en considération en les interprétant. C'est pourquoi certains experts sont en désaccord quand à la performance environnementale de certains produits.

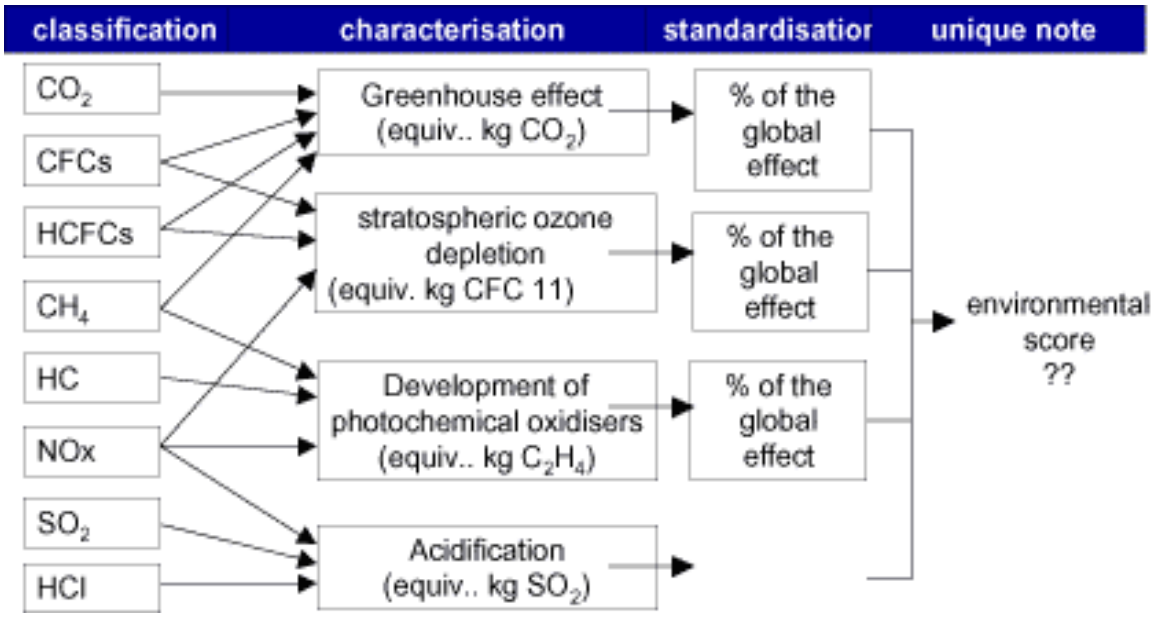
1.1.4 Évaluation des impacts environnementaux

L'inventaire est le résultat le plus objectif d'une étude ACV. Cependant, il est difficile d'interpréter une liste de substances. Pour faciliter cette tâche, l'évaluation d'impact de cycle de vie est employée pour évaluer les incidences sur l'environnement.

Deux problèmes existent concernant l'évaluation des impacts sur l'environnement :

- Les données ne sont pas suffisantes pour calculer les dommages provoqués par un impact donné aux écosystèmes.
- Il n'y a aucune manière généralement admise de mesurer des dommages quantifiables causés aux écosystèmes.

Une approche générale pour calculer des incidences sur l'environnement potentielles est décrite ci-après en conformité avec les normes de l'ISO relatives aux ACV (ISO 14042, 14043).



Classification et caractérisation

Dans l'étape de classification, toutes les substances sont classées selon l'effet qu'elles ont sur l'environnement. Par exemple, des substances qui contribuent à l'effet de serre ou qui contribuent à l'épuisement de la couche d'ozone sont divisées en deux classes. Certaines substances sont inclues dans plus d'une classe. Par exemple, les NOx s'avèrent toxiques, acidifiants et entraînant l'eutrophisation.

Les substances sont agrégées dans chaque classe pour produire des *scores d'effet*. Il n'est pas suffisant d'ajouter les quantités de substances impliquées sans appliquer des pondérations. Quelques substances peuvent avoir un effet plus intense que d'autres. Ce problème est traité en appliquant des facteurs de pondération (ou facteurs de caractérisation) aux différentes substances. Cette étape est désignée sous le nom de l'étape de caractérisation.

Des émissions sont multipliées par le facteur correspondant avant d'être additionnées par classe. Les résultats sont les points d'effet.

Tableau 1: Exemple d'étape de caractérisation pour un petit Tableau de inventaire

Emission	Quantity (kg)	Greenhouse	Ozone layer depletion	Human toxicity	Acidification
CO2	1.792	**x 1**	-	-	-
CO	0.000670	-	-	**x 0.012**	-
NOx	0.001091	-	-	**x 0.78**	**x 0.7**
SO2	0.000987	-	-	**x 1.2**	**x 1**
Effect scores:		1.792	0	0.00204	0.0017

L'interprétation de ces scores prête moins à confusion que l'interprétation d'une liste de substance, mais est nullement sans problèmes. Si tous les scores pour un produit sont plus hauts que ceux pour des autres, il est assez facile de conclure ce qui est plus bénéfique pour l'environnement. Mais si on a un plus haut score pour l'acidification, alors que l'autre a un plus haut score pour l'effet de serre il devient difficile de justifier une telle conclusion.

L'interprétation dépend de deux facteurs :

- La taille relative de l'effet a comparé à la taille des autres effets. Dans cet exemple il est important de voir si les points d'écotoxicité de 100% se rapportent à un niveau d'effet très élevé ou extrêmement bas. C'est la normalisation.
- L'importance relative attachée aux divers effets sur l'environnement. C'est l'évaluation

Il est important de rappeler que les ACV évaluent des **impacts potentiels et des impacts non réels**. Le terme "potentiel" couvre trois caractéristiques des ACV :

- L'évaluation des impacts sur l'environnement dépend **de la connaissance scientifique** courante et des modèles existants, qui est intrinsèquement **limitée**.
- Des impacts sur l'environnement sont évalués et agrégés à partir **des flux élémentaires entrants et sortants** aux différentes étapes de cycle de vie ce qui signifie à des temps et des lieux géographiques différents.
- Quand l'impact sur l'environnement est global (par exemple l'épuisement des ressources non renouvelables ou le réchauffement climatique) et les entrées ou les sorties sont cumulatives (par exemple les gaz à effet de serre ou les ressources non renouvelables), aucune différence n'est faite
- Mais quand les impacts sur l'environnement sont locaux (par exemple l'acidification de l'air) ou quand les entrées/sorties ne sont pas cumulatives (c.-à-d. bruit) , l'agrégation des contributions des entrées/sorties aux impacts sur l'environnement étudiés a comme conséquence des impacts potentiels. Par exemple, agréger des impacts locaux comme le bruit et l'odeur n'a pas beaucoup du sens parce que ce sont des impacts non globaux et non cumulatifs qui sont plutôt dépendants de l'endroit des "émissions".
- Ainsi les ACV évaluent des **impacts potentiels maximum** sur **l'environnement** comme si toutes les entrées et sorties se produisent à un même endroit de l'espace et en même temps
- Pour un phénomène physique donné (par exemple l'acidification de l'air), les ACV ne mesurent pas le « point final » (comme dans les méthodes de monétarisation : les maladies respiratoires provoquées par une augmentation de l'acidité d'air…) ; rarement les impacts « médian » (par exemple le potentiel photochimique de création de l'ozone) mais généralement **des impacts " de début",** c.-à-d. l'influence que les polluants émis peuvent avoir sur l'environnement (acidité de l'air dans cet exemple). Ceci donne une échelle pour évaluer la contribution aux impacts sur l'environnement mais pas à une quantification des incidences sur l'environnement elle-même (plus la valeur d'impact mesurée dans l'ACV est haute, plus les incidences sur l'environnement sont haute, sans les mesurer directement).

Tableau 2:: exemple pour l'acidification de l'air

Type of impact	*Scope*	*Unit*	*Where it is quantified*
Start point impact	Quantity of air emissions which influence air acidity	g SO2 equivalent	LCAs
Mid point impact	Air acidification (i.e. increase of air acidity) due to pollutants emitted	Proton concentration in the air (acidity quantity) g H^+ / m^3	Impact studies
End point impact	Social impacts of air acidification on human and ecosystems (such as respiratory diseases)	i.e. Number of years of life lost	External cost analyses

Limite des impacts environnementaux considérés

La notion d'environnement est vague. Le but de l'analyse du cycle de vie n'est pas de couvrir l'issue environnementale entière : seulement ce qui est quantitatif (mesurable) et étendu (qui peut être ajouté tout au long d'un cycle de vie entier) est pris en considération. On parle de la comptabilité environnementale.
Quelques catégories d'impact ou ne sont pas bien considérés dans les ACV pour deux raisons principales :

- soient elles ne sont pas compatibles avec la méthodologie des ACV, comme :
    - bruit,
    - odeur,
    - conservation de nature (biodiversité, etc.),
    - perturbation du sol[1],
    - désagréments,
    - risque d'accidents (nucléaires, fuites d'huile, transport…).

Comme mentionné ci-dessus, une des raisons est que l'agrégation des impacts locaux comme le bruit et l'odeur n'a pas beaucoup de sens parce que ce sont des impacts non globaux et non cumulatifs mais plutôt dépendants du lieu des "émissions".

- Soient elles sont mal évaluées dans les bases de données d'ACV disponibles, telles que :
    - Les déchets nucléaires,
    - La toxicité des produits,
    - L'utilisation des terres.

Par conséquent, l'étude se concentrera seulement sur les incidences sur l'environnement généralement évaluées dans les ACV.

[1] c.-à-d. effets liés à l'utilisation de la terre (par des activités humaines) sur la structure et le fonctionnement des écosystèmes.

ANNEXE 3 : FACTEURS DE CARACTERISATION DES INDICATEURS D'IMPACTS POTENTIELS SUR L'ENVIRONNEMENT

Abiotic depletion		kg Sb eq	
Aluminium, 24% in bauxite, 11% in crude ore, in ground	Raw	kg	0,00000001
Anhydrite, in ground	Raw	kg	0,0000842
Barite, 15% in crude ore, in ground	Raw	kg	0,0000491
Borax, in ground	Raw	kg	0,001
Calcite, in ground	Raw	kg	2,83E-10
Chromium, 25.5 in chromite, 11.6% in crude ore, in ground	Raw	kg	0,000858
Chrysotile, in ground	Raw	kg	7,05E-09
Cinnabar, in ground	Raw	kg	0,427
Coal, brown, in ground	Raw	kg	0,00671
Coal, hard, unspecified, in ground	Raw	kg	0,0134
Cobalt, in ground	Raw	kg	0,0000262
Colemanite, in ground	Raw	kg	0,000117
Copper, 0.99% in sulfide, Cu 0.36% and Mo 8.2E-3% in crude ore, in ground	Raw	kg	0,00194
Copper, 1.18% in sulfide, Cu 0.39% and Mo 8.2E-3% in crude ore, in ground	Raw	kg	0,00194
Copper, 1.42% in sulfide, Cu 0.81% and Mo 8.2E-3% in crude ore, in ground	Raw	kg	0,00194
Copper, 2.19% in sulfide, Cu 1.83% and Mo 8.2E-3% in crude ore, in ground	Raw	kg	0,00194
Diatomite, in ground	Raw	kg	1,26E-11
Dolomite, in ground	Raw	kg	1,4E-10
Fluorine, 4.5% in apatite, 1% in crude ore, in ground	Raw	kg	0,00000296
Fluorine, 4.5% in apatite, 3% in crude ore, in ground	Raw	kg	0,00000296
Fluorspar, 92%, in ground	Raw	kg	0,000000702
Gas, mine, off-gas, process, coal mining/m3	Raw	kg	0,0187
Gas, natural, in ground	Raw	kg	0,0187
Gypsum, in ground	Raw	kg	0,0000155
Iron, 46% in ore, 25% in crude ore, in ground	Raw	kg	8,43E-08
Kaolinite, 24% in crude ore, in ground	Raw	kg	2,1E-09
Kieserite, 25% in crude ore, in ground	Raw	kg	0,0000831
Lead, 5%, in sulfide, Pb 2.97% and Zn 5.34% in crude ore, in ground	Raw	kg	0,0135
Magnesite, 60% in crude ore, in ground	Raw	kg	1,07E-09
Manganese, 35.7% in sedimentary deposit, 14.2% in crude ore, in ground	Raw	kg	0,0000138
Molybdenum, 0.010% in sulfide, Mo 8.2E-3% and Cu 1.83% in crude ore, in g	Raw	kg	0,0317
Molybdenum, 0.014% in sulfide, Mo 8.2E-3% and Cu 0.81% in crude ore, in g	Raw	kg	0,0317
Molybdenum, 0.022% in sulfide, Mo 8.2E-3% and Cu 0.36% in crude ore, in g	Raw	kg	0,0317
Molybdenum, 0.025% in sulfide, Mo 8.2E-3% and Cu 0.39% in crude ore, in g	Raw	kg	0,0317
Nickel, 1.13% in sulfide, Ni 0.76% and Cu 0.76% in crude ore, in ground	Raw	kg	0,000108
Nickel, 1.98% in silicates, 1.04% in crude ore, in ground	Raw	kg	0,000108
Oil, crude, in ground	Raw	kg	0,0201
Pd, Pd 2.0E-4%, Pt 4.8E-4%, Rh 2.4E-5%, Ni 3.7E-2%, Cu 5.2E-2% in ore, ir	Raw	kg	0,323
Pd, Pd 7.3E-4%, Pt 2.5E-4%, Rh 2.0E-5%, Ni 2.3E+0%, Cu 3.2E+0% in ore,	Raw	kg	0,323
Phosphorus, 18% in apatite, 12% in crude ore, in ground	Raw	kg	0,0000844
Phosphorus, 18% in apatite, 4% in crude ore, in ground	Raw	kg	0,0000844
Pt, Pt 2.5E-4%, Pd 7.3E-4%, Rh 2.0E-5%, Ni 2.3E+0%, Cu 3.2E+0% in ore, i	Raw	kg	1,29
Pt, Pt 4.8E-4%, Pd 2.0E-4%, Rh 2.4E-5%, Ni 3.7E-2%, Cu 5.2E-2% in ore, in	Raw	kg	1,29
Rh, Rh 2.0E-5%, Pt 2.5E-4%, Pd 7.3E-4%, Ni 2.3E+0%, Cu 3.2E+0% in ore,	Raw	kg	32,3
Rh, Rh 2.4E-5%, Pt 4.8E-4%, Pd 2.0E-4%, Ni 3.7E-2%, Cu 5.2E-2% in ore, ir	Raw	kg	32,3
Rhenium, in crude ore, in ground	Raw	kg	0,766
Rutile, in ground	Raw	kg	2,64E-08
Silver, 0.01% in crude ore, in ground	Raw	kg	1,84
Sodium chloride, in ground	Raw	kg	2,95E-08
Sodium sulphate, various forms, in ground	Raw	kg	0,000081
Stibnite, in ground	Raw	kg	0,779
Sulfur, in ground	Raw	kg	0,000358
Sylvite, 25 % in sylvinite, in ground	Raw	kg	2,31E-08
Talc, in ground	Raw	kg	7,25E-10
Tin, 79% in cassiterite, 0.1% in crude ore, in ground	Raw	kg	0,033
TiO2, 45-60% in Ilmenite, in ground	Raw	kg	2,64E-08
Ulexite, in ground	Raw	kg	0,000803
Uranium, in ground	Raw	kg	0,00287
Zinc 9%, in sulfide, Zn 5.34% and Pb 2.97% in crude ore, in ground	Raw	kg	0,000992

Global warming (GWP100)		kg CO2 eq		
Carbon dioxide, in air	Raw	in air	kg	
Carbon dioxide, fossil	Air		kg	1
Carbon dioxide, biogenic	Air		kg	
Dinitrogen monoxide	Air		kg	296
Ethane, 1,1,1,2-tetrafluoro-, HFC-134a	Air		kg	1300
Ethane, hexafluoro-, HFC-116	Air		kg	11900
Methane, fossil	Air		kg	23
Methane, tetrafluoro-, FC-14	Air		kg	5700
Carbon dioxide, fossil	Air	high. pop.	kg	1
Carbon dioxide, biogenic	Air	high. pop.	kg	
Dinitrogen monoxide	Air	high. pop.	kg	296
Ethane, 1,1,1,2-tetrafluoro-, HFC-134a	Air	high. pop.	kg	1300
Methane, biogenic	Air	high. pop.	kg	23
Methane, chlorodifluoro-, HCFC-22	Air	high. pop.	kg	1700
Methane, dichlorodifluoro-, CFC-12	Air	high. pop.	kg	10600
Methane, dichlorofluoro-, HCFC-21	Air	high. pop.	kg	210
Methane, fossil	Air	high. pop.	kg	23
Methane, tetrachloro-, CFC-10	Air	high. pop.	kg	1800
Methane, trichlorofluoro-, CFC-11	Air	high. pop.	kg	4600
Methane, trifluoro-, HFC-23	Air	high. pop.	kg	12000
Carbon dioxide, fossil	Air	low. pop.	kg	1
Carbon dioxide, biogenic	Air	low. pop.	kg	
Dinitrogen monoxide	Air	low. pop.	kg	296
Ethane, 1,1,1,2-tetrafluoro-, HFC-134a	Air	low. pop.	kg	1300
Ethane, 1,2-dichloro-1,1,2,2-tetrafluoro-, CFC-114	Air	low. pop.	kg	9800
Methane, biogenic	Air	low. pop.	kg	23
Methane, bromochlorodifluoro-, Halon 1211	Air	low. pop.	kg	1300
Methane, bromotrifluoro-, Halon 1301	Air	low. pop.	kg	6900
Methane, chlorodifluoro-, HCFC-22	Air	low. pop.	kg	1700
Methane, dichlorodifluoro-, CFC-12	Air	low. pop.	kg	10600
Methane, fossil	Air	low. pop.	kg	23
Carbon dioxide, fossil	Air	stratosphere + trop	kg	1
Dinitrogen monoxide	Air	stratosphere + trop	kg	296
Methane, fossil	Air	stratosphere + trop	kg	23

Ozone layer depletion (ODP)		kg CFC-11 eq		
Methane, chlorodifluoro-, HCFC-22	Air	high. pop.	kg	0,03
Methane, dichlorodifluoro-, CFC-12	Air	high. pop.	kg	0,82
Methane, monochloro-, R-40	Air	high. pop.	kg	0,02
Methane, tetrachloro-, CFC-10	Air	high. pop.	kg	1,20
Methane, trichlorofluoro-, CFC-11	Air	high. pop.	kg	1,00
Ethane, 1,2-dichloro-1,1,2,2-tetrafluoro-, CFC-114	Air	low. pop.	kg	0,85
Methane, bromochlorodifluoro-, Halon 1211	Air	low. pop.	kg	5,10
Methane, bromotrifluoro-, Halon 1301	Air	low. pop.	kg	12,00
Methane, chlorodifluoro-, HCFC-22	Air	low. pop.	kg	0,03
Methane, dichlorodifluoro-, CFC-12	Air	low. pop.	kg	0,82

Human toxicity		kg 1,4-DB eq		
Ammonia	Air		kg	0,10
Antimony	Air		kg	6710,00
Arsenic	Air		kg	348000,00
Benzene	Air		kg	1900,00
Benzene, hexachloro-	Air		kg	3160000,00
Beryllium	Air		kg	227000,00
Butadiene	Air		kg	2220,00
Cadmium	Air		kg	145000,00
Chromium	Air		kg	647,00
Chromium VI	Air		kg	3430000,00
Cobalt	Air		kg	17500,00
Copper	Air		kg	4300,00
Dioxins, measured as 2,3,7,8-tetrachlorodibenzo-p-dioxin	Air		kg	1930000000,00
Ethylene oxide	Air		kg	14100,00
Formaldehyde	Air		kg	0,83
Hydrogen chloride	Air		kg	0,50
Hydrogen fluoride	Air		kg	2850,00
Hydrogen sulfide	Air		kg	0,22
Lead	Air		kg	467,00
Mercury	Air		kg	6010,00
Molybdenum	Air		kg	5430,00
Nickel	Air		kg	35000,00
Nitrogen oxides	Air		kg	1,20
PAH, polycyclic aromatic hydrocarbons	Air		kg	572000,00
Particulates, < 2.5 um	Air		kg	0,82
Particulates, > 2.5 um, and < 10um	Air		kg	0,82
Phenol	Air		kg	0,52
Selenium	Air		kg	47700,00
Sulfur dioxide	Air		kg	0,10
Thallium	Air		kg	432000,00
Tin	Air		kg	1,73
Toluene	Air		kg	0,33
Vanadium	Air		kg	6240,00
Zinc	Air		kg	104,00
Acenaphthene	Air	high. pop.	kg	572000,00
Acrolein	Air	high. pop.	kg	56,90
Ammonia	Air	high. pop.	kg	0,10
Antimony	Air	high. pop.	kg	6710,00
Arsenic	Air	high. pop.	kg	348000,00
Barium	Air	high. pop.	kg	756,00
Benzene	Air	high. pop.	kg	1900,00
Benzene, ethyl-	Air	high. pop.	kg	0,97
Benzene, hexachloro-	Air	high. pop.	kg	3160000,00
Benzene, pentachloro-	Air	high. pop.	kg	409,00
Beryllium	Air	high. pop.	kg	227000,00
Cadmium	Air	high. pop.	kg	145000,00
Carbon disulfide	Air	high. pop.	kg	2,41
Chloroform	Air	high. pop.	kg	12,70
Chromium	Air	high. pop.	kg	647,00
Chromium VI	Air	high. pop.	kg	3430000,00
Cobalt	Air	high. pop.	kg	17500,00
Copper	Air	high. pop.	kg	4300,00
Dioxins, measured as 2,3,7,8-tetrachlorodibenzo-p-dioxin	Air	high. pop.	kg	1930000000,00
Ethane, 1,2-dichloro-	Air	high. pop.	kg	6,81
Ethene	Air	high. pop.	kg	0,64

Human toxicity		kg 1,4-DB eq		
Ethene, chloro-	Air	high. pop.	kg	84,30
Ethylene oxide	Air	high. pop.	kg	14100,00
Formaldehyde	Air	high. pop.	kg	0,83
Hydrogen chloride	Air	high. pop.	kg	0,50
Hydrogen fluoride	Air	high. pop.	kg	2850,00
Hydrogen sulfide	Air	high. pop.	kg	0,22
Lead	Air	high. pop.	kg	467,00
m-Xylene	Air	high. pop.	kg	0,03
Mercury	Air	high. pop.	kg	6010,00
Methane, dichloro-, HCC-30	Air	high. pop.	kg	1,98
Methane, tetrachloro-, CFC-10	Air	high. pop.	kg	220,00
Molybdenum	Air	high. pop.	kg	5430,00
Nickel	Air	high. pop.	kg	35000,00
Nitrogen oxides	Air	high. pop.	kg	1,20
PAH, polycyclic aromatic hydrocarbons	Air	high. pop.	kg	572000,00
Particulates, < 2.5 um	Air	high. pop.	kg	0,82
Particulates, > 2.5 um, and < 10um	Air	high. pop.	kg	0,82
Phenol	Air	high. pop.	kg	0,52
Phenol, pentachloro-	Air	high. pop.	kg	5,08
Propylene oxide	Air	high. pop.	kg	1260,00
Selenium	Air	high. pop.	kg	47700,00
Sodium dichromate	Air	high. pop.	kg	1360000,00
Sulfur dioxide	Air	high. pop.	kg	0,10
Thallium	Air	high. pop.	kg	432000,00
Tin	Air	high. pop.	kg	1,73
Toluene	Air	high. pop.	kg	0,33
Vanadium	Air	high. pop.	kg	6240,00
Zinc	Air	high. pop.		104,00
Acrolein	Air	low. pop.		56,90
Ammonia	Air	low. pop.		0,10
Antimony	Air	low. pop.		6710,00
Arsenic	Air	low. pop.		348 000,00
Barium	Air	low. pop.		756,00
Benzene	Air	low. pop.		1900,00
Beryllium	Air	low. pop.		227000,00
Butadiene	Air	low. pop.		2220,00
Cadmium	Air	low. pop.		145000,00
Carbon disulfide	Air	low. pop.		2,41
Chromium	Air	low. pop.		647,00
Chromium VI	Air	low. pop.		3 430 000,00
Cobalt	Air	low. pop.		17500,00
Copper	Air	low. pop.		4300,00
Dioxins, measured as 2,3,7,8-tetrachlorodibenzo-p-dioxin	Air	low. pop.		############
Ethene	Air	low. pop.		0,64
Ethylene oxide	Air	low. pop.		14100,00
Formaldehyde	Air	low. pop.		0,83
Hydrogen chloride	Air	low. pop.		0,50
Hydrogen fluoride	Air	low. pop.		2850,00
Hydrogen sulfide	Air	low. pop.		0,22
Lead	Air	low. pop.		467,00
Mercury	Air	low. pop.		6010,00
Molybdenum	Air	low. pop.		5430,00
Nickel	Air	low. pop.		35 000,00
Nitrogen oxides	Air	low. pop.		1,20
PAH, polycyclic aromatic hydrocarbons	Air	low. pop.		572000,00
Particulates, < 2.5 um	Air	low. pop.		0,82

Human toxicity		kg 1,4-DB eq		
Particulates, > 2.5 um, and < 10um	Air	low. pop.		0,82
Phenol	Air	low. pop.		0,52
Phenol, pentachloro-	Air	low. pop.		5,08
Selenium	Air	low. pop.		47700,00
Styrene	Air	low. pop.		0,05
Sulfur dioxide	Air	low. pop.		0,10
Thallium	Air	low. pop.		432000,00
Tin	Air	low. pop.		1,73
Toluene	Air	low. pop.		0,33
Vanadium	Air	low. pop.		6240,00
Zinc	Air	low. pop.		104,00
Benzene	Air	stratosphere + troposp		1900,00
Butadiene	Air	stratosphere + troposp		2220,00
Cadmium	Air	stratosphere + troposp		145000,00
Chromium	Air	stratosphere + troposp		647,00
Copper	Air	stratosphere + troposp		4300,00
Ethylene oxide	Air	stratosphere + troposp		14100,00
Formaldehyde	Air	stratosphere + troposp		0,83
Hydrogen chloride	Air	stratosphere + troposp		0,50
Lead	Air	stratosphere + troposp		467,00
Mercury	Air	stratosphere + troposp		6010,00
Nickel	Air	stratosphere + troposp		35000,00
Nitrogen oxides	Air	stratosphere + troposp		1,20
Particulates, < 2.5 um	Air	stratosphere + troposp		0,82
Selenium	Air	stratosphere + troposp		47700,00
Sulfur dioxide	Air	stratosphere + troposp		0,10
Zinc	Air	stratosphere + troposp		104,00
Arsenic, ion	Water			951,00
Cadmium, ion	Water			22,90
Chromium VI	Water			3,42
Chromium, ion	Water			2,05
Copper, ion	Water			1,34
Formaldehyde	Water			0,04
Lead	Water			12,30
Mercury	Water			1430,00
Nickel, ion	Water			331,00
Phenol	Water			0,05
Zinc, ion	Water			0,58
Antimony	Water	groundwater		5140,00
Arsenic, ion	Water	groundwater		951,00
Barium	Water	groundwater		630,00
Beryllium	Water	groundwater		14000,00
Cadmium, ion	Water	groundwater		22,90
Chromium VI	Water	groundwater		3,42
Chromium, ion	Water	groundwater		2,05
Cobalt	Water	groundwater		96,70
Copper, ion	Water	groundwater		1,34
Lead	Water	groundwater	kg	12,30
Mercury	Water	groundwater	kg	1430,00
Molybdenum	Water	groundwater	kg	5510,00
Nickel, ion	Water	groundwater	kg	331,00
Selenium	Water	groundwater	kg	56000,00
Thallium	Water	groundwater	kg	225000,00
Tin, ion	Water	groundwater	kg	0,02
Vanadium, ion	Water	groundwater	kg	3160,00
Zinc, ion	Water	groundwater	kg	0,58

Human toxicity		kg 1,4-DB eq		
Antimony	Water	groundwater, long-t	kg	5140,00
Arsenic, ion	Water	groundwater, long-t	kg	951,00
Barium	Water	groundwater, long-t	kg	630,00
Beryllium	Water	groundwater, long-t	kg	14000,00
Cadmium, ion	Water	groundwater, long-t	kg	22,90
Chromium VI	Water	groundwater, long-t	kg	3,42
Cobalt	Water	groundwater, long-t	kg	96,70
Copper, ion	Water	groundwater, long-t	kg	1,34
Lead	Water	groundwater, long-t	kg	12,30
Mercury	Water	groundwater, long-t	kg	1430,00
Molybdenum	Water	groundwater, long-t	kg	5510,00
Nickel, ion	Water	groundwater, long-t	kg	331,00
Selenium	Water	groundwater, long-t	kg	56000,00
Thallium	Water	groundwater, long-t	kg	225000,00
Tin, ion	Water	groundwater, long-t	kg	0,02
Vanadium, ion	Water	groundwater, long-t	kg	3160,00
Zinc, ion	Water	groundwater, long-t	kg	0,58
Acenaphthene	Water	ocean	kg	28800,00
Acenaphthylene	Water	ocean	kg	28800,00
Arsenic, ion	Water	ocean	kg	2400,00
Barite	Water	ocean	kg	473,00
Barium	Water	ocean	kg	805,00
Benzene	Water	ocean	kg	210,00
Benzene, ethyl-	Water	ocean	kg	0,07
Cadmium, ion	Water	ocean	kg	104,00
Chromium, ion	Water	ocean	kg	10,00
Cobalt	Water	ocean	kg	60,50
Copper, ion	Water	ocean	kg	5,91
Lead	Water	ocean	kg	78,80
Mercury	Water	ocean	kg	8200,00
Molybdenum	Water	ocean	kg	6790,00
Nickel, ion	Water	ocean	kg	747,00
PAH, polycyclic aromatic hydrocarbons	Water	ocean	kg	28800,00
Phenol	Water	ocean	kg	0,00
Selenium	Water	ocean	kg	62900,00
Toluene	Water	ocean	kg	0,04
Tributyltin compounds	Water	ocean	kg	54,60
Vanadium, ion	Water	ocean	kg	6230,00
Xylene	Water	ocean	kg	0,02
Zinc, ion	Water	ocean	kg	3,20
Acenaphthene	Water	river	kg	280000,00
Acenaphthylene	Water	river	kg	280000,00
Antimony	Water	river	kg	5140,00
Arsenic, ion	Water	river	kg	951,00
Barium	Water	river	kg	630,00
Benzene	Water	river	kg	1830,00
Benzene, ethyl-	Water	river	kg	0,83
Beryllium	Water	river	kg	14000,00
Cadmium, ion	Water	river	kg	22,90
Chloroform	Water	river	kg	12,50
Chromium VI	Water	river	kg	3,42
Chromium, ion	Water	river	kg	2,05
Cobalt	Water	river	kg	96,70
Copper, ion	Water	river	kg	1,34
Dichromate	Water	river	kg	1,65

Human toxicity		kg 1,4-DB eq		
Ethane, 1,2-dichloro-	Water	river	kg	27,90
Ethene	Water	river	kg	0,65
Ethene, chloro-	Water	river	kg	145,00
Ethylene oxide	Water	river	kg	11400,00
Formaldehyde	Water	river	kg	0,04
Lead	Water	river	kg	12,30
Mercury	Water	river	kg	1430,00
Methane, dichloro-, HCC-30	Water	river	kg	1,84
Molybdenum	Water	river	kg	5510,00
Nickel, ion	Water	river	kg	331,00
PAH, polycyclic aromatic hydrocarbons	Water	river	kg	280000,00
Phenol	Water	river	kg	0,05
Propylene oxide	Water	river	kg	2640,00
Selenium	Water	river	kg	56000,00
Thallium	Water	river	kg	225000,00
Tin, ion	Water	river	kg	0,02
Toluene	Water	river	kg	0,30
Vanadium, ion	Water	river	kg	3160,00
Xylene	Water	river	kg	0,43
Zinc, ion	Water	river	kg	0,58
Cadmium	Soil		kg	66,70
Chromium	Soil		kg	300,00
Chromium VI	Soil		kg	500,00
Copper	Soil		kg	1,25
Lead	Soil		kg	293,00
Nickel	Soil		kg	198,00
Zinc	Soil		kg	0,42
Antimony	Soil	agricultural	kg	8890,00
Arsenic	Soil	agricultural	kg	31800,00
Atrazine	Soil	agricultural	kg	21,30
Barium	Soil	agricultural	kg	363,00
Bentazone	Soil	agricultural	kg	15,10
Cadmium	Soil	agricultural	kg	19600,00
Chlorothalonil	Soil	agricultural	kg	0,94
Chromium	Soil	agricultural	kg	5130,00
Cobalt	Soil	agricultural	kg	2390,00
Copper	Soil	agricultural	kg	93,90
Cypermethrin	Soil	agricultural	kg	5200,00
Dinoseb	Soil	agricultural	kg	562,00
Glyphosate	Soil	agricultural	kg	0,01
Lead	Soil	agricultural	kg	3280,00
Linuron	Soil	agricultural	kg	169,00
Mercury	Soil	agricultural	kg	5920,00
Metolachlor	Soil	agricultural	kg	11,40
Molybdenum	Soil	agricultural	kg	6170,00
Nickel	Soil	agricultural	kg	2680,00
Pirimicarb	Soil	agricultural	kg	26,10
Tin	Soil	agricultural	kg	13,10
Vanadium	Soil	agricultural	kg	18500,00
Zinc	Soil	agricultural	kg	63,70
Arsenic	Soil	industrial	kg	1020,00
Barium	Soil	industrial	kg	318,00
Chromium	Soil	industrial	kg	300,00
Copper	Soil	industrial	kg	1,25
Glyphosate	Soil	industrial	kg	0,00
Zinc	Soil	industrial	kg	0,42
Tetrachloroethylene	Air		kg	5,50

Fresh water aquatic ecotox.		kg 1,4-DB eq		
Antimony	Air		kg	3,72
Arsenic	Air		kg	49,50
Benzene	Air		kg	0,00
Benzene, hexachloro-	Air		kg	1,33
Benzo(a)pyrene	Air		kg	87,80
Beryllium	Air		kg	17100,00
Butadiene	Air		kg	0,00
Cadmium	Air		kg	289,00
Chromium VI	Air		kg	7,69
Cobalt	Air		kg	639,00
Copper	Air		kg	222,00
Dioxins, measured as 2,3,7,8-tetrachlorodibenzo-p-dioxin	Air		kg	2130000,00
Ethylene oxide	Air		kg	0,10
Formaldehyde	Air		kg	8,26
Hydrogen fluoride	Air		kg	4,64
Lead	Air		kg	2,40
Mercury	Air		kg	317,00
Molybdenum	Air		kg	97,30
Nickel	Air		kg	629,00
PAH, polycyclic aromatic hydrocarbons	Air		kg	172,00
Phenol	Air		kg	1,52
Selenium	Air		kg	546,00
Thallium	Air		kg	1550,00
Tin	Air		kg	2,54
Toluene	Air		kg	0,00
Vanadium	Air		kg	1730,00
Zinc	Air		kg	17,80
Acenaphthene	Air	high. pop.	kg	172,00
Acrolein	Air	high. pop.	kg	519,00
Antimony	Air	high. pop.	kg	3,72
Arsenic	Air	high. pop.	kg	49,50
Barium	Air	high. pop.	kg	42,80
Benzene	Air	high. pop.	kg	0,00
Benzene, ethyl-	Air	high. pop.	kg	0,00
Benzene, hexachloro-	Air	high. pop.	kg	1,33
Benzene, pentachloro-	Air	high. pop.	kg	0,37
Benzo(a)pyrene	Air	high. pop.	kg	87,80
Beryllium	Air	high. pop.	kg	17100,00
Cadmium	Air	high. pop.	kg	289,00
Carbon disulfide	Air	high. pop.	kg	0,03
Chloroform	Air	high. pop.	kg	0,00
Chromium VI	Air	high. pop.	kg	7,69
Cobalt	Air	high. pop.	kg	639,00
Copper	Air	high. pop.	kg	222,00
Dioxins, measured as 2,3,7,8-tetrachlorodibenzo-p-dioxin	Air	high. pop.	kg	2130000,00
Ethane, 1,2-dichloro-	Air	high. pop.	kg	0,00
Ethene	Air	high. pop.	kg	0,00
Ethene, chloro-	Air	high. pop.	kg	0,00
Ethylene oxide	Air	high. pop.	kg	0,10
Formaldehyde	Air	high. pop.	kg	8,26
Hydrogen fluoride	Air	high. pop.	kg	4,64
Lead	Air	high. pop.	kg	2,40
m-Xylene	Air	high. pop.	kg	0,00
Mercury	Air	high. pop.	kg	317,00
Methane, dichloro-, HCC-30	Air	high. pop.	kg	0,00
Methane, tetrachloro-, CFC-10	Air	high. pop.	kg	0,00
Molybdenum	Air	high. pop.	kg	97,30
Nickel	Air	high. pop.	kg	629,00
PAH, polycyclic aromatic hydrocarbons	Air	high. pop.	kg	172,00
Phenol	Air	high. pop.	kg	1,52

Fresh water aquatic ecotox.		kg 1,4-DB eq		
Phenol, pentachloro-	Air	high. pop.	kg	10,50
Propylene oxide	Air	high. pop.	kg	0,04
Selenium	Air	high. pop.	kg	546,00
Sodium dichromate	Air	high. pop.	kg	3,05
Thallium	Air	high. pop.	kg	1550,00
Tin	Air	high. pop.	kg	2,54
Toluene	Air	high. pop.	kg	0,00
Vanadium	Air	high. pop.	kg	1730,00
Zinc	Air	high. pop.	kg	17,80
Acrolein	Air	low. pop.	kg	519,00
Antimony	Air	low. pop.	kg	3,72
Arsenic	Air	low. pop.	kg	49,50
Barium	Air	low. pop.	kg	42,80
Benzene	Air	low. pop.	kg	0,00
Benzo(a)pyrene	Air	low. pop.	kg	87,80
Beryllium	Air	low. pop.	kg	17100,00
Butadiene	Air	low. pop.	kg	0,00
Cadmium	Air	low. pop.	kg	289,00
Carbon disulfide	Air	low. pop.	kg	0,03
Chromium VI	Air	low. pop.	kg	7,69
Cobalt	Air	low. pop.	kg	639,00
Copper	Air	low. pop.	kg	222,00
Dioxins, measured as 2,3,7,8-tetrachlorodibenzo-p-dioxin	Air	low. pop.	kg	2130000,00
Ethene	Air	low. pop.	kg	0,00
Ethylene oxide	Air	low. pop.	kg	0,10
Formaldehyde	Air	low. pop.	kg	8,26
Hydrogen fluoride	Air	low. pop.	kg	4,64
Lead	Air	low. pop.	kg	2,40
Mercury	Air	low. pop.	kg	317,00
Molybdenum	Air	low. pop.	kg	97,30
Nickel	Air	low. pop.	kg	629,00
PAH, polycyclic aromatic hydrocarbons	Air	low. pop.	kg	172,00
Phenol	Air	low. pop.	kg	1,52
Phenol, pentachloro-	Air	low. pop.	kg	10,50
Selenium	Air	low. pop.	kg	546,00
Styrene	Air	low. pop.	kg	0,00
Thallium	Air	low. pop.	kg	1550,00
Tin	Air	low. pop.	kg	2,54
Toluene	Air	low. pop.	kg	0,00
Vanadium	Air	low. pop.	kg	1730,00
Zinc	Air	low. pop.	kg	17,80
Benzene	Air	stratosphere + trop	kg	0,00
Butadiene	Air	stratosphere + trop	kg	0,00
Cadmium	Air	stratosphere + trop	kg	289,00
Copper	Air	stratosphere + trop	kg	222,00
Ethylene oxide	Air	stratosphere + trop	kg	0,10
Formaldehyde	Air	stratosphere + trop	kg	8,26
Lead	Air	stratosphere + trop	kg	2,40
Mercury	Air	stratosphere + trop	kg	317,00
Nickel	Air	stratosphere + trop	kg	629,00
Selenium	Air	stratosphere + trop	kg	546,00
Zinc	Air	stratosphere + trop	kg	17,80
Arsenic, ion	Water			207,00
Cadmium, ion	Water			1520,00
Chromium VI	Water			27,70
Chromium, ion	Water			6,91
Copper, ion	Water			1160,00
Formaldehyde	Water			281,00
Lead	Water			9,62
Mercury	Water			1720,00

Fresh water aquatic ecotox.		kg 1,4-DB eq		
Nickel, ion	Water			3240,00
Phenol	Water			237,00
Zinc, ion	Water			91,70
Antimony	Water	groundwater		19,70
Arsenic, ion	Water	groundwater		207,00
Barium	Water	groundwater		228,00
Beryllium	Water	groundwater		91300,00
Cadmium, ion	Water	groundwater		1520,00
Chromium VI	Water	groundwater		27,70
Cobalt	Water	groundwater		3410,00
Copper, ion	Water	groundwater		1160,00
Lead	Water	groundwater		9,62
Mercury	Water	groundwater		1720,00
Molybdenum	Water	groundwater		476,00
Nickel, ion	Water	groundwater		3240,00
Selenium	Water	groundwater		2920,00
Thallium	Water	groundwater	kg	8010,00
Tin, ion	Water	groundwater	kg	10,20
Vanadium, ion	Water	groundwater	kg	8970,00
Zinc, ion	Water	groundwater	kg	91,70
Antimony	Water	groundwater, long-t	kg	19,70
Arsenic, ion	Water	groundwater, long-t	kg	207,00
Barium	Water	groundwater, long-t	kg	228,00
Beryllium	Water	groundwater, long-t	kg	91300,00
Cadmium, ion	Water	groundwater, long-t	kg	1520,00
Chromium VI	Water	groundwater, long-t	kg	27,70
Cobalt	Water	groundwater, long-t	kg	3410,00
Copper, ion	Water	groundwater, long-t	kg	1160,00
Lead	Water	groundwater, long-t	kg	9,62
Mercury	Water	groundwater, long-t	kg	1720,00
Molybdenum	Water	groundwater, long-t	kg	476,00
Nickel, ion	Water	groundwater, long-t	kg	3240,00
Selenium	Water	groundwater, long-t	kg	2920,00
Thallium	Water	groundwater, long-t	kg	8010,00
Tin, ion	Water	groundwater, long-t	kg	10,20
Vanadium, ion	Water	groundwater, long-t	kg	8970,00
Zinc, ion	Water	groundwater, long-t	kg	91,70
Acenaphthene	Water	ocean	kg	0,12
Acenaphthylene	Water	ocean	kg	0,12
Arsenic, ion	Water	ocean	kg	0,00
Barite	Water	ocean	kg	0,00
Barium	Water	ocean	kg	0,00
Benzene	Water	ocean	kg	0,00
Benzene, ethyl-	Water	ocean	kg	0,00
Cadmium, ion	Water	ocean	kg	0,00
Chromium, ion	Water	ocean	kg	0,00
Cobalt	Water	ocean	kg	0,00
Copper, ion	Water	ocean	kg	0,00
Lead	Water	ocean	kg	0,00
Mercury	Water	ocean	kg	6,77
Molybdenum	Water	ocean	kg	0,00
Nickel, ion	Water	ocean	kg	0,00
PAH, polycyclic aromatic hydrocarbons	Water	ocean	kg	0,12
Phenol	Water	ocean	kg	0,00
Selenium	Water	ocean	kg	0,00
Toluene	Water	ocean	kg	0,00
Tributyltin compounds	Water	ocean	kg	3,01
Vanadium, ion	Water	ocean	kg	0,00
Xylene	Water	ocean	kg	0,00
Zinc, ion	Water	ocean	kg	0,00

Fresh water aquatic ecotox.		kg 1,4-DB eq		
Acenaphthene	Water	river	kg	27500,00
Acenaphthylene	Water	river	kg	27500,00
Antimony	Water	river	kg	19,70
Arsenic, ion	Water	river	kg	207,00
Barium	Water	river	kg	228,00
Benzene	Water	river	kg	0,09
Benzene, ethyl-	Water	river	kg	0,55
Beryllium	Water	river	kg	91300,00
Cadmium, ion	Water	river	kg	1520,00
Chloroform	Water	river	kg	0,04
Chromium VI	Water	river	kg	27,70
Chromium, ion	Water	river	kg	6,91
Cobalt	Water	river	kg	3410,00
Copper, ion	Water	river	kg	1160,00
Dichromate	Water	river	kg	13,30
Ethane, 1,2-dichloro-	Water	river	kg	0,02
Ethene	Water	river	kg	0,02
Ethene, chloro-	Water	river	kg	0,03
Ethylene oxide	Water	river	kg	9,80
Formaldehyde	Water	river	kg	281,00
Lead	Water	river	kg	9,62
Mercury	Water	river	kg	1720,00
Methane, dichloro-, HCC-30	Water	river	kg	0,01
Molybdenum	Water	river	kg	476,00
Nickel, ion	Water	river	kg	3240,00
PAH, polycyclic aromatic hydrocarbons	Water	river	kg	27500,00
Phenol	Water	river	kg	237,00
Propylene oxide	Water	river	kg	3,96
Selenium	Water	river	kg	2920,00
Thallium	Water	river	kg	8010,00
Tin, ion	Water	river	kg	10,20
Toluene	Water	river	kg	0,30
Vanadium, ion	Water	river	kg	8970,00
Xylene	Water	river	kg	0,58
Zinc, ion	Water	river	kg	91,70
Cadmium	Soil		kg	776,00
Chromium	Soil		kg	5,30
Chromium VI	Soil		kg	21,00
Copper	Soil		kg	595,00
Lead	Soil		kg	6,53
Nickel	Soil		kg	1690,00
Zinc	Soil		kg	47,70
Antimony	Soil	agricultural	kg	9,98
Arsenic	Soil	agricultural	kg	134,41
Atrazine	Soil	agricultural	kg	345,00
Barium	Soil	agricultural	kg	114,75
Bentazone	Soil	agricultural	kg	8,28
Cadmium	Soil	agricultural	kg	776,11
Chlorothalonil	Soil	agricultural	kg	1,04
Chromium	Soil	agricultural	kg	5,25
Cobalt	Soil	agricultural	kg	1712,62
Copper	Soil	agricultural	kg	594,65
Cypermethrin	Soil	agricultural	kg	199000,00
Dinoseb	Soil	agricultural	kg	20100,00
Glyphosate	Soil	agricultural	kg	0,92
Lead	Soil	agricultural	kg	6,53
Linuron	Soil	agricultural	kg	693,00
Mercury	Soil	agricultural	kg	848,13
Metolachlor	Soil	agricultural		1890,00
Molybdenum	Soil	agricultural	kg	262,07
Nickel	Soil	agricultural	kg	1690,25
Pirimicarb	Soil	agricultural		1670,00
Tin	Soil	agricultural	kg	6,90
Vanadium	Soil	agricultural	kg	4654,22
Zinc	Soil	agricultural	kg	47,75
Arsenic	Soil	industrial		134,00
Barium	Soil	industrial		115,00
Chromium	Soil	industrial	kg	5,25
Copper	Soil	industrial		595,00
Glyphosate	Soil	industrial		3,67
Zinc	Soil	industrial		47,70
Tetrachloroethylene	Air		kg	0,00

Freshwater sedimental ecotoxicity		kg 1,4-DB eq		
Antimony	Air		kg	9,07
Arsenic	Air		kg	126,65
Benzene	Air		kg	0,00
Benzene, hexachloro-	Air		kg	0,00
Benzo(a)pyrene	Air		kg	251,85
Beryllium	Air		kg	20088,83
Butadiene	Air		kg	0,00
Cadmium	Air		kg	741,95
Chromium VI	Air		kg	19,72
Cobalt	Air		kg	1057,92
Copper	Air		kg	555,14
Dioxins, measured as 2,3,7,8-tetrachlorodibenzo-p-dioxin	Air		kg	556333352,86
Ethylene oxide	Air		kg	5,98
Formaldehyde	Air		kg	4,47
Hydrogen fluoride	Air		kg	3,77
Lead	Air		kg	6,15
Mercury	Air		kg	812,11
Molybdenum	Air		kg	214,69
Nickel	Air		kg	1609,48
PAH, polycyclic aromatic hydrocarbons	Air		kg	556,40
Phenol	Air		kg	0,56
Selenium	Air		kg	635,33
Thallium	Air		kg	3927,06
Tin	Air		kg	1,30
Toluene	Air		kg	0,00
Vanadium	Air		kg	4135,28
Zinc	Air		kg	45,59
Acenaphthene	Air	high. pop.	kg	1,4-DB eq
Acrolein	Air	high. pop.	kg	1,4-DB eq
Antimony	Air	high. pop.	kg	9,07
Arsenic	Air	high. pop.	kg	126,65
Barium	Air	high. pop.	kg	96,78
Benzene	Air	high. pop.	kg	0,00
Benzene, ethyl-	Air	high. pop.	kg	0,00
Benzene, hexachloro-	Air	high. pop.	kg	0,00
Benzene, pentachloro-	Air	high. pop.	kg	0,52
Benzo(a)pyrene	Air	high. pop.	kg	251,85
Beryllium	Air	high. pop.	kg	20088,83
Cadmium	Air	high. pop.	kg	741,95
Carbon disulfide	Air	high. pop.	kg	0,03
Chloroform	Air	high. pop.	kg	0,00
Chromium VI	Air	high. pop.	kg	19,72
Cobalt	Air	high. pop.	kg	1057,92
Copper	Air	high. pop.	kg	555,14
Dioxins, measured as 2,3,7,8-tetrachlorodibenzo-p-dioxin	Air	high. pop.	kg	556333352,86
Ethane, 1,2-dichloro-	Air	high. pop.	kg	0,00
Ethene	Air	high. pop.	kg	0,00
Ethene, chloro-	Air	high. pop.	kg	1,4-DB eq
Ethylene oxide	Air	high. pop.	kg	0,06
Formaldehyde	Air	high. pop.	kg	4,47
Hydrogen fluoride	Air	high. pop.	kg	3,77
Lead	Air	high. pop.	kg	6,15
m-Xylene	Air	high. pop.	kg	0,00
Mercury	Air	high. pop.	kg	812,11
Methane, dichloro-, HCC-30	Air	high. pop.	kg	0,00
Methane, tetrachloro-, CFC-10	Air	high. pop.	kg	0,00
Molybdenum	Air	high. pop.	kg	214,69
Nickel	Air	high. pop.	kg	1609,48
PAH, polycyclic aromatic hydrocarbons	Air	high. pop.	kg	556,40
Phenol	Air	high. pop.	kg	0,56
Phenol, pentachloro-	Air	high. pop.	kg	23,83
Propylene oxide	Air	high. pop.	kg	0,02
Selenium	Air	high. pop.	kg	635,33
Sodium dichromate	Air	high. pop.	kg	1,4-DB eq
Thallium	Air	high. pop.	kg	3927,06
Tin	Air	high. pop.	kg	1,30
Toluene	Air	high. pop.	kg	0,00
Vanadium	Air	high. pop.	kg	4135,28
Zinc	Air	high. pop.	kg	45,59
Acrolein	Air	low. pop.	kg	388,09

Freshwater sedimental ecotoxicity		kg 1,4-DB eq		
Antimony	Air	low. pop.	kg	9,07
Arsenic	Air	low. pop.	kg	126,65
Barium	Air	low. pop.	kg	96,78
Benzene	Air	low. pop.	kg	0,00
Benzo(a)pyrene	Air	low. pop.	kg	251,85
Beryllium	Air	low. pop.	kg	20088,83
Butadiene	Air	low. pop.	kg	0,00
Cadmium	Air	low. pop.	kg	741,95
Carbon disulfide	Air	low. pop.	kg	0,03
Chromium VI	Air	low. pop.	kg	19,72
Cobalt	Air	low. pop.	kg	1057,92
Copper	Air	low. pop.	kg	555,14
Dioxins, measured as 2,3,7,8-tetrachlorodibenzo-p-dioxin	Air	low. pop.	kg	556333352,86
Ethene	Air	low. pop.	kg	0,00
Ethylene oxide	Air	low. pop.	kg	0,06
Formaldehyde	Air	low. pop.	kg	4,47
Hydrogen fluoride	Air	low. pop.	kg	3,77
Lead	Air	low. pop.	kg	6,15
Mercury	Air	low. pop.	kg	812,11
Molybdenum	Air	low. pop.	kg	214,69
Nickel	Air	low. pop.	kg	1609,48
PAH, polycyclic aromatic hydrocarbons	Air	low. pop.	kg	556,40
Phenol	Air	low. pop.	kg	0,56
Phenol, pentachloro-	Air	low. pop.	kg	23,83
Selenium	Air	low. pop.	kg	635,33
Styrene	Air	low. pop.	kg	0,00
Thallium	Air	low. pop.	kg	3927,06
Tin	Air	low. pop.	kg	1,30
Toluene	Air	low. pop.	kg	0,00
Vanadium	Air	low. pop.	kg	4135,28
Zinc	Air	low. pop.	kg	45,59
Benzene	Air	stratosphere + trop	kg	96,78
Butadiene	Air	stratosphere + trop	kg	0,00
Cadmium	Air	stratosphere + trop	kg	741,95
Copper	Air	stratosphere + trop	kg	555,14
Ethylene oxide	Air	stratosphere + trop	kg	5,98
Formaldehyde	Air	stratosphere + trop	kg	4,47
Lead	Air	stratosphere + trop	kg	6,15
Mercury	Air	stratosphere + trop	kg	812,11
Nickel	Air	stratosphere + trop	kg	1609,48
Selenium	Air	stratosphere + trop	kg	635,33
Zinc	Air	stratosphere + trop	kg	45,59
Arsenic, ion	Water		kg	528,92
Cadmium, ion	Water		kg	3904,19
Chromium VI	Water		kg	70,90
Chromium, ion	Water		kg	17,73
Copper, ion	Water		kg	2898,49
Formaldehyde	Water		kg	151,87
Lead	Water		kg	24,65
Mercury	Water		kg	4402,03
Nickel, ion	Water		kg	8278,16
Phenol	Water		kg	87,70
Zinc, ion	Water		kg	235,09
Antimony	Water	groundwater	kg	48,10
Arsenic, ion	Water	groundwater	kg	528,92
Barium	Water	groundwater	kg	514,71
Beryllium	Water	groundwater	kg	107126,86
Cadmium, ion	Water	groundwater	kg	3904,19
Chromium VI	Water	groundwater	kg	70,90
Chromium, ion	Water	groundwater	kg	17,73
Cobalt	Water	groundwater	kg	5640,31
Copper, ion	Water	groundwater	kg	2898,49
Lead	Water	groundwater	kg	24,65
Mercury	Water	groundwater	kg	4402,03
Molybdenum	Water	groundwater	kg	1050,49
Nickel, ion	Water	groundwater	kg	8278,16

Freshwater sedimental ecotoxicity		kg 1,4-DB eq		
Selenium	Water	groundwater	kg	3395,31
Thallium	Water	groundwater	kg	20252,31
Tin, ion	Water	groundwater	kg	5,20
Vanadium, ion	Water	groundwater	kg	21383,53
Zinc, ion	Water	groundwater	kg	235,09
Antimony	Water	groundwater, long-t	kg	48,10
Arsenic, ion	Water	groundwater, long-t	kg	528,92
Barium	Water	groundwater, long-t	kg	514,71
Beryllium	Water	groundwater, long-t	kg	107126,86
Cadmium, ion	Water	groundwater, long-t	kg	3904,19
Chromium VI	Water	groundwater, long-t	kg	70,90
Cobalt	Water	groundwater, long-t	kg	5640,31
Copper, ion	Water	groundwater, long-t	kg	2898,49
Lead	Water	groundwater, long-t	kg	24,65
Mercury	Water	groundwater, long-t	kg	4402,03
Molybdenum	Water	groundwater, long-t	kg	1050,49
Nickel, ion	Water	groundwater, long-t	kg	8278,16
Selenium	Water	groundwater, long-t	kg	3395,31
Thallium	Water	groundwater, long-t	kg	20252,31
Tin, ion	Water	groundwater, long-t	kg	5,20
Vanadium, ion	Water	groundwater, long-t	kg	21383,53
Zinc, ion	Water	groundwater, long-t	kg	235,09
Acenaphthene	Water	ocean	kg	1,4-DB eq
Acenaphthylene	Water	ocean	kg	1,4-DB eq
Arsenic, ion	Water	ocean	kg	0,00
Barite	Water	ocean	kg	1,4-DB eq
Barium	Water	ocean	kg	0,00
Benzene	Water	ocean	kg	0,00
Benzene, ethyl-	Water	ocean	kg	0,00
Cadmium, ion	Water	ocean	kg	0,00
Chromium, ion	Water	ocean	kg	0,00
Cobalt	Water	ocean	kg	0,00
Copper, ion	Water	ocean	kg	0,00
Lead	Water	ocean	kg	0,00
Mercury	Water	ocean	kg	17,36
Molybdenum	Water	ocean	kg	0,00
Nickel, ion	Water	ocean	kg	0,00
PAH, polycyclic aromatic hydrocarbons	Water	ocean	kg	0,38
Phenol	Water	ocean	kg	0,00
Selenium	Water	ocean	kg	0,00
Toluene	Water	ocean	kg	0,00
Tributyltin compounds	Water	ocean	kg	1,4-DB eq
Vanadium, ion	Water	ocean	kg	0,00
Xylene	Water	ocean	kg	1,4-DB eq
Zinc, ion	Water	ocean	kg	0,00
Acenaphthene	Water	river	kg	1,4-DB eq
Acenaphthylene	Water	river	kg	1,4-DB eq
Antimony	Water	river	kg	48,10
Arsenic, ion	Water	river	kg	528,92
Barium	Water	river	kg	514,71
Benzene	Water	river	kg	0,07
Benzene, ethyl-	Water	river	kg	0,36
Beryllium	Water	river	kg	107126,86
Cadmium, ion	Water	river	kg	3904,19
Chloroform	Water	river	kg	0,02
Chromium VI	Water	river	kg	70,90
Chromium, ion	Water	river	kg	17,73
Cobalt	Water	river	kg	5640,31
Copper, ion	Water	river	kg	2898,49
Dichromate	Water	river	kg	1,4-DB eq
Ethane, 1,2-dichloro-	Water	river	kg	0,02
Ethene	Water	river	kg	0,01
Ethene, chloro-	Water	river	kg	1,4-DB eq
Ethylene oxide	Water	river	kg	5,98
Formaldehyde	Water	river	kg	151,87
Lead	Water	river	kg	24,65
Mercury	Water	river	kg	4402,03
Methane, dichloro-, HCC-30	Water	river	kg	0,01
Molybdenum	Water	river	kg	1050,49
Nickel, ion	Water	river	kg	8278,16

Freshwater sedimental ecotoxicity		kg 1,4-DB eq		
PAH, polycyclic aromatic hydrocarbons	Water	river	kg	89190,89
Phenol	Water	river	kg	87,70
Propylene oxide	Water	river	kg	2,12
Selenium	Water	river	kg	3395,31
Thallium	Water	river	kg	20252,31
Tin, ion	Water	river	kg	5,20
Toluene	Water	river	kg	0,21
Vanadium, ion	Water	river	kg	21383,53
Xylene	Water	river	kg 1,4-DB eq	
Zinc, ion	Water	river	kg	235,09
Cadmium	Soil		kg	1989,55
Chromium	Soil		kg	13,47
Chromium VI	Soil		kg	53,89
Copper	Soil		kg	1489,31
Lead	Soil		kg	16,74
Nickel	Soil		kg	4321,76
Zinc	Soil		kg	122,39
Antimony	Soil	agricultural	kg	24,31
Arsenic	Soil	agricultural	kg	343,86
Atrazine	Soil	agricultural	kg	296,65
Barium	Soil	agricultural	kg	259,34
Bentazone	Soil	agricultural	kg	6,69
Cadmium	Soil	agricultural	kg	1989,55
Chlorothalonil	Soil	agricultural	kg	0,73
Chromium	Soil	agricultural	kg	13,47
Cobalt	Soil	agricultural	kg	2834,56
Copper	Soil	agricultural	kg	1489,31
Cypermethrin	Soil	agricultural	kg	362620,20
Dinoseb	Soil	agricultural	kg	5554,80
Glyphosate	Soil	agricultural	kg	0,90
Lead	Soil	agricultural	kg	16,74
Linuron	Soil	agricultural	kg	689,47
Mercury	Soil	agricultural	kg	2174,24
Metolachlor	Soil	agricultural	kg	1681,49
Molybdenum	Soil	agricultural	kg	578,15
Nickel	Soil	agricultural	kg	4321,76
Pirimicarb	Soil	agricultural	kg	1685,32
Tin	Soil	agricultural	kg	3,53
Vanadium	Soil	agricultural	kg	11100,51
Zinc	Soil	agricultural	kg	122,39
Arsenic	Soil	industrial	kg	343,86
Barium	Soil	industrial	kg	259,34
Chromium	Soil	industrial	kg	13,47
Copper	Soil	industrial	kg	1489,31
Glyphosate	Soil	industrial	kg	3,59
Zinc	Soil	industrial	kg	122,39

Terrestrial ecotoxicity		kg 1,4-DB eq		
Antimony	Air		kg	0,611
Arsenic	Air		kg	1610
Benzene	Air		kg	0,0000156
Benzene, hexachloro-	Air		kg	0,261
Benzo(a)pyrene	Air		kg	0,241
Beryllium	Air		kg	1770
Butadiene	Air		kg	2,32E-08
Cadmium	Air		kg	81,2
Chromium VI	Air		kg	3030
Cobalt	Air		kg	109
Copper	Air		kg	6,99
Dioxins, measured as 2,3,7,8-tetrachlorodibenzo-p-dioxin	Air		kg	12000
Ethylene oxide	Air		kg	0,00252
Formaldehyde	Air		kg	0,94
Hydrogen fluoride	Air		kg	0,00295
Lead	Air		kg	15,7
Mercury	Air		kg	28300
Molybdenum	Air		kg	17,5
Nickel	Air		kg	116
PAH, polycyclic aromatic hydrocarbons	Air		kg	1,02
Phenol	Air		kg	0,00331
Selenium	Air		kg	53,5
Thallium	Air		kg	340
Tin	Air		kg	14,4
Toluene	Air		kg	0,0000159
Vanadium	Air		kg	665
Zinc	Air		kg	12
Acenaphthene	Air	high. pop.	kg	1,02
Acrolein	Air	high. pop.	kg	16,3
Antimony	Air	high. pop.	kg	0,611
Arsenic	Air	high. pop.	kg	1610
Barium	Air	high. pop.	kg	4,86
Benzene	Air	high. pop.	kg	0,0000156
Benzene, ethyl-	Air	high. pop.	kg	0,00000143
Benzene, hexachloro-	Air	high. pop.	kg	0,261
Benzene, pentachloro-	Air	high. pop.	kg	0,0392
Benzo(a)pyrene	Air	high. pop.	kg	0,241
Beryllium	Air	high. pop.	kg	1770
Cadmium	Air	high. pop.	kg	81,2
Carbon disulfide	Air	high. pop.	kg	0,00514
Chloroform	Air	high. pop.	kg	0,0000402
Chromium VI	Air	high. pop.	kg	3030
Cobalt	Air	high. pop.	kg	109
Copper	Air	high. pop.	kg	6,99
Dioxins, measured as 2,3,7,8-tetrachlorodibenzo-p-dioxin	Air	high. pop.	kg	12000
Ethane, 1,2-dichloro-	Air	high. pop.	kg	0,0000264
Ethene	Air	high. pop.	kg	1,35E-12
Ethene, chloro-	Air	high. pop.	kg	0,000000261
Ethylene oxide	Air	high. pop.	kg	0,00252
Formaldehyde	Air	high. pop.	kg	0,94
Hydrogen fluoride	Air	high. pop.	kg	0,00295
Lead	Air	high. pop.	kg	15,7
m-Xylene	Air	high. pop.	kg	0,000000651
Mercury	Air	high. pop.	kg	28300
Methane, dichloro-, HCC-30	Air	high. pop.	kg	0,00000427
Methane, tetrachloro-, CFC-10	Air	high. pop.	kg	0,000471
Molybdenum	Air	high. pop.	kg	17,5
Nickel	Air	high. pop.	kg	116
PAH, polycyclic aromatic hydrocarbons	Air	high. pop.	kg	1,02
Phenol	Air	high. pop.	kg	0,00331
Phenol, pentachloro-	Air	high. pop.	kg	2,25
Propylene oxide	Air	high. pop.	kg	0,00151
Selenium	Air	high. pop.	kg	53,5
Sodium dichromate	Air	high. pop.	kg	1200
Thallium	Air	high. pop.	kg	340
Tin	Air	high. pop.	kg	14,4
Toluene	Air	high. pop.	kg	0,0000159

Terrestrial ecotoxicity		kg 1,4-DB eq		
Vanadium	Air	high. pop.	kg	665
Zinc	Air	high. pop.	kg	12
Acrolein	Air	low. pop.	kg	16,3
Antimony	Air	low. pop.	kg	0,611
Arsenic	Air	low. pop.	kg	1610
Barium	Air	low. pop.	kg	4,86
Benzene	Air	low. pop.	kg	0,0000156
Benzo(a)pyrene	Air	low. pop.	kg	0,241
Beryllium	Air	low. pop.	kg	1770
Butadiene	Air	low. pop.	kg	2,32E-08
Cadmium	Air	low. pop.	kg	81,2
Carbon disulfide	Air	low. pop.	kg	0,00514
Chromium VI	Air	low. pop.	kg	3030
Cobalt	Air	low. pop.	kg	109
Copper	Air	low. pop.	kg	6,99
Dioxins, measured as 2,3,7,8-tetrachlorodibenzo-p-dioxin	Air	low. pop.	kg	12000
Ethene	Air	low. pop.	kg	1,35E-12
Ethylene oxide	Air	low. pop.	kg	0,00252
Formaldehyde	Air	low. pop.	kg	0,94
Hydrogen fluoride	Air	low. pop.	kg	0,00295
Lead	Air	low. pop.	kg	15,7
Mercury	Air	low. pop.	kg	28300
Molybdenum	Air	low. pop.	kg	17,5
Nickel	Air	low. pop.	kg	116
PAH, polycyclic aromatic hydrocarbons	Air	low. pop.	kg	1,02
Phenol	Air	low. pop.	kg	0,00331
Phenol, pentachloro-	Air	low. pop.	kg	2,25
Selenium	Air	low. pop.	kg	53,5
Styrene	Air	low. pop.	kg	0,000000136
Thallium	Air	low. pop.	kg	340
Tin	Air	low. pop.	kg	14,4
Toluene	Air	low. pop.	kg	0,0000159
Vanadium	Air	low. pop.	kg	665
Zinc	Air	low. pop.	kg	12
Benzene	Air	stratosphere + trop	kg	0,0000156
Butadiene	Air	stratosphere + trop	kg	2,32E-08
Cadmium	Air	stratosphere + trop	kg	81,2
Copper	Air	stratosphere + trop	kg	6,99
Ethylene oxide	Air	stratosphere + trop	kg	0,00252
Formaldehyde	Air	stratosphere + trop	kg	0,94
Lead	Air	stratosphere + trop	kg	15,7
Mercury	Air	stratosphere + trop	kg	28300
Nickel	Air	stratosphere + trop	kg	116
Selenium	Air	stratosphere + trop	kg	53,5
Zinc	Air	stratosphere + trop	kg	12
Arsenic, ion	Water		kg	1,04E-17
Cadmium, ion	Water		kg	1,42E-20
Chromium VI	Water		kg	2,27E-19
Chromium, ion	Water		kg	2,27E-19
Copper, ion	Water		kg	4,06E-21
Formaldehyde	Water		kg	0,00156
Lead	Water		kg	4,77E-22
Mercury	Water		kg	930
Nickel, ion	Water		kg	1,03E-18
Phenol	Water		kg	0,00000249
Zinc, ion	Water		kg	2,53E-21
Antimony	Water	groundwater	kg	1,66E-20
Arsenic, ion	Water	groundwater	kg	1,04E-17
Barium	Water	groundwater	kg	5,08E-19
Beryllium	Water	groundwater	kg	3,3E-16
Cadmium, ion	Water	groundwater	kg	1,42E-20
Chromium VI	Water	groundwater	kg	2,27E-19
Chromium, ion	Water	groundwater	kg	2,27E-19
Cobalt	Water	groundwater	kg	2,69E-18
Copper, ion	Water	groundwater	kg	4,06E-21

Terrestrial ecotoxicity		kg 1,4-DB eq		
Lead	Water	groundwater	kg	4,77E-22
Mercury	Water	groundwater	kg	930
Molybdenum	Water	groundwater	kg	2,31E-18
Nickel, ion	Water	groundwater	kg	1,03E-18
Selenium	Water	groundwater	kg	1,55E-17
Thallium	Water	groundwater	kg	3,13E-17
Tin, ion	Water	groundwater	kg	7,86E-22
Vanadium, ion	Water	groundwater	kg	1,02E-17
Zinc, ion	Water	groundwater	kg	2,53E-21
Antimony	Water	groundwater, long-t	kg	1,66E-20
Arsenic, ion	Water	groundwater, long-t	kg	1,04E-17
Barium	Water	groundwater, long-t	kg	5,08E-19
Beryllium	Water	groundwater, long-t	kg	3,3E-16
Cadmium, ion	Water	groundwater, long-t	kg	1,42E-20
Chromium VI	Water	groundwater, long-t	kg	2,27E-19
Cobalt	Water	groundwater, long-t	kg	2,69E-18
Copper, ion	Water	groundwater, long-t	kg	4,06E-21
Lead	Water	groundwater, long-t	kg	4,77E-22
Mercury	Water	groundwater, long-t	kg	930
Molybdenum	Water	groundwater, long-t	kg	2,31E-18
Nickel, ion	Water	groundwater, long-t	kg	1,03E-18
Selenium	Water	groundwater, long-t	kg	1,55E-17
Thallium	Water	groundwater, long-t	kg	3,13E-17
Tin, ion	Water	groundwater, long-t	kg	7,86E-22
Vanadium, ion	Water	groundwater, long-t	kg	1,02E-17
Zinc, ion	Water	groundwater, long-t	kg	2,53E-21
Acenaphthene	Water	ocean	kg	0,000814
Acenaphthylene	Water	ocean	kg	0,000814
Arsenic, ion	Water	ocean	kg	2,96E-17
Barite	Water	ocean	kg	3,89E-19
Barium	Water	ocean	kg	6,61E-19
Benzene	Water	ocean	kg	0,00000171
Benzene, ethyl-	Water	ocean	kg	0,000000103
Cadmium, ion	Water	ocean	kg	1,13E-19
Chromium, ion	Water	ocean	kg	2,05E-18
Cobalt	Water	ocean	kg	4,92E-18
Copper, ion	Water	ocean	kg	2,48E-20
Lead	Water	ocean	kg	4,57E-21
Mercury	Water	ocean	kg	7640
Molybdenum	Water	ocean	kg	2,89E-18
Nickel, ion	Water	ocean	kg	2,61E-18
PAH, polycyclic aromatic hydrocarbons	Water	ocean	kg	0,000814
Phenol	Water	ocean	kg	3,78E-08
Selenium	Water	ocean	kg	1,76E-17
Toluene	Water	ocean	kg	0,00000187
Tributyltin compounds	Water	ocean	kg	0,00687
Vanadium, ion	Water	ocean	kg	2,16E-17
Xylene	Water	ocean	kg	0,000000113
Zinc, ion	Water	ocean	kg	1,95E-20
Acenaphthene	Water	river	kg	0,00212
Acenaphthylene	Water	river	kg	0,00212
Antimony	Water	river	kg	1,66E-20
Arsenic, ion	Water	river	kg	1,04E-17
Barium	Water	river	kg	5,08E-19
Benzene	Water	river	kg	0,0000137
Benzene, ethyl-	Water	river	kg	0,00000119
Beryllium	Water	river	kg	3,3E-16
Cadmium, ion	Water	river	kg	1,42E-20
Chloroform	Water	river	kg	0,0000392
Chromium VI	Water	river	kg	2,27E-19
Chromium, ion	Water	river	kg	2,27E-19
Cobalt	Water	river	kg	2,69E-18
Copper, ion	Water	river	kg	4,06E-21
Dichromate	Water	river	kg	1,09E-19
Ethane, 1,2-dichloro-	Water	river	kg	0,0000262
Ethene	Water	river	kg	1,12E-12
Ethene, chloro-	Water	river	kg	0,000000256
Ethylene oxide	Water	river	kg	0,00176
Formaldehyde	Water	river	kg	0,00156
Lead	Water	river	kg	4,77E-22

Terrestrial ecotoxicity		kg 1,4-DB eq		
Mercury	Water	river	kg	930
Methane, dichloro-, HCC-30	Water	river	kg	0,0000039
Molybdenum	Water	river	kg	2,31E-18
Nickel, ion	Water	river	kg	1,03E-18
PAH, polycyclic aromatic hydrocarbons	Water	river	kg	0,00212
Phenol	Water	river	kg	0,00000249
Propylene oxide	Water	river	kg	0,000647
Selenium	Water	river	kg	1,55E-17
Thallium	Water	river	kg	3,13E-17
Tin, ion	Water	river	kg	7,86E-22
Toluene	Water	river	kg	0,0000142
Vanadium, ion	Water	river	kg	1,02E-17
Xylene	Water	river	kg	0,000000735
Zinc, ion	Water	river	kg	2,53E-21
Cadmium	Soil		kg	167
Chromium	Soil		kg	6300
Chromium VI	Soil		kg	6300
Copper	Soil		kg	14,4
Lead	Soil		kg	32,5
Nickel	Soil		kg	239
Zinc	Soil		kg	24,6
Antimony	Soil	agricultural	kg	1,3
Arsenic	Soil	agricultural	kg	3335,7
Atrazine	Soil	agricultural	kg	6,6
Barium	Soil	agricultural	kg	10,0
Bentazone	Soil	agricultural	kg	0,6
Cadmium	Soil	agricultural	kg	166,8
Chlorothalonil	Soil	agricultural	kg	0,7
Chromium	Soil	agricultural	kg	6302,9
Cobalt	Soil	agricultural	kg	223,0
Copper	Soil	agricultural	kg	14,4
Cypermethrin	Soil	agricultural	kg	89744,3
Dinoseb	Soil	agricultural	kg	588,3
Glyphosate	Soil	agricultural	kg	0,1
Lead	Soil	agricultural	kg	32,5
Linuron	Soil	agricultural	kg	20,7
Mercury	Soil	agricultural	kg	55994,1
Metolachlor	Soil	agricultural	kg	0,5
Molybdenum	Soil	agricultural	kg	36,1
Nickel	Soil	agricultural	kg	238,6
Pirimicarb	Soil	agricultural	kg	120,4
Tin	Soil	agricultural	kg	29,8
Vanadium	Soil	agricultural	kg	1367,1
Zinc	Soil	agricultural	kg	24,6
Arsenic	Soil	industrial	kg	3335,7
Barium	Soil	industrial	kg	10,0
Chromium	Soil	industrial		6302,9
Copper	Soil	industrial	kg	14,4
Glyphosate	Soil	industrial	kg	0,1
Zinc	Soil	industrial	kg	24,6
Tetrachloroethylene	Air		kg	0,008113672

Photochemical oxidation		kg C2H4 eq		
Acetic acid	Air		kg	0,097
Benzene	Air		kg	0,218
Butadiene	Air		kg	0,851
Carbon monoxide, biogenic	Air		kg	0,027
Carbon monoxide, fossil	Air		kg	0,027
Ethyne	Air		kg	0,085
Formaldehyde	Air		kg	0,519
Methane, fossil	Air		kg	0,006
Methanol	Air		kg	0,14
Nitrogen oxides	Air		kg	0,95
NMVOC, non-methane volatile organic compounds, unspecified origin	Air		kg	0,21
Sulfur dioxide	Air		kg	0,048
Toluene	Air		kg	0,637
Acetaldehyde	Air	high. pop.	kg	0,641
Acetic acid	Air	high. pop.	kg	0,097
Acetone	Air	high. pop.	kg	0,094
Benzaldehyde	Air	high. pop.	kg	-0,092
Benzene	Air	high. pop.	kg	0,218
Benzene, ethyl-	Air	high. pop.	kg	0,73
Butane	Air	high. pop.	kg	0,352
Carbon monoxide, biogenic	Air	high. pop.	kg	0,027
Carbon monoxide, fossil	Air	high. pop.	kg	0,027
Chloroform	Air	high. pop.	kg	0,023
Cumene	Air	high. pop.	kg	0,5
Ethane	Air	high. pop.	kg	0,123
Ethanol	Air	high. pop.	kg	0,399
Ethene	Air	high. pop.	kg	1
Ethyne	Air	high. pop.	kg	0,085
Formaldehyde	Air	high. pop.	kg	0,519
Heptane	Air	high. pop.	kg	0,494
Hexane	Air	high. pop.	kg	0,482
m-Xylene	Air	high. pop.	kg	1,108
Methane, biogenic	Air	high. pop.	kg	0,006
Methane, dichloro-, HCC-30	Air	high. pop.	kg	0,068
Methane, fossil	Air	high. pop.	kg	0,006
Methane, monochloro-, R-40	Air	high. pop.	kg	0,005
Methanol	Air	high. pop.	kg	0,14
Nitrogen oxides	Air	high. pop.	kg	0,95
NMVOC, non-methane volatile organic compounds, unspecified origin	Air	high. pop.	kg	0,21
Pentane	Air	high. pop.	kg	0,395
Propanal	Air	high. pop.	kg	0,798
Propane	Air	high. pop.	kg	0,176
Propene	Air	high. pop.	kg	1,123
Propionic acid	Air	high. pop.	kg	0,15
Sulfur dioxide	Air	high. pop.	kg	0,048
t-Butyl methyl ether	Air	high. pop.	kg	0,175
Toluene	Air	high. pop.	kg	0,637
Acetone	Air	low. pop.	kg	0,094
Benzene	Air	low. pop.	kg	0,218
Butadiene	Air	low. pop.	kg	0,851
Butane	Air	low. pop.	kg	0,352
Carbon monoxide, biogenic	Air	low. pop.	kg	0,027
Carbon monoxide, fossil	Air	low. pop.	kg	0,027
Ethane	Air	low. pop.	kg	0,123
Ethanol	Air	low. pop.	kg	0,399
Ethene	Air	low. pop.	kg	1

Photochemical oxidation		kg C2H4 eq		
Ethyne	Air	low. pop.	kg	0,085
Formaldehyde	Air	low. pop.	kg	0,519
Hexane	Air	low. pop.	kg	0,482
Methane, biogenic	Air	low. pop.	kg	0,006
Methane, fossil	Air	low. pop.	kg	0,006
Methanol	Air	low. pop.	kg	0,14
Nitrogen oxides	Air	low. pop.	kg	0,95
NMVOC, non-methane volatile organic compounds, unspecified origin	Air	low. pop.	kg	0,21
Pentane	Air	low. pop.	kg	0,395
Propane	Air	low. pop.	kg	0,176
Propene	Air	low. pop.	kg	1,123
Styrene	Air	low. pop.	kg	0,142
Sulfur dioxide	Air	low. pop.	kg	0,048
Toluene	Air	low. pop.	kg	0,637
Benzene	Air	stratosphere + trop	kg	0,218
Butadiene	Air	stratosphere + trop	kg	0,851
Carbon monoxide, fossil	Air	stratosphere + trop	kg	0,027
Formaldehyde	Air	stratosphere + trop	kg	0,519
Methane, fossil	Air	stratosphere + trop	kg	0,006
Nitrogen oxides	Air	stratosphere + trop	kg	0,95
NMVOC, non-methane volatile organic compounds, unspecified origin	Air	stratosphere + trop	kg	0,21
Sulfur dioxide	Air	stratosphere + trop	kg	0,048
Tetrachloroethylene	Air		kg	0,029

Acidification		kg SO2 eq		
Ammonia	Air		kg	1,6
Nitrogen oxides	Air		kg	0,5
Sulfur dioxide	Air		kg	1,2
Ammonia	Air	high. pop.	kg	1,6
Nitrogen oxides	Air	high. pop.	kg	0,5
Sulfur dioxide	Air	high. pop.	kg	1,2
Ammonia	Air	low. pop.	kg	1,6
Nitrogen oxides	Air	low. pop.	kg	0,5
Sulfur dioxide	Air	low. pop.	kg	1,2
Nitrogen oxides	Air	stratosphere + trop	kg	0,5
Sulfur dioxide	Air	stratosphere + trop	kg	1,2

Eutrophication		kg PO4--- eq	
Ammonia	Air		0,35
Nitrogen oxides	Air		0,13
Phosphorus	Air		3,06
Ammonia	Air	high. pop.	0,35
Ammonium carbonate	Air	high. pop.	0,12
Nitrate	Air	high. pop.	0,10
Nitrogen oxides	Air	high. pop.	0,13
Phosphorus	Air	high. pop.	3,06
Ammonia	Air	low. pop.	0,35
Nitrogen oxides	Air	low. pop.	0,13
Phosphorus	Air	low. pop.	3,06
Nitrogen oxides	Air	stratosphere + troposp	0,13
COD, Chemical Oxygen Demand	Water		0,02
Phosphorus	Water		3,06
Ammonium, ion	Water	groundwater	0,33
COD, Chemical Oxygen Demand	Water	groundwater	0,02
Nitrate	Water	groundwater	0,10
Phosphate	Water	groundwater	1,00
Ammonium, ion	Water	groundwater, long-term	0,33
COD, Chemical Oxygen Demand	Water	groundwater, long-term	0,02
Nitrate	Water	groundwater, long-term	0,10
Nitrite	Water	groundwater, long-term	0,10
Phosphate	Water	groundwater, long-term	1,00
Ammonium, ion	Water	ocean	0,33
COD, Chemical Oxygen Demand	Water	ocean	0,02
Nitrate	Water	ocean	0,10
Nitrite	Water	ocean	0,10
Nitrogen	Water	ocean	0,42
Phosphate	Water	ocean	1,00
Phosphorus	Water	ocean	3,06
Ammonium, ion	Water	river	0,33
COD, Chemical Oxygen Demand	Water	river	0,02
Nitrate	Water	river	0,10
Nitrite	Water	river	0,10
Nitrogen	Water	river	0,42
Phosphate	Water	river	1,00
Phosphorus	Water	river	3,06

Primary energy		MJ primary	
- Primary energy non renewable		MJ primary	
- Primary energy renewable		MJ primary	
Non renewable, fossil			**MJ primary**
Peat, in ground	Raw	in ground	M 13,0
Coal, brown, in ground	Raw	in ground	M 9,9
Coal, hard, unspecified, in ground	Raw	in ground	M 19,1
Gas, mine, off-gas, process, coal mining/m3	Raw	in ground	M 39,8
Gas, natural, in ground	Raw	in ground	M 40,3
Oil, crude, in ground	Raw	in ground	M 45,8
Non-renewable, nuclear			**MJ primary**
Uranium, in ground	Raw	in ground	M 560 000
Renewable, biomass			**MJ primary**
Energy, gross calorific value, in biomass	Raw	in ground	M 1,0
Renewable, wind, solar, geothe			**MJ primary**
Energy, kinetic, flow, in wind	Raw	in air	M 1,0
Energy, solar	Raw	in air	M 1,0
Renewable, water			**MJ primary**
Energy, potential, stock, in barrage water	Raw	in water	M 1,0

ANNEXE 3 : INVENTAIRES DE CYCLE DE VIE

Production du coton

Inventory	Compartr	Sub-com	Unit	Irrigation (agriculture intensive)	Irrigation (agriculture biologique)	Engrais N	Engrais P2O5	Engrais K2CO3	Lixiviation NPK	Insecticides	Herbicides	Fongicides
Energy, gross calorific value,	Raw	biotic	MJ			3.85E-05	5.94E-06	6.60E-06		1.64E-06	3.28E-06	5.38E-08
Peat, in ground	Raw	biotic	kg			9.12E-10	1.53E-10	1.74E-10		1.42E-11	3.36E-11	5.00E-13
Wood, hard, standing	Raw	biotic	m3			4.25E-10	1.51E-10	7.34E-11		5.35E-11	1.02E-10	1.70E-12
Wood, soft, standing	Raw	biotic	m3			3.60E-09	4.30E-10	6.13E-10		1.04E-10	2.14E-10	3.48E-12
Wood, unspecified, standing/	Raw	biotic	m3			1.58E-13	1.48E-14	2.70E-14		5.70E-15	1.20E-14	1.95E-16
Carbon dioxide, in air	Raw	in air	kg			3.44E-06	5.32E-07	5.88E-07		1.47E-07	2.95E-07	4.84E-09
Energy, kinetic, flow, in wind	Raw	in air	MJ			1.57E-05	6.24E-06	2.63E-06		2.15E-06	4.70E-06	7.56E-08
Energy, solar	Raw	in air	MJ			2.15E-07	9.01E-08	3.80E-08		2.83E-08	6.21E-08	9.96E-10
Aluminium, 24% in bauxite, 1	Raw	in ground	kg			3.00E-07	7.34E-08	6.97E-08		3.85E-09	7.18E-09	1.22E-10
Anhydrite, in ground	Raw	in ground	kg			3.21E-12	1.16E-12	7.89E-13		5.89E-14	1.49E-13	2.37E-15
Barite, 15% in crude ore, in g	Raw	in ground	kg			6.72E-07	1.17E-07	4.68E-08		2.41E-08	8.09E-08	1.30E-09
Basalt, in ground	Raw	in ground	kg			2.68E-07	1.75E-08	4.48E-08		1.57E-09	2.44E-09	4.31E-11
Borax, in ground	Raw	in ground	kg			2.00E-10	1.32E-11	3.30E-11		1.16E-12	1.77E-12	3.09E-14
Calcite, in ground	Raw	in ground	kg			6.97E-06	2.01E-06	1.65E-06		2.66E-07	5.11E-07	8.57E-09
Chromium, 25.5 in chromite,	Raw	in ground	kg			7.57E-07	4.46E-08	1.26E-07		4.85E-09	7.81E-09	1.36E-10
Chrysotile, in ground	Raw	in ground	kg			4.87E-12	6.88E-12	4.96E-12		3.96E-12	6.04E-12	1.05E-13
Cinnabar, in ground	Raw	in ground	kg			4.48E-13	6.28E-13	4.55E-13		3.69E-13	5.60E-13	9.80E-15
Clay, bentonite, in ground	Raw	in ground	kg			1.30E-07	3.36E-08	2.04E-08		3.28E-09	9.06E-09	1.46E-10
Clay, unspecified, in ground	Raw	in ground	kg			6.39E-06	7.64E-07	1.18E-06		7.50E-08	1.30E-07	2.24E-09
Coal, brown, in ground	Raw	in ground	kg			2.15E-05	8.53E-06	3.61E-06		2.94E-06	6.44E-06	1.03E-07
Coal, hard, unspecified, in gr	Raw	in ground	kg			1.63E-05	5.62E-06	2.84E-06		2.58E-06	3.70E-06	6.66E-08
Cobalt, in ground	Raw	in ground	kg			2.75E-13	3.71E-13	8.43E-14		7.23E-15	1.43E-14	2.44E-16
Colemanite, in ground	Raw	in ground	kg			1.66E-10	2.69E-11	2.77E-11		2.83E-11	6.15E-11	9.87E-13
Copper, 0.99% in sulfide, Cu	Raw	in ground	kg			1.51E-08	1.33E-09	2.57E-09		5.16E-10	1.08E-09	1.75E-11
Copper, 1.18% in sulfide, Cu	Raw	in ground	kg			8.40E-08	7.40E-09	1.43E-08		2.87E-09	5.98E-09	9.70E-11
Copper, 1.42% in sulfide, Cu	Raw	in ground	kg			2.22E-08	1.96E-09	3.79E-09		7.58E-10	1.58E-09	2.57E-11
Copper, 2.19% in sulfide, Cu	Raw	in ground	kg			1.11E-07	9.72E-09	1.88E-08		3.77E-09	7.86E-09	1.28E-10
Diatomite, in ground	Raw	in ground	kg			8.72E-14	2.78E-14	1.54E-14		8.35E-16	1.49E-15	2.52E-17
Dolomite, in ground	Raw	in ground	kg			1.82E-08	4.01E-09	3.40E-09		2.61E-10	6.21E-10	1.01E-11
Feldspar, in ground	Raw	in ground	kg			1.34E-14	2.28E-15	2.20E-15		1.82E-16	4.04E-16	6.63E-18
Fluorine, 4.5% in apatite, 1%	Raw	in ground	kg			2.10E-09	1.61E-10	3.88E-09		2.71E-11	6.84E-11	1.10E-12
Fluorine, 4.5% in apatite, 3%	Raw	in ground	kg			9.21E-10	9.40E-06	1.71E-09		1.19E-11	3.00E-11	4.84E-13
Fluorspar, 92%, in ground	Raw	in ground	kg			5.45E-08	4.67E-09	9.89E-08		8.43E-10	2.07E-09	3.33E-11
Gas, mine, off-gas, process,	Raw	in ground	m3			1.61E-07	5.57E-08	2.81E-08		2.53E-08	3.67E-08	6.58E-10
Gas, natural, in ground	Raw	in ground	m3			2.03E-04	1.04E-05	2.46E-05		3.37E-06	1.23E-05	1.54E-07
Granite, in ground	Raw	in ground	kg			1.28E-10	7.59E-11	8.83E-11		9.43E-13	1.55E-12	2.70E-14
Gravel, in ground	Raw	in ground	kg			7.98E-05	5.40E-05	1.10E-04		1.07E-06	2.02E-06	3.43E-08
Gypsum, in ground	Raw	in ground	kg			2.35E-09	1.55E-10	3.89E-10		1.33E-11	2.03E-11	3.56E-13
Iron, 46% in ore, 25% in crud	Raw	in ground	kg			7.20E-06	2.04E-06	1.39E-06		1.07E-07	2.60E-07	4.22E-09
Kaolinite, 24% in crude ore, i	Raw	in ground	kg			1.84E-09	4.75E-10	3.11E-10		3.64E-11	6.44E-11	1.09E-12
Kieserite, 25% in crude ore, i	Raw	in ground	kg			1.56E-11	6.73E-12	2.90E-12		2.29E-13	4.21E-13	7.07E-15
Lead, 5%, in sulfide, Pb 2.97	Raw	in ground	kg			1.13E-07	2.26E-07	2.77E-08		4.16E-09	8.66E-09	1.42E-10
Magnesite, 60% in crude ore,	Raw	in ground	kg			1.06E-07	2.69E-08	2.08E-08		1.34E-09	3.19E-09	5.24E-11
Manganese, 35.7% in sedime	Raw	in ground	kg			5.01E-08	5.22E-09	9.89E-09		3.85E-10	6.67E-10	1.19E-11
Molybdenum, 0.010% in sulfi	Raw	in ground	kg			7.64E-10	6.74E-11	1.30E-10		2.61E-11	5.43E-11	8.84E-13
Molybdenum, 0.014% in sulfi	Raw	in ground	kg			1.09E-10	9.56E-12	1.86E-11		3.72E-12	7.75E-12	1.26E-13
Molybdenum, 0.022% in sulfi	Raw	in ground	kg			1.76E-08	1.83E-09	3.48E-09		1.35E-10	2.34E-10	4.16E-12
Molybdenum, 0.025% in sulfi	Raw	in ground	kg			3.99E-10	3.52E-11	6.80E-11		1.36E-11	2.84E-11	4.61E-13
Molybdenum, 0.11% in sulfid	Raw	in ground	kg			3.55E-08	3.69E-09	7.01E-09		2.73E-10	4.71E-10	8.39E-12
Nickel, 1.13% in sulfide, Ni 0.	Raw	in ground	kg			1.19E-07	3.24E-11	5.93E-11		3.84E-12	8.38E-12	1.36E-13
Nickel, 1.98% in silicates, 1.0	Raw	in ground	kg			1.25E-06	8.69E-08	2.13E-07		8.54E-09	1.45E-08	2.50E-10
Oil, crude, in ground	Raw	in ground	kg			9.21E-05	2.24E-05	5.67E-06		4.08E-06	1.35E-05	2.25E-07
Olivine, in ground	Raw	in ground	kg			1.65E-12	4.65E-13	4.00E-13		2.71E-14	6.33E-14	1.02E-15
Pd, Pd 2.0E-4%, Pt 4.8E-4%,	Raw	in ground	kg			1.08E-13	2.57E-14	5.03E-15		6.00E-14	2.32E-13	2.78E-15
Pd, Pd 7.3E-4%, Pt 2.5E-4%,	Raw	in ground	kg			2.61E-13	6.18E-14	1.21E-14		1.44E-13	5.57E-13	6.69E-15
Phosphorus, 18% in apatite,	Raw	in ground	kg			3.69E-09	3.75E-05	6.78E-09		4.77E-11	1.20E-10	1.94E-12
Phosphorus, 18% in apatite,	Raw	in ground	kg			8.38E-09	6.45E-10	1.55E-08		1.09E-10	2.73E-10	4.41E-12
Pt, Pt 2.5E-4%, Pd 7.3E-4%,	Raw	in ground	kg			2.72E-15	7.07E-16	8.48E-16		1.40E-15	5.37E-15	6.46E-17
Pt, Pt 4.8E-4%, Pd 2.0E-4%,	Raw	in ground	kg			9.81E-15	2.53E-15	3.04E-15		5.00E-15	1.93E-14	2.32E-16
Rh, Rh 2.0E-5%, Pt 2.5E-4%	Raw	in ground	kg			2.47E-15	5.87E-16	1.15E-16		1.37E-15	5.29E-15	6.37E-17
Rh, Rh 2.4E-5%, Pt 4.8E-4%	Raw	in ground	kg			7.78E-15	1.84E-15	3.60E-16		4.31E-15	1.66E-14	2.00E-16
Rhenium, in crude ore, in gro	Raw	in ground	kg			2.82E-15	7.93E-16	1.86E-16		1.12E-16	3.65E-16	6.24E-18
Rutile, in ground	Raw	in ground	kg			1.27E-14	2.06E-15	2.03E-15		1.37E-16	3.33E-16	5.37E-18
Sand, unspecified, in ground	Raw	in ground	kg			2.47E-10	6.41E-11	5.01E-11		1.31E-11	2.86E-11	4.61E-13
Shale, in ground	Raw	in ground	kg			9.12E-12	3.30E-12	2.23E-12		1.67E-13	4.22E-13	6.72E-15
Silver, 0.01% in crude ore, in	Raw	in ground	kg			8.82E-14	3.67E-14	1.55E-14		1.16E-14	2.53E-14	4.08E-16
Sodium chloride, in ground	Raw	in ground	kg			4.36E-07	4.86E-07	3.45E-07		1.49E-07	2.30E-07	4.02E-09
Sodium sulphate, various forr	Raw	in ground	kg			1.75E-08	1.34E-09	3.26E-08		2.24E-10	5.65E-10	9.13E-12
Stibnite, in ground	Raw	in ground	kg			9.07E-15	2.89E-15	1.59E-15		8.70E-17	1.55E-16	2.62E-18
Sulfur, in ground	Raw	in ground	kg			4.15E-10	8.69E-11	1.04E-10		1.26E-11	2.70E-11	4.36E-13
Sylvite, 25 % in sylvinite, in g	Raw	in ground	kg			2.68E-09	2.48E-10	1.78E-04		1.02E-10	2.18E-10	3.51E-12
Talc, in ground	Raw	in ground	kg			1.06E-10	1.75E-11	1.75E-11		3.12E-12	5.30E-12	9.09E-14
Tin, 79% in cassiterite, 0.1%	Raw	in ground	kg			1.03E-09	7.31E-11	1.74E-10		5.81E-12	8.83E-12	1.55E-13
TiO2, 45-60% in Ilmenite, in	Raw	in ground	kg			3.78E-08	7.01E-09	6.08E-08		6.97E-10	1.62E-09	2.65E-11
Ulexite, in ground	Raw	in ground	kg			7.64E-12	3.03E-12	1.28E-12		1.04E-12	2.28E-12	3.67E-14
Uranium, in ground	Raw	in ground	kg			1.15E-09	4.73E-10	2.02E-10		1.52E-10	3.32E-10	5.34E-12
Vermiculite, in ground	Raw	in ground	kg			2.63E-12	8.93E-13	6.63E-13		1.77E-13	2.76E-13	4.93E-15
Volume occupied, final repos	Raw	in ground	m3			2.35E-12	9.80E-13	4.13E-13		3.14E-13	6.90E-13	1.10E-14
Volume occupied, final repos	Raw	in ground	m3			5.93E-13	2.44E-13	1.03E-13		7.93E-14	1.73E-13	2.78E-15
Volume occupied, undergrou	Raw	in ground	m3			9.14E-12	1.98E-12	1.80E-12		2.84E-13	7.58E-13	1.12E-14
Zinc 9%, in sulfide, Zn 5.34%	Raw	in ground	kg			2.82E-07	2.18E-08	4.68E-08		1.59E-09	2.43E-09	4.32E-11
Energy, potential, stock, in ba	Raw	in water	MJ			1.33E-04	4.58E-05	2.31E-05		1.29E-05	2.84E-05	4.55E-07
Magnesium, 0.13% in water	Raw	in water	kg			7.52E-13	9.96E-14	1.29E-13		2.53E-14	5.02E-14	8.26E-16
Volume occupied, reservoir	Raw	in water	m3y			1.86E-06	6.69E-07	3.25E-07		1.90E-07	4.24E-07	6.74E-09
Water, cooling, unspecified n	Raw	in water	m3			2.65E-06	1.03E-06	1.65E-06		3.27E-07	7.24E-07	1.18E-08
Water, lake	Raw	in water	m3			2.56E-09	8.77E-10	6.49E-10		1.73E-10	2.70E-10	4.83E-12
Water, river	Raw	in water	m3			5.86E-07	2.14E-07	4.24E-07		6.66E-08	1.49E-07	2.40E-09
Water, salt, ocean	Raw	in water	m3			2.47E-07	4.18E-08	3.13E-08		1.31E-08	3.37E-08	5.11E-10
Water, salt, sole	Raw	in water	m3			7.27E-08	1.71E-08	3.68E-09		3.21E-09	1.07E-08	1.78E-10
Water, turbine use, unspecifie	Raw	in water	m3			8.77E-04	3.00E-04	1.51E-04		8.62E-05	1.88E-04	3.02E-06
Water, unspecified natural ori	Raw	in water	m3	0.02		5.28E-06	9.96E-07	6.79E-07		2.15E-07	5.39E-07	8.81E-09
Water, well, in ground	Raw	in water	m3			2.54E-07	3.85E-07	4.83E-08		2.12E-08	4.10E-08	6.81E-10
Occup. as Convent. arable la	Raw	land	m2a			1.06E-08	8.05E-09	2.49E-09		1.94E-10	3.46E-10	6.33E-12

Production du coton

				Irrigation (agriculture intensive)	Irrigation (agriculture biologique)	Engrais N	Engrais P2O5	Engrais K2CO3	Lixiviation NPK	Insecticides	Herbicides	Fongicides
Occupation, construction site	Raw	land	m2a			9.55E-08	9.56E-08	1.64E-07		1.12E-09	2.68E-09	4.47E-11
Occupation, dump site	Raw	land	m2a			6.07E-07	8.61E-08	9.11E-07		2.47E-08	4.17E-08	7.15E-10
Occupation, dump site, benth	Raw	land	m2a			8.26E-08	9.88E-09	7.27E-09		2.26E-09	7.81E-09	1.18E-10
Occup. as Forest land	Raw	land	m2a			1.11E-07	2.49E-08	2.14E-08		2.00E-09	3.29E-09	5.71E-11
Occup. as Forest land	Raw	land	m2a			7.85E-06	8.29E-07	1.34E-06		2.15E-07	3.55E-07	6.13E-09
Occup. as Industrial area	Raw	land	m2a			3.99E-07	1.13E-07	2.94E-08		2.07E-08	5.56E-08	9.24E-10
Occupation, industrial area, b	Raw	land	m2a			7.38E-10	8.13E-11	6.94E-11		1.62E-11	5.49E-11	8.45E-13
Occupation, industrial area, b	Raw	land	m2a			1.30E-06	7.54E-08	2.14E-07		8.12E-09	1.32E-08	2.30E-10
Occupation, industrial area, v	Raw	land	m2a			3.99E-07	2.87E-08	7.48E-08		2.75E-09	4.70E-09	8.11E-11
Occupation, mineral extractio	Raw	land	m2a			3.16E-07	1.32E-06	3.20E-07		1.30E-08	2.55E-08	4.26E-10
Occupation, permanent crop,	Raw	land	m2a			1.33E-09	3.69E-10	1.33E-10		3.37E-11	1.12E-10	1.78E-12
Occup. as Discont. urban lan	Raw	land	m2a			1.02E-08	1.81E-09	1.37E-07		2.16E-10	3.82E-10	6.45E-12
Occup. as rail/ road area	Raw	land	m2a			2.42E-07	4.12E-08	9.34E-08		2.95E-09	4.56E-09	8.06E-11
Occup. as rail/ road area	Raw	land	m2a			2.68E-07	4.55E-08	1.04E-07		3.26E-09	5.04E-09	8.92E-11
Occup. as rail/ road area	Raw	land	m2a			1.05E-07	7.13E-08	2.02E-08		2.40E-09	3.97E-09	6.88E-11
Occup. as rail/ road area	Raw	land	m2a			2.56E-07	3.55E-07	1.26E-06		4.89E-09	9.92E-09	1.93E-10
Occup. as Contin. urban land	Raw	land	m2a			1.91E-11	1.74E-10	2.89E-12		5.66E-13	1.57E-12	2.59E-14
Occupation, water bodies, art	Raw	land	m2a			2.07E-07	1.62E-07	9.11E-08		1.82E-08	4.04E-08	6.50E-10
Occupation, water courses, a	Raw	land	m2a			1.13E-07	3.60E-08	1.73E-08		9.35E-09	2.02E-08	3.37E-10
Transformation, from arable	Raw	land	m2			1.08E-10	3.45E-11	2.20E-11		1.08E-11	2.35E-11	3.78E-13
Transformation, from arable,	Raw	land	m2			1.95E-08	1.49E-08	4.60E-09		3.59E-10	6.38E-10	1.16E-11
Transformation, from arable,	Raw	land	m2			1.92E-11	4.66E-12	4.42E-12		2.48E-13	4.63E-13	7.78E-15
Transformation, from dump si	Raw	land	m2			9.99E-10	2.45E-10	1.72E-10		1.21E-11	2.46E-11	3.99E-13
Transformation, from dump si	Raw	land	m2			1.01E-09	1.13E-10	2.72E-08		3.02E-11	5.04E-11	8.66E-13
Transformation, from dump si	Raw	land	m2			3.39E-11	2.74E-12	5.28E-12		7.43E-13	1.34E-12	2.29E-14
Transformation, from dump si	Raw	land	m2			4.73E-12	1.12E-12	1.40E-12		5.54E-14	1.07E-13	1.80E-15
Transformation, from forest	Raw	land	m2			1.65E-07	2.93E-08	1.12E-08		5.77E-09	1.94E-08	3.14E-10
Transformation, from forest, e	Raw	land	m2			6.51E-08	6.53E-09	1.11E-08		1.57E-09	2.60E-09	4.48E-11
Transformation, from industri	Raw	land	m2			1.09E-09	1.04E-10	1.38E-10		3.36E-11	9.69E-11	1.36E-12
Transformation, from industri	Raw	land	m2			6.37E-12	2.88E-13	7.73E-13		7.39E-14	2.63E-13	3.29E-15
Transformation, from industri	Raw	land	m2			3.00E-12	2.30E-13	5.54E-12		3.89E-14	9.74E-14	1.58E-15
Transformation, from industri	Raw	land	m2			5.10E-12	3.93E-13	9.42E-12		6.62E-14	1.66E-13	2.68E-15
Transformation, from mineral	Raw	land	m2			5.63E-09	5.92E-08	8.35E-09		2.08E-10	4.50E-10	7.34E-12
Transformation, from pasture	Raw	land	m2			4.92E-09	5.83E-08	4.40E-08		1.45E-10	3.12E-10	4.91E-12
Transformation, from pasture	Raw	land	m2			1.57E-11	1.20E-11	3.70E-12		2.89E-13	5.15E-13	9.41E-15
Transformation, from sea anc	Raw	land	m2			8.28E-08	9.88E-09	7.29E-09		2.26E-09	7.81E-09	1.18E-10
Transformation, from shrub la	Raw	land	m2			2.58E-09	5.42E-10	2.74E-08		9.47E-11	1.89E-10	3.09E-12
Transformation, from unknow	Raw	land	m2			7.29E-08	2.48E-08	4.50E-08		1.30E-09	2.39E-09	4.09E-11
Transformation, to arable	Raw	land	m2			1.14E-08	8.77E-10	1.44E-09		1.72E-10	3.64E-10	5.90E-12
Transformation, to arable, no	Raw	land	m2			1.95E-08	1.50E-08	4.61E-09		3.59E-10	6.38E-10	1.16E-11
Transformation, to arable, no	Raw	land	m2			4.41E-11	7.83E-12	9.07E-12		5.43E-13	9.74E-13	1.67E-14
Transformation, to dump site	Raw	land	m2			4.41E-09	6.38E-10	7.45E-10		1.90E-10	3.20E-10	5.49E-12
Transformation, to dump site,	Raw	land	m2			8.26E-08	9.88E-09	7.27E-09		2.26E-09	7.81E-09	1.18E-10
Transformation, to dump site,	Raw	land	m2			9.99E-10	2.45E-10	1.72E-10		1.21E-11	2.46E-11	3.99E-13
Transformation, to dump site,	Raw	land	m2			1.01E-09	1.13E-10	2.72E-08		3.02E-11	5.04E-11	8.66E-13
Transformation, to dump site,	Raw	land	m2			3.39E-11	2.74E-12	5.28E-12		7.43E-13	1.34E-12	2.29E-14
Transformation, to dump site,	Raw	land	m2			4.73E-12	1.12E-12	1.40E-12		5.54E-14	1.07E-13	1.80E-15
Transformation, to forest	Raw	land	m2			5.47E-09	1.59E-09	3.53E-08		9.62E-11	1.87E-10	3.13E-12
Transformation, to forest, inte	Raw	land	m2			7.41E-10	1.67E-10	1.42E-10		1.34E-11	2.19E-11	3.81E-13
Transformation, to forest, inte	Raw	land	m2			6.37E-08	6.29E-09	1.08E-08		1.54E-09	2.55E-09	4.40E-11
Transformation, to heterogen	Raw	land	m2			7.80E-09	1.39E-09	5.64E-10		2.51E-10	8.38E-10	1.39E-11
Transformation, to industrial a	Raw	land	m2			2.63E-09	8.53E-10	3.82E-10		1.93E-10	3.27E-10	5.49E-12
Transformation, to industrial a	Raw	land	m2			7.59E-11	6.89E-12	1.09E-11		9.35E-13	2.62E-12	4.18E-14
Transformation, to industrial a	Raw	land	m2			2.61E-08	1.53E-09	4.31E-09		1.72E-10	2.88E-10	4.98E-12
Transformation, to industrial a	Raw	land	m2			8.10E-09	6.02E-10	1.52E-09		6.04E-11	1.08E-10	1.86E-12
Transformation, to mineral ex	Raw	land	m2			1.71E-07	1.00E-07	4.03E-08		5.96E-09	1.94E-08	3.15E-10
Transformation, to pasture ar	Raw	land	m2			9.65E-10	5.75E-08	1.71E-10		1.55E-11	5.58E-11	6.96E-13
Transformation, to permanen	Raw	land	m2			1.33E-11	4.01E-12	1.33E-12		3.37E-13	1.12E-12	1.78E-14
Transformation, to sea and o	Raw	land	m2			6.37E-12	2.88E-13	7.73E-13		7.39E-14	2.63E-13	3.29E-15
Transformation, to shrub land	Raw	land	m2			2.05E-09	3.62E-10	2.73E-08		4.31E-11	7.64E-11	1.29E-12
Transformation, to traffic area	Raw	land	m2			5.63E-10	9.56E-11	2.18E-10		6.85E-12	1.06E-11	1.88E-13
Transformation, to traffic area	Raw	land	m2			6.21E-10	1.05E-10	2.38E-10		7.54E-12	1.17E-11	2.06E-13
Transformation, to traffic area	Raw	land	m2			7.08E-10	2.20E-10	1.26E-10		1.60E-11	2.66E-11	4.58E-13
Transformation, to traffic area	Raw	land	m2			2.31E-09	1.16E-09	1.66E-08		5.43E-11	1.14E-10	2.19E-12
Transformation, to unknown	Raw	land	m2			1.36E-09	3.13E-10	2.29E-10		4.27E-11	1.06E-10	1.72E-12
Transformation, to urban, disc	Raw	land	m2			3.81E-13	3.47E-12	5.76E-14		1.13E-14	3.13E-14	5.16E-16
Transformation, to water bodi	Raw	land	m2			5.95E-09	4.38E-09	6.80E-09		1.84E-10	3.89E-10	6.36E-12
Transformation, to water cour	Raw	land	m2			1.29E-09	4.18E-10	2.04E-10		1.12E-10	2.42E-10	3.99E-12
Acetic acid	Air		kg			5.01E-11	1.71E-11	7.32E-12		1.36E-12	4.18E-12	6.51E-14
Aluminum	Air		kg			9.60E-09	1.73E-09	1.41E-09		4.27E-10	7.41E-10	1.27E-11
Ammonia	Air		kg			7.87E-09	1.28E-09	1.34E-09		1.96E-10	3.36E-10	5.78E-12
Antimony	Air		kg			7.06E-15	2.04E-15	1.68E-15		2.12E-16	3.92E-16	6.68E-18
Arsenic	Air		kg			4.25E-14	1.23E-14	1.01E-14		1.27E-15	2.35E-15	4.01E-17
Benzene	Air		kg			4.78E-10	8.53E-10	1.27E-10		4.89E-12	8.04E-12	1.45E-13
Benzene, hexachloro-	Air		kg			7.18E-14	1.82E-14	1.40E-14		8.89E-16	2.14E-15	3.50E-17
Benzo(a)pyrene	Air		kg			3.44E-13	1.12E-13	9.07E-14		5.12E-15	1.01E-14	1.69E-16
Beryllium	Air		kg			1.06E-14	3.06E-15	2.52E-15		3.18E-16	5.87E-16	1.00E-17
Butadiene	Air		kg			1.28E-17	3.05E-18	7.97E-19		7.04E-18	2.72E-17	3.27E-19
Cadmium	Air		kg			3.95E-13	3.34E-13	9.15E-14		5.39E-15	1.17E-14	1.96E-16
Carbon dioxide, biogenic	Air		kg			5.33E-08	1.54E-08	1.26E-08		1.60E-09	2.95E-09	5.04E-11
Carbon dioxide, fossil	Air		kg			2.79E-05	3.82E-05	8.69E-06		3.71E-07	7.01E-07	1.21E-08
Carbon monoxide, biogenic	Air		kg			8.17E-09	2.76E-09	1.79E-09		1.31E-10	2.46E-10	4.12E-12
Carbon monoxide, fossil	Air		kg			2.93E-07	1.63E-07	8.56E-08		4.43E-09	1.01E-08	1.67E-10
Chlorine	Air		kg			5.24E-15	2.17E-15	1.22E-15		1.02E-16	1.99E-16	3.34E-18
Chromium	Air		kg			1.02E-11	4.23E-12	2.04E-12		1.28E-13	3.01E-13	4.93E-15
Chromium VI	Air		kg			3.55E-15	4.46E-15	8.54E-16		7.43E-17	1.34E-16	2.31E-18
Cobalt	Air		kg			1.82E-14	5.96E-15	4.05E-15		9.62E-16	1.95E-15	3.22E-17
Copper	Air		kg			1.26E-11	1.85E-11	4.26E-12		1.52E-13	2.96E-13	5.10E-15
Dinitrogen monoxide	Air		kg			1.45E-09	1.60E-09	3.92E-10		1.02E-10	2.19E-10	3.55E-12
Dioxins, measured as 2,3,7,8	Air		kg			5.31E-14	1.51E-14	1.03E-14		7.93E-16	1.92E-15	3.11E-17
Ethane, 1,1,1,2-tetrafluoro-, H	Air		kg			3.83E-11	9.33E-11	9.28E-12		3.78E-13	6.27E-13	1.13E-14
Ethane, hexafluoro-, HFC-11	Air		kg			2.49E-12	8.45E-13	5.47E-13		4.00E-14	7.47E-14	1.26E-15
Ethylene oxide	Air		kg			1.23E-16	2.94E-17	7.70E-18		6.81E-17	2.63E-16	3.15E-18
Ethyne	Air		kg			3.74E-13	3.59E-14	6.34E-14		5.20E-15	1.01E-14	1.68E-16
Fluorine	Air		kg			2.19E-17	9.09E-18	3.86E-18		2.88E-18	6.33E-18	1.01E-19

Production du coton

				Irrigation (agriculture intensive)	Irrigation (agriculture biologique)	Engrais N	Engrais P2O5	Engrais K2CO3	Lixiviation NPK	Insecticides	Herbicides	Fongicides
Formaldehyde	Air		kg			6.14E-11	4.89E-12	1.04E-11		6.89E-13	1.29E-12	2.15E-14
Heat, waste	Air		MJ			5.01E-04	7.58E-04	1.60E-04		1.03E-05	2.13E-05	3.62E-07
Helium	Air		kg			2.52E-19	4.73E-20	1.06E-16		4.69E-21	1.10E-20	1.80E-22
Hydrocarbons, aliphatic, alka	Air		kg			8.70E-10	2.77E-10	1.72E-10		1.31E-11	3.13E-11	5.11E-13
Hydrocarbons, aromatic	Air		kg			2.77E-10	7.01E-11	5.40E-11		3.42E-12	8.21E-12	1.35E-13
Hydrocarbons, chlorinated	Air		kg			6.78E-12	9.25E-13	1.23E-12		5.43E-14	9.35E-14	1.64E-15
Hydrogen	Air		kg			2.98E-12	1.01E-12	4.33E-13		8.04E-14	2.47E-13	3.86E-15
Hydrogen chloride	Air		kg			2.19E-09	2.90E-10	3.87E-10		1.66E-11	3.07E-11	5.38E-13
Hydrogen fluoride	Air		kg			1.62E-10	3.91E-11	3.78E-11		2.09E-12	4.41E-12	7.30E-14
Hydrogen sulfide	Air		kg			5.91E-11	1.68E-11	1.14E-11		8.81E-13	2.13E-12	3.46E-14
Iron	Air		kg			5.75E-11	1.26E-11	1.07E-11		7.00E-13	1.69E-12	2.74E-14
Lead	Air		kg			3.39E-11	9.40E-12	6.47E-12		4.58E-13	1.08E-12	1.76E-14
Manganese	Air		kg			7.50E-12	1.77E-12	1.41E-12		1.04E-13	2.52E-13	4.08E-15
Mercury	Air		kg			8.58E-12	2.20E-12	1.69E-12		1.10E-13	2.62E-13	4.30E-15
Methane, fossil	Air		kg			2.18E-09	3.62E-09	9.42E-10		2.74E-11	5.64E-11	9.63E-13
Methane, tetrafluoro-, FC-14	Air		kg			2.25E-11	7.57E-12	4.92E-12		3.59E-13	6.72E-13	1.13E-14
Methanol	Air		kg			2.54E-11	8.61E-12	3.69E-12		6.85E-13	2.10E-12	3.28E-14
Molybdenum	Air		kg			6.74E-17	2.74E-17	6.77E-17		9.04E-18	1.97E-17	3.17E-19
Nickel	Air		kg			5.98E-12	3.21E-12	1.25E-12		7.39E-14	1.71E-13	2.81E-15
Nitrogen oxides	Air		kg			3.83E-07	4.44E-07	1.88E-07		6.04E-09	1.25E-08	2.12E-10
NMVOC, non-methane volatil	Air		kg			5.31E-08	6.81E-08	2.36E-08		8.35E-10	1.69E-09	2.88E-11
Ozone	Air		kg			6.39E-10	2.57E-10	1.10E-10		8.35E-11	1.83E-10	2.94E-12
PAH, polycyclic aromatic hyd	Air		kg			1.66E-11	6.07E-12	5.50E-12		2.56E-13	5.51E-13	9.14E-15
Particulates, < 2.5 um	Air		kg			2.86E-08	3.12E-08	1.58E-08		4.39E-10	9.97E-10	1.67E-11
Particulates, > 10 um	Air		kg			2.38E-08	2.12E-08	7.97E-09		2.72E-10	4.35E-10	7.72E-12
Particulates, > 2.5 um, and <	Air		kg			2.47E-08	8.45E-09	8.90E-09		2.93E-10	4.66E-10	8.20E-12
Phenol	Air		kg			4.59E-13	2.91E-14	7.65E-14		2.64E-15	4.05E-15	7.14E-17
Phosphorus	Air		kg			5.56E-15	2.30E-15	1.28E-15		1.08E-16	2.11E-16	3.56E-18
Platinum	Air		kg			9.35E-19	5.35E-19	4.17E-19		1.02E-20	1.99E-20	3.74E-22
Polychlorinated biphenyls	Air		kg			1.20E-13	3.17E-14	2.35E-14		1.59E-15	3.82E-15	6.25E-17
Selenium	Air		kg			6.25E-14	9.25E-14	2.28E-14		8.74E-16	1.62E-15	2.82E-17
Silicon	Air		kg			9.92E-19	1.87E-19	4.21E-16		1.86E-20	4.34E-20	7.09E-22
Sodium	Air		kg			1.61E-14	1.74E-15	2.81E-15		9.97E-17	1.62E-16	2.97E-18
Sulfate	Air		kg			8.05E-14	2.21E-14	8.46E-15		1.90E-15	6.27E-15	9.94E-17
Sulfur dioxide	Air		kg			1.58E-08	1.04E-08	4.05E-09		2.37E-10	5.15E-10	8.56E-12
Sulfur hexafluoride	Air		kg			9.48E-12	4.09E-12	1.47E-12		1.50E-12	3.31E-12	5.30E-14
Thallium	Air		kg			4.59E-14	1.32E-14	1.09E-14		1.38E-15	2.54E-15	4.34E-17
Tin	Air		kg			9.07E-13	1.39E-13	1.58E-13		7.31E-15	1.21E-14	2.12E-16
Titanium	Air		kg			9.25E-14	2.64E-14	1.79E-14		1.39E-15	3.35E-15	5.43E-17
Toluene	Air		kg			1.93E-10	3.57E-10	5.24E-11		1.99E-12	3.25E-12	5.84E-14
Vanadium	Air		kg			2.72E-13	7.77E-14	5.35E-14		4.35E-15	1.02E-14	1.67E-16
water	Air		kg			1.47E-08	2.66E-09	2.18E-09		6.58E-10	1.13E-09	1.94E-11
Xylene	Air		kg			1.92E-10	3.57E-10	5.21E-11		1.99E-12	3.24E-12	5.82E-14
Zinc	Air		kg			2.52E-10	6.35E-11	4.61E-11		2.08E-12	4.15E-12	6.99E-14
Acenaphthene	Air	high. pop	kg			1.44E-16	5.65E-17	2.39E-17		1.95E-17	4.28E-17	6.88E-19
Acetaldehyde	Air	high. pop	kg			4.82E-10	1.69E-11	4.97E-12		9.54E-12	2.48E-11	6.63E-13
Acetic acid	Air	high. pop	kg			2.88E-09	1.13E-10	9.23E-11		4.08E-11	1.06E-10	2.76E-12
Acetone	Air	high. pop	kg			4.73E-10	1.64E-11	4.47E-12		9.58E-12	2.48E-11	6.64E-13
Acrolein	Air	high. pop	kg			1.47E-14	1.07E-14	3.69E-14		5.35E-14	7.98E-14	1.41E-15
Aldehydes, unspecified	Air	high. pop	kg			1.86E-12	2.50E-13	2.86E-13		2.54E-14	6.38E-14	1.00E-15
Aluminum	Air	high. pop	kg			4.04E-10	3.86E-11	7.51E-11		5.39E-12	8.43E-12	1.48E-13
Ammonia	Air	high. pop	kg			1.43E-06	4.40E-10	6.62E-10		7.66E-11	1.50E-10	2.50E-12
Ammonium carbonate	Air	high. pop	kg			3.42E-14	1.43E-14	5.75E-15		2.56E-14	5.61E-14	8.99E-16
Antimony	Air	high. pop	kg			6.90E-14	6.46E-15	1.25E-14		8.81E-16	1.39E-15	2.44E-17
Arsenic	Air	high. pop	kg			4.18E-11	1.30E-12	4.08E-13		6.97E-13	1.91E-12	5.37E-14
Barium	Air	high. pop	kg			4.80E-12	4.63E-13	8.86E-13		6.43E-14	1.01E-13	1.77E-15
Benzaldehyde	Air	high. pop	kg			7.66E-15	5.59E-15	1.93E-14		2.79E-14	4.17E-14	7.34E-16
Benzene	Air	high. pop	kg			3.16E-09	2.37E-10	2.29E-10		2.64E-11	8.43E-11	1.40E-12
Benzene, ethyl-	Air	high. pop	kg			1.22E-10	2.95E-11	7.56E-12		5.43E-12	1.80E-11	2.99E-13
Benzene, hexachloro-	Air	high. pop	kg			1.84E-15	1.76E-16	3.74E-16		2.07E-17	3.88E-17	6.51E-19
Benzene, pentachloro-	Air	high. pop	kg			4.62E-15	4.42E-16	9.39E-16		5.20E-17	9.74E-17	1.64E-18
Benzo(a)pyrene	Air	high. pop	kg			1.57E-13	6.23E-15	6.27E-15		1.91E-15	4.93E-15	1.29E-16
Beryllium	Air	high. pop	kg			5.22E-14	6.42E-15	9.52E-15		1.28E-15	2.41E-15	4.03E-17
Boron	Air	high. pop	kg			1.84E-11	1.78E-12	3.46E-12		9.27E-13	1.42E-12	2.49E-14
Bromine	Air	high. pop	kg			3.05E-12	3.75E-13	5.21E-13		7.70E-14	1.57E-13	2.57E-15
Butane	Air	high. pop	kg			9.88E-09	1.49E-09	6.76E-10		2.56E-10	8.21E-10	1.37E-11
Butene	Air	high. pop	kg			1.23E-10	2.93E-11	7.48E-12		5.39E-12	1.80E-11	2.98E-13
Cadmium	Air	high. pop	kg			1.02E-10	2.51E-12	3.49E-13		1.55E-12	4.39E-12	1.29E-13
Calcium	Air	high. pop	kg			3.62E-10	3.15E-11	2.17E-11		1.06E-11	2.53E-11	5.50E-13
Carbon dioxide, biogenic	Air	high. pop	kg			3.14E-06	5.89E-07	5.76E-07		1.25E-07	2.64E-07	4.28E-09
Carbon dioxide, fossil	Air	high. pop	kg			5.26E-04	3.14E-05	5.34E-05		8.16E-06	2.03E-05	4.61E-07
Carbon disulfide	Air	high. pop	kg			1.29E-14	2.09E-15	2.06E-15		1.44E-16	3.49E-16	5.61E-18
Carbon monoxide, biogenic	Air	high. pop	kg			5.77E-10	9.40E-11	1.07E-10		1.54E-11	3.17E-11	5.18E-13
Carbon monoxide, fossil	Air	high. pop	kg			9.60E-08	8.61E-08	4.58E-08		1.56E-09	4.01E-09	7.36E-11
Chlorine	Air	high. pop	kg			9.83E-11	2.70E-11	6.25E-11		4.89E-12	1.03E-11	1.70E-13
Chloroform	Air	high. pop	kg			2.25E-14	9.48E-15	4.17E-15		2.84E-15	6.21E-15	9.99E-17
Chromium	Air	high. pop	kg			5.10E-11	1.69E-12	4.90E-13		8.93E-13	2.43E-12	6.70E-14
Chromium VI	Air	high. pop	kg			6.28E-13	3.22E-14	2.51E-14		1.24E-14	3.10E-14	7.84E-16
Cobalt	Air	high. pop	kg			1.06E-10	3.78E-12	8.96E-13		2.03E-12	5.40E-12	1.46E-13
Copper	Air	high. pop	kg			1.93E-10	1.09E-11	9.42E-12		3.37E-12	8.55E-12	2.25E-13
Cumene	Air	high. pop	kg			4.29E-11	7.75E-12	6.94E-12		6.39E-13	1.64E-12	2.62E-14
Cyanide	Air	high. pop	kg			4.25E-12	5.31E-13	1.11E-12		5.12E-12	7.64E-12	1.35E-13
Dinitrogen monoxide	Air	high. pop	kg			4.36E-06	5.04E-10	3.20E-09		1.99E-10	4.72E-10	1.04E-11
Dioxins, measured as 2,3,7,8	Air	high. pop	kg			7.68E-16	7.39E-17	1.42E-16		1.27E-17	1.98E-17	3.48E-19
Ethane	Air	high. pop	kg			1.56E-09	4.06E-10	1.29E-10		9.04E-11	2.60E-10	4.30E-12
Ethane, 1,1,1,2-tetrafluoro-, H	Air	high. pop	kg			1.36E-17	5.55E-18	2.53E-18		1.68E-18	3.60E-18	5.82E-20
Ethane, 1,2-dichloro-	Air	high. pop	kg			8.98E-12	2.77E-10	1.23E-12		2.72E-13	5.87E-13	9.46E-15
Ethanol	Air	high. pop	kg			9.51E-10	3.31E-11	8.74E-12		1.88E-11	4.93E-11	1.32E-12
Ethene	Air	high. pop	kg			3.67E-10	7.28E-11	3.74E-11		1.28E-11	3.94E-11	6.57E-13
Ethene, chloro-	Air	high. pop	kg			1.31E-11	7.75E-13	1.93E-12		5.50E-13	1.17E-12	1.88E-14
Ethylene diamine	Air	high. pop	kg			3.07E-16	1.36E-16	5.60E-17		3.89E-18	6.44E-18	1.11E-19
Ethylene oxide	Air	high. pop	kg			1.98E-13	6.82E-14	2.68E-14		5.93E-15	1.83E-14	2.82E-16
Ethyne	Air	high. pop	kg			1.88E-11	1.82E-12	3.50E-12		2.97E-13	4.62E-13	8.11E-15
Fluorine	Air	high. pop	kg			6.32E-13	2.18E-13	1.62E-13		5.08E-14	1.11E-13	1.78E-15
Fluosilicic acid	Air	high. pop	kg			2.91E-12	9.80E-13	6.39E-13		4.66E-14	8.78E-14	1.47E-15

Production du coton

				Irrigation (agriculture intensive)	Irrigation (agriculture biologique)	Engrais N	Engrais P2O5	Engrais K2CO3	Lixiviation NPK	Insecticides	Herbicides	Fongicides
Formaldehyde	Air	high. pop.	kg			2.13E-09	8.53E-11	7.25E-11		3.01E-11	7.81E-11	2.04E-12
Heat, waste	Air	high. pop.	MJ			1.23E-02	5.81E-04	7.99E-04		1.60E-04	3.86E-04	8.08E-06
Heptane	Air	high. pop.	kg			1.22E-09	2.93E-10	7.48E-11		5.39E-11	1.80E-10	2.98E-12
Hexane	Air	high. pop.	kg			2.75E-09	6.84E-10	1.84E-10		1.35E-10	4.26E-10	7.06E-12
Hydrocarbons, aliphatic, alka	Air	high. pop.	kg			5.82E-13	1.57E-13	1.02E-13		5.16E-15	9.17E-15	1.57E-16
Hydrocarbons, aliphatic, alka	Air	high. pop.	kg			2.54E-09	1.38E-10	1.13E-10		4.85E-11	1.25E-10	3.09E-12
Hydrocarbons, aliphatic, unsa	Air	high. pop.	kg			1.46E-10	1.47E-11	9.89E-12		5.31E-12	1.22E-11	2.50E-13
Hydrocarbons, aromatic	Air	high. pop.	kg			4.98E-10	2.88E-11	2.42E-11		7.08E-12	1.94E-11	5.75E-13
Hydrocarbons, chlorinated	Air	high. pop.	kg			4.52E-12	1.19E-13	1.98E-13		4.35E-14	9.35E-14	1.51E-15
Hydrogen	Air	high. pop.	kg			1.86E-09	2.50E-10	2.98E-09		7.50E-11	1.42E-10	2.38E-12
Hydrogen chloride	Air	high. pop.	kg			6.02E-09	2.62E-10	1.19E-09		1.12E-10	2.59E-10	6.82E-12
Hydrogen fluoride	Air	high. pop.	kg			4.98E-10	1.66E-11	1.11E-11		8.35E-12	2.17E-11	6.07E-13
Hydrogen sulfide	Air	high. pop.	kg			3.37E-11	3.19E-11	5.13E-13		2.94E-14	7.18E-14	1.16E-15
Iodine	Air	high. pop.	kg			4.29E-13	4.10E-14	7.90E-14		5.70E-15	8.95E-15	1.57E-16
Iron	Air	high. pop.	kg			7.29E-10	3.12E-11	3.35E-11		1.12E-11	2.86E-11	7.81E-13
Isocyanic acid	Air	high. pop.	kg			1.05E-11	3.89E-12	2.21E-12		1.18E-12	2.56E-12	4.13E-14
Lead	Air	high. pop.	kg			1.83E-10	5.90E-12	1.76E-12		3.14E-12	8.55E-12	2.38E-13
Lead-210	Air	high. pop.	Bq			1.75E-06	1.67E-07	3.22E-07		2.32E-08	3.64E-08	6.40E-10
m-Xylene	Air	high. pop.	kg			1.23E-12	3.69E-13	2.09E-13		1.19E-13	2.60E-13	4.19E-15
Magnesium	Air	high. pop.	kg			1.47E-10	1.48E-11	2.72E-11		2.27E-12	3.77E-12	6.51E-14
Manganese	Air	high. pop.	kg			3.67E-12	1.04E-12	6.32E-13		3.32E-13	7.18E-13	1.15E-14
Mercury	Air	high. pop.	kg			1.37E-12	3.28E-13	2.50E-13		1.20E-13	2.12E-13	3.90E-15
Methane, biogenic	Air	high. pop.	kg			7.29E-11	4.78E-09	1.50E-11		2.69E-12	6.90E-12	1.11E-13
Methane, chlorodifluoro-, HCl	Air	high. pop.	kg			1.89E-16	7.70E-17	3.52E-17		2.33E-17	5.00E-17	8.08E-19
Methane, dichloro-, HCC-30	Air	high. pop.	kg			6.99E-16	2.86E-16	1.29E-16		8.66E-17	1.89E-16	3.04E-18
Methane, dichlorodifluoro-, C	Air	high. pop.	kg			1.28E-13	1.32E-16	1.09E-16		3.89E-17	8.38E-17	1.35E-18
Methane, dichlorofluoro-, HCl	Air	high. pop.	kg			2.65E-20	1.08E-20	4.95E-21		3.27E-21	7.01E-21	1.13E-22
Methane, fossil	Air	high. pop.	kg			1.70E-08	3.55E-09	2.74E-08		5.46E-10	1.58E-09	3.04E-11
Methane, monochloro-, R-40	Air	high. pop.	kg			9.55E-18	8.69E-19	1.59E-18		1.36E-19	2.59E-19	4.32E-21
Methane, tetrachloro-, CFC-1	Air	high. pop.	kg			2.02E-13	2.72E-13	2.05E-13		1.01E-14	2.23E-14	3.57E-16
Methane, trichlorofluoro-, CFC	Air	high. pop.	kg			5.03E-20	2.04E-20	9.35E-21		6.20E-21	1.33E-20	2.15E-22
Methane, trifluoro-, HFC-23	Air	high. pop.	kg			8.47E-18	3.44E-18	1.57E-18		1.04E-18	2.23E-18	3.62E-20
Methanol	Air	high. pop.	kg			1.03E-08	4.80E-11	1.61E-11		2.81E-11	7.52E-11	2.11E-12
Molybdenum	Air	high. pop.	kg			5.05E-11	1.48E-12	3.02E-13		8.39E-13	2.31E-12	6.55E-14
Monoethanolamine	Air	high. pop.	kg			5.01E-12	4.01E-13	8.45E-13		4.69E-14	8.49E-14	1.44E-15
Nickel	Air	high. pop.	kg			2.02E-09	5.13E-11	9.22E-12		3.26E-11	9.00E-11	2.59E-12
Nitrate	Air	high. pop.	kg			4.34E-13	7.86E-14	6.40E-14		1.94E-14	3.36E-14	5.73E-16
Nitrogen oxides	Air	high. pop.	kg			2.91E-06	3.42E-08	6.38E-08		1.12E-08	2.95E-08	6.35E-10
NMVOC, non-methane volatil	Air	high. pop.	kg			7.02E-09	3.11E-09	4.93E-09		1.47E-10	4.33E-10	6.90E-12
Ozone	Air	high. pop.	kg			9.14E-14	3.13E-14	2.30E-14		6.04E-15	9.46E-15	1.69E-16
PAH, polycyclic aromatic hyd	Air	high. pop.	kg			6.76E-11	3.19E-12	4.93E-12		2.67E-13	5.98E-13	1.06E-14
Paraffins	Air	high. pop.	kg			1.01E-15	6.78E-17	1.69E-16		5.93E-18	9.17E-18	1.63E-19
Particulates, < 2.5 um	Air	high. pop.	kg			2.45E-07	3.76E-09	1.23E-09		1.88E-09	5.14E-09	1.45E-10
Particulates, > 10 um	Air	high. pop.	kg			1.66E-07	2.01E-08	2.09E-09		6.08E-10	1.66E-09	4.44E-11
Particulates, > 2.5 um, and <	Air	high. pop.	kg			8.45E-08	7.40E-09	9.61E-10		3.37E-10	8.72E-10	2.29E-11
Pentane	Air	high. pop.	kg			1.59E-08	2.10E-09	1.24E-09		3.31E-10	1.05E-09	1.75E-11
Phenol	Air	high. pop.	kg			5.42E-12	9.64E-13	9.80E-13		7.31E-14	1.18E-13	2.05E-15
Phenol, pentachloro-	Air	high. pop.	kg			5.88E-16	7.33E-17	1.17E-16		1.37E-17	2.82E-17	4.61E-19
Phosphorus	Air	high. pop.	kg			5.79E-12	1.20E-12	1.14E-12		1.52E-12	2.47E-12	4.26E-14
Platinum	Air	high. pop.	kg			1.33E-18	7.54E-19	3.26E-19		1.22E-19	2.63E-19	4.25E-21
Polonium-210	Air	high. pop.	Bq			3.18E-06	3.05E-07	5.89E-07		4.23E-08	6.67E-08	1.16E-09
Potassium	Air	high. pop.	kg			2.86E-10	7.66E-11	4.99E-11		2.39E-11	5.17E-11	8.35E-13
Potassium-40	Air	high. pop.	Bq			5.08E-07	4.85E-08	9.35E-08		6.73E-09	1.06E-08	1.86E-10
Propanal	Air	high. pop.	kg			7.66E-15	5.59E-15	1.93E-14		2.79E-14	4.17E-14	7.34E-16
Propane	Air	high. pop.	kg			6.67E-09	1.34E-09	4.37E-10		2.48E-10	7.98E-10	1.34E-11
Propene	Air	high. pop.	kg			2.98E-10	6.84E-11	2.45E-11		1.15E-11	3.74E-11	6.22E-13
Propionic acid	Air	high. pop.	kg			1.31E-10	5.91E-12	9.71E-12		4.16E-13	9.06E-13	1.46E-14
Propylene oxide	Air	high. pop.	kg			2.21E-12	4.96E-12	4.80E-13		9.54E-14	3.24E-13	4.13E-15
Radioactive species, other be	Air	high. pop.	Bq			1.40E-04	4.46E-05	2.46E-05		1.34E-06	2.39E-06	4.05E-08
Radium-226	Air	high. pop.	Bq			4.50E-07	4.31E-08	8.31E-08		6.00E-09	9.40E-09	1.65E-10
Radium-228	Air	high. pop.	Bq			2.45E-06	2.34E-07	4.50E-07		3.25E-08	5.09E-08	8.94E-10
Radon-220	Air	high. pop.	Bq			3.76E-08	3.59E-09	6.93E-09		5.00E-10	7.86E-10	1.38E-11
Radon-222	Air	high. pop.	Bq			3.76E-08	3.59E-09	6.93E-09		5.00E-10	7.86E-10	1.38E-11
Scandium	Air	high. pop.	kg			4.73E-14	4.53E-15	8.73E-15		6.31E-16	9.86E-16	1.74E-17
Selenium	Air	high. pop.	kg			3.81E-11	1.12E-12	2.65E-13		6.23E-13	1.73E-12	4.90E-14
Silicon	Air	high. pop.	kg			6.02E-10	6.01E-11	1.19E-10		1.52E-10	2.26E-10	3.99E-12
Silver	Air	high. pop.	kg			4.48E-17	3.35E-18	8.09E-18		1.34E-18	2.81E-18	4.55E-20
Sodium	Air	high. pop.	kg			2.40E-09	7.16E-11	1.90E-11		3.96E-11	1.09E-10	3.07E-12
Sodium chlorate	Air	high. pop.	kg			7.18E-13	6.42E-14	1.29E-12		1.23E-14	2.97E-14	4.80E-16
Sodium dichromate	Air	high. pop.	kg			1.66E-13	7.55E-14	2.85E-14		1.46E-13	3.19E-13	5.11E-15
Sodium formate	Air	high. pop.	kg			1.38E-14	2.58E-15	2.69E-15		3.64E-16	5.87E-16	1.02E-17
Strontium	Air	high. pop.	kg			7.13E-12	6.83E-13	1.32E-12		9.51E-14	1.49E-13	2.61E-15
Sulfate	Air	high. pop.	kg			1.27E-09	1.54E-09	1.69E-09		4.31E-11	1.00E-10	1.62E-12
Sulfur dioxide	Air	high. pop.	kg			4.41E-07	6.72E-08	2.52E-08		2.72E-08	7.24E-08	1.88E-09
t-Butyl methyl ether	Air	high. pop.	kg			1.78E-13	5.15E-14	5.11E-14		2.47E-15	4.41E-15	7.80E-17
Thallium	Air	high. pop.	kg			5.95E-14	5.72E-15	1.10E-14		7.97E-16	1.25E-15	2.19E-17
Thorium	Air	high. pop.	kg			7.13E-14	6.82E-15	1.32E-14		9.51E-16	1.49E-15	2.61E-17
Thorium-228	Air	high. pop.	Bq			2.07E-07	1.98E-08	3.81E-08		2.75E-09	4.31E-09	7.56E-11
Thorium-232	Air	high. pop.	Bq			1.31E-07	1.26E-08	2.42E-08		1.75E-09	2.74E-09	4.81E-11
Tin	Air	high. pop.	kg			8.52E-14	7.52E-15	1.96E-14		2.18E-15	4.38E-15	7.17E-17
Titanium	Air	high. pop.	kg			1.53E-11	2.21E-12	2.83E-12		2.00E-13	3.17E-13	5.55E-15
Toluene	Air	high. pop.	kg			2.13E-09	2.33E-10	1.41E-10		3.55E-11	1.16E-10	1.98E-12
Uranium	Air	high. pop.	kg			9.51E-14	9.09E-15	1.75E-14		1.27E-15	1.98E-15	3.48E-17
Uranium-238	Air	high. pop.	Bq			3.76E-07	3.59E-08	6.93E-08		5.00E-09	7.81E-09	1.38E-10
Vanadium	Air	high. pop.	kg			8.01E-09	1.88E-10	3.15E-11		1.27E-10	3.49E-10	1.01E-11
Xylene	Air	high. pop.	kg			4.92E-10	1.18E-10	3.07E-11		2.17E-11	7.18E-11	1.20E-12
Zinc	Air	high. pop.	kg			1.65E-10	1.03E-11	9.52E-12		4.04E-12	9.00E-12	2.19E-13
Acetone	Air	low. pop.	kg			8.79E-12	3.51E-12	1.48E-12		1.20E-12	2.63E-12	4.23E-14
Acrolein	Air	low. pop.	kg			1.08E-14	4.33E-15	1.82E-15		1.48E-15	3.24E-15	5.21E-17
Actinides, radioactive, unspe	Air	low. pop.	Bq			2.49E-11	1.02E-11	4.30E-12		3.36E-12	7.35E-12	1.19E-13
Aerosols, radioactive, unspec	Air	low. pop.	Bq			4.80E-07	1.95E-07	8.23E-08		6.50E-08	1.42E-07	2.28E-09
Aldehydes, unspecified	Air	low. pop.	kg			9.12E-13	3.77E-13	1.59E-13		1.21E-13	2.65E-13	4.26E-15
Aluminum	Air	low. pop.	kg			1.48E-10	2.22E-12	1.79E-12		1.24E-13	2.89E-13	4.71E-15
Ammonia	Air	low. pop.	kg			1.13E-09	1.89E-09	1.59E-10		4.89E-11	1.12E-10	1.87E-12
Antimony	Air	low. pop.	kg			8.08E-12	1.02E-12	1.39E-12		3.17E-13	6.67E-13	1.08E-14

Production du coton

			Irrigation (agriculture intensive)	Irrigation (agriculture biologique)	Engrais N	Engrais P2O5	Engrais K2CO3	Lixiviation NPK	Insecticides	Herbicides	Fongicides
Antimony-124	Air	low. pop. Bq			3.46E-12	1.96E-12	8.51E-13		3.18E-13	6.84E-13	1.10E-14
Antimony-125	Air	low. pop. Bq			3.62E-11	2.05E-11	8.88E-12		3.32E-12	7.18E-12	1.15E-13
Argon-41	Air	low. pop. Bq			3.00E-04	1.21E-04	5.09E-05		4.12E-05	8.95E-05	1.45E-06
Arsenic	Air	low. pop. kg			7.27E-11	8.53E-12	1.23E-11		2.27E-12	4.72E-12	7.69E-14
Barium	Air	low. pop. kg			6.81E-12	2.69E-12	1.14E-12		9.16E-13	2.01E-12	3.22E-14
Barium-140	Air	low. pop. Bq			2.35E-09	1.33E-09	5.78E-10		2.16E-10	4.66E-10	7.52E-12
Benzene	Air	low. pop. kg			3.39E-10	3.36E-10	5.54E-11		4.39E-11	9.57E-11	1.55E-12
Benzo(a)pyrene	Air	low. pop. kg			1.65E-12	6.55E-13	2.78E-13		2.22E-13	4.87E-13	7.82E-15
Beryllium	Air	low. pop. kg			4.85E-14	4.51E-15	8.58E-15		9.01E-16	1.84E-15	3.00E-17
Boron	Air	low. pop. kg			6.81E-10	2.70E-10	1.14E-10		9.31E-11	2.04E-10	3.28E-12
Bromine	Air	low. pop. kg			4.18E-11	1.66E-11	7.01E-12		5.70E-12	1.24E-11	2.00E-13
Butadiene	Air	low. pop. kg			9.00E-19	2.14E-19	5.61E-20		4.96E-19	1.91E-18	2.30E-20
Butane	Air	low. pop. kg			1.78E-09	1.08E-10	2.04E-10		2.97E-11	1.05E-10	1.40E-12
Cadmium	Air	low. pop. kg			2.10E-11	2.76E-12	3.61E-12		7.12E-13	1.48E-12	2.40E-14
Calcium	Air	low. pop. kg			9.85E-11	2.89E-13	2.53E-13		1.76E-14	4.06E-14	6.63E-16
Carbon-14	Air	low. pop. Bq			2.04E-03	8.45E-04	3.58E-04		2.71E-04	5.93E-04	9.52E-06
Carbon dioxide, biogenic	Air	low. pop. kg			3.12E-08	8.61E-09	4.80E-09		2.46E-09	5.37E-09	8.65E-11
Carbon dioxide, fossil	Air	low. pop. kg			6.51E-05	3.44E-05	9.37E-06		6.00E-06	1.40E-05	2.23E-07
Carbon disulfide	Air	low. pop. kg			3.35E-09	3.75E-10	4.72E-10		5.93E-11	1.24E-10	2.00E-12
Carbon monoxide, biogenic	Air	low. pop. kg			5.65E-11	1.99E-11	1.28E-11		1.51E-12	2.64E-12	4.54E-14
Carbon monoxide, fossil	Air	low. pop. kg			7.89E-08	4.39E-08	9.00E-09		3.47E-09	9.63E-09	1.52E-10
Cerium-141	Air	low. pop. Bq			5.70E-10	3.24E-10	1.40E-10		5.23E-11	1.13E-10	1.83E-12
Cesium-134	Air	low. pop. Bq			2.72E-11	1.55E-11	6.71E-12		2.51E-12	5.40E-12	8.74E-14
Cesium-137	Air	low. pop. Bq			4.85E-10	2.74E-10	1.19E-10		4.46E-11	9.57E-11	1.55E-12
Chlorine	Air	low. pop. kg			1.07E-16	3.86E-17	2.38E-17		1.86E-18	3.56E-18	5.96E-20
Chromium	Air	low. pop. kg			1.71E-09	1.00E-10	2.86E-10		1.10E-11	1.76E-11	3.05E-13
Chromium-51	Air	low. pop. Bq			3.65E-11	2.07E-11	8.97E-12		3.36E-12	7.24E-12	1.16E-13
Chromium VI	Air	low. pop. kg			4.29E-11	2.51E-12	7.16E-12		2.81E-13	4.55E-13	7.89E-15
Cobalt	Air	low. pop. kg			1.28E-10	1.76E-12	3.87E-12		2.36E-13	4.58E-13	7.51E-15
Cobalt-58	Air	low. pop. Bq			5.10E-11	2.89E-11	1.25E-11		4.66E-12	1.01E-11	1.63E-13
Cobalt-60	Air	low. pop. Bq			4.50E-10	2.55E-10	1.10E-10		4.12E-11	8.89E-11	1.44E-12
Copper	Air	low. pop. kg			2.91E-10	2.38E-11	4.42E-11		7.08E-12	1.46E-11	2.39E-13
Cyanide	Air	low. pop. kg			1.96E-11	1.37E-12	3.28E-12		2.13E-13	3.95E-13	6.61E-15
Dinitrogen monoxide	Air	low. pop. kg			1.24E-09	7.52E-10	1.75E-10		1.29E-10	2.95E-10	4.76E-12
Dioxins, measured as 2,3,7,8	Air	low. pop. kg			6.30E-15	1.37E-15	1.06E-15		4.81E-16	1.04E-15	1.68E-17
Ethane	Air	low. pop. kg			3.35E-08	1.65E-09	4.02E-09		5.12E-10	1.83E-09	2.31E-11
Ethane, 1,1,1,2-tetrafluoro-, H	Air	low. pop. kg			4.82E-14	2.00E-14	8.47E-15		6.35E-15	1.39E-14	2.24E-16
Ethane, 1,2-dichloro-1,1,2,2-t	Air	low. pop. kg			4.78E-13	1.98E-13	8.42E-14		6.27E-14	1.37E-13	2.21E-15
Ethanol	Air	low. pop. kg			2.49E-13	1.04E-13	4.38E-14		3.30E-14	7.24E-14	1.16E-15
Ethene	Air	low. pop. kg			2.58E-11	6.26E-12	4.90E-12		3.48E-13	7.98E-13	1.31E-14
Ethylene oxide	Air	low. pop. kg			8.72E-18	2.08E-18	5.44E-19		4.81E-18	1.86E-17	2.23E-19
Ethyne	Air	low. pop. kg			8.17E-13	1.95E-13	1.54E-13		1.07E-14	2.48E-14	4.06E-16
Fluorine	Air	low. pop. kg			1.70E-11	1.43E-12	3.01E-12		2.89E-13	5.87E-13	9.55E-15
Formaldehyde	Air	low. pop. kg			1.15E-10	1.47E-11	1.92E-11		3.48E-12	7.29E-12	1.19E-13
Heat, waste	Air	low. pop. MJ			1.00E-03	3.72E-04	1.46E-04		9.35E-05	2.17E-04	3.48E-06
Helium	Air	low. pop. kg			2.31E-10	6.78E-11	2.90E-11		1.02E-11	3.32E-11	5.51E-13
Hexane	Air	low. pop. kg			1.97E-11	8.13E-12	3.44E-12		2.62E-12	5.70E-12	9.20E-14
Hydrocarbons, aliphatic, alka	Air	low. pop. kg			2.07E-09	1.31E-10	2.54E-10		4.46E-11	1.45E-10	1.90E-12
Hydrocarbons, aliphatic, unsa	Air	low. pop. kg			8.15E-11	3.23E-11	1.38E-11		1.09E-11	2.39E-11	3.86E-13
Hydrocarbons, aromatic	Air	low. pop. kg			1.04E-09	5.13E-11	1.25E-10		1.75E-11	6.27E-11	7.89E-13
Hydrogen-3, Tritium	Air	low. pop. Bq			1.16E-02	4.74E-03	2.00E-03		1.56E-03	3.41E-03	5.49E-05
Hydrogen chloride	Air	low. pop. kg			3.16E-09	1.49E-09	5.26E-10		4.27E-10	9.40E-10	1.51E-11
Hydrogen fluoride	Air	low. pop. kg			7.68E-10	1.27E-09	1.31E-10		1.04E-10	2.27E-10	3.65E-12
Hydrogen sulfide	Air	low. pop. kg			4.89E-09	2.17E-10	5.93E-10		7.35E-11	2.76E-10	3.37E-12
Iodine	Air	low. pop. kg			2.31E-11	9.17E-12	3.86E-12		3.14E-12	6.90E-12	1.10E-13
Iodine-129	Air	low. pop. Bq			2.05E-06	8.37E-07	3.53E-07		2.74E-07	5.98E-07	9.65E-09
Iodine-131	Air	low. pop. Bq			1.19E-04	4.77E-05	2.01E-05		1.62E-05	3.55E-05	5.71E-07
Iodine-133	Air	low. pop. Bq			2.82E-09	1.59E-09	6.91E-10		2.58E-10	5.57E-10	9.00E-12
Iron	Air	low. pop. kg			3.76E-06	9.01E-07	7.09E-07		4.93E-08	1.15E-07	1.87E-09
Krypton-85	Air	low. pop. Bq			9.44E-04	3.79E-04	1.59E-04		1.28E-04	2.81E-04	4.52E-06
Krypton-85m	Air	low. pop. Bq			4.89E-05	2.53E-05	1.08E-05		5.16E-06	1.12E-05	1.81E-07
Krypton-87	Air	low. pop. Bq			1.90E-05	8.85E-06	3.78E-06		2.26E-06	4.91E-06	7.90E-08
Krypton-88	Air	low. pop. Bq			1.89E-05	9.25E-06	3.96E-06		2.14E-06	4.64E-06	7.48E-08
Krypton-89	Air	low. pop. Bq			4.98E-06	2.70E-06	1.17E-06		4.93E-07	1.06E-06	1.72E-08
Lanthanum-140	Air	low. pop. Bq			2.01E-10	1.14E-10	4.94E-11		1.85E-11	3.98E-11	6.43E-13
Lead	Air	low. pop. kg			3.58E-10	7.85E-11	6.18E-11		7.81E-12	1.58E-11	2.59E-13
Lead-210	Air	low. pop. Bq			8.72E-06	2.28E-04	1.58E-06		1.18E-06	2.58E-06	4.14E-08
Magnesium	Air	low. pop. kg			8.65E-11	8.05E-13	6.62E-13		4.58E-14	1.06E-13	1.74E-15
Manganese	Air	low. pop. kg			3.65E-11	3.64E-12	6.32E-12		1.11E-12	2.33E-12	3.78E-14
Manganese-54	Air	low. pop. Bq			1.87E-11	1.06E-11	4.60E-12		1.72E-12	3.70E-12	5.99E-14
Mercury	Air	low. pop. kg			6.62E-12	1.17E-12	1.05E-12		2.59E-13	5.87E-13	9.50E-15
Methane, biogenic	Air	low. pop. kg			1.68E-09	1.16E-10	1.84E-10		3.06E-11	7.12E-11	1.12E-12
Methane, bromochlorodifluor	Air	low. pop. kg			1.03E-11	4.63E-13	1.24E-12		1.42E-13	5.20E-13	6.45E-15
Methane, bromotrifluoro-, Hal	Air	low. pop. kg			3.18E-12	7.97E-13	2.35E-13		1.41E-13	4.66E-13	7.74E-15
Methane, chlorodifluoro-, HCl	Air	low. pop. kg			3.58E-11	1.87E-12	4.38E-12		5.93E-13	2.02E-12	2.57E-14
Methane, dichlorodifluoro-, C	Air	low. pop. kg			3.55E-14	1.75E-15	4.30E-15		6.00E-16	2.15E-15	2.70E-17
Methane, fossil	Air	low. pop. kg			1.25E-06	1.19E-07	1.97E-07		3.54E-08	9.52E-08	1.38E-09
Methanol	Air	low. pop. kg			2.91E-11	6.08E-12	4.58E-12		6.43E-13	1.67E-12	2.62E-14
Molybdenum	Air	low. pop. kg			3.95E-13	1.56E-13	6.58E-14		5.39E-14	1.18E-13	1.90E-15
Nickel	Air	low. pop. kg			1.95E-10	1.09E-10	2.53E-11		5.54E-12	1.20E-11	1.98E-13
Niobium-95	Air	low. pop. Bq			2.22E-12	1.26E-12	5.46E-13		2.04E-13	4.39E-13	7.10E-15
Nitrogen oxides	Air	low. pop. kg			2.14E-07	2.81E-07	2.45E-08		1.39E-08	3.52E-08	5.69E-10
NMVOC, non-methane volatil	Air	low. pop. kg			2.01E-07	4.35E-08	2.23E-08		6.27E-09	2.06E-08	3.18E-10
Noble gases, radioactive, uns	Air	low. pop. Bq			1.97E+01	8.05E+00	3.40E+00		2.64E+00	5.76E+00	9.28E-02
PAH, polycyclic aromatic hyd	Air	low. pop. kg			3.37E-12	9.33E-12	3.56E-13		2.51E-13	6.10E-13	1.00E-14
Particulates, < 2.5 um	Air	low. pop. kg			5.54E-08	5.34E-08	8.72E-09		2.51E-09	5.76E-09	9.30E-11
Particulates, > 10 um	Air	low. pop. kg			1.33E-07	1.89E-07	2.69E-08		9.47E-09	1.68E-08	2.85E-10
Particulates, > 2.5 um, and <	Air	low. pop. kg			9.44E-08	1.04E-07	1.97E-08		2.90E-09	5.87E-09	9.75E-11
Pentane	Air	low. pop. kg			5.49E-11	2.18E-11	9.23E-12		7.43E-12	1.63E-11	2.62E-13
Phenol	Air	low. pop. kg			5.22E-11	3.41E-12	8.74E-12		3.06E-13	4.75E-13	8.41E-15
Phenol, pentachloro-	Air	low. pop. kg			7.15E-13	2.85E-13	1.20E-13		9.77E-14	2.14E-13	3.43E-15
Phosphorus	Air	low. pop. kg			6.35E-14	1.67E-14	1.18E-14		2.01E-15	4.50E-15	7.27E-17
Plutonium-238	Air	low. pop. Bq			2.79E-13	1.14E-13	4.82E-14		3.74E-14	8.21E-14	1.32E-15
Plutonium-alpha	Air	low. pop. Bq			6.39E-13	2.62E-13	1.10E-13		8.58E-14	1.87E-13	3.02E-15
Polonium-210	Air	low. pop. Bq			1.52E-05	2.31E-04	2.69E-06		2.06E-06	4.50E-06	7.25E-08

			Production du coton							
			Irrigation (agriculture intensive)	Irrigation (agriculture biologique)	Engrais N	Engrais P2O5	Engrais K2CO3	Lixiviation NPK	Insecticides	Herbicides	Fongicides
Potassium	Air	low. pop.	kg		1.18E-12	2.92E-13	2.23E-13		1.58E-14	3.62E-14	5.93E-16
Potassium-40	Air	low. pop.	Bq		1.75E-06	6.97E-07	2.96E-07		2.39E-07	5.22E-07	8.40E-09
Propane	Air	low. pop.	kg		1.01E-08	5.05E-10	1.21E-09		1.56E-10	5.68E-10	7.19E-12
Propene	Air	low. pop.	kg		7.62E-12	2.77E-12	1.31E-12		8.31E-13	1.82E-12	2.93E-14
Protactinium-234	Air	low. pop.	Bq		2.79E-07	1.16E-07	4.88E-08		3.72E-08	8.15E-08	1.31E-09
Radioactive species, other be	Air	low. pop.	Bq		1.39E-08	5.58E-09	2.35E-09		1.89E-09	4.13E-09	6.64E-11
Radium-226	Air	low. pop.	Bq		1.14E-05	4.04E-04	2.19E-06		1.50E-06	3.28E-06	5.27E-08
Radium-228	Air	low. pop.	Bq		6.53E-07	2.60E-07	1.09E-07		8.93E-08	1.95E-07	3.14E-09
Radon-222	Air	low. pop.	Bq		8.68E-01	3.58E-01	1.52E-01		1.15E-01	2.51E-01	4.05E-03
Ruthenium-103	Air	low. pop.	Bq		4.89E-13	2.77E-13	1.20E-13		4.50E-14	9.63E-14	1.56E-15
Scandium	Air	low. pop.	kg		2.13E-15	5.08E-16	4.00E-16		2.77E-17	6.50E-17	1.05E-18
Selenium	Air	low. pop.	kg		9.88E-12	3.44E-12	1.64E-12		7.00E-13	1.52E-12	2.45E-14
Silicon	Air	low. pop.	kg		2.38E-11	6.90E-12	4.82E-12		3.54E-13	7.47E-13	1.24E-14
Silicon tetrafluoride	Air	low. pop.	kg		6.35E-14	4.88E-15	1.18E-13		8.20E-16	2.06E-15	3.33E-17
Silver	Air	low. pop.	kg		1.20E-14	1.40E-17	1.05E-17		4.08E-18	8.89E-18	1.44E-19
Silver-110	Air	low. pop.	Bq		4.85E-12	2.74E-12	1.19E-12		4.43E-13	9.57E-13	1.55E-14
Sodium	Air	low. pop.	kg		5.61E-13	1.30E-13	1.04E-13		7.31E-15	1.70E-14	2.78E-16
Strontium	Air	low. pop.	kg		6.62E-12	2.61E-12	1.11E-12		8.93E-13	1.95E-12	3.14E-14
Styrene	Air	low. pop.	kg		9.09E-15	3.63E-15	1.53E-15		1.24E-15	2.72E-15	4.38E-17
Sulfur dioxide	Air	low. pop.	kg		7.29E-07	3.40E-07	6.37E-08		3.96E-08	1.04E-07	1.65E-09
Sulfur hexafluoride	Air	low. pop.	kg		3.46E-15	4.32E-16	5.92E-16		1.07E-16	2.09E-16	3.44E-18
Thallium	Air	low. pop.	kg		8.54E-16	2.55E-16	1.55E-16		5.00E-17	1.11E-16	1.79E-18
Thorium	Air	low. pop.	kg		2.13E-15	5.08E-16	4.00E-16		2.77E-17	6.50E-17	1.05E-18
Thorium-228	Air	low. pop.	Bq		3.53E-07	1.40E-07	5.95E-08		4.81E-08	1.05E-07	1.69E-09
Thorium-230	Air	low. pop.	Bq		1.15E-06	3.75E-04	3.96E-07		1.39E-07	3.05E-07	4.90E-09
Thorium-232	Air	low. pop.	Bq		5.54E-07	4.21E-06	9.61E-08		7.54E-08	1.65E-07	2.66E-09
Thorium-234	Air	low. pop.	Bq		2.79E-07	1.16E-07	4.89E-08		3.72E-08	8.15E-08	1.31E-09
Tin	Air	low. pop.	kg		1.96E-11	1.47E-12	3.24E-12		3.37E-13	6.72E-13	1.10E-14
Titanium	Air	low. pop.	kg		3.28E-13	7.83E-14	6.16E-14		4.27E-15	9.97E-15	1.63E-16
Toluene	Air	low. pop.	kg		5.45E-11	1.06E-10	8.50E-12		6.47E-12	1.42E-11	2.30E-13
Uranium	Air	low. pop.	kg		1.08E-15	2.58E-16	2.04E-16		1.41E-17	3.29E-17	5.37E-19
Uranium-234	Air	low. pop.	Bq		3.37E-06	3.76E-04	7.85E-07		4.35E-07	9.52E-07	1.54E-08
Uranium-235	Air	low. pop.	Bq		1.59E-07	6.55E-08	2.77E-08		2.11E-08	4.60E-08	7.41E-10
Uranium-238	Air	low. pop.	Bq		4.82E-06	3.76E-04	1.03E-06		6.31E-07	1.38E-06	2.22E-08
Uranium alpha	Air	low. pop.	Bq		1.53E-05	6.31E-06	2.67E-06		2.03E-06	4.44E-06	7.14E-08
Vanadium	Air	low. pop.	kg		2.72E-12	9.40E-13	4.57E-13		3.25E-13	7.12E-13	1.14E-14
water	Air	low. pop.	kg		5.91E-14	1.40E-14	3.68E-15		3.25E-14	1.25E-13	1.51E-15
Xenon-131m	Air	low. pop.	Bq		8.77E-05	4.17E-05	1.78E-05		1.02E-05	2.22E-05	3.58E-07
Xenon-133	Air	low. pop.	Bq		2.82E-03	1.37E-03	5.85E-04		3.19E-04	6.95E-04	1.11E-05
Xenon-133m	Air	low. pop.	Bq		1.15E-05	4.84E-06	2.04E-06		1.51E-06	3.31E-06	5.31E-08
Xenon-135	Air	low. pop.	Bq		1.15E-03	5.57E-04	2.38E-04		1.31E-04	2.86E-04	4.60E-06
Xenon-135m	Air	low. pop.	Bq		6.83E-04	3.34E-04	1.43E-04		7.66E-05	1.66E-04	2.68E-06
Xenon-137	Air	low. pop.	Bq		1.37E-05	7.40E-06	3.19E-06		1.35E-06	2.91E-06	4.70E-08
Xenon-138	Air	low. pop.	Bq		1.19E-04	6.19E-05	2.67E-05		1.24E-05	2.68E-05	4.32E-07
Xylene	Air	low. pop.	kg		3.55E-10	2.26E-10	5.93E-11		4.77E-11	1.04E-10	1.68E-12
Zinc	Air	low. pop.	kg		5.28E-10	8.93E-11	8.92E-11		7.58E-12	1.49E-11	2.47E-13
Zinc-65	Air	low. pop.	Bq		9.35E-11	5.30E-11	2.29E-11		8.58E-12	1.85E-11	2.99E-13
Zirconium	Air	low. pop.	kg		2.63E-14	6.26E-15	4.94E-15		3.42E-16	7.98E-16	1.31E-17
Zirconium-95	Air	low. pop.	Bq		9.14E-11	5.18E-11	2.24E-11		8.39E-12	1.81E-11	2.92E-13
Radon-222	Air	low. pop.	Bq		3.62E+01	1.50E+01	6.33E+00		4.81E+00	1.05E+01	1.70E-01
Benzene	Air	stratosph	kg		5.79E-18	1.38E-18	3.61E-19		3.19E-18	1.23E-17	1.48E-19
Butadiene	Air	stratosph	kg		5.49E-18	1.31E-18	3.42E-19		3.02E-18	1.17E-17	1.41E-19
Cadmium	Air	stratosph	kg		2.91E-21	6.92E-22	1.81E-22		1.60E-21	6.15E-21	7.41E-23
Carbon dioxide, fossil	Air	stratosph	kg		9.14E-13	2.18E-13	5.69E-14		5.04E-13	1.94E-12	2.34E-14
Carbon monoxide, fossil	Air	stratosph	kg		1.07E-15	2.56E-16	6.68E-17		5.93E-16	2.28E-15	2.74E-17
Chromium	Air	stratosph	kg		1.45E-20	3.45E-21	9.03E-22		7.97E-21	3.08E-20	3.71E-22
Copper	Air	stratosph	kg		4.94E-19	1.18E-19	3.07E-20		2.72E-19	1.05E-18	1.26E-20
Dinitrogen monoxide	Air	stratosph	kg		8.70E-18	2.07E-18	5.42E-19		4.77E-18	1.85E-17	2.22E-19
Ethylene oxide	Air	stratosph	kg		5.31E-17	1.27E-17	3.31E-18		2.93E-17	1.13E-16	1.36E-18
Formaldehyde	Air	stratosph	kg		4.55E-17	1.08E-17	2.84E-18		2.51E-17	9.69E-17	1.16E-18
Heat, waste	Air	stratosph	MJ		1.32E-11	3.15E-12	8.24E-13		7.27E-12	2.81E-11	3.37E-13
Hydrogen chloride	Air	stratosph	kg		2.49E-19	5.95E-20	1.55E-20		1.37E-19	5.30E-19	6.37E-21
Lead	Air	stratosph	kg		5.79E-21	1.38E-21	3.61E-22		3.19E-21	1.23E-20	1.48E-22
Mercury	Air	stratosph	kg		2.03E-23	4.84E-24	1.26E-24		1.12E-23	4.31E-23	5.18E-25
Methane, fossil	Air	stratosph	kg		1.45E-17	3.45E-18	9.03E-19		7.97E-18	3.08E-17	3.71E-19
Nickel	Air	stratosph	kg		2.03E-20	4.84E-21	1.26E-21		1.12E-20	4.31E-20	5.18E-22
Nitrogen oxides	Air	stratosph	kg		4.06E-15	9.72E-16	2.53E-16		2.24E-15	8.66E-15	1.04E-16
NMVOC, non-methane volatil	Air	stratosph	kg		1.95E-16	4.64E-17	1.22E-17		1.07E-16	4.14E-16	4.97E-18
Particulates, < 2.5 um	Air	stratosph	kg		1.10E-17	2.62E-18	6.86E-19		6.08E-18	2.34E-17	2.81E-19
Selenium	Air	stratosph	kg		2.91E-21	6.92E-22	1.81E-22		1.60E-21	6.15E-21	7.41E-23
Sulfur dioxide	Air	stratosph	kg		2.91E-16	6.92E-17	1.81E-17		1.60E-16	6.15E-16	7.41E-18
water	Air	stratosph	kg		3.60E-13	8.53E-14	2.23E-14		1.98E-13	7.64E-13	9.17E-15
Zinc	Air	stratosph	kg		2.91E-19	6.92E-20	1.81E-20		1.60E-19	6.15E-19	7.41E-21
Aluminum	Water		kg		3.07E-12	8.13E-13	4.28E-13		5.85E-14	1.80E-13	2.85E-15
AOX, Adsorbable Organic Ha	Water		kg		4.98E-14	1.00E-14	7.92E-15		8.97E-16	2.38E-15	3.75E-17
Arsenic, ion	Water		kg		5.01E-11	1.42E-11	9.71E-12		7.47E-13	1.81E-12	2.93E-14
BOD5, Biological Oxygen De	Water		kg		7.55E-08	2.14E-08	1.46E-08		1.13E-09	2.73E-09	4.43E-11
Cadmium, ion	Water		kg		5.17E-11	1.51E-11	9.99E-12		7.70E-13	1.86E-12	3.02E-14
Chloride	Water		kg		1.23E-06	3.11E-07	1.24E-07		2.93E-08	9.74E-08	1.54E-09
Chromium VI	Water		kg		5.03E-11	1.43E-11	9.71E-12		7.50E-13	1.82E-12	2.95E-14
Chromium, ion	Water		kg		7.29E-12	5.93E-12	1.39E-12		9.20E-14	2.23E-13	3.65E-15
COD, Chemical Oxygen Dem	Water		kg		7.55E-08	2.14E-08	1.46E-08		1.13E-09	2.73E-09	4.43E-11
Copper, ion	Water		kg		2.56E-10	7.95E-11	4.96E-11		3.81E-12	9.17E-12	1.50E-13
Cyanide	Water		kg		5.01E-10	1.42E-10	9.71E-11		7.47E-12	1.81E-11	2.93E-13
DOC, Dissolved Organic Carl	Water		kg		2.95E-08	8.37E-09	5.71E-09		4.43E-10	1.07E-09	1.74E-11
Fluoride	Water		kg		3.90E-11	2.96E-12	7.24E-11		5.00E-13	1.25E-12	2.03E-14
Formaldehyde	Water		kg		4.98E-12	1.00E-12	7.92E-13		8.97E-14	2.38E-13	3.75E-15
Heat, waste	Water		MJ		2.31E-07	5.18E-07	5.08E-08		2.48E-09	4.47E-09	7.84E-11
Hydrocarbons, unspecified	Water		kg		1.86E-11	4.30E-12	3.30E-12		2.56E-13	6.72E-13	1.07E-14
Iron, ion	Water		kg		2.35E-09	6.49E-10	4.53E-10		4.00E-11	1.08E-10	1.74E-12
Lead	Water		kg		1.04E-10	3.18E-11	2.02E-11		1.55E-12	3.74E-12	6.08E-14
Manganese	Water		kg		6.02E-12	1.39E-12	1.06E-12		8.27E-14	2.17E-13	3.49E-15
Mercury	Water		kg		5.28E-12	1.49E-12	1.02E-12		7.89E-14	1.91E-13	3.10E-15
Methanol	Water		kg		1.50E-12	3.02E-13	2.37E-13		2.69E-14	7.12E-14	1.12E-15
Nickel, ion	Water		kg		2.61E-10	7.72E-11	5.02E-11		3.89E-12	9.35E-12	1.52E-13

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				Irrigation (agriculture intensive)	Irrigation (agriculture biologique)	Engrais N	Engrais P2O5	Engrais K2CO3	Lixiviation NPK	Insecticides	Herbicides	Fongicides
Oils, unspecified	Water		kg			5.08E-09	1.65E-09	9.71E-10		7.85E-11	1.90E-10	3.09E-12
Phenol	Water		kg			4.98E-13	1.00E-13	7.92E-14		8.97E-15	2.38E-14	3.75E-16
Phosphorus	Water		kg			5.03E-13	1.01E-13	8.00E-14		9.01E-15	2.38E-14	3.76E-16
Sodium, ion	Water		kg			2.03E-08	4.76E-08	5.15E-09		2.04E-10	3.39E-10	6.11E-12
Sulfate	Water		kg			7.92E-12	2.00E-12	8.04E-13		1.89E-13	6.27E-13	9.91E-15
Suspended solids, unspecifie	Water		kg			1.61E-09	3.78E-10	2.89E-10		2.23E-11	5.81E-11	9.34E-13
TOC, Total Organic Carbon	Water		kg			2.95E-08	8.37E-09	5.71E-09		4.43E-10	1.07E-09	1.74E-11
Zinc, ion	Water		kg			1.18E-09	7.06E-10	2.34E-10		1.67E-11	3.90E-11	6.39E-13
Aluminum	Water	groundw	kg			7.13E-11	2.78E-11	1.21E-11		1.00E-11	2.05E-11	3.34E-13
Ammonium, ion	Water	groundw	kg			1.17E-11	4.04E-12	2.04E-12		1.87E-12	2.67E-12	4.80E-14
Antimony	Water	groundw	kg			7.25E-12	2.88E-12	1.21E-12		1.00E-12	2.19E-12	3.51E-14
Arsenic, ion	Water	groundw	kg			3.42E-11	1.35E-11	5.70E-12		4.66E-12	1.02E-11	1.65E-13
Barium	Water	groundw	kg			1.45E-11	6.01E-12	2.53E-12		1.93E-12	4.22E-12	6.80E-14
Beryllium	Water	groundw	kg			1.03E-14	4.09E-15	1.72E-15		1.41E-15	3.09E-15	4.97E-17
BOD5, Biological Oxygen De	Water	groundw	kg			2.33E-12	8.05E-13	4.04E-13		3.73E-13	5.33E-13	9.59E-15
Boron	Water	groundw	kg			1.68E-11	6.68E-12	2.82E-12		2.29E-12	5.02E-12	8.07E-14
Bromine	Water	groundw	kg			1.60E-11	6.36E-12	2.68E-12		2.18E-12	4.78E-12	7.68E-14
Cadmium, ion	Water	groundw	kg			7.85E-15	3.22E-15	1.41E-15		1.05E-15	2.26E-15	3.65E-17
Calcium, ion	Water	groundw	kg			7.87E-11	3.11E-11	1.46E-11		1.07E-11	2.33E-11	3.75E-13
Chloride	Water	groundw	kg			1.41E-07	4.77E-08	2.46E-08		2.27E-08	3.09E-08	5.65E-10
Chlorine	Water	groundw	kg			8.24E-12	3.40E-12	1.44E-12		1.09E-12	2.39E-12	3.85E-14
Chromium VI	Water	groundw	kg			1.38E-11	5.50E-12	2.32E-12		1.90E-12	4.16E-12	6.69E-14
Chromium, ion	Water	groundw	kg			2.06E-12	8.53E-13	3.60E-13		2.74E-13	5.98E-13	9.63E-15
Cobalt	Water	groundw	kg			1.16E-13	4.71E-14	1.99E-14		1.57E-14	3.44E-14	5.53E-16
COD, Chemical Oxygen Dem	Water	groundw	kg			2.33E-12	8.05E-13	4.04E-13		3.73E-13	5.33E-13	9.59E-15
Copper, ion	Water	groundw	kg			7.06E-13	2.90E-13	1.23E-13		9.43E-14	2.03E-13	3.28E-15
Fluoride	Water	groundw	kg			4.18E-11	1.47E-11	7.23E-12		6.50E-12	9.97E-12	1.76E-13
Iodide	Water	groundw	kg			2.03E-12	8.13E-13	3.41E-13		2.78E-13	6.10E-13	9.79E-15
Iron, ion	Water	groundw	kg			3.44E-08	1.37E-08	5.77E-09		4.69E-09	1.03E-08	1.66E-10
Lead	Water	groundw	kg			5.38E-15	1.90E-15	9.35E-16		8.47E-16	1.28E-15	2.27E-17
Lead-210	Water	groundw	Bq			2.02E-08	1.55E-09	3.75E-08		2.62E-10	6.61E-10	1.06E-11
Magnesium	Water	groundw	kg			1.46E-11	5.80E-12	2.44E-12		1.99E-12	4.36E-12	7.01E-14
Manganese	Water	groundw	kg			1.77E-11	6.19E-12	3.07E-12		2.79E-12	4.12E-12	7.33E-14
Mercury	Water	groundw	kg			2.03E-17	8.05E-18	3.41E-18		2.77E-18	6.10E-18	9.77E-20
Molybdenum	Water	groundw	kg			3.76E-11	1.49E-11	6.26E-12		5.16E-12	1.13E-11	1.82E-13
Nickel, ion	Water	groundw	kg			1.31E-12	4.58E-13	2.27E-13		2.05E-13	3.08E-13	5.46E-15
Nitrate	Water	groundw	kg			4.50E-10	3.49E-10	1.06E-10	7.31E-06	8.12E-12	1.45E-11	2.65E-13
Phosphate	Water	groundw	kg			1.62E-12	7.59E-13	4.02E-13	2.52E-06	1.93E-13	4.11E-13	6.66E-15
Polonium-210	Water	groundw	Bq			3.07E-08	2.37E-09	5.71E-08		4.00E-10	1.00E-09	1.62E-11
Potassium-40	Water	groundw	Bq			2.45E-09	1.88E-10	4.53E-09		3.17E-11	7.98E-11	1.29E-12
Potassium, ion	Water	groundw	kg			3.44E-09	1.37E-09	5.78E-10	2.97E-06	4.69E-10	1.03E-09	1.66E-11
Radium-226	Water	groundw	Bq			2.27E-08	1.75E-09	4.21E-08		2.94E-10	7.41E-10	1.20E-11
Rubidium	Water	groundw	kg			2.00E-13	8.29E-14	3.50E-14		2.66E-14	5.81E-14	9.36E-16
Scandium	Water	groundw	kg			1.44E-12	5.72E-13	2.41E-13		1.96E-13	4.30E-13	6.91E-15
Selenium	Water	groundw	kg			3.92E-12	1.56E-12	6.57E-13		5.39E-13	1.18E-12	1.90E-14
Silicon	Water	groundw	kg			2.75E-09	1.10E-09	4.62E-10		3.76E-10	8.26E-10	1.33E-11
Silver, ion	Water	groundw	kg			8.95E-15	3.71E-15	1.56E-15		1.19E-15	2.60E-15	4.19E-17
Sodium, ion	Water	groundw	kg			6.35E-09	2.53E-09	1.06E-09		8.66E-10	1.90E-09	3.05E-11
Solids, inorganic	Water	groundw	kg			7.57E-08	3.01E-08	1.27E-08		1.04E-08	2.26E-08	3.64E-10
Solved solids	Water	groundw	kg			2.52E-09	8.61E-10	4.34E-10		4.00E-10	5.76E-10	1.03E-11
Strontium	Water	groundw	kg			5.98E-11	2.06E-11	1.04E-11		9.47E-12	1.37E-11	2.45E-13
Sulfate	Water	groundw	kg			1.44E-07	5.69E-08	2.42E-08		1.99E-08	4.26E-08	6.89E-10
Thallium	Water	groundw	kg			3.07E-16	1.22E-16	5.15E-17		4.19E-17	9.17E-17	1.48E-18
Thorium-228	Water	groundw	Bq			2.49E-10	1.91E-11	4.60E-10		3.21E-12	8.09E-12	1.31E-13
Tin, ion	Water	groundw	kg			5.95E-15	2.12E-15	1.03E-15		9.24E-16	1.45E-15	2.54E-17
Titanium, ion	Water	groundw	kg			9.88E-12	4.06E-12	1.72E-12		1.32E-12	2.88E-12	4.63E-14
Tungsten	Water	groundw	kg			3.99E-12	1.59E-12	6.72E-13		5.46E-13	1.20E-12	1.93E-14
Uranium-238	Water	groundw	Bq			1.04E-08	7.97E-10	1.92E-08		1.34E-10	3.38E-10	5.46E-12
Vanadium, ion	Water	groundw	kg			5.22E-12	2.14E-12	9.01E-13		6.97E-13	1.53E-12	2.45E-14
Zinc, ion	Water	groundw	kg			2.65E-12	1.02E-12	4.64E-13		3.84E-13	7.01E-13	1.18E-14
Aluminum	Water	groundw	kg			8.61E-08	2.69E-08	1.72E-08		8.50E-09	1.81E-08	2.92E-10
Ammonium, ion	Water	groundw	kg			7.85E-11	6.92E-12	9.34E-12		1.26E-12	3.49E-12	5.61E-14
Antimony	Water	groundw	kg			3.35E-10	2.36E-11	5.66E-11		3.60E-12	6.67E-12	1.11E-13
Arsenic, ion	Water	groundw	kg			3.37E-12	3.33E-13	5.91E-13		6.62E-14	1.16E-13	1.97E-15
Barium	Water	groundw	kg			1.10E-09	4.18E-10	1.93E-10		1.41E-10	3.09E-10	4.98E-12
Beryllium	Water	groundw	kg			8.05E-12	3.08E-12	1.36E-12		1.05E-12	2.30E-12	3.70E-14
BOD5, Biological Oxygen De	Water	groundw	kg			4.52E-08	5.62E-09	9.05E-09		5.81E-09	9.17E-09	1.60E-10
Boron	Water	groundw	kg			1.42E-09	5.58E-10	2.37E-10		1.95E-10	4.24E-10	6.83E-12
Bromine	Water	groundw	kg			1.26E-10	1.02E-11	2.14E-11		1.00E-12	1.74E-12	2.99E-14
Cadmium, ion	Water	groundw	kg			6.37E-12	1.78E-12	1.08E-12		4.66E-13	1.03E-12	1.67E-14
Calcium, ion	Water	groundw	kg			4.08E-07	1.06E-07	3.99E-07		3.37E-08	7.07E-08	1.14E-09
Chloride	Water	groundw	kg			9.60E-09	1.80E-09	1.54E-04		4.04E-10	1.09E-09	1.79E-11
Chromium VI	Water	groundw	kg			2.35E-09	4.69E-10	6.89E-10		5.16E-11	9.29E-11	1.59E-12
Cobalt	Water	groundw	kg			2.04E-09	1.58E-10	3.18E-10		2.48E-11	4.90E-11	8.04E-13
COD, Chemical Oxygen Dem	Water	groundw	kg			1.36E-07	1.61E-08	2.60E-08		6.93E-09	1.20E-08	2.05E-10
Copper, ion	Water	groundw	kg			7.45E-09	5.20E-10	1.37E-09		6.12E-11	1.01E-10	1.74E-12
DOC, Dissolved Organic Carl	Water	groundw	kg			5.88E-08	6.84E-09	1.09E-08		3.05E-09	5.29E-09	9.08E-11
Fluoride	Water	groundw	kg			9.00E-09	7.60E-10	2.26E-09		7.43E-11	1.36E-10	2.30E-12
Heat, waste	Water	groundw	MJ			1.47E-06	1.38E-07	1.64E-07		2.57E-08	7.29E-08	1.18E-09
Hydrogen sulfide	Water	groundw	kg			2.56E-10	2.64E-11	3.97E-11		6.62E-12	1.29E-11	2.17E-13
Iodide	Water	groundw	kg			2.82E-16	1.20E-17	2.89E-17		3.21E-18	7.69E-18	1.21E-19
Iron, ion	Water	groundw	kg			5.98E-08	1.75E-08	1.06E-08		5.23E-09	1.14E-08	1.83E-10
Lead	Water	groundw	kg			1.29E-10	2.72E-11	3.43E-11		7.54E-12	1.60E-11	2.61E-13
Magnesium	Water	groundw	kg			3.55E-08	1.35E-08	2.35E-06		4.39E-09	9.63E-09	1.55E-10
Manganese	Water	groundw	kg			9.00E-10	3.34E-10	1.72E-10		6.54E-11	1.42E-10	2.29E-12
Mercury	Water	groundw	kg			2.03E-12	4.61E-13	3.85E-13		7.23E-14	1.51E-13	2.50E-15
Molybdenum	Water	groundw	kg			1.50E-12	1.13E-13	3.55E-13		1.78E-14	3.43E-14	5.72E-16
Nickel, ion	Water	groundw	kg			8.54E-09	7.54E-10	1.51E-09		1.09E-10	1.96E-10	3.30E-12
Nitrate	Water	groundw	kg			1.73E-10	5.92E-11	6.66E-11		2.19E-10	3.25E-10	5.72E-12
Nitrite	Water	groundw	kg			4.27E-12	3.76E-13	5.08E-13		6.85E-14	1.89E-13	3.05E-15
Nitrogen, organic bound	Water	groundw	kg			1.28E-10	1.13E-11	1.53E-11		2.05E-12	5.69E-12	9.16E-14
Phosphate	Water	groundw	kg			6.99E-09	1.71E-09	1.60E-09		1.37E-09	2.19E-09	3.80E-11
Potassium, ion	Water	groundw	kg			6.85E-09	2.46E-09	1.97E-06		6.77E-10	1.51E-09	2.43E-11
Scandium	Water	groundw	kg			1.10E-11	3.78E-12	1.88E-12		1.26E-12	2.75E-12	4.42E-14
Selenium	Water	groundw	kg			8.22E-12	2.98E-12	1.45E-12		9.58E-13	2.09E-12	3.36E-14

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				Irrigation (agriculture intensive)	Irrigation (agriculture biologique)	Engrais N	Engrais P2O5	Engrais K2CO3	Lixiviation NPK	Insecticides	Herbicides	Fongicides
Silicon	Water	groundw	kg			4.04E-06	5.87E-07	1.05E-06		1.54E-07	2.72E-07	4.59E-09
Silver, ion	Water	groundw	kg			9.88E-13	6.54E-14	1.91E-13		6.16E-15	1.04E-14	1.77E-16
Sodium, ion	Water	groundw	kg			2.38E-08	5.79E-09	7.86E-05		1.25E-09	2.51E-09	4.17E-11
Strontium	Water	groundw	kg			8.70E-10	3.28E-10	1.45E-10		1.11E-10	2.43E-10	3.91E-12
Sulfate	Water	groundw	kg			2.45E-07	8.29E-08	5.75E-05		3.09E-08	6.44E-08	1.04E-09
Thallium	Water	groundw	kg			1.18E-12	3.17E-13	2.36E-13		1.02E-13	2.11E-13	3.44E-15
Tin, ion	Water	groundw	kg			4.62E-11	1.20E-11	1.06E-11		3.09E-12	6.72E-12	1.08E-13
Titanium, ion	Water	groundw	kg			4.29E-09	1.51E-09	1.89E-09		2.29E-10	4.96E-10	8.02E-12
TOC, Total Organic Carbon	Water	groundw	kg			5.88E-08	6.84E-09	1.09E-08		3.05E-09	5.29E-09	9.08E-11
Tungsten	Water	groundw	kg			8.58E-12	3.29E-12	1.45E-12		1.12E-12	2.46E-12	3.96E-14
Vanadium, ion	Water	groundw	kg			5.58E-10	1.55E-10	1.29E-10		2.66E-11	5.66E-11	9.22E-13
Zinc, ion	Water	groundw	kg			1.08E-09	1.55E-09	2.49E-10		5.50E-11	1.03E-10	1.73E-12
Calcium, ion	Water	lake	kg			9.85E-09	1.49E-09	5.08E-10		3.63E-11	6.90E-11	1.15E-12
DOC, Dissolved Organic Carl	Water	lake	kg			5.79E-13	1.68E-13	7.81E-14		1.56E-14	4.74E-14	7.22E-16
Acenaphthene	Water	ocean	kg			1.21E-14	2.75E-15	4.75E-16		5.35E-16	1.79E-15	2.97E-17
Acenaphthylene	Water	ocean	kg			7.57E-16	1.72E-16	2.98E-17		3.35E-17	1.12E-16	1.86E-18
Actinides, radioactive, unspe	Water	ocean	Bq			3.32E-06	1.36E-06	5.75E-07		4.46E-07	9.74E-07	1.57E-08
Aluminum	Water	ocean	kg			9.78E-10	1.12E-10	9.28E-11		2.41E-11	8.26E-11	1.25E-12
Ammonium, ion	Water	ocean	kg			1.45E-10	4.97E-11	9.52E-12		9.47E-12	3.32E-11	4.86E-13
AOX, Adsorbable Organic Ha	Water	ocean	kg			7.36E-13	1.67E-13	3.41E-14		3.27E-14	1.10E-13	1.80E-15
Arsenic, ion	Water	ocean	kg			2.49E-12	3.55E-13	1.09E-12		7.31E-14	2.42E-13	3.85E-15
Barite	Water	ocean	kg			5.15E-08	6.14E-09	4.53E-09		1.41E-09	4.87E-09	7.33E-11
Barium	Water	ocean	kg			1.70E-09	3.86E-10	6.66E-11		7.50E-11	2.51E-10	4.18E-12
Benzene	Water	ocean	kg			1.61E-10	3.65E-11	6.37E-12		7.12E-12	2.38E-11	3.95E-13
Benzene, ethyl-	Water	ocean	kg			4.68E-11	1.06E-11	1.84E-12		2.07E-12	6.90E-12	1.14E-13
BOD5, Biological Oxygen De	Water	ocean	kg			2.14E-07	4.77E-08	1.19E-08		8.62E-09	2.86E-08	4.79E-10
Boron	Water	ocean	kg			1.59E-11	3.63E-12	6.39E-13		7.04E-13	2.35E-12	3.92E-14
Bromine	Water	ocean	kg			1.36E-09	3.09E-10	5.35E-11		6.04E-11	2.02E-10	3.35E-12
Cadmium, ion	Water	ocean	kg			7.78E-13	1.32E-13	3.91E-13		2.57E-14	8.38E-14	1.40E-15
Calcium, ion	Water	ocean	kg			6.95E-08	1.44E-08	1.93E-08		2.79E-09	9.23E-09	1.54E-10
Carboxylic acids, unspecified	Water	ocean	kg			1.13E-08	2.50E-09	4.74E-10		4.89E-10	1.64E-09	2.72E-11
Cesium	Water	ocean	kg			1.95E-12	4.42E-13	7.64E-14		8.62E-14	2.88E-13	4.79E-15
Cesium-137	Water	ocean	Bq			3.81E-04	1.56E-04	6.58E-05		5.12E-05	1.12E-04	1.80E-06
Chloride	Water	ocean	kg			9.78E-07	2.22E-07	3.84E-08		4.31E-08	1.44E-07	2.40E-09
Chlorinated solvents, unspec	Water	ocean	kg			2.47E-20	3.30E-21	4.25E-21		8.35E-22	1.66E-21	2.72E-23
Chromium, ion	Water	ocean	kg			1.03E-11	2.18E-12	5.20E-13		4.27E-13	1.41E-12	2.38E-14
Cobalt	Water	ocean	kg			1.15E-14	4.70E-15	1.98E-15		1.54E-15	3.36E-15	5.41E-17
COD, Chemical Oxygen Dem	Water	ocean	kg			2.16E-07	4.84E-08	1.21E-08		8.74E-09	2.90E-08	4.85E-10
Copper, ion	Water	ocean	kg			3.72E-12	5.08E-13	4.07E-13		1.11E-13	3.79E-13	5.89E-15
Cyanide	Water	ocean	kg			6.90E-12	1.57E-12	2.76E-13		3.04E-13	1.02E-12	1.70E-14
DOC, Dissolved Organic Carl	Water	ocean	kg			7.08E-08	1.58E-08	3.74E-09		2.89E-09	9.57E-09	1.61E-10
Fluoride	Water	ocean	kg			2.91E-10	5.23E-11	1.82E-10		9.97E-12	3.23E-11	5.35E-13
Glutaraldehyde	Water	ocean	kg			6.37E-12	7.58E-13	5.60E-13		1.74E-13	5.98E-13	9.05E-15
Hydrocarbons, aliphatic, alka	Water	ocean	kg			2.54E-10	5.75E-11	9.89E-12		1.12E-11	3.74E-11	6.23E-13
Hydrocarbons, aliphatic, unsa	Water	ocean	kg			2.33E-11	5.31E-12	9.17E-13		1.04E-12	3.45E-12	5.74E-14
Hydrocarbons, aromatic	Water	ocean	kg			1.11E-09	2.45E-10	4.74E-11		4.81E-11	1.61E-10	2.66E-12
Hydrocarbons, unspecified	Water	ocean	kg			9.67E-10	1.16E-10	8.42E-11		2.67E-11	9.23E-11	1.40E-12
Hydrogen-3, Tritium	Water	ocean	Bq			7.92E-01	3.24E-01	1.37E-01		1.06E-01	2.32E-01	3.74E-03
Hypochlorite	Water	ocean	kg			3.14E-11	1.24E-11	5.22E-12		4.31E-12	9.40E-12	1.52E-13
Iodide	Water	ocean	kg			1.95E-10	4.42E-11	7.64E-12		8.62E-12	2.88E-11	4.79E-13
Iron, ion	Water	ocean	kg			1.05E-10	2.38E-11	4.49E-12		4.62E-12	1.54E-11	2.56E-13
Lead	Water	ocean	kg			1.78E-11	3.46E-12	9.35E-13		6.89E-13	2.31E-12	3.83E-14
Lead-210	Water	ocean	Bq			2.38E-05	1.86E-06	4.41E-05		3.08E-07	7.75E-07	1.26E-08
Magnesium	Water	ocean	kg			1.07E-08	2.44E-09	4.22E-10		4.73E-10	1.58E-09	2.64E-11
Manganese	Water	ocean	kg			8.61E-11	1.95E-11	4.00E-12		3.80E-12	1.27E-11	2.11E-13
Mercury	Water	ocean	kg			9.35E-14	1.16E-14	8.01E-15		2.63E-15	9.06E-15	1.38E-16
Methanol	Water	ocean	kg			1.39E-10	6.66E-12	1.69E-11		2.32E-12	8.32E-12	1.03E-13
Molybdenum	Water	ocean	kg			3.99E-13	9.09E-14	1.60E-14		1.76E-14	5.87E-14	9.78E-16
Nickel, ion	Water	ocean	kg			1.27E-12	2.21E-13	6.94E-13		4.35E-14	1.39E-13	2.31E-15
Nitrate	Water	ocean	kg			5.75E-10	1.76E-10	5.61E-11		4.77E-11	1.21E-10	1.98E-12
Nitrite	Water	ocean	kg			5.17E-12	2.11E-12	8.91E-13		6.93E-13	1.51E-12	2.43E-14
Nitrogen	Water	ocean	kg			1.21E-11	2.10E-12	7.62E-13		4.31E-13	1.46E-12	2.35E-14
Nitrogen, organic bound	Water	ocean	kg			6.69E-10	9.09E-11	1.25E-11		3.08E-11	1.04E-10	1.74E-12
Oils, unspecified	Water	ocean	kg			6.65E-08	1.46E-08	3.70E-09		2.67E-09	8.83E-09	1.49E-10
PAH, polycyclic aromatic hyd	Water	ocean	kg			1.55E-11	3.51E-12	6.15E-13		6.81E-13	2.29E-12	3.80E-14
Phenol	Water	ocean	kg			2.49E-10	5.57E-11	9.71E-12		1.09E-11	3.62E-11	6.05E-13
Phosphate	Water	ocean	kg			4.02E-10	3.12E-11	7.43E-10		5.20E-12	1.31E-11	2.11E-13
Phosphorus	Water	ocean	kg			1.55E-11	3.55E-12	6.35E-13		6.93E-13	2.30E-12	3.83E-14
Polonium-210	Water	ocean	Bq			3.62E-05	2.83E-06	6.73E-05		4.69E-07	1.18E-06	1.91E-08
Potassium-40	Water	ocean	Bq			2.88E-06	2.24E-07	5.32E-06		3.73E-08	9.35E-08	1.52E-09
Potassium, ion	Water	ocean	kg			8.24E-09	1.87E-09	3.26E-10		3.63E-10	1.21E-09	2.02E-11
Radioactive species, Nuclide	Water	ocean	Bq			1.99E-03	8.13E-04	3.43E-04		2.67E-04	5.81E-04	9.38E-06
Radium-224	Water	ocean	Bq			9.74E-05	2.21E-05	3.83E-06		4.31E-06	1.44E-05	2.39E-07
Radium-226	Water	ocean	Bq			1.83E-04	3.75E-05	5.58E-05		7.23E-06	2.39E-05	3.97E-07
Radium-228	Water	ocean	Bq			1.95E-04	4.42E-05	7.64E-06		8.62E-06	2.88E-05	4.79E-07
Rubidium	Water	ocean	kg			1.95E-11	4.42E-12	7.64E-13		8.62E-13	2.88E-12	4.79E-14
Selenium	Water	ocean	kg			5.98E-13	1.36E-13	2.39E-14		2.64E-14	8.83E-14	1.47E-15
Silicon	Water	ocean	kg			1.53E-12	1.76E-13	1.44E-13		3.78E-14	1.30E-13	1.96E-15
Silver, ion	Water	ocean	kg			1.17E-12	2.65E-13	4.59E-14		5.16E-14	1.73E-13	2.87E-15
Sodium, ion	Water	ocean	kg			5.95E-07	1.35E-07	2.34E-08		2.64E-08	8.83E-08	1.47E-09
Strontium	Water	ocean	kg			1.17E-08	2.66E-09	4.60E-10		5.20E-10	1.73E-09	2.88E-11
Strontium-90	Water	ocean	Bq			4.25E-05	1.74E-05	7.32E-06		5.70E-06	1.24E-05	2.00E-07
Sulfate	Water	ocean	kg			2.93E-08	3.74E-09	3.78E-08		6.47E-10	1.91E-09	3.17E-11
Sulfide	Water	ocean	kg			4.13E-12	1.07E-12	2.33E-13		2.30E-13	7.07E-13	1.15E-14
Sulfite	Water	ocean	kg			8.12E-21	2.77E-21	2.05E-21		5.46E-22	8.55E-22	1.53E-23
Sulfur	Water	ocean	kg			3.83E-11	6.84E-12	2.32E-12		1.39E-12	4.73E-12	7.61E-14
Suspended solids, unspecifie	Water	ocean	kg			1.83E-07	2.21E-08	1.60E-08		5.04E-09	1.74E-08	2.63E-10
t-Butyl methyl ether	Water	ocean	kg			1.26E-11	2.88E-12	5.06E-13		5.58E-13	1.86E-12	3.10E-14
Thorium-228	Water	ocean	Bq			3.90E-04	8.85E-05	1.58E-05		1.72E-05	5.76E-05	9.57E-07
Titanium, ion	Water	ocean	kg			2.42E-13	2.72E-14	2.32E-14		5.85E-15	2.02E-14	3.03E-16
TOC, Total Organic Carbon	Water	ocean	kg			7.08E-08	1.58E-08	3.74E-09		2.89E-09	9.57E-09	1.61E-10
Toluene	Water	ocean	kg			2.77E-10	6.58E-11	1.16E-11		1.28E-11	4.30E-11	7.04E-13
Tributyltin compounds	Water	ocean	kg			6.55E-12	1.84E-11	4.89E-13		3.40E-13	9.40E-13	1.60E-14
Triethylene glycol	Water	ocean	kg			1.15E-10	5.49E-12	1.40E-11		1.91E-12	6.90E-12	8.57E-14
Uranium-238	Water	ocean	Bq			1.22E-05	9.48E-07	2.26E-05		1.58E-07	3.97E-07	6.42E-09

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				Irrigation (agriculture intensive)	Irrigation (agriculture biologique)	Engrais N	Engrais P2O5	Engrais K2CO3	Lixiviation NPK	Insecticides	Herbicides	Fongicides
Vanadium, ion	Water	ocean	kg			1.19E-12	2.71E-13	4.78E-14		5.27E-14	1.76E-13	2.92E-15
VOC, volatile organic compou	Water	ocean	kg			6.81E-10	1.55E-10	2.68E-11		3.01E-11	1.01E-10	1.68E-12
Xylene	Water	ocean	kg			2.31E-10	5.23E-11	9.09E-12		1.02E-11	3.40E-11	5.65E-13
Zinc, ion	Water	ocean	kg			2.61E-09	3.27E-10	2.23E-10		7.35E-11	2.54E-10	3.86E-12
Acenaphthene	Water	river	kg			2.42E-14	5.84E-15	1.45E-15		1.07E-15	3.56E-15	5.92E-17
Acenaphthylene	Water	river	kg			1.52E-15	3.65E-16	9.09E-17		6.70E-17	2.22E-16	3.70E-18
Acetic acid	Water	river	kg			6.46E-12	1.98E-12	1.04E-12		3.21E-13	7.75E-13	1.24E-14
Acidity, unspecified	Water	river	kg			2.38E-11	1.11E-11	8.86E-12		3.96E-13	9.52E-13	1.53E-14
Aluminum	Water	river	kg			5.35E-10	1.89E-10	8.72E-11		5.73E-11	1.29E-10	2.07E-12
Ammonium, ion	Water	river	kg			1.70E-07	8.85E-10	1.11E-10		4.16E-11	9.40E-11	1.50E-12
Antimony	Water	river	kg			1.76E-10	1.04E-11	2.97E-11		1.12E-12	1.80E-12	3.11E-14
Antimony-122	Water	river	Bq			1.40E-09	7.92E-10	3.43E-10		1.29E-10	2.76E-10	4.47E-12
Antimony-124	Water	river	Bq			5.40E-07	2.29E-07	9.71E-08		7.00E-08	1.53E-07	2.46E-09
Antimony-125	Water	river	Bq			4.64E-07	1.98E-07	8.41E-08		6.00E-08	1.31E-07	2.11E-09
AOX, Adsorbable Organic Ha	Water	river	kg			5.26E-12	1.37E-12	4.23E-13		2.58E-13	7.52E-13	1.25E-14
Arsenic, ion	Water	river	kg			1.59E-10	4.62E-10	4.73E-11		4.58E-12	9.06E-12	1.51E-13
Barium	Water	river	kg			3.39E-09	8.21E-10	2.04E-10		1.50E-10	5.00E-10	8.31E-12
Barium-140	Water	river	Bq			6.12E-09	3.47E-09	1.50E-09		5.62E-10	1.21E-09	1.96E-11
Benzene	Water	river	kg			3.16E-10	7.30E-11	2.66E-11		1.17E-11	3.81E-11	6.31E-13
Benzene, ethyl-	Water	river	kg			9.35E-11	2.26E-11	5.61E-12		4.12E-12	1.37E-11	2.28E-13
Beryllium	Water	river	kg			1.65E-14	6.64E-15	2.88E-15		2.13E-15	4.65E-15	7.49E-17
BOD5, Biological Oxygen De	Water	river	kg			1.07E-06	2.96E-07	4.65E-08		4.73E-08	1.57E-07	2.61E-09
Boron	Water	river	kg			5.10E-11	1.56E-11	6.46E-12		5.39E-12	1.23E-11	2.01E-13
Bromate	Water	river	kg			2.56E-11	3.60E-11	2.61E-11		2.11E-11	3.20E-11	5.60E-13
Bromine	Water	river	kg			3.32E-09	7.04E-10	2.64E-10		1.25E-10	4.08E-10	6.79E-12
Butene	Water	river	kg			2.31E-12	2.34E-15	1.96E-15		6.97E-16	1.49E-15	2.41E-17
Cadmium, ion	Water	river	kg			1.18E-10	5.81E-10	2.87E-11		4.27E-12	8.95E-12	1.47E-13
Calcium, ion	Water	river	kg			1.53E-07	4.10E-08	2.15E-07		6.93E-09	2.07E-08	3.43E-10
Carbonate	Water	river	kg			4.98E-10	5.81E-11	8.56E-11		1.35E-11	2.85E-11	4.62E-13
Carboxylic acids, unspecified	Water	river	kg			1.43E-08	3.46E-09	8.60E-10		6.35E-10	2.10E-09	3.50E-11
Cerium-141	Water	river	Bq			2.45E-09	1.39E-09	6.01E-10		2.25E-10	4.84E-10	7.82E-12
Cerium-144	Water	river	Bq			7.45E-10	4.22E-10	1.83E-10		6.85E-11	1.48E-10	2.38E-12
Cesium	Water	river	kg			3.90E-12	9.40E-13	2.34E-13		1.72E-13	5.70E-13	9.51E-15
Cesium-134	Water	river	Bq			4.13E-07	1.68E-07	7.11E-08		5.50E-08	1.20E-07	1.94E-09
Cesium-136	Water	river	Bq			4.34E-10	2.46E-10	1.06E-10		4.00E-11	8.61E-11	1.39E-12
Cesium-137	Water	river	Bq			1.57E-06	7.52E-07	3.22E-07		1.81E-07	3.93E-07	6.34E-09
Chlorate	Water	river	kg			2.52E-10	2.80E-10	2.66E-10		1.62E-10	2.48E-10	4.34E-12
Chloride	Water	river	kg			2.06E-06	6.14E-07	7.38E-05		1.75E-07	4.22E-07	7.13E-09
Chlorinated solvents, unspec	Water	river	kg			4.75E-12	3.85E-13	8.38E-13		2.09E-13	4.09E-13	6.72E-15
Chlorine	Water	river	kg			2.30E-12	5.54E-13	4.96E-13		1.22E-13	2.07E-13	3.60E-15
Chloroform	Water	river	kg			2.65E-20	1.08E-20	4.95E-21		3.27E-21	7.01E-21	1.13E-22
Chromium-51	Water	river	Bq			6.51E-07	3.35E-07	1.44E-07		6.85E-08	1.48E-07	2.39E-09
Chromium VI	Water	river	kg			8.61E-10	1.55E-10	2.38E-10		1.69E-11	3.00E-11	5.12E-13
Chromium, ion	Water	river	kg			1.29E-11	1.75E-09	1.57E-12		5.58E-13	1.52E-12	2.50E-14
Cobalt	Water	river	kg			5.75E-12	7.01E-13	3.12E-12		5.70E-11	8.43E-11	1.49E-12
Cobalt-57	Water	river	Bq			1.38E-08	7.82E-09	3.38E-09		1.27E-09	2.73E-09	4.41E-11
Cobalt-58	Water	river	Bq			4.52E-06	2.13E-06	9.11E-07		5.31E-07	1.16E-06	1.86E-08
Cobalt-60	Water	river	Bq			3.60E-06	1.73E-06	7.40E-07		4.16E-07	9.00E-07	1.46E-08
COD, Chemical Oxygen Dem	Water	river	kg			1.09E-06	3.16E-07	4.98E-08		4.81E-08	1.59E-07	2.64E-09
Copper, ion	Water	river	kg			3.12E-10	2.20E-09	6.99E-11		1.77E-11	3.15E-11	5.32E-13
Cumene	Water	river	kg			1.03E-10	1.87E-11	1.67E-11		1.53E-12	3.94E-12	6.29E-14
Cyanide	Water	river	kg			1.43E-10	1.79E-11	2.07E-11		2.64E-12	5.76E-12	9.33E-14
Dichromate	Water	river	kg			6.09E-13	2.80E-13	1.04E-13		5.39E-13	1.19E-12	1.90E-14
DOC, Dissolved Organic Carl	Water	river	kg			3.23E-07	9.25E-08	1.55E-08		1.42E-08	4.70E-08	7.80E-10
Ethane, 1,2-dichloro-	Water	river	kg			6.07E-13	6.63E-10	7.42E-13		2.37E-14	5.32E-14	8.57E-16
Ethene	Water	river	kg			2.00E-11	5.78E-12	2.96E-12		4.58E-13	1.37E-12	2.14E-14
Ethene, chloro-	Water	river	kg			2.61E-13	1.79E-14	4.40E-14		1.21E-14	2.56E-14	4.13E-16
Ethylene diamine	Water	river	kg			7.48E-16	3.29E-16	1.36E-16		9.39E-18	1.57E-17	2.70E-19
Ethylene oxide	Water	river	kg			7.36E-15	5.89E-16	1.24E-15		6.93E-17	1.24E-16	2.11E-18
Fluoride	Water	river	kg			8.05E-10	1.46E-09	2.80E-10		2.86E-09	4.25E-09	7.49E-11
Fluosilicic acid	Water	river	kg			5.26E-12	1.77E-12	1.15E-12		8.39E-14	1.58E-13	2.64E-15
Formaldehyde	Water	river	kg			7.02E-13	1.41E-13	1.41E-13		1.09E-14	1.79E-14	3.09E-16
Heat, waste	Water	river	MJ			7.78E-05	2.37E-05	8.17E-06		7.20E-06	1.64E-05	2.75E-07
Hydrocarbons, aliphatic, alka	Water	river	kg			5.08E-10	1.22E-10	3.03E-11		2.24E-11	7.41E-11	1.24E-12
Hydrocarbons, aliphatic, unsa	Water	river	kg			4.68E-11	1.12E-11	2.81E-12		2.07E-12	6.84E-12	1.14E-13
Hydrocarbons, aromatic	Water	river	kg			2.05E-09	4.93E-10	1.23E-10		9.04E-11	3.00E-10	5.00E-12
Hydrocarbons, unspecified	Water	river	kg			1.85E-10	3.36E-11	3.80E-11		3.37E-12	7.52E-12	1.24E-13
Hydrogen-3, Tritium	Water	river	Bq			8.42E-02	3.46E-02	1.46E-02		1.13E-02	2.46E-02	3.96E-04
Hydrogen peroxide	Water	river	kg			5.33E-13	4.58E-14	1.45E-13		7.08E-14	1.06E-13	1.87E-15
Hydrogen sulfide	Water	river	kg			1.92E-12	5.55E-13	3.49E-13		1.00E-13	2.21E-13	3.57E-15
Hydroxide	Water	river	kg			1.57E-12	6.55E-13	2.77E-13		2.07E-13	4.52E-13	7.28E-15
Hypochlorite	Water	river	kg			2.79E-11	1.11E-11	4.66E-12		3.83E-12	8.38E-12	1.35E-13
Iodide	Water	river	kg			3.90E-10	9.40E-11	2.36E-11		1.73E-11	5.76E-11	9.54E-13
Iodine-131	Water	river	Bq			9.90E-08	4.30E-08	1.83E-08		1.26E-08	2.75E-08	4.42E-10
Iodine-133	Water	river	Bq			3.85E-09	2.18E-09	9.42E-10		3.53E-10	7.58E-10	1.23E-11
Iron-59	Water	river	Bq			1.06E-09	5.99E-10	2.59E-10		9.70E-11	2.09E-10	3.37E-12
Iron, ion	Water	river	kg			7.87E-10	2.18E-10	8.92E-11		5.35E-11	1.41E-10	2.25E-12
Lanthanum-140	Water	river	Bq			6.53E-09	3.70E-09	1.60E-09		6.00E-10	1.29E-09	2.09E-11
Lead	Water	river	kg			8.33E-10	3.12E-09	2.02E-10		3.22E-11	6.78E-11	1.10E-12
Lead-210	Water	river	Bq			3.72E-06	1.47E-06	6.27E-07		5.00E-07	1.09E-06	1.76E-08
Magnesium	Water	river	kg			2.13E-08	5.28E-09	1.15E-06		1.02E-09	3.25E-09	5.39E-11
Manganese	Water	river	kg			2.16E-10	6.24E-11	1.88E-11		1.39E-11	3.90E-11	6.37E-13
Manganese-54	Water	river	Bq			2.75E-07	1.29E-07	5.52E-08		3.22E-08	7.01E-08	1.12E-09
Mercury	Water	river	kg			2.15E-12	3.38E-10	5.53E-13		9.70E-14	1.92E-13	3.17E-15
Methane, dichloro-, HCC-30	Water	river	kg			9.14E-11	1.69E-11	5.96E-12		3.39E-12	1.15E-11	1.85E-13
Methanol	Water	river	kg			1.47E-14	6.22E-15	2.73E-15		1.87E-15	4.07E-15	6.56E-17
Molybdenum	Water	river	kg			1.95E-11	7.44E-12	3.46E-12		2.37E-12	5.19E-12	8.36E-14
Molybdenum-99	Water	river	Bq			2.25E-09	1.28E-09	5.52E-10		2.06E-10	4.45E-10	7.19E-12
Nickel, ion	Water	river	kg			1.41E-10	1.36E-09	2.41E-11		2.14E-11	3.25E-11	5.66E-13
Niobium-95	Water	river	Bq			3.32E-08	1.44E-08	6.19E-09		4.16E-09	9.00E-09	1.46E-10
Nitrate	Water	river	kg			1.41E-09	2.18E-09	2.66E-10		2.19E-10	4.19E-10	7.00E-12
Nitrite	Water	river	kg			7.08E-12	3.51E-12	1.76E-12		9.47E-13	1.85E-12	3.05E-14
Nitrogen	Water	river	kg			9.88E-08	1.43E-09	1.75E-10		1.07E-10	2.47E-10	4.00E-12
Nitrogen, organic bound	Water	river	kg			1.48E-09	1.87E-10	1.49E-10		3.16E-11	8.83E-11	1.46E-12
Oils, unspecified	Water	river	kg			3.35E-07	7.60E-08	1.33E-08		1.48E-08	4.94E-08	8.20E-10

Production du coton

				Irrigation (agriculture intensive)	Irrigation (agriculture biologique)	Engrais N	Engrais P2O5	Engrais K2CO3	Lixiviation NPK	Insecticides	Herbicides	Fongicides
PAH, polycyclic aromatic hyd	Water	river	kg			5.61E-11	6.76E-12	7.44E-12		1.06E-12	3.12E-12	5.21E-14
Paraffins	Water	river	kg			2.93E-15	1.97E-16	4.89E-16		1.72E-17	2.67E-17	4.72E-19
Phenol	Water	river	kg			3.25E-10	7.79E-11	2.07E-11		1.41E-11	4.66E-11	7.76E-13
Phosphate	Water	river	kg			5.12E-11	7.80E-08	1.58E-11		8.62E-11	1.30E-10	2.28E-12
Phosphorus	Water	river	kg			2.98E-11	2.71E-09	9.02E-12		1.42E-12	3.57E-12	5.89E-14
Polonium-210	Water	river	Bq			3.72E-06	1.47E-06	6.27E-07		5.00E-07	1.09E-06	1.76E-08
Potassium-40	Water	river	Bq			4.66E-06	1.85E-06	7.87E-07		6.27E-07	1.37E-06	2.20E-08
Potassium, ion	Water	river	kg			1.89E-08	4.54E-09	9.25E-07		8.70E-10	2.77E-09	4.58E-11
Propene	Water	river	kg			4.59E-11	1.61E-11	8.31E-12		7.50E-13	2.07E-12	3.12E-14
Propylene oxide	Water	river	kg			5.33E-12	1.20E-11	1.16E-12		2.30E-13	7.81E-13	9.93E-15
Protactinium-234	Water	river	Bq			5.19E-06	2.14E-06	9.05E-07		6.89E-07	1.50E-06	2.42E-08
Radioactive species, alpha e	Water	river	Bq			7.15E-08	1.31E-04	1.32E-07		9.47E-10	2.37E-09	3.83E-11
Radioactive species, Nuclide	Water	river	Bq			7.55E-06	2.96E-06	1.30E-06		8.58E-07	1.87E-06	3.01E-08
Radium-224	Water	river	Bq			1.95E-04	4.69E-05	1.17E-05		8.62E-06	2.86E-05	4.76E-07
Radium-226	Water	river	Bq			3.53E-03	1.41E-03	5.81E-04		4.43E-04	9.80E-04	1.59E-05
Radium-228	Water	river	Bq			3.90E-04	9.40E-05	2.34E-05		1.72E-05	5.70E-05	9.51E-07
Rubidium	Water	river	kg			3.90E-11	9.40E-12	2.34E-12		1.72E-12	5.70E-12	9.51E-14
Ruthenium-103	Water	river	Bq			4.75E-10	2.69E-10	1.17E-10		4.35E-11	9.40E-11	1.52E-12
Scandium	Water	river	kg			1.20E-12	3.81E-13	2.06E-13		1.25E-13	2.71E-13	4.36E-15
Selenium	Water	river	kg			3.55E-12	1.25E-12	6.19E-13		3.59E-13	7.98E-13	1.29E-14
Silicon	Water	river	kg			8.95E-09	2.41E-09	3.33E-09		2.50E-10	4.03E-10	6.99E-12
Silver-110	Water	river	Bq			3.46E-06	1.67E-06	7.13E-07		3.96E-07	8.66E-07	1.40E-08
Silver, ion	Water	river	kg			4.34E-12	9.17E-13	3.78E-13		1.60E-13	5.23E-13	8.70E-15
Sodium-24	Water	river	Bq			1.70E-08	9.64E-09	4.17E-09		1.56E-09	3.36E-09	5.44E-11
Sodium formate	Water	river	kg			3.32E-14	6.20E-15	6.45E-15		8.74E-16	1.41E-15	2.45E-17
Sodium, ion	Water	river	kg			1.21E-06	3.56E-07	5.41E-05		5.35E-08	1.76E-07	2.93E-09
Solids, inorganic	Water	river	kg			5.42E-09	7.83E-09	6.74E-09		6.50E-10	1.06E-09	1.84E-11
Solved solids	Water	river	kg			2.18E-07	1.47E-08	3.71E-08		1.44E-09	2.35E-09	4.09E-11
Strontium	Water	river	kg			2.35E-08	5.64E-09	1.40E-09		1.04E-09	3.44E-09	5.71E-11
Strontium-89	Water	river	Bq			5.79E-08	2.94E-08	1.26E-08		6.20E-09	1.34E-08	2.17E-10
Strontium-90	Water	river	Bq			3.25E-03	1.30E-03	5.47E-04		4.43E-04	9.69E-04	1.56E-05
Sulfate	Water	river	kg			1.73E-07	1.25E-07	6.89E-06		7.97E-08	1.24E-07	2.15E-09
Sulfide	Water	river	kg			8.52E-12	3.04E-12	1.72E-12		7.31E-13	1.71E-12	2.77E-14
Sulfite	Water	river	kg			1.54E-10	6.12E-11	2.57E-11		2.12E-11	4.63E-11	7.45E-13
Sulfur	Water	river	kg			1.08E-09	2.38E-10	1.18E-06		4.62E-11	1.55E-10	2.57E-12
Suspended solids, unspecifie	Water	river	kg			1.01E-08	9.72E-09	1.90E-09		4.19E-10	1.13E-09	1.85E-11
t-Butyl methyl ether	Water	river	kg			2.82E-15	9.56E-16	8.26E-16		3.89E-17	6.95E-17	1.24E-18
Technetium-99m	Water	river	Bq			5.22E-08	2.94E-08	1.27E-08		4.81E-09	1.03E-08	1.67E-10
Tellurium-123m	Water	river	Bq			5.52E-08	2.26E-08	9.61E-09		7.35E-09	1.60E-08	2.58E-10
Tellurium-132	Water	river	Bq			1.30E-10	7.38E-11	3.19E-11		1.20E-11	2.58E-11	4.16E-13
Thallium	Water	river	kg			3.02E-13	1.20E-13	5.05E-14		4.16E-14	9.06E-14	1.46E-15
Thorium-228	Water	river	Bq			7.80E-04	1.88E-04	4.67E-05		3.44E-05	1.15E-04	1.90E-06
Thorium-230	Water	river	Bq			7.06E-04	2.93E-04	1.23E-04		9.39E-05	2.05E-04	3.30E-06
Thorium-232	Water	river	Bq			8.70E-07	3.45E-07	1.47E-07		1.17E-07	2.55E-07	4.11E-09
Thorium-234	Water	river	Bq			5.19E-06	2.14E-06	9.05E-07		6.89E-07	1.50E-06	2.42E-08
Tin, ion	Water	river	kg			4.73E-13	1.21E-13	7.64E-14		3.84E-14	8.32E-14	1.34E-15
Titanium, ion	Water	river	kg			6.23E-12	1.94E-12	3.00E-12		3.11E-13	6.72E-13	1.08E-14
TOC, Total Organic Carbon	Water	river	kg			3.23E-07	9.72E-08	1.55E-08		1.42E-08	4.71E-08	7.82E-10
Toluene	Water	river	kg			4.43E-10	1.24E-10	2.72E-11		1.96E-11	6.50E-11	1.08E-12
Tungsten	Water	river	kg			1.28E-12	4.40E-13	2.18E-13		1.47E-13	3.20E-13	5.15E-15
Uranium-234	Water	river	Bq			6.21E-06	2.57E-06	1.08E-06		8.27E-07	1.81E-06	2.90E-08
Uranium-235	Water	river	Bq			1.03E-05	4.24E-06	1.79E-06		1.36E-06	2.98E-06	4.79E-08
Uranium-238	Water	river	Bq			1.75E-05	7.19E-06	3.04E-06		2.32E-06	5.08E-06	8.17E-08
Uranium alpha	Water	river	Bq			2.98E-04	1.24E-04	5.21E-05		3.96E-05	8.66E-05	1.40E-06
Vanadium, ion	Water	river	kg			1.14E-11	4.31E-12	2.01E-12		1.31E-12	2.90E-12	4.68E-14
VOC, volatile organic compou	Water	river	kg			1.38E-09	3.34E-10	8.41E-11		6.20E-11	2.04E-10	3.39E-12
Xylene	Water	river	kg			3.69E-10	8.85E-11	2.21E-11		1.63E-11	5.41E-11	9.00E-13
Zinc-65	Water	river	Bq			2.31E-07	1.31E-07	5.66E-08		2.12E-08	4.56E-08	7.37E-10
Zinc, ion	Water	river	kg			3.65E-10	2.15E-09	3.26E-11		3.93E-11	8.38E-11	1.42E-12
Zirconium-95	Water	river	Bq			2.68E-09	1.51E-09	6.56E-10		2.45E-10	5.28E-10	8.54E-12
Boron	Soil		kg			4.13E-12	1.90E-12	7.03E-13		3.67E-12	8.04E-12	1.29E-13
Cadmium	Soil		kg			2.14E-13	5.23E-13	4.88E-14		2.06E-15	3.42E-15	6.19E-17
Chloride	Soil		kg			2.95E-08	7.11E-08	7.42E-09		2.94E-10	4.88E-10	8.81E-12
Chromium	Soil		kg			1.92E-12	4.70E-12	4.39E-13		1.85E-14	3.08E-14	5.56E-16
Chromium VI	Soil		kg			2.33E-11	1.08E-11	3.98E-12		2.07E-11	4.54E-11	7.28E-13
Copper	Soil		kg			1.78E-11	1.45E-11	3.21E-12		1.30E-11	2.84E-11	4.55E-13
Fluoride	Soil		kg			1.58E-11	7.27E-12	2.69E-12		1.40E-11	3.07E-11	4.92E-13
Heat, waste	Soil		MJ			2.63E-06	1.19E-06	5.52E-07		4.23E-06	9.29E-06	1.49E-07
Iron	Soil		kg			3.12E-08	5.26E-09	1.19E-08		3.76E-10	5.81E-10	1.03E-11
Lead	Soil		kg			1.07E-12	2.61E-12	2.44E-13		1.03E-14	1.71E-14	3.09E-16
Nickel	Soil		kg			1.71E-12	4.17E-12	3.90E-13		1.65E-14	2.73E-14	4.94E-16
Oils, biogenic	Soil		kg			5.91E-10	1.00E-10	2.28E-10		7.20E-12	1.12E-11	1.97E-13
Oils, unspecified	Soil		kg			1.91E-09	4.48E-10	9.61E-11		7.12E-11	2.30E-10	4.08E-12
Sodium	Soil		kg			3.88E-11	8.77E-11	1.39E-11		4.31E-13	7.12E-13	1.29E-14
Zinc	Soil		kg			1.73E-10	4.22E-10	3.93E-11		1.66E-12	2.76E-12	4.98E-14
Aclonifen	Soil	agricultu	kg			3.74E-14	3.10E-14	9.09E-15		6.16E-16	1.11E-15	2.06E-17
Aluminum	Soil	agricultu	kg			3.39E-11	1.25E-11	6.73E-12		3.93E-12	8.15E-12	1.33E-13
Antimony	Soil	agricultu	kg			1.31E-16	8.29E-18	2.16E-17		9.97E-19	1.67E-18	2.87E-20
Arsenic	Soil	agricultu	kg			9.67E-15	3.25E-15	1.78E-15		1.05E-15	2.23E-15	3.61E-17
Atrazine	Soil	agricultu	kg			1.05E-15	2.16E-16	2.13E-16		2.96E-17	5.00E-17	8.58E-19
Barium	Soil	agricultu	kg			5.38E-14	1.45E-14	3.12E-15		1.05E-15	2.75E-15	6.87E-17
Bentazone	Soil	agricultu	kg			1.91E-14	1.58E-14	4.63E-15		3.14E-16	5.64E-16	1.04E-17
Boron	Soil	agricultu	kg			1.46E-14	4.02E-15	7.90E-16		2.91E-16	7.64E-16	1.91E-17
Cadmium	Soil	agricultu	kg			6.32E-13	4.74E-14	1.05E-13		5.39E-15	9.40E-15	1.59E-16
Calcium	Soil	agricultu	kg			4.02E-10	1.31E-10	7.08E-11		4.19E-11	9.06E-11	1.47E-12
Carbetamide	Soil	agricultu	kg			7.08E-15	5.65E-15	1.70E-15		1.22E-16	2.19E-16	4.04E-18
Carbon	Soil	agricultu	kg			1.74E-10	6.51E-11	4.01E-11		1.77E-11	3.40E-11	5.69E-13
Chloride	Soil	agricultu	kg			4.22E-12	1.32E-12	7.16E-13		4.31E-13	9.40E-13	1.52E-14
Chlorothalonil	Soil	agricultu	kg			3.32E-13	7.89E-14	5.88E-14		1.15E-14	1.99E-14	3.40E-16
Chromium	Soil	agricultu	kg			4.32E-11	2.89E-12	7.11E-12		2.64E-13	4.14E-13	7.19E-15
Cobalt	Soil	agricultu	kg			2.68E-14	9.40E-15	5.13E-15		3.01E-15	6.38E-15	1.03E-16
Copper	Soil	agricultu	kg			9.02E-11	5.92E-12	1.49E-11		5.31E-13	8.15E-13	1.43E-14
Cypermethrin	Soil	agricultu	kg			1.63E-16	1.24E-16	3.84E-17		2.99E-18	5.32E-18	9.73E-20
Dinoseb	Soil	agricultu	kg			9.07E-14	2.14E-14	1.60E-14		3.14E-15	5.41E-15	9.24E-17
Fenpiclonil	Soil	agricultu	kg			1.44E-14	4.18E-15	2.63E-15		4.73E-16	8.21E-16	1.41E-17

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				Irrigation (agriculture intensive)	Irrigation (agriculture biologique)	Engrais N	Engrais P2O5	Engrais K2CO3	Lixiviation NPK	Insecticides	Herbicides	Fongicides
Glyphosate	Soil	agricultu	kg			7.06E-13	1.70E-12	1.77E-13		7.04E-15	1.16E-14	2.10E-16
Iron	Soil	agricultu	kg			8.72E-11	4.50E-11	2.37E-11		1.30E-11	2.50E-11	4.17E-13
Lead	Soil	agricultu	kg			1.12E-11	7.64E-13	1.85E-12		7.47E-14	1.19E-13	2.07E-15
Linuron	Soil	agricultu	kg			2.91E-13	2.40E-13	7.04E-14		4.77E-15	8.55E-15	1.59E-16
Magnesium	Soil	agricultu	kg			4.50E-11	1.47E-11	7.98E-12		4.73E-12	1.02E-11	1.65E-13
Mancozeb	Soil	agricultu	kg			4.34E-13	1.03E-13	7.66E-14		1.50E-14	2.59E-14	4.43E-16
Manganese	Soil	agricultu	kg			2.65E-11	8.29E-12	4.52E-12		2.71E-12	5.93E-12	9.52E-14
Mercury	Soil	agricultu	kg			9.97E-16	6.26E-16	2.89E-16		1.23E-16	2.29E-16	3.83E-18
Metaldehyde	Soil	agricultu	kg			1.41E-15	1.08E-15	3.32E-16		2.59E-17	4.61E-17	8.43E-19
Metolachlor	Soil	agricultu	kg			2.10E-12	1.74E-12	5.09E-13		3.46E-14	6.21E-14	1.15E-15
Metribuzin	Soil	agricultu	kg			1.53E-14	3.61E-15	2.70E-15		5.27E-16	9.12E-16	1.56E-17
Molybdenum	Soil	agricultu	kg			6.69E-15	2.73E-15	1.48E-15		8.47E-16	1.73E-15	2.81E-17
Napropamide	Soil	agricultu	kg			2.49E-15	1.90E-15	5.88E-16		4.58E-17	8.15E-17	1.50E-18
Nickel	Soil	agricultu	kg			2.93E-11	1.92E-12	4.84E-12		1.69E-13	2.58E-13	4.51E-15
Orbencarb	Soil	agricultu	kg			8.24E-14	1.94E-14	1.45E-14		2.85E-15	4.91E-15	8.40E-17
Phosphorus	Soil	agricultu	kg			1.29E-11	4.02E-12	2.20E-12		1.32E-12	2.88E-12	4.63E-14
Pirimicarb	Soil	agricultu	kg			1.81E-15	1.50E-15	4.39E-16		2.98E-17	5.35E-17	9.92E-19
Potassium	Soil	agricultu	kg			7.20E-11	2.24E-11	1.23E-11		7.35E-12	1.60E-11	2.57E-13
Silicon	Soil	agricultu	kg			1.20E-10	4.14E-11	2.25E-11		1.33E-11	2.83E-11	4.57E-13
Silver	Soil	agricultu	kg			9.18E-13	5.91E-14	1.51E-13		5.00E-15	7.41E-15	1.31E-16
Strontium	Soil	agricultu	kg			1.88E-13	5.26E-14	9.89E-15		3.79E-15	9.97E-15	2.50E-16
Sulfur	Soil	agricultu	kg			1.81E-11	7.71E-12	4.18E-12		2.38E-12	4.79E-12	7.83E-14
Tebutam	Soil	agricultu	kg			5.91E-15	4.52E-15	1.39E-15		1.09E-16	1.93E-16	3.54E-18
Teflubenzuron	Soil	agricultu	kg			1.02E-15	2.41E-16	1.79E-16		3.52E-17	6.04E-17	1.03E-18
Tin	Soil	agricultu	kg			7.87E-15	5.07E-15	2.77E-15		1.47E-15	2.68E-15	4.49E-17
Titanium	Soil	agricultu	kg			1.82E-12	5.66E-13	3.09E-13		1.86E-13	4.05E-13	6.52E-15
Vanadium	Soil	agricultu	kg			5.22E-14	1.62E-14	8.85E-15		5.31E-15	1.16E-14	1.87E-16
Zinc	Soil	agricultu	kg			4.62E-11	6.62E-12	7.69E-12		1.43E-12	2.98E-12	4.86E-14
Oils, biogenic	Soil	forestry	kg			1.08E-10	8.85E-12	1.84E-11		1.74E-12	2.95E-12	5.05E-14
Oils, unspecified	Soil	forestry	kg			4.15E-07	9.40E-08	1.63E-08		1.84E-08	6.15E-08	1.02E-09
Aluminum	Soil	industria	kg			3.62E-09	6.67E-10	2.35E-10		1.34E-10	4.51E-10	7.28E-12
Arsenic	Soil	industria	kg			1.44E-12	2.67E-13	9.40E-14		5.35E-14	1.81E-13	2.91E-15
Barium	Soil	industria	kg			1.81E-09	3.34E-10	1.18E-10		6.70E-11	2.26E-10	3.64E-12
Boron	Soil	industria	kg			3.62E-11	6.67E-12	2.35E-12		1.34E-12	4.51E-12	7.28E-14
Calcium	Soil	industria	kg			1.44E-08	2.67E-09	9.40E-10		5.35E-10	1.81E-09	2.91E-11
Carbon	Soil	industria	kg			1.08E-08	2.00E-09	7.05E-10		4.00E-10	1.36E-09	2.18E-11
Chloride	Soil	industria	kg			1.26E-08	2.34E-09	8.23E-10		4.69E-10	1.58E-09	2.55E-11
Chromium	Soil	industria	kg			1.81E-11	3.34E-12	1.18E-12		6.70E-13	2.26E-12	3.64E-14
Copper	Soil	industria	kg			9.55E-14	3.21E-12	1.58E-14		3.46E-15	1.09E-14	1.70E-16
Fluoride	Soil	industria	kg			1.81E-10	3.34E-11	1.18E-11		6.70E-12	2.26E-11	3.64E-13
Glyphosate	Soil	industria	kg			1.63E-08	2.77E-09	6.29E-09		1.99E-10	3.07E-10	5.43E-12
Heat, waste	Soil	industria	MJ			1.02E-07	1.00E-08	8.83E-09		2.16E-09	6.38E-09	1.04E-10
Iron	Soil	industria	kg			7.22E-09	1.33E-09	4.70E-10		2.68E-10	9.00E-10	1.46E-11
Magnesium	Soil	industria	kg			2.88E-09	5.34E-10	1.88E-10		1.07E-10	3.61E-10	5.82E-12
Manganese	Soil	industria	kg			1.44E-10	2.67E-11	9.40E-12		5.35E-12	1.81E-11	2.91E-13
Oils, unspecified	Soil	industria	kg			8.40E-11	1.54E-07	1.55E-10		1.09E-12	2.74E-12	4.43E-14
Phosphorus	Soil	industria	kg			1.81E-10	3.34E-11	1.18E-11		6.70E-12	2.26E-11	3.64E-13
Potassium	Soil	industria	kg			1.26E-09	2.34E-10	8.23E-11		4.69E-11	1.58E-10	2.55E-12
Silicon	Soil	industria	kg			3.62E-10	6.67E-11	2.35E-11		1.34E-11	4.51E-11	7.28E-13
Sodium	Soil	industria	kg			7.22E-09	1.33E-09	4.70E-10		2.68E-10	9.00E-10	1.46E-11
Strontium	Soil	industria	kg			3.62E-11	6.67E-12	2.35E-12		1.34E-12	4.51E-12	7.28E-14
Sulfur	Soil	industria	kg			2.17E-09	4.00E-10	1.41E-10		8.04E-11	2.71E-10	4.37E-12
Zinc	Soil	industria	kg			5.42E-11	1.00E-11	3.52E-12		2.01E-12	6.78E-12	1.09E-13
Primary energy, non renewable			MJ									
Tetrachloroethylene	Air		kg									

				Production du coton							Productio n du coton
				Défoliant	Metaux dans l'eau	Diesel	Electricité	Gaz	GPL	Transport	TOTAL
Inventory	Compartr	Sub-com	Unit								
Energy, gross calorific value,	Raw	biotic	MJ	6.43E-08		6.90E-06	2.58E-05	1.82E-09	7.29E-10	4.00E-05	1.29E-04
Peat, in ground	Raw	biotic	kg	5.38E-13		5.35E-11	2.04E-10	2.67E-13	1.07E-13	2.81E-09	4.36E-09
Wood, hard, standing	Raw	biotic	m3	2.06E-12		2.09E-10	1.82E-09	5.09E-14	2.04E-14	1.16E-09	4.00E-09
Wood, soft, standing	Raw	biotic	m3	4.12E-12		4.57E-10	1.58E-10	1.23E-13	4.94E-14	2.57E-09	8.15E-09
Wood, unspecified, standing/	Raw	biotic	m3	2.34E-16		1.92E-14	3.67E-15	5.83E-18	2.33E-18	1.18E-13	3.59E-13
Carbon dioxide, in air	Raw	in air	kg	5.79E-09		6.21E-07	2.28E-06	1.63E-10	6.52E-11	3.56E-06	1.15E-05
Energy, kinetic, flow, in wind	Raw	in air	MJ	9.24E-08		8.93E-06	3.08E-06	2.07E-09	8.28E-10	3.40E-05	7.76E-05
Energy, solar	Raw	in air	MJ	1.21E-09		1.19E-07	4.20E-08	2.86E-11	1.14E-11	7.25E-07	1.32E-06
Aluminium, 24% in bauxite, 1	Raw	in ground	kg	1.29E-10		3.04E-08	4.83E-08	1.73E-11	6.92E-12	1.50E-06	2.03E-06
Anhydrite, in ground	Raw	in ground	kg	2.12E-15		3.34E-12	3.43E-13	3.84E-16	1.53E-16	2.02E-11	2.92E-11
Barite, 15% in crude ore, in g	Raw	in ground	kg	9.44E-10		2.44E-06	2.68E-07	1.49E-10	5.97E-11	2.43E-06	6.09E-06
Basalt, in ground	Raw	in ground	kg	4.01E-11		1.29E-08	5.03E-09	1.43E-11	5.71E-12	9.19E-08	4.44E-07
Borax, in ground	Raw	in ground	kg	2.92E-14		9.92E-13	8.61E-13	1.28E-14	5.12E-15	8.44E-11	3.36E-10
Calcite, in ground	Raw	in ground	kg	8.66E-09		3.23E-06	6.13E-06	5.65E-10	2.26E-10	4.70E-05	6.78E-05
Chromium, 25.5 in chromite,	Raw	in ground	kg	1.31E-10		1.04E-08	7.29E-09	1.16E-11	4.64E-12	1.03E-07	1.06E-06
Chrysotile, in ground	Raw	in ground	kg	9.71E-14		4.28E-12	2.88E-12	5.60E-16	2.24E-16	1.94E-11	5.35E-11
Cinnabar, in ground	Raw	in ground	kg	9.04E-15		3.93E-13	2.65E-13	5.00E-17	2.00E-17	1.66E-12	4.80E-12
Clay, bentonite, in ground	Raw	in ground	kg	1.26E-10		1.84E-07	3.36E-08	2.31E-11	9.25E-12	7.67E-07	1.18E-06
Clay, unspecified, in ground	Raw	in ground	kg	2.09E-09		9.79E-07	4.94E-07	1.32E-10	5.27E-11	1.40E-05	2.40E-05
Coal, brown, in ground	Raw	in ground	kg	1.26E-07		1.22E-05	4.20E-06	2.75E-09	1.10E-09	4.68E-05	1.06E-04
Coal, hard, unspecified, in gr	Raw	in ground	kg	8.15E-08		8.07E-06	2.74E-04	1.98E-09	7.93E-10	4.38E-05	3.57E-04
Cobalt, in ground	Raw	in ground	kg	2.10E-16		1.28E-11	5.04E-14	1.46E-17	5.86E-18	1.29E-11	2.65E-11
Colemanite, in ground	Raw	in ground	kg	1.23E-12		4.12E-11	1.69E-11	2.47E-14	9.90E-15	2.30E-10	6.01E-10
Copper, 0.99% in sulfide, Cu	Raw	in ground	kg	2.12E-11		6.17E-10	5.06E-10	1.16E-12	4.63E-13	1.25E-08	3.43E-08
Copper, 1.18% in sulfide, Cu	Raw	in ground	kg	1.17E-10		3.41E-09	2.80E-09	6.43E-12	2.57E-12	6.93E-08	1.90E-07
Copper, 1.42% in sulfide, Cu	Raw	in ground	kg	3.11E-11		9.06E-10	7.43E-10	1.70E-12	6.81E-13	1.84E-08	5.04E-08
Copper, 2.19% in sulfide, Cu	Raw	in ground	kg	1.54E-10		4.49E-09	3.69E-09	8.44E-12	3.38E-12	9.11E-08	2.50E-07
Diatomite, in ground	Raw	in ground	kg	2.67E-17		3.21E-15	9.73E-16	4.59E-19	1.84E-19	1.04E-12	1.18E-12
Dolomite, in ground	Raw	in ground	kg	9.19E-12		8.97E-09	3.41E-09	2.62E-12	1.05E-12	8.58E-08	1.25E-07
Feldspar, in ground	Raw	in ground	kg	5.75E-18		8.93E-15	4.64E-15	5.60E-19	2.24E-19	4.65E-14	7.86E-14
Fluorine, 4.5% in apatite, 1%	Raw	in ground	kg	8.93E-13		1.31E-09	1.51E-10	9.09E-14	3.64E-14	1.64E-09	9.34E-09
Fluorine, 4.5% in apatite, 3%	Raw	in ground	kg	3.93E-13		5.74E-10	6.76E-11	4.08E-14	1.63E-14	7.75E-10	9.41E-06
Fluorspar, 92%, in ground	Raw	in ground	kg	2.93E-11		3.38E-08	4.08E-09	2.48E-12	9.93E-13	4.79E-08	2.47E-07
Gas, mine, off-gas, process,	Raw	in ground	m3	8.05E-10		8.02E-08	2.73E-06	1.94E-11	7.77E-12	4.39E-07	3.55E-06
Gas, natural, in ground	Raw	in ground	m3	1.48E-07		2.41E-05	9.24E-05	1.40E-07	5.58E-08	6.23E-05	4.33E-04
Granite, in ground	Raw	in ground	kg	2.54E-14		7.20E-12	9.90E-12	3.94E-14	1.58E-14	1.92E-09	2.23E-09
Gravel, in ground	Raw	in ground	kg	3.27E-08		1.90E-05	1.84E-05	1.17E-08	4.70E-09	1.98E-03	2.26E-03
Gypsum, in ground	Raw	in ground	kg	3.29E-13		1.76E-11	2.98E-11	7.71E-15	3.08E-15	1.01E-09	3.99E-09
Iron, 46% in ore, 25% in crud	Raw	in ground	kg	3.80E-09		3.84E-06	1.46E-06	1.17E-09	4.66E-10	5.04E-05	6.67E-05
Kaolinite, 24% in crude ore, i	Raw	in ground	kg	1.25E-12		1.53E-10	1.89E-09	6.20E-14	2.48E-14	1.54E-08	2.02E-08
Kieserite, 25% in crude ore, i	Raw	in ground	kg	7.88E-15		1.06E-12	4.71E-12	2.52E-16	1.01E-16	2.62E-10	2.93E-10
Lead, 5%, in sulfide, Pb 2.97	Raw	in ground	kg	1.66E-10		2.80E-08	6.28E-09	6.29E-12	2.52E-12	9.86E-06	1.03E-05
Magnesite, 60% in crude ore,	Raw	in ground	kg	4.50E-11		5.00E-08	2.01E-08	1.66E-11	6.65E-12	6.30E-07	8.58E-07
Manganese, 35.7% in sedime	Raw	in ground	kg	1.07E-11		4.01E-09	2.73E-09	4.64E-12	1.85E-12	3.55E-08	1.08E-07
Molybdenum, 0.010% in sulfi	Raw	in ground	kg	1.07E-12		3.11E-11	2.55E-11	5.83E-14	2.33E-14	6.31E-10	1.73E-09
Molybdenum, 0.014% in sulfi	Raw	in ground	kg	1.52E-13		4.44E-12	3.64E-12	8.31E-15	3.32E-15	8.95E-11	2.46E-10
Molybdenum, 0.022% in sulfi	Raw	in ground	kg	3.76E-12		1.41E-09	9.58E-10	1.62E-12	6.50E-13	1.24E-08	3.80E-08
Molybdenum, 0.025% in sulfi	Raw	in ground	kg	5.59E-13		1.62E-11	1.34E-11	3.05E-14	1.22E-14	3.29E-10	9.04E-10
Molybdenum, 0.11% in sulfid	Raw	in ground	kg	7.58E-12		2.86E-09	1.93E-09	3.28E-12	1.31E-12	2.51E-08	7.69E-08
Nickel, 1.13% in sulfide, Ni 0.	Raw	in ground	kg	1.54E-13		4.30E-11	1.38E-10	8.95E-15	3.58E-15	1.61E-10	1.20E-07
Nickel, 1.98% in silicates, 1.0	Raw	in ground	kg	2.37E-10		5.35E-08	2.71E-08	3.35E-11	1.34E-11	4.89E-07	2.15E-06
Oil, crude, in ground	Raw	in ground	kg	1.55E-07		4.79E-04	3.40E-05	1.07E-09	4.30E-10	6.29E-04	1.28E-03
Olivine, in ground	Raw	in ground	kg	9.71E-16		1.11E-12	1.24E-13	1.60E-16	6.39E-17	8.08E-12	1.19E-11
Pd, Pd 2.0E-4%, Pt 4.8E-4%,	Raw	in ground	kg	1.88E-15		6.04E-13	4.01E-14	1.89E-18	7.56E-19	5.53E-13	1.63E-12
Pd, Pd 7.3E-4%, Pt 2.5E-4%,	Raw	in ground	kg	4.51E-15		1.45E-12	9.67E-14	4.55E-18	1.82E-18	1.33E-12	3.93E-12
Phosphorus, 18% in apatite,	Raw	in ground	kg	1.57E-12		2.29E-09	2.74E-10	1.63E-13	6.52E-14	3.31E-09	3.75E-05
Phosphorus, 18% in apatite,	Raw	in ground	kg	3.57E-12		5.26E-09	6.04E-10	3.63E-13	1.45E-13	6.56E-09	3.74E-08
Pt, Pt 2.5E-4%, Pd 7.3E-4%,	Raw	in ground	kg	4.38E-17		1.40E-14	9.49E-16	7.57E-19	3.03E-19	1.54E-14	4.15E-14
Pt, Pt 4.8E-4%, Pd 2.0E-4%,	Raw	in ground	kg	1.57E-16		5.00E-14	3.40E-15	2.72E-18	1.09E-18	5.53E-14	1.49E-13
Rh, Rh 2.0E-5%, Pt 2.5E-4%	Raw	in ground	kg	4.29E-17		1.38E-14	9.18E-16	3.91E-20	1.56E-20	1.26E-14	3.73E-14
Rh, Rh 2.4E-5%, Pt 4.8E-4%	Raw	in ground	kg	1.34E-16		4.31E-14	2.88E-15	1.23E-19	4.90E-20	3.96E-14	1.17E-13
Rhenium, in crude ore, in gro	Raw	in ground	kg	4.34E-18		2.05E-14	1.02E-15	9.68E-20	3.87E-20	2.11E-14	4.69E-14
Rutile, in ground	Raw	in ground	kg	4.34E-18		8.37E-15	8.66E-16	4.91E-19	1.96E-19	4.10E-14	6.75E-14
Sand, unspecified, in ground	Raw	in ground	kg	5.53E-13		7.72E-11	2.24E-11	2.64E-14	1.06E-14	8.42E-10	1.35E-09
Shale, in ground	Raw	in ground	kg	6.02E-15		9.49E-12	9.74E-13	1.09E-15	4.35E-16	5.71E-11	8.28E-11
Silver, 0.01% in crude ore, in	Raw	in ground	kg	4.97E-16		4.83E-14	1.71E-14	1.17E-17	4.68E-18	2.97E-13	5.40E-13
Sodium chloride, in ground	Raw	in ground	kg	3.73E-09		2.93E-07	1.21E-07	3.86E-11	1.55E-11	5.52E-06	7.59E-06
Sodium sulphate, various forr	Raw	in ground	kg	7.36E-12		1.10E-08	1.26E-09	7.53E-13	3.01E-13	1.35E-08	7.79E-08
Stibnite, in ground	Raw	in ground	kg	2.78E-18		3.33E-16	1.01E-16	4.77E-20	1.91E-20	1.08E-13	1.22E-13
Sulfur, in ground	Raw	in ground	kg	5.05E-13		1.14E-10	2.15E-11	3.58E-14	1.43E-14	1.51E-09	2.30E-09
Sylvite, 25 % in sylvinite, in g	Raw	in ground	kg	4.21E-12		5.35E-10	1.13E-10	1.22E-13	4.87E-14	2.99E-09	1.78E-04
Talc, in ground	Raw	in ground	kg	1.04E-13		1.38E-11	1.99E-10	6.24E-15	2.50E-15	3.13E-10	6.76E-10
Tin, 79% in cassiterite, 0.1%	Raw	in ground	kg	1.44E-13		7.59E-12	6.05E-12	1.74E-15	6.96E-16	6.34E-10	1.94E-09
TiO2, 45-60% in Ilmenite, in	Raw	in ground	kg	2.47E-11		2.21E-08	2.54E-08	2.96E-12	1.19E-12	1.34E-07	2.90E-07
Ulexite, in ground	Raw	in ground	kg	4.48E-14		4.31E-12	1.50E-12	1.01E-15	4.02E-16	1.65E-11	3.77E-11
Uranium, in ground	Raw	in ground	kg	6.52E-12		6.34E-10	2.21E-10	1.47E-13	5.89E-14	3.59E-09	6.76E-09
Vermiculite, in ground	Raw	in ground	kg	5.51E-15		2.21E-12	1.48E-11	2.82E-16	1.13E-16	2.17E-11	4.34E-11
Volume occupied, final repos	Raw	in ground	m3	1.35E-14		1.31E-12	4.58E-13	3.03E-16	1.21E-16	7.35E-12	1.39E-11
Volume occupied, final repos	Raw	in ground	m3	3.39E-15		3.30E-13	1.15E-13	7.57E-17	3.03E-17	1.76E-12	3.40E-12
Volume occupied, undergrou	Raw	in ground	m3	1.15E-14		5.39E-12	1.47E-11	4.08E-15	1.63E-15	3.51E-11	6.92E-11
Zinc 9%, in sulfide, Zn 5.34%	Raw	in ground	kg	3.95E-11		1.26E-08	1.58E-09	8.72E-12	3.49E-12	1.87E-07	5.55E-07
Energy, potential, stock, in ba	Raw	in water	MJ	5.51E-07		5.39E-05	5.99E-04	2.05E-08	8.19E-09	4.80E-04	1.38E-03
Magnesium, 0.13% in water	Raw	in water	kg	9.81E-16		1.07E-13	3.53E-13	2.67E-17	1.07E-17	6.69E-13	2.19E-12
Volume occupied, reservoir	Raw	in water	m3y	8.15E-09		7.85E-07	3.76E-06	4.18E-10	1.67E-10	7.24E-06	1.53E-05
Water, cooling, unspecified n	Raw	in water	m3	1.38E-08		3.26E-06	2.79E-05	3.16E-10	1.26E-10	8.29E-06	4.58E-05
Water, lake	Raw	in water	m3	5.39E-12		2.16E-09	1.45E-08	2.75E-13	1.10E-13	2.13E-08	4.24E-08
Water, river	Raw	in water	m3	2.84E-09		6.04E-07	1.62E-06	6.52E-11	2.61E-11	1.90E-06	5.57E-06
Water, salt, ocean	Raw	in water	m3	5.62E-10		1.89E-07	9.22E-08	3.77E-11	1.51E-11	3.27E-07	9.76E-07
Water, salt, sole	Raw	in water	m3	1.23E-10		3.81E-07	2.71E-08	9.91E-13	3.97E-13	4.18E-07	9.33E-07
Water, turbine use, unspecifie	Raw	in water	m3	3.68E-06		3.65E-04	4.99E-03	9.18E-08	3.67E-08	2.89E-03	9.86E-03
Water, unspecified natural ori	Raw	in water	m3	8.75E-09		8.41E-06	8.20E-07	2.01E-10	8.04E-11	1.89E-05	1.52E-02
Water, well, in ground	Raw	in water	m3	7.71E-10		1.32E-07	3.94E-07	2.18E-11	8.74E-12	1.43E-06	2.70E-06
Occup. as Convent. arable la	Raw	land	m2a	6.33E-12		2.75E-09	7.31E-09	4.00E-12	1.60E-12	2.12E-07	2.44E-07

				Production du coton							Productio n du coton
				Défoliant	Metaux dans l'eau	Diesel	Electricité	Gaz	GPL	Transport	TOTAL
Occupation, construction site	Raw	land	m2a	3.77E-11		5.52E-08	1.81E-08	5.74E-11	2.29E-11	7.46E-08	5.07E-07
Occupation, dump site	Raw	land	m2a	8.47E-10		7.59E-08	1.44E-06	4.73E-11	1.89E-11	1.06E-06	4.25E-06
Occupation, dump site, benth	Raw	land	m2a	9.14E-11		1.79E-07	3.49E-08	3.91E-11	1.56E-11	1.58E-07	4.81E-07
Occup. as Forest land	Raw	land	m2a	5.70E-11		1.36E-08	2.29E-08	4.41E-12	1.76E-12	6.41E-07	8.40E-07
Occup. as Forest land	Raw	land	m2a	7.17E-09		8.28E-07	1.07E-05	2.10E-10	8.41E-11	5.02E-06	2.72E-05
Occup. as Industrial area	Raw	land	m2a	7.55E-10		1.50E-06	9.05E-07	4.13E-11	1.65E-11	2.02E-06	5.05E-06
Occupation, industrial area, b	Raw	land	m2a	6.47E-13		1.38E-09	3.16E-10	4.82E-13	1.93E-13	1.37E-09	4.02E-09
Occupation, industrial area, b	Raw	land	m2a	2.16E-10		7.07E-08	9.80E-09	7.53E-12	3.01E-12	2.67E-07	1.96E-06
Occupation, industrial area, v	Raw	land	m2a	7.60E-11		3.59E-08	1.79E-08	2.52E-12	1.01E-12	2.95E-07	8.59E-07
Occupation, mineral extractio	Raw	land	m2a	4.71E-10		1.79E-07	7.52E-07	4.50E-11	1.80E-11	5.74E-06	8.67E-06
Occupation, permanent crop,	Raw	land	m2a	1.34E-12		3.18E-09	5.22E-10	7.48E-13	2.99E-13	8.06E-09	1.38E-08
Occup. as Discont. urban lan	Raw	land	m2a	6.35E-12		1.46E-09	3.67E-09	5.51E-13	2.20E-13	4.22E-08	1.97E-07
Occup. as rail/ road area	Raw	land	m2a	7.67E-11		1.67E-08	4.62E-08	1.44E-12	5.75E-13	9.76E-08	5.45E-07
Occup. as rail/ road area	Raw	land	m2a	8.48E-11		1.85E-08	5.10E-08	1.59E-12	6.35E-13	1.08E-07	6.03E-07
Occup. as rail/ road area	Raw	land	m2a	7.83E-11		1.30E-08	1.06E-07	3.04E-12	1.22E-12	2.39E-06	2.71E-06
Occup. as rail/ road area	Raw	land	m2a	1.66E-10		6.25E-07	1.18E-07	9.55E-12	3.82E-12	1.24E-05	1.51E-05
Occup. as Contin. urban land	Raw	land	m2a	2.09E-14		3.95E-11	1.35E-11	5.83E-15	2.33E-15	1.96E-10	4.47E-10
Occupation, water bodies, art	Raw	land	m2a	7.67E-10		1.56E-07	1.83E-07	3.07E-11	1.23E-11	2.84E-06	3.70E-06
Occupation, water courses, a	Raw	land	m2a	3.95E-10		1.45E-07	5.76E-07	9.73E-12	3.89E-12	8.28E-07	1.74E-06
Transformation, from arable	Raw	land	m2	4.63E-13		3.48E-11	1.91E-11	1.33E-14	5.31E-15	4.45E-10	6.99E-10
Transformation, from arable,	Raw	land	m2	1.17E-11		5.09E-09	1.35E-08	7.25E-12	2.90E-12	3.92E-07	4.51E-07
Transformation, from arable,	Raw	land	m2	8.29E-15		1.95E-12	3.10E-12	1.08E-15	4.31E-16	9.49E-11	1.29E-10
Transformation, from dump s	Raw	land	m2	4.25E-13		1.14E-10	2.23E-10	6.98E-14	2.79E-14	7.45E-09	9.24E-09
Transformation, from dump s	Raw	land	m2	8.21E-13		1.65E-10	4.90E-10	3.82E-14	1.53E-14	9.43E-10	3.00E-08
Transformation, from dump s	Raw	land	m2	2.21E-14		1.03E-11	1.60E-11	1.40E-15	5.62E-16	1.72E-11	8.76E-11
Transformation, from dump s	Raw	land	m2	1.81E-15		1.12E-12	2.98E-13	1.47E-16	5.89E-17	2.14E-11	3.02E-11
Transformation, from forest	Raw	land	m2	2.26E-10		6.17E-07	6.52E-08	3.35E-11	1.34E-11	6.21E-07	1.53E-06
Transformation, from forest, e	Raw	land	m2	5.20E-11		6.21E-09	7.22E-08	1.60E-12	6.39E-13	4.18E-08	2.07E-07
Transformation, from industri	Raw	land	m2	1.45E-12		2.59E-10	4.63E-10	6.20E-13	2.48E-13	6.86E-10	2.88E-09
Transformation, from industri	Raw	land	m2	3.27E-15		9.58E-14	2.91E-12	5.83E-15	2.33E-15	5.68E-13	1.14E-11
Transformation, from industri	Raw	land	m2	1.28E-15		1.87E-12	2.15E-13	1.29E-16	5.18E-17	2.34E-12	1.33E-11
Transformation, from industri	Raw	land	m2	2.17E-15		3.19E-12	3.68E-13	2.21E-16	8.85E-17	3.99E-12	2.27E-11
Transformation, from mineral	Raw	land	m2	8.12E-12		3.01E-09	4.16E-09	1.23E-12	4.90E-13	4.84E-08	1.29E-07
Transformation, from pasture	Raw	land	m2	5.29E-12		9.23E-10	4.73E-09	8.40E-13	3.36E-13	1.57E-08	1.29E-07
Transformation, from pasture	Raw	land	m2	9.44E-15		4.10E-12	1.09E-11	5.83E-15	2.33E-15	3.16E-10	3.64E-10
Transformation, from sea anc	Raw	land	m2	9.15E-11		1.79E-07	3.49E-08	3.91E-11	1.56E-11	1.58E-07	4.82E-07
Transformation, from shrub la	Raw	land	m2	3.47E-12		5.09E-10	3.84E-09	1.64E-13	6.55E-14	1.02E-08	4.54E-08
Transformation, from unknow	Raw	land	m2	4.33E-11		2.19E-08	4.53E-08	5.28E-12	2.11E-12	7.58E-07	9.72E-07
Transformation, to arable	Raw	land	m2	7.17E-12		7.29E-10	7.60E-09	8.31E-12	3.32E-12	3.56E-09	2.62E-08
Transformation, to arable, no	Raw	land	m2	1.17E-11		5.09E-09	1.35E-08	7.25E-12	2.90E-12	3.92E-07	4.51E-07
Transformation, to arable, no	Raw	land	m2	1.66E-14		5.69E-12	5.16E-12	1.65E-15	6.59E-16	1.54E-10	2.27E-10
Transformation, to dump site	Raw	land	m2	6.58E-12		5.61E-10	1.17E-08	3.56E-13	1.42E-13	7.56E-09	2.62E-08
Transformation, to dump site,	Raw	land	m2	9.14E-11		1.79E-07	3.49E-08	3.91E-11	1.56E-11	1.58E-07	4.81E-07
Transformation, to dump site,	Raw	land	m2	4.25E-13		1.14E-10	2.23E-10	6.98E-14	2.79E-14	7.45E-09	9.24E-09
Transformation, to dump site,	Raw	land	m2	8.21E-13		1.65E-10	4.90E-10	3.82E-14	1.53E-14	9.43E-10	3.00E-08
Transformation, to dump site,	Raw	land	m2	2.21E-14		1.03E-11	1.60E-11	1.40E-15	5.62E-16	1.72E-11	8.76E-11
Transformation, to dump site,	Raw	land	m2	1.81E-15		1.12E-12	2.98E-13	1.47E-16	5.89E-17	2.14E-11	3.02E-11
Transformation, to forest	Raw	land	m2	3.04E-12		1.52E-09	1.80E-09	1.04E-12	4.17E-13	4.89E-08	9.49E-08
Transformation, to forest, inte	Raw	land	m2	3.79E-13		9.06E-11	1.53E-10	2.93E-14	1.17E-14	4.27E-09	5.60E-09
Transformation, to forest, inte	Raw	land	m2	5.11E-11		6.04E-09	7.14E-08	1.55E-12	6.19E-13	3.70E-08	1.99E-07
Transformation, to heterogen	Raw	land	m2	9.99E-12		2.87E-08	3.10E-09	1.92E-12	7.67E-13	3.04E-08	7.30E-08
Transformation, to industrial a	Raw	land	m2	6.40E-12		1.05E-09	1.78E-08	8.17E-13	3.27E-13	9.86E-09	3.31E-08
Transformation, to industrial a	Raw	land	m2	3.27E-14		5.95E-11	1.04E-11	1.24E-14	4.96E-15	9.42E-11	2.62E-10
Transformation, to industrial a	Raw	land	m2	4.73E-12		1.72E-09	2.79E-10	1.95E-13	7.78E-14	5.77E-09	4.01E-08
Transformation, to industrial a	Raw	land	m2	1.74E-12		1.13E-09	4.29E-10	5.51E-14	2.20E-14	6.46E-09	1.84E-08
Transformation, to mineral ex	Raw	land	m2	2.30E-10		5.95E-07	6.86E-08	2.69E-11	1.08E-11	1.15E-06	2.15E-06
Transformation, to pasture ar	Raw	land	m2	6.83E-13		3.55E-11	4.28E-10	6.01E-13	2.40E-13	1.15E-10	5.93E-08
Transformation, to permanen	Raw	land	m2	1.34E-14		3.19E-11	5.22E-12	7.48E-15	2.99E-15	8.07E-11	1.38E-10
Transformation, to sea and o	Raw	land	m2	3.27E-15		9.58E-14	2.91E-12	5.83E-15	2.33E-15	5.68E-13	1.14E-11
Transformation, to shrub land	Raw	land	m2	1.27E-12		2.91E-10	7.31E-10	1.10E-13	4.39E-14	8.47E-09	3.94E-08
Transformation, to traffic area	Raw	land	m2	1.79E-13		3.88E-11	1.07E-10	3.34E-15	1.34E-15	2.27E-10	1.27E-09
Transformation, to traffic area	Raw	land	m2	1.96E-13		4.27E-11	1.18E-10	3.68E-15	1.47E-15	2.50E-10	1.39E-09
Transformation, to traffic area	Raw	land	m2	5.26E-13		7.25E-11	7.03E-10	1.79E-14	7.18E-15	6.20E-09	8.08E-09
Transformation, to traffic area	Raw	land	m2	1.94E-12		7.33E-09	1.46E-09	1.08E-13	4.33E-14	3.35E-08	6.25E-08
Transformation, to unknown	Raw	land	m2	1.69E-12		1.48E-09	2.74E-10	1.87E-13	7.47E-14	6.08E-09	9.89E-09
Transformation, to urban, dis	Raw	land	m2	4.17E-16		7.85E-13	2.68E-13	1.16E-16	4.64E-17	3.89E-12	8.89E-12
Transformation, to water bodi	Raw	land	m2	7.01E-12		2.36E-09	2.46E-09	8.72E-13	3.49E-13	1.34E-07	1.57E-07
Transformation, to water cour	Raw	land	m2	4.73E-12		1.36E-09	6.79E-09	1.16E-13	4.64E-14	8.11E-09	1.85E-08
Acetic acid	Air		kg	4.96E-14		1.42E-10	1.05E-11	4.68E-15	1.87E-15	4.14E-10	6.46E-10
Aluminum	Air		kg	1.51E-11		1.70E-09	3.63E-08	7.21E-13	2.88E-13	2.97E-08	8.16E-08
Ammonia	Air		kg	6.66E-12		1.75E-09	1.43E-08	3.16E-13	1.26E-13	6.25E-08	8.96E-08
Antimony	Air		kg	6.21E-18		3.51E-15	2.09E-15	4.29E-19	1.72E-19	5.63E-14	7.33E-14
Arsenic	Air		kg	3.73E-17		2.11E-14	1.26E-14	2.57E-18	1.03E-18	3.38E-13	4.40E-13
Benzene	Air		kg	1.31E-13		4.89E-10	3.75E-11	1.01E-14	4.06E-15	2.61E-08	2.81E-08
Benzene, hexachloro-	Air		kg	3.00E-17		3.38E-14	1.35E-14	1.13E-17	4.53E-18	4.25E-13	5.79E-13
Benzo(a)pyrene	Air		kg	1.76E-16		7.38E-14	7.68E-14	2.68E-17	1.07E-17	2.48E-12	3.19E-12
Beryllium	Air		kg	9.34E-18		5.26E-15	3.15E-15	6.43E-19	2.57E-19	8.46E-14	1.10E-13
Butadiene	Air		kg	2.20E-19		7.12E-17	4.72E-18	4.23E-22	1.69E-22	6.56E-17	1.93E-16
Cadmium	Air		kg	1.74E-16		1.63E-13	6.57E-14	4.35E-17	1.74E-17	1.09E-11	1.19E-11
Carbon dioxide, biogenic	Air		kg	4.69E-11		2.65E-08	1.58E-08	3.24E-12	1.30E-12	4.25E-07	5.53E-07
Carbon dioxide, fossil	Air		kg	1.10E-08		1.33E-03	4.55E-06	1.14E-09	4.55E-10	1.41E-03	2.82E-03
Carbon monoxide, biogenic	Air		kg	4.54E-12		9.27E-10	1.93E-09	5.69E-13	2.28E-13	6.04E-08	7.64E-08
Carbon monoxide, fossil	Air		kg	1.52E-10		6.90E-06	7.97E-08	3.86E-11	1.54E-11	4.11E-06	1.17E-05
Chlorine	Air		kg	3.64E-18		1.07E-15	1.61E-15	3.78E-18	1.51E-18	4.91E-14	6.07E-14
Chromium	Air		kg	4.28E-15		4.70E-12	1.83E-12	1.42E-15	5.67E-16	1.19E-10	1.43E-10
Chromium VI	Air		kg	2.14E-18		1.26E-15	6.43E-16	1.44E-19	5.76E-20	1.48E-13	1.59E-13
Cobalt	Air		kg	3.54E-17		9.32E-15	4.98E-15	1.38E-18	5.53E-19	1.25E-13	1.71E-13
Copper	Air		kg	4.54E-15		4.10E-12	1.80E-12	6.65E-16	2.66E-16	6.75E-10	7.16E-10
Dinitrogen monoxide	Air		kg	4.24E-12		5.11E-08	2.37E-10	1.30E-13	5.20E-14	5.15E-08	1.07E-07
Dioxins, measured as 2,3,7,8	Air		kg	2.81E-17		2.84E-14	1.08E-14	8.63E-18	3.45E-18	3.72E-13	4.93E-13
Ethane, 1,1,1,2-tetrafluoro-, H	Air		kg	1.02E-14		6.90E-12	1.59E-12	4.64E-16	1.85E-16	3.10E-09	3.25E-09
Ethane, hexafluoro-, HFC-11	Air		kg	1.39E-15		2.83E-13	5.88E-13	1.73E-16	6.94E-17	1.84E-11	2.33E-11
Ethylene oxide	Air		kg	2.13E-18		6.86E-16	4.55E-17	4.08E-21	1.63E-21	6.33E-16	1.86E-15
Ethyne	Air		kg	1.88E-16		4.05E-14	9.75E-15	1.42E-17	5.69E-18	2.53E-13	7.92E-13
Fluorine	Air		kg	1.24E-19		1.21E-17	4.27E-18	2.91E-21	1.16E-21	7.37E-17	1.34E-16

				Production du coton							Productio n du coton
				Défoliant	Metaux dans l'eau	Diesel	Electricité	Gaz	GPL	Transport	TOTAL
Formaldehyde	Air		kg	2.36E-14		4.09E-12	9.88E-13	7.57E-16	3.03E-16	2.50E-11	1.09E-10
Heat, waste	Air		MJ	3.50E-07		2.91E-04	2.11E-04	2.25E-08	9.01E-09	2.37E-02	2.57E-02
Helium	Air		kg	1.67E-22		1.50E-19	1.73E-19	2.00E-23	7.99E-24	9.10E-19	1.08E-16
Hydrocarbons, aliphatic, alka	Air		kg	4.61E-13		2.96E-06	1.84E-10	1.52E-13	6.10E-14	6.87E-09	2.97E-06
Hydrocarbons, aromatic	Air		kg	1.16E-13		1.30E-10	5.19E-11	4.37E-14	1.75E-14	1.64E-09	2.23E-09
Hydrocarbons, chlorinated	Air		kg	1.61E-15		1.25E-12	2.86E-13	4.59E-16	1.84E-16	1.29E-11	2.35E-11
Hydrogen	Air		kg	2.93E-15		8.41E-12	6.20E-13	2.79E-16	1.11E-16	2.46E-11	3.83E-11
Hydrogen chloride	Air		kg	4.83E-13		6.47E-10	1.01E-10	6.01E-14	2.40E-14	4.52E-09	8.18E-09
Hydrogen fluoride	Air		kg	7.10E-14		4.49E-11	2.62E-11	1.48E-14	5.93E-15	8.59E-10	1.18E-09
Hydrogen sulfide	Air		kg	3.13E-14		3.15E-11	1.20E-11	9.59E-15	3.84E-15	4.14E-10	5.48E-10
Iron	Air		kg	2.35E-14		7.46E-11	1.07E-11	7.99E-15	3.19E-15	2.74E-10	4.43E-10
Lead	Air		kg	1.58E-14		1.57E-11	6.25E-12	4.73E-15	1.89E-15	2.32E-10	3.05E-10
Manganese	Air		kg	3.64E-15		3.80E-12	1.45E-12	1.11E-15	4.44E-16	3.98E-11	5.61E-11
Mercury	Air		kg	3.69E-15		4.08E-12	1.63E-12	1.35E-15	5.40E-16	5.16E-11	7.02E-11
Methane, fossil	Air		kg	8.49E-13		8.11E-08	3.69E-10	1.42E-13	5.67E-14	4.51E-08	1.33E-07
Methane, tetrafluoro-, FC-14	Air		kg	1.25E-14		2.55E-12	5.28E-12	1.57E-15	6.26E-16	1.66E-10	2.10E-10
Methanol	Air		kg	2.50E-14		7.16E-11	5.27E-12	2.36E-15	9.45E-16	2.09E-10	3.26E-10
Molybdenum	Air		kg	3.88E-19		3.77E-17	1.31E-17	8.58E-21	3.43E-21	1.87E-16	4.30E-16
Nickel	Air		kg	2.44E-15		2.64E-12	1.03E-12	7.80E-16	3.12E-16	9.73E-11	1.12E-10
Nitrogen oxides	Air		kg	1.96E-10		1.84E-05	1.64E-07	2.38E-11	9.53E-12	1.61E-05	3.57E-05
NMVOC, non-methane volatil	Air		kg	2.70E-11		2.42E-08	2.49E-08	3.36E-12	1.34E-12	2.29E-06	2.48E-06
Ozone	Air		kg	3.59E-12		3.48E-10	1.28E-10	8.81E-14	3.52E-14	1.82E-09	3.57E-09
PAH, polycyclic aromatic hyd	Air		kg	8.94E-15		6.43E-12	4.14E-12	1.68E-15	6.72E-16	1.41E-10	1.81E-10
Particulates, < 2.5 um	Air		kg	1.48E-11		2.73E-06	9.05E-09	2.49E-12	9.97E-13	8.33E-07	3.64E-06
Particulates, > 10 um	Air		kg	7.21E-12		2.74E-09	3.43E-09	2.87E-13	1.15E-13	7.04E-07	7.64E-07
Particulates, > 2.5 um, and <	Air		kg	7.73E-12		2.40E-09	4.36E-09	2.97E-13	1.19E-13	2.65E-07	3.15E-07
Phenol	Air		kg	6.64E-17		1.78E-14	2.10E-15	3.24E-18	1.30E-18	1.24E-13	7.15E-13
Phosphorus	Air		kg	3.86E-18		1.14E-15	1.71E-15	4.01E-18	1.60E-18	5.21E-14	6.44E-14
Platinum	Air		kg	3.21E-22		1.95E-19	4.98E-20	5.87E-21	2.35E-21	1.82E-17	2.03E-17
Polychlorinated biphenyls	Air		kg	5.45E-17		5.91E-14	2.32E-14	1.92E-17	7.67E-18	7.54E-13	1.02E-12
Selenium	Air		kg	2.54E-17		2.02E-14	9.95E-15	2.34E-18	9.34E-19	3.44E-12	3.65E-12
Silicon	Air		kg	6.60E-22		5.91E-19	6.82E-19	7.89E-23	3.16E-23	3.61E-18	4.27E-16
Sodium	Air		kg	2.65E-18		4.16E-15	2.87E-16	7.25E-20	2.90E-20	2.01E-14	4.55E-14
Sulfate	Air		kg	7.63E-17		1.73E-13	3.17E-14	4.82E-17	1.93E-17	5.25E-13	8.50E-13
Sulfur dioxide	Air		kg	7.82E-12		1.11E-06	3.02E-09	1.71E-12	6.85E-13	3.47E-07	1.49E-06
Sulfur hexafluoride	Air		kg	6.49E-14		5.87E-12	1.54E-12	1.51E-15	6.04E-16	2.64E-11	5.38E-11
Thallium	Air		kg	4.03E-17		2.28E-14	1.36E-14	2.79E-18	1.12E-18	3.66E-13	4.77E-13
Tin	Air		kg	2.05E-16		9.92E-14	8.65E-14	9.09E-18	3.64E-18	2.65E-12	4.06E-12
Titanium	Air		kg	4.90E-17		4.96E-14	1.88E-14	1.51E-17	6.02E-18	6.50E-13	8.60E-13
Toluene	Air		kg	5.32E-14		2.98E-11	1.48E-11	1.50E-14	5.98E-15	1.09E-08	1.16E-08
Vanadium	Air		kg	1.51E-16		1.45E-13	5.72E-14	4.25E-17	1.70E-17	1.93E-12	2.55E-12
water	Air		kg	2.32E-11		2.61E-09	5.57E-08	1.11E-12	4.42E-13	4.57E-08	1.25E-07
Xylene	Air		kg	5.30E-14		2.97E-11	1.48E-11	1.30E-14	5.20E-15	1.09E-08	1.16E-08
Zinc	Air		kg	6.15E-14		4.62E-11	1.79E-11	1.92E-14	7.67E-15	1.67E-09	2.11E-09
Acenaphthene	Air	high. pop	kg	8.40E-19		8.11E-17	2.37E-15	1.96E-20	7.84E-21	2.99E-16	3.03E-15
Acetaldehyde	Air	high. pop	kg	4.83E-13		2.26E-11	2.81E-10	7.39E-15	2.96E-15	6.14E-11	9.05E-10
Acetic acid	Air	high. pop	kg	2.06E-12		1.28E-10	1.50E-09	6.93E-13	2.77E-13	3.95E-10	5.26E-09
Acetone	Air	high. pop	kg	4.83E-13		2.23E-11	2.79E-10	2.80E-15	1.12E-15	6.04E-11	8.91E-10
Acrolein	Air	high. pop	kg	1.30E-15		5.48E-14	1.04E-14	2.03E-18	8.13E-19	2.56E-13	5.20E-13
Aldehydes, unspecified	Air	high. pop	kg	8.82E-16		1.39E-12	1.71E-13	1.79E-16	7.14E-17	4.51E-12	8.56E-12
Aluminum	Air	high. pop	kg	1.55E-13		2.51E-11	2.10E-10	1.18E-14	4.72E-15	2.00E-10	9.66E-10
Ammonia	Air	high. pop	kg	2.73E-12		5.00E-10	4.69E-10	6.61E-14	2.64E-14	2.02E-09	1.44E-06
Ammonium carbonate	Air	high. pop	kg	1.13E-15		3.34E-14	5.75E-15	2.32E-17	9.29E-18	1.50E-13	3.27E-13
Antimony	Air	high. pop	kg	2.55E-17		4.26E-15	3.16E-14	1.84E-18	7.34E-19	3.64E-14	1.63E-13
Arsenic	Air	high. pop	kg	3.62E-14		8.15E-12	9.44E-12	1.31E-16	5.23E-17	9.57E-12	7.33E-11
Barium	Air	high. pop	kg	1.86E-15		2.95E-13	2.47E-12	1.52E-16	6.10E-17	2.52E-12	1.16E-11
Benzaldehyde	Air	high. pop	kg	6.74E-16		2.86E-14	5.44E-15	1.06E-18	4.24E-19	1.34E-13	2.72E-13
Benzene	Air	high. pop	kg	1.01E-12		2.84E-09	2.78E-10	1.82E-12	7.27E-13	3.99E-09	1.08E-08
Benzene, ethyl-	Air	high. pop	kg	2.07E-13		6.38E-10	4.52E-11	1.53E-15	6.11E-16	8.50E-10	1.72E-09
Benzene, hexachloro-	Air	high. pop	kg	7.01E-19		1.91E-16	5.00E-17	1.10E-19	4.41E-20	2.09E-15	4.78E-15
Benzene, pentachloro-	Air	high. pop	kg	1.76E-18		4.79E-16	1.25E-16	2.77E-19	1.11E-19	5.24E-15	1.20E-14
Benzo(a)pyrene	Air	high. pop	kg	9.53E-17		4.96E-15	1.96E-14	4.59E-17	1.84E-17	2.36E-14	2.25E-13
Beryllium	Air	high. pop	kg	4.62E-17		5.56E-15	8.58E-14	2.03E-18	8.11E-19	3.35E-14	1.97E-13
Boron	Air	high. pop	kg	2.42E-14		1.28E-12	9.34E-12	6.06E-16	2.42E-16	1.01E-11	4.67E-11
Bromine	Air	high. pop	kg	3.01E-15		4.70E-13	2.94E-13	9.23E-17	3.69E-17	2.42E-12	7.37E-12
Butane	Air	high. pop	kg	9.90E-12		2.74E-08	4.71E-09	3.24E-12	1.29E-12	3.69E-08	8.22E-08
Butene	Air	high. pop	kg	2.06E-13		6.38E-10	4.51E-11	1.30E-15	5.20E-16	8.49E-10	1.72E-09
Cadmium	Air	high. pop	kg	8.28E-14		1.95E-11	5.27E-12	9.04E-17	3.62E-17	1.91E-11	1.55E-10
Calcium	Air	high. pop	kg	4.83E-13		9.88E-11	7.09E-11	8.31E-15	3.32E-15	2.40E-10	8.62E-10
Carbon dioxide, biogenic	Air	high. pop	kg	5.11E-09		6.17E-07	1.98E-07	1.68E-10	6.74E-11	2.57E-06	8.09E-06
Carbon dioxide, fossil	Air	high. pop	kg	3.65E-07		1.06E-04	2.77E-04	2.78E-07	1.11E-07	1.81E-04	1.20E-03
Carbon disulfide	Air	high. pop	kg	4.63E-18		8.45E-15	8.84E-16	5.05E-19	2.02E-19	4.15E-14	6.84E-14
Carbon monoxide, biogenic	Air	high. pop	kg	6.07E-13		8.80E-11	2.74E-11	2.11E-14	8.44E-15	4.72E-10	1.41E-09
Carbon monoxide, fossil	Air	high. pop	kg	6.35E-11		3.05E-08	6.22E-08	4.39E-11	1.76E-11	2.02E-06	2.34E-06
Chlorine	Air	high. pop	kg	1.46E-13		1.38E-10	2.08E-11	1.80E-14	7.20E-15	5.33E-10	8.96E-10
Chloroform	Air	high. pop	kg	1.22E-16		1.22E-14	4.29E-15	2.88E-18	1.15E-18	8.90E-14	1.51E-13
Chromium	Air	high. pop	kg	4.60E-14		1.02E-11	1.56E-11	1.96E-16	7.82E-17	1.14E-11	9.38E-11
Chromium VI	Air	high. pop	kg	5.90E-16		1.18E-13	4.01E-13	6.65E-18	2.66E-18	1.93E-13	1.44E-12
Cobalt	Air	high. pop	kg	1.03E-13		2.13E-11	4.61E-11	4.91E-16	1.96E-16	2.49E-11	2.10E-10
Copper	Air	high. pop	kg	1.61E-13		3.31E-11	6.51E-11	1.40E-15	5.62E-16	1.53E-10	4.77E-10
Cumene	Air	high. pop	kg	2.10E-14		4.57E-11	3.96E-12	3.01E-15	1.20E-15	1.55E-10	2.65E-10
Cyanide	Air	high. pop	kg	1.24E-13		9.23E-13	2.64E-13	6.65E-16	2.66E-16	8.31E-12	2.84E-11
Dinitrogen monoxide	Air	high. pop	kg	8.70E-12		1.42E-09	8.78E-09	2.75E-12	1.10E-12	3.97E-09	4.38E-06
Dioxins, measured as 2,3,7,8	Air	high. pop	kg	3.58E-19		4.87E-17	4.01E-16	2.32E-20	9.27E-21	3.90E-16	1.86E-15
Ethane	Air	high. pop	kg	3.61E-12		6.73E-09	4.59E-09	4.91E-14	1.96E-14	9.31E-09	2.31E-08
Ethane, 1,1,1,2-tetrafluoro-, H	Air	high. pop	kg	7.08E-20		8.02E-18	1.22E-17	1.77E-21	7.07E-22	5.45E-17	1.02E-16
Ethane, 1,2-dichloro-	Air	high. pop	kg	1.13E-14		1.68E-12	1.74E-13	2.87E-16	1.15E-16	5.49E-12	2.96E-10
Ethanol	Air	high. pop	kg	9.62E-13		4.49E-11	5.70E-10	5.69E-15	2.28E-15	1.21E-10	1.80E-09
Ethene	Air	high. pop	kg	4.72E-13		1.31E-09	1.51E-10	7.07E-15	2.83E-15	1.84E-09	3.83E-09
Ethene, chloro-	Air	high. pop	kg	2.31E-14		8.76E-13	1.44E-13	5.14E-16	2.06E-16	4.23E-12	2.28E-11
Ethylene diamine	Air	high. pop	kg	1.21E-19		1.91E-17	1.76E-16	5.83E-21	2.33E-21	5.41E-15	6.11E-15
Ethylene oxide	Air	high. pop	kg	2.19E-16		5.74E-13	5.45E-14	3.77E-17	1.51E-17	1.71E-12	2.66E-12
Ethyne	Air	high. pop	kg	8.36E-15		1.19E-12	9.77E-12	5.60E-16	2.24E-16	9.73E-12	4.56E-11
Fluorine	Air	high. pop	kg	2.16E-15		2.25E-13	8.56E-14	8.58E-17	3.43E-17	2.52E-12	4.01E-12
Fluosilicic acid	Air	high. pop	kg	1.62E-15		3.31E-13	6.87E-13	2.03E-16	8.11E-17	2.16E-11	2.73E-11

			Production du coton							Productio n du coton
			Défoliant	Metaux dans l'eau	Diesel	Electricité	Gaz	GPL	Transport	TOTAL
Formaldehyde	Air	high. pop.	kg	1.51E-12		7.76E-11	9.62E-10	4.64E-13	1.85E-13	3.86E-10	3.82E-09
Heat, waste	Air	high. pop.	MJ	7.10E-06		1.51E-03	3.03E-03	5.46E-06	2.18E-06	2.70E-03	2.15E-02
Heptane	Air	high. pop.	kg	2.06E-12		6.38E-09	4.51E-10	1.29E-14	5.18E-15	8.48E-09	1.71E-08
Hexane	Air	high. pop.	kg	5.24E-12		1.37E-08	3.33E-09	4.77E-14	1.91E-14	1.84E-08	3.97E-08
Hydrocarbons, aliphatic, alka	Air	high. pop.	kg	1.61E-16		5.48E-14	8.07E-15	3.47E-18	1.39E-18	5.48E-12	6.40E-12
Hydrocarbons, aliphatic, alka	Air	high. pop.	kg	2.28E-12		7.68E-10	1.20E-09	2.09E-14	8.37E-15	1.49E-09	6.42E-09
Hydrocarbons, aliphatic, unsa	Air	high. pop.	kg	2.37E-13		1.88E-11	7.16E-11	5.37E-15	2.15E-15	8.11E-11	3.60E-10
Hydrocarbons, aromatic	Air	high. pop.	kg	3.72E-13		2.24E-11	1.66E-11	1.12E-14	4.46E-15	5.07E-10	1.12E-09
Hydrocarbons, chlorinated	Air	high. pop.	kg	1.79E-15		2.51E-13	3.20E-14	5.05E-17	2.02E-17	1.21E-12	6.48E-12
Hydrogen	Air	high. pop.	kg	2.23E-12		1.08E-09	1.60E-10	9.27E-14	3.71E-14	2.28E-09	8.82E-09
Hydrogen chloride	Air	high. pop.	kg	4.77E-12		9.66E-10	8.97E-10	5.23E-14	2.09E-14	1.83E-09	1.15E-08
Hydrogen fluoride	Air	high. pop.	kg	4.06E-13		9.10E-11	6.31E-11	2.17E-15	8.67E-16	1.27E-10	8.39E-10
Hydrogen sulfide	Air	high. pop.	kg	1.07E-15		1.29E-12	4.62E-13	3.36E-16	1.34E-16	1.63E-11	8.42E-11
Iodine	Air	high. pop.	kg	1.65E-16		2.59E-14	2.23E-13	1.25E-17	5.01E-18	2.12E-13	1.03E-12
Iron	Air	high. pop.	kg	5.38E-13		1.11E-10	1.69E-10	5.87E-15	2.35E-15	1.94E-10	1.31E-09
Isocyanic acid	Air	high. pop.	kg	5.01E-14		4.96E-12	2.33E-12	1.12E-15	4.50E-16	2.74E-11	5.51E-11
Lead	Air	high. pop.	kg	1.62E-13		3.60E-11	4.70E-11	6.24E-16	2.50E-16	5.04E-11	3.36E-10
Lead-210	Air	high. pop.	Bq	6.72E-10		1.06E-07	9.07E-07	5.09E-11	2.04E-11	8.59E-07	4.17E-06
m-Xylene	Air	high. pop.	kg	5.09E-15		5.05E-13	1.83E-13	1.27E-16	5.07E-17	2.17E-12	5.05E-12
Magnesium	Air	high. pop.	kg	7.04E-14		1.05E-11	7.46E-11	4.56E-15	1.82E-15	7.75E-11	3.57E-10
Manganese	Air	high. pop.	kg	1.41E-14		1.39E-12	1.47E-11	3.42E-16	1.37E-16	5.72E-12	2.83E-11
Mercury	Air	high. pop.	kg	3.39E-15		1.71E-12	5.09E-13	2.47E-16	9.88E-17	3.59E-12	8.11E-12
Methane, biogenic	Air	high. pop.	kg	1.05E-13		1.13E-10	2.17E-11	2.71E-14	1.08E-14	3.48E-10	5.36E-09
Methane, chlorodifluoro-, HCl	Air	high. pop.	kg	9.81E-19		1.11E-16	1.69E-16	2.45E-20	9.80E-21	7.57E-16	1.41E-15
Methane, dichloro-, HCC-30	Air	high. pop.	kg	3.71E-18		3.70E-16	1.29E-16	8.77E-20	3.51E-20	2.69E-15	4.58E-15
Methane, dichlorodifluoro-, C	Air	high. pop.	kg	1.62E-18		1.80E-16	2.10E-16	3.69E-20	1.47E-20	6.86E-16	1.29E-13
Methane, dichlorofluoro-, HCl	Air	high. pop.	kg	1.38E-22		1.56E-20	2.38E-20	3.44E-24	1.38E-24	1.06E-19	1.99E-19
Methane, fossil	Air	high. pop.	kg	2.36E-11		2.89E-08	1.26E-08	1.17E-11	4.70E-12	5.68E-08	1.48E-07
Methane, monochloro-, R-40	Air	high. pop.	kg	4.78E-21		8.45E-19	7.98E-19	9.68E-23	3.87E-23	6.72E-18	2.08E-17
Methane, tetrachloro-, CFC-1	Air	high. pop.	kg	3.15E-16		2.44E-13	1.43E-13	2.63E-17	1.05E-17	8.03E-13	1.90E-12
Methane, trichlorofluoro-, CFC	Air	high. pop.	kg	2.61E-22		2.95E-20	4.49E-20	6.52E-24	2.61E-24	2.01E-19	3.76E-19
Methane, trifluoro-, HFC-23	Air	high. pop.	kg	4.38E-20		4.96E-18	7.57E-18	1.09E-21	4.37E-22	3.38E-17	6.32E-17
Methanol	Air	high. pop.	kg	1.46E-12		6.21E-11	5.90E-10	6.24E-15	2.50E-15	1.54E-10	1.13E-08
Molybdenum	Air	high. pop.	kg	4.38E-14		1.01E-11	1.04E-11	1.24E-16	4.98E-17	1.06E-11	8.67E-11
Monoethanolamine	Air	high. pop.	kg	1.53E-15		3.11E-13	1.35E-13	3.02E-16	1.21E-16	3.25E-12	1.01E-11
Nickel	Air	high. pop.	kg	1.72E-12		2.19E-10	3.69E-10	4.14E-15	1.65E-15	2.73E-10	3.07E-09
Nitrate	Air	high. pop.	kg	6.86E-16		7.72E-14	1.64E-12	3.28E-17	1.31E-17	1.34E-12	3.69E-12
Nitrogen oxides	Air	high. pop.	kg	5.21E-10		1.41E-07	4.75E-07	1.23E-10	4.94E-11	2.65E-07	3.93E-06
NMVOC, non-methane volatil	Air	high. pop.	kg	5.58E-12		1.26E-08	1.81E-09	1.45E-12	5.80E-13	7.42E-08	1.04E-07
Ozone	Air	high. pop.	kg	1.89E-16		7.55E-14	5.05E-13	9.64E-18	3.86E-18	7.75E-13	1.52E-12
PAH, polycyclic aromatic hyd	Air	high. pop.	kg	1.16E-14		1.16E-12	2.60E-11	4.53E-14	1.81E-14	8.70E-12	1.13E-10
Paraffins	Air	high. pop.	kg	1.51E-19		5.48E-17	1.36E-17	6.15E-20	2.46E-20	3.90E-16	1.72E-15
Particulates, < 2.5 um	Air	high. pop.	kg	9.71E-11		2.17E-08	1.37E-08	8.67E-13	3.47E-13	3.08E-08	3.23E-07
Particulates, > 10 um	Air	high. pop.	kg	3.06E-11		9.71E-09	9.54E-09	2.34E-13	9.36E-14	1.72E-08	2.27E-07
Particulates, > 2.5 um, and <	Air	high. pop.	kg	1.66E-11		2.86E-09	8.21E-09	2.46E-13	9.82E-14	1.02E-08	1.15E-07
Pentane	Air	high. pop.	kg	1.27E-11		3.50E-08	5.91E-09	5.51E-12	2.20E-12	4.83E-08	1.10E-07
Phenol	Air	high. pop.	kg	1.98E-15		3.82E-13	2.13E-13	1.82E-16	7.27E-17	1.67E-11	2.48E-11
Phenol, pentachloro-	Air	high. pop.	kg	5.37E-19		8.67E-17	2.61E-17	3.89E-20	1.55E-20	7.20E-16	1.65E-15
Phosphorus	Air	high. pop.	kg	4.25E-14		1.70E-12	1.79E-12	4.48E-16	1.79E-16	7.46E-12	2.32E-11
Platinum	Air	high. pop.	kg	5.12E-21		5.56E-19	2.43E-19	1.85E-22	7.38E-23	1.69E-17	2.05E-17
Polonium-210	Air	high. pop.	Bq	1.23E-09		1.93E-07	1.66E-06	9.32E-11	3.73E-11	1.56E-06	7.61E-06
Potassium	Air	high. pop.	kg	1.01E-12		1.02E-10	6.05E-11	2.61E-14	1.04E-14	4.48E-10	1.10E-09
Potassium-40	Air	high. pop.	Bq	1.95E-10		3.07E-08	2.64E-07	1.48E-11	5.91E-12	2.48E-07	1.21E-06
Propanal	Air	high. pop.	kg	6.74E-16		2.86E-14	5.44E-15	1.06E-18	4.24E-19	1.34E-13	2.72E-13
Propane	Air	high. pop.	kg	9.53E-12		2.70E-08	4.09E-09	9.78E-13	3.91E-13	3.61E-08	7.67E-08
Propene	Air	high. pop.	kg	4.35E-13		1.30E-09	1.02E-10	4.87E-15	1.95E-15	1.89E-09	3.73E-09
Propionic acid	Air	high. pop.	kg	1.76E-14		1.96E-12	4.81E-11	9.04E-14	3.62E-14	1.10E-11	2.09E-10
Propylene oxide	Air	high. pop.	kg	2.91E-15		1.38E-12	1.53E-13	2.64E-17	1.06E-17	1.45E-10	1.55E-10
Radioactive species, other be	Air	high. pop.	Bq	4.28E-08		5.13E-06	1.56E-06	7.39E-10	2.96E-10	1.67E-03	1.89E-03
Radium-226	Air	high. pop.	Bq	1.73E-10		2.73E-08	2.35E-07	1.31E-11	5.25E-12	2.21E-07	1.08E-06
Radium-228	Air	high. pop.	Bq	9.34E-10		1.48E-07	1.27E-06	7.07E-11	2.83E-11	1.19E-06	5.82E-06
Radon-220	Air	high. pop.	Bq	1.44E-11		2.27E-09	1.96E-08	1.10E-12	4.41E-13	1.86E-08	8.99E-08
Radon-222	Air	high. pop.	Bq	1.44E-11		2.27E-09	1.96E-08	1.10E-12	4.41E-13	1.86E-08	8.99E-08
Scandium	Air	high. pop.	kg	1.82E-17		2.86E-15	2.45E-14	1.38E-18	5.51E-19	2.31E-14	1.13E-13
Selenium	Air	high. pop.	kg	3.27E-14		7.94E-12	7.07E-12	9.18E-17	3.67E-17	8.83E-12	6.57E-11
Silicon	Air	high. pop.	kg	3.69E-12		4.79E-11	3.12E-10	2.11E-14	8.44E-15	3.74E-10	1.90E-09
Silver	Air	high. pop.	kg	5.41E-20		6.08E-18	8.08E-19	1.28E-21	5.10E-22	2.82E-17	9.56E-17
Sodium	Air	high. pop.	kg	2.05E-12		4.66E-10	3.71E-10	7.44E-15	2.97E-15	5.49E-10	4.03E-09
Sodium chlorate	Air	high. pop.	kg	4.38E-16		4.44E-13	5.53E-14	3.36E-17	1.35E-17	6.49E-13	3.26E-12
Sodium dichromate	Air	high. pop.	kg	6.42E-15		1.54E-13	2.93E-14	1.29E-16	5.16E-17	7.26E-13	1.66E-12
Sodium formate	Air	high. pop.	kg	1.01E-17		1.71E-15	4.09E-15	5.83E-18	2.33E-18	3.91E-14	6.50E-14
Strontium	Air	high. pop.	kg	2.75E-15		4.31E-13	3.71E-12	2.08E-16	8.33E-17	3.51E-12	1.70E-11
Sulfate	Air	high. pop.	kg	1.69E-12		9.62E-10	8.58E-10	1.17E-13	4.68E-14	3.33E-09	9.79E-09
Sulfur dioxide	Air	high. pop.	kg	1.35E-09		4.92E-07	6.91E-07	1.18E-11	4.72E-12	5.94E-07	2.41E-06
t-Butyl methyl ether	Air	high. pop.	kg	7.98E-17		2.28E-14	5.68E-14	4.73E-16	1.89E-16	1.51E-12	1.88E-12
Thallium	Air	high. pop.	kg	2.30E-17		3.71E-15	3.09E-14	1.79E-18	7.14E-19	3.00E-14	1.43E-13
Thorium	Air	high. pop.	kg	2.75E-17		4.31E-15	3.71E-14	2.08E-18	8.32E-19	3.50E-14	1.70E-13
Thorium-228	Air	high. pop.	Bq	7.95E-11		1.25E-08	1.07E-07	6.01E-12	2.40E-12	1.01E-07	4.93E-07
Thorium-232	Air	high. pop.	Bq	5.05E-11		7.94E-09	6.82E-08	3.83E-12	1.53E-12	6.45E-08	3.13E-07
Tin	Air	high. pop.	kg	8.44E-17		7.38E-15	1.47E-14	5.00E-18	2.00E-18	7.15E-14	2.13E-13
Titanium	Air	high. pop.	kg	5.83E-15		9.53E-13	7.44E-12	5.23E-16	2.09E-16	3.05E-11	5.97E-11
Toluene	Air	high. pop.	kg	1.38E-12		3.96E-09	2.91E-10	9.13E-13	3.65E-13	5.33E-09	1.23E-08
Uranium	Air	high. pop.	kg	3.65E-17		5.74E-15	4.94E-14	2.77E-18	1.11E-18	4.67E-14	2.27E-13
Uranium-238	Air	high. pop.	Bq	1.44E-10		2.27E-08	1.96E-07	1.09E-11	4.37E-12	1.84E-07	8.97E-07
Vanadium	Air	high. pop.	kg	6.74E-12		5.31E-10	1.33E-09	1.46E-14	5.84E-15	7.35E-10	1.13E-08
Xylene	Air	high. pop.	kg	8.27E-13		2.55E-09	1.83E-10	6.33E-15	2.53E-15	3.40E-09	6.87E-09
Zinc	Air	high. pop.	kg	1.65E-13		2.83E-11	3.59E-11	1.44E-15	5.75E-16	1.54E-10	4.17E-10
Acetone	Air	low. pop.	kg	5.16E-14		5.00E-12	1.72E-12	1.14E-15	4.55E-16	1.97E-11	4.41E-11
Acrolein	Air	low. pop.	kg	6.37E-17		6.17E-15	2.11E-15	1.40E-18	5.62E-19	2.43E-14	5.44E-14
Actinides, radioactive, unspe	Air	low. pop.	Bq	1.44E-13		1.40E-11	4.87E-12	3.20E-15	1.28E-15	6.80E-11	1.37E-10
Aerosols, radioactive, unspec	Air	low. pop.	Bq	2.78E-09		2.70E-07	9.34E-08	6.10E-11	2.44E-11	1.27E-06	2.60E-06
Aldehydes, unspecified	Air	low. pop.	kg	5.20E-15		5.05E-13	1.77E-13	1.17E-16	4.68E-17	2.84E-12	5.36E-12
Aluminum	Air	low. pop.	kg	4.30E-15		3.99E-12	1.67E-12	1.29E-15	5.16E-16	5.16E-11	2.10E-10
Ammonia	Air	low. pop.	kg	1.90E-12		1.70E-09	3.68E-09	7.21E-14	2.88E-14	3.00E-08	3.87E-08
Antimony	Air	low. pop.	kg	1.30E-14		5.69E-13	1.73E-12	6.33E-16	2.53E-16	1.58E-11	2.95E-11

			Production du coton							Productio n du coton
			Défoliant	Metaux dans l'eau	Diesel	Electricité	Gaz	GPL	Transport	TOTAL
Antimony-124	Air	low. pop.	Bq	1.34E-14		1.45E-12	6.34E-13	4.82E-16	1.93E-16	4.40E-11	5.34E-11
Antimony-125	Air	low. pop.	Bq	1.40E-13		1.52E-11	6.62E-12	5.00E-15	2.00E-15	4.60E-10	5.58E-10
Argon-41	Air	low. pop.	Bq	1.76E-06		1.70E-04	5.87E-05	3.93E-08	1.57E-08	7.10E-04	1.55E-03
Arsenic	Air	low. pop.	kg	9.21E-14		5.22E-12	1.83E-11	4.96E-15	1.98E-15	9.83E-11	2.22E-10
Barium	Air	low. pop.	kg	3.93E-14		3.84E-12	9.84E-11	8.63E-16	3.45E-16	1.51E-11	1.31E-10
Barium-140	Air	low. pop.	Bq	9.07E-12		9.88E-10	4.29E-10	3.27E-13	1.31E-13	2.99E-08	3.62E-08
Benzene	Air	low. pop.	kg	1.87E-12		2.71E-10	1.22E-09	4.21E-14	1.68E-14	4.17E-09	6.54E-09
Benzo(a)pyrene	Air	low. pop.	kg	9.53E-15		9.49E-13	3.24E-13	2.15E-16	8.59E-17	3.82E-12	8.41E-12
Beryllium	Air	low. pop.	kg	3.39E-17		3.48E-15	1.92E-15	3.06E-18	1.22E-18	3.79E-14	1.08E-13
Boron	Air	low. pop.	kg	4.01E-12		3.87E-10	1.47E-09	8.67E-14	3.47E-14	1.44E-09	4.67E-09
Bromine	Air	low. pop.	kg	2.44E-13		2.36E-11	6.52E-10	5.32E-15	2.13E-15	9.08E-11	8.51E-10
Butadiene	Air	low. pop.	kg	1.55E-20		5.00E-18	3.32E-19	2.97E-23	1.19E-23	4.62E-18	1.36E-17
Butane	Air	low. pop.	kg	1.28E-12		7.64E-10	8.88E-10	6.38E-12	2.55E-12	8.05E-10	4.69E-09
Cadmium	Air	low. pop.	kg	2.90E-14		1.15E-12	1.52E-12	1.57E-15	6.28E-16	5.37E-11	8.61E-11
Calcium	Air	low. pop.	kg	6.26E-16		5.13E-13	3.02E-13	1.59E-16	6.37E-17	6.22E-12	1.06E-10
Carbon-14	Air	low. pop.	Bq	1.17E-05		1.13E-03	3.95E-04	2.61E-07	1.04E-07	6.54E-03	1.22E-02
Carbon dioxide, biogenic	Air	low. pop.	kg	1.05E-10		1.16E-08	1.99E-08	3.75E-12	1.50E-12	7.27E-08	1.57E-07
Carbon dioxide, fossil	Air	low. pop.	kg	2.54E-07		8.63E-05	4.60E-04	1.43E-08	5.71E-09	4.19E-04	1.09E-03
Carbon disulfide	Air	low. pop.	kg	2.29E-12		1.77E-10	1.04E-10	2.02E-13	8.08E-14	8.01E-09	1.27E-08
Carbon monoxide, biogenic	Air	low. pop.	kg	5.03E-14		1.54E-11	7.24E-11	1.10E-14	4.39E-15	4.48E-10	6.29E-10
Carbon monoxide, fossil	Air	low. pop.	kg	1.39E-10		1.71E-07	8.99E-08	2.45E-11	9.80E-12	7.43E-07	1.15E-06
Cerium-141	Air	low. pop.	Bq	2.20E-12		2.39E-10	1.04E-10	7.94E-14	3.18E-14	7.25E-09	8.79E-09
Cesium-134	Air	low. pop.	Bq	1.05E-13		1.15E-11	5.00E-12	3.80E-15	1.52E-15	3.47E-10	4.21E-10
Cesium-137	Air	low. pop.	Bq	1.87E-12		2.03E-10	8.86E-11	6.75E-14	2.70E-14	6.15E-09	7.46E-09
Chlorine	Air	low. pop.	kg	6.57E-20		1.50E-17	2.76E-17	2.33E-20	9.33E-21	8.55E-16	1.07E-15
Chromium	Air	low. pop.	kg	2.94E-13		2.21E-11	2.53E-11	2.63E-14	1.05E-14	1.91E-10	2.37E-09
Chromium-51	Air	low. pop.	Bq	1.41E-13		1.53E-11	6.68E-12	5.09E-15	2.04E-15	4.64E-10	5.63E-10
Chromium VI	Air	low. pop.	kg	7.69E-15		5.65E-13	1.49E-12	6.61E-16	2.64E-16	4.59E-12	6.00E-11
Cobalt	Air	low. pop.	kg	7.71E-15		1.36E-12	4.92E-12	6.70E-16	2.68E-16	9.94E-12	1.50E-10
Cobalt-58	Air	low. pop.	Bq	1.96E-13		2.14E-11	9.31E-12	7.07E-15	2.83E-15	6.47E-10	7.85E-10
Cobalt-60	Air	low. pop.	Bq	1.73E-12		1.89E-10	8.22E-11	6.24E-14	2.50E-14	5.71E-09	6.93E-09
Copper	Air	low. pop.	kg	2.83E-13		1.99E-11	2.38E-11	1.67E-14	6.66E-15	2.20E-10	6.45E-10
Cyanide	Air	low. pop.	kg	7.20E-15		6.17E-13	3.10E-13	3.78E-16	1.51E-16	3.56E-12	2.94E-11
Dinitrogen monoxide	Air	low. pop.	kg	5.46E-12		1.91E-09	1.26E-08	1.86E-13	7.44E-14	9.54E-09	2.67E-08
Dioxins, measured as 2,3,7,8	Air	low. pop.	kg	2.04E-17		1.63E-15	3.28E-14	6.20E-19	2.48E-19	9.00E-15	5.38E-14
Ethane	Air	low. pop.	kg	2.25E-11		3.24E-09	1.54E-08	5.00E-11	2.00E-11	5.61E-09	6.58E-08
Ethane, 1,1,1,2-tetrafluoro-, H	Air	low. pop.	kg	2.73E-16		2.66E-14	9.38E-15	6.29E-18	2.52E-18	1.56E-13	2.89E-13
Ethane, 1,2-dichloro-1,1,2,2-t	Air	low. pop.	kg	2.69E-15		2.63E-13	9.26E-14	6.24E-17	2.50E-17	1.61E-12	2.93E-12
Ethanol	Air	low. pop.	kg	1.42E-15		1.38E-13	4.87E-14	3.27E-17	1.31E-17	7.98E-13	1.49E-12
Ethene	Air	low. pop.	kg	1.19E-14		1.10E-11	5.04E-12	3.65E-15	1.46E-15	1.47E-10	2.01E-10
Ethylene oxide	Air	low. pop.	kg	1.51E-19		4.83E-17	3.22E-18	2.88E-22	1.15E-22	4.47E-17	1.31E-16
Ethyne	Air	low. pop.	kg	3.67E-16		3.52E-13	1.35E-13	1.14E-16	4.55E-17	4.59E-12	6.28E-12
Fluorine	Air	low. pop.	kg	1.07E-14		9.40E-13	5.79E-13	1.02E-15	4.09E-16	1.06E-11	3.45E-11
Formaldehyde	Air	low. pop.	kg	1.41E-13		1.67E-11	2.74E-10	7.80E-15	3.12E-15	8.04E-11	5.30E-10
Heat, waste	Air	low. pop.	MJ	3.97E-06		1.39E-03	2.82E-03	1.80E-07	7.21E-08	3.84E-03	9.89E-03
Helium	Air	low. pop.	kg	3.85E-13		1.15E-09	8.42E-11	5.14E-15	2.06E-15	3.23E-09	4.84E-09
Hexane	Air	low. pop.	kg	1.12E-13		1.09E-11	3.82E-12	2.52E-15	1.01E-15	6.12E-11	1.16E-10
Hydrocarbons, aliphatic, alka	Air	low. pop.	kg	1.96E-12		1.70E-10	1.93E-09	1.62E-12	6.50E-13	4.60E-10	5.21E-09
Hydrocarbons, aliphatic, unsa	Air	low. pop.	kg	4.71E-13		4.57E-11	1.01E-09	1.06E-14	4.24E-15	1.85E-10	1.41E-09
Hydrocarbons, aromatic	Air	low. pop.	kg	7.77E-13		6.51E-11	4.72E-10	8.44E-13	3.38E-13	1.45E-10	1.98E-09
Hydrogen-3, Tritium	Air	low. pop.	Bq	6.71E-05		6.51E-03	2.25E-03	1.48E-06	5.91E-07	3.23E-02	6.45E-02
Hydrogen chloride	Air	low. pop.	kg	1.84E-11		1.99E-09	2.82E-08	3.95E-13	1.58E-13	1.08E-08	4.75E-08
Hydrogen fluoride	Air	low. pop.	kg	4.45E-12		4.53E-10	1.07E-08	9.73E-14	3.89E-14	2.07E-09	1.58E-08
Hydrogen sulfide	Air	low. pop.	kg	3.27E-12		6.90E-11	2.23E-09	3.66E-12	1.47E-12	5.23E-10	8.89E-09
Iodine	Air	low. pop.	kg	1.35E-13		1.31E-11	2.86E-10	2.93E-15	1.17E-15	4.95E-11	3.95E-10
Iodine-129	Air	low. pop.	Bq	1.17E-08		1.14E-06	3.98E-07	2.61E-10	1.04E-10	5.84E-06	1.15E-05
Iodine-131	Air	low. pop.	Bq	6.97E-07		6.73E-05	2.32E-05	1.56E-08	6.22E-09	2.76E-04	6.07E-04
Iodine-133	Air	low. pop.	Bq	1.08E-11		1.18E-09	5.15E-10	3.91E-13	1.56E-13	3.57E-08	4.33E-08
Iron	Air	low. pop.	kg	1.69E-09		1.62E-06	6.20E-07	5.23E-10	2.09E-10	2.11E-05	2.89E-05
Krypton-85	Air	low. pop.	Bq	5.51E-06		5.35E-04	1.84E-04	1.23E-07	4.92E-08	2.24E-03	4.86E-03
Krypton-85m	Air	low. pop.	Bq	2.19E-07		2.28E-05	9.14E-06	6.65E-09	2.66E-09	4.65E-04	5.99E-04
Krypton-87	Air	low. pop.	Bq	9.62E-08		9.66E-06	3.62E-06	2.54E-09	1.02E-09	1.22E-04	1.75E-04
Krypton-88	Air	low. pop.	Bq	9.09E-08		9.27E-06	3.57E-06	2.55E-09	1.02E-09	1.47E-04	1.99E-04
Krypton-89	Air	low. pop.	Bq	2.07E-08		2.20E-06	9.20E-07	6.84E-10	2.74E-10	5.55E-05	6.91E-05
Lanthanum-140	Air	low. pop.	Bq	7.75E-13		8.41E-11	3.67E-11	2.79E-14	1.12E-14	2.55E-09	3.10E-09
Lead	Air	low. pop.	kg	3.04E-13		2.25E-11	6.05E-11	1.89E-14	7.56E-15	2.44E-09	3.05E-09
Lead-210	Air	low. pop.	Bq	5.06E-08		4.92E-06	9.86E-05	1.09E-09	4.37E-10	2.04E-05	3.66E-04
Magnesium	Air	low. pop.	kg	1.59E-15		1.44E-12	6.49E-13	4.64E-16	1.85E-16	1.85E-11	1.09E-10
Manganese	Air	low. pop.	kg	4.49E-14		2.56E-12	2.52E-11	2.59E-15	1.04E-15	2.90E-11	1.07E-10
Manganese-54	Air	low. pop.	Bq	7.22E-14		7.85E-12	3.42E-12	2.60E-15	1.04E-15	2.38E-10	2.89E-10
Mercury	Air	low. pop.	kg	1.06E-14		4.06E-12	1.96E-11	5.87E-16	2.35E-16	1.36E-11	4.70E-11
Methane, biogenic	Air	low. pop.	kg	1.30E-12		2.90E-10	2.68E-09	1.31E-13	5.25E-14	1.12E-09	6.17E-09
Methane, bromochlorodifluor	Air	low. pop.	kg	6.33E-15		2.27E-13	4.70E-12	8.12E-15	3.25E-15	9.71E-13	1.86E-11
Methane, bromotrifluoro-, Hal	Air	low. pop.	kg	5.37E-15		1.65E-11	1.17E-12	3.71E-17	1.48E-17	2.65E-11	4.90E-11
Methane, chlorodifluoro-, HCl	Air	low. pop.	kg	2.61E-14		1.07E-12	1.62E-11	2.81E-14	1.12E-14	4.80E-12	6.68E-11
Methane, dichlorodifluoro-, C	Air	low. pop.	kg	2.65E-17		2.22E-15	1.61E-14	2.88E-17	1.15E-17	4.94E-15	6.77E-14
Methane, fossil	Air	low. pop.	kg	1.35E-09		7.64E-07	1.98E-06	1.34E-09	5.38E-10	2.27E-06	6.72E-06
Methanol	Air	low. pop.	kg	2.41E-14		3.45E-11	4.09E-12	4.25E-15	1.70E-15	1.22E-10	2.03E-10
Molybdenum	Air	low. pop.	kg	2.31E-15		2.24E-13	2.30E-12	4.96E-17	1.98E-17	8.15E-13	4.13E-12
Nickel	Air	low. pop.	kg	2.19E-13		9.23E-11	1.04E-10	1.04E-14	4.15E-15	1.69E-09	2.23E-09
Niobium-95	Air	low. pop.	Bq	8.57E-15		9.32E-13	4.06E-13	3.08E-16	1.23E-16	2.83E-11	3.43E-11
Nitrogen oxides	Air	low. pop.	kg	5.61E-10		5.56E-07	9.54E-07	3.76E-11	1.50E-11	4.68E-06	6.76E-06
NMVOC, non-methane volatil	Air	low. pop.	kg	2.50E-10		4.92E-07	9.07E-08	8.95E-11	3.58E-11	1.25E-06	2.13E-06
Noble gases, radioactive, uns	Air	low. pop.	Bq	1.13E-01		1.10E+01	3.82E+00	2.51E-03	1.00E-03	5.61E+01	1.11E+02
PAH, polycyclic aromatic hyd	Air	low. pop.	kg	9.99E-15		1.04E-11	1.18E-11	3.19E-16	1.28E-16	1.50E-10	1.86E-10
Particulates, < 2.5 um	Air	low. pop.	kg	1.01E-10		4.92E-08	9.54E-08	4.82E-12	1.93E-12	2.43E-07	5.14E-07
Particulates, > 10 um	Air	low. pop.	kg	3.27E-10		7.16E-08	6.41E-07	1.44E-11	5.75E-12	8.07E-07	1.90E-06
Particulates, > 2.5 um, and <	Air	low. pop.	kg	9.99E-11		4.30E-08	7.26E-08	8.63E-12	3.45E-12	6.29E-07	9.71E-07
Pentane	Air	low. pop.	kg	3.20E-13		3.09E-11	6.88E-10	7.11E-15	2.85E-15	1.22E-10	9.52E-10
Phenol	Air	low. pop.	kg	7.83E-15		2.51E-12	9.80E-13	2.78E-15	1.11E-15	1.79E-11	8.65E-11
Phenol, pentachloro-	Air	low. pop.	kg	4.20E-15		4.06E-13	1.39E-13	9.23E-17	3.69E-17	1.60E-12	3.58E-12
Phosphorus	Air	low. pop.	kg	8.04E-17		2.86E-14	1.07E-14	8.77E-18	3.51E-18	3.24E-13	4.62E-13
Plutonium-238	Air	low. pop.	Bq	1.61E-15		1.56E-13	5.41E-14	3.56E-17	1.42E-17	7.97E-13	1.57E-12
Plutonium-alpha	Air	low. pop.	Bq	3.69E-15		3.58E-13	1.24E-13	8.17E-17	3.27E-17	1.83E-12	3.60E-12
Polonium-210	Air	low. pop.	Bq	8.85E-08		8.58E-06	1.81E-04	1.91E-09	7.64E-10	3.51E-05	4.80E-04

			Production du coton							Productio n du coton
			Défoliant	Metaux dans l'eau	Diesel	Electricité	Gaz	GPL	Transport	TOTAL
Potassium	Air	low. pop.	kg	5.49E-16		4.79E-13	2.13E-13	1.70E-16	6.79E-17	6.75E-12	9.18E-12
Potassium-40	Air	low. pop.	Bq	1.03E-08		9.92E-07	3.01E-05	2.22E-10	8.87E-11	3.82E-06	3.84E-05
Propane	Air	low. pop.	kg	6.86E-12		1.56E-09	4.75E-09	1.83E-11	7.33E-12	2.15E-09	2.10E-08
Propene	Air	low. pop.	kg	3.55E-14		4.07E-12	7.53E-11	1.01E-15	4.02E-16	2.25E-11	1.16E-10
Protactinium-234	Air	low. pop.	Bq	1.60E-09		1.55E-07	5.42E-08	3.58E-11	1.43E-11	8.71E-07	1.65E-06
Radioactive species, other be	Air	low. pop.	Bq	8.10E-11		7.85E-09	2.70E-09	1.81E-12	7.25E-13	3.35E-08	7.20E-08
Radium-226	Air	low. pop.	Bq	6.44E-08		6.34E-06	2.72E-05	1.44E-09	5.76E-10	3.33E-05	4.89E-04
Radium-228	Air	low. pop.	Bq	3.84E-09		3.71E-07	9.98E-06	8.22E-11	3.29E-11	1.41E-06	1.31E-05
Radon-222	Air	low. pop.	Bq	4.94E-03		4.92E-01	1.71E-01	1.12E-04	4.46E-05	2.71E+00	5.13E+00
Ruthenium-103	Air	low. pop.	Bq	1.89E-15		2.04E-13	8.92E-14	6.79E-17	2.72E-17	6.21E-12	7.53E-12
Scandium	Air	low. pop.	kg	9.62E-19		9.15E-16	3.50E-16	2.97E-19	1.19E-19	1.20E-14	1.64E-14
Selenium	Air	low. pop.	kg	2.96E-14		3.60E-12	3.58E-11	9.23E-16	3.69E-16	3.75E-11	9.42E-11
Silicon	Air	low. pop.	kg	1.23E-14		7.20E-12	4.85E-12	4.11E-15	1.64E-15	1.57E-10	2.05E-10
Silicon tetrafluoride	Air	low. pop.	kg	2.70E-17		3.96E-14	4.56E-15	2.74E-18	1.10E-18	4.96E-14	2.83E-13
Silver	Air	low. pop.	kg	1.74E-19		1.96E-17	1.91E-17	4.39E-21	1.76E-21	7.66E-17	1.21E-14
Silver-110	Air	low. pop.	Bq	1.87E-14		2.03E-12	8.84E-13	6.70E-16	2.68E-16	6.15E-11	7.46E-11
Sodium	Air	low. pop.	kg	2.54E-16		2.36E-13	1.24E-13	7.66E-17	3.07E-17	3.04E-12	4.22E-12
Strontium	Air	low. pop.	kg	3.84E-14		3.75E-12	1.03E-10	8.31E-16	3.32E-16	1.44E-11	1.35E-10
Styrene	Air	low. pop.	kg	5.35E-17		5.18E-15	1.78E-15	1.17E-18	4.70E-19	2.04E-14	4.57E-14
Sulfur dioxide	Air	low. pop.	kg	1.63E-09		1.41E-06	1.63E-06	1.45E-10	5.80E-11	4.99E-06	9.32E-06
Sulfur hexafluoride	Air	low. pop.	kg	4.07E-18		4.49E-16	1.65E-15	1.13E-19	4.52E-20	2.83E-15	9.73E-15
Thallium	Air	low. pop.	kg	2.10E-18		4.11E-16	1.50E-16	1.16E-19	4.64E-20	3.73E-15	5.72E-15
Thorium	Air	low. pop.	kg	9.62E-19		9.15E-16	3.50E-16	2.97E-19	1.19E-19	1.20E-14	1.64E-14
Thorium-228	Air	low. pop.	Bq	2.06E-09		2.00E-07	5.37E-06	4.43E-11	1.77E-11	7.60E-07	7.04E-06
Thorium-230	Air	low. pop.	Bq	5.96E-09		6.47E-07	2.09E-07	1.38E-10	5.51E-11	3.32E-06	3.82E-04
Thorium-232	Air	low. pop.	Bq	3.25E-09		3.14E-07	8.45E-06	6.98E-11	2.79E-11	1.19E-06	1.51E-05
Thorium-234	Air	low. pop.	Bq	1.60E-09		1.55E-07	5.42E-08	3.58E-11	1.43E-11	8.71E-07	1.65E-06
Tin	Air	low. pop.	kg	1.27E-14		8.20E-13	5.03E-13	8.81E-16	3.52E-16	1.07E-11	3.74E-11
Titanium	Air	low. pop.	kg	1.47E-16		1.41E-13	5.39E-14	4.57E-17	1.83E-17	1.84E-12	2.52E-12
Toluene	Air	low. pop.	kg	2.72E-13		6.25E-11	5.80E-10	6.24E-15	2.50E-15	1.56E-09	2.39E-09
Uranium	Air	low. pop.	kg	4.87E-19		4.66E-16	1.78E-16	1.51E-19	6.04E-20	6.07E-15	8.31E-15
Uranium-234	Air	low. pop.	Bq	1.87E-08		1.89E-06	6.41E-07	4.23E-10	1.69E-10	1.02E-05	3.95E-04
Uranium-235	Air	low. pop.	Bq	9.05E-10		8.80E-08	3.07E-08	2.03E-11	8.13E-12	4.93E-07	9.32E-07
Uranium-238	Air	low. pop.	Bq	2.71E-08		2.70E-06	2.17E-05	6.06E-10	2.42E-10	1.33E-05	4.22E-04
Uranium alpha	Air	low. pop.	Bq	8.71E-08		8.50E-06	2.96E-06	1.96E-09	7.82E-10	4.75E-05	8.98E-05
Vanadium	Air	low. pop.	kg	1.40E-14		1.31E-12	2.03E-11	3.20E-16	1.28E-16	5.14E-12	3.19E-11
water	Air	low. pop.	kg	1.02E-15		3.27E-13	2.17E-14	1.95E-18	7.78E-19	3.03E-13	8.89E-13
Xenon-131m	Air	low. pop.	Bq	4.35E-07		4.40E-05	1.66E-05	1.18E-08	4.72E-09	6.13E-04	8.54E-04
Xenon-133	Air	low. pop.	Bq	1.36E-05		1.38E-03	5.31E-04	3.79E-07	1.52E-07	2.16E-02	2.93E-02
Xenon-133m	Air	low. pop.	Bq	6.48E-08		6.34E-06	2.24E-06	1.51E-09	6.06E-10	4.07E-05	7.26E-05
Xenon-135	Air	low. pop.	Bq	5.59E-06		5.69E-04	2.18E-04	1.55E-07	6.21E-08	8.72E-03	1.19E-02
Xenon-135m	Air	low. pop.	Bq	3.27E-06		3.33E-04	1.28E-04	9.18E-08	3.67E-08	5.37E-03	7.24E-03
Xenon-137	Air	low. pop.	Bq	5.68E-08		6.04E-06	2.52E-06	1.88E-09	7.53E-10	1.52E-04	1.89E-04
Xenon-138	Air	low. pop.	Bq	5.24E-07		5.48E-05	2.21E-05	1.62E-08	6.50E-09	1.18E-03	1.50E-03
Xylene	Air	low. pop.	kg	2.04E-12		2.33E-10	4.39E-09	4.54E-14	1.82E-14	2.23E-09	7.65E-09
Zinc	Air	low. pop.	kg	2.76E-13		3.91E-11	1.14E-10	2.10E-14	8.41E-15	2.34E-09	3.23E-09
Zinc-65	Air	low. pop.	Bq	3.61E-13		3.92E-11	1.71E-11	1.30E-14	5.20E-15	1.19E-09	1.44E-09
Zirconium	Air	low. pop.	kg	1.18E-17		1.13E-14	4.32E-15	3.66E-18	1.46E-18	1.47E-13	2.01E-13
Zirconium-95	Air	low. pop.	Bq	3.52E-13		3.83E-11	1.67E-11	1.27E-14	5.07E-15	1.16E-09	1.41E-09
Radon-222	Air	low. pop.	Bq	2.07E-01		2.01E+01	7.03E+00	4.64E-03	1.85E-03	1.13E+02	2.13E+02
Benzene	Air	stratospl	kg	9.99E-20		3.21E-17	2.14E-18	1.91E-22	7.66E-23	2.97E-17	8.73E-17
Butadiene	Air	stratospl	kg	9.44E-20		3.05E-17	2.02E-18	1.81E-22	7.25E-23	2.81E-17	8.26E-17
Cadmium	Air	stratospl	kg	5.00E-23		1.61E-20	1.07E-21	9.59E-26	3.84E-26	1.48E-20	4.37E-20
Carbon dioxide, fossil	Air	stratospl	kg	1.57E-14		5.09E-12	3.37E-13	3.02E-17	1.21E-17	4.69E-12	1.38E-11
Carbon monoxide, fossil	Air	stratospl	kg	1.85E-17		5.95E-15	3.96E-16	3.54E-20	1.42E-20	5.50E-15	1.62E-14
Chromium	Air	stratospl	kg	2.50E-22		8.02E-20	5.35E-21	4.77E-25	1.91E-25	7.43E-20	2.18E-19
Copper	Air	stratospl	kg	8.50E-21		2.74E-18	1.82E-19	1.63E-23	6.52E-24	2.53E-18	7.44E-18
Dinitrogen monoxide	Air	stratospl	kg	1.50E-19		4.83E-17	3.21E-18	2.87E-22	1.15E-22	4.46E-17	1.31E-16
Ethylene oxide	Air	stratospl	kg	9.16E-19		2.95E-16	1.96E-17	1.75E-21	7.01E-22	2.73E-16	8.00E-16
Formaldehyde	Air	stratospl	kg	7.84E-19		2.53E-16	1.68E-17	1.51E-21	6.02E-22	2.33E-16	6.86E-16
Heat, waste	Air	stratospl	MJ	2.28E-13		7.33E-11	4.87E-12	4.36E-16	1.74E-16	6.77E-11	1.99E-10
Hydrogen chloride	Air	stratospl	kg	4.30E-21		1.38E-18	9.20E-20	8.22E-24	3.29E-24	1.28E-18	3.75E-18
Lead	Air	stratospl	kg	9.99E-23		3.21E-20	2.14E-21	1.91E-25	7.66E-26	2.97E-20	8.73E-20
Mercury	Air	stratospl	kg	3.50E-25		1.13E-22	7.49E-24	6.70E-28	2.68E-28	1.04E-22	3.05E-22
Methane, fossil	Air	stratospl	kg	2.50E-19		8.02E-17	5.35E-18	4.77E-22	1.91E-22	7.43E-17	2.18E-16
Nickel	Air	stratospl	kg	3.50E-22		1.13E-19	7.49E-21	6.70E-25	2.68E-25	1.04E-19	3.05E-19
Nitrogen oxides	Air	stratospl	kg	7.01E-17		2.26E-14	1.50E-15	1.34E-19	5.38E-20	2.09E-14	6.14E-14
NMVOC, non-methane volatil	Air	stratospl	kg	3.36E-18		1.08E-15	7.15E-17	6.43E-21	2.57E-21	9.96E-16	2.93E-15
Particulates, < 2.5 um	Air	stratospl	kg	1.90E-19		6.13E-17	4.06E-18	3.63E-22	1.45E-22	5.65E-17	1.66E-16
Selenium	Air	stratospl	kg	5.00E-23		1.61E-20	1.07E-21	9.59E-26	3.84E-26	1.48E-20	4.37E-20
Sulfur dioxide	Air	stratospl	kg	5.00E-18		1.61E-15	1.07E-16	9.59E-21	3.84E-21	1.48E-15	4.37E-15
water	Air	stratospl	kg	6.18E-15		1.99E-12	1.32E-13	1.18E-17	4.74E-18	1.84E-12	5.41E-12
Zinc	Air	stratospl	kg	5.00E-21		1.61E-18	1.07E-19	9.59E-24	3.84E-24	1.48E-18	4.37E-18
Aluminum	Water		kg	2.25E-15		4.53E-12	9.49E-13	1.26E-15	5.05E-16	1.89E-11	2.89E-11
AOX, Adsorbable Organic Ha	Water		kg	3.23E-17		5.82E-14	6.14E-15	5.78E-18	2.31E-18	2.11E-13	3.46E-13
Arsenic, ion	Water		kg	2.65E-14		2.67E-11	1.02E-11	8.12E-15	3.25E-15	3.50E-10	4.64E-10
BOD5, Biological Oxygen De	Water		kg	4.00E-11		4.04E-08	1.53E-08	1.23E-11	4.90E-12	5.29E-07	7.00E-07
Cadmium, ion	Water		kg	2.73E-14		2.78E-11	1.05E-11	8.40E-15	3.36E-15	3.72E-10	4.90E-10
Chloride	Water		kg	1.17E-09		2.68E-06	4.92E-07	7.48E-10	2.99E-10	7.24E-06	1.22E-05
Chromium VI	Water		kg	2.66E-14		2.69E-11	1.02E-11	8.17E-15	3.27E-15	3.52E-10	4.66E-10
Chromium, ion	Water		kg	3.08E-15		4.09E-12	1.22E-12	1.10E-15	4.39E-16	1.54E-10	1.74E-10
COD, Chemical Oxygen Dem	Water		kg	4.00E-11		4.05E-08	1.53E-08	1.23E-11	4.90E-12	5.29E-07	7.01E-07
Copper, ion	Water		kg	1.35E-13		1.36E-10	5.16E-11	4.12E-14	1.65E-14	1.98E-09	2.56E-09
Cyanide	Water		kg	2.65E-13		2.67E-10	1.02E-10	8.12E-14	3.25E-14	3.50E-09	4.64E-09
DOC, Dissolved Organic Carl	Water		kg	1.56E-11		1.58E-08	6.00E-09	4.82E-12	1.93E-12	2.07E-07	2.74E-07
Fluoride	Water		kg	1.64E-14		2.44E-11	2.79E-12	1.68E-15	6.70E-16	2.99E-11	1.73E-10
Formaldehyde	Water		kg	3.23E-15		5.82E-12	6.14E-13	5.78E-16	2.31E-16	2.11E-11	3.46E-11
Heat, waste	Water		MJ	7.05E-11		6.17E-08	2.21E-08	5.55E-12	2.22E-12	1.25E-05	1.34E-05
Hydrocarbons, unspecified	Water		kg	8.99E-15		1.30E-11	4.00E-12	3.72E-15	1.49E-15	9.54E-11	1.40E-10
Iron, ion	Water		kg	1.48E-12		2.15E-09	6.00E-10	6.20E-13	2.48E-13	1.58E-08	2.21E-08
Lead	Water		kg	5.48E-14		5.56E-11	2.10E-11	1.68E-14	6.74E-15	7.88E-10	1.03E-09
Manganese	Water		kg	2.91E-15		4.23E-12	1.30E-12	1.21E-15	4.83E-16	3.08E-11	4.51E-11
Mercury	Water		kg	2.79E-15		2.88E-12	1.08E-12	8.72E-16	3.49E-16	3.65E-11	4.86E-11
Methanol	Water		kg	9.71E-16		1.75E-12	1.84E-13	1.73E-16	6.94E-17	6.32E-12	1.04E-11
Nickel, ion	Water		kg	1.37E-13		1.40E-10	5.26E-11	4.23E-14	1.69E-14	1.91E-09	2.50E-09

			Production du coton							Productio n du coton
			Défoliant	Metaux dans l'eau	Diesel	Electricité	Gaz	GPL	Transport	TOTAL
Oils, unspecified	Water	kg	2.78E-12		2.89E-09	1.21E-09	8.17E-13	3.27E-13	3.88E-08	5.09E-08
Phenol	Water	kg	3.23E-16		5.82E-13	6.14E-14	5.78E-17	2.31E-17	2.11E-12	3.46E-12
Phosphorus	Water	kg	3.24E-16		5.82E-13	6.15E-14	5.78E-17	2.31E-17	2.11E-12	3.47E-12
Sodium, ion	Water	kg	5.51E-12		3.66E-09	9.34E-10	7.07E-13	2.83E-13	1.76E-06	1.84E-06
Sulfate	Water	kg	7.59E-15		1.73E-11	3.18E-12	4.82E-15	1.93E-15	4.67E-11	7.87E-11
Suspended solids, unspecifie	Water	kg	7.85E-13		1.11E-09	3.49E-10	3.18E-13	1.27E-13	8.37E-09	1.22E-08
TOC, Total Organic Carbon	Water	kg	1.56E-11		1.58E-08	6.00E-09	4.82E-12	1.93E-12	2.07E-07	2.74E-07
Zinc, ion	Water	kg	5.76E-13		5.69E-10	2.11E-10	1.66E-13	6.63E-14	1.84E-08	2.14E-08
Aluminum	Water	groundw kg	4.09E-13		3.97E-11	2.09E-10	9.04E-15	3.62E-15	1.61E-10	5.52E-10
Ammonium, ion	Water	groundw kg	5.87E-14		5.82E-12	1.97E-10	1.43E-15	5.71E-16	3.13E-11	2.57E-10
Antimony	Water	groundw kg	4.30E-14		4.15E-12	1.43E-12	9.09E-16	3.64E-16	1.45E-11	3.47E-11
Arsenic, ion	Water	groundw kg	2.01E-13		1.94E-11	6.69E-12	4.33E-15	1.73E-15	7.23E-11	1.67E-10
Barium	Water	groundw kg	8.30E-14		8.07E-12	2.83E-12	1.86E-15	7.45E-16	4.52E-11	8.55E-11
Beryllium	Water	groundw kg	6.07E-17		5.87E-15	2.02E-15	1.31E-18	5.23E-19	2.16E-14	5.02E-14
BOD5, Biological Oxygen De	Water	groundw kg	1.17E-14		1.15E-12	3.95E-11	2.85E-16	1.14E-16	6.16E-12	5.12E-11
Boron	Water	groundw kg	9.90E-14		9.53E-12	3.28E-12	2.15E-15	8.59E-16	3.65E-11	8.31E-11
Bromine	Water	groundw kg	9.34E-14		9.06E-12	3.12E-12	2.05E-15	8.19E-16	3.48E-11	7.91E-11
Cadmium, ion	Water	groundw kg	4.45E-17		4.36E-15	5.43E-15	1.01E-18	4.02E-19	2.42E-14	4.98E-14
Calcium, ion	Water	groundw kg	4.58E-13		4.49E-11	1.53E-11	1.00E-14	4.00E-15	1.71E-10	3.90E-10
Chloride	Water	groundw kg	6.92E-10		6.86E-08	2.27E-06	1.69E-11	6.76E-12	3.87E-07	3.00E-06
Chlorine	Water	groundw kg	4.70E-14		4.57E-12	1.60E-12	1.06E-15	4.22E-16	2.56E-11	4.85E-11
Chromium VI	Water	groundw kg	8.17E-14		7.89E-12	2.72E-12	1.76E-15	7.03E-16	2.90E-11	6.75E-11
Chromium, ion	Water	groundw kg	1.17E-14		1.14E-12	4.78E-13	2.64E-16	1.06E-16	6.42E-12	1.22E-11
Cobalt	Water	groundw kg	6.75E-16		6.56E-14	2.27E-14	1.48E-17	5.91E-18	3.00E-13	6.23E-13
COD, Chemical Oxygen Dem	Water	groundw kg	1.17E-14		1.15E-12	3.95E-11	2.85E-16	1.14E-16	6.16E-12	5.12E-11
Copper, ion	Water	groundw kg	4.01E-15		3.90E-13	5.27E-13	9.04E-17	3.62E-17	2.17E-12	4.52E-12
Fluoride	Water	groundw kg	2.16E-13		2.12E-11	5.94E-10	5.14E-15	2.06E-15	1.08E-10	8.04E-10
Iodide	Water	groundw kg	1.19E-14		1.16E-12	3.99E-13	2.60E-16	1.04E-16	4.43E-12	1.01E-11
Iron, ion	Water	groundw kg	2.02E-10		1.95E-08	7.09E-09	4.40E-12	1.76E-12	7.49E-08	1.71E-07
Lead	Water	groundw kg	2.78E-17		2.72E-15	7.91E-14	6.61E-19	2.64E-19	1.38E-14	1.06E-13
Lead-210	Water	groundw Bq	8.62E-12		1.27E-08	1.46E-09	8.77E-13	3.51E-13	1.59E-08	9.03E-08
Magnesium	Water	groundw kg	8.56E-14		8.28E-12	2.85E-12	1.86E-15	7.45E-16	3.18E-11	7.23E-11
Manganese	Water	groundw kg	8.97E-14		8.84E-12	2.76E-10	2.17E-15	8.67E-16	4.78E-11	3.67E-10
Mercury	Water	groundw kg	1.19E-19		1.15E-17	3.98E-18	2.61E-21	1.04E-21	4.43E-17	1.01E-16
Molybdenum	Water	groundw kg	2.22E-13		2.14E-11	7.36E-12	4.73E-15	1.89E-15	7.67E-11	1.81E-10
Nickel, ion	Water	groundw kg	6.68E-15		6.56E-13	1.99E-11	1.60E-16	6.41E-17	3.42E-12	2.65E-11
Nitrate	Water	groundw kg	2.64E-13		1.18E-10	2.94E-10	1.62E-13	6.48E-14	9.19E-09	7.32E-06
Phosphate	Water	groundw kg	7.96E-15		9.45E-13	4.63E-13	2.63E-16	1.05E-16	8.90E-12	2.52E-06
Polonium-210	Water	groundw Bq	1.31E-11		1.93E-08	2.22E-09	1.34E-12	5.34E-13	2.41E-08	1.37E-07
Potassium-40	Water	groundw Bq	1.05E-12		1.53E-09	1.76E-10	1.06E-13	4.24E-14	1.92E-09	1.09E-08
Potassium, ion	Water	groundw kg	2.03E-11		1.96E-09	6.74E-10	4.41E-13	1.76E-13	7.50E-09	2.99E-06
Radium-226	Water	groundw Bq	9.71E-12		1.42E-08	1.63E-09	9.82E-13	3.93E-13	1.78E-08	1.01E-07
Rubidium	Water	groundw kg	1.14E-15		1.11E-13	3.89E-14	2.57E-17	1.03E-17	6.23E-13	1.18E-12
Scandium	Water	groundw kg	8.45E-15		8.15E-13	2.81E-13	1.84E-16	7.36E-17	3.13E-12	7.12E-12
Selenium	Water	groundw kg	2.31E-14		2.23E-12	8.48E-13	4.96E-16	1.98E-16	8.25E-12	1.92E-11
Silicon	Water	groundw kg	1.62E-11		1.57E-09	5.40E-10	3.52E-13	1.41E-13	6.00E-09	1.36E-08
Silver, ion	Water	groundw kg	5.12E-17		4.96E-15	1.74E-15	1.15E-18	4.59E-19	2.79E-14	5.27E-14
Sodium, ion	Water	groundw kg	3.73E-11		3.61E-09	1.24E-09	8.12E-13	3.25E-13	1.39E-08	3.15E-08
Solids, inorganic	Water	groundw kg	4.45E-10		4.30E-08	2.49E-08	9.68E-12	3.87E-12	1.65E-07	3.85E-07
Solved solids	Water	groundw kg	1.26E-11		1.24E-09	4.25E-08	3.06E-13	1.22E-13	6.63E-09	5.52E-08
Strontium	Water	groundw kg	3.01E-13		2.96E-11	9.88E-10	7.30E-15	2.92E-15	1.59E-10	1.29E-09
Sulfate	Water	groundw kg	8.42E-10		8.15E-08	1.41E-07	1.84E-11	7.34E-12	3.14E-07	8.26E-07
Thallium	Water	groundw kg	1.80E-18		1.75E-16	6.02E-17	3.93E-20	1.57E-20	6.70E-16	1.52E-15
Thorium-228	Water	groundw Bq	1.05E-13		1.55E-10	1.79E-11	1.07E-14	4.30E-15	1.94E-10	1.11E-09
Tin, ion	Water	groundw kg	3.11E-17		3.04E-15	7.92E-14	7.34E-19	2.94E-19	1.52E-14	1.09E-13
Titanium, ion	Water	groundw kg	5.65E-14		5.48E-12	1.91E-12	1.26E-15	5.05E-16	2.96E-11	5.69E-11
Tungsten	Water	groundw kg	2.35E-14		2.27E-12	7.85E-13	5.14E-16	2.06E-16	8.80E-12	1.99E-11
Uranium-238	Water	groundw Bq	4.42E-12		6.51E-09	7.48E-10	4.50E-13	1.80E-13	8.13E-09	4.63E-08
Vanadium, ion	Water	groundw kg	3.00E-14		2.91E-12	1.01E-12	6.65E-16	2.66E-16	1.50E-11	2.94E-11
Zinc, ion	Water	groundw kg	1.43E-14		1.41E-12	2.00E-11	3.34E-16	1.33E-16	7.76E-12	3.44E-11
Aluminum	Water	groundw kg	3.49E-10		3.99E-08	1.68E-07	8.72E-12	3.49E-12	1.91E-07	5.57E-07
Ammonium, ion	Water	groundw kg	5.05E-14		8.24E-11	8.35E-11	4.06E-14	1.62E-14	9.24E-11	3.58E-10
Antimony	Water	groundw kg	1.22E-13		9.96E-12	1.76E-11	4.20E-15	1.68E-15	8.41E-11	5.37E-10
Arsenic, ion	Water	groundw kg	2.05E-15		3.41E-13	1.67E-12	1.29E-16	5.18E-17	2.53E-12	9.02E-12
Barium	Water	groundw kg	6.07E-12		6.34E-10	2.78E-10	1.46E-13	5.86E-14	2.46E-09	5.54E-09
Beryllium	Water	groundw kg	4.51E-14		4.36E-12	2.14E-11	1.02E-15	4.08E-16	1.68E-11	5.85E-11
BOD5, Biological Oxygen De	Water	groundw kg	1.46E-10		2.65E-08	8.10E-09	4.77E-12	1.91E-12	9.30E-08	2.03E-07
Boron	Water	groundw kg	8.29E-12		8.84E-10	1.32E-09	1.83E-13	7.31E-14	3.14E-09	8.19E-09
Bromine	Water	groundw kg	3.04E-14		1.29E-11	3.39E-11	1.52E-15	6.08E-16	7.81E-11	2.85E-10
Cadmium, ion	Water	groundw kg	1.96E-14		3.86E-12	2.57E-12	8.03E-16	3.21E-16	1.57E-11	3.29E-11
Calcium, ion	Water	groundw kg	1.36E-09		1.48E-07	8.99E-08	3.18E-11	1.27E-11	6.89E-07	1.95E-06
Chloride	Water	groundw kg	1.42E-11		2.58E-08	3.72E-09	1.67E-12	6.68E-13	3.79E-08	1.54E-04
Chromium VI	Water	groundw kg	1.48E-12		6.30E-10	5.45E-10	1.78E-13	7.12E-14	6.29E-09	1.11E-08
Cobalt	Water	groundw kg	8.73E-13		1.29E-10	8.32E-11	6.15E-14	2.46E-14	9.10E-10	3.72E-09
COD, Chemical Oxygen Dem	Water	groundw kg	1.85E-10		7.76E-08	2.47E-08	1.44E-11	5.75E-12	2.62E-07	5.62E-07
Copper, ion	Water	groundw kg	1.71E-12		1.78E-10	2.85E-10	5.51E-14	2.20E-14	1.32E-09	1.13E-08
DOC, Dissolved Organic Carl	Water	groundw kg	8.21E-11		3.63E-08	1.54E-08	8.17E-12	3.27E-12	1.10E-07	2.47E-07
Fluoride	Water	groundw kg	2.16E-12		9.62E-10	5.60E-10	1.23E-13	4.92E-14	8.02E-09	2.18E-08
Heat, waste	Water	groundw MJ	1.04E-09		1.83E-06	1.51E-06	8.26E-10	3.30E-10	1.97E-06	7.18E-06
Hydrogen sulfide	Water	groundw kg	2.13E-13		1.27E-10	2.25E-10	5.78E-14	2.31E-14	1.84E-10	8.78E-10
Iodide	Water	groundw kg	1.36E-19		4.36E-17	4.28E-16	1.76E-20	7.03E-21	8.79E-17	8.93E-16
Iron, ion	Water	groundw kg	2.22E-10		2.31E-08	9.85E-09	5.55E-12	2.22E-12	1.03E-07	2.40E-07
Lead	Water	groundw kg	2.90E-13		8.89E-11	8.71E-11	1.29E-14	5.16E-15	2.83E-10	6.73E-10
Magnesium	Water	groundw kg	1.88E-10		2.04E-08	2.66E-08	4.57E-12	1.83E-12	8.70E-08	2.54E-06
Manganese	Water	groundw kg	2.73E-12		3.87E-10	2.07E-10	1.02E-13	4.08E-14	2.48E-09	4.69E-09
Mercury	Water	groundw kg	2.35E-15		1.60E-12	6.68E-13	4.01E-16	1.60E-16	9.03E-12	1.44E-11
Molybdenum	Water	groundw kg	6.06E-16		1.90E-13	4.52E-13	3.32E-17	1.33E-17	6.65E-13	3.33E-12
Nickel, ion	Water	groundw kg	3.23E-12		8.07E-10	7.57E-10	3.12E-13	1.25E-13	6.14E-09	1.88E-08
Nitrate	Water	groundw kg	5.28E-12		6.73E-11	3.06E-11	3.08E-14	1.23E-14	7.84E-10	1.74E-09
Nitrite	Water	groundw kg	2.75E-15		4.49E-12	4.54E-12	2.20E-15	8.81E-16	5.02E-12	1.95E-11
Nitrogen, organic bound	Water	groundw kg	8.25E-14		1.35E-10	1.36E-10	6.61E-14	2.64E-14	1.51E-10	5.85E-10
Phosphate	Water	groundw kg	3.60E-11		3.97E-09	4.03E-09	1.01E-12	4.06E-13	3.07E-08	5.26E-08
Potassium, ion	Water	groundw kg	2.88E-11		5.65E-09	4.35E-08	8.81E-13	3.52E-13	1.83E-08	2.05E-06
Scandium	Water	groundw kg	5.38E-14		5.26E-12	1.27E-10	1.21E-15	4.85E-16	2.03E-11	1.74E-10
Selenium	Water	groundw kg	4.10E-14		4.04E-12	2.02E-11	1.05E-15	4.20E-16	1.92E-11	5.93E-11

				Production du coton							Productio n du coton
				Défoliant	Metaux dans l'eau	Diesel	Electricité	Gaz	GPL	Transport	TOTAL
Silicon	Water	groundw	kg	4.81E-09		4.49E-07	1.21E-06	1.14E-10	4.57E-11	2.65E-06	1.04E-05
Silver, ion	Water	groundw	kg	1.68E-16		3.73E-14	9.38E-14	6.84E-18	2.74E-18	4.75E-13	1.87E-12
Sodium, ion	Water	groundw	kg	4.31E-11		1.72E-08	2.47E-08	2.01E-12	8.02E-13	8.57E-08	7.87E-05
Strontium	Water	groundw	kg	4.76E-12		4.96E-10	2.31E-09	1.12E-13	4.48E-14	1.88E-09	6.40E-09
Sulfate	Water	groundw	kg	1.22E-09		1.38E-07	1.14E-07	2.91E-11	1.17E-11	5.02E-07	5.87E-05
Thallium	Water	groundw	kg	4.06E-15		4.40E-13	9.50E-12	1.17E-16	4.66E-17	2.10E-12	1.41E-11
Tin, ion	Water	groundw	kg	1.30E-13		1.70E-11	1.81E-11	6.01E-15	2.40E-15	7.56E-11	1.89E-10
Titanium, ion	Water	groundw	kg	9.44E-12		1.56E-09	8.64E-09	4.15E-13	1.66E-13	2.53E-08	4.39E-08
TOC, Total Organic Carbon	Water	groundw	kg	8.21E-11		3.63E-08	1.54E-08	8.17E-12	3.27E-12	1.10E-07	2.47E-07
Tungsten	Water	groundw	kg	4.83E-14		4.66E-12	4.69E-11	1.06E-15	4.24E-16	1.79E-11	8.64E-11
Vanadium, ion	Water	groundw	kg	1.05E-12		2.35E-10	8.52E-10	7.25E-14	2.90E-14	2.44E-09	4.46E-09
Zinc, ion	Water	groundw	kg	1.80E-12		4.01E-10	2.78E-10	7.16E-14	2.86E-14	4.30E-08	4.68E-08
Calcium, ion	Water	lake	kg	1.27E-12		2.59E-10	5.68E-11	1.01E-13	4.06E-14	5.92E-08	7.15E-08
DOC, Dissolved Organic Carl	Water	lake	kg	5.74E-16		1.32E-12	1.62E-13	1.41E-16	5.65E-17	4.17E-12	6.54E-12
Acenaphthene	Water	ocean	kg	2.05E-17		6.43E-14	4.51E-15	1.23E-19	4.92E-20	5.53E-14	1.42E-13
Acenaphthylene	Water	ocean	kg	1.29E-18		4.01E-15	2.82E-16	7.71E-21	3.08E-21	3.45E-15	8.85E-15
Actinides, radioactive, unspe	Water	ocean	Bq	1.91E-08		1.86E-06	6.45E-07	4.24E-10	1.69E-10	9.49E-06	1.87E-05
Aluminum	Water	ocean	kg	9.71E-13		1.89E-09	4.18E-10	5.32E-13	2.13E-13	2.06E-09	5.66E-09
Ammonium, ion	Water	ocean	kg	3.35E-13		1.38E-09	5.16E-11	2.20E-15	8.79E-16	1.07E-09	2.76E-09
AOX, Adsorbable Organic Ha	Water	ocean	kg	1.24E-15		3.96E-12	2.76E-13	4.20E-17	1.68E-17	3.36E-12	8.68E-12
Arsenic, ion	Water	ocean	kg	2.84E-15		6.86E-12	8.37E-13	6.01E-16	2.40E-16	6.12E-12	1.81E-11
Barite	Water	ocean	kg	5.70E-11		1.11E-07	2.18E-08	2.44E-11	9.75E-12	9.81E-08	3.00E-07
Barium	Water	ocean	kg	2.88E-12		8.97E-09	6.31E-10	1.73E-14	6.90E-15	7.75E-09	1.98E-08
Benzene	Water	ocean	kg	2.73E-13		8.50E-10	6.00E-11	2.03E-15	8.13E-16	7.32E-10	1.88E-09
Benzene, ethyl-	Water	ocean	kg	7.93E-14		2.48E-10	1.74E-11	4.73E-16	1.89E-16	2.13E-10	5.46E-10
BOD5, Biological Oxygen De	Water	ocean	kg	3.34E-10		1.04E-06	8.11E-08	1.48E-11	5.93E-12	1.11E-06	2.55E-06
Boron	Water	ocean	kg	2.70E-14		8.41E-11	5.93E-12	1.63E-16	6.52E-17	7.26E-11	1.86E-10
Bromine	Water	ocean	kg	2.31E-12		7.20E-09	5.06E-10	1.39E-14	5.54E-15	6.22E-09	1.59E-08
Cadmium, ion	Water	ocean	kg	9.90E-16		2.72E-12	2.36E-13	5.92E-17	2.37E-17	2.43E-12	6.80E-12
Calcium, ion	Water	ocean	kg	1.06E-10		3.26E-07	2.32E-08	1.01E-12	4.06E-13	2.83E-07	7.48E-07
Carboxylic acids, unspecified	Water	ocean	kg	1.89E-11		5.78E-08	4.25E-09	3.98E-13	1.59E-13	5.00E-08	1.28E-07
Cesium	Water	ocean	kg	3.30E-15		1.03E-11	7.27E-13	1.98E-17	7.91E-18	8.89E-12	2.28E-11
Cesium-137	Water	ocean	Bq	2.19E-06		2.13E-04	7.38E-05	4.87E-08	1.95E-08	1.09E-03	2.15E-03
Chloride	Water	ocean	kg	1.66E-09		5.18E-06	3.64E-07	1.01E-11	4.04E-12	4.45E-06	1.14E-05
Chlorinated solvents, unspec	Water	ocean	kg	3.23E-23		3.52E-21	1.16E-20	8.81E-25	3.52E-25	2.20E-20	7.19E-20
Chromium, ion	Water	ocean	kg	1.66E-14		4.87E-11	3.87E-12	3.57E-16	1.43E-16	4.28E-11	1.10E-10
Cobalt	Water	ocean	kg	6.61E-17		6.43E-15	2.23E-15	1.46E-18	5.84E-19	3.28E-14	6.46E-14
COD, Chemical Oxygen Dem	Water	ocean	kg	3.38E-10		1.06E-06	8.17E-08	1.49E-11	5.95E-12	1.13E-06	2.59E-06
Copper, ion	Water	ocean	kg	4.43E-15		9.84E-12	1.52E-12	1.42E-15	5.67E-16	8.69E-12	2.52E-11
Cyanide	Water	ocean	kg	1.17E-14		3.65E-11	2.57E-12	7.02E-17	2.81E-17	3.14E-11	8.05E-11
DOC, Dissolved Organic Carl	Water	ocean	kg	1.12E-10		3.50E-07	2.67E-08	4.25E-12	1.70E-12	3.59E-07	8.39E-07
Fluoride	Water	ocean	kg	3.76E-13		1.10E-09	8.04E-11	6.15E-15	2.46E-15	9.77E-10	2.73E-09
Glutaraldehyde	Water	ocean	kg	7.03E-15		1.37E-11	2.69E-12	3.01E-15	1.20E-15	1.21E-11	3.70E-11
Hydrocarbons, aliphatic, alka	Water	ocean	kg	4.29E-13		1.34E-09	9.44E-11	2.57E-15	1.03E-15	1.16E-09	2.96E-09
Hydrocarbons, aliphatic, unsa	Water	ocean	kg	3.97E-14		1.24E-10	8.72E-12	2.37E-16	9.49E-17	1.06E-10	2.73E-10
Hydrocarbons, aromatic	Water	ocean	kg	1.85E-12		5.65E-09	4.19E-10	4.53E-14	1.81E-14	4.89E-09	1.26E-08
Hydrocarbons, unspecified	Water	ocean	kg	1.08E-12		2.08E-09	4.09E-10	4.51E-13	1.80E-13	1.84E-09	5.63E-09
Hydrogen-3, Tritium	Water	ocean	Bq	4.56E-03		4.44E-01	1.54E-01	1.01E-04	4.04E-05	2.26E+00	4.46E+00
Hypochlorite	Water	ocean	kg	1.85E-13		1.79E-11	4.12E-10	3.94E-15	1.58E-15	6.36E-11	5.56E-10
Iodide	Water	ocean	kg	3.30E-13		1.03E-09	7.27E-11	1.98E-15	7.91E-16	8.89E-10	2.28E-09
Iron, ion	Water	ocean	kg	1.77E-13		5.52E-10	3.92E-11	1.73E-15	6.90E-16	4.76E-10	1.22E-09
Lead	Water	ocean	kg	2.70E-14		7.59E-11	6.87E-12	2.14E-15	8.56E-16	6.65E-11	1.75E-10
Lead-210	Water	ocean	Bq	1.02E-08		1.49E-05	1.73E-06	1.04E-09	4.17E-10	1.92E-05	1.07E-04
Magnesium	Water	ocean	kg	1.82E-11		5.69E-08	4.00E-09	1.09E-13	4.37E-14	4.89E-08	1.26E-07
Manganese	Water	ocean	kg	1.46E-13		4.53E-10	3.20E-11	8.86E-16	3.54E-16	3.92E-10	1.00E-09
Mercury	Water	ocean	kg	1.06E-16		2.16E-13	3.93E-14	4.21E-17	1.68E-17	1.90E-13	5.70E-13
Methanol	Water	ocean	kg	1.03E-13		2.71E-12	6.33E-11	1.13E-13	4.52E-14	1.42E-11	2.54E-10
Molybdenum	Water	ocean	kg	6.75E-16		2.11E-12	1.49E-13	4.07E-18	1.63E-18	1.82E-12	4.66E-12
Nickel, ion	Water	ocean	kg	1.67E-15		4.44E-12	3.74E-13	7.99E-17	3.19E-17	4.02E-12	1.12E-11
Nitrate	Water	ocean	kg	1.99E-12		1.87E-09	1.70E-10	3.50E-14	1.40E-14	2.20E-09	5.21E-09
Nitrite	Water	ocean	kg	2.97E-14		2.89E-12	1.00E-12	6.56E-16	2.63E-16	1.47E-11	2.91E-11
Nitrogen	Water	ocean	kg	1.67E-14		4.57E-11	4.83E-12	3.17E-15	1.27E-15	3.95E-11	1.07E-10
Nitrogen, organic bound	Water	ocean	kg	1.19E-12		1.28E-09	2.60E-10	4.36E-15	1.75E-15	1.52E-09	3.97E-09
Oils, unspecified	Water	ocean	kg	1.04E-10		3.24E-07	2.50E-08	4.64E-12	1.85E-12	3.42E-07	7.88E-07
PAH, polycyclic aromatic hyd	Water	ocean	kg	2.62E-14		8.15E-11	5.77E-12	2.10E-16	8.41E-17	7.03E-11	1.80E-10
Phenol	Water	ocean	kg	4.18E-13		1.29E-09	9.29E-11	3.30E-15	1.32E-15	1.12E-09	2.86E-09
Phosphate	Water	ocean	kg	1.71E-13		2.51E-10	2.92E-11	1.76E-14	7.03E-15	3.25E-10	1.80E-09
Phosphorus	Water	ocean	kg	2.66E-14		8.15E-11	5.75E-12	1.70E-16	6.79E-17	7.05E-11	1.80E-10
Polonium-210	Water	ocean	Bq	1.54E-08		2.27E-05	2.64E-06	1.59E-09	6.37E-10	2.93E-05	1.63E-04
Potassium-40	Water	ocean	Bq	1.23E-09		1.80E-06	2.09E-07	1.26E-10	5.03E-11	2.32E-06	1.29E-05
Potassium, ion	Water	ocean	kg	1.40E-11		4.36E-08	3.07E-09	1.07E-13	4.30E-14	3.74E-08	9.61E-08
Radioactive species, Nuclide	Water	ocean	Bq	1.15E-05		1.11E-03	3.87E-04	2.53E-07	1.01E-07	5.67E-03	1.12E-02
Radium-224	Water	ocean	Bq	1.66E-07		5.18E-04	3.63E-05	9.87E-10	3.95E-10	4.44E-04	1.14E-03
Radium-226	Water	ocean	Bq	2.76E-07		8.41E-04	6.00E-05	2.75E-09	1.10E-09	7.32E-04	1.94E-03
Radium-228	Water	ocean	Bq	3.30E-07		1.03E-03	7.27E-05	1.98E-09	7.91E-10	8.89E-04	2.28E-03
Rubidium	Water	ocean	kg	3.30E-14		1.03E-10	7.27E-12	1.98E-16	7.91E-17	8.89E-11	2.28E-10
Selenium	Water	ocean	kg	1.01E-15		3.16E-12	2.22E-13	6.10E-18	2.44E-18	2.72E-12	6.97E-12
Silicon	Water	ocean	kg	1.53E-15		2.99E-12	6.50E-13	8.26E-16	3.30E-16	3.27E-12	8.93E-12
Silver, ion	Water	ocean	kg	1.98E-15		6.17E-12	4.35E-13	1.19E-17	4.75E-18	5.33E-12	1.36E-11
Sodium, ion	Water	ocean	kg	1.01E-09		3.16E-06	2.22E-07	6.06E-12	2.42E-12	2.72E-06	6.97E-06
Strontium	Water	ocean	kg	1.99E-11		6.21E-08	4.36E-09	1.19E-13	4.75E-14	5.34E-08	1.37E-07
Strontium-90	Water	ocean	Bq	2.44E-07		2.37E-05	8.22E-06	5.42E-09	2.17E-09	1.21E-04	2.38E-04
Sulfate	Water	ocean	kg	2.35E-11		5.48E-08	6.25E-09	1.16E-12	4.63E-13	6.04E-08	1.95E-07
Sulfide	Water	ocean	kg	9.01E-15		2.16E-11	1.46E-12	9.41E-17	3.76E-17	1.93E-11	4.87E-11
Sulfite	Water	ocean	kg	1.71E-23		6.82E-21	4.58E-20	8.72E-25	3.49E-25	6.08E-20	1.28E-19
Sulfur	Water	ocean	kg	5.41E-14		1.51E-10	1.52E-11	9.23E-15	3.69E-15	1.30E-10	3.50E-10
Suspended solids, unspecifie	Water	ocean	kg	2.04E-10		4.02E-07	7.75E-08	8.58E-11	3.43E-11	3.55E-07	1.08E-06
t-Butyl methyl ether	Water	ocean	kg	2.14E-14		6.69E-11	4.70E-12	1.29E-16	5.16E-17	5.75E-11	1.48E-10
Thorium-228	Water	ocean	Bq	6.60E-07		2.06E-03	1.45E-04	3.97E-09	1.59E-09	1.78E-03	4.56E-03
Titanium, ion	Water	ocean	kg	2.37E-16		4.53E-13	1.03E-13	1.34E-16	5.38E-17	5.05E-13	1.38E-12
TOC, Total Organic Carbon	Water	ocean	kg	1.12E-10		3.50E-07	2.67E-08	4.25E-12	1.70E-12	3.59E-07	8.39E-07
Toluene	Water	ocean	kg	4.86E-13		1.57E-09	1.03E-10	3.33E-15	1.33E-15	1.34E-09	3.42E-09
Tributyltin compounds	Water	ocean	kg	1.27E-14		2.95E-11	1.46E-11	1.88E-16	7.53E-17	3.07E-10	3.78E-10
Triethylene glycol	Water	ocean	kg	8.48E-14		2.20E-12	5.25E-11	9.13E-14	3.65E-14	1.17E-11	2.10E-10
Uranium-238	Water	ocean	Bq	5.21E-09		7.64E-06	8.88E-07	5.37E-10	2.15E-10	9.84E-06	5.47E-05

				Production du coton							Productio n du coton
				Défoliant	Metaux dans l'eau	Diesel	Electricité	Gaz	GPL	Transport	TOTAL
Vanadium, ion	Water	ocean	kg	2.02E-15		6.30E-12	4.44E-13	1.22E-17	4.87E-18	5.42E-12	1.39E-11
VOC, volatile organic compou	Water	ocean	kg	1.16E-12		3.61E-09	2.54E-10	6.93E-15	2.77E-15	3.11E-09	7.97E-09
Xylene	Water	ocean	kg	3.90E-13		1.22E-09	8.60E-11	2.74E-15	1.10E-15	1.05E-09	2.68E-09
Zinc, ion	Water	ocean	kg	2.97E-12		6.08E-09	1.09E-09	1.17E-12	4.66E-13	5.38E-09	1.60E-08
Acenaphthene	Water	river	kg	4.10E-17		1.26E-13	8.99E-15	2.80E-19	1.12E-19	1.65E-13	3.36E-13
Acenaphthylene	Water	river	kg	2.56E-18		7.89E-15	5.63E-16	1.75E-20	7.01E-21	1.03E-14	2.10E-14
Acetic acid	Water	river	kg	1.30E-14		1.06E-11	1.04E-12	5.46E-16	2.18E-16	3.45E-11	5.67E-11
Acidity, unspecified	Water	river	kg	1.44E-14		1.56E-11	2.92E-12	5.69E-15	2.28E-15	2.17E-10	2.81E-10
Aluminum	Water	river	kg	2.40E-12		6.21E-10	4.69E-10	6.88E-14	2.75E-14	1.84E-09	3.94E-09
Ammonium, ion	Water	river	kg	1.61E-12		1.01E-09	2.20E-10	3.97E-14	1.59E-14	2.77E-09	1.75E-07
Antimony	Water	river	kg	3.03E-14		1.93E-12	1.37E-11	1.52E-15	6.08E-16	3.34E-11	2.68E-10
Antimony-122	Water	river	Bq	5.39E-12		5.87E-10	2.56E-10	1.94E-13	7.77E-14	1.78E-08	2.16E-08
Antimony-124	Water	river	Bq	3.00E-09		2.94E-07	1.04E-07	6.93E-11	2.77E-11	2.05E-06	3.54E-06
Antimony-125	Water	river	Bq	2.56E-09		2.51E-07	8.97E-08	5.97E-11	2.39E-11	1.84E-06	3.12E-06
AOX, Adsorbable Organic Ha	Water	river	kg	1.02E-14		2.05E-11	7.49E-12	1.37E-16	5.47E-17	3.03E-11	6.63E-11
Arsenic, ion	Water	river	kg	1.62E-13		4.44E-11	1.88E-10	8.72E-15	3.49E-15	4.07E-09	4.98E-09
Barium	Water	river	kg	5.75E-12		1.78E-08	1.26E-09	4.10E-14	1.64E-14	2.31E-08	4.72E-08
Barium-140	Water	river	Bq	2.36E-11		2.57E-09	1.12E-09	8.49E-13	3.40E-13	7.77E-08	9.43E-08
Benzene	Water	river	kg	4.42E-13		1.33E-09	9.60E-11	8.81E-15	3.52E-15	1.94E-09	3.84E-09
Benzene, ethyl-	Water	river	kg	1.58E-13		4.87E-10	3.47E-11	1.08E-15	4.33E-16	6.36E-10	1.30E-09
Beryllium	Water	river	kg	9.14E-17		8.89E-15	3.63E-14	2.09E-18	8.35E-19	4.91E-14	1.27E-13
BOD5, Biological Oxygen De	Water	river	kg	1.81E-09		5.56E-06	3.95E-07	1.19E-11	4.77E-12	6.37E-06	1.40E-05
Boron	Water	river	kg	2.12E-13		1.19E-10	6.23E-10	6.10E-15	2.44E-15	2.06E-10	1.04E-09
Bromate	Water	river	kg	5.17E-13		2.26E-11	1.51E-11	2.90E-15	1.16E-15	9.74E-11	2.77E-10
Bromine	Water	river	kg	4.74E-12		1.43E-08	1.15E-09	3.82E-14	1.53E-14	1.88E-08	3.91E-08
Butene	Water	river	kg	2.89E-17		3.21E-15	3.73E-15	6.56E-19	2.63E-19	1.22E-14	2.33E-12
Cadmium, ion	Water	river	kg	1.70E-13		3.07E-11	7.57E-12	6.56E-15	2.63E-15	1.00E-08	1.08E-08
Calcium, ion	Water	river	kg	2.60E-10		6.30E-07	1.37E-07	3.78E-12	1.51E-12	8.77E-07	2.08E-06
Carbonate	Water	river	kg	5.39E-13		9.02E-11	1.56E-11	1.67E-14	6.68E-15	5.70E-10	1.36E-09
Carboxylic acids, unspecified	Water	river	kg	2.42E-11		7.51E-08	5.30E-09	1.66E-13	6.63E-14	9.73E-08	1.99E-07
Cerium-141	Water	river	Bq	9.44E-12		1.03E-09	4.46E-10	3.40E-13	1.36E-13	3.11E-08	3.77E-08
Cerium-144	Water	river	Bq	2.88E-12		3.12E-10	1.36E-10	1.03E-13	4.13E-14	9.45E-09	1.15E-08
Cesium	Water	river	kg	6.59E-15		2.04E-11	1.44E-12	4.51E-17	1.80E-17	2.65E-11	5.41E-11
Cesium-134	Water	river	Bq	2.36E-09		2.29E-07	8.01E-08	5.23E-11	2.09E-11	1.17E-06	2.31E-06
Cesium-136	Water	river	Bq	1.67E-12		1.82E-10	7.94E-11	6.01E-14	2.40E-14	5.52E-09	6.69E-09
Cesium-137	Water	river	Bq	7.71E-09		7.81E-07	2.98E-07	2.08E-10	8.33E-11	1.13E-05	1.56E-05
Chlorate	Water	river	kg	4.01E-12		1.99E-10	1.19E-10	2.47E-14	9.90E-15	7.89E-10	2.32E-09
Chloride	Water	river	kg	5.52E-09		1.03E-05	1.22E-06	3.41E-11	1.36E-11	1.37E-05	1.02E-04
Chlorinated solvents, unspec	Water	river	kg	7.83E-15		1.73E-13	6.94E-14	1.54E-16	6.15E-17	1.69E-12	8.54E-12
Chlorine	Water	river	kg	4.10E-15		1.26E-12	7.60E-12	1.75E-16	6.99E-17	1.19E-11	2.44E-11
Chloroform	Water	river	kg	1.38E-22		1.56E-20	2.38E-20	3.44E-24	1.38E-24	1.06E-19	1.99E-19
Chromium-51	Water	river	Bq	2.90E-09		3.02E-07	1.21E-07	8.81E-11	3.52E-11	6.18E-06	7.95E-06
Chromium VI	Water	river	kg	4.75E-13		1.98E-10	1.72E-10	5.65E-14	2.26E-14	2.04E-09	3.71E-09
Chromium, ion	Water	river	kg	2.22E-14		3.24E-11	1.14E-11	5.60E-16	2.24E-16	5.96E-11	1.87E-09
Cobalt	Water	river	kg	1.37E-12		6.90E-12	1.21E-12	1.39E-15	5.56E-16	1.00E-11	1.72E-10
Cobalt-57	Water	river	Bq	5.32E-11		5.78E-09	2.52E-09	1.91E-12	7.66E-13	1.75E-07	2.13E-07
Cobalt-58	Water	river	Bq	2.27E-08		2.28E-06	8.59E-07	5.97E-10	2.39E-10	3.04E-05	4.28E-05
Cobalt-60	Water	river	Bq	1.77E-08		1.79E-06	6.82E-07	4.77E-10	1.91E-10	2.61E-05	3.60E-05
COD, Chemical Oxygen Dem	Water	river	kg	1.84E-09		5.61E-06	4.01E-07	1.40E-11	5.60E-12	7.18E-06	1.49E-05
Copper, ion	Water	river	kg	5.59E-13		6.51E-11	2.25E-11	1.36E-14	5.43E-15	1.93E-08	2.20E-08
Cumene	Water	river	kg	5.04E-14		1.10E-10	9.52E-12	7.21E-15	2.88E-15	3.73E-10	6.36E-10
Cyanide	Water	river	kg	1.01E-13		3.21E-11	7.25E-12	9.41E-15	3.76E-15	3.95E-10	6.25E-10
Dichromate	Water	river	kg	2.39E-14		5.74E-13	1.08E-13	4.77E-16	1.91E-16	2.68E-12	6.12E-12
DOC, Dissolved Organic Carl	Water	river	kg	5.45E-10		1.65E-06	1.17E-07	3.96E-12	1.58E-12	2.37E-06	4.64E-06
Ethane, 1,2-dichloro-	Water	river	kg	9.62E-16		3.20E-13	5.09E-14	3.50E-17	1.40E-17	7.48E-13	6.66E-10
Ethene	Water	river	kg	1.65E-14		4.57E-11	3.37E-12	1.51E-15	6.06E-16	1.35E-10	2.14E-10
Ethene, chloro-	Water	river	kg	5.07E-16		1.85E-14	3.27E-15	1.14E-17	4.57E-18	1.08E-13	4.91E-13
Ethylene diamine	Water	river	kg	2.93E-19		4.62E-17	4.27E-16	1.42E-20	5.67E-21	1.31E-14	1.48E-14
Ethylene oxide	Water	river	kg	2.24E-18		4.57E-16	1.99E-16	4.45E-19	1.78E-19	4.77E-15	1.48E-14
Fluoride	Water	river	kg	6.89E-11		1.03E-09	6.08E-10	7.89E-14	3.16E-14	2.08E-09	1.35E-08
Fluosilicic acid	Water	river	kg	2.91E-15		5.95E-13	1.24E-12	3.65E-16	1.46E-16	3.88E-11	4.91E-11
Formaldehyde	Water	river	kg	3.02E-16		5.65E-14	3.19E-14	2.64E-17	1.06E-17	2.42E-12	3.52E-12
Heat, waste	Water	river	MJ	2.61E-07		3.83E-04	2.71E-04	4.19E-09	1.68E-09	4.27E-04	1.22E-03
Hydrocarbons, aliphatic, alka	Water	river	kg	8.56E-13		2.64E-09	1.88E-10	5.87E-15	2.35E-15	3.45E-09	7.04E-09
Hydrocarbons, aliphatic, unsa	Water	river	kg	7.90E-14		2.44E-10	1.73E-11	5.42E-16	2.17E-16	3.18E-10	6.49E-10
Hydrocarbons, aromatic	Water	river	kg	3.46E-12		1.07E-08	7.59E-10	2.44E-14	9.77E-15	1.40E-08	2.85E-08
Hydrocarbons, unspecified	Water	river	kg	1.26E-13		5.69E-11	4.83E-11	1.02E-14	4.08E-15	5.19E-10	8.91E-10
Hydrogen-3, Tritium	Water	river	Bq	4.84E-04		4.70E-02	1.63E-02	1.07E-05	4.30E-06	2.47E-01	4.80E-01
Hydrogen peroxide	Water	river	kg	1.73E-15		3.63E-14	7.92E-14	5.37E-18	2.15E-18	6.17E-13	1.64E-12
Hydrogen sulfide	Water	river	kg	4.15E-15		9.10E-13	3.34E-13	2.61E-16	1.04E-16	8.72E-12	1.31E-11
Hydroxide	Water	river	kg	8.88E-15		8.67E-13	3.06E-13	2.09E-16	8.35E-17	5.29E-12	9.65E-12
Hypochlorite	Water	river	kg	1.65E-13		1.59E-11	3.53E-10	3.56E-15	1.42E-15	5.84E-11	4.84E-10
Iodide	Water	river	kg	6.61E-13		2.04E-09	1.56E-10	4.59E-15	1.83E-15	2.65E-09	5.42E-09
Iodine-131	Water	river	Bq	5.39E-10		5.31E-08	1.91E-08	1.29E-11	5.14E-12	4.37E-07	7.10E-07
Iodine-133	Water	river	Bq	1.48E-11		1.61E-09	7.03E-10	5.32E-13	2.13E-13	4.88E-08	5.93E-08
Iron-59	Water	river	Bq	4.07E-12		4.44E-10	1.93E-10	1.47E-13	5.87E-14	1.35E-08	1.63E-08
Iron, ion	Water	river	kg	2.15E-12		2.42E-09	3.85E-10	8.67E-14	3.47E-14	3.75E-09	7.85E-09
Lanthanum-140	Water	river	Bq	2.52E-11		2.73E-09	1.19E-09	9.04E-13	3.62E-13	8.25E-08	1.00E-07
Lead	Water	river	kg	1.29E-12		2.47E-10	5.72E-11	4.73E-14	1.89E-14	6.92E-08	7.38E-08
Lead-210	Water	river	Bq	2.15E-08		2.07E-06	8.60E-05	4.96E-10	1.98E-10	8.60E-06	1.04E-04
Magnesium	Water	river	kg	3.97E-11		1.06E-07	2.60E-08	3.91E-13	1.57E-13	1.41E-07	1.45E-06
Manganese	Water	river	kg	5.61E-13		8.89E-10	8.42E-11	9.00E-15	3.60E-15	1.28E-09	2.60E-09
Manganese-54	Water	river	Bq	1.38E-09		1.38E-07	5.22E-08	3.62E-11	1.45E-11	1.83E-06	2.58E-06
Mercury	Water	river	kg	3.55E-15		5.87E-13	8.22E-13	1.45E-16	5.82E-17	1.66E-10	5.09E-10
Methane, dichloro-, HCC-30	Water	river	kg	1.32E-13		3.61E-10	3.60E-11	1.55E-14	6.21E-15	3.64E-10	8.90E-10
Methanol	Water	river	kg	7.99E-17		7.98E-15	2.81E-15	1.89E-18	7.56E-19	5.84E-14	9.90E-14
Molybdenum	Water	river	kg	1.02E-13		1.12E-11	7.56E-11	2.31E-15	9.25E-16	5.56E-11	1.81E-10
Molybdenum-99	Water	river	Bq	8.67E-12		9.40E-10	4.10E-10	3.12E-13	1.25E-13	2.86E-08	3.47E-08
Nickel, ion	Water	river	kg	5.22E-13		1.49E-11	2.73E-11	2.01E-15	8.06E-16	1.04E-10	1.73E-09
Niobium-95	Water	river	Bq	1.78E-10		1.75E-08	6.43E-09	4.33E-12	1.73E-12	1.54E-07	2.46E-07
Nitrate	Water	river	kg	7.40E-12		1.86E-09	9.84E-09	7.30E-13	2.92E-13	7.33E-09	2.36E-08
Nitrite	Water	river	kg	3.39E-14		4.44E-12	3.90E-12	1.43E-14	5.73E-15	5.05E-11	7.41E-11
Nitrogen	Water	river	kg	4.53E-12		1.78E-09	8.71E-09	9.50E-14	3.80E-14	2.78E-09	1.14E-07
Nitrogen, organic bound	Water	river	kg	1.20E-12		7.85E-10	1.77E-10	5.19E-14	2.07E-14	4.88E-09	7.79E-09
Oils, unspecified	Water	river	kg	5.67E-10		1.77E-06	1.24E-07	3.42E-12	1.37E-12	1.54E-06	3.92E-06

				Production du coton							Productio n du coton
				Défoliant	Metaux dans l'eau	Diesel	Electricité	Gaz	GPL	Transport	TOTAL
PAH, polycyclic aromatic hyd	Water	river	kg	3.78E-14		9.79E-11	7.33E-12	9.64E-16	3.86E-16	1.32E-10	3.12E-10
Paraffins	Water	river	kg	4.38E-19		1.60E-16	3.94E-17	1.78E-19	7.12E-20	1.13E-15	4.99E-15
Phenol	Water	river	kg	5.37E-13		1.65E-09	1.18E-10	4.15E-15	1.66E-15	2.19E-09	4.44E-09
Phosphate	Water	river	kg	2.13E-12		6.08E-11	2.71E-11	8.63E-15	3.45E-15	3.43E-10	7.87E-08
Phosphorus	Water	river	kg	5.12E-14		7.29E-11	2.68E-11	3.05E-15	1.22E-15	1.79E-10	3.03E-09
Polonium-210	Water	river	Bq	2.15E-08		2.07E-06	8.60E-05	4.96E-10	1.98E-10	8.60E-06	1.04E-04
Potassium-40	Water	river	Bq	2.69E-08		2.61E-06	1.08E-04	6.20E-10	2.48E-10	1.08E-05	1.31E-04
Potassium, ion	Water	river	kg	3.38E-11		8.97E-08	2.33E-08	6.20E-13	2.48E-13	1.19E-07	1.18E-06
Propene	Water	river	kg	2.43E-14		4.31E-11	3.84E-12	2.74E-15	1.10E-15	4.08E-10	5.28E-10
Propylene oxide	Water	river	kg	7.02E-15		3.33E-12	3.68E-13	6.33E-17	2.53E-17	3.49E-10	3.73E-10
Protactinium-234	Water	river	Bq	2.96E-08		2.88E-06	1.00E-06	6.65E-10	2.66E-10	1.61E-05	3.05E-05
Radioactive species, alpha e	Water	river	Bq	3.14E-11		4.49E-08	5.20E-09	3.13E-12	1.25E-12	5.82E-08	1.31E-04
Radioactive species, Nuclide	Water	river	Bq	3.67E-08		3.57E-06	1.23E-06	7.99E-10	3.19E-10	3.24E-05	5.18E-05
Radium-224	Water	river	Bq	3.29E-07		1.02E-03	7.24E-05	2.25E-09	9.01E-10	1.32E-03	2.71E-03
Radium-226	Water	river	Bq	1.90E-05		3.42E-03	7.94E-04	4.17E-07	1.67E-07	1.22E-02	2.34E-02
Radium-228	Water	river	Bq	6.59E-07		2.04E-03	1.44E-04	4.51E-09	1.80E-09	2.65E-03	5.41E-03
Rubidium	Water	river	kg	6.59E-14		2.04E-10	1.44E-11	4.51E-16	1.80E-16	2.65E-10	5.41E-10
Ruthenium-103	Water	river	Bq	1.83E-12		1.99E-10	8.67E-11	6.61E-14	2.64E-14	6.03E-09	7.32E-09
Scandium	Water	river	kg	5.31E-15		5.22E-13	2.07E-11	1.22E-16	4.87E-17	2.03E-12	2.55E-11
Selenium	Water	river	kg	1.53E-14		3.28E-12	1.18E-11	4.14E-16	1.66E-16	1.33E-11	3.49E-11
Silicon	Water	river	kg	6.55E-12		1.13E-09	2.62E-09	1.90E-13	7.62E-14	4.92E-09	2.40E-08
Silver-110	Water	river	Bq	1.69E-08		1.72E-06	6.55E-07	4.59E-10	1.84E-10	2.54E-05	3.49E-05
Silver, ion	Water	river	kg	6.06E-15		1.83E-11	1.30E-12	4.08E-17	1.63E-17	2.72E-11	5.31E-11
Sodium-24	Water	river	Bq	6.56E-11		7.12E-09	3.12E-09	2.36E-12	9.45E-13	2.16E-07	2.62E-07
Sodium formate	Water	river	kg	2.42E-17		4.10E-15	9.85E-15	1.40E-17	5.60E-18	9.38E-14	1.56E-13
Sodium, ion	Water	river	kg	2.04E-09		6.21E-06	4.59E-07	1.69E-11	6.76E-12	8.17E-06	7.07E-05
Solids, inorganic	Water	river	kg	1.70E-11		3.44E-09	6.41E-10	3.13E-13	1.25E-13	1.18E-08	3.76E-08
Solved solids	Water	river	kg	3.95E-11		4.08E-09	2.83E-09	4.43E-12	1.77E-12	3.41E-08	3.14E-07
Strontium	Water	river	kg	3.96E-11		1.22E-07	8.70E-09	2.75E-13	1.10E-13	1.59E-07	3.25E-07
Strontium-89	Water	river	Bq	2.63E-10		2.72E-08	1.09E-08	7.85E-12	3.14E-12	5.24E-07	6.82E-07
Strontium-90	Water	river	Bq	1.90E-05		1.84E-03	6.34E-04	4.23E-07	1.69E-07	7.50E-03	1.65E-02
Sulfate	Water	river	kg	2.04E-09		6.69E-08	2.48E-07	1.33E-11	5.32E-12	5.53E-07	8.26E-06
Sulfide	Water	river	kg	3.07E-14		1.49E-11	5.75E-11	1.04E-15	4.17E-16	4.66E-11	1.35E-10
Sulfite	Water	river	kg	9.10E-13		8.80E-11	2.07E-09	2.45E-13	9.79E-14	3.20E-10	2.79E-09
Sulfur	Water	river	kg	1.79E-12		5.48E-09	4.06E-10	4.03E-14	1.61E-14	4.85E-09	1.19E-06
Suspended solids, unspecifie	Water	river	kg	1.67E-11		2.39E-08	4.06E-09	8.17E-13	3.27E-13	5.21E-08	1.03E-07
t-Butyl methyl ether	Water	river	kg	1.26E-18		3.68E-16	8.80E-16	9.13E-18	3.65E-18	2.93E-14	3.52E-14
Technetium-99m	Water	river	Bq	2.02E-10		2.19E-08	9.51E-09	7.21E-12	2.88E-12	6.57E-07	7.98E-07
Tellurium-123m	Water	river	Bq	3.15E-10		3.06E-08	1.07E-08	7.02E-12	2.81E-12	1.66E-07	3.18E-07
Tellurium-132	Water	river	Bq	5.02E-13		5.48E-11	2.37E-11	1.81E-14	7.23E-15	1.66E-09	2.01E-09
Thallium	Water	river	kg	1.79E-15		1.72E-13	3.90E-12	3.82E-17	1.53E-17	6.24E-13	5.30E-12
Thorium-228	Water	river	Bq	1.31E-06		4.07E-03	2.89E-04	9.00E-09	3.60E-09	5.30E-03	1.08E-02
Thorium-230	Water	river	Bq	4.03E-06		3.93E-04	1.37E-04	9.04E-08	3.62E-08	2.20E-03	4.16E-03
Thorium-232	Water	river	Bq	5.01E-09		4.87E-07	2.02E-05	1.16E-10	4.63E-11	2.01E-06	2.45E-05
Thorium-234	Water	river	Bq	2.96E-08		2.88E-06	1.00E-06	6.65E-10	2.66E-10	1.61E-05	3.05E-05
Tin, ion	Water	river	kg	1.62E-15		1.58E-13	5.64E-12	4.16E-17	1.66E-17	7.85E-13	7.38E-12
Titanium, ion	Water	river	kg	1.28E-14		2.29E-12	1.43E-11	5.97E-16	2.39E-16	3.08E-11	5.96E-11
TOC, Total Organic Carbon	Water	river	kg	5.47E-10		1.66E-06	1.18E-07	3.98E-12	1.59E-12	2.38E-06	4.65E-06
Toluene	Water	river	kg	7.50E-13		2.32E-09	1.65E-10	5.14E-15	2.06E-15	3.08E-09	6.24E-09
Tungsten	Water	river	kg	6.28E-15		6.13E-13	2.49E-11	1.40E-16	5.62E-17	2.34E-12	3.03E-11
Uranium-234	Water	river	Bq	3.54E-08		3.45E-06	1.20E-06	7.99E-10	3.19E-10	1.93E-05	3.65E-05
Uranium-235	Water	river	Bq	5.86E-08		5.69E-06	1.99E-06	1.31E-09	5.25E-10	3.19E-05	6.03E-05
Uranium-238	Water	river	Bq	9.99E-08		9.71E-06	4.52E-05	2.25E-09	9.00E-10	5.29E-05	1.43E-04
Uranium alpha	Water	river	Bq	1.70E-06		1.66E-04	5.79E-05	3.82E-08	1.53E-08	9.28E-04	1.75E-03
Vanadium, ion	Water	river	kg	5.59E-14		9.32E-12	4.83E-11	1.38E-15	5.51E-16	3.91E-11	1.19E-10
VOC, volatile organic compou	Water	river	kg	2.38E-12		7.12E-09	5.07E-10	1.74E-14	6.98E-15	9.27E-09	1.90E-08
Xylene	Water	river	kg	6.23E-13		1.92E-09	1.37E-10	4.26E-15	1.71E-15	2.51E-09	5.12E-09
Zinc-65	Water	river	Bq	8.89E-10		9.66E-08	4.21E-08	3.20E-11	1.28E-11	2.93E-06	3.56E-06
Zinc, ion	Water	river	kg	1.16E-12		1.48E-09	1.27E-10	9.09E-15	3.64E-15	2.09E-09	6.37E-09
Zirconium-95	Water	river	Bq	1.03E-11		1.12E-09	4.89E-10	3.71E-13	1.48E-13	3.40E-08	4.12E-08
Boron	Soil		kg	1.62E-13		3.89E-12	7.30E-13	3.25E-15	1.30E-15	1.82E-11	4.16E-11
Cadmium	Soil		kg	5.53E-17		3.86E-14	8.44E-15	3.46E-18	1.38E-18	1.42E-11	1.50E-11
Chloride	Soil		kg	7.91E-12		5.31E-09	1.27E-09	1.02E-12	4.09E-13	2.65E-06	2.76E-06
Chromium	Soil		kg	4.97E-16		3.47E-13	7.59E-14	3.11E-17	1.24E-17	1.27E-10	1.35E-10
Chromium VI	Soil		kg	9.16E-13		2.20E-11	4.12E-12	1.84E-14	7.34E-15	1.03E-10	2.35E-10
Copper	Soil		kg	5.72E-13		1.43E-11	2.70E-12	1.15E-14	4.61E-15	2.77E-10	3.72E-10
Fluoride	Soil		kg	6.19E-13		1.49E-11	2.79E-12	1.24E-14	4.98E-15	6.97E-11	1.59E-10
Heat, waste	Soil		MJ	1.88E-07		3.19E-06	5.14E-07	3.69E-09	1.47E-09	1.43E-05	3.62E-05
Iron	Soil		kg	9.81E-12		2.21E-09	5.85E-09	1.84E-13	7.36E-14	1.66E-07	2.23E-07
Lead	Soil		kg	2.77E-16		1.93E-13	4.21E-14	1.73E-17	6.92E-18	7.07E-11	7.49E-11
Nickel	Soil		kg	4.41E-16		3.08E-13	6.75E-14	2.77E-17	1.11E-17	1.13E-10	1.20E-10
Oils, biogenic	Soil		kg	1.87E-13		4.08E-11	1.13E-10	3.51E-15	1.40E-15	2.38E-10	1.33E-09
Oils, unspecified	Soil		kg	2.82E-12		9.96E-09	7.09E-10	1.95E-14	7.80E-15	9.98E-09	2.34E-08
Sodium	Soil		kg	1.17E-14		6.77E-12	2.12E-12	3.00E-15	1.20E-15	7.85E-09	8.00E-09
Zinc	Soil		kg	4.46E-14		3.11E-11	6.79E-12	2.79E-15	1.11E-15	1.13E-08	1.20E-08
Aclonifen	Soil	agricultu	kg	1.98E-17		1.03E-14	1.75E-14	1.13E-17	4.52E-18	8.14E-13	9.21E-13
Aluminum	Soil	agricultu	kg	1.56E-13		2.13E-11	6.78E-12	3.64E-15	1.46E-15	1.02E-10	1.96E-10
Antimony	Soil	agricultu	kg	2.90E-20		3.93E-18	4.03E-18	9.73E-22	3.89E-22	3.45E-17	2.06E-16
Arsenic	Soil	agricultu	kg	4.33E-17	9.92E-11	4.25E-15	1.68E-15	1.04E-18	4.17E-19	2.20E-14	9.93E-11
Atrazine	Soil	agricultu	kg	9.34E-19		1.26E-16	1.25E-15	3.57E-17	1.43E-17	4.13E-15	7.13E-15
Barium	Soil	agricultu	kg	4.88E-17		3.73E-13	1.88E-14	6.47E-19	2.59E-19	4.23E-13	8.90E-13
Bentazone	Soil	agricultu	kg	1.01E-17		5.26E-15	8.89E-15	5.74E-18	2.29E-18	4.15E-13	4.69E-13
Boron	Soil	agricultu	kg	1.35E-17		1.04E-13	5.24E-15	1.77E-19	7.09E-20	1.18E-13	2.48E-13
Cadmium	Soil	agricultu	kg	1.67E-16	1.15E-11	1.36E-14	5.07E-15	2.97E-18	1.19E-18	3.27E-13	1.27E-11
Calcium	Soil	agricultu	kg	1.76E-12		2.20E-10	6.85E-11	4.26E-14	1.71E-14	8.75E-10	1.90E-09
Carbetamide	Soil	agricultu	kg	3.96E-18		1.90E-15	4.01E-15	2.35E-18	9.42E-19	1.48E-13	1.69E-13
Carbon	Soil	agricultu	kg	6.26E-13		1.63E-10	3.90E-11	1.28E-14	5.10E-15	7.90E-10	1.32E-09
Chloride	Soil	agricultu	kg	1.84E-14		1.82E-12	6.62E-13	4.54E-16	1.82E-16	7.46E-12	1.76E-11
Chlorothalonil	Soil	agricultu	kg	4.00E-16		4.62E-14	8.69E-13	1.52E-16	6.10E-17	2.11E-12	3.53E-12
Chromium	Soil	agricultu	kg	6.92E-15	9.23E-10	2.85E-13	1.17E-13	5.28E-17	2.11E-17	1.86E-11	9.96E-10
Cobalt	Soil	agricultu	kg	1.23E-16	1.15E-09	1.20E-14	4.90E-15	2.92E-18	1.17E-18	6.76E-14	1.15E-09
Copper	Soil	agricultu	kg	1.34E-14	1.62E-09	5.09E-13	1.87E-13	5.74E-17	2.29E-17	3.72E-11	1.77E-09
Cypermethrin	Soil	agricultu	kg	9.71E-20		4.24E-17	1.12E-16	6.06E-20	2.42E-20	3.27E-15	3.76E-15
Dinoseb	Soil	agricultu	kg	1.09E-16		1.26E-14	2.36E-13	4.14E-17	1.65E-17	5.73E-13	9.58E-13
Fenpiclonil	Soil	agricultu	kg	1.65E-17		2.18E-15	3.47E-14	6.38E-18	2.55E-18	1.11E-13	1.71E-13

			Production du coton							Productio n du coton
			Défoliant	Metaux dans l'eau	Diesel	Electricité	Gaz	GPL	Transport	TOTAL
Glyphosate	Soil	agricultu kg	1.89E-16		1.27E-13	3.07E-14	3.78E-17	1.51E-17	6.30E-11	6.57E-11
Iron	Soil	agricultu kg	4.62E-13	3.14E-08	8.63E-11	2.63E-11	9.50E-15	3.80E-15	5.28E-10	3.22E-08
Lead	Soil	agricultu kg	2.02E-15	4.38E-10	1.11E-13	4.13E-14	1.72E-17	6.87E-18	4.98E-12	4.58E-10
Linuron	Soil	agricultu kg	1.53E-16		7.98E-14	1.35E-13	8.72E-17	3.49E-17	6.30E-12	7.13E-12
Magnesium	Soil	agricultu kg	1.99E-13		2.23E-11	7.60E-12	4.82E-15	1.93E-15	9.60E-11	2.09E-10
Mancozeb	Soil	agricultu kg	5.21E-16		6.04E-14	1.13E-12	1.98E-16	7.93E-17	2.74E-12	4.59E-12
Manganese	Soil	agricultu kg	1.16E-13		1.22E-11	4.22E-12	2.85E-15	1.14E-15	4.84E-11	1.13E-10
Mercury	Soil	agricultu kg	4.18E-18	5.31E-12	4.57E-16	5.40E-16	2.30E-19	9.22E-20	1.07E-14	5.32E-12
Metaldehyde	Soil	agricultu kg	8.44E-19		3.67E-16	9.72E-16	5.23E-19	2.09E-19	2.83E-14	3.26E-14
Metolachlor	Soil	agricultu kg	1.11E-15		5.78E-13	9.77E-13	6.61E-16	2.64E-16	4.56E-11	5.16E-11
Metribuzin	Soil	agricultu kg	1.83E-17		2.12E-15	3.97E-14	6.98E-18	2.79E-18	9.67E-14	1.62E-13
Molybdenum	Soil	agricultu kg	3.27E-17	5.77E-11	3.19E-15	1.46E-15	7.44E-19	2.97E-19	2.38E-14	5.77E-11
Napropamide	Soil	agricultu kg	1.49E-18		6.51E-16	1.72E-15	9.27E-19	3.71E-19	5.01E-14	5.76E-14
Nickel	Soil	agricultu kg	4.24E-15	3.00E-09	1.29E-13	4.78E-14	1.48E-17	5.93E-18	1.20E-11	3.05E-09
Orbencarb	Soil	agricultu kg	9.90E-17		1.14E-14	2.14E-13	3.76E-17	1.50E-17	5.21E-13	8.70E-13
Phosphorus	Soil	agricultu kg	5.63E-14		5.56E-12	2.03E-12	1.39E-15	5.56E-16	2.29E-11	5.39E-11
Pirimicarb	Soil	agricultu kg	9.53E-19		4.96E-16	8.42E-16	5.46E-19	2.18E-19	3.93E-14	4.45E-14
Potassium	Soil	agricultu kg	3.14E-13		3.09E-11	1.13E-11	7.71E-15	3.08E-15	1.27E-10	3.00E-10
Silicon	Soil	agricultu kg	5.47E-13		5.35E-11	2.14E-11	1.31E-14	5.23E-15	2.87E-10	5.89E-10
Silver	Soil	agricultu kg	1.20E-16		2.10E-15	9.32E-16	1.84E-19	7.34E-20	3.66E-13	1.51E-12
Strontium	Soil	agricultu kg	1.77E-16		1.37E-12	6.85E-14	2.30E-18	9.20E-19	1.55E-12	3.25E-12
Sulfur	Soil	agricultu kg	9.05E-14		8.80E-12	4.17E-12	2.01E-15	8.06E-16	7.08E-11	1.21E-10
Tebutam	Soil	agricultu kg	3.53E-18		1.54E-15	4.08E-15	2.20E-18	8.79E-19	1.19E-13	1.36E-13
Teflubenzuron	Soil	agricultu kg	1.22E-18		1.41E-16	2.64E-15	4.64E-19	1.85E-19	6.42E-15	1.07E-14
Tin	Soil	agricultu kg	4.84E-17		4.57E-15	2.90E-15	9.18E-19	3.67E-19	6.35E-14	9.09E-14
Titanium	Soil	agricultu kg	7.94E-15		7.81E-13	2.86E-13	1.96E-16	7.82E-17	3.22E-12	7.59E-12
Vanadium	Soil	agricultu kg	2.28E-16		2.24E-14	8.17E-15	5.60E-18	2.24E-18	9.22E-14	2.17E-13
Zinc	Soil	agricultu kg	5.73E-14	1.15E-08	7.81E-12	2.43E-12	1.25E-15	4.99E-16	4.69E-11	1.17E-08
Oils, biogenic	Soil	forestry kg	5.69E-14		7.42E-12	5.58E-11	1.95E-15	7.80E-16	4.82E-11	2.51E-10
Oils, unspecified	Soil	forestry kg	7.05E-10		2.20E-06	1.55E-07	4.22E-12	1.69E-12	1.90E-06	4.86E-06
Aluminum	Soil	industria kg	5.22E-12		1.42E-08	1.42E-09	6.15E-13	2.46E-13	1.44E-08	3.52E-08
Arsenic	Soil	industria kg	2.09E-15		5.69E-12	5.68E-13	2.45E-16	9.80E-17	5.75E-12	1.41E-11
Barium	Soil	industria kg	2.61E-12		7.12E-09	7.10E-10	3.07E-13	1.23E-13	7.18E-09	1.76E-08
Boron	Soil	industria kg	5.22E-14		1.42E-10	1.42E-11	6.15E-15	2.46E-15	1.44E-10	3.52E-10
Calcium	Soil	industria kg	2.09E-11		5.69E-08	5.68E-09	2.45E-12	9.80E-13	5.75E-08	1.41E-07
Carbon	Soil	industria kg	1.56E-11		4.27E-08	4.26E-09	1.84E-12	7.36E-13	4.31E-08	1.05E-07
Chloride	Soil	industria kg	1.83E-11		5.00E-08	4.97E-09	2.14E-12	8.57E-13	5.03E-08	1.23E-07
Chromium	Soil	industria kg	2.61E-14		7.12E-11	7.10E-12	3.07E-15	1.23E-15	7.18E-11	1.76E-10
Copper	Soil	industria kg	1.29E-16		3.77E-13	2.78E-14	1.24E-17	4.98E-18	1.07E-12	4.81E-12
Fluoride	Soil	industria kg	2.61E-13		7.12E-10	7.10E-11	3.07E-14	1.23E-14	7.18E-10	1.76E-09
Glyphosate	Soil	industria kg	5.16E-12		1.12E-09	3.10E-09	9.68E-14	3.87E-14	6.58E-09	3.67E-08
Heat, waste	Soil	industria MJ	8.57E-11		1.70E-07	1.19E-07	9.04E-12	3.62E-12	1.61E-07	5.79E-07
Iron	Soil	industria kg	1.05E-11		2.85E-08	2.84E-09	1.23E-12	4.90E-13	2.87E-08	7.02E-08
Magnesium	Soil	industria kg	4.18E-12		1.14E-08	1.14E-09	4.91E-13	1.96E-13	1.15E-08	2.81E-08
Manganese	Soil	industria kg	2.09E-13		5.69E-10	5.68E-11	2.45E-14	9.80E-15	5.75E-10	1.41E-09
Oils, unspecified	Soil	industria kg	3.59E-14		5.26E-11	6.08E-12	3.66E-15	1.46E-15	6.67E-11	1.54E-07
Phosphorus	Soil	industria kg	2.61E-13		7.12E-10	7.10E-11	3.07E-14	1.23E-14	7.18E-10	1.76E-09
Potassium	Soil	industria kg	1.83E-12		5.00E-09	4.97E-10	2.14E-13	8.57E-14	5.03E-09	1.23E-08
Silicon	Soil	industria kg	5.22E-13		1.42E-09	1.42E-10	6.15E-14	2.46E-14	1.44E-09	3.52E-09
Sodium	Soil	industria kg	1.05E-11		2.85E-08	2.84E-09	1.23E-12	4.90E-13	2.87E-08	7.02E-08
Strontium	Soil	industria kg	5.22E-14		1.42E-10	1.42E-11	6.15E-15	2.46E-15	1.44E-10	3.52E-10
Sulfur	Soil	industria kg	3.14E-12		8.54E-09	8.53E-10	3.68E-13	1.47E-13	8.61E-09	2.11E-08
Zinc	Soil	industria kg	7.83E-14		2.14E-10	2.13E-11	9.18E-15	3.67E-15	2.16E-10	5.27E-10
Primary energy, non renewable		MJ								
Tetrachloroethylene	Air	kg								

				Filage du coton			Filage du coton	Tissage				Tissage	
				Electricité	Lubrifiant	TOTAL	Debouillissage	Teinture	Séchage	Encollage	Electricité	TOTAL
Inventory	Compartr	Sub-com	Unit									
Energy, gross calorific value,	Raw	biotic	MJ	5.90E-06	8.65E-06	3.75E-05	2.30E-05	1.45E-11	9.58E-07	2.76E-03	1.49E-05	2.80E-03
Peat, in ground	Raw	biotic	kg	2.34E-09	8.81E-11	3.05E-09	6.22E-10	1.38E-16	1.20E-10	2.42E-10	5.89E-09	6.87E-09
Wood, hard, standing	Raw	biotic	m3	1.85E-10	2.14E-10	1.04E-09	6.37E-10	4.27E-16	3.74E-11	1.70E-10	4.66E-10	1.31E-09
Wood, soft, standing	Raw	biotic	m3	3.78E-10	6.42E-10	2.58E-09	1.56E-09	9.77E-16	5.18E-11	1.50E-09	9.54E-10	4.06E-09
Wood, unspecified, standing/	Raw	biotic	m3	1.51E-14	2.37E-14	3.70E-13	3.31E-13	5.93E-20	2.72E-15	2.79E-14	3.80E-14	3.99E-13
Carbon dioxide, in air	Raw	in air	kg	5.27E-07	7.77E-07	3.33E-06	2.03E-06	1.30E-12	8.64E-08	2.44E-04	1.33E-06	2.47E-04
Energy, kinetic, flow, in wind	Raw	in air	MJ	6.35E-06	9.37E-06	4.41E-05	2.84E-05	1.79E-11	1.11E-06	8.92E-06	1.60E-05	5.45E-05
Energy, solar	Raw	in air	MJ	8.45E-08	1.24E-07	5.84E-07	3.75E-07	3.58E-13	1.48E-08	1.43E-07	2.13E-07	7.46E-07
Aluminium, 24% in bauxite, 1	Raw	in ground	kg	7.00E-08	3.63E-08	2.51E-07	1.45E-07	4.10E-14	4.42E-09	7.77E-08	1.76E-07	4.03E-07
Anhydrite, in ground	Raw	in ground	kg	2.52E-12	1.54E-12	9.73E-11	9.32E-11	6.33E-19	1.90E-13	8.06E-13	6.35E-12	1.01E-10
Barite, 15% in crude ore, in g	Raw	in ground	kg	2.27E-06	9.78E-07	3.56E-06	3.10E-07	2.37E-13	1.82E-07	4.06E-08	5.74E-06	6.27E-06
Basalt, in ground	Raw	in ground	kg	3.16E-08	2.82E-08	1.01E-07	4.10E-08	1.81E-14	6.89E-10	3.74E-08	7.97E-08	1.59E-07
Borax, in ground	Raw	in ground	kg	7.85E-13	1.79E-11	5.00E-11	3.13E-11	1.37E-17	8.36E-14	2.49E-11	1.98E-12	5.83E-11
Calcite, in ground	Raw	in ground	kg	1.23E-05	1.79E-06	2.02E-05	6.08E-06	2.81E-12	4.24E-07	2.46E-06	3.10E-05	3.99E-05
Chromium, 25.5 in chromite,	Raw	in ground	kg	1.45E-08	7.03E-08	2.06E-07	1.21E-07	5.66E-14	2.15E-09	1.38E-07	3.65E-08	2.98E-07
Chrysotile, in ground	Raw	in ground	kg	4.27E-12	2.08E-12	2.72E-09	2.72E-09	4.66E-17	3.55E-13	1.17E-12	1.08E-11	2.73E-09
Cinnabar, in ground	Raw	in ground	kg	3.97E-13	1.91E-13	2.51E-10	2.50E-10	4.32E-18	3.27E-14	1.03E-13	1.00E-12	2.51E-10
Clay, bentonite, in ground	Raw	in ground	kg	2.34E-07	8.06E-08	3.42E-07	2.72E-08	3.34E-14	1.82E-08	4.09E-08	5.91E-07	6.77E-07
Clay, unspecified, in ground	Raw	in ground	kg	1.15E-06	8.74E-07	3.17E-06	1.15E-06	8.60E-13	1.10E-07	1.14E-06	2.89E-06	5.29E-06
Coal, brown, in ground	Raw	in ground	kg	7.99E-06	1.28E-05	5.97E-05	3.89E-05	2.43E-11	1.48E-06	1.13E-05	2.02E-05	7.19E-05
Coal, hard, unspecified, in gr	Raw	in ground	kg	7.58E-06	7.95E-06	4.02E-05	2.47E-05	1.45E-11	1.05E-06	7.19E-06	1.91E-05	5.21E-05
Cobalt, in ground	Raw	in ground	kg	1.94E-13	5.06E-12	5.33E-12	7.51E-14	7.74E-20	1.59E-14	1.41E-13	4.88E-13	7.20E-13
Colemanite, in ground	Raw	in ground	kg	8.02E-11	4.29E-11	2.92E-10	1.69E-10	3.05E-16	2.17E-11	2.31E-10	2.02E-10	6.24E-10
Copper, 0.99% in sulfide, Cu	Raw	in ground	kg	1.86E-09	1.67E-09	6.64E-09	3.11E-09	5.61E-15	1.79E-10	3.01E-09	4.70E-09	1.10E-08
Copper, 1.18% in sulfide, Cu	Raw	in ground	kg	1.03E-08	9.24E-09	3.68E-08	1.72E-08	3.12E-14	9.89E-10	1.67E-08	2.61E-08	6.09E-08
Copper, 1.42% in sulfide, Cu	Raw	in ground	kg	2.74E-09	2.45E-09	9.75E-09	4.56E-09	8.24E-15	2.62E-10	4.43E-09	6.92E-09	1.62E-08
Copper, 2.19% in sulfide, Cu	Raw	in ground	kg	1.36E-08	1.22E-08	4.84E-08	2.27E-08	4.10E-14	1.30E-09	2.20E-08	3.43E-08	8.03E-08
Diatomite, in ground	Raw	in ground	kg	2.32E-15	8.85E-15	2.96E-14	1.84E-14	1.00E-20	3.23E-16	3.74E-14	5.85E-15	6.19E-14
Dolomite, in ground	Raw	in ground	kg	2.05E-08	4.74E-09	2.82E-08	2.95E-09	2.66E-15	1.40E-09	7.35E-09	5.18E-08	6.35E-08
Feldspar, in ground	Raw	in ground	kg	5.05E-15	4.55E-15	1.23E-14	2.69E-15	1.78E-21	6.21E-14	3.40E-14	1.27E-14	1.11E-13
Fluorine, 4.5% in apatite, 1%	Raw	in ground	kg	1.26E-09	6.76E-10	2.24E-09	3.06E-10	2.92E-16	1.01E-10	3.01E-10	3.18E-09	3.89E-09
Fluorine, 4.5% in apatite, 3%	Raw	in ground	kg	5.53E-10	2.96E-10	9.84E-10	1.35E-10	1.29E-16	4.42E-11	1.60E-08	1.39E-09	1.75E-08
Fluorspar, 92%, in ground	Raw	in ground	kg	3.24E-08	1.78E-08	1.56E-07	1.06E-07	9.23E-15	2.62E-09	8.08E-09	8.16E-08	1.98E-07
Gas, mine, off-gas, process,	Raw	in ground	m3	7.35E-08	7.88E-08	3.87E-07	2.34E-07	1.45E-13	1.04E-08	8.46E-08	1.85E-07	5.14E-07
Gas, natural, in ground	Raw	in ground	m3	1.44E-03	1.96E-05	1.50E-03	4.09E-05	2.57E-11	8.47E-05	1.25E-05	3.63E-03	3.76E-03
Granite, in ground	Raw	in ground	kg	6.87E-11	1.15E-11	1.07E-10	2.63E-11	9.59E-18	4.47E-12	4.81E-11	1.73E-10	2.52E-10
Gravel, in ground	Raw	in ground	kg	5.87E-05	9.87E-06	8.34E-05	1.48E-05	1.16E-11	4.25E-06	1.49E-05	1.48E-04	1.82E-04
Gypsum, in ground	Raw	in ground	kg	7.02E-11	2.12E-10	6.66E-10	3.84E-10	1.54E-16	4.57E-12	2.91E-10	1.77E-10	8.57E-10
Iron, 46% in ore, 25% in crud	Raw	in ground	kg	8.75E-06	1.96E-06	1.19E-05	1.16E-06	1.09E-12	6.38E-07	3.03E-06	2.21E-05	2.69E-05
Kaolinite, 24% in crude ore, i	Raw	in ground	kg	1.98E-10	2.38E-10	9.53E-10	5.17E-10	3.38E-16	1.91E-11	7.66E-10	4.99E-10	1.80E-09
Kieserite, 25% in crude ore, i	Raw	in ground	kg	9.72E-13	1.82E-12	6.87E-12	4.08E-12	2.52E-18	1.25E-13	9.12E-12	2.45E-12	1.58E-11
Lead, 5%, in sulfide, Pb 2.97	Raw	in ground	kg	3.12E-08	1.50E-08	8.20E-08	3.58E-08	4.43E-14	3.44E-09	6.44E-08	7.86E-08	1.82E-07
Magnesite, 60% in crude ore,	Raw	in ground	kg	1.16E-07	2.64E-08	1.59E-07	1.65E-08	1.36E-14	9.25E-09	1.51E-08	2.93E-07	3.34E-07
Manganese, 35.7% in sedime	Raw	in ground	kg	4.36E-09	5.37E-09	1.73E-08	7.55E-09	4.33E-15	5.01E-10	7.37E-09	1.10E-08	2.64E-08
Molybdenum, 0.010% in sulfi	Raw	in ground	kg	9.41E-11	8.42E-11	3.35E-10	1.56E-10	2.84E-16	9.01E-12	1.52E-10	2.37E-10	5.55E-10
Molybdenum, 0.014% in sulfi	Raw	in ground	kg	1.34E-11	1.20E-11	4.77E-11	2.23E-11	4.04E-17	1.28E-12	2.17E-11	3.38E-11	7.91E-11
Molybdenum, 0.022% in sulfi	Raw	in ground	kg	1.53E-09	1.88E-09	6.12E-09	2.70E-09	1.52E-15	1.76E-10	2.59E-09	3.86E-09	9.33E-09
Molybdenum, 0.025% in sulfi	Raw	in ground	kg	4.91E-11	4.40E-11	1.75E-10	8.19E-11	1.48E-16	4.71E-12	7.94E-11	1.24E-10	2.90E-10
Molybdenum, 0.11% in sulfid	Raw	in ground	kg	3.09E-09	3.81E-09	1.23E-08	5.44E-09	3.06E-15	3.54E-10	5.22E-09	7.79E-09	1.88E-08
Nickel, 1.13% in sulfide, Ni 0.	Raw	in ground	kg	1.63E-10	2.82E-11	9.86E-10	7.95E-10	4.00E-17	3.55E-12	6.53E-10	4.11E-10	1.86E-09
Nickel, 1.98% in silicates, 1.0	Raw	in ground	kg	1.01E-07	1.28E-07	4.29E-07	1.99E-07	9.77E-14	8.86E-09	2.44E-07	2.56E-07	7.08E-07
Oil, crude, in ground	Raw	in ground	kg	1.51E-04	1.91E-04	3.65E-04	2.29E-05	4.34E-11	1.85E-05	7.02E-06	3.82E-04	4.30E-04
Olivine, in ground	Raw	in ground	kg	9.14E-13	5.60E-13	3.58E-11	3.44E-11	2.91E-19	6.97E-14	3.67E-13	2.30E-12	3.71E-11
Pd, Pd 2.0E-4%, Pt 4.8E-4%,	Raw	in ground	kg	1.78E-13	2.37E-13	4.25E-13	1.04E-14	7.56E-19	2.18E-14	1.21E-14	4.48E-13	4.93E-13
Pd, Pd 7.3E-4%, Pt 2.5E-4%,	Raw	in ground	kg	4.28E-13	5.69E-13	1.02E-12	2.51E-14	1.81E-18	5.24E-14	2.91E-14	1.08E-12	1.19E-12
Phosphorus, 18% in apatite,	Raw	in ground	kg	2.20E-09	1.19E-09	1.70E-08	1.36E-08	5.16E-16	2.49E-10	6.36E-08	5.56E-09	8.30E-08
Phosphorus, 18% in apatite,	Raw	in ground	kg	5.05E-09	2.71E-09	8.98E-09	1.22E-09	1.17E-15	4.03E-10	1.20E-09	1.27E-08	1.56E-08
Pt, Pt 2.5E-4%, Pd 7.3E-4%,	Raw	in ground	kg	4.15E-15	5.54E-15	1.01E-14	4.57E-16	1.76E-20	5.10E-16	3.72E-16	1.05E-14	1.18E-14
Pt, Pt 4.8E-4%, Pd 2.0E-4%,	Raw	in ground	kg	1.49E-14	1.99E-14	3.64E-14	1.64E-15	6.33E-20	1.83E-15	1.34E-15	3.75E-14	4.23E-14
Rh, Rh 2.0E-5%, Pt 2.5E-4%	Raw	in ground	kg	4.07E-15	5.42E-15	9.73E-15	2.37E-16	1.72E-20	4.98E-16	2.76E-16	1.03E-14	1.13E-14
Rh, Rh 2.4E-5%, Pt 4.8E-4%	Raw	in ground	kg	1.27E-14	1.69E-14	3.04E-14	7.45E-16	5.38E-20	1.55E-15	8.67E-16	3.21E-14	3.53E-14
Rhenium, in crude ore, in gro	Raw	in ground	kg	4.49E-15	7.68E-15	1.25E-14	3.22E-16	1.15E-21	5.46E-16	6.14E-16	1.13E-14	1.28E-14
Rutile, in ground	Raw	in ground	kg	4.65E-15	4.24E-15	1.08E-14	1.94E-15	1.49E-21	4.02E-16	2.36E-15	1.17E-14	1.64E-14
Sand, unspecified, in ground	Raw	in ground	kg	9.21E-11	6.88E-11	5.42E-08	5.40E-08	1.16E-16	9.77E-12	7.44E-11	2.32E-10	5.43E-08
Shale, in ground	Raw	in ground	kg	7.15E-12	4.36E-12	2.75E-10	2.63E-10	1.79E-18	5.40E-13	2.29E-12	1.80E-11	2.84E-10
Silver, 0.01% in crude ore, in	Raw	in ground	kg	3.45E-14	5.06E-14	2.39E-13	1.54E-13	1.47E-19	6.06E-15	5.86E-14	8.71E-14	3.05E-13
Sodium chloride, in ground	Raw	in ground	kg	3.00E-07	1.47E-07	9.42E-05	9.38E-05	1.74E-12	2.51E-08	9.00E-08	7.57E-07	9.46E-05
Sodium sulphate, various forr	Raw	in ground	kg	1.05E-08	5.65E-09	1.87E-08	2.53E-09	2.43E-15	8.40E-10	2.51E-09	2.66E-08	3.24E-08
Stibnite, in ground	Raw	in ground	kg	2.41E-16	9.19E-16	3.08E-15	1.92E-15	1.04E-21	3.35E-17	3.89E-15	6.08E-16	6.45E-15
Sulfur, in ground	Raw	in ground	kg	1.11E-10	8.78E-11	1.13E-07	1.12E-07	1.25E-16	1.21E-11	9.76E-11	2.81E-10	1.13E-07
Sylvite, 25 % in sylvinite, in g	Raw	in ground	kg	3.16E-10	4.41E-10	1.84E-09	1.08E-09	1.11E-15	5.23E-11	3.03E-06	7.98E-10	3.03E-06
Talc, in ground	Raw	in ground	kg	1.91E-11	1.59E-11	8.76E-11	5.26E-11	2.67E-17	1.27E-11	2.91E-11	4.82E-11	1.43E-10
Tin, 79% in cassiterite, 0.1%	Raw	in ground	kg	1.17E-11	9.17E-11	2.61E-10	1.58E-10	6.74E-17	9.51E-13	1.28E-10	2.95E-11	3.17E-10
TiO2, 45-60% in Ilmenite, in	Raw	in ground	kg	2.05E-08	1.19E-08	4.06E-08	8.20E-09	7.01E-15	1.78E-09	1.06E-08	5.18E-08	7.23E-08
Ulexite, in ground	Raw	in ground	kg	3.08E-12	4.55E-12	2.14E-11	1.37E-11	8.69E-18	5.42E-13	4.32E-12	7.77E-12	2.64E-11
Uranium, in ground	Raw	in ground	kg	4.14E-10	6.64E-10	3.15E-09	2.07E-09	1.76E-15	7.70E-11	4.02E-10	1.04E-09	3.59E-09
Vermiculite, in ground	Raw	in ground	kg	1.56E-12	1.23E-12	5.76E-12	2.97E-12	1.14E-18	2.42E-10	1.24E-10	3.95E-12	3.73E-10
Volume occupied, final repos	Raw	in ground	m3	8.52E-13	1.37E-12	6.39E-12	4.16E-12	3.64E-18	1.59E-13	8.36E-13	2.15E-12	7.31E-12
Volume occupied, final repos	Raw	in ground	m3	2.13E-13	3.45E-13	1.61E-12	1.05E-12	8.78E-19	4.00E-14	1.83E-13	5.37E-13	1.81E-12
Volume occupied, undergrou	Raw	in ground	m3	3.63E-11	2.88E-12	5.50E-11	1.57E-11	2.54E-18	2.27E-12	2.12E-12	9.17E-11	1.12E-10
Zinc 9%, in sulfide, Zn 5.34%	Raw	in ground	kg	4.33E-09	2.91E-08	7.75E-08	4.41E-08	1.85E-14	5.36E-10	4.95E-08	1.09E-08	1.05E-07
Energy, potential, stock, in ba	Raw	in water	MJ	2.93E-04	5.76E-05	5.27E-04	1.77E-04	2.11E-10	1.14E-05	4.16E-05	7.38E-04	9.67E-04
Magnesium, 0.13% in water	Raw	in water	kg	7.64E-14	1.46E-13	5.85E-13	3.62E-13	2.85E-19	1.27E-14	3.74E-13	1.93E-13	9.41E-13
Volume occupied, reservoir	Raw	in water	m3y	4.23E-06	8.28E-07	7.55E-06	2.50E-06	3.39E-12	2.54E-07	5.96E-07	1.07E-05	1.40E-05
Water, cooling, unspecified n	Raw	in water	m3	5.83E-05	2.10E-06	7.40E-05	1.36E-05	2.76E-12	2.40E-07	8.90E-07	1.47E-04	1.62E-04
Water, lake	Raw	in water	m3	1.53E-09	1.20E-09	5.63E-09	2.89E-09	1.11E-15	2.37E-07	1.21E-07	3.86E-09	3.65E-07
Water, river	Raw	in water	m3	1.06E-05	4.13E-07	1.19E-05	8.52E-07	7.33E-13	6.38E-07	5.10E-07	2.68E-05	2.88E-05
Water, salt, ocean	Raw	in water	m3	1.15E-06	1.08E-07	1.40E-06	1.45E-07	1.21E-13	7.34E-08	2.20E-08	2.89E-06	3.13E-06
Water, salt, sole	Raw	in water	m3	1.22E-07	1.51E-07	2.81E-07	6.83E-09	3.33E-14	1.48E-08	4.76E-09	3.09E-07	3.35E-07
Water, turbine use, unspecifie	Raw	in water	m3	1.72E-03	3.88E-04	3.28E-03	1.17E-03	1.24E-09	4.51E-05	2.66E-04	4.34E-03	5.82E-03
Water, unspecified natural ori	Raw	in water	m3	3.19E-06	3.82E-06	5.84E-05	5.14E-05	1.41E-04	3.93E-07	7.13E-07	8.05E-06	2.02E-04
Water, well, in ground	Raw	in water	m3	1.28E-07	9.58E-08	4.78E-07	2.54E-07	1.90E-13	4.89E-07	3.42E-07	3.22E-07	1.41E-06
Occup. as Convent. arable la	Raw	land	m2a	1.80E-09	1.69E-09	6.08E-09	2.59E-09	1.75E-15	3.30E-10	2.15E-04	4.54E-09	2.15E-04

				Filage du coton			Filage du coton	Tissage				Tissage	
				Electricité	Lubrifiant	TOTAL	Debouillissage	Teinture	Séchage	Encollage	Electricité	TOTAL
Occupation, construction site	Raw	land	m2a	1.75E-07	2.86E-08	2.20E-07	1.62E-08	1.19E-14	1.14E-08	2.46E-08	4.41E-07	4.93E-07
Occupation, dump site	Raw	land	m2a	1.01E-07	9.68E-08	4.25E-07	2.27E-07	1.98E-13	1.16E-08	1.37E-07	2.55E-07	6.32E-07
Occupation, dump site, benth	Raw	land	m2a	4.09E-07	7.32E-08	4.90E-07	7.16E-09	2.07E-14	2.76E-08	4.76E-09	1.03E-06	1.07E-06
Occup. as Forest land	Raw	land	m2a	8.28E-09	1.44E-08	9.25E-08	6.99E-08	2.23E-14	7.67E-10	4.90E-08	2.09E-08	1.40E-07
Occup. as Forest land	Raw	land	m2a	6.42E-07	1.24E-06	4.72E-06	2.84E-06	1.77E-12	1.16E-07	3.65E-06	1.62E-06	8.22E-06
Occup. as Industrial area	Raw	land	m2a	1.12E-06	6.13E-07	1.84E-06	1.04E-07	1.76E-13	9.79E-08	5.08E-08	2.82E-06	3.08E-06
Occupation, industrial area, b	Raw	land	m2a	3.90E-09	5.68E-10	4.52E-09	5.96E-11	1.52E-16	2.56E-10	4.34E-11	9.83E-09	1.02E-08
Occupation, industrial area, b	Raw	land	m2a	4.77E-08	1.41E-07	3.93E-07	2.05E-07	9.37E-14	4.15E-09	2.02E-07	1.20E-07	5.31E-07
Occupation, industrial area, v	Raw	land	m2a	2.04E-08	4.86E-08	1.35E-07	6.57E-08	3.12E-14	2.01E-09	5.44E-08	5.15E-08	1.74E-07
Occupation, mineral extractio	Raw	land	m2a	2.63E-07	9.97E-08	5.12E-07	1.48E-07	1.07E-13	2.23E-08	7.66E-08	6.64E-07	9.12E-07
Occupation, permanent crop,	Raw	land	m2a	5.61E-09	1.29E-09	7.04E-09	1.37E-10	3.24E-16	3.93E-10	1.01E-10	1.41E-08	1.48E-08
Occup. as Discont. urban lan	Raw	land	m2a	4.50E-09	1.36E-09	9.48E-09	3.62E-09	2.47E-15	3.40E-10	4.61E-09	1.13E-08	1.99E-08
Occup. as rail/ road area	Raw	land	m2a	1.22E-08	7.79E-09	4.35E-08	2.35E-08	3.21E-14	1.20E-09	6.31E-09	3.09E-08	6.19E-08
Occup. as rail/ road area	Raw	land	m2a	1.35E-08	8.62E-09	4.81E-08	2.60E-08	3.55E-14	1.32E-09	6.98E-09	3.41E-08	6.84E-08
Occup. as rail/ road area	Raw	land	m2a	9.96E-09	1.46E-08	6.09E-08	3.63E-08	2.02E-14	1.53E-09	4.46E-08	2.51E-08	1.08E-07
Occup. as rail/ road area	Raw	land	m2a	1.68E-07	2.55E-07	4.96E-07	7.31E-08	4.62E-14	1.77E-08	9.76E-08	4.24E-07	6.12E-07
Occup. as Contin. urban land	Raw	land	m2a	3.41E-11	1.64E-11	5.92E-11	8.71E-12	5.38E-18	2.92E-12	4.90E-07	8.60E-11	4.90E-07
Occupation, water bodies, art	Raw	land	m2a	2.71E-07	1.09E-07	6.11E-07	2.31E-07	1.88E-13	2.23E-08	4.68E-08	6.82E-07	9.82E-07
Occupation, water courses, a	Raw	land	m2a	2.08E-07	8.22E-08	4.10E-07	1.20E-07	1.29E-13	8.87E-09	7.12E-08	5.24E-07	7.24E-07
Transformation, from arable	Raw	land	m2	3.94E-11	3.63E-11	1.91E-10	1.15E-10	1.16E-16	5.52E-12	3.53E-11	9.94E-11	2.55E-10
Transformation, from arable,	Raw	land	m2	3.32E-09	3.13E-09	1.12E-08	4.79E-09	3.22E-15	6.10E-10	3.97E-04	8.38E-09	3.97E-04
Transformation, from arable,	Raw	land	m2	4.45E-12	2.32E-12	1.60E-11	9.18E-12	2.63E-18	2.80E-13	4.96E-12	1.12E-11	2.56E-11
Transformation, from dump s	Raw	land	m2	6.18E-10	1.32E-10	9.84E-10	2.34E-10	1.48E-16	3.90E-11	2.93E-10	1.56E-09	2.12E-09
Transformation, from dump s	Raw	land	m2	2.30E-10	1.32E-10	8.38E-10	4.76E-10	3.38E-16	1.87E-11	6.11E-10	5.80E-10	1.69E-09
Transformation, from dump s	Raw	land	m2	4.86E-11	6.95E-12	6.62E-11	1.07E-11	8.01E-18	9.97E-12	1.80E-11	1.23E-10	1.61E-10
Transformation, from dump s	Raw	land	m2	1.50E-12	8.37E-13	5.05E-12	2.71E-12	5.93E-19	8.04E-14	8.99E-13	3.79E-12	7.48E-12
Transformation, from forest	Raw	land	m2	5.35E-07	2.47E-07	7.98E-07	1.59E-08	5.75E-14	4.38E-08	1.00E-08	1.35E-06	1.42E-06
Transformation, from forest, e	Raw	land	m2	4.78E-09	9.65E-09	3.62E-08	2.18E-08	1.33E-14	8.30E-10	3.03E-08	1.21E-08	6.49E-08
Transformation, from industri	Raw	land	m2	6.81E-09	1.96E-10	7.33E-09	3.26E-10	3.20E-16	4.09E-10	1.02E-10	1.72E-08	1.80E-08
Transformation, from industri	Raw	land	m2	4.59E-11	3.55E-13	4.68E-11	5.17E-13	5.57E-19	2.70E-12	3.79E-13	1.16E-10	1.19E-10
Transformation, from industri	Raw	land	m2	1.80E-12	9.65E-13	3.20E-12	4.37E-13	4.18E-19	1.44E-13	4.29E-13	4.54E-12	5.55E-12
Transformation, from industri	Raw	land	m2	3.07E-12	1.64E-12	5.46E-12	7.45E-13	7.10E-19	2.45E-13	7.34E-13	7.75E-12	9.47E-12
Transformation, from mineral	Raw	land	m2	6.61E-09	1.78E-09	1.10E-08	2.64E-09	1.89E-15	5.12E-10	1.88E-09	1.67E-08	2.17E-08
Transformation, from pasture	Raw	land	m2	9.31E-09	8.37E-10	1.23E-08	2.12E-09	1.75E-15	5.45E-10	1.17E-08	2.35E-08	3.78E-08
Transformation, from pasture	Raw	land	m2	2.68E-12	2.51E-12	9.05E-12	3.86E-12	2.60E-18	4.92E-13	3.20E-07	6.75E-12	3.20E-07
Transformation, from sea anc	Raw	land	m2	4.09E-07	7.32E-08	4.90E-07	7.17E-09	2.07E-14	2.76E-08	4.76E-09	1.03E-06	1.07E-06
Transformation, from shrub la	Raw	land	m2	1.96E-09	5.04E-10	3.88E-09	1.42E-09	1.24E-15	9.42E-11	1.08E-09	4.93E-09	7.53E-09
Transformation, from unknow	Raw	land	m2	3.65E-08	1.41E-08	6.84E-08	1.78E-08	1.21E-14	2.58E-09	1.33E-08	9.20E-08	1.26E-07
Transformation, to arable	Raw	land	m2	7.49E-08	1.18E-09	7.87E-08	2.65E-09	1.40E-15	4.43E-09	1.18E-09	1.89E-07	1.97E-07
Transformation, to arable, no	Raw	land	m2	3.33E-09	3.13E-09	1.12E-08	4.79E-09	3.23E-15	6.11E-10	3.97E-04	8.39E-09	3.97E-04
Transformation, to arable, no	Raw	land	m2	9.00E-12	5.72E-12	2.88E-11	1.41E-11	6.02E-18	7.05E-13	9.56E-12	2.27E-11	4.70E-11
Transformation, to dump site	Raw	land	m2	6.92E-10	7.31E-10	3.12E-09	1.69E-09	1.48E-15	8.37E-11	9.12E-10	1.75E-09	4.44E-09
Transformation, to dump site,	Raw	land	m2	4.09E-07	7.32E-08	4.90E-07	7.16E-09	2.07E-14	2.76E-08	4.76E-09	1.03E-06	1.07E-06
Transformation, to dump site,	Raw	land	m2	6.18E-10	1.32E-10	9.84E-10	2.34E-10	1.48E-16	3.90E-11	2.93E-10	1.56E-09	2.12E-09
Transformation, to dump site,	Raw	land	m2	2.30E-10	1.32E-10	8.38E-10	4.76E-10	3.38E-16	1.87E-11	6.11E-10	5.80E-10	1.69E-09
Transformation, to dump site,	Raw	land	m2	4.86E-11	6.95E-12	6.62E-11	1.07E-11	8.01E-18	9.97E-12	1.80E-11	1.23E-10	1.61E-10
Transformation, to dump site,	Raw	land	m2	1.50E-12	8.37E-13	5.05E-12	2.71E-12	5.93E-19	8.04E-14	8.99E-13	3.79E-12	7.48E-12
Transformation, to forest	Raw	land	m2	5.51E-09	9.28E-10	7.89E-09	1.45E-09	1.08E-15	3.90E-10	1.85E-09	1.39E-08	1.76E-08
Transformation, to forest, inte	Raw	land	m2	5.52E-11	9.56E-11	6.16E-10	4.65E-10	1.48E-16	5.11E-12	3.26E-10	1.39E-10	9.36E-10
Transformation, to forest, inte	Raw	land	m2	4.63E-09	9.45E-09	3.52E-08	2.11E-08	1.30E-14	8.13E-10	2.96E-08	1.17E-08	6.32E-08
Transformation, to heterogen	Raw	land	m2	2.60E-08	1.15E-08	3.81E-08	7.02E-10	2.47E-15	2.09E-09	4.80E-10	6.55E-08	6.87E-08
Transformation, to industrial a	Raw	land	m2	1.55E-08	8.13E-10	1.81E-08	1.76E-09	1.17E-15	7.63E-10	7.34E-10	3.90E-08	4.23E-08
Transformation, to industrial a	Raw	land	m2	1.12E-10	2.87E-11	1.51E-10	9.99E-12	9.59E-18	7.80E-12	7.96E-12	2.84E-10	3.09E-10
Transformation, to industrial a	Raw	land	m2	9.62E-10	2.95E-09	8.11E-09	4.20E-09	1.99E-15	9.10E-11	3.79E-09	2.43E-09	1.05E-08
Transformation, to industrial a	Raw	land	m2	5.20E-10	1.14E-09	3.05E-09	1.39E-09	6.79E-16	5.46E-11	1.12E-09	1.31E-09	3.87E-09
Transformation, to mineral ex	Raw	land	m2	4.54E-07	2.40E-07	7.14E-07	2.05E-08	5.93E-14	3.87E-08	1.41E-08	1.14E-06	1.22E-06
Transformation, to pasture ar	Raw	land	m2	6.73E-09	6.41E-11	6.89E-09	1.02E-10	1.13E-16	3.95E-10	1.57E-10	1.70E-08	1.76E-08
Transformation, to permanen	Raw	land	m2	5.61E-11	1.29E-11	7.04E-11	1.37E-12	3.24E-18	3.93E-12	1.01E-12	1.41E-10	1.48E-10
Transformation, to sea and o	Raw	land	m2	4.59E-11	3.55E-13	4.68E-11	5.17E-13	5.57E-19	2.70E-12	3.79E-13	1.16E-10	1.19E-10
Transformation, to shrub land	Raw	land	m2	8.98E-10	2.72E-10	1.89E-09	7.24E-10	4.93E-16	6.78E-11	9.22E-10	2.26E-09	3.98E-09
Transformation, to traffic area	Raw	land	m2	2.84E-11	1.81E-11	1.01E-10	5.46E-11	7.47E-17	2.79E-12	1.47E-11	7.17E-11	1.44E-10
Transformation, to traffic area	Raw	land	m2	3.13E-11	2.00E-11	1.11E-10	6.02E-11	8.19E-17	3.07E-12	1.61E-11	7.89E-11	1.58E-10
Transformation, to traffic area	Raw	land	m2	5.51E-11	1.00E-10	3.90E-10	2.34E-10	1.36E-16	9.01E-12	3.18E-10	1.39E-10	7.00E-10
Transformation, to traffic area	Raw	land	m2	2.07E-09	3.04E-09	5.79E-09	6.78E-10	5.34E-16	2.05E-10	9.02E-10	5.22E-09	7.01E-09
Transformation, to unknown	Raw	land	m2	1.71E-09	7.13E-10	2.88E-09	4.56E-10	4.62E-16	1.40E-10	3.74E-10	4.32E-09	5.29E-09
Transformation, to urban, dis	Raw	land	m2	6.80E-13	3.28E-13	1.18E-12	1.73E-13	1.07E-19	5.82E-14	9.74E-09	1.72E-12	9.74E-09
Transformation, to water bodi	Raw	land	m2	5.43E-09	1.38E-09	9.18E-09	2.36E-09	1.92E-15	4.11E-10	1.16E-09	1.37E-08	1.76E-08
Transformation, to water cour	Raw	land	m2	2.41E-09	8.41E-10	4.71E-09	1.46E-09	1.56E-15	9.17E-11	7.05E-10	6.08E-09	8.34E-09
Acetic acid	Air		kg	7.06E-11	5.86E-11	1.37E-10	8.01E-12	1.44E-17	6.15E-12	3.40E-11	1.78E-10	2.26E-10
Aluminum	Air		kg	2.36E-09	1.78E-09	8.37E-09	4.23E-09	3.22E-15	2.48E-10	1.92E-09	5.95E-09	1.23E-08
Ammonia	Air		kg	1.26E-09	1.46E-09	5.01E-09	2.29E-09	1.60E-15	1.30E-10	1.36E-09	3.18E-09	6.96E-09
Antimony	Air		kg	4.65E-15	1.72E-15	8.23E-15	1.87E-15	2.41E-21	4.37E-16	2.05E-15	1.17E-14	1.61E-14
Arsenic	Air		kg	2.79E-14	1.03E-14	4.95E-14	1.12E-14	1.45E-20	2.62E-15	1.23E-14	7.04E-14	9.66E-14
Benzene	Air		kg	6.16E-11	3.58E-11	2.07E-10	1.09E-10	4.29E-17	6.37E-12	8.67E-11	1.55E-10	3.58E-10
Benzene, hexachloro-	Air		kg	7.92E-14	1.78E-14	1.08E-13	1.11E-14	8.96E-21	6.29E-15	1.01E-14	2.00E-13	2.27E-13
Benzo(a)pyrene	Air		kg	1.56E-13	5.54E-14	3.84E-13	1.73E-13	5.29E-20	8.88E-15	9.04E-14	3.93E-13	6.65E-13
Beryllium	Air		kg	6.98E-15	2.56E-15	1.24E-14	2.81E-15	3.62E-21	6.55E-16	3.08E-15	1.76E-14	2.41E-14
Butadiene	Air		kg	2.09E-17	2.78E-17	5.00E-17	1.28E-18	8.87E-23	2.56E-18	1.45E-18	5.27E-17	5.80E-17
Cadmium	Air		kg	3.28E-13	8.28E-14	4.88E-13	7.72E-14	5.43E-20	2.56E-14	9.44E-14	8.27E-13	1.02E-12
Carbon dioxide, biogenic	Air		kg	3.51E-08	1.29E-08	6.21E-08	1.41E-08	1.82E-14	3.30E-09	1.55E-08	8.84E-08	1.21E-07
Carbon dioxide, fossil	Air		kg	1.42E-05	4.01E-06	2.45E-05	6.31E-06	3.72E-12	8.80E-07	5.30E-06	3.58E-05	4.82E-05
Carbon monoxide, biogenic	Air		kg	2.46E-09	1.01E-09	8.68E-09	5.21E-09	1.36E-15	9.17E-11	2.49E-09	6.21E-09	1.40E-08
Carbon monoxide, fossil	Air		kg	3.02E-07	7.53E-08	4.30E-07	5.32E-08	4.30E-14	2.19E-08	1.02E-07	7.61E-07	9.38E-07
Chlorine	Air		kg	2.46E-15	8.19E-16	7.31E-15	4.03E-15	1.05E-21	1.50E-16	1.88E-15	6.19E-15	1.23E-14
Chromium	Air		kg	1.07E-11	2.45E-12	1.48E-11	1.68E-12	1.28E-18	7.84E-13	2.04E-12	2.69E-11	3.14E-11
Chromium VI	Air		kg	1.50E-15	6.05E-16	3.07E-15	9.64E-16	8.01E-22	1.44E-16	8.60E-16	3.78E-15	5.74E-15
Cobalt	Air		kg	1.08E-14	5.78E-15	2.74E-14	1.09E-14	1.09E-20	1.15E-15	6.36E-13	2.72E-14	6.75E-13
Copper	Air		kg	5.97E-12	1.95E-12	1.07E-11	2.79E-12	1.47E-18	4.61E-13	2.19E-12	1.51E-11	2.05E-11
Dinitrogen monoxide	Air		kg	6.06E-10	5.05E-10	2.52E-09	1.41E-09	1.08E-15	7.31E-11	4.14E-10	1.53E-09	3.42E-09
Dioxins, measured as 2,3,7,8	Air		kg	6.49E-14	1.45E-14	8.79E-14	8.49E-15	8.05E-21	4.73E-15	2.24E-14	1.64E-13	1.99E-13
Ethane, 1,1,1,2-tetrafluoro-, H	Air		kg	5.15E-12	3.21E-12	1.90E-11	1.07E-11	3.26E-18	5.57E-13	6.04E-12	1.30E-11	3.03E-11
Ethane, hexafluoro-, HFC-11	Air		kg	7.52E-13	3.08E-13	2.65E-12	1.59E-12	4.15E-19	2.80E-14	7.59E-13	1.90E-12	4.27E-12
Ethylene oxide	Air		kg	2.02E-16	2.69E-16	4.83E-16	1.24E-17	8.55E-22	2.46E-17	1.40E-17	5.08E-16	5.59E-16
Ethyne	Air		kg	3.68E-14	5.47E-14	1.87E-13	9.53E-14	5.93E-20	2.61E-15	3.01E-13	9.28E-14	4.92E-13
Fluorine	Air		kg	8.60E-18	1.26E-17	5.94E-17	3.82E-17	3.64E-23	1.50E-18	1.46E-17	2.17E-17	7.59E-17

				Filage du coton		Filage du coton	Tissage				Tissage	
				Electricité	Lubrifiant	TOTAL	Debouillissage	Teinture	Séchage	Encollage	Electricité	TOTAL
Formaldehyde	Air		kg	2.12E-12	7.59E-12	2.33E-11	1.36E-11	7.96E-18	3.10E-13	9.20E-12	5.34E-12	2.84E-11
Heat, waste	Air		MJ	2.26E-04	1.29E-04	4.78E-04	1.22E-04	1.01E-10	2.09E-05	8.26E-05	5.70E-04	7.96E-04
Helium	Air		kg	1.39E-19	8.01E-20	2.74E-19	5.49E-20	4.75E-26	1.21E-20	1.87E-18	3.51E-19	2.29E-18
Hydrocarbons, aliphatic, alka	Air		kg	1.03E-09	2.35E-10	1.41E-09	1.40E-10	1.32E-16	7.64E-11	4.00E-10	2.61E-09	3.23E-09
Hydrocarbons, aromatic	Air		kg	3.04E-10	6.87E-11	4.16E-10	4.27E-11	3.46E-17	2.42E-11	3.87E-11	7.67E-10	8.73E-10
Hydrocarbons, chlorinated	Air		kg	5.89E-13	1.07E-12	3.14E-12	1.48E-12	6.06E-19	4.87E-14	7.79E-12	1.49E-12	1.08E-11
Hydrogen	Air		kg	4.19E-12	3.47E-12	8.14E-12	4.74E-13	8.55E-19	3.64E-13	2.00E-12	1.06E-11	1.34E-11
Hydrogen chloride	Air		kg	5.02E-10	4.29E-10	1.27E-09	3.37E-10	1.83E-16	4.03E-11	3.65E-10	1.27E-09	2.01E-09
Hydrogen fluoride	Air		kg	9.85E-11	2.96E-11	1.85E-10	5.72E-11	2.19E-17	6.75E-12	4.76E-11	2.48E-10	3.60E-10
Hydrogen sulfide	Air		kg	7.21E-11	1.60E-11	9.76E-11	9.46E-12	8.96E-18	5.25E-12	2.49E-11	1.82E-10	2.21E-10
Iron	Air		kg	6.43E-11	1.46E-11	8.77E-11	8.75E-12	7.10E-18	4.32E-12	7.98E-12	1.62E-10	1.83E-10
Lead	Air		kg	3.52E-11	8.37E-12	4.90E-11	5.47E-12	4.66E-18	2.59E-12	1.13E-11	8.87E-11	1.08E-10
Manganese	Air		kg	8.75E-12	1.97E-12	1.19E-11	1.17E-12	1.06E-18	6.01E-13	2.54E-12	2.21E-11	2.64E-11
Mercury	Air		kg	9.47E-12	2.14E-12	1.30E-11	1.34E-12	1.11E-18	7.51E-13	1.35E-12	2.39E-11	2.73E-11
Methane, fossil	Air		kg	1.50E-09	4.38E-10	2.46E-09	5.23E-10	2.08E-16	1.09E-10	3.21E-10	3.77E-09	4.73E-09
Methane, tetrafluoro-, FC-14	Air		kg	6.76E-12	2.77E-12	2.39E-11	1.43E-11	3.73E-18	2.52E-13	6.83E-12	1.71E-11	3.85E-11
Methanol	Air		kg	3.56E-11	2.95E-11	6.91E-11	4.03E-12	7.29E-18	3.10E-12	1.72E-11	8.97E-11	1.14E-10
Molybdenum	Air		kg	2.45E-17	3.95E-17	1.83E-16	1.19E-16	9.41E-23	4.57E-18	2.10E-17	6.18E-17	2.07E-16
Nickel	Air		kg	5.87E-12	1.37E-12	8.27E-12	1.03E-12	7.38E-19	4.35E-13	1.56E-12	1.48E-11	1.78E-11
Nitrogen oxides	Air		kg	2.59E-07	8.78E-08	4.34E-07	8.71E-08	5.70E-14	1.89E-08	5.87E-08	6.53E-07	8.17E-07
NMVOC, non-methane volatil	Air		kg	3.37E-08	1.16E-08	5.80E-08	1.27E-08	7.60E-15	2.49E-09	8.85E-09	8.50E-08	1.09E-07
Ozone	Air		kg	3.20E-10	3.65E-10	1.79E-09	1.11E-09	8.96E-16	4.76E-11	2.37E-10	8.06E-10	2.20E-09
PAH, polycyclic aromatic hyd	Air		kg	1.24E-11	3.72E-12	2.27E-11	6.57E-12	2.61E-18	8.13E-13	4.64E-12	3.14E-11	4.34E-11
Particulates, < 2.5 um	Air		kg	2.72E-08	8.46E-09	4.21E-08	6.45E-09	4.08E-15	1.93E-09	4.91E-09	6.85E-08	8.18E-08
Particulates, > 10 um	Air		kg	2.38E-09	1.31E-09	7.45E-09	3.76E-09	2.78E-15	2.30E-10	1.87E-09	6.00E-09	1.19E-08
Particulates, > 2.5 um, and <	Air		kg	2.37E-09	1.19E-09	6.43E-09	2.87E-09	3.12E-15	2.13E-10	1.11E-09	5.98E-09	1.02E-08
Phenol	Air		kg	8.42E-15	4.68E-14	1.25E-13	7.01E-14	3.07E-20	9.80E-16	6.51E-14	2.12E-14	1.57E-13
Phosphorus	Air		kg	2.61E-15	8.69E-16	7.75E-15	4.28E-15	1.11E-21	1.60E-16	2.00E-15	6.57E-15	1.30E-14
Platinum	Air		kg	2.37E-19	1.40E-19	5.53E-19	1.76E-19	1.14E-25	3.29E-20	3.50E-17	5.97E-19	3.58E-17
Polychlorinated biphenyls	Air		kg	1.37E-13	3.08E-14	1.87E-13	1.88E-14	1.61E-20	1.06E-14	2.74E-14	3.46E-13	4.03E-13
Selenium	Air		kg	2.45E-14	9.40E-15	4.85E-14	1.45E-14	8.73E-21	2.00E-15	1.10E-14	6.19E-14	8.94E-14
Silicon	Air		kg	5.51E-19	3.17E-19	1.09E-18	2.17E-19	1.87E-25	4.78E-20	7.40E-18	1.39E-18	9.06E-18
Sodium	Air		kg	1.01E-15	2.99E-15	6.44E-15	2.45E-15	1.13E-21	1.03E-16	2.07E-15	2.53E-15	7.16E-15
Sulfate	Air		kg	3.56E-13	7.09E-14	4.35E-13	8.01E-15	1.79E-20	2.43E-14	6.02E-15	8.98E-13	9.36E-13
Sulfur dioxide	Air		kg	1.35E-08	3.53E-09	2.04E-08	3.40E-09	2.43E-15	1.00E-09	5.00E-09	3.39E-08	4.33E-08
Sulfur hexafluoride	Air		kg	4.88E-12	6.12E-12	2.95E-11	1.85E-11	1.42E-17	7.98E-13	4.14E-12	1.23E-11	3.58E-11
Thallium	Air		kg	3.02E-14	1.11E-14	5.35E-14	1.22E-14	1.57E-20	2.83E-15	1.33E-14	7.62E-14	1.05E-13
Tin	Air		kg	5.75E-14	1.15E-13	3.28E-13	1.56E-13	8.01E-20	5.63E-15	1.77E-13	1.45E-13	4.83E-13
Titanium	Air		kg	1.13E-13	2.53E-14	1.53E-13	1.48E-14	1.40E-20	8.24E-15	3.90E-14	2.85E-13	3.47E-13
Toluene	Air		kg	2.25E-11	1.40E-11	8.14E-11	4.49E-11	1.73E-17	2.43E-12	9.63E-11	5.67E-11	2.00E-10
Vanadium	Air		kg	3.23E-13	7.38E-14	4.43E-13	4.54E-14	4.47E-20	2.38E-14	1.13E-13	8.15E-13	9.97E-13
water	Air		kg	3.62E-09	2.73E-09	1.28E-08	6.50E-09	4.93E-15	3.80E-10	2.96E-09	9.12E-09	1.90E-08
Xylene	Air		kg	2.23E-11	1.40E-11	8.11E-11	4.48E-11	1.72E-17	2.41E-12	8.48E-11	5.64E-11	1.88E-10
Zinc	Air		kg	1.01E-10	3.69E-11	1.78E-10	4.02E-11	2.22E-17	8.02E-12	3.87E-11	2.53E-10	3.40E-10
Acenaphthene	Air	high. pop	kg	3.73E-14	8.51E-17	3.77E-14	2.58E-16	1.57E-22	1.06E-17	3.74E-17	9.42E-14	9.45E-14
Acetaldehyde	Air	high. pop	kg	1.44E-09	1.76E-11	1.50E-09	4.69E-11	7.24E-17	1.04E-10	7.05E-12	3.62E-09	3.78E-09
Acetic acid	Air	high. pop	kg	1.14E-08	1.33E-10	1.18E-08	2.60E-10	3.12E-16	8.22E-10	9.32E-11	2.88E-08	2.99E-08
Acetone	Air	high. pop	kg	1.40E-09	1.69E-11	1.46E-09	4.56E-11	7.33E-17	1.02E-10	6.97E-12	3.53E-09	3.68E-09
Acrolein	Air	high. pop	kg	2.96E-14	2.22E-14	5.49E-14	3.11E-15	6.29E-19	2.07E-15	1.88E-13	7.47E-14	2.68E-13
Aldehydes, unspecified	Air	high. pop	kg	1.70E-12	6.88E-13	1.33E-10	1.31E-10	2.71E-19	9.76E-14	2.86E-13	4.28E-12	1.36E-10
Aluminum	Air	high. pop	kg	3.78E-11	4.65E-11	4.50E-10	3.65E-10	4.93E-17	3.56E-12	9.54E-11	9.53E-11	5.60E-10
Ammonia	Air	high. pop	kg	9.35E-10	3.49E-10	8.27E-09	6.99E-09	8.60E-16	5.05E-11	7.82E-09	2.36E-09	1.72E-08
Ammonium carbonate	Air	high. pop	kg	2.39E-14	2.51E-14	7.53E-13	7.04E-13	2.76E-19	8.36E-15	2.14E-14	6.02E-14	7.94E-13
Antimony	Air	high. pop	kg	9.67E-15	7.99E-15	7.85E-14	6.08E-14	8.24E-21	1.50E-15	2.98E-14	2.44E-14	1.17E-13
Arsenic	Air	high. pop	kg	4.45E-11	3.42E-12	5.07E-11	2.77E-12	5.34E-18	8.91E-12	6.63E-13	1.12E-10	1.25E-10
Barium	Air	high. pop	kg	4.47E-13	5.53E-13	5.28E-12	4.28E-12	5.88E-19	4.28E-14	1.14E-12	1.13E-12	6.59E-12
Benzaldehyde	Air	high. pop	kg	1.54E-14	1.16E-14	2.86E-14	1.63E-15	3.28E-19	1.08E-15	9.81E-14	3.89E-14	1.40E-13
Benzene	Air	high. pop	kg	1.28E-09	1.24E-09	2.71E-09	1.86E-10	2.80E-16	1.22E-09	1.94E-10	3.22E-09	4.82E-09
Benzene, ethyl-	Air	high. pop	kg	2.00E-10	2.53E-10	4.65E-10	1.20E-11	5.84E-17	2.45E-11	1.05E-11	5.06E-10	5.53E-10
Benzene, hexachloro-	Air	high. pop	kg	2.87E-16	2.35E-16	1.05E-15	5.32E-16	2.29E-22	2.46E-17	1.28E-15	7.24E-16	2.56E-15
Benzene, pentachloro-	Air	high. pop	kg	7.21E-16	5.87E-16	2.64E-15	1.33E-15	5.75E-22	6.20E-17	3.21E-15	1.82E-15	6.43E-15
Benzo(a)pyrene	Air	high. pop	kg	1.12E-13	6.85E-15	1.32E-13	1.41E-14	1.51E-20	4.66E-14	6.14E-15	2.81E-13	3.48E-13
Beryllium	Air	high. pop	kg	3.12E-13	8.28E-15	3.71E-13	5.14E-14	1.09E-20	7.40E-16	1.20E-14	7.86E-13	8.50E-13
Boron	Air	high. pop	kg	1.85E-12	2.19E-12	2.05E-11	1.64E-11	1.02E-17	1.82E-13	4.64E-12	4.66E-12	2.59E-11
Bromine	Air	high. pop	kg	3.35E-13	5.69E-13	2.36E-12	1.45E-12	7.15E-19	4.38E-14	5.38E-13	8.45E-13	2.88E-12
Butane	Air	high. pop	kg	5.22E-08	1.11E-08	6.43E-08	9.70E-10	2.69E-15	2.99E-09	6.80E-10	1.32E-07	1.36E-07
Butene	Air	high. pop	kg	2.00E-10	2.53E-10	4.65E-10	1.16E-11	5.79E-17	2.45E-11	9.20E-12	5.05E-10	5.51E-10
Cadmium	Air	high. pop	kg	2.50E-11	7.51E-12	3.49E-11	2.40E-12	8.33E-18	2.25E-11	9.00E-13	6.31E-11	8.89E-11
Calcium	Air	high. pop	kg	2.11E-10	6.03E-11	4.06E-10	1.35E-10	9.23E-17	5.90E-11	3.30E-11	5.32E-10	7.58E-10
Carbon dioxide, biogenic	Air	high. pop	kg	5.85E-07	7.26E-07	3.27E-06	1.96E-06	1.15E-12	7.99E-08	3.52E-06	1.48E-06	7.03E-06
Carbon dioxide, fossil	Air	high. pop	kg	3.33E-03	6.49E-05	3.50E-03	1.01E-04	6.88E-11	2.23E-04	3.10E-05	8.40E-03	8.76E-03
Carbon disulfide	Air	high. pop	kg	4.71E-15	4.29E-15	1.35E-14	4.47E-15	1.56E-21	5.61E-16	2.46E-15	1.19E-14	1.94E-14
Carbon monoxide, biogenic	Air	high. pop	kg	7.56E-11	1.07E-10	5.01E-10	3.19E-10	1.57E-16	1.03E-11	2.31E-09	1.91E-10	2.83E-09
Carbon monoxide, fossil	Air	high. pop	kg	7.31E-07	1.53E-08	7.86E-07	4.04E-08	1.30E-14	2.20E-08	5.77E-08	1.84E-06	1.96E-06
Chlorine	Air	high. pop	kg	1.63E-10	6.08E-11	1.90E-09	1.68E-09	5.43E-17	1.25E-11	1.60E-11	4.11E-10	2.12E-09
Chloroform	Air	high. pop	kg	8.12E-15	1.25E-14	6.82E-14	4.76E-14	4.24E-20	1.94E-15	1.33E-14	2.05E-14	8.33E-14
Chromium	Air	high. pop	kg	7.58E-11	4.40E-12	8.40E-11	3.73E-12	5.70E-18	1.09E-11	7.56E-13	1.91E-10	2.07E-10
Chromium VI	Air	high. pop	kg	1.74E-12	6.45E-14	1.96E-12	1.51E-13	8.55E-20	1.12E-13	3.30E-14	4.40E-12	4.70E-12
Cobalt	Air	high. pop	kg	2.30E-10	9.42E-12	2.48E-10	8.22E-12	1.56E-17	2.27E-11	1.32E-12	5.81E-10	6.13E-10
Copper	Air	high. pop	kg	3.10E-10	1.69E-11	3.62E-10	3.54E-11	2.40E-17	3.38E-11	6.34E-12	7.82E-10	8.57E-10
Cumene	Air	high. pop	kg	2.56E-11	2.10E-11	5.59E-11	9.27E-12	6.92E-18	2.01E-12	7.94E-12	6.45E-11	8.37E-11
Cyanide	Air	high. pop	kg	1.59E-12	7.12E-13	1.94E-08	1.94E-08	6.02E-17	1.27E-13	1.78E-12	4.02E-12	1.94E-08
Dinitrogen monoxide	Air	high. pop	kg	7.50E-08	9.13E-10	7.74E-08	1.48E-09	1.60E-15	1.64E-09	1.85E-08	1.89E-07	2.11E-07
Dioxins, measured as 2,3,7,8	Air	high. pop	kg	1.29E-16	8.94E-17	9.01E-16	6.83E-16	1.22E-22	7.29E-18	1.88E-16	3.25E-16	1.20E-15
Ethane	Air	high. pop	kg	6.67E-08	2.77E-09	7.01E-08	6.17E-10	8.78E-16	2.73E-10	1.73E-10	1.68E-07	1.69E-07
Ethane, 1,1,1,2-tetrafluoro-, H	Air	high. pop	kg	5.72E-18	7.65E-18	3.60E-17	2.26E-17	2.05E-23	1.63E-16	9.09E-17	1.44E-17	2.91E-16
Ethane, 1,2-dichloro-	Air	high. pop	kg	9.66E-13	1.17E-12	9.14E-09	9.14E-09	2.95E-18	1.46E-13	1.47E-12	2.44E-12	9.14E-09
Ethanol	Air	high. pop	kg	2.86E-09	3.42E-11	2.99E-09	9.27E-11	1.42E-16	2.03E-10	1.24E-11	7.21E-09	7.52E-09
Ethene	Air	high. pop	kg	4.26E-10	5.31E-10	2.59E-09	1.63E-09	1.36E-16	5.14E-11	5.25E-11	1.07E-09	2.81E-09
Ethene, chloro-	Air	high. pop	kg	5.94E-13	1.36E-12	3.93E-12	1.98E-12	5.97E-18	1.83E-13	1.90E-12	1.50E-12	5.56E-12
Ethylene diamine	Air	high. pop	kg	2.23E-17	3.24E-17	5.24E-09	5.24E-09	3.64E-23	2.20E-18	5.65E-17	5.63E-17	5.24E-09
Ethylene oxide	Air	high. pop	kg	4.38E-13	2.35E-13	1.31E-10	1.31E-10	6.20E-20	3.41E-14	4.75E-14	1.10E-12	1.32E-10
Ethyne	Air	high. pop	kg	1.71E-12	2.18E-12	2.08E-11	1.69E-11	2.85E-18	1.65E-13	4.61E-12	4.30E-12	2.60E-11
Fluorine	Air	high. pop	kg	2.55E-13	2.42E-13	1.21E-12	7.14E-13	4.51E-19	3.27E-14	1.97E-13	6.42E-13	1.59E-12
Fluosilicic acid	Air	high. pop	kg	8.78E-13	3.60E-13	3.10E-12	1.86E-12	4.84E-19	3.28E-14	8.88E-13	2.21E-12	5.00E-12

			Filage du coton			Filage du coton	Tissage				Tissage	
			Electricité	Lubrifiant	TOTAL	Debouillissage	Teinture	Séchage	Encollage	Electricité	TOTAL
Formaldehyde	Air	high. pop.	kg	5.86E-09	9.00E-11	1.69E-08	1.10E-08	2.31E-16	5.82E-10	6.24E-11	1.48E-08	2.64E-08
Heat, waste	Air	high. pop.	MJ	4.13E-02	1.15E-03	4.45E-02	2.07E-03	1.48E-09	4.08E-03	7.15E-04	1.04E-01	1.11E-01
Heptane	Air	high. pop.	kg	2.00E-09	2.53E-09	4.65E-09	1.16E-10	5.79E-16	2.45E-10	9.19E-11	5.05E-09	5.51E-09
Hexane	Air	high. pop.	kg	4.16E-08	5.49E-09	4.76E-08	5.06E-10	1.40E-15	5.35E-10	2.36E-10	1.05E-07	1.06E-07
Hydrocarbons, aliphatic, alka	Air	high. pop.	kg	2.38E-14	7.15E-14	2.10E-13	1.15E-13	6.11E-20	3.58E-15	2.09E-13	6.01E-14	3.87E-13
Hydrocarbons, aliphatic, alka	Air	high. pop.	kg	5.90E-09	3.83E-10	7.76E-09	1.48E-09	4.00E-16	4.33E-10	1.39E-10	1.49E-08	1.69E-08
Hydrocarbons, aliphatic, unsa	Air	high. pop.	kg	2.99E-10	1.97E-11	3.87E-10	6.80E-11	4.49E-17	2.22E-11	2.14E-11	7.55E-10	8.66E-10
Hydrocarbons, aromatic	Air	high. pop.	kg	8.55E-11	1.25E-11	3.23E-10	2.25E-10	5.43E-17	1.02E-10	2.29E-11	2.16E-10	5.65E-10
Hydrocarbons, chlorinated	Air	high. pop.	kg	1.60E-13	1.96E-13	1.22E-12	8.63E-13	4.71E-19	2.73E-14	2.07E-13	4.04E-13	1.50E-12
Hydrogen	Air	high. pop.	kg	1.03E-09	5.83E-10	3.39E-08	3.23E-08	8.55E-16	8.60E-11	2.96E-10	2.61E-09	3.53E-08
Hydrogen chloride	Air	high. pop.	kg	6.17E-10	5.12E-10	3.11E-09	1.99E-09	9.91E-16	9.95E-10	4.26E-10	1.56E-09	4.96E-09
Hydrogen fluoride	Air	high. pop.	kg	1.92E-10	4.00E-11	3.12E-10	7.96E-11	5.79E-17	9.87E-11	2.22E-11	4.85E-10	6.85E-10
Hydrogen sulfide	Air	high. pop.	kg	1.96E-12	6.18E-13	5.55E-11	5.30E-11	2.99E-19	1.34E-13	6.29E-13	4.93E-12	5.86E-11
Iodine	Air	high. pop.	kg	3.83E-14	4.92E-14	4.73E-13	3.86E-13	5.25E-20	3.71E-15	1.01E-13	9.65E-14	5.87E-13
Iron	Air	high. pop.	kg	4.25E-10	5.97E-11	6.55E-10	1.70E-10	1.54E-16	1.24E-10	4.54E-11	1.07E-09	1.41E-09
Isocyanic acid	Air	high. pop.	kg	3.23E-12	5.10E-12	2.38E-11	1.55E-11	1.35E-17	5.94E-13	3.15E-12	8.14E-12	2.74E-11
Lead	Air	high. pop.	kg	2.27E-10	1.53E-11	2.54E-10	1.21E-11	3.32E-17	3.91E-11	2.83E-12	5.72E-10	6.26E-10
Lead-210	Air	high. pop.	Bq	1.56E-07	2.01E-07	1.93E-06	1.57E-06	2.14E-13	1.51E-08	4.12E-07	3.94E-07	2.39E-06
m-Xylene	Air	high. pop.	kg	4.63E-13	5.46E-13	2.63E-12	1.62E-12	1.05E-18	6.83E-14	3.72E-13	1.17E-12	3.23E-12
Magnesium	Air	high. pop.	kg	1.47E-11	1.82E-11	1.67E-10	1.34E-10	2.07E-17	1.47E-12	3.50E-11	3.70E-11	2.08E-10
Manganese	Air	high. pop.	kg	7.13E-11	1.53E-12	7.79E-11	5.03E-12	2.78E-18	1.80E-13	8.58E-13	1.80E-10	1.86E-10
Mercury	Air	high. pop.	kg	3.41E-12	7.00E-13	7.24E-11	6.83E-11	1.35E-18	2.77E-13	1.56E-13	8.59E-12	7.73E-11
Methane, biogenic	Air	high. pop.	kg	1.98E-10	5.08E-11	4.88E-10	2.39E-10	2.64E-17	1.41E-11	6.68E-09	4.99E-10	7.43E-09
Methane, chlorodifluoro-, HCl	Air	high. pop.	kg	7.93E-17	1.06E-16	5.00E-16	3.15E-16	2.85E-22	2.25E-15	1.26E-15	2.00E-16	4.03E-15
Methane, dichloro-, HCC-30	Air	high. pop.	kg	2.47E-16	3.81E-16	2.06E-15	1.43E-15	1.29E-21	5.84E-17	4.04E-16	6.22E-16	2.52E-15
Methane, dichlorodifluoro-, C	Air	high. pop.	kg	2.83E-16	1.73E-16	1.62E-15	1.16E-15	3.39E-22	8.60E-17	8.46E-16	7.14E-16	2.81E-15
Methane, dichlorofluoro-, HCl	Air	high. pop.	kg	1.11E-20	1.49E-20	7.02E-20	4.42E-20	4.00E-26	3.16E-19	1.77E-19	2.81E-20	5.65E-19
Methane, fossil	Air	high. pop.	kg	1.11E-07	1.26E-08	3.00E-07	1.77E-07	5.20E-15	1.01E-08	3.08E-09	2.80E-07	4.70E-07
Methane, monochloro-, R-40	Air	high. pop.	kg	4.29E-18	1.32E-18	1.33E-17	7.69E-18	1.58E-24	9.59E-19	1.51E-17	1.08E-17	3.46E-17
Methane, tetrachloro-, CFC-1	Air	high. pop.	kg	2.54E-13	1.12E-13	9.39E-12	9.03E-12	1.11E-19	2.02E-14	3.77E-14	6.40E-13	9.72E-12
Methane, trichlorofluoro-, CFC	Air	high. pop.	kg	2.10E-20	2.82E-20	1.33E-19	8.34E-20	7.56E-26	5.98E-19	3.35E-19	5.30E-20	1.07E-18
Methane, trifluoro-, HFC-23	Air	high. pop.	kg	3.55E-18	4.74E-18	2.23E-17	1.40E-17	1.27E-23	1.01E-16	5.64E-17	8.95E-18	1.80E-16
Methanol	Air	high. pop.	kg	2.88E-09	4.22E-11	3.28E-09	3.49E-10	2.11E-16	3.44E-10	5.47E-11	7.27E-09	8.02E-09
Molybdenum	Air	high. pop.	kg	5.14E-11	4.13E-12	5.79E-11	2.40E-12	5.52E-18	1.10E-11	5.52E-13	1.29E-10	1.43E-10
Monoethanolamine	Air	high. pop.	kg	6.22E-13	5.94E-13	2.21E-12	9.97E-13	5.38E-19	2.19E-14	7.64E-13	1.57E-12	3.35E-12
Nickel	Air	high. pop.	kg	1.83E-09	9.42E-11	2.01E-09	8.30E-11	2.29E-16	4.40E-10	1.87E-11	4.62E-09	5.16E-09
Nitrate	Air	high. pop.	kg	1.10E-13	8.08E-14	3.83E-13	1.93E-13	1.48E-19	1.13E-14	8.70E-14	2.77E-13	5.68E-13
Nitrogen oxides	Air	high. pop.	kg	4.44E-06	7.64E-08	4.74E-06	2.28E-07	8.96E-14	1.62E-07	3.58E-08	1.12E-05	1.16E-05
NMVOC, non-methane volatil	Air	high. pop.	kg	1.62E-08	1.28E-06	1.39E-06	9.16E-08	1.51E-15	1.14E-09	1.68E-08	4.10E-08	1.51E-07
Ozone	Air	high. pop.	kg	5.36E-14	4.21E-14	1.97E-13	1.02E-13	3.91E-20	8.25E-12	4.22E-12	1.35E-13	1.27E-11
PAH, polycyclic aromatic hyd	Air	high. pop.	kg	3.87E-10	3.83E-12	3.96E-10	5.34E-12	2.17E-18	2.80E-11	3.94E-12	9.76E-10	1.01E-09
Paraffins	Air	high. pop.	kg	1.36E-16	1.09E-16	3.99E-16	1.55E-16	6.83E-23	2.90E-18	1.43E-16	3.42E-16	6.43E-16
Particulates, < 2.5 um	Air	high. pop.	kg	8.15E-08	9.05E-09	1.02E-07	1.16E-08	1.19E-14	2.46E-08	2.51E-09	2.05E-07	2.44E-07
Particulates, > 10 um	Air	high. pop.	kg	4.48E-08	4.23E-09	5.92E-08	1.01E-08	4.07E-15	7.08E-09	1.78E-09	1.13E-07	1.32E-07
Particulates, > 2.5 um, and <	Air	high. pop.	kg	3.77E-08	1.54E-09	5.16E-08	1.23E-08	2.29E-15	3.50E-09	1.31E-09	9.52E-08	1.12E-07
Pentane	Air	high. pop.	kg	6.51E-08	1.44E-08	8.10E-08	1.49E-09	3.48E-15	4.66E-09	1.14E-09	1.64E-07	1.72E-07
Phenol	Air	high. pop.	kg	5.21E-13	5.33E-13	3.84E-12	2.78E-12	8.33E-19	2.78E-14	1.17E-12	1.31E-12	5.29E-12
Phenol, pentachloro-	Air	high. pop.	kg	1.10E-16	1.01E-16	4.66E-16	2.55E-16	1.34E-22	1.14E-17	3.77E-16	2.77E-16	9.21E-16
Phosphorus	Air	high. pop.	kg	1.99E-12	1.78E-12	1.04E-11	6.64E-12	1.70E-17	2.22E-13	1.68E-12	5.01E-12	1.36E-11
Platinum	Air	high. pop.	kg	3.90E-19	5.42E-19	2.58E-18	1.65E-18	7.65E-24	6.88E-20	1.33E-18	9.83E-19	4.03E-18
Polonium-210	Air	high. pop.	Bq	2.86E-07	3.67E-07	3.53E-06	2.88E-06	3.90E-13	2.77E-08	7.54E-07	7.22E-07	4.38E-06
Potassium	Air	high. pop.	kg	9.55E-11	1.12E-10	5.67E-10	3.59E-10	2.12E-16	1.38E-11	8.40E-11	2.41E-10	6.98E-10
Potassium-40	Air	high. pop.	Bq	4.53E-08	5.83E-08	5.61E-07	4.57E-07	6.20E-14	4.40E-09	1.20E-07	1.14E-07	6.95E-07
Propanal	Air	high. pop.	kg	1.54E-14	1.16E-14	2.86E-14	1.63E-15	3.28E-19	1.08E-15	9.81E-14	3.89E-14	1.40E-13
Propane	Air	high. pop.	kg	4.20E-08	1.08E-08	5.36E-08	8.10E-10	2.61E-15	1.62E-09	5.00E-10	1.06E-07	1.09E-07
Propene	Air	high. pop.	kg	4.15E-10	5.18E-10	9.79E-10	4.65E-11	1.24E-16	5.01E-11	3.90E-11	1.05E-09	1.18E-09
Propionic acid	Air	high. pop.	kg	7.56E-10	7.32E-12	7.73E-10	9.72E-12	3.39E-18	5.53E-11	7.59E-12	1.91E-09	1.98E-09
Propylene oxide	Air	high. pop.	kg	5.91E-13	5.72E-13	1.74E-12	5.80E-13	1.10E-18	6.83E-14	3.18E-13	1.49E-12	2.46E-12
Radioactive species, other be	Air	high. pop.	Bq	3.73E-06	1.42E-05	4.75E-05	2.96E-05	1.60E-11	5.17E-07	5.99E-05	9.39E-06	9.94E-05
Radium-226	Air	high. pop.	Bq	4.02E-08	5.18E-08	4.98E-07	4.06E-07	5.52E-14	3.91E-09	1.06E-07	1.01E-07	6.18E-07
Radium-228	Air	high. pop.	Bq	2.18E-07	2.81E-07	2.70E-06	2.20E-06	2.98E-13	2.12E-08	5.75E-07	5.51E-07	3.35E-06
Radon-220	Air	high. pop.	Bq	3.37E-09	4.32E-09	4.15E-08	3.38E-08	4.57E-15	3.26E-10	8.87E-09	8.49E-09	5.15E-08
Radon-222	Air	high. pop.	Bq	3.37E-09	4.32E-09	4.15E-08	3.38E-08	4.57E-15	3.26E-10	8.87E-09	8.49E-09	5.15E-08
Scandium	Air	high. pop.	kg	4.23E-15	5.44E-15	5.23E-14	4.27E-14	5.79E-21	4.10E-16	1.12E-14	1.07E-14	6.49E-14
Selenium	Air	high. pop.	kg	3.41E-11	3.23E-12	3.92E-11	1.88E-12	4.75E-18	8.22E-12	4.71E-13	8.61E-11	9.66E-11
Silicon	Air	high. pop.	kg	7.15E-11	7.33E-11	6.89E-10	5.44E-10	1.76E-15	6.35E-12	1.50E-10	1.80E-10	8.80E-10
Silver	Air	high. pop.	kg	4.34E-18	6.28E-18	1.97E-17	9.12E-18	1.46E-23	5.75E-19	6.70E-18	1.09E-17	2.73E-17
Sodium	Air	high. pop.	kg	1.77E-09	1.94E-10	2.09E-09	1.28E-10	3.02E-16	5.14E-10	3.52E-11	4.47E-09	5.14E-09
Sodium chlorate	Air	high. pop.	kg	4.24E-13	2.37E-13	8.07E-13	1.45E-13	1.35E-19	3.48E-14	1.09E-13	1.07E-12	1.36E-12
Sodium dichromate	Air	high. pop.	kg	1.08E-13	1.27E-13	5.46E-13	3.11E-13	1.57E-18	4.81E-14	1.16E-13	2.73E-13	7.48E-13
Sodium formate	Air	high. pop.	kg	1.37E-15	1.74E-15	1.73E-14	1.42E-14	4.03E-21	1.12E-16	4.95E-15	3.44E-15	2.27E-14
Strontium	Air	high. pop.	kg	6.38E-13	8.21E-13	7.89E-12	6.44E-12	8.73E-19	6.20E-14	1.68E-12	1.61E-12	9.79E-12
Sulfate	Air	high. pop.	kg	1.02E-09	5.26E-10	3.23E-09	1.68E-09	4.71E-16	1.04E-10	1.59E-09	2.57E-09	5.95E-09
Sulfur dioxide	Air	high. pop.	kg	3.41E-06	2.10E-07	3.89E-06	2.69E-07	2.11E-13	2.85E-07	2.69E-08	8.61E-06	9.19E-06
t-Butyl methyl ether	Air	high. pop.	kg	2.42E-14	2.41E-14	8.88E-14	4.05E-14	2.45E-20	3.43E-15	2.88E-12	6.11E-14	2.98E-12
Thallium	Air	high. pop.	kg	5.76E-15	6.88E-15	6.62E-14	5.35E-14	7.29E-21	5.36E-16	1.41E-14	1.45E-14	8.27E-14
Thorium	Air	high. pop.	kg	6.38E-15	8.21E-15	7.89E-14	6.44E-14	8.73E-21	6.19E-16	1.68E-14	1.61E-14	9.79E-14
Thorium-228	Air	high. pop.	Bq	1.85E-08	2.37E-08	2.28E-07	1.86E-07	2.52E-14	1.79E-09	4.88E-08	4.66E-08	2.83E-07
Thorium-232	Air	high. pop.	Bq	1.17E-08	1.51E-08	1.45E-07	1.18E-07	1.61E-14	1.14E-09	3.10E-08	2.96E-08	1.80E-07
Tin	Air	high. pop.	kg	1.64E-14	1.04E-14	7.33E-14	4.64E-14	2.32E-20	1.27E-15	1.64E-14	4.15E-14	1.06E-13
Titanium	Air	high. pop.	kg	1.49E-12	1.74E-12	1.63E-11	1.30E-11	1.85E-18	1.41E-13	3.63E-12	3.75E-12	2.06E-11
Toluene	Air	high. pop.	kg	1.34E-09	1.63E-09	3.10E-09	1.28E-10	3.76E-16	7.23E-10	1.32E-10	3.38E-09	4.36E-09
Uranium	Air	high. pop.	kg	8.51E-15	1.09E-14	1.05E-13	8.56E-14	1.16E-20	8.24E-16	2.24E-14	2.15E-14	1.30E-13
Uranium-238	Air	high. pop.	Bq	3.37E-08	4.32E-08	4.15E-07	3.38E-07	4.57E-14	3.26E-09	8.87E-08	8.49E-08	5.15E-07
Vanadium	Air	high. pop.	kg	6.58E-09	2.45E-10	7.13E-09	3.06E-10	7.83E-16	1.75E-09	6.87E-11	1.66E-08	1.87E-08
Xylene	Air	high. pop.	kg	8.02E-10	1.01E-09	1.87E-09	5.00E-11	2.33E-16	9.83E-11	4.41E-11	2.02E-09	2.22E-09
Zinc	Air	high. pop.	kg	1.63E-10	1.50E-11	2.12E-10	3.41E-11	3.92E-17	2.78E-11	6.75E-12	4.12E-10	4.80E-10
Acetone	Air	low. pop.	kg	3.36E-12	5.24E-12	2.44E-11	1.58E-11	1.03E-17	6.12E-13	5.06E-12	8.46E-12	3.00E-11
Acrolein	Air	low. pop.	kg	4.13E-15	6.46E-15	3.02E-14	1.96E-14	1.27E-20	7.55E-16	6.24E-15	1.04E-14	3.71E-14
Actinides, radioactive, unspe	Air	low. pop.	Bq	9.13E-12	1.47E-11	6.84E-11	4.46E-11	3.42E-17	1.70E-12	8.78E-12	2.30E-11	7.81E-11
Aerosols, radioactive, unspec	Air	low. pop.	Bq	1.72E-07	2.83E-07	1.31E-06	8.59E-07	6.38E-13	3.26E-08	8.26E-08	4.34E-07	1.41E-06
Aldehydes, unspecified	Air	low. pop.	kg	3.29E-13	5.29E-13	2.47E-12	1.61E-12	1.40E-18	6.13E-14	3.20E-13	8.28E-13	2.82E-12
Aluminum	Air	low. pop.	kg	9.22E-12	2.21E-12	1.38E-11	2.40E-12	1.28E-18	6.49E-13	4.07E-12	2.32E-11	3.04E-11
Ammonia	Air	low. pop.	kg	6.82E-10	8.05E-10	2.01E-09	5.24E-10	4.27E-16	7.92E-11	3.55E-07	1.72E-09	3.57E-07
Antimony	Air	low. pop.	kg	1.10E-12	1.09E-12	4.48E-12	2.29E-12	3.29E-18	1.20E-13	1.62E-12	2.78E-12	6.81E-12

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			Electricité	Lubrifiant	TOTAL	Debouillissage	Teinture	Séchage	Encollage	Electricité	TOTAL	
Antimony-124	Air	low. pop.	Bq	1.01E-12	1.41E-12	6.72E-12	4.30E-12	1.99E-17	1.79E-13	3.45E-12	2.56E-12	1.05E-11
Antimony-125	Air	low. pop.	Bq	1.06E-11	1.47E-11	7.03E-11	4.49E-11	2.07E-16	1.87E-12	3.60E-11	2.67E-11	1.10E-10
Argon-41	Air	low. pop.	Bq	1.16E-04	1.79E-04	8.37E-04	5.41E-04	3.69E-10	2.09E-05	2.54E-04	2.92E-04	1.11E-03
Arsenic	Air	low. pop.	kg	9.05E-12	9.10E-12	3.47E-11	1.65E-11	2.42E-17	9.19E-13	1.43E-11	2.28E-11	5.46E-11
Barium	Air	low. pop.	kg	2.54E-12	4.01E-12	1.87E-11	1.21E-11	7.42E-18	4.65E-13	1.55E-12	6.42E-12	2.06E-11
Barium-140	Air	low. pop.	Bq	6.90E-10	9.60E-10	4.57E-09	2.92E-09	1.35E-14	1.22E-10	2.34E-09	1.74E-09	7.12E-09
Benzene	Air	low. pop.	kg	1.60E-10	2.24E-10	9.51E-10	5.66E-10	3.72E-16	2.60E-11	2.02E-10	4.03E-10	1.20E-09
Benzo(a)pyrene	Air	low. pop.	kg	6.61E-13	9.81E-13	4.57E-12	2.93E-12	1.91E-18	1.16E-13	1.04E-12	1.67E-12	5.75E-12
Beryllium	Air	low. pop.	kg	6.02E-15	5.72E-15	2.13E-14	9.53E-15	9.95E-21	5.78E-16	9.29E-15	1.52E-14	3.46E-14
Boron	Air	low. pop.	kg	2.50E-10	4.08E-10	1.89E-09	1.24E-09	7.47E-16	4.69E-11	2.42E-10	6.30E-10	2.15E-09
Bromine	Air	low. pop.	kg	1.56E-11	2.49E-11	1.16E-10	7.53E-11	4.62E-17	2.87E-12	1.17E-11	3.92E-11	1.29E-10
Butadiene	Air	low. pop.	kg	1.47E-18	1.96E-18	3.52E-18	9.03E-20	6.24E-24	1.80E-19	1.02E-19	3.70E-18	4.07E-18
Butane	Air	low. pop.	kg	1.20E-08	3.87E-10	1.26E-08	1.65E-10	2.40E-16	7.19E-10	1.10E-10	3.03E-08	3.13E-08
Cadmium	Air	low. pop.	kg	2.67E-12	2.44E-12	9.63E-12	4.53E-12	7.65E-18	2.61E-13	4.34E-12	6.72E-12	1.59E-11
Calcium	Air	low. pop.	kg	1.21E-12	2.86E-13	2.33E-12	8.28E-13	1.81E-19	8.00E-14	9.27E-13	3.05E-12	4.89E-12
Carbon-14	Air	low. pop.	Bq	7.28E-04	1.18E-03	5.49E-03	3.58E-03	3.23E-09	1.36E-04	5.81E-04	1.84E-03	6.14E-03
Carbon dioxide, biogenic	Air	low. pop.	kg	1.45E-08	1.14E-08	6.20E-08	3.62E-08	1.94E-14	4.07E-09	7.22E-09	3.64E-08	8.39E-08
Carbon dioxide, fossil	Air	low. pop.	kg	1.28E-04	4.90E-05	2.50E-04	7.28E-05	5.16E-11	1.06E-05	3.16E-05	3.23E-04	4.38E-04
Carbon disulfide	Air	low. pop.	kg	2.78E-10	2.90E-10	1.05E-09	4.85E-10	6.52E-16	2.87E-11	4.91E-10	7.02E-10	1.71E-09
Carbon monoxide, biogenic	Air	low. pop.	kg	2.26E-11	1.11E-11	7.65E-11	4.29E-11	1.29E-17	9.83E-10	5.18E-10	5.69E-11	1.60E-09
Carbon monoxide, fossil	Air	low. pop.	kg	2.71E-07	7.35E-08	3.77E-07	3.17E-08	3.21E-14	1.98E-08	3.47E-08	6.85E-07	7.71E-07
Cerium-141	Air	low. pop.	Bq	1.67E-10	2.32E-10	1.11E-09	7.08E-10	3.27E-15	2.95E-11	5.69E-10	4.22E-10	1.73E-09
Cesium-134	Air	low. pop.	Bq	8.01E-12	1.11E-11	5.31E-11	3.39E-11	1.57E-16	1.42E-12	2.73E-11	2.02E-11	8.28E-11
Cesium-137	Air	low. pop.	Bq	1.42E-10	1.97E-10	9.41E-10	6.01E-10	2.78E-15	2.51E-11	4.83E-10	3.59E-10	1.47E-09
Chlorine	Air	low. pop.	kg	3.77E-17	1.44E-17	1.25E-16	7.29E-17	1.94E-23	1.71E-18	3.45E-17	9.50E-17	2.04E-16
Chromium	Air	low. pop.	kg	2.75E-11	1.59E-10	4.61E-10	2.75E-10	1.27E-16	4.52E-12	3.16E-10	6.94E-11	6.65E-10
Chromium-51	Air	low. pop.	Bq	1.07E-11	1.49E-11	7.10E-11	4.54E-11	2.10E-16	1.89E-12	3.65E-11	2.70E-11	1.11E-10
Chromium VI	Air	low. pop.	kg	6.96E-13	3.99E-12	1.16E-11	6.96E-12	3.23E-18	1.15E-13	7.91E-12	1.76E-12	1.67E-11
Cobalt	Air	low. pop.	kg	2.14E-12	2.62E-12	9.85E-12	5.10E-12	2.45E-18	1.98E-13	4.93E-12	5.40E-12	1.56E-11
Cobalt-58	Air	low. pop.	Bq	1.49E-11	2.08E-11	9.89E-11	6.32E-11	2.92E-16	2.63E-12	5.08E-11	3.76E-11	1.54E-10
Cobalt-60	Air	low. pop.	Bq	1.32E-10	1.83E-10	8.74E-10	5.59E-10	2.58E-15	2.33E-11	4.48E-10	3.32E-10	1.36E-09
Copper	Air	low. pop.	kg	3.55E-11	3.19E-11	1.19E-10	5.17E-11	7.69E-17	3.32E-12	5.69E-11	8.96E-11	2.02E-10
Cyanide	Air	low. pop.	kg	5.58E-13	2.15E-12	6.97E-12	4.25E-12	2.19E-18	9.64E-14	3.89E-12	1.41E-12	9.64E-12
Dinitrogen monoxide	Air	low. pop.	kg	1.54E-09	1.07E-09	4.17E-09	1.56E-09	1.13E-15	1.59E-10	1.45E-07	3.88E-09	1.51E-07
Dioxins, measured as 2,3,7,8	Air	low. pop.	kg	1.48E-15	1.95E-15	8.87E-15	5.44E-15	4.34E-21	2.26E-16	2.07E-15	3.73E-15	1.15E-14
Ethane	Air	low. pop.	kg	2.37E-07	2.96E-09	2.43E-07	3.32E-09	3.77E-15	1.41E-08	2.05E-09	5.97E-07	6.16E-07
Ethane, 1,1,1,2-tetrafluoro-, H	Air	low. pop.	kg	1.82E-14	2.78E-14	1.30E-13	8.44E-14	7.65E-20	3.28E-15	3.35E-14	4.59E-14	1.67E-13
Ethane, 1,2-dichloro-1,1,2,2-t	Air	low. pop.	kg	1.79E-13	2.74E-13	1.28E-12	8.31E-13	7.87E-19	3.24E-14	3.47E-13	4.52E-13	1.66E-12
Ethanol	Air	low. pop.	kg	9.44E-14	1.45E-13	6.77E-13	4.38E-13	3.92E-19	1.70E-14	1.72E-13	2.38E-13	8.65E-13
Ethene	Air	low. pop.	kg	2.51E-11	6.10E-12	3.58E-11	4.57E-12	3.53E-18	1.39E-11	1.55E-11	6.34E-11	9.73E-11
Ethylene oxide	Air	low. pop.	kg	1.42E-17	1.90E-17	3.41E-17	8.76E-19	6.06E-23	1.75E-18	9.88E-19	3.59E-17	3.95E-17
Ethyne	Air	low. pop.	kg	8.04E-13	1.94E-13	1.13E-12	1.32E-13	1.10E-19	5.75E-14	2.96E-13	2.03E-12	2.51E-12
Fluorine	Air	low. pop.	kg	1.67E-12	1.83E-12	6.46E-12	2.96E-12	3.19E-18	1.63E-13	3.15E-12	4.22E-12	1.05E-11
Formaldehyde	Air	low. pop.	kg	1.95E-11	2.27E-11	9.54E-11	5.32E-11	3.10E-17	1.75E-12	2.41E-11	4.91E-11	1.28E-10
Heat, waste	Air	low. pop.	MJ	1.58E-03	7.83E-04	3.53E-03	1.16E-03	9.73E-10	1.42E-04	4.36E-04	3.99E-03	5.73E-03
Helium	Air	low. pop.	kg	3.87E-10	4.58E-10	8.69E-10	2.46E-11	1.30E-16	4.59E-11	3.35E-11	9.75E-10	1.08E-09
Hexane	Air	low. pop.	kg	7.10E-12	1.14E-11	5.32E-11	3.47E-11	3.03E-17	1.32E-12	6.90E-12	1.79E-11	6.08E-11
Hydrocarbons, aliphatic, alka	Air	low. pop.	kg	1.42E-08	2.01E-10	1.47E-08	3.36E-10	3.52E-16	8.37E-10	1.60E-10	3.57E-08	3.70E-08
Hydrocarbons, aliphatic, unsa	Air	low. pop.	kg	3.24E-11	4.79E-11	2.25E-10	1.45E-10	9.19E-17	5.68E-12	4.16E-11	8.16E-11	2.74E-10
Hydrocarbons, aromatic	Air	low. pop.	kg	7.38E-09	7.97E-11	7.56E-09	9.87E-11	1.36E-16	4.35E-10	6.16E-11	1.86E-08	1.92E-08
Hydrogen-3, Tritium	Air	low. pop.	Bq	4.18E-03	6.82E-03	3.17E-02	2.07E-02	1.62E-08	7.86E-04	2.98E-03	1.05E-02	3.50E-02
Hydrogen chloride	Air	low. pop.	kg	1.21E-09	1.95E-09	8.80E-09	5.64E-09	3.43E-15	2.22E-10	7.40E-10	3.05E-09	9.66E-09
Hydrogen fluoride	Air	low. pop.	kg	2.94E-10	4.60E-10	2.13E-09	1.37E-09	8.46E-16	5.33E-11	2.52E-10	7.42E-10	2.42E-09
Hydrogen sulfide	Air	low. pop.	kg	3.52E-08	2.63E-10	3.58E-08	3.54E-10	5.57E-16	2.06E-09	3.00E-10	8.88E-08	9.15E-08
Iodine	Air	low. pop.	kg	8.57E-12	1.37E-11	6.39E-11	4.16E-11	2.54E-17	1.59E-12	6.39E-12	2.16E-11	7.12E-11
Iodine-129	Air	low. pop.	Bq	7.34E-07	1.20E-06	5.56E-06	3.63E-06	2.92E-12	1.39E-07	5.27E-07	1.85E-06	6.15E-06
Iodine-131	Air	low. pop.	Bq	4.60E-05	7.08E-05	3.32E-04	2.15E-04	1.44E-10	8.30E-06	1.01E-04	1.16E-04	4.40E-04
Iodine-133	Air	low. pop.	Bq	8.25E-10	1.15E-09	5.47E-09	3.50E-09	1.62E-14	1.46E-10	2.81E-09	2.08E-09	8.53E-09
Iron	Air	low. pop.	kg	3.72E-06	8.91E-07	5.21E-06	6.06E-07	5.07E-13	2.65E-07	1.36E-06	9.37E-06	1.16E-05
Krypton-85	Air	low. pop.	Bq	3.62E-04	5.60E-04	2.62E-03	1.69E-03	1.16E-09	6.57E-05	7.98E-04	9.14E-04	3.47E-03
Krypton-85m	Air	low. pop.	Bq	1.58E-05	2.28E-05	1.08E-04	6.92E-05	2.12E-10	2.80E-06	4.66E-05	3.97E-05	1.58E-04
Krypton-87	Air	low. pop.	Bq	6.60E-06	9.88E-06	4.65E-05	3.00E-05	5.70E-11	1.18E-06	1.72E-05	1.67E-05	6.50E-05
Krypton-88	Air	low. pop.	Bq	6.36E-06	9.40E-06	4.43E-05	2.85E-05	6.79E-11	1.14E-06	1.75E-05	1.60E-05	6.32E-05
Krypton-89	Air	low. pop.	Bq	1.53E-06	2.17E-06	1.03E-05	6.61E-06	2.52E-11	2.71E-07	4.86E-06	3.86E-06	1.56E-05
Lanthanum-140	Air	low. pop.	Bq	5.89E-11	8.21E-11	3.90E-10	2.49E-10	1.15E-15	1.04E-11	2.00E-10	1.48E-10	6.08E-10
Lead	Air	low. pop.	kg	3.42E-11	4.01E-11	1.47E-10	7.22E-11	8.42E-17	3.49E-12	7.71E-11	8.63E-11	2.39E-10
Lead-210	Air	low. pop.	Bq	3.14E-06	5.15E-06	2.39E-05	1.56E-05	1.03E-11	5.91E-07	2.10E-06	7.91E-06	2.62E-05
Magnesium	Air	low. pop.	kg	3.35E-12	7.99E-13	5.24E-12	1.09E-12	4.71E-19	2.34E-13	1.65E-12	8.44E-12	1.14E-11
Manganese	Air	low. pop.	kg	4.49E-12	4.74E-12	1.87E-11	9.45E-12	1.16E-17	4.82E-13	7.08E-12	1.13E-11	2.83E-11
Manganese-54	Air	low. pop.	Bq	5.48E-12	7.64E-12	3.64E-11	2.32E-11	1.07E-16	9.68E-13	1.87E-11	1.38E-11	5.67E-11
Mercury	Air	low. pop.	kg	4.27E-12	2.54E-12	1.02E-11	3.40E-12	2.33E-18	3.85E-13	1.44E-12	1.08E-11	1.60E-11
Methane, biogenic	Air	low. pop.	kg	1.34E-09	2.00E-10	2.20E-09	6.69E-10	4.36E-16	8.56E-11	1.49E-10	3.37E-09	4.27E-09
Methane, bromochlorodifluor	Air	low. pop.	kg	7.40E-11	5.97E-13	7.54E-11	8.15E-13	1.06E-18	4.34E-12	6.16E-13	1.87E-10	1.92E-10
Methane, bromotrifluoro-, Hal	Air	low. pop.	kg	5.21E-12	6.55E-12	1.21E-11	3.10E-13	1.57E-18	6.37E-13	2.83E-13	1.31E-11	1.44E-11
Methane, chlorodifluoro-, HCl	Air	low. pop.	kg	2.54E-10	2.42E-12	2.60E-10	4.08E-12	4.52E-18	1.49E-11	2.51E-12	6.40E-10	6.62E-10
Methane, dichlorodifluoro-, C	Air	low. pop.	kg	2.52E-13	2.73E-15	2.59E-13	3.38E-15	4.62E-21	1.48E-14	2.10E-15	6.37E-13	6.57E-13
Methane, fossil	Air	low. pop.	kg	7.61E-06	3.79E-07	8.22E-06	2.38E-07	2.72E-13	4.63E-07	1.32E-07	1.92E-05	2.00E-05
Methanol	Air	low. pop.	kg	3.26E-11	1.60E-11	3.21E-09	3.16E-09	6.61E-18	2.39E-12	8.43E-12	8.22E-11	3.26E-09
Molybdenum	Air	low. pop.	kg	1.43E-13	2.35E-13	1.09E-12	7.12E-13	4.20E-19	2.70E-14	7.52E-14	3.60E-13	1.17E-12
Nickel	Air	low. pop.	kg	4.60E-11	5.10E-11	1.35E-10	3.83E-11	5.61E-17	5.20E-12	3.05E-11	1.16E-10	1.90E-10
Niobium-95	Air	low. pop.	Bq	6.52E-13	9.06E-13	4.32E-12	2.76E-12	1.28E-17	1.15E-13	2.22E-12	1.64E-12	6.74E-12
Nitrogen oxides	Air	low. pop.	kg	4.92E-07	2.46E-07	8.66E-07	1.28E-07	1.22E-13	4.23E-08	2.07E-07	1.24E-06	1.62E-06
NMVOC, non-methane volatil	Air	low. pop.	kg	8.76E-07	2.03E-07	1.10E-06	2.43E-08	6.65E-14	6.13E-08	2.98E-08	2.21E-06	2.32E-06
Noble gases, radioactive, uns	Air	low. pop.	Bq	7.05E+00	1.15E+01	5.35E+01	3.49E+01	2.81E-05	1.33E+00	5.06E+00	1.78E+01	5.91E+01
PAH, polycyclic aromatic hyd	Air	low. pop.	kg	5.00E-12	4.56E-12	1.18E-11	2.27E-12	2.14E-18	5.44E-13	1.08E-11	1.26E-11	2.63E-11
Particulates, < 2.5 um	Air	low. pop.	kg	4.72E-08	2.67E-08	1.06E-07	3.20E-08	2.22E-14	3.92E-09	2.22E-08	1.19E-07	1.77E-07
Particulates, > 10 um	Air	low. pop.	kg	1.55E-07	4.90E-08	3.29E-07	1.25E-07	7.33E-14	8.96E-09	5.03E-08	3.90E-07	5.75E-07
Particulates, > 2.5 um, and <	Air	low. pop.	kg	1.21E-07	2.46E-08	2.01E-07	5.56E-08	3.07E-14	5.49E-09	3.10E-08	3.06E-07	3.98E-07
Pentane	Air	low. pop.	kg	2.15E-11	3.24E-11	1.52E-10	9.85E-11	6.24E-17	3.83E-12	2.81E-11	5.41E-11	1.85E-10
Phenol	Air	low. pop.	kg	6.17E-12	5.50E-12	1.97E-11	8.01E-12	3.53E-18	1.34E-13	7.29E-12	1.55E-11	3.10E-11
Phenol, pentachloro-	Air	low. pop.	kg	2.73E-13	4.26E-13	1.98E-12	1.29E-12	8.37E-19	4.98E-14	4.12E-13	6.88E-13	2.44E-12
Phosphorus	Air	low. pop.	kg	5.67E-14	1.85E-14	1.01E-13	2.60E-14	1.84E-20	4.46E-15	2.51E-14	1.43E-13	1.98E-13
Plutonium-238	Air	low. pop.	Bq	1.00E-13	1.64E-13	7.59E-13	4.95E-13	3.99E-19	1.88E-14	7.19E-14	2.52E-13	8.38E-13
Plutonium-alpha	Air	low. pop.	Bq	2.29E-13	3.74E-13	1.74E-12	1.14E-12	9.14E-19	4.33E-14	1.65E-13	5.78E-13	1.92E-12
Polonium-210	Air	low. pop.	Bq	5.46E-06	9.00E-06	4.17E-05	2.72E-05	1.78E-11	1.03E-06	3.28E-06	1.38E-05	4.53E-05

			Filage du coton		Filage du coton	Tissage				Tissage	
			Electricité	Lubrifiant	TOTAL	Debouillissage	Teinture	Séchage	Encollage	Electricité	TOTAL
Potassium	Air	low. pop.	kg	1.10E-12	2.69E-13	1.61E-12	2.35E-13	1.62E-19	7.80E-14	4.19E-13	2.78E-12	3.51E-12
Potassium-40	Air	low. pop.	Bq	6.40E-07	1.04E-06	4.84E-06	3.16E-06	1.95E-12	1.20E-07	4.17E-07	1.61E-06	5.31E-06
Propane	Air	low. pop.	kg	7.12E-08	1.11E-09	7.32E-08	8.72E-10	1.19E-15	4.20E-09	6.11E-10	1.80E-07	1.85E-07
Propene	Air	low. pop.	kg	3.94E-12	3.92E-12	1.89E-11	1.10E-11	7.01E-18	5.32E-13	3.65E-12	9.95E-12	2.51E-11
Protactinium-234	Air	low. pop.	Bq	1.01E-07	1.63E-07	7.56E-07	4.92E-07	4.31E-13	1.88E-08	9.81E-08	2.54E-07	8.63E-07
Radioactive species, other be	Air	low. pop.	Bq	5.34E-09	8.23E-09	3.85E-08	2.50E-08	1.73E-14	9.66E-10	1.17E-08	1.35E-08	5.11E-08
Radium-226	Air	low. pop.	Bq	4.12E-06	6.58E-06	3.05E-05	1.98E-05	1.65E-11	7.63E-07	4.31E-06	1.04E-05	3.53E-05
Radium-228	Air	low. pop.	Bq	2.35E-07	3.90E-07	1.81E-06	1.18E-06	7.19E-13	4.45E-08	1.16E-07	5.92E-07	1.94E-06
Radon-222	Air	low. pop.	Bq	3.20E-01	5.06E-01	2.35E+00	1.52E+00	1.33E-06	5.89E-02	3.05E-01	8.07E-01	2.69E+00
Ruthenium-103	Air	low. pop.	Bq	1.43E-13	1.99E-13	9.48E-13	6.07E-13	2.80E-18	2.53E-14	4.86E-13	3.61E-13	1.48E-12
Scandium	Air	low. pop.	kg	2.10E-15	5.04E-16	2.94E-15	3.42E-16	2.85E-22	1.50E-16	7.69E-16	5.28E-15	6.55E-15
Selenium	Air	low. pop.	kg	2.55E-12	3.31E-12	1.35E-11	7.64E-12	6.24E-18	3.71E-13	2.31E-12	6.44E-12	1.68E-11
Silicon	Air	low. pop.	kg	1.68E-11	4.55E-12	3.05E-11	9.15E-12	3.66E-18	1.11E-12	8.16E-12	4.24E-11	6.09E-11
Silicon tetrafluoride	Air	low. pop.	kg	3.81E-14	2.04E-14	6.77E-14	9.26E-15	8.82E-21	3.05E-15	9.10E-15	9.60E-14	1.17E-13
Silver	Air	low. pop.	kg	2.67E-17	1.90E-17	1.74E-16	1.28E-16	3.57E-23	2.24E-18	8.11E-17	6.72E-17	2.79E-16
Silver-110	Air	low. pop.	Bq	1.42E-12	1.97E-12	9.40E-12	6.00E-12	2.77E-17	2.51E-13	4.83E-12	3.58E-12	1.47E-11
Sodium	Air	low. pop.	kg	5.60E-13	1.29E-13	7.81E-13	9.24E-14	7.47E-20	3.88E-14	1.97E-13	1.41E-12	1.74E-12
Strontium	Air	low. pop.	kg	2.43E-12	3.92E-12	1.82E-11	1.18E-11	7.06E-18	4.52E-13	8.80E-13	6.14E-12	1.93E-11
Styrene	Air	low. pop.	kg	3.48E-15	5.42E-15	2.53E-14	1.64E-14	1.07E-20	6.34E-16	5.25E-15	8.78E-15	3.11E-14
Sulfur dioxide	Air	low. pop.	kg	1.45E-06	6.36E-07	2.45E-06	3.58E-07	3.44E-13	1.20E-07	6.61E-08	3.67E-06	4.21E-06
Sulfur hexafluoride	Air	low. pop.	kg	3.23E-16	6.32E-16	2.49E-15	1.54E-15	1.18E-21	5.30E-17	1.70E-15	8.14E-16	4.11E-15
Thallium	Air	low. pop.	kg	6.51E-16	3.15E-16	1.62E-15	6.56E-16	4.43E-22	6.00E-17	3.77E-16	1.64E-15	2.74E-15
Thorium	Air	low. pop.	kg	2.10E-15	5.04E-16	2.94E-15	3.42E-16	2.85E-22	1.50E-16	7.69E-16	5.28E-15	6.55E-15
Thorium-228	Air	low. pop.	Bq	1.27E-07	2.10E-07	9.73E-07	6.36E-07	3.89E-13	2.40E-08	6.33E-08	3.20E-07	1.04E-06
Thorium-230	Air	low. pop.	Bq	4.42E-07	6.38E-07	2.92E-06	1.84E-06	1.61E-12	7.53E-08	1.01E-06	1.12E-06	4.04E-06
Thorium-232	Air	low. pop.	Bq	2.00E-07	3.29E-07	1.53E-06	1.00E-06	6.11E-13	3.78E-08	1.05E-07	5.04E-07	1.65E-06
Thorium-234	Air	low. pop.	Bq	1.01E-07	1.63E-07	7.56E-07	4.92E-07	4.31E-13	1.88E-08	9.81E-08	2.54E-07	8.63E-07
Tin	Air	low. pop.	kg	1.87E-12	2.01E-12	7.26E-12	3.38E-12	3.71E-18	1.71E-13	3.75E-12	4.71E-12	1.20E-11
Titanium	Air	low. pop.	kg	3.23E-13	7.76E-14	4.53E-13	5.27E-14	4.39E-20	2.31E-14	1.18E-13	8.14E-13	1.01E-12
Toluene	Air	low. pop.	kg	3.18E-11	4.14E-11	1.54E-10	8.10E-11	5.38E-17	4.71E-12	2.42E-11	8.02E-11	1.90E-10
Uranium	Air	low. pop.	kg	1.07E-15	2.56E-16	1.50E-15	1.74E-16	1.45E-22	7.63E-17	3.92E-16	2.69E-15	3.33E-15
Uranium-234	Air	low. pop.	Bq	1.25E-06	1.94E-06	8.95E-06	5.77E-06	5.02E-12	2.25E-07	1.78E-06	3.14E-06	1.09E-05
Uranium-235	Air	low. pop.	Bq	5.71E-08	9.21E-08	4.28E-07	2.79E-07	2.44E-13	1.07E-08	5.55E-08	1.44E-07	4.89E-07
Uranium-238	Air	low. pop.	Bq	1.76E-06	2.79E-06	1.29E-05	8.36E-06	6.61E-12	3.23E-07	2.00E-06	4.43E-06	1.51E-05
Uranium alpha	Air	low. pop.	Bq	5.49E-06	8.86E-06	4.12E-05	2.69E-05	2.35E-11	1.03E-06	5.33E-06	1.39E-05	4.71E-05
Vanadium	Air	low. pop.	kg	8.81E-13	1.41E-12	6.48E-12	4.19E-12	2.58E-18	1.61E-13	4.00E-13	2.22E-12	6.97E-12
water	Air	low. pop.	kg	9.63E-14	1.28E-13	2.30E-13	5.92E-15	4.08E-19	1.17E-14	6.68E-15	2.43E-13	2.67E-13
Xenon-131m	Air	low. pop.	Bq	3.02E-05	4.49E-05	2.11E-04	1.36E-04	2.85E-10	5.42E-06	8.01E-05	7.61E-05	2.97E-04
Xenon-133	Air	low. pop.	Bq	9.51E-04	1.40E-03	6.60E-03	4.25E-03	9.95E-09	1.70E-04	2.59E-03	2.40E-03	9.41E-03
Xenon-133m	Air	low. pop.	Bq	4.32E-06	6.60E-06	3.09E-05	2.00E-05	2.00E-11	7.80E-07	9.94E-06	1.09E-05	4.16E-05
Xenon-135	Air	low. pop.	Bq	3.90E-04	5.77E-04	2.71E-03	1.75E-03	4.01E-09	6.99E-05	1.06E-03	9.84E-04	3.86E-03
Xenon-135m	Air	low. pop.	Bq	2.29E-04	3.37E-04	1.59E-03	1.02E-03	2.48E-09	4.09E-05	6.31E-04	5.77E-04	2.27E-03
Xenon-137	Air	low. pop.	Bq	4.20E-06	5.96E-06	2.83E-05	1.81E-05	6.88E-11	7.44E-07	1.33E-05	1.06E-05	4.28E-05
Xenon-138	Air	low. pop.	Bq	3.79E-05	5.46E-05	2.58E-04	1.65E-04	5.34E-10	6.74E-06	1.14E-04	9.55E-05	3.81E-04
Xylene	Air	low. pop.	kg	1.49E-10	2.21E-10	9.94E-10	6.25E-10	3.99E-16	2.58E-11	1.78E-10	3.77E-10	1.21E-09
Zinc	Air	low. pop.	kg	4.29E-11	6.19E-11	2.09E-10	1.04E-10	8.10E-17	4.44E-12	1.08E-10	1.08E-10	3.24E-10
Zinc-65	Air	low. pop.	Bq	2.74E-11	3.81E-11	1.82E-10	1.16E-10	5.34E-16	4.83E-12	9.32E-11	6.91E-11	2.83E-10
Zirconium	Air	low. pop.	kg	2.58E-14	6.21E-15	3.62E-14	4.22E-15	3.51E-21	1.85E-15	9.49E-15	6.50E-14	8.05E-14
Zirconium-95	Air	low. pop.	Bq	2.68E-11	3.73E-11	1.78E-10	1.13E-10	5.25E-16	4.73E-12	9.10E-11	6.75E-11	2.77E-10
Radon-222	Air	low. pop.	Bq	1.31E+01	2.10E+01	9.79E+01	6.38E+01	5.57E-05	2.44E+00	1.27E+01	3.29E+01	1.12E+02
Benzene	Air	stratospl	kg	9.45E-18	1.26E-17	2.26E-17	5.81E-19	4.01E-23	1.16E-18	6.56E-19	2.38E-17	2.62E-17
Butadiene	Air	stratospl	kg	8.96E-18	1.19E-17	2.14E-17	5.50E-19	3.80E-23	1.10E-18	6.21E-19	2.26E-17	2.49E-17
Cadmium	Air	stratospl	kg	4.74E-21	6.31E-21	1.13E-20	2.91E-22	2.01E-26	5.80E-22	3.28E-22	1.19E-20	1.31E-20
Carbon dioxide, fossil	Air	stratospl	kg	1.49E-12	1.99E-12	3.57E-12	9.17E-14	6.33E-18	1.83E-13	1.03E-13	3.76E-12	4.14E-12
Carbon monoxide, fossil	Air	stratospl	kg	1.75E-15	2.33E-15	4.19E-15	1.08E-16	7.42E-21	2.15E-16	1.21E-16	4.41E-15	4.86E-15
Chromium	Air	stratospl	kg	2.37E-20	3.15E-20	5.67E-20	1.45E-21	1.00E-25	2.90E-21	1.64E-21	5.97E-20	6.57E-20
Copper	Air	stratospl	kg	8.05E-19	1.07E-18	1.93E-18	4.95E-20	3.42E-24	9.86E-20	5.59E-20	2.03E-18	2.23E-18
Dinitrogen monoxide	Air	stratospl	kg	1.42E-17	1.90E-17	3.40E-17	8.72E-19	6.02E-23	1.73E-18	9.84E-19	3.58E-17	3.94E-17
Ethylene oxide	Air	stratospl	kg	8.68E-17	1.16E-16	2.08E-16	5.33E-18	3.68E-22	1.06E-17	6.01E-18	2.19E-16	2.41E-16
Formaldehyde	Air	stratospl	kg	7.43E-17	9.91E-17	1.78E-16	4.56E-18	3.15E-22	9.10E-18	5.15E-18	1.87E-16	2.06E-16
Heat, waste	Air	stratospl	MJ	2.15E-11	2.87E-11	5.16E-11	1.33E-12	9.14E-17	2.64E-12	1.50E-12	5.43E-11	5.98E-11
Hydrogen chloride	Air	stratospl	kg	4.07E-19	5.42E-19	9.74E-19	2.50E-20	1.73E-24	4.98E-20	2.83E-20	1.03E-18	1.13E-18
Lead	Air	stratospl	kg	9.45E-21	1.26E-20	2.26E-20	5.81E-22	4.01E-26	1.15E-21	6.56E-22	2.38E-20	2.62E-20
Mercury	Air	stratospl	kg	3.32E-23	4.41E-23	7.93E-23	2.04E-24	1.40E-28	4.05E-24	2.29E-24	8.36E-23	9.20E-23
Methane, fossil	Air	stratospl	kg	2.37E-17	3.15E-17	5.67E-17	1.45E-18	1.00E-22	2.90E-18	1.64E-18	5.97E-17	6.57E-17
Nickel	Air	stratospl	kg	3.32E-20	4.41E-20	7.93E-20	2.04E-21	1.40E-25	4.05E-21	2.29E-21	8.36E-20	9.20E-20
Nitrogen oxides	Air	stratospl	kg	6.65E-15	8.86E-15	1.59E-14	4.08E-16	2.82E-20	8.13E-16	4.61E-16	1.68E-14	1.85E-14
NMVOC, non-methane volatil	Air	stratospl	kg	3.17E-16	4.23E-16	7.59E-16	1.95E-17	1.35E-21	3.89E-17	2.20E-17	7.98E-16	8.79E-16
Particulates, < 2.5 um	Air	stratospl	kg	1.80E-17	2.40E-17	4.30E-17	1.10E-18	7.60E-23	2.20E-18	1.25E-18	4.53E-17	4.98E-17
Selenium	Air	stratospl	kg	4.74E-21	6.31E-21	1.13E-20	2.91E-22	2.01E-26	5.80E-22	3.28E-22	1.19E-20	1.31E-20
Sulfur dioxide	Air	stratospl	kg	4.74E-16	6.31E-16	1.13E-15	2.91E-17	2.01E-21	5.80E-17	3.28E-17	1.19E-15	1.31E-15
water	Air	stratospl	kg	5.86E-13	7.81E-13	1.40E-12	3.60E-14	2.48E-18	7.17E-14	4.06E-14	1.48E-12	1.63E-12
Zinc	Air	stratospl	kg	4.74E-19	6.31E-19	1.13E-18	2.91E-20	2.01E-24	5.80E-20	3.28E-20	1.19E-18	1.31E-18
Aluminum	Water		kg	9.45E-12	1.92E-12	1.18E-11	3.76E-13	5.61E-19	6.45E-13	3.15E-13	2.38E-11	2.52E-11
AOX, Adsorbable Organic Ha	Water		kg	4.52E-14	2.68E-14	6.04E-12	5.97E-12	9.68E-21	3.40E-15	1.31E-14	1.14E-13	6.10E-12
Arsenic, ion	Water		kg	6.11E-11	1.36E-11	8.27E-11	8.00E-12	7.56E-18	4.44E-12	2.10E-11	1.54E-10	1.88E-10
BOD5, Biological Oxygen De	Water		kg	9.22E-08	2.06E-08	1.26E-07	1.32E-08	1.14E-14	6.72E-09	3.16E-08	2.32E-07	2.84E-07
Cadmium, ion	Water		kg	6.34E-11	1.41E-11	8.58E-11	8.27E-12	7.78E-18	4.60E-12	2.14E-11	1.60E-10	1.94E-10
Chloride	Water		kg	5.55E-06	1.10E-06	6.76E-06	1.18E-07	2.76E-13	3.79E-07	8.55E-08	1.40E-05	1.46E-05
Chromium VI	Water		kg	6.15E-11	1.37E-11	8.33E-11	8.04E-12	7.60E-18	4.47E-12	2.10E-11	1.55E-10	1.89E-10
Chromium, ion	Water		kg	8.56E-12	1.96E-12	1.18E-11	1.32E-12	8.73E-19	5.90E-13	1.02E-12	2.16E-11	2.45E-11
COD, Chemical Oxygen Dem	Water		kg	9.24E-08	2.06E-08	1.28E-07	1.50E-08	1.14E-14	6.72E-09	3.16E-08	2.33E-07	2.86E-07
Copper, ion	Water		kg	3.11E-10	6.94E-11	4.21E-10	4.13E-11	3.85E-17	2.25E-11	1.06E-10	7.84E-10	9.54E-10
Cyanide	Water		kg	6.11E-10	1.36E-10	8.27E-10	8.00E-11	7.56E-17	4.44E-11	2.10E-10	1.54E-09	1.88E-09
DOC, Dissolved Organic Carl	Water		kg	3.61E-08	8.05E-09	5.04E-08	6.17E-09	4.48E-15	2.62E-09	1.24E-08	9.11E-08	1.12E-07
Fluoride	Water		kg	2.34E-11	1.26E-11	4.16E-11	5.61E-12	5.38E-18	1.87E-12	5.55E-12	5.90E-11	7.20E-11
Formaldehyde	Water		kg	4.52E-12	2.68E-12	6.04E-10	5.97E-10	9.68E-19	3.40E-13	1.32E-12	1.14E-11	6.10E-10
Heat, waste	Water		MJ	4.69E-08	2.86E-08	2.52E-06	2.45E-06	1.88E-14	4.52E-09	3.33E-07	1.18E-07	2.90E-06
Hydrocarbons, unspecified	Water		kg	2.90E-11	6.26E-12	3.80E-11	2.71E-12	2.55E-18	1.97E-12	2.44E-12	7.32E-11	8.03E-11
Iron, ion	Water		kg	4.63E-09	9.78E-10	5.95E-09	3.45E-10	3.97E-16	3.26E-10	7.89E-10	1.17E-08	1.31E-08
Lead	Water		kg	1.27E-10	2.83E-11	1.72E-10	1.68E-11	1.57E-17	9.22E-12	4.27E-11	3.20E-10	3.89E-10
Manganese	Water		kg	9.42E-12	2.03E-12	1.23E-11	8.79E-13	8.24E-19	6.37E-13	7.89E-13	2.38E-11	2.61E-11
Mercury	Water		kg	6.57E-12	1.46E-12	8.87E-12	8.42E-13	7.96E-19	4.75E-13	2.15E-12	1.66E-11	2.00E-11
Methanol	Water		kg	1.36E-12	8.03E-13	1.82E-10	1.80E-10	2.90E-19	1.02E-13	3.94E-13	3.42E-12	1.83E-10
Nickel, ion	Water		kg	3.19E-10	7.10E-11	4.32E-10	4.17E-11	3.91E-17	2.32E-11	1.07E-10	8.05E-10	9.76E-10

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			Electricité	Lubrifiant	TOTAL	Debouillissage	Teinture	Séchage	Encollage	Electricité	TOTAL
Oils, unspecified	Water	kg	6.39E-09	1.45E-09	8.66E-09	8.21E-10	7.87E-16	4.66E-10	2.12E-09	1.61E-08	1.95E-08
Phenol	Water	kg	4.52E-13	2.68E-13	6.04E-11	5.97E-11	9.68E-20	3.40E-14	1.32E-13	1.14E-12	6.10E-11
Phosphorus	Water	kg	4.54E-13	2.68E-13	6.05E-11	5.97E-11	9.68E-20	3.40E-14	1.32E-13	1.14E-12	6.10E-11
Sodium, ion	Water	kg	2.81E-09	1.73E-09	1.03E-08	5.72E-09	1.89E-15	2.99E-10	5.91E-09	7.08E-09	1.90E-08
Sulfate	Water	kg	3.58E-11	7.08E-12	4.36E-11	7.58E-13	1.78E-18	2.44E-12	5.52E-13	9.02E-11	9.40E-11
Suspended solids, unspecifie	Water	kg	2.46E-09	5.35E-10	3.38E-09	3.78E-10	2.23E-16	1.67E-10	2.20E-10	6.21E-09	6.98E-09
TOC, Total Organic Carbon	Water	kg	3.61E-08	8.05E-09	5.04E-08	6.17E-09	4.48E-15	2.62E-09	1.24E-08	9.11E-08	1.12E-07
Zinc, ion	Water	kg	1.25E-09	2.88E-10	1.75E-09	2.08E-10	1.65E-16	9.17E-11	4.51E-10	3.15E-09	3.90E-09
Aluminum	Water	groundw kg	2.79E-11	4.13E-11	1.94E-10	1.24E-10	7.78E-17	4.88E-12	3.62E-11	7.04E-11	2.36E-10
Ammonium, ion	Water	groundw kg	5.47E-12	5.73E-12	2.83E-11	1.71E-11	1.04E-17	7.59E-13	5.03E-12	1.38E-11	3.67E-11
Antimony	Water	groundw kg	2.65E-12	4.36E-12	2.02E-11	1.32E-11	7.65E-18	4.97E-13	1.10E-12	6.69E-12	2.15E-11
Arsenic, ion	Water	groundw kg	1.27E-11	2.04E-11	9.48E-11	6.18E-11	3.77E-17	2.35E-12	1.24E-11	3.19E-11	1.08E-10
Barium	Water	groundw kg	5.25E-12	8.44E-12	3.93E-11	2.56E-11	2.24E-17	9.78E-13	5.10E-12	1.32E-11	4.49E-11
Beryllium	Water	groundw kg	3.82E-15	6.15E-15	2.86E-14	1.87E-14	1.13E-20	7.08E-16	3.70E-15	9.62E-15	3.27E-14
BOD5, Biological Oxygen De	Water	groundw kg	1.09E-12	1.14E-12	5.64E-12	3.41E-12	2.08E-18	1.51E-13	1.00E-12	2.74E-12	7.30E-12
Boron	Water	groundw kg	6.32E-12	1.00E-11	4.66E-11	3.03E-11	1.90E-17	1.15E-12	8.73E-12	1.59E-11	5.61E-11
Bromine	Water	groundw kg	5.99E-12	9.53E-12	4.44E-11	2.89E-11	1.81E-17	1.10E-12	8.33E-12	1.51E-11	5.35E-11
Cadmium, ion	Water	groundw kg	2.86E-15	4.54E-15	2.12E-14	1.38E-14	1.19E-20	5.28E-16	2.76E-15	7.22E-15	2.43E-14
Calcium, ion	Water	groundw kg	2.98E-11	4.67E-11	2.17E-10	1.41E-10	8.87E-17	5.42E-12	4.06E-11	7.50E-11	2.62E-10
Chloride	Water	groundw kg	6.60E-08	6.72E-08	3.33E-07	2.00E-07	1.22E-13	8.99E-09	6.81E-08	1.66E-07	4.43E-07
Chlorine	Water	groundw kg	2.97E-12	4.78E-12	2.22E-11	1.45E-11	1.27E-17	5.54E-13	2.89E-12	7.48E-12	2.54E-11
Chromium VI	Water	groundw kg	5.14E-12	8.29E-12	3.85E-11	2.51E-11	1.52E-17	9.53E-13	4.76E-12	1.30E-11	4.38E-11
Chromium, ion	Water	groundw kg	7.43E-13	1.20E-12	5.57E-12	3.63E-12	3.17E-18	1.39E-13	7.24E-13	1.87E-12	6.36E-12
Cobalt	Water	groundw kg	4.24E-14	6.86E-14	3.19E-13	2.08E-13	1.52E-19	7.90E-15	3.35E-14	1.07E-13	3.56E-13
COD, Chemical Oxygen Dem	Water	groundw kg	1.09E-12	1.14E-12	5.64E-12	3.41E-12	2.08E-18	1.51E-13	1.00E-12	2.74E-12	7.30E-12
Copper, ion	Water	groundw kg	2.57E-13	4.08E-13	1.90E-12	1.23E-12	1.07E-18	4.74E-14	2.49E-13	6.47E-13	2.18E-12
Fluoride	Water	groundw kg	1.89E-11	2.12E-11	1.03E-10	6.32E-11	3.88E-17	2.74E-12	1.85E-11	4.77E-11	1.32E-10
Iodide	Water	groundw kg	7.64E-13	1.21E-12	5.66E-12	3.68E-12	2.30E-18	1.41E-13	1.06E-12	1.93E-12	6.81E-12
Iron, ion	Water	groundw kg	1.28E-08	2.05E-08	9.55E-08	6.22E-08	3.89E-14	2.37E-09	1.82E-08	3.23E-08	1.15E-07
Lead	Water	groundw kg	2.44E-15	2.72E-15	1.33E-14	8.15E-15	4.98E-21	3.52E-16	2.27E-15	6.16E-15	1.69E-14
Lead-210	Water	groundw Bq	1.22E-08	6.53E-09	2.17E-08	2.95E-09	2.82E-15	9.72E-10	2.91E-09	3.08E-08	3.76E-08
Magnesium	Water	groundw kg	5.48E-12	8.69E-12	4.05E-11	2.63E-11	1.65E-17	1.00E-12	7.59E-12	1.38E-11	4.87E-11
Manganese	Water	groundw kg	8.13E-12	8.78E-12	4.32E-11	2.63E-11	1.66E-17	1.15E-12	7.50E-12	2.05E-11	5.54E-11
Mercury	Water	groundw kg	7.78E-18	1.21E-17	5.66E-17	3.67E-17	2.30E-23	1.41E-18	1.09E-17	1.96E-17	6.86E-17
Molybdenum	Water	groundw kg	1.38E-11	2.26E-11	1.05E-10	6.82E-11	4.03E-17	2.57E-12	8.67E-12	3.48E-11	1.14E-10
Nickel, ion	Water	groundw kg	5.99E-13	6.54E-13	3.21E-12	1.96E-12	1.19E-18	8.53E-14	5.42E-13	1.51E-12	4.10E-12
Nitrate	Water	groundw kg	7.65E-11	7.21E-11	2.58E-10	1.09E-10	7.33E-17	1.42E-11	7.59E-06	1.93E-10	7.59E-06
Phosphate	Water	groundw kg	6.17E-13	8.64E-13	1.35E-11	1.21E-11	1.66E-18	1.03E-13	5.03E-09	1.56E-12	5.04E-09
Polonium-210	Water	groundw Bq	1.85E-08	9.94E-09	3.30E-08	4.50E-09	4.30E-15	1.48E-09	4.43E-09	4.67E-08	5.71E-08
Potassium-40	Water	groundw Bq	1.47E-09	7.90E-10	2.62E-09	3.57E-10	3.41E-16	1.17E-10	3.52E-10	3.71E-09	4.54E-09
Potassium, ion	Water	groundw kg	1.30E-09	2.05E-09	9.58E-09	6.23E-09	3.90E-15	2.38E-10	1.80E-09	3.27E-09	1.15E-08
Radium-226	Water	groundw Bq	1.37E-08	7.32E-09	2.43E-08	3.32E-09	3.17E-15	1.09E-09	3.26E-09	3.44E-08	4.21E-08
Rubidium	Water	groundw kg	7.22E-14	1.16E-13	5.40E-13	3.52E-13	3.08E-19	1.34E-14	7.02E-14	1.82E-13	6.18E-13
Scandium	Water	groundw kg	5.42E-13	8.56E-13	3.99E-12	2.60E-12	1.62E-18	9.92E-14	7.52E-13	1.37E-12	4.81E-12
Selenium	Water	groundw kg	1.45E-12	2.35E-12	1.09E-11	7.12E-12	4.31E-18	2.70E-13	1.17E-12	3.66E-12	1.22E-11
Silicon	Water	groundw kg	1.04E-09	1.64E-09	7.66E-09	4.98E-09	3.11E-15	1.90E-10	1.44E-09	2.61E-09	9.22E-09
Silver, ion	Water	groundw kg	3.23E-15	5.21E-15	2.42E-14	1.57E-14	1.38E-20	6.03E-16	3.15E-15	8.14E-15	2.76E-14
Sodium, ion	Water	groundw kg	2.39E-09	3.78E-09	1.76E-08	1.15E-08	7.19E-15	4.38E-10	3.31E-09	6.02E-09	2.12E-08
Solids, inorganic	Water	groundw kg	2.82E-08	4.51E-08	2.11E-07	1.37E-07	8.55E-14	5.23E-09	3.99E-08	7.12E-08	2.54E-07
Solved solids	Water	groundw kg	1.17E-09	1.23E-09	6.07E-09	3.67E-09	2.24E-15	1.62E-10	1.08E-09	2.95E-09	7.86E-09
Strontium	Water	groundw kg	2.78E-11	2.94E-11	1.45E-10	8.75E-11	5.34E-17	3.87E-12	2.57E-11	7.01E-11	1.87E-10
Sulfate	Water	groundw kg	5.43E-08	8.53E-08	3.98E-07	2.59E-07	1.60E-13	9.90E-09	6.78E-08	1.37E-07	4.73E-07
Thallium	Water	groundw kg	1.16E-16	1.83E-16	8.54E-16	5.55E-16	3.48E-22	2.13E-17	1.61E-16	2.92E-16	1.03E-15
Thorium-228	Water	groundw Bq	1.49E-10	8.00E-11	2.65E-10	3.62E-11	3.46E-17	1.20E-11	3.57E-11	3.76E-10	4.60E-10
Tin, ion	Water	groundw kg	2.66E-15	3.05E-15	1.49E-14	9.16E-15	5.61E-21	3.91E-16	2.68E-15	6.71E-15	1.89E-14
Titanium, ion	Water	groundw kg	3.57E-12	5.74E-12	2.68E-11	1.75E-11	1.47E-17	6.66E-13	3.67E-12	9.01E-12	3.08E-11
Tungsten	Water	groundw kg	1.50E-12	2.38E-12	1.11E-11	7.23E-12	4.57E-18	2.76E-13	2.07E-12	3.79E-12	1.34E-11
Uranium-238	Water	groundw Bq	6.25E-09	3.35E-09	1.11E-08	1.52E-09	1.45E-15	4.99E-10	1.49E-09	1.58E-08	1.93E-08
Vanadium, ion	Water	groundw kg	1.89E-12	3.05E-12	1.42E-11	9.24E-12	7.47E-18	3.52E-13	1.68E-12	4.75E-12	1.60E-11
Zinc, ion	Water	groundw kg	1.09E-12	1.44E-12	6.85E-12	4.33E-12	3.33E-18	1.77E-13	1.02E-12	2.74E-12	8.27E-12
Aluminum	Water	groundw kg	4.80E-08	3.79E-08	2.05E-07	1.19E-07	7.33E-14	7.29E-09	3.52E-08	1.21E-07	2.83E-07
Ammonium, ion	Water	groundw kg	1.42E-10	3.50E-11	1.90E-10	1.35E-11	1.16E-17	9.87E-12	5.08E-12	3.58E-10	3.86E-10
Antimony	Water	groundw kg	1.20E-11	3.65E-11	1.67E-10	1.19E-10	3.52E-17	1.34E-12	4.32E-11	3.02E-11	1.93E-10
Arsenic, ion	Water	groundw kg	5.71E-12	4.56E-13	7.26E-12	1.10E-12	7.01E-19	6.65E-13	1.56E-12	1.44E-11	1.77E-11
Barium	Water	groundw kg	4.60E-10	6.36E-10	3.18E-09	2.09E-09	1.17E-15	7.57E-11	5.54E-10	1.16E-09	3.88E-09
Beryllium	Water	groundw kg	2.91E-12	4.62E-12	2.16E-11	1.41E-11	8.42E-18	5.32E-13	2.76E-12	7.33E-12	2.47E-11
BOD5, Biological Oxygen De	Water	groundw kg	3.76E-08	1.36E-08	6.26E-08	1.14E-08	6.74E-14	2.58E-09	1.17E-08	9.48E-08	1.21E-07
Boron	Water	groundw kg	6.02E-10	8.67E-10	4.00E-09	2.53E-09	1.62E-15	1.02E-10	7.13E-10	1.52E-09	4.86E-09
Bromine	Water	groundw kg	6.17E-12	1.63E-11	5.74E-11	3.49E-11	1.07E-17	5.92E-13	1.67E-11	1.56E-11	6.78E-11
Cadmium, ion	Water	groundw kg	5.08E-12	2.83E-12	1.44E-11	6.50E-12	3.71E-18	5.58E-13	1.14E-12	1.28E-11	2.10E-11
Calcium, ion	Water	groundw kg	2.56E-07	1.50E-07	9.03E-07	4.97E-07	2.97E-13	5.14E-08	1.90E-07	6.46E-07	1.38E-06
Chloride	Water	groundw kg	2.32E-08	1.05E-08	3.57E-08	2.03E-09	4.18E-15	1.89E-09	2.61E-06	5.84E-08	2.67E-06
Chromium VI	Water	groundw kg	1.28E-09	3.35E-10	1.99E-09	3.76E-10	5.61E-16	9.88E-11	2.51E-10	3.23E-09	3.95E-09
Cobalt	Water	groundw kg	1.81E-10	2.35E-10	8.50E-10	4.34E-10	2.43E-16	1.90E-11	3.69E-10	4.57E-10	1.28E-09
COD, Chemical Oxygen Dem	Water	groundw kg	1.01E-07	4.01E-08	1.76E-07	3.47E-08	7.92E-14	7.39E-09	3.28E-08	2.54E-07	3.29E-07
Copper, ion	Water	groundw kg	4.01E-10	6.99E-10	2.53E-09	1.43E-09	6.83E-16	2.31E-11	9.41E-10	1.01E-09	3.41E-09
DOC, Dissolved Organic Carl	Water	groundw kg	4.96E-08	1.82E-08	8.25E-08	1.47E-08	3.48E-14	3.56E-09	1.34E-08	1.25E-07	1.57E-07
Fluoride	Water	groundw kg	1.09E-09	1.16E-09	3.97E-09	1.73E-09	8.14E-16	8.51E-11	1.21E-09	2.74E-09	5.76E-09
Heat, waste	Water	groundw MJ	2.88E-06	7.71E-07	3.93E-06	2.77E-07	2.39E-13	2.03E-07	9.79E-08	7.26E-06	7.83E-06
Hydrogen sulfide	Water	groundw kg	8.48E-10	7.40E-11	1.01E-09	8.79E-11	6.83E-17	8.01E-11	1.32E-10	2.14E-09	2.44E-09
Iodide	Water	groundw kg	1.74E-16	2.64E-17	2.41E-16	4.03E-17	2.81E-23	1.17E-17	1.83E-17	4.40E-16	5.10E-16
Iron, ion	Water	groundw kg	1.95E-08	2.46E-08	1.17E-07	7.32E-08	4.38E-14	2.96E-09	2.36E-08	4.92E-08	1.49E-07
Lead	Water	groundw kg	1.34E-10	5.27E-11	3.16E-10	1.30E-10	6.83E-17	1.36E-11	3.33E-11	3.38E-10	5.14E-10
Magnesium	Water	groundw kg	1.71E-08	2.00E-08	1.17E-07	7.96E-08	3.65E-14	2.52E-09	5.69E-08	4.31E-08	1.82E-07
Manganese	Water	groundw kg	6.09E-10	3.46E-10	1.87E-09	9.16E-10	5.75E-16	8.76E-11	4.12E-10	1.54E-09	2.95E-09
Mercury	Water	groundw kg	3.24E-12	7.74E-13	6.40E-12	2.38E-12	7.47E-19	2.20E-13	2.98E-13	8.17E-12	1.11E-11
Molybdenum	Water	groundw kg	3.38E-13	2.08E-13	1.26E-12	7.11E-13	1.90E-19	2.39E-14	5.23E-13	8.54E-13	2.11E-12
Nickel, ion	Water	groundw kg	1.94E-09	9.53E-10	4.33E-09	1.44E-09	1.19E-15	1.22E-10	1.40E-09	4.89E-09	7.85E-09
Nitrate	Water	groundw kg	1.15E-10	3.97E-11	8.00E-09	7.84E-09	2.57E-15	7.67E-12	7.35E-11	2.90E-10	8.21E-09
Nitrite	Water	groundw kg	7.70E-12	1.90E-12	1.03E-11	7.35E-13	6.33E-19	5.36E-13	2.76E-13	1.94E-11	2.10E-11
Nitrogen, organic bound	Water	groundw kg	2.32E-10	5.72E-11	3.11E-10	2.20E-11	1.90E-17	1.61E-11	8.30E-12	5.84E-10	6.30E-10
Phosphate	Water	groundw kg	7.67E-09	2.24E-09	1.46E-08	4.67E-09	1.56E-14	5.56E-10	2.64E-09	1.93E-08	2.72E-08
Potassium, ion	Water	groundw kg	5.76E-09	4.06E-09	2.28E-08	1.30E-08	5.61E-15	5.74E-10	3.58E-08	1.45E-08	6.39E-08
Scandium	Water	groundw kg	3.58E-12	5.62E-12	2.73E-11	1.81E-11	1.02E-17	6.41E-13	3.58E-12	9.04E-12	3.14E-11
Selenium	Water	groundw kg	2.93E-12	4.26E-12	2.12E-11	1.40E-11	7.60E-18	4.99E-13	2.42E-12	7.39E-12	2.43E-11

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				Electricité	Lubrifiant	TOTAL	Debouillissage	Teinture	Séchage	Encollage	Electricité	TOTAL
Silicon	Water	groundw	kg	4.46E-07	4.76E-07	2.25E-06	1.33E-06	1.61E-12	5.26E-08	5.75E-07	1.13E-06	3.08E-06
Silver, ion	Water	groundw	kg	1.03E-13	9.74E-14	4.92E-13	2.92E-13	6.92E-20	4.94E-15	1.20E-13	2.59E-13	6.75E-13
Sodium, ion	Water	groundw	kg	2.10E-08	9.21E-09	4.67E-08	1.66E-08	1.24E-14	2.24E-09	1.34E-06	5.29E-08	1.41E-06
Strontium	Water	groundw	kg	3.42E-10	5.00E-10	2.33E-09	1.49E-09	9.14E-16	5.88E-11	4.06E-10	8.64E-10	2.81E-09
Sulfate	Water	groundw	kg	1.35E-07	1.25E-07	6.48E-07	3.88E-07	2.70E-13	1.83E-08	1.06E-06	3.40E-07	1.81E-06
Thallium	Water	groundw	kg	6.07E-13	4.37E-13	2.44E-12	1.39E-12	8.73E-19	9.19E-14	3.70E-13	1.53E-12	3.39E-12
Tin, ion	Water	groundw	kg	2.39E-11	1.50E-11	8.56E-11	4.67E-11	2.76E-17	2.50E-12	1.36E-11	6.02E-11	1.23E-10
Titanium, ion	Water	groundw	kg	1.78E-09	1.35E-09	6.89E-09	3.77E-09	1.97E-15	1.89E-10	1.42E-09	4.48E-09	9.85E-09
TOC, Total Organic Carbon	Water	groundw	kg	4.96E-08	1.82E-08	8.25E-08	1.47E-08	3.48E-14	3.56E-09	1.34E-08	1.25E-07	1.57E-07
Tungsten	Water	groundw	kg	3.11E-12	4.92E-12	2.32E-11	1.51E-11	9.19E-18	5.68E-13	3.77E-12	7.83E-12	2.73E-11
Vanadium, ion	Water	groundw	kg	6.72E-10	1.69E-10	1.21E-09	3.64E-10	2.33E-16	3.85E-11	1.06E-10	1.69E-09	2.20E-09
Zinc, ion	Water	groundw	kg	6.00E-10	2.42E-10	1.48E-09	6.36E-10	5.29E-16	5.56E-11	2.56E-10	1.51E-09	2.46E-09
Calcium, ion	Water	lake	kg	2.25E-10	3.03E-10	1.11E-09	5.80E-10	3.98E-16	2.43E-11	7.81E-10	5.67E-10	1.95E-09
DOC, Dissolved Organic Carl	Water	lake	kg	1.46E-12	5.45E-13	2.09E-12	8.60E-14	1.62E-19	1.05E-13	1.31E-13	3.68E-12	4.01E-12
Acenaphthene	Water	ocean	kg	2.01E-14	2.54E-14	4.66E-14	1.11E-15	5.34E-21	2.46E-15	6.61E-16	5.07E-14	5.50E-14
Acenaphthylene	Water	ocean	kg	1.26E-15	1.59E-15	2.92E-15	6.97E-17	3.35E-22	1.54E-16	4.14E-17	3.17E-15	3.44E-15
Actinides, radioactive, unspe	Water	ocean	Bq	1.19E-06	1.95E-06	9.04E-06	5.90E-06	4.75E-12	2.24E-07	8.56E-07	3.01E-06	9.99E-06
Aluminum	Water	ocean	kg	5.09E-09	7.78E-10	5.95E-09	8.20E-11	2.25E-16	3.35E-10	6.01E-11	1.28E-08	1.33E-08
Ammonium, ion	Water	ocean	kg	2.29E-10	5.47E-10	7.93E-10	1.68E-11	1.04E-16	2.74E-11	1.30E-11	5.77E-10	6.34E-10
AOX, Adsorbable Organic Ha	Water	ocean	kg	1.43E-12	1.56E-12	3.07E-12	7.04E-14	3.30E-19	1.58E-13	4.27E-14	3.61E-12	3.88E-12
Arsenic, ion	Water	ocean	kg	7.57E-12	2.78E-12	1.06E-11	2.52E-13	7.06E-19	5.84E-13	5.59E-12	1.91E-11	2.55E-11
Barite	Water	ocean	kg	2.55E-07	4.56E-08	3.05E-07	4.46E-09	1.29E-14	1.71E-08	2.96E-09	6.43E-07	6.68E-07
Barium	Water	ocean	kg	2.81E-09	3.56E-09	6.53E-09	1.56E-10	7.51E-16	3.46E-10	9.27E-11	7.09E-09	7.69E-09
Benzene	Water	ocean	kg	2.70E-10	3.37E-10	6.22E-10	1.48E-11	7.10E-17	3.29E-11	8.80E-12	6.82E-10	7.38E-10
Benzene, ethyl-	Water	ocean	kg	7.77E-11	9.81E-11	1.80E-10	4.30E-12	2.07E-17	9.51E-12	2.56E-12	1.96E-10	2.12E-10
BOD5, Biological Oxygen De	Water	ocean	kg	4.36E-07	4.15E-07	8.71E-07	1.95E-08	8.78E-14	4.65E-08	1.34E-08	1.10E-06	1.18E-06
Boron	Water	ocean	kg	2.64E-11	3.35E-11	6.14E-11	1.56E-12	7.06E-18	3.24E-12	8.83E-13	6.66E-11	7.23E-11
Bromine	Water	ocean	kg	2.25E-09	2.86E-09	5.24E-09	1.25E-10	6.02E-16	2.77E-10	7.44E-11	5.68E-09	6.16E-09
Cadmium, ion	Water	ocean	kg	1.40E-12	1.10E-12	2.59E-12	8.32E-14	2.55E-19	1.41E-13	2.10E-12	3.54E-12	5.87E-12
Calcium, ion	Water	ocean	kg	1.06E-07	1.29E-07	2.42E-07	6.90E-09	2.80E-14	1.27E-08	9.96E-08	2.67E-07	3.86E-07
Carboxylic acids, unspecified	Water	ocean	kg	2.08E-08	2.29E-08	4.48E-08	1.04E-09	4.89E-15	2.38E-09	6.19E-10	5.25E-08	5.66E-08
Cesium	Water	ocean	kg	3.24E-12	4.09E-12	7.51E-12	1.79E-13	8.60E-19	3.97E-13	1.06E-13	8.17E-12	8.85E-12
Cesium-137	Water	ocean	Bq	1.36E-04	2.23E-04	1.04E-03	6.76E-04	5.43E-10	2.57E-05	9.81E-05	3.44E-04	1.14E-03
Chloride	Water	ocean	kg	1.62E-06	2.05E-06	3.77E-06	8.99E-08	4.32E-13	1.99E-07	5.33E-08	4.10E-06	4.44E-06
Chlorinated solvents, unspec	Water	ocean	kg	2.52E-21	4.81E-21	1.93E-20	1.19E-20	9.41E-27	4.18E-22	1.23E-20	6.35E-21	3.10E-20
Chromium, ion	Water	ocean	kg	1.89E-11	1.94E-11	3.93E-11	9.82E-13	4.19E-18	2.17E-12	1.15E-12	4.77E-11	5.20E-11
Cobalt	Water	ocean	kg	4.11E-15	6.72E-15	3.12E-14	2.04E-14	1.64E-20	7.75E-16	2.96E-15	1.04E-14	3.45E-14
COD, Chemical Oxygen Dem	Water	ocean	kg	4.38E-07	4.22E-07	8.80E-07	1.97E-08	8.91E-14	4.69E-08	1.36E-08	1.10E-06	1.18E-06
Copper, ion	Water	ocean	kg	1.59E-11	4.00E-12	2.02E-11	3.30E-13	1.04E-18	1.13E-12	8.83E-13	4.01E-11	4.25E-11
Cyanide	Water	ocean	kg	1.14E-11	1.45E-11	2.66E-11	6.76E-13	3.05E-18	1.40E-12	3.82E-13	2.88E-11	3.13E-11
DOC, Dissolved Organic Carl	Water	ocean	kg	1.40E-07	1.38E-07	2.85E-07	6.47E-09	2.93E-14	1.52E-08	4.32E-09	3.53E-07	3.79E-07
Fluoride	Water	ocean	kg	3.84E-10	4.45E-10	8.62E-10	3.30E-11	1.00E-16	4.47E-11	1.00E-09	9.68E-10	2.05E-09
Glutaraldehyde	Water	ocean	kg	3.15E-11	5.63E-12	3.76E-11	5.51E-13	1.60E-18	2.13E-12	3.67E-13	7.93E-11	8.24E-11
Hydrocarbons, aliphatic, alka	Water	ocean	kg	4.21E-10	5.31E-10	9.75E-10	2.33E-11	1.12E-16	5.15E-11	1.38E-11	1.06E-09	1.15E-09
Hydrocarbons, aliphatic, unsa	Water	ocean	kg	3.89E-11	4.90E-11	9.00E-11	2.14E-12	1.03E-17	4.76E-12	1.28E-12	9.80E-11	1.06E-10
Hydrocarbons, aromatic	Water	ocean	kg	2.09E-09	2.24E-09	4.44E-09	1.02E-10	4.80E-16	2.36E-10	6.11E-11	5.28E-09	5.68E-09
Hydrocarbons, unspecified	Water	ocean	kg	4.75E-09	8.55E-10	5.69E-09	8.36E-11	2.46E-16	3.22E-10	5.54E-11	1.20E-08	1.24E-08
Hydrogen-3, Tritium	Water	ocean	Bq	2.84E-01	4.63E-01	2.15E+00	1.40E+00	1.13E-06	5.34E-02	2.04E-01	7.15E-01	2.37E+00
Hypochlorite	Water	ocean	kg	2.07E-09	1.88E-11	2.15E-09	5.70E-11	3.34E-17	2.15E-12	3.84E-12	5.22E-09	5.28E-09
Iodide	Water	ocean	kg	3.24E-10	4.09E-10	7.51E-10	1.79E-11	8.60E-17	3.97E-11	1.06E-11	8.17E-10	8.85E-10
Iron, ion	Water	ocean	kg	1.78E-10	2.18E-10	4.06E-10	9.79E-12	4.62E-17	2.15E-11	5.81E-12	4.50E-10	4.87E-10
Lead	Water	ocean	kg	4.37E-11	3.01E-11	7.55E-11	1.67E-12	6.74E-18	4.20E-12	1.24E-12	1.10E-10	1.17E-10
Lead-210	Water	ocean	Bq	1.43E-05	7.68E-06	2.55E-05	3.48E-06	3.32E-12	1.14E-06	2.51E-04	3.61E-05	2.91E-04
Magnesium	Water	ocean	kg	1.78E-08	2.26E-08	4.14E-08	9.93E-10	4.75E-15	2.18E-09	5.86E-10	4.49E-08	4.87E-08
Manganese	Water	ocean	kg	1.43E-10	1.81E-10	3.31E-10	8.00E-12	3.80E-17	1.75E-11	8.19E-12	3.60E-10	3.93E-10
Mercury	Water	ocean	kg	4.47E-13	8.83E-14	5.44E-13	8.14E-15	2.43E-20	3.06E-14	5.37E-15	1.13E-12	1.17E-12
Methanol	Water	ocean	kg	9.94E-10	8.36E-12	1.02E-09	1.33E-11	1.77E-17	5.84E-11	8.25E-12	2.51E-09	2.59E-09
Molybdenum	Water	ocean	kg	6.61E-13	8.36E-13	1.54E-12	3.90E-14	1.76E-19	8.10E-14	2.20E-14	1.67E-12	1.81E-12
Nickel, ion	Water	ocean	kg	2.12E-12	1.81E-12	4.08E-12	1.57E-13	4.32E-19	2.19E-13	3.75E-12	5.34E-12	9.47E-12
Nitrate	Water	ocean	kg	6.32E-10	8.31E-10	1.94E-09	4.73E-10	4.98E-16	8.32E-11	8.21E-11	1.59E-09	2.23E-09
Nitrite	Water	ocean	kg	1.85E-12	3.03E-12	1.40E-11	9.16E-12	7.38E-18	3.48E-13	1.33E-12	4.66E-12	1.55E-11
Nitrogen	Water	ocean	kg	4.00E-11	1.82E-11	5.92E-11	9.79E-13	4.19E-18	3.26E-12	6.68E-13	1.01E-10	1.06E-10
Nitrogen, organic bound	Water	ocean	kg	1.16E-09	5.09E-10	1.73E-09	5.26E-11	3.08E-16	1.44E-10	1.94E-11	2.93E-09	3.15E-09
Oils, unspecified	Water	ocean	kg	1.35E-07	1.28E-07	2.70E-07	6.06E-09	2.72E-14	1.45E-08	4.16E-09	3.41E-07	3.66E-07
PAH, polycyclic aromatic hyd	Water	ocean	kg	2.61E-11	3.24E-11	6.00E-11	1.42E-12	6.83E-18	3.16E-12	8.46E-13	6.58E-11	7.12E-11
Phenol	Water	ocean	kg	4.20E-10	5.12E-10	9.55E-10	2.28E-11	1.08E-16	5.10E-11	1.34E-11	1.06E-09	1.15E-09
Phosphate	Water	ocean	kg	2.42E-10	1.29E-10	4.30E-10	5.87E-11	5.61E-17	1.93E-11	4.22E-09	6.09E-10	4.91E-09
Phosphorus	Water	ocean	kg	2.56E-11	3.23E-11	5.96E-11	1.68E-12	6.97E-18	3.14E-12	8.78E-13	6.45E-11	7.02E-11
Polonium-210	Water	ocean	Bq	2.18E-05	1.17E-05	3.89E-05	5.30E-06	5.07E-12	1.75E-06	3.82E-04	5.51E-05	4.44E-04
Potassium-40	Water	ocean	Bq	1.73E-06	9.28E-07	3.08E-06	4.21E-07	4.01E-13	1.39E-07	3.03E-05	4.36E-06	3.52E-05
Potassium, ion	Water	ocean	kg	1.38E-08	1.72E-08	3.18E-08	7.60E-10	3.63E-15	1.68E-09	4.49E-10	3.49E-08	3.78E-08
Radioactive species, Nuclide	Water	ocean	Bq	7.13E-04	1.16E-03	5.40E-03	3.53E-03	2.84E-09	1.34E-04	5.12E-04	1.80E-03	5.97E-03
Radium-224	Water	ocean	Bq	1.62E-04	2.04E-04	3.74E-04	8.95E-06	4.31E-11	1.98E-05	5.32E-06	4.08E-04	4.42E-04
Radium-226	Water	ocean	Bq	2.75E-04	3.36E-04	6.29E-04	1.83E-05	7.29E-11	3.30E-05	2.91E-04	6.93E-04	1.04E-03
Radium-228	Water	ocean	Bq	3.24E-04	4.09E-04	7.51E-04	1.79E-05	8.60E-11	3.97E-05	1.06E-05	8.17E-04	8.85E-04
Rubidium	Water	ocean	kg	3.24E-11	4.09E-11	7.51E-11	1.79E-12	8.60E-18	3.97E-12	1.06E-12	8.17E-11	8.85E-11
Selenium	Water	ocean	kg	9.90E-13	1.25E-12	2.30E-12	5.85E-14	2.64E-19	1.22E-13	3.31E-14	2.50E-12	2.71E-12
Silicon	Water	ocean	kg	7.87E-12	1.23E-12	9.23E-12	1.28E-13	3.54E-19	5.21E-13	9.37E-14	1.98E-11	2.06E-11
Silver, ion	Water	ocean	kg	1.94E-12	2.45E-12	4.50E-12	1.07E-13	5.16E-19	2.38E-13	6.38E-14	4.89E-12	5.30E-12
Sodium, ion	Water	ocean	kg	9.90E-07	1.25E-06	2.30E-06	5.49E-08	2.64E-13	1.22E-07	3.25E-08	2.50E-06	2.70E-06
Strontium	Water	ocean	kg	1.94E-08	2.46E-08	4.51E-08	1.08E-09	5.16E-15	2.38E-09	6.39E-10	4.90E-08	5.31E-08
Strontium-90	Water	ocean	Bq	1.52E-05	2.47E-05	1.15E-04	7.52E-05	6.06E-11	2.86E-06	1.09E-05	3.83E-05	1.27E-04
Sulfate	Water	ocean	kg	2.74E-08	2.33E-08	5.47E-08	4.01E-09	6.61E-15	2.79E-09	1.92E-07	6.91E-08	2.68E-07
Sulfide	Water	ocean	kg	6.28E-12	8.71E-12	1.61E-11	1.13E-12	2.37E-18	7.77E-13	3.30E-13	1.58E-11	1.81E-11
Sulfite	Water	ocean	kg	4.84E-21	3.79E-21	1.78E-20	9.18E-21	3.53E-27	7.49E-19	3.84E-19	1.22E-20	1.15E-18
Sulfur	Water	ocean	kg	1.21E-10	6.01E-11	1.84E-10	3.08E-12	1.36E-17	1.01E-11	2.10E-12	3.04E-10	3.19E-10
Suspended solids, unspecifie	Water	ocean	kg	9.02E-07	1.65E-07	1.08E-06	1.59E-08	4.66E-14	6.09E-08	1.06E-08	2.27E-06	2.36E-06
t-Butyl methyl ether	Water	ocean	kg	2.09E-11	2.64E-11	4.86E-11	1.24E-12	5.57E-18	2.57E-12	6.98E-13	5.28E-11	5.73E-11
Thorium-228	Water	ocean	Bq	6.46E-04	8.18E-04	1.50E-03	3.59E-05	1.72E-10	7.92E-05	2.44E-05	1.63E-03	1.77E-03
Titanium, ion	Water	ocean	kg	1.27E-12	1.87E-13	1.48E-12	2.03E-14	5.48E-20	8.35E-14	1.49E-14	3.20E-12	3.32E-12
TOC, Total Organic Carbon	Water	ocean	kg	1.40E-07	1.38E-07	2.85E-07	6.47E-09	2.93E-14	1.52E-08	4.34E-09	3.53E-07	3.79E-07
Toluene	Water	ocean	kg	4.62E-10	6.22E-10	1.11E-09	2.61E-11	1.29E-16	5.63E-11	1.60E-11	1.17E-09	1.26E-09
Tributyltin compounds	Water	ocean	kg	9.80E-12	1.19E-11	2.34E-11	1.63E-12	3.07E-18	1.18E-12	6.80E-13	2.47E-11	2.82E-11
Triethylene glycol	Water	ocean	kg	8.26E-10	6.88E-12	8.44E-10	1.11E-11	1.45E-17	4.84E-11	6.83E-12	2.08E-09	2.15E-09
Uranium-238	Water	ocean	Bq	7.35E-06	3.94E-06	1.31E-05	1.78E-06	1.71E-12	5.87E-07	1.29E-04	1.85E-05	1.49E-04

				Filage du coton		Filage du coton	Tissage				Tissage	
				Electricité	Lubrifiant	TOTAL	Debouillissage	Teinture	Séchage	Encollage	Electricité	TOTAL
Vanadium, ion	Water	ocean	kg	1.98E-12	2.50E-12	4.59E-12	1.17E-13	5.25E-19	2.42E-13	6.60E-14	4.98E-12	5.41E-12
VOC, volatile organic compou	Water	ocean	kg	1.13E-09	1.44E-09	2.63E-09	6.27E-11	3.01E-16	1.39E-10	3.72E-11	2.85E-09	3.09E-09
Xylene	Water	ocean	kg	3.86E-10	4.82E-10	8.90E-10	2.13E-11	1.02E-16	4.71E-11	1.26E-11	9.74E-10	1.05E-09
Zinc, ion	Water	ocean	kg	1.24E-08	2.49E-09	1.51E-08	2.26E-10	6.83E-16	8.50E-10	1.55E-10	3.13E-08	3.26E-08
Acenaphthene	Water	river	kg	4.03E-14	5.01E-14	9.28E-14	2.31E-15	1.14E-20	4.90E-15	1.82E-15	1.02E-13	1.11E-13
Acenaphthylene	Water	river	kg	2.53E-15	3.14E-15	5.81E-15	1.45E-16	7.15E-22	3.07E-16	1.14E-16	6.37E-15	6.94E-15
Acetic acid	Water	river	kg	5.40E-12	5.06E-12	1.42E-11	3.69E-12	3.86E-18	5.29E-13	5.69E-12	1.36E-11	2.35E-11
Acidity, unspecified	Water	river	kg	2.69E-11	7.72E-12	1.30E-09	1.27E-09	4.15E-18	1.72E-12	7.56E-12	6.79E-11	1.34E-09
Aluminum	Water	river	kg	4.58E-10	3.88E-10	1.62E-09	7.75E-10	6.47E-16	1.65E-09	9.64E-10	1.16E-09	4.55E-09
Ammonium, ion	Water	river	kg	3.14E-10	4.81E-10	9.58E-08	9.50E-08	4.48E-16	3.83E-11	3.26E-09	7.91E-10	9.91E-08
Antimony	Water	river	kg	4.18E-12	1.62E-11	7.37E-11	5.33E-11	1.28E-17	3.10E-13	2.27E-11	1.05E-11	8.69E-11
Antimony-122	Water	river	Bq	4.10E-10	5.71E-10	2.71E-09	1.73E-09	8.01E-15	7.22E-11	1.39E-09	1.03E-09	4.23E-09
Antimony-124	Water	river	Bq	1.90E-07	3.06E-07	1.43E-06	9.29E-07	9.91E-13	3.55E-08	1.65E-07	4.80E-07	1.61E-06
Antimony-125	Water	river	Bq	1.65E-07	2.62E-07	1.22E-06	7.95E-07	8.82E-13	3.06E-08	1.33E-07	4.16E-07	1.37E-06
AOX, Adsorbable Organic Ha	Water	river	kg	3.72E-11	8.38E-12	4.79E-11	2.33E-12	2.51E-18	8.11E-13	7.71E-13	9.37E-11	9.76E-11
Arsenic, ion	Water	river	kg	5.79E-11	2.45E-11	1.43E-10	6.05E-11	4.66E-17	5.14E-12	3.67E-11	1.46E-10	2.48E-10
Barium	Water	river	kg	5.66E-09	7.04E-09	1.30E-08	3.29E-10	1.61E-15	6.89E-10	2.56E-10	1.43E-08	1.56E-08
Barium-140	Water	river	Bq	1.79E-09	2.50E-09	1.19E-08	7.60E-09	3.51E-14	3.16E-10	6.11E-09	4.52E-09	1.85E-08
Benzene	Water	river	kg	4.50E-10	5.33E-10	1.02E-09	3.90E-11	1.25E-16	5.21E-11	3.30E-11	1.13E-09	1.26E-09
Benzene, ethyl-	Water	river	kg	1.55E-10	1.94E-10	3.58E-10	8.93E-12	4.42E-17	1.89E-11	7.00E-12	3.92E-10	4.27E-10
Beryllium	Water	river	kg	5.84E-15	9.33E-15	4.38E-14	2.86E-14	2.39E-20	1.08E-15	5.57E-15	1.47E-14	5.00E-14
BOD5, Biological Oxygen De	Water	river	kg	1.76E-06	2.22E-06	4.16E-06	1.79E-07	4.75E-13	2.15E-07	1.94E-07	4.44E-06	5.03E-06
Boron	Water	river	kg	6.97E-11	5.71E-11	1.77E-10	5.05E-11	5.11E-17	7.40E-12	1.95E-11	1.76E-10	2.53E-10
Bromate	Water	river	kg	2.27E-11	1.09E-11	1.44E-08	1.43E-08	2.47E-16	1.87E-12	5.97E-12	5.71E-11	1.44E-08
Bromine	Water	river	kg	4.57E-09	5.72E-09	1.07E-08	4.12E-10	1.33E-15	5.54E-10	2.81E-10	1.15E-08	1.28E-08
Butene	Water	river	kg	5.09E-15	3.09E-15	2.91E-14	2.09E-14	6.02E-21	7.83E-16	1.49E-14	1.28E-14	4.94E-14
Cadmium, ion	Water	river	kg	3.48E-11	1.64E-11	8.86E-11	3.74E-11	4.57E-17	3.65E-12	6.65E-11	8.78E-11	1.95E-10
Calcium, ion	Water	river	kg	2.06E-07	2.53E-07	6.18E-07	1.59E-07	7.38E-14	2.50E-08	1.99E-08	5.20E-07	7.23E-07
Carbonate	Water	river	kg	7.30E-11	8.82E-11	1.24E-09	1.08E-09	1.52E-16	8.86E-12	8.04E-11	1.84E-10	1.35E-09
Carboxylic acids, unspecified	Water	river	kg	2.38E-08	2.97E-08	5.49E-08	1.37E-09	6.79E-15	2.90E-09	1.07E-09	5.99E-08	6.53E-08
Cerium-141	Water	river	Bq	7.17E-10	9.99E-10	4.75E-09	3.03E-09	1.40E-14	1.27E-10	2.44E-09	1.81E-09	7.41E-09
Cerium-144	Water	river	Bq	2.18E-10	3.04E-10	1.45E-09	9.25E-10	4.27E-15	3.85E-11	7.44E-10	5.51E-10	2.26E-09
Cesium	Water	river	kg	6.47E-12	8.06E-12	1.49E-11	3.73E-13	1.84E-18	7.88E-13	2.91E-13	1.63E-11	1.78E-11
Cesium-134	Water	river	Bq	1.49E-07	2.40E-07	1.12E-06	7.29E-07	5.79E-13	2.78E-08	7.99E-08	3.77E-07	1.21E-06
Cesium-136	Water	river	Bq	1.27E-10	1.77E-10	8.44E-10	5.39E-10	2.49E-15	2.24E-11	4.32E-10	3.21E-10	1.32E-09
Cesium-137	Water	river	Bq	5.22E-07	7.95E-07	3.73E-06	2.41E-06	5.20E-12	9.52E-08	8.77E-07	1.32E-06	4.70E-06
Chlorate	Water	river	kg	1.97E-10	9.87E-11	1.10E-07	1.09E-07	1.90E-15	1.66E-11	5.44E-11	4.96E-10	1.10E-07
Chloride	Water	river	kg	3.44E-06	4.09E-06	1.22E-05	4.64E-06	1.95E-12	4.08E-07	1.43E-06	8.68E-06	1.52E-05
Chlorinated solvents, unspec	Water	river	kg	2.04E-13	4.82E-13	3.31E-11	3.24E-11	2.32E-18	5.09E-14	7.17E-13	5.15E-13	3.37E-11
Chlorine	Water	river	kg	8.94E-13	7.81E-13	3.94E-12	2.26E-12	9.32E-19	1.24E-10	6.36E-11	2.26E-12	1.92E-10
Chloroform	Water	river	kg	1.11E-20	1.49E-20	7.02E-20	4.42E-20	4.00E-26	3.16E-19	1.77E-19	2.81E-20	5.65E-19
Chromium-51	Water	river	Bq	2.07E-07	3.01E-07	1.43E-06	9.18E-07	2.81E-12	3.70E-08	4.81E-07	5.21E-07	1.96E-06
Chromium VI	Water	river	kg	4.05E-10	1.15E-10	6.53E-10	1.34E-10	1.85E-16	3.12E-11	9.24E-11	1.02E-09	1.28E-09
Chromium, ion	Water	river	kg	2.87E-11	1.38E-11	6.98E-11	2.73E-11	6.11E-18	1.55E-12	4.34E-12	7.24E-11	1.06E-10
Cobalt	Water	river	kg	7.32E-12	3.04E-12	1.14E-11	1.08E-12	6.70E-16	4.79E-13	3.63E-12	1.85E-11	2.37E-11
Cobalt-57	Water	river	Bq	4.04E-09	5.63E-09	2.68E-08	1.71E-08	7.92E-14	7.13E-10	1.37E-08	1.02E-08	4.18E-08
Cobalt-58	Water	river	Bq	1.51E-06	2.33E-06	1.09E-05	7.08E-06	1.41E-11	2.77E-07	2.29E-06	3.82E-06	1.35E-05
Cobalt-60	Water	river	Bq	1.20E-06	1.82E-06	8.55E-06	5.53E-06	1.20E-11	2.18E-07	2.04E-06	3.01E-06	1.08E-05
COD, Chemical Oxygen Dem	Water	river	kg	1.79E-06	2.23E-06	4.23E-06	2.09E-07	4.80E-13	2.17E-07	4.54E-07	4.52E-06	5.40E-06
Copper, ion	Water	river	kg	8.50E-11	4.14E-11	2.19E-10	9.31E-11	1.99E-16	7.54E-12	1.41E-10	2.14E-10	4.55E-10
Cumene	Water	river	kg	6.15E-11	5.05E-11	1.34E-10	2.23E-11	1.67E-17	4.82E-12	1.90E-11	1.55E-10	2.01E-10
Cyanide	Water	river	kg	2.71E-11	2.19E-11	5.29E-08	5.28E-08	2.89E-17	2.70E-12	2.10E-11	6.84E-11	5.29E-08
Dichromate	Water	river	kg	4.01E-13	4.69E-13	2.03E-12	1.16E-12	5.84E-18	1.69E-13	4.24E-13	1.01E-12	2.76E-12
DOC, Dissolved Organic Carl	Water	river	kg	5.23E-07	6.56E-07	1.26E-06	7.79E-08	1.43E-13	6.39E-08	1.20E-07	1.32E-06	1.58E-06
Ethane, 1,2-dichloro-	Water	river	kg	2.80E-13	2.03E-13	2.19E-08	2.19E-08	2.67E-19	2.75E-14	1.23E-12	7.05E-13	2.19E-08
Ethene	Water	river	kg	2.26E-11	1.91E-11	4.48E-11	3.14E-12	4.89E-18	1.97E-12	1.65E-11	5.70E-11	7.86E-11
Ethene, chloro-	Water	river	kg	1.29E-14	3.03E-14	8.77E-14	4.46E-14	1.32E-19	3.95E-15	4.31E-14	3.24E-14	1.24E-13
Ethylene diamine	Water	river	kg	5.42E-17	7.85E-17	1.27E-08	1.27E-08	8.82E-23	5.33E-18	1.37E-16	1.37E-16	1.27E-08
Ethylene oxide	Water	river	kg	9.15E-16	8.73E-16	3.25E-15	1.47E-15	7.92E-22	3.23E-17	1.12E-15	2.31E-15	4.93E-15
Fluoride	Water	river	kg	1.64E-09	4.65E-10	2.38E-09	2.78E-10	3.36E-14	5.54E-11	2.46E-10	4.13E-09	4.71E-09
Fluosilicic acid	Water	river	kg	1.58E-12	6.49E-13	5.58E-12	3.35E-12	8.73E-19	5.89E-14	1.60E-12	3.99E-12	8.99E-12
Formaldehyde	Water	river	kg	7.58E-14	7.86E-14	2.54E-08	2.54E-08	1.26E-19	4.20E-15	1.70E-13	1.91E-13	2.54E-08
Heat, waste	Water	river	MJ	1.35E-03	1.53E-04	1.55E-03	4.75E-05	7.06E-11	1.15E-05	2.44E-05	3.41E-03	3.50E-03
Hydrocarbons, aliphatic, alka	Water	river	kg	8.41E-10	1.05E-09	1.94E-09	4.84E-11	2.39E-16	1.02E-10	3.79E-11	2.12E-09	2.31E-09
Hydrocarbons, aliphatic, unsa	Water	river	kg	7.78E-11	9.68E-11	1.79E-10	4.46E-12	2.21E-17	9.46E-12	3.50E-12	1.96E-10	2.14E-10
Hydrocarbons, aromatic	Water	river	kg	3.41E-09	4.23E-09	7.83E-09	1.96E-10	9.68E-16	4.15E-10	1.54E-10	8.59E-09	9.36E-09
Hydrocarbons, unspecified	Water	river	kg	2.54E-10	3.91E-11	1.56E-09	1.26E-09	3.65E-17	5.43E-12	3.37E-11	6.40E-10	1.94E-09
Hydrogen-3, Tritium	Water	river	Bq	3.04E-02	4.91E-02	2.28E-01	1.49E-01	1.23E-07	5.68E-03	2.54E-02	7.65E-02	2.56E-01
Hydrogen peroxide	Water	river	kg	3.55E-14	6.13E-14	1.95E-13	9.87E-14	8.28E-19	6.57E-13	4.12E-13	8.94E-14	1.26E-12
Hydrogen sulfide	Water	river	kg	1.52E-12	6.72E-13	3.50E-12	1.30E-12	8.87E-19	1.34E-13	8.23E-13	3.84E-12	6.10E-12
Hydroxide	Water	river	kg	6.18E-13	9.04E-13	4.26E-12	2.74E-12	2.62E-18	1.08E-13	1.04E-12	1.56E-12	5.45E-12
Hypochlorite	Water	river	kg	1.78E-09	1.67E-11	1.84E-09	5.07E-11	3.05E-17	1.94E-12	5.35E-12	4.48E-09	4.54E-09
Iodide	Water	river	kg	6.48E-10	8.08E-10	1.49E-09	3.85E-11	1.85E-16	7.88E-11	2.94E-11	1.63E-09	1.78E-09
Iodine-131	Water	river	Bq	3.49E-08	5.50E-08	2.57E-07	1.67E-07	2.08E-13	6.45E-09	4.19E-08	8.80E-08	3.03E-07
Iodine-133	Water	river	Bq	1.13E-09	1.56E-09	7.47E-09	4.77E-09	2.20E-14	1.99E-10	3.84E-09	2.84E-09	1.17E-08
Iron-59	Water	river	Bq	3.10E-10	4.31E-10	2.06E-09	1.32E-09	6.06E-15	5.47E-11	1.05E-09	7.81E-10	3.20E-09
Iron, ion	Water	river	kg	2.00E-09	1.05E-09	4.82E-09	1.77E-09	5.84E-16	1.29E-10	1.25E-10	5.03E-09	7.06E-09
Lanthanum-140	Water	river	Bq	1.91E-09	2.65E-09	1.27E-08	8.09E-09	3.74E-14	3.37E-10	6.50E-09	4.82E-09	1.97E-08
Lead	Water	river	kg	2.67E-10	1.33E-10	7.06E-10	3.05E-10	3.46E-16	2.72E-11	4.64E-10	6.74E-10	1.47E-09
Lead-210	Water	river	Bq	1.58E-06	2.18E-06	1.04E-05	6.61E-06	4.30E-12	2.64E-07	2.42E-06	3.97E-06	1.33E-05
Magnesium	Water	river	kg	3.44E-08	4.24E-08	8.23E-08	5.50E-09	1.07E-14	4.18E-09	2.15E-08	8.66E-08	1.18E-07
Manganese	Water	river	kg	3.19E-10	3.69E-10	7.99E-10	1.11E-10	1.54E-16	3.71E-11	2.98E-11	8.05E-10	9.83E-10
Manganese-54	Water	river	Bq	9.22E-08	1.41E-07	6.63E-07	4.29E-07	8.51E-13	1.68E-08	1.38E-07	2.33E-07	8.17E-07
Mercury	Water	river	kg	1.36E-12	3.26E-13	1.22E-11	1.05E-11	1.05E-18	7.30E-14	1.56E-12	3.42E-12	1.55E-11
Methane, dichloro-, HCC-30	Water	river	kg	2.80E-10	1.44E-10	4.32E-10	8.83E-12	3.36E-17	2.36E-11	5.55E-12	7.06E-10	7.44E-10
Methanol	Water	river	kg	5.33E-15	8.22E-15	4.48E-14	3.12E-14	2.78E-20	9.65E-16	8.58E-15	1.34E-14	5.42E-14
Molybdenum	Water	river	kg	7.04E-12	1.09E-11	5.29E-11	3.50E-11	2.60E-17	1.26E-12	6.65E-12	1.78E-11	6.06E-11
Molybdenum-99	Water	river	Bq	6.59E-10	9.17E-10	4.37E-09	2.79E-09	1.29E-14	1.16E-10	2.24E-09	1.66E-09	6.81E-09
Nickel, ion	Water	river	kg	1.08E-10	1.81E-11	1.67E-10	4.12E-11	2.50E-16	1.20E-12	2.07E-11	2.72E-10	3.35E-10
Niobium-95	Water	river	Bq	1.21E-08	1.81E-08	8.54E-08	5.52E-08	7.19E-14	2.16E-09	1.18E-08	3.06E-08	9.97E-08
Nitrate	Water	river	kg	9.98E-10	1.03E-09	2.97E-07	2.95E-07	2.25E-15	1.23E-10	1.06E-08	2.52E-09	3.09E-07
Nitrite	Water	river	kg	4.15E-12	3.40E-12	2.46E-10	2.38E-10	9.32E-18	4.83E-13	1.37E-10	1.05E-11	3.86E-10
Nitrogen	Water	river	kg	4.35E-08	9.64E-10	4.64E-08	1.86E-09	8.82E-16	1.02E-10	6.75E-10	1.10E-07	1.12E-07
Nitrogen, organic bound	Water	river	kg	7.46E-10	3.76E-10	1.29E-09	1.71E-10	3.59E-16	9.06E-11	1.67E-10	1.88E-09	2.31E-09
Oils, unspecified	Water	river	kg	5.54E-07	7.00E-07	1.29E-06	3.22E-08	1.48E-13	6.79E-08	1.83E-08	1.40E-06	1.52E-06

				Filage du coton		Filage du coton	Tissage				Tissage	
				Electricité	Lubrifiant	TOTAL	Debouillissage	Teinture	Séchage	Encollage	Electricité	TOTAL
PAH, polycyclic aromatic hyd	Water	river	kg	3.16E-11	4.21E-11	8.14E-11	7.72E-12	1.16E-17	3.87E-12	8.23E-12	7.97E-11	9.95E-11
Paraffins	Water	river	kg	3.93E-16	3.15E-16	1.16E-15	4.48E-16	1.99E-22	8.40E-18	4.16E-16	9.92E-16	1.86E-15
Phenol	Water	river	kg	5.31E-10	6.54E-10	1.30E-09	1.13E-10	1.51E-16	6.44E-11	2.54E-11	1.34E-09	1.54E-09
Phosphate	Water	river	kg	6.44E-11	3.23E-11	1.15E-09	1.05E-09	1.00E-15	4.95E-12	1.50E-08	1.62E-10	1.62E-08
Phosphorus	Water	river	kg	1.38E-10	3.06E-11	2.31E-09	2.14E-09	1.50E-17	4.03E-12	6.11E-09	3.48E-10	8.60E-09
Polonium-210	Water	river	Bq	1.58E-06	2.18E-06	1.04E-05	6.61E-06	4.30E-12	2.64E-07	2.42E-06	3.97E-06	1.33E-05
Potassium-40	Water	river	Bq	1.98E-06	2.73E-06	1.30E-05	8.29E-06	5.38E-12	3.31E-07	3.05E-06	4.99E-06	1.67E-05
Potassium, ion	Water	river	kg	3.20E-08	3.59E-08	7.28E-08	4.87E-09	8.96E-15	3.71E-09	1.73E-08	8.07E-08	1.07E-07
Propene	Water	river	kg	2.42E-11	1.99E-11	5.34E-11	9.40E-12	8.28E-18	1.94E-12	7.74E-12	6.09E-11	8.00E-11
Propylene oxide	Water	river	kg	1.42E-12	1.37E-12	4.19E-12	1.39E-12	2.66E-18	1.65E-13	7.64E-13	3.58E-12	5.90E-12
Protactinium-234	Water	river	Bq	1.87E-06	3.01E-06	1.40E-05	9.12E-06	7.96E-12	3.49E-07	1.82E-06	4.71E-06	1.60E-05
Radioactive species, alpha e	Water	river	Bq	4.30E-08	2.31E-08	7.68E-08	1.07E-08	1.07E-14	3.44E-09	2.31E-07	1.08E-07	3.53E-07
Radioactive species, Nuclide	Water	river	Bq	2.24E-06	3.82E-06	1.75E-05	1.14E-05	8.82E-12	4.27E-07	1.75E-06	5.64E-06	1.93E-05
Radium-224	Water	river	Bq	3.25E-04	4.04E-04	7.47E-04	1.86E-05	9.19E-11	3.93E-05	1.46E-05	8.19E-04	8.91E-04
Radium-226	Water	river	Bq	1.68E-03	2.51E-03	9.90E-03	5.71E-03	5.11E-09	2.80E-04	1.15E-03	4.24E-03	1.14E-02
Radium-228	Water	river	Bq	6.47E-04	8.06E-04	1.49E-03	3.73E-05	1.84E-10	7.88E-05	2.91E-05	1.63E-03	1.78E-03
Rubidium	Water	river	kg	6.47E-11	8.06E-11	1.49E-10	3.73E-12	1.84E-17	7.88E-12	2.91E-12	1.63E-10	1.78E-10
Ruthenium-103	Water	river	Bq	1.39E-10	1.94E-10	9.21E-10	5.89E-10	2.72E-15	2.45E-11	4.73E-10	3.51E-10	1.44E-09
Scandium	Water	river	kg	3.61E-13	5.63E-13	2.81E-12	1.88E-12	9.91E-19	6.38E-14	2.73E-13	9.11E-13	3.13E-12
Selenium	Water	river	kg	1.67E-12	2.26E-12	9.18E-12	5.25E-12	3.92E-18	2.54E-13	1.10E-12	4.22E-12	1.08E-11
Silicon	Water	river	kg	1.22E-09	8.72E-10	3.83E-09	1.74E-09	2.84E-15	1.05E-10	9.76E-10	3.07E-09	5.88E-09
Silver-110	Water	river	Bq	1.14E-06	1.74E-06	8.19E-06	5.30E-06	1.17E-11	2.08E-07	1.94E-06	2.87E-06	1.03E-05
Silver, ion	Water	river	kg	5.80E-12	7.32E-12	1.36E-11	4.80E-13	1.76E-18	7.07E-13	3.92E-13	1.46E-11	1.62E-11
Sodium-24	Water	river	Bq	4.99E-09	6.94E-09	3.31E-08	2.12E-08	9.77E-14	8.80E-10	1.70E-08	1.26E-08	5.16E-08
Sodium formate	Water	river	kg	3.27E-15	4.19E-15	4.16E-14	3.42E-14	9.68E-21	2.69E-16	1.19E-14	8.25E-15	5.46E-14
Sodium, ion	Water	river	kg	2.00E-06	2.46E-06	7.13E-06	2.68E-06	5.70E-13	2.41E-07	1.01E-06	5.04E-06	8.97E-06
Solids, inorganic	Water	river	kg	3.33E-09	1.85E-09	1.24E-07	1.19E-07	7.51E-15	2.76E-10	1.06E-09	8.39E-09	1.29E-07
Solved solids	Water	river	kg	4.89E-09	2.05E-08	9.12E-08	6.57E-08	1.67E-14	7.16E-10	3.99E-08	1.23E-08	1.19E-07
Strontium	Water	river	kg	3.91E-08	4.85E-08	8.98E-08	2.24E-09	1.10E-14	4.74E-09	1.75E-09	9.85E-08	1.07E-07
Strontium-89	Water	river	Bq	1.89E-08	2.73E-08	1.29E-07	8.31E-08	2.38E-13	3.35E-09	4.09E-08	4.77E-08	1.75E-07
Strontium-90	Water	river	Bq	1.25E-03	1.92E-03	9.01E-03	5.84E-03	3.90E-09	2.26E-04	2.74E-03	3.15E-03	1.20E-02
Sulfate	Water	river	kg	1.09E-06	4.92E-08	1.73E-06	5.91E-07	9.23E-13	5.68E-09	1.50E-07	2.76E-06	3.51E-06
Sulfide	Water	river	kg	2.90E-10	7.69E-12	9.38E-10	6.40E-10	6.20E-18	8.56E-13	1.43E-12	7.31E-10	1.37E-09
Sulfite	Water	river	kg	9.49E-09	9.23E-11	9.86E-09	2.80E-10	1.67E-16	1.07E-11	2.83E-11	2.39E-08	2.42E-08
Sulfur	Water	river	kg	2.04E-09	2.17E-09	4.31E-09	1.00E-10	4.62E-16	2.30E-10	2.02E-08	5.15E-09	2.57E-08
Suspended solids, unspecifie	Water	river	kg	1.95E-08	1.03E-08	4.29E-08	1.31E-08	4.52E-15	1.23E-09	2.25E-09	4.93E-08	6.59E-08
t-Butyl methyl ether	Water	river	kg	4.00E-16	3.79E-16	1.42E-15	6.44E-16	3.88E-22	5.50E-17	5.62E-14	1.01E-15	5.79E-14
Technetium-99m	Water	river	Bq	1.53E-08	2.13E-08	1.01E-07	6.48E-08	2.97E-13	2.70E-09	5.18E-08	3.86E-08	1.58E-07
Tellurium-123m	Water	river	Bq	1.98E-08	3.21E-08	1.49E-07	9.72E-08	8.19E-14	3.70E-09	1.11E-08	4.99E-08	1.62E-07
Tellurium-132	Water	river	Bq	3.81E-11	5.31E-11	2.53E-10	1.61E-10	7.47E-16	6.73E-12	1.30E-10	9.61E-11	3.94E-10
Thallium	Water	river	kg	1.95E-11	1.81E-13	2.02E-11	5.49E-13	3.26E-19	2.08E-14	4.76E-14	4.92E-11	4.98E-11
Thorium-228	Water	river	Bq	1.29E-03	1.62E-03	2.98E-03	7.44E-05	3.68E-10	1.58E-04	5.84E-05	3.26E-03	3.56E-03
Thorium-230	Water	river	Bq	2.55E-04	4.10E-04	1.90E-03	1.24E-03	1.09E-09	4.76E-05	2.47E-04	6.42E-04	2.18E-03
Thorium-232	Water	river	Bq	3.69E-07	5.10E-07	2.43E-06	1.55E-06	1.01E-12	6.18E-08	5.67E-07	9.30E-07	3.11E-06
Thorium-234	Water	river	Bq	1.87E-06	3.01E-06	1.40E-05	9.12E-06	7.96E-12	3.49E-07	1.82E-06	4.71E-06	1.60E-05
Tin, ion	Water	river	kg	7.54E-13	1.74E-13	1.94E-12	1.01E-12	3.41E-19	2.04E-14	1.97E-13	1.90E-12	3.13E-12
Titanium, ion	Water	river	kg	2.71E-12	1.90E-12	9.91E-12	5.31E-12	3.24E-18	2.77E-13	1.82E-12	6.82E-12	1.42E-11
TOC, Total Organic Carbon	Water	river	kg	5.27E-07	6.58E-07	1.26E-06	7.80E-08	1.43E-13	6.39E-08	1.27E-07	1.33E-06	1.60E-06
Toluene	Water	river	kg	7.38E-10	9.19E-10	1.70E-09	4.27E-11	2.10E-16	8.98E-11	3.38E-11	1.86E-09	2.03E-09
Tungsten	Water	river	kg	4.13E-13	6.54E-13	3.18E-12	2.11E-12	1.16E-18	7.46E-14	2.74E-13	1.04E-12	3.50E-12
Uranium-234	Water	river	Bq	2.24E-06	3.60E-06	1.68E-05	1.09E-05	9.59E-12	4.18E-07	2.19E-06	5.65E-06	1.92E-05
Uranium-235	Water	river	Bq	3.70E-06	5.95E-06	2.77E-05	1.81E-05	1.58E-11	6.90E-07	3.60E-06	9.34E-06	3.17E-05
Uranium-238	Water	river	Bq	6.41E-06	1.01E-05	4.73E-05	3.07E-05	2.62E-11	1.18E-06	6.66E-06	1.62E-05	5.47E-05
Uranium alpha	Water	river	Bq	1.08E-04	1.73E-04	8.06E-04	5.25E-04	4.62E-10	2.01E-05	1.05E-04	2.71E-04	9.21E-04
Vanadium, ion	Water	river	kg	2.01E-10	7.19E-12	2.25E-10	1.70E-11	1.35E-17	8.75E-13	3.06E-12	5.06E-10	5.27E-10
VOC, volatile organic compo	Water	river	kg	2.27E-09	2.83E-09	5.26E-09	1.53E-10	6.65E-16	2.77E-10	1.07E-10	5.72E-09	6.26E-09
Xylene	Water	river	kg	6.12E-10	7.63E-10	1.41E-09	3.52E-11	1.74E-16	7.46E-11	2.76E-11	1.54E-09	1.68E-09
Zinc-65	Water	river	Bq	6.76E-08	9.41E-08	4.48E-07	2.87E-07	1.32E-12	1.20E-08	2.31E-07	1.71E-07	7.00E-07
Zinc, ion	Water	river	kg	5.34E-10	5.96E-10	1.21E-09	7.53E-11	4.49E-16	5.95E-11	3.90E-11	1.35E-09	1.52E-09
Zirconium-95	Water	river	Bq	7.84E-10	1.09E-09	5.19E-09	3.32E-09	1.53E-14	1.39E-10	2.66E-09	1.98E-09	8.09E-09
Boron	Soil		kg	2.73E-12	3.19E-12	1.38E-11	7.85E-12	3.95E-17	1.15E-12	2.88E-12	6.87E-12	1.88E-11
Cadmium	Soil		kg	2.87E-14	1.78E-14	1.06E-13	5.95E-14	1.55E-20	3.10E-15	3.55E-14	7.24E-14	1.71E-13
Chloride	Soil		kg	3.99E-09	2.47E-09	1.47E-08	8.22E-09	2.72E-15	4.33E-10	8.67E-09	1.01E-08	2.74E-08
Chromium	Soil		kg	2.58E-13	1.60E-13	9.54E-13	5.36E-13	1.40E-19	2.79E-14	3.20E-13	6.51E-13	1.53E-12
Chromium VI	Soil		kg	1.54E-11	1.79E-11	7.76E-11	4.43E-11	2.24E-16	6.49E-12	1.62E-11	3.88E-11	1.06E-10
Copper	Soil		kg	1.00E-11	1.15E-11	5.01E-11	2.86E-11	1.39E-16	4.10E-12	1.07E-11	2.53E-11	6.87E-11
Fluoride	Soil		kg	1.04E-11	1.22E-11	5.26E-11	3.00E-11	1.51E-16	4.39E-12	1.10E-11	2.63E-11	7.16E-11
Heat, waste	Soil		MJ	1.88E-06	2.19E-06	8.39E-06	4.32E-06	4.66E-11	1.22E-06	2.41E-06	4.73E-06	1.27E-05
Iron	Soil		kg	1.57E-09	1.06E-09	5.67E-09	3.04E-09	4.09E-15	1.54E-10	8.48E-10	3.96E-09	8.01E-09
Lead	Soil		kg	1.43E-13	8.90E-14	5.30E-13	2.98E-13	7.78E-20	1.55E-14	1.77E-13	3.62E-13	8.52E-13
Nickel	Soil		kg	2.29E-13	1.42E-13	8.47E-13	4.76E-13	1.24E-19	2.48E-14	2.83E-13	5.78E-13	1.36E-12
Oils, biogenic	Soil		kg	2.99E-11	1.90E-11	1.06E-10	5.73E-11	7.83E-17	2.93E-12	1.54E-11	7.53E-11	1.51E-10
Oils, unspecified	Soil		kg	3.16E-09	3.96E-09	7.30E-09	1.78E-10	7.06E-16	3.86E-10	1.12E-10	7.96E-09	8.64E-09
Sodium	Soil		kg	5.27E-12	3.24E-12	1.91E-11	1.06E-11	7.10E-18	5.76E-13	2.04E-11	1.33E-11	4.49E-11
Zinc	Soil		kg	2.31E-11	1.44E-11	8.54E-11	4.79E-11	1.25E-17	2.50E-12	2.84E-11	5.84E-11	1.37E-10
Aclonifen	Soil	agricultu	kg	6.28E-15	6.00E-15	2.07E-14	8.46E-15	5.70E-21	1.23E-15	4.00E-14	1.58E-14	6.56E-14
Aluminum	Soil	agricultu	kg	1.54E-11	1.79E-11	4.53E-10	4.20E-10	3.63E-17	2.17E-12	1.02E-11	3.87E-11	4.71E-10
Antimony	Soil	agricultu	kg	2.25E-17	1.33E-17	8.59E-17	5.00E-17	1.13E-23	4.95E-18	8.87E-17	5.67E-17	2.00E-16
Arsenic	Soil	agricultu	kg	3.91E-15	4.47E-15	7.11E-14	6.27E-14	9.50E-21	5.73E-16	2.96E-15	9.85E-15	7.61E-14
Atrazine	Soil	agricultu	kg	2.46E-16	1.47E-16	8.33E-16	4.39E-16	2.81E-22	1.39E-17	2.66E-16	6.21E-16	1.34E-15
Barium	Soil	agricultu	kg	8.35E-14	1.49E-13	2.38E-13	5.98E-15	8.73E-21	1.02E-14	6.38E-15	2.11E-13	2.33E-13
Bentazone	Soil	agricultu	kg	3.20E-15	3.05E-15	1.06E-14	4.31E-15	2.90E-21	6.23E-16	2.04E-14	8.07E-15	3.34E-14
Boron	Soil	agricultu	kg	2.33E-14	4.14E-14	6.62E-14	1.49E-15	2.40E-21	2.83E-15	1.46E-15	5.88E-14	6.46E-14
Cadmium	Soil	agricultu	kg	1.01E-14	6.41E-14	2.29E-13	1.55E-13	5.75E-20	1.41E-15	1.85E-11	2.54E-14	1.87E-11
Calcium	Soil	agricultu	kg	1.68E-10	2.03E-10	2.18E-09	1.80E-09	3.80E-16	2.46E-11	1.21E-10	4.25E-10	2.37E-09
Carbetamide	Soil	agricultu	kg	1.19E-15	1.13E-15	3.98E-15	1.66E-15	1.11E-21	2.26E-16	6.50E-11	3.01E-15	6.50E-11
Carbon	Soil	agricultu	kg	7.50E-11	9.87E-11	4.72E-09	4.55E-09	1.82E-16	9.73E-12	9.17E-08	1.89E-10	9.65E-08
Chloride	Soil	agricultu	kg	1.66E-12	1.96E-12	9.38E-12	5.77E-12	3.84E-18	2.48E-13	1.29E-12	4.18E-12	1.15E-11
Chlorothalonil	Soil	agricultu	kg	6.32E-14	5.33E-14	2.53E-13	1.37E-13	9.28E-20	6.52E-15	6.50E-08	1.59E-13	6.50E-08
Chromium	Soil	agricultu	kg	2.27E-13	3.91E-12	1.26E-11	8.44E-12	3.01E-18	2.73E-14	3.90E-10	5.71E-13	3.99E-10
Cobalt	Soil	agricultu	kg	1.11E-14	1.25E-14	2.63E-13	2.40E-13	2.76E-20	1.61E-15	8.18E-15	2.79E-14	2.77E-13
Copper	Soil	agricultu	kg	3.77E-13	8.09E-12	2.96E-11	2.11E-11	6.15E-18	4.06E-14	1.38E-09	9.50E-13	1.40E-09
Cypermethrin	Soil	agricultu	kg	2.77E-17	2.60E-17	9.36E-17	3.99E-17	2.68E-23	5.09E-18	3.30E-12	6.97E-17	3.30E-12
Dinoseb	Soil	agricultu	kg	1.72E-14	1.45E-14	6.89E-14	3.72E-14	2.52E-20	1.77E-15	1.77E-08	4.34E-14	1.77E-08
Fenpiclonil	Soil	agricultu	kg	2.70E-15	2.31E-15	1.07E-14	5.67E-15	3.84E-21	2.98E-16	2.56E-09	6.81E-15	2.56E-09

			Filage du coton		Filage du coton	Tissage				Tissage	
			Electricité	Lubrifiant	TOTAL	Debouillissage	Teinture	Séchage	Encollage	Electricité	TOTAL
Glyphosate	Soil	agricultu kg	9.50E-14	5.90E-14	3.50E-13	1.96E-13	6.47E-20	1.03E-14	2.07E-13	2.40E-13	6.53E-13
Iron	Soil	agricultu kg	5.04E-11	5.63E-11	3.60E-09	3.49E-09	1.30E-16	6.44E-12	2.52E-11	1.27E-10	3.65E-09
Lead	Soil	agricultu kg	8.24E-14	1.03E-12	4.92E-12	3.80E-12	8.42E-19	1.01E-14	1.72E-10	2.08E-13	1.76E-10
Linuron	Soil	agricultu kg	4.87E-14	4.64E-14	1.61E-13	6.55E-14	4.40E-20	9.48E-15	3.10E-13	1.23E-13	5.07E-13
Magnesium	Soil	agricultu kg	1.85E-11	2.18E-11	2.44E-10	2.03E-10	4.28E-17	2.72E-12	1.36E-11	4.66E-11	2.66E-10
Mancozeb	Soil	agricultu kg	8.25E-14	6.94E-14	3.30E-13	1.78E-13	1.21E-19	8.48E-15	8.45E-08	2.08E-13	8.45E-08
Manganese	Soil	agricultu kg	1.06E-11	1.26E-11	6.60E-11	4.28E-11	2.42E-17	1.58E-12	8.09E-12	2.67E-11	7.92E-11
Mercury	Soil	agricultu kg	4.12E-16	3.79E-16	3.70E-14	3.62E-14	1.24E-21	5.44E-17	1.46E-11	1.04E-15	1.47E-11
Metaldehyde	Soil	agricultu kg	2.40E-16	2.26E-16	8.11E-16	3.46E-16	2.33E-22	4.41E-17	2.86E-11	6.04E-16	2.86E-11
Metolachlor	Soil	agricultu kg	3.52E-13	3.36E-13	1.16E-12	4.74E-13	3.18E-19	6.85E-14	2.24E-12	8.88E-13	3.67E-12
Metribuzin	Soil	agricultu kg	2.89E-15	2.44E-15	1.16E-14	6.26E-15	4.24E-21	2.98E-16	2.98E-09	7.30E-15	2.98E-09
Molybdenum	Soil	agricultu kg	2.95E-15	3.17E-15	1.35E-13	1.29E-13	8.01E-21	4.11E-16	2.04E-15	7.43E-15	1.39E-13
Napropamide	Soil	agricultu kg	4.24E-16	3.99E-16	1.43E-15	6.12E-16	4.12E-22	7.80E-17	5.06E-11	1.07E-15	5.07E-11
Nickel	Soil	agricultu kg	1.04E-13	2.62E-12	7.95E-12	5.23E-12	1.95E-18	1.10E-14	3.10E-10	2.63E-13	3.15E-10
Orbencarb	Soil	agricultu kg	1.56E-14	1.32E-14	6.26E-14	3.38E-14	2.29E-20	1.61E-15	1.60E-08	3.94E-14	1.60E-08
Phosphorus	Soil	agricultu kg	5.06E-12	6.00E-12	2.87E-11	1.77E-11	1.18E-17	7.59E-13	3.95E-12	1.28E-11	3.52E-11
Pirimicarb	Soil	agricultu kg	3.04E-16	2.90E-16	1.00E-15	4.08E-16	2.74E-22	5.91E-17	1.94E-15	7.65E-16	3.17E-15
Potassium	Soil	agricultu kg	2.83E-11	3.33E-11	1.60E-10	9.83E-11	6.52E-17	4.22E-12	2.20E-11	7.12E-11	1.96E-10
Silicon	Soil	agricultu kg	4.91E-11	5.62E-11	1.02E-09	9.13E-10	1.21E-16	7.18E-12	3.67E-11	1.24E-10	1.08E-09
Silver	Soil	agricultu kg	2.02E-15	8.05E-14	2.22E-13	1.40E-13	5.84E-20	1.71E-16	1.12E-13	5.10E-15	2.57E-13
Strontium	Soil	agricultu kg	3.05E-13	5.42E-13	8.65E-13	1.83E-14	3.12E-20	3.71E-14	1.72E-14	7.68E-13	8.41E-13
Sulfur	Soil	agricultu kg	8.13E-12	8.58E-12	4.34E-10	4.18E-10	2.28E-17	1.12E-12	5.50E-12	2.05E-11	4.45E-10
Tebutam	Soil	agricultu kg	1.01E-15	9.46E-16	3.40E-15	1.45E-15	9.77E-22	1.85E-16	1.20E-10	2.54E-15	1.20E-10
Teflubenzuron	Soil	agricultu kg	1.93E-16	1.63E-16	7.73E-16	4.17E-16	2.82E-22	1.99E-17	1.99E-10	4.87E-16	1.99E-10
Tin	Soil	agricultu kg	4.39E-15	3.81E-15	5.22E-13	5.14E-13	1.51E-20	5.34E-16	2.47E-15	1.11E-14	5.28E-13
Titanium	Soil	agricultu kg	7.16E-13	8.45E-13	4.05E-12	2.49E-12	1.66E-18	1.07E-13	5.57E-13	1.81E-12	4.96E-12
Vanadium	Soil	agricultu kg	2.04E-14	2.42E-14	1.16E-13	7.12E-14	4.75E-20	3.06E-15	1.59E-14	5.15E-14	1.42E-13
Zinc	Soil	agricultu kg	4.34E-12	9.51E-12	5.45E-11	4.07E-11	1.58E-17	7.13E-13	1.29E-08	1.09E-11	1.29E-08
Oils, biogenic	Soil	forestry kg	5.36E-12	1.36E-11	4.66E-11	2.77E-11	1.61E-17	8.13E-13	5.03E-11	1.35E-11	9.23E-11
Oils, unspecified	Soil	forestry kg	6.91E-07	8.72E-07	1.60E-06	3.82E-08	1.84E-13	8.46E-08	2.27E-08	1.74E-06	1.89E-06
Aluminum	Soil	industria kg	1.10E-08	5.69E-09	1.71E-08	3.48E-10	1.33E-15	9.34E-10	2.19E-10	2.79E-08	2.94E-08
Arsenic	Soil	industria kg	4.41E-12	2.28E-12	6.84E-12	1.39E-13	5.29E-19	3.73E-13	8.78E-14	1.11E-11	1.17E-11
Barium	Soil	industria kg	5.52E-09	2.85E-09	8.54E-09	1.74E-10	6.61E-16	4.66E-10	1.10E-10	1.39E-08	1.47E-08
Boron	Soil	industria kg	1.10E-10	5.69E-11	1.71E-10	3.48E-12	1.33E-17	9.34E-12	2.19E-12	2.79E-10	2.94E-10
Calcium	Soil	industria kg	4.41E-08	2.28E-08	6.84E-08	1.39E-09	5.29E-15	3.73E-09	8.78E-10	1.11E-07	1.17E-07
Carbon	Soil	industria kg	3.31E-08	1.71E-08	5.12E-08	1.04E-09	3.98E-15	2.80E-09	6.58E-10	8.34E-08	8.79E-08
Chloride	Soil	industria kg	3.86E-08	1.99E-08	5.97E-08	1.22E-09	4.66E-15	3.27E-09	7.69E-10	9.73E-08	1.03E-07
Chromium	Soil	industria kg	5.52E-11	2.85E-11	8.54E-11	1.74E-12	6.61E-18	4.66E-12	1.10E-12	1.39E-10	1.47E-10
Copper	Soil	industria kg	1.89E-13	1.53E-13	1.05E-10	1.05E-10	3.65E-20	1.65E-14	3.06E-14	4.78E-13	1.05E-10
Fluoride	Soil	industria kg	5.52E-10	2.85E-10	8.54E-10	1.74E-11	6.61E-17	4.66E-11	1.10E-11	1.39E-09	1.47E-09
Glyphosate	Soil	industria kg	8.23E-10	5.24E-10	2.93E-09	1.58E-09	2.16E-15	8.07E-11	4.24E-10	2.07E-09	4.16E-09
Heat, waste	Soil	industria MJ	1.04E-07	6.97E-08	2.00E-07	2.70E-08	2.06E-14	9.63E-09	6.41E-09	2.61E-07	3.04E-07
Iron	Soil	industria kg	2.21E-08	1.14E-08	3.42E-08	6.97E-10	2.65E-15	1.87E-09	4.39E-10	5.57E-08	5.88E-08
Magnesium	Soil	industria kg	8.84E-09	4.55E-09	1.37E-08	2.78E-10	1.06E-15	7.47E-10	1.75E-10	2.23E-08	2.35E-08
Manganese	Soil	industria kg	4.41E-10	2.28E-10	6.84E-10	1.39E-11	5.29E-17	3.73E-11	8.78E-12	1.11E-09	1.17E-09
Oils, unspecified	Soil	industria kg	5.05E-11	2.71E-11	8.99E-11	1.23E-11	1.18E-17	4.04E-12	2.71E-10	1.27E-10	4.15E-10
Phosphorus	Soil	industria kg	5.52E-10	2.85E-10	8.54E-10	1.74E-11	6.61E-17	4.66E-11	1.10E-11	1.39E-09	1.47E-09
Potassium	Soil	industria kg	3.86E-09	1.99E-09	5.97E-09	1.22E-10	4.66E-16	3.27E-10	7.69E-11	9.73E-09	1.03E-08
Silicon	Soil	industria kg	1.10E-09	5.69E-10	1.71E-09	3.48E-11	1.33E-16	9.34E-11	2.19E-11	2.79E-09	2.94E-09
Sodium	Soil	industria kg	2.21E-08	1.14E-08	3.42E-08	6.97E-10	2.65E-15	1.87E-09	4.39E-10	5.57E-08	5.88E-08
Strontium	Soil	industria kg	1.10E-10	5.69E-11	1.71E-10	3.48E-12	1.33E-17	9.34E-12	2.19E-12	2.79E-10	2.94E-10
Sulfur	Soil	industria kg	6.63E-09	3.41E-09	1.03E-08	2.09E-10	7.96E-16	5.61E-10	1.32E-10	1.67E-08	1.76E-08
Zinc	Soil	industria kg	1.66E-10	8.54E-11	2.56E-10	5.24E-12	1.99E-17	1.40E-11	3.30E-12	4.18E-10	4.40E-10
Primary energy, non renewable		MJ									
Tetrachloroethylene	Air	kg									

				Ennoblissement				Ennobliss ement	Confection				Confection
				Séchage	Consommation énergie	Rejets dans l'eau	TOTAL		Doublure	Bifil	Rivets	Boutons	TOTAL
Inventory	Compartr	Sub-com	Unit										
Energy, gross calorific value,	Raw	biotic	MJ	9.58E-07	7.58E-06		8.54E-06		1.50E-05	4.84E-06	6.48E-06	2.24E-05	4.87E-05
Peat, in ground	Raw	biotic	kg	1.20E-10	2.31E-09		2.43E-09		8.71E-10	3.03E-10	1.89E-10	6.84E-10	2.05E-09
Wood, hard, standing	Raw	biotic	m3	3.74E-11	2.28E-10		2.66E-10		3.91E-10	1.20E-10	1.67E-10	5.28E-10	1.21E-09
Wood, soft, standing	Raw	biotic	m3	5.18E-11	4.96E-10		5.48E-10		1.06E-09	3.51E-10	4.66E-10	1.67E-09	3.54E-09
Wood, unspecified, standing/	Raw	biotic	m3	2.72E-15	2.12E-14		2.39E-14		1.39E-13	5.28E-14	8.35E-15	3.15E-14	2.32E-13
Carbon dioxide, in air	Raw	in air	kg	8.64E-08	6.78E-07		7.64E-07		1.32E-06	4.27E-07	5.81E-07	2.00E-06	4.34E-06
Energy, kinetic, flow, in wind	Raw	in air	MJ	1.11E-06	8.33E-06		9.44E-06		1.41E-05	4.91E-06	5.06E-06	1.57E-05	3.98E-05
Energy, solar	Raw	in air	MJ	1.48E-08	1.12E-07		1.27E-07		1.95E-07	6.54E-08	6.70E-08	2.09E-07	5.36E-07
Aluminium, 24% in bauxite, 1	Raw	in ground	kg	4.42E-09	8.34E-08		8.78E-08		1.09E-07	2.51E-08	2.21E-07	6.67E-07	1.02E-06
Anhydrite, in ground	Raw	in ground	kg	1.90E-13	2.64E-12		2.83E-12		1.01E-09	4.31E-10	7.61E-13	3.16E-12	1.45E-09
Barite, 15% in crude ore, in g	Raw	in ground	kg	1.82E-07	2.08E-06		2.26E-06		2.80E-07	2.93E-08	1.83E-08	6.40E-08	3.91E-07
Basalt, in ground	Raw	in ground	kg	6.89E-10	4.75E-08		4.82E-08		4.81E-08	1.55E-08	9.63E-09	3.64E-08	1.10E-07
Borax, in ground	Raw	in ground	kg	8.36E-14	2.02E-11		2.02E-11		3.57E-11	1.17E-11	3.02E-12	9.69E-12	6.01E-11
Calcite, in ground	Raw	in ground	kg	4.24E-07	1.09E-05		1.13E-05		3.82E-06	8.11E-07	2.91E-06	1.20E-05	1.96E-05
Chromium, 25.5 in chromite,	Raw	in ground	kg	2.15E-09	2.95E-08		3.17E-08		1.32E-07	4.47E-08	2.15E-06	5.66E-06	7.98E-06
Chrysotile, in ground	Raw	in ground	kg	3.55E-13	4.33E-12		4.69E-12		6.40E-11	1.41E-12	1.41E-12	5.87E-12	7.27E-11
Cinnabar, in ground	Raw	in ground	kg	3.27E-14	4.00E-13		4.32E-13		5.90E-12	1.30E-13	1.30E-13	5.41E-13	6.70E-12
Clay, bentonite, in ground	Raw	in ground	kg	1.82E-08	2.26E-07		2.44E-07		6.39E-08	1.31E-08	4.89E-08	1.33E-07	2.59E-07
Clay, unspecified, in ground	Raw	in ground	kg	1.10E-07	1.13E-06		1.24E-06		1.60E-06	4.31E-07	3.16E-07	1.79E-06	4.14E-06
Coal, brown, in ground	Raw	in ground	kg	1.48E-06	1.07E-05		1.22E-05		1.94E-05	6.74E-06	6.93E-06	2.15E-05	5.46E-05
Coal, hard, unspecified, in gr	Raw	in ground	kg	1.05E-06	9.20E-06		1.02E-05		2.20E-05	5.68E-06	9.82E-06	2.97E-05	6.71E-05
Cobalt, in ground	Raw	in ground	kg	1.59E-14	1.80E-13		1.96E-13		7.64E-13	2.89E-14	2.22E-14	7.55E-14	8.91E-13
Colemanite, in ground	Raw	in ground	kg	2.17E-11	1.03E-10		1.25E-10		6.93E-11	2.13E-11	1.77E-11	9.56E-11	2.04E-10
Copper, 0.99% in sulfide, Cu	Raw	in ground	kg	1.79E-10	3.28E-09		3.46E-09		3.25E-09	1.01E-09	2.72E-07	1.17E-06	1.45E-06
Copper, 1.18% in sulfide, Cu	Raw	in ground	kg	9.89E-10	1.82E-08		1.92E-08		1.81E-08	5.61E-09	1.51E-06	6.52E-06	8.05E-06
Copper, 1.42% in sulfide, Cu	Raw	in ground	kg	2.62E-10	4.83E-09		5.09E-09		4.79E-09	1.48E-09	4.00E-07	1.72E-06	2.13E-06
Copper, 2.19% in sulfide, Cu	Raw	in ground	kg	1.30E-09	2.40E-08		2.53E-08		2.37E-08	7.35E-09	1.99E-06	8.56E-06	1.06E-05
Diatomite, in ground	Raw	in ground	kg	3.23E-16	2.59E-15		2.91E-15		4.00E-14	5.81E-15	1.39E-15	4.87E-15	5.21E-14
Dolomite, in ground	Raw	in ground	kg	1.40E-09	2.07E-08		2.21E-08		6.41E-09	1.31E-09	1.32E-08	3.52E-08	5.61E-08
Feldspar, in ground	Raw	in ground	kg	6.21E-14	4.97E-15		6.71E-14		2.26E-11	9.65E-12	2.05E-15	8.99E-15	3.22E-11
Fluorine, 4.5% in apatite, 1%	Raw	in ground	kg	1.01E-10	1.17E-09		1.27E-09		5.25E-10	1.16E-10	7.26E-10	3.27E-09	4.64E-09
Fluorine, 4.5% in apatite, 3%	Raw	in ground	kg	4.42E-11	5.12E-10		5.57E-10		2.06E-07	5.11E-11	3.18E-10	1.43E-09	2.08E-07
Fluorspar, 92%, in ground	Raw	in ground	kg	2.62E-09	3.02E-08		3.28E-08		1.66E-08	3.32E-09	1.87E-08	8.38E-08	1.22E-07
Gas, mine, off-gas, process,	Raw	in ground	m3	1.04E-08	8.94E-08		9.98E-08		2.07E-07	5.17E-08	9.54E-08	2.89E-07	6.44E-07
Gas, natural, in ground	Raw	in ground	m3	8.47E-05	1.38E-03		1.47E-03		1.22E-04	3.41E-05	4.70E-06	1.49E-05	1.76E-04
Granite, in ground	Raw	in ground	kg	4.47E-12	1.16E-10		1.21E-10		9.25E-11	1.77E-11	6.85E-12	2.24E-11	1.39E-10
Gravel, in ground	Raw	in ground	kg	4.25E-06	6.58E-05		7.00E-05		6.55E-05	6.08E-06	1.22E-05	6.54E-05	1.49E-04
Gypsum, in ground	Raw	in ground	kg	4.57E-12	6.89E-11		7.35E-11		4.75E-10	1.59E-10	1.06E-10	2.82E-10	1.02E-09
Iron, 46% in ore, 25% in crud	Raw	in ground	kg	6.38E-07	8.91E-06		9.55E-06		2.83E-06	4.74E-07	3.79E-06	1.08E-05	1.79E-05
Kaolinite, 24% in crude ore, i	Raw	in ground	kg	1.91E-11	2.56E-10		2.75E-10		8.01E-10	1.45E-10	2.47E-09	1.12E-08	1.46E-08
Kieserite, 25% in crude ore, i	Raw	in ground	kg	1.25E-13	1.18E-12		1.30E-12		9.29E-12	1.17E-12	6.28E-12	2.79E-11	4.46E-11
Lead, 5%, in sulfide, Pb 2.97	Raw	in ground	kg	3.44E-09	3.50E-08		3.84E-08		2.48E-07	9.28E-09	5.19E-09	2.02E-08	2.83E-07
Magnesite, 60% in crude ore,	Raw	in ground	kg	9.25E-09	1.20E-07		1.29E-07		3.80E-08	6.74E-09	6.81E-08	1.83E-07	2.96E-07
Manganese, 35.7% in sedime	Raw	in ground	kg	5.01E-10	1.06E-08		1.11E-08		1.02E-08	3.19E-09	1.32E-09	5.05E-09	1.98E-08
Molybdenum, 0.010% in sulfi	Raw	in ground	kg	9.01E-12	1.66E-10		1.75E-10		1.65E-10	5.11E-11	1.37E-08	5.93E-08	7.32E-08
Molybdenum, 0.014% in sulfi	Raw	in ground	kg	1.28E-12	2.36E-11		2.49E-11		2.34E-11	7.24E-12	1.96E-09	8.43E-09	1.04E-08
Molybdenum, 0.022% in sulfi	Raw	in ground	kg	1.76E-10	3.73E-09		3.90E-09		3.58E-09	1.12E-09	4.63E-10	1.77E-09	6.93E-09
Molybdenum, 0.025% in sulfi	Raw	in ground	kg	4.71E-12	8.66E-11		9.13E-11		8.59E-11	2.66E-11	7.20E-09	3.10E-08	3.83E-08
Molybdenum, 0.11% in sulfid	Raw	in ground	kg	3.54E-10	7.51E-09		7.87E-09		7.22E-09	2.25E-09	9.35E-10	3.58E-09	1.40E-08
Nickel, 1.13% in sulfide, Ni 0.	Raw	in ground	kg	3.55E-12	1.47E-10		1.50E-10		2.71E-09	2.93E-11	4.52E-11	1.95E-10	2.98E-09
Nickel, 1.98% in silicates, 1.0	Raw	in ground	kg	8.86E-09	1.34E-07		1.43E-07		2.31E-07	7.45E-08	3.36E-06	8.86E-06	1.25E-05
Oil, crude, in ground	Raw	in ground	kg	1.85E-05	1.25E-04		1.43E-04		8.30E-05	2.01E-05	2.87E-06	1.04E-05	1.16E-04
Olivine, in ground	Raw	in ground	kg	6.97E-14	9.88E-13		1.06E-12		3.06E-10	1.30E-10	2.69E-13	1.11E-12	4.37E-10
Pd, Pd 2.0E-4%, Pt 4.8E-4%,	Raw	in ground	kg	2.18E-14	1.48E-13		1.69E-13		5.69E-14	5.07E-15	3.20E-15	1.16E-14	7.67E-14
Pd, Pd 7.3E-4%, Pt 2.5E-4%,	Raw	in ground	kg	5.24E-14	3.56E-13		4.08E-13		1.37E-13	1.22E-14	7.68E-15	2.78E-14	1.85E-13
Phosphorus, 18% in apatite,	Raw	in ground	kg	2.49E-10	2.04E-09		2.29E-09		8.21E-07	2.13E-10	1.28E-09	5.78E-09	8.28E-07
Phosphorus, 18% in apatite,	Raw	in ground	kg	4.03E-10	4.67E-09		5.07E-09		2.10E-09	4.64E-10	2.90E-09	1.31E-08	1.85E-08
Pt, Pt 2.5E-4%, Pd 7.3E-4%,	Raw	in ground	kg	5.10E-16	4.53E-15		5.04E-15		1.50E-15	1.59E-16	1.14E-16	3.96E-16	2.17E-15
Pt, Pt 4.8E-4%, Pd 2.0E-4%,	Raw	in ground	kg	1.83E-15	1.63E-14		1.81E-14		5.38E-15	5.68E-16	4.08E-16	1.42E-15	7.77E-15
Rh, Rh 2.0E-5%, Pt 2.5E-4%	Raw	in ground	kg	4.98E-16	3.37E-15		3.87E-15		1.30E-15	1.16E-16	7.30E-17	2.64E-16	1.75E-15
Rh, Rh 2.4E-5%, Pt 4.8E-4%	Raw	in ground	kg	1.55E-15	1.06E-14		1.21E-14		4.07E-15	3.64E-16	2.29E-16	8.29E-16	5.49E-15
Rhenium, in crude ore, in gro	Raw	in ground	kg	5.46E-16	3.80E-15		4.35E-15		1.62E-15	1.37E-16	9.32E-17	3.34E-16	2.18E-15
Rutile, in ground	Raw	in ground	kg	4.02E-16	4.54E-15		4.94E-15		2.26E-11	9.65E-12	1.74E-15	7.58E-15	3.22E-11
Sand, unspecified, in ground	Raw	in ground	kg	9.77E-12	1.15E-10		1.25E-10		5.62E-09	1.88E-09	8.89E-11	3.68E-10	7.96E-09
Shale, in ground	Raw	in ground	kg	5.40E-13	7.49E-12		8.03E-12		2.93E-09	1.25E-09	2.16E-12	8.95E-12	4.19E-09
Silver, 0.01% in crude ore, in	Raw	in ground	kg	6.06E-15	4.60E-14		5.20E-14		7.95E-14	2.67E-14	2.74E-14	8.54E-14	2.19E-13
Sodium chloride, in ground	Raw	in ground	kg	2.51E-08	3.03E-07		3.29E-07		2.44E-06	9.05E-08	9.07E-08	3.74E-07	2.99E-06
Sodium sulphate, various forr	Raw	in ground	kg	8.40E-10	9.73E-09		1.06E-08		4.38E-09	9.68E-10	6.05E-09	2.73E-08	3.87E-08
Stibnite, in ground	Raw	in ground	kg	3.35E-17	2.69E-16		3.03E-16		4.15E-15	6.04E-16	1.44E-16	5.05E-16	5.41E-15
Sulfur, in ground	Raw	in ground	kg	1.21E-11	1.45E-10		1.57E-10		4.10E-09	6.78E-10	1.48E-10	6.60E-10	5.58E-09
Sylvite, 25 % in sylvinite, in g	Raw	in ground	kg	5.23E-11	4.43E-10		4.95E-10		3.90E-06	1.91E-10	2.10E-10	8.89E-10	3.90E-06
Talc, in ground	Raw	in ground	kg	1.27E-11	2.51E-11		3.78E-11		3.83E-11	9.21E-12	2.82E-10	1.26E-09	1.59E-09
Tin, 79% in cassiterite, 0.1%	Raw	in ground	kg	9.51E-13	1.22E-11		1.31E-11		1.87E-10	5.94E-11	2.47E-11	9.02E-11	3.61E-10
TiO2, 45-60% in Ilmenite, in	Raw	in ground	kg	1.78E-09	2.13E-08		2.30E-08		1.33E-08	2.58E-09	1.17E-08	5.21E-08	7.97E-08
Ulexite, in ground	Raw	in ground	kg	5.42E-13	4.04E-12		4.58E-12		6.87E-12	2.38E-12	2.45E-12	7.61E-12	1.93E-11
Uranium, in ground	Raw	in ground	kg	7.70E-11	5.62E-10		6.39E-10		1.08E-09	3.67E-10	3.60E-10	1.12E-09	2.93E-09
Vermiculite, in ground	Raw	in ground	kg	2.42E-10	1.70E-12		2.44E-10		2.91E-11	1.20E-11	1.19E-12	5.48E-12	4.78E-11
Volume occupied, final repos	Raw	in ground	m3	1.59E-13	1.16E-12		1.31E-12		2.14E-12	7.24E-13	7.44E-13	2.32E-12	5.93E-12
Volume occupied, final repos	Raw	in ground	m3	4.00E-14	2.89E-13		3.29E-13		5.35E-13	1.82E-13	1.87E-13	5.84E-13	1.49E-12
Volume occupied, undergrou	Raw	in ground	m3	2.27E-12	3.58E-11		3.81E-11		3.51E-11	1.38E-11	5.69E-11	1.47E-10	2.52E-10
Zinc 9%, in sulfide, Zn 5.34%	Raw	in ground	kg	5.36E-10	1.68E-08		1.74E-08		5.21E-08	1.63E-08	3.39E-09	7.09E-06	7.16E-06
Energy, potential, stock, in ba	Raw	in water	MJ	1.14E-05	2.70E-04		2.81E-04		1.18E-04	3.25E-05	8.14E-05	3.17E-04	5.49E-04
Magnesium, 0.13% in water	Raw	in water	kg	1.27E-14	1.03E-13		1.16E-13		2.51E-13	8.15E-14	9.85E-14	3.37E-13	7.69E-13
Volume occupied, reservoir	Raw	in water	m3y	2.54E-07	4.08E-06		4.33E-06		1.54E-06	4.44E-07	4.50E-07	1.42E-06	3.85E-06
Water, cooling, unspecified n	Raw	in water	m3	2.40E-07	4.79E-05		4.82E-05		1.02E-05	3.23E-06	9.41E-07	2.84E-06	1.72E-05
Water, lake	Raw	in water	m3	2.37E-07	1.67E-09		2.39E-07		2.85E-08	1.17E-08	1.16E-09	5.37E-09	4.67E-08
Water, river	Raw	in water	m3	6.38E-07	8.74E-06		9.38E-06		8.34E-07	1.93E-07	4.43E-07	1.88E-06	3.35E-06
Water, salt, ocean	Raw	in water	m3	7.34E-08	9.90E-07		1.06E-06		1.23E-07	3.05E-08	2.66E-08	8.35E-08	2.64E-07
Water, salt, sole	Raw	in water	m3	1.48E-08	1.01E-07		1.16E-07		3.44E-08	3.37E-09	2.16E-09	7.81E-09	4.78E-08
Water, turbine use, unspecifie	Raw	in water	m3	4.51E-05	1.54E-03		1.59E-03		7.72E-04	2.07E-04	7.24E-04	2.90E-03	4.61E-03
Water, unspecified natural ori	Raw	in water	m3	3.93E-07	2.91E-06		3.30E-06		3.36E-04	6.14E-07	4.83E-07	1.55E-06	3.38E-04
Water, well, in ground	Raw	in water	m3	4.89E-07	1.37E-07		6.26E-07		2.24E-07	6.61E-08	9.40E-08	4.89E-07	8.73E-07
Occup. as Convent. arable la	Raw	land	m2a	3.30E-10	7.57E-09		7.90E-09		7.55E-09	8.88E-10	4.72E-09	2.05E-08	3.36E-08

				Ennoblissement				Ennobliss ement	Confection				Confection
				Séchage	Consommation énergie	Rejets dans l'eau	TOTAL		Doublure	Bifil	Rivets	Boutons	TOTAL
Occupation, construction site	Raw	land	m2a	1.14E-08	2.30E-07		2.41E-07		2.86E-08	5.41E-09	1.36E-08	4.42E-08	9.17E-08
Occupation, dump site	Raw	land	m2a	1.16E-08	1.55E-07		1.66E-07		2.45E-07	6.11E-08	4.35E-06	1.89E-05	2.35E-05
Occupation, dump site, benth	Raw	land	m2a	2.76E-08	3.93E-07		4.21E-07		2.90E-08	3.30E-09	2.04E-09	6.87E-09	4.12E-08
Occup. as Forest land	Raw	land	m2a	7.67E-10	1.35E-08		1.42E-08		3.61E-08	6.71E-09	8.58E-08	3.57E-07	4.86E-07
Occup. as Forest land	Raw	land	m2a	1.16E-07	8.44E-07		9.60E-07		2.42E-06	7.38E-07	1.05E-06	3.57E-06	7.78E-06
Occup. as Industrial area	Raw	land	m2a	9.79E-08	9.75E-07		1.07E-06		2.26E-07	3.21E-08	1.05E-07	3.93E-07	7.56E-07
Occupation, industrial area, b	Raw	land	m2a	2.56E-10	3.91E-09		4.17E-09		2.53E-10	2.84E-11	1.74E-11	5.82E-11	3.57E-10
Occupation, industrial area, b	Raw	land	m2a	4.15E-09	5.04E-08		5.45E-08		2.28E-07	7.55E-08	1.36E-07	4.92E-07	9.31E-07
Occupation, industrial area, v	Raw	land	m2a	2.01E-09	2.05E-08		2.25E-08		7.73E-08	2.37E-08	3.62E-08	1.34E-07	2.71E-07
Occupation, mineral extractio	Raw	land	m2a	2.23E-08	2.83E-07		3.06E-07		2.90E-07	3.81E-08	8.23E-08	3.49E-07	7.59E-07
Occupation, permanent crop,	Raw	land	m2a	3.93E-10	5.71E-09		6.10E-09		5.87E-10	5.64E-11	8.40E-11	3.04E-10	1.03E-09
Occup. as Discont. urban lan	Raw	land	m2a	3.40E-10	4.51E-09		4.84E-09		6.52E-09	8.61E-10	1.05E-08	3.01E-08	4.80E-08
Occup. as rail/ road area	Raw	land	m2a	1.20E-09	1.22E-08		1.34E-08		6.43E-08	2.20E-08	4.40E-09	2.24E-08	1.13E-07
Occup. as rail/ road area	Raw	land	m2a	1.32E-09	1.34E-08		1.48E-08		7.11E-08	2.43E-08	4.86E-09	2.48E-08	1.25E-07
Occup. as rail/ road area	Raw	land	m2a	1.53E-09	1.27E-08		1.43E-08		8.25E-08	9.35E-09	1.29E-08	4.56E-08	1.50E-07
Occup. as rail/ road area	Raw	land	m2a	1.77E-08	1.52E-07		1.69E-07		3.86E-07	1.94E-08	9.45E-08	2.80E-07	7.80E-07
Occup. as Contin. urban land	Raw	land	m2a	2.92E-12	3.67E-11		3.96E-11		1.40E-11	1.24E-12	9.76E-12	4.30E-11	6.80E-11
Occupation, water bodies, art	Raw	land	m2a	2.23E-08	2.67E-07		2.90E-07		1.96E-07	4.34E-08	4.89E-08	1.73E-07	4.61E-07
Occupation, water courses, a	Raw	land	m2a	8.87E-09	1.84E-07		1.93E-07		9.88E-08	2.21E-08	7.46E-08	2.97E-07	4.93E-07
Transformation, from arable	Raw	land	m2	5.52E-12	5.23E-11		5.79E-11		6.49E-11	1.94E-11	5.87E-11	1.79E-10	3.22E-10
Transformation, from arable,	Raw	land	m2	6.10E-10	1.38E-08		1.44E-08		1.40E-08	1.64E-09	8.67E-09	3.76E-08	6.19E-08
Transformation, from arable,	Raw	land	m2	2.80E-13	5.27E-12		5.55E-12		6.53E-12	1.44E-12	1.42E-11	4.30E-11	6.52E-11
Transformation, from dump s	Raw	land	m2	3.90E-11	6.10E-10		6.49E-10		3.79E-10	6.64E-11	2.72E-10	8.53E-10	1.57E-09
Transformation, from dump s	Raw	land	m2	1.87E-11	2.46E-10		2.65E-10		9.15E-10	1.02E-10	1.82E-09	5.14E-09	7.97E-09
Transformation, from dump s	Raw	land	m2	9.97E-12	4.17E-11		5.17E-11		9.36E-12	2.56E-12	1.09E-12	5.52E-12	1.85E-11
Transformation, from dump s	Raw	land	m2	8.04E-14	1.45E-12		1.53E-12		2.62E-12	7.91E-13	3.11E-12	8.38E-12	1.49E-11
Transformation, from forest	Raw	land	m2	4.38E-08	4.87E-07		5.30E-07		6.79E-08	7.21E-09	4.52E-09	1.59E-08	9.55E-08
Transformation, from forest, e	Raw	land	m2	8.30E-10	6.33E-09		7.16E-09		1.87E-08	5.71E-09	8.50E-09	2.97E-08	6.26E-08
Transformation, from industri	Raw	land	m2	4.09E-10	6.49E-09		6.90E-09		4.03E-10	7.68E-11	6.27E-11	1.96E-10	7.39E-10
Transformation, from industri	Raw	land	m2	2.70E-12	4.63E-11		4.90E-11		1.80E-12	2.26E-13	1.38E-13	4.34E-13	2.60E-12
Transformation, from industri	Raw	land	m2	1.44E-13	1.66E-12		1.81E-12		7.50E-13	1.66E-13	1.04E-12	4.67E-12	6.63E-12
Transformation, from industri	Raw	land	m2	2.45E-13	2.84E-12		3.09E-12		1.28E-12	2.83E-13	1.76E-12	7.94E-12	1.13E-11
Transformation, from mineral	Raw	land	m2	5.12E-10	7.25E-09		7.76E-09		4.50E-09	6.11E-10	1.67E-09	7.25E-09	1.40E-08
Transformation, from pasture	Raw	land	m2	5.45E-10	8.87E-09		9.41E-09		4.17E-09	4.61E-10	3.85E-09	1.16E-08	2.01E-08
Transformation, from pasture	Raw	land	m2	4.92E-13	1.11E-11		1.16E-11		1.12E-11	1.32E-12	6.98E-12	3.02E-11	4.98E-11
Transformation, from sea anc	Raw	land	m2	2.76E-08	3.93E-07		4.21E-07		2.90E-08	3.30E-09	2.04E-09	6.88E-09	4.12E-08
Transformation, from shrub la	Raw	land	m2	9.42E-11	1.84E-09		1.94E-09		1.77E-09	2.96E-10	2.54E-09	7.80E-09	1.24E-08
Transformation, from unknow	Raw	land	m2	2.58E-09	3.78E-08		4.03E-08		3.63E-08	5.78E-09	4.44E-08	1.92E-07	2.79E-07
Transformation, to arable	Raw	land	m2	4.43E-09	7.37E-08		7.81E-08		3.90E-09	6.84E-10	6.13E-10	1.91E-09	7.10E-09
Transformation, to arable, no	Raw	land	m2	6.11E-10	1.38E-08		1.44E-08		1.40E-08	1.64E-09	8.67E-09	3.76E-08	6.19E-08
Transformation, to arable, no	Raw	land	m2	7.05E-13	9.84E-12		1.06E-11		1.29E-11	3.13E-12	1.65E-11	5.29E-11	8.54E-11
Transformation, to dump site	Raw	land	m2	8.37E-11	1.11E-09		1.19E-09		1.71E-09	4.57E-10	3.30E-08	1.44E-07	1.79E-07
Transformation, to dump site,	Raw	land	m2	2.76E-08	3.93E-07		4.21E-07		2.90E-08	3.30E-09	2.04E-09	6.87E-09	4.12E-08
Transformation, to dump site,	Raw	land	m2	3.90E-11	6.10E-10		6.49E-10		3.79E-10	6.64E-11	2.72E-10	8.53E-10	1.57E-09
Transformation, to dump site,	Raw	land	m2	1.87E-11	2.46E-10		2.65E-10		9.15E-10	1.02E-10	1.82E-09	5.14E-09	7.97E-09
Transformation, to dump site,	Raw	land	m2	9.97E-12	4.17E-11		5.17E-11		9.36E-12	2.56E-12	1.09E-12	5.52E-12	1.85E-11
Transformation, to dump site,	Raw	land	m2	8.04E-14	1.45E-12		1.53E-12		2.62E-12	7.91E-13	3.11E-12	8.38E-12	1.49E-11
Transformation, to forest	Raw	land	m2	3.90E-10	6.08E-09		6.47E-09		3.19E-09	4.04E-10	3.03E-09	1.11E-08	1.77E-08
Transformation, to forest, inte	Raw	land	m2	5.11E-12	8.97E-11		9.48E-11		2.41E-10	4.47E-11	5.70E-10	2.37E-09	3.23E-09
Transformation, to forest, inte	Raw	land	m2	8.13E-10	6.13E-09		6.94E-09		1.83E-08	5.61E-09	7.84E-09	2.70E-08	5.87E-08
Transformation, to heterogen	Raw	land	m2	2.09E-09	2.41E-08		2.62E-08		3.20E-09	3.30E-10	2.12E-10	7.44E-10	4.49E-09
Transformation, to industrial a	Raw	land	m2	7.63E-10	1.39E-08		1.46E-08		2.13E-09	4.34E-10	2.06E-09	7.62E-09	1.23E-08
Transformation, to industrial a	Raw	land	m2	7.80E-12	1.11E-10		1.18E-10		1.83E-11	3.97E-12	1.84E-12	6.58E-12	3.07E-11
Transformation, to industrial a	Raw	land	m2	9.10E-11	1.08E-09		1.17E-09		4.64E-09	1.53E-09	2.73E-09	9.93E-09	1.88E-08
Transformation, to industrial a	Raw	land	m2	5.46E-11	5.08E-10		5.62E-10		1.61E-09	4.87E-10	7.32E-10	2.70E-09	5.53E-09
Transformation, to mineral ex	Raw	land	m2	3.87E-08	4.11E-07		4.49E-07		8.29E-08	8.65E-09	8.90E-09	3.75E-08	1.38E-07
Transformation, to pasture ar	Raw	land	m2	3.95E-10	6.40E-09		6.79E-09		1.54E-09	3.77E-11	3.22E-11	1.16E-10	1.72E-09
Transformation, to permanen	Raw	land	m2	3.93E-12	5.71E-11		6.10E-11		5.88E-12	5.64E-13	8.40E-13	3.04E-12	1.03E-11
Transformation, to sea and o	Raw	land	m2	2.70E-12	4.63E-11		4.90E-11		1.80E-12	2.26E-13	1.38E-13	4.34E-13	2.60E-12
Transformation, to shrub land	Raw	land	m2	6.78E-11	8.99E-10		9.67E-10		1.31E-09	1.72E-10	2.09E-09	6.01E-09	9.58E-09
Transformation, to traffic area	Raw	land	m2	2.79E-12	2.83E-11		3.11E-11		1.49E-10	5.11E-11	1.03E-11	5.21E-11	2.63E-10
Transformation, to traffic area	Raw	land	m2	3.07E-12	3.11E-11		3.42E-11		1.64E-10	5.61E-11	1.12E-11	5.72E-11	2.89E-10
Transformation, to traffic area	Raw	land	m2	9.01E-12	7.23E-11		8.13E-11		3.28E-10	6.11E-11	8.95E-11	3.17E-10	7.96E-10
Transformation, to traffic area	Raw	land	m2	2.05E-10	1.85E-09		2.06E-09		1.90E-09	1.75E-10	1.32E-09	3.87E-09	7.28E-09
Transformation, to unknown	Raw	land	m2	1.40E-10	1.68E-09		1.82E-09		5.58E-10	1.19E-10	3.89E-10	1.10E-09	2.17E-09
Transformation, to urban, dis	Raw	land	m2	5.82E-14	7.31E-13		7.90E-13		2.78E-13	2.47E-14	1.95E-13	8.58E-13	1.36E-12
Transformation, to water bodi	Raw	land	m2	4.11E-10	5.75E-09		6.17E-09		5.10E-09	6.31E-10	1.01E-09	4.86E-09	1.16E-08
Transformation, to water cour	Raw	land	m2	9.17E-11	2.14E-09		2.23E-09		1.13E-09	2.65E-10	9.12E-10	3.64E-09	5.95E-09
Acetic acid	Air		kg	6.15E-12	6.46E-11		7.08E-11		1.71E-08	7.31E-09	2.72E-11	1.18E-10	2.46E-08
Aluminum	Air		kg	2.48E-10	3.02E-09		3.27E-09		4.36E-09	1.02E-09	4.75E-08	2.15E-07	2.68E-07
Ammonia	Air		kg	1.30E-10	1.51E-09		1.64E-09		3.58E-09	6.44E-10	1.88E-08	8.50E-08	1.08E-07
Antimony	Air		kg	4.37E-16	4.44E-15		4.88E-15		3.38E-15	6.81E-16	5.80E-16	4.87E-15	9.50E-15
Arsenic	Air		kg	2.62E-15	2.67E-14		2.93E-14		2.02E-14	4.07E-15	3.49E-15	2.92E-14	5.70E-14
Benzene	Air		kg	6.37E-12	6.56E-11		7.20E-11		7.06E-10	3.74E-11	2.18E-11	8.27E-11	8.48E-10
Benzene, hexachloro-	Air		kg	6.29E-15	8.18E-14		8.81E-14		2.57E-14	4.54E-15	4.65E-14	1.25E-13	2.01E-13
Benzo(a)pyrene	Air		kg	8.88E-15	1.68E-13		1.77E-13		1.39E-13	2.62E-14	1.95E-13	6.32E-13	9.93E-13
Beryllium	Air		kg	6.55E-16	6.67E-15		7.32E-15		5.06E-15	1.02E-15	8.70E-16	7.32E-15	1.43E-14
Butadiene	Air		kg	2.56E-18	1.77E-17		2.02E-17		6.74E-18	6.08E-19	3.86E-19	1.39E-18	9.12E-18
Cadmium	Air		kg	2.56E-14	3.33E-13		3.59E-13		3.36E-13	2.74E-14	1.53E-13	4.29E-13	9.45E-13
Carbon dioxide, biogenic	Air		kg	3.30E-09	3.35E-08		3.68E-08		2.55E-08	5.14E-09	4.38E-09	3.67E-08	7.17E-08
Carbon dioxide, fossil	Air		kg	8.80E-07	1.33E-05		1.42E-05		6.72E-05	2.12E-06	3.11E-06	1.12E-05	8.36E-05
Carbon monoxide, biogenic	Air		kg	9.17E-11	2.88E-09		2.97E-09		3.43E-09	6.71E-10	1.90E-09	8.34E-09	1.43E-08
Carbon monoxide, fossil	Air		kg	2.19E-08	3.05E-07		3.26E-07		3.32E-07	2.90E-08	1.45E-07	4.44E-07	9.50E-07
Chlorine	Air		kg	1.50E-16	7.76E-15		7.91E-15		2.57E-15	4.61E-16	1.55E-15	6.80E-15	1.14E-14
Chromium	Air		kg	7.84E-13	1.08E-11		1.16E-11		4.97E-12	6.51E-13	6.26E-12	1.68E-11	2.87E-11
Chromium VI	Air		kg	1.44E-16	1.44E-15		1.58E-15		4.27E-15	3.09E-16	2.27E-16	1.61E-15	6.42E-15
Cobalt	Air		kg	1.15E-15	1.09E-14		1.21E-14		1.04E-14	2.59E-15	2.44E-15	1.37E-14	2.92E-14
Copper	Air		kg	4.61E-13	5.88E-12		6.34E-12		1.81E-11	9.42E-13	2.05E-12	6.24E-12	2.73E-11
Dinitrogen monoxide	Air		kg	7.31E-11	6.92E-10		7.65E-10		3.02E-09	2.70E-10	2.71E-10	8.74E-10	4.44E-09
Dioxins, measured as 2,3,7,8	Air		kg	4.73E-15	6.60E-14		7.08E-14		2.06E-14	3.37E-15	2.79E-14	7.50E-14	1.27E-13
Ethane, 1,1,1,2-tetrafluoro-, H	Air		kg	5.57E-13	4.90E-12		5.46E-12		7.84E-11	2.91E-12	1.59E-12	6.40E-12	8.93E-11
Ethane, hexafluoro-, HFC-11	Air		kg	2.80E-14	8.77E-13		9.05E-13		1.05E-12	2.05E-13	5.80E-13	2.54E-12	4.37E-12
Ethylene oxide	Air		kg	2.46E-17	1.70E-16		1.95E-16		6.50E-17	5.88E-18	3.73E-18	1.35E-17	8.81E-17
Ethyne	Air		kg	2.61E-15	5.17E-14		5.43E-14		8.58E-14	2.75E-14	2.09E-14	7.31E-14	2.07E-13
Fluorine	Air		kg	1.50E-18	1.14E-17		1.29E-17		1.98E-17	6.64E-18	6.81E-18	2.12E-17	5.45E-17

				Ennoblissement				Ennobliss ement	Confection				Confection
				Séchage	Consommation énergie	Rejets dans l'eau	TOTAL		Doublure	Bifil	Rivets	Boutons	TOTAL
Formaldehyde	Air		kg	3.10E-13	2.88E-12		3.19E-12		1.27E-11	4.21E-12	3.16E-12	1.14E-11	3.15E-11
Heat, waste	Air		MJ	2.09E-05	2.19E-04		2.40E-04		6.70E-04	4.17E-05	1.02E-04	3.15E-04	1.13E-03
Helium	Air		kg	1.21E-20	1.44E-19		1.56E-19		2.41E-18	1.73E-20	7.96E-20	3.54E-19	2.86E-18
Hydrocarbons, aliphatic, alka	Air		kg	7.64E-11	1.08E-09		1.15E-09		6.51E-08	5.61E-11	4.44E-10	1.20E-09	6.68E-08
Hydrocarbons, aromatic	Air		kg	2.42E-11	3.14E-10		3.39E-10		9.88E-11	1.75E-11	1.79E-10	4.80E-10	7.75E-10
Hydrocarbons, chlorinated	Air		kg	4.87E-14	1.18E-12		1.23E-12		1.57E-12	4.21E-13	4.66E-13	1.80E-12	4.26E-12
Hydrogen	Air		kg	3.64E-13	3.84E-12		4.20E-12		1.02E-09	4.34E-10	1.62E-12	7.02E-12	1.46E-09
Hydrogen chloride	Air		kg	4.03E-11	5.00E-10		5.41E-10		5.08E-10	1.29E-10	2.73E-10	8.43E-10	1.75E-09
Hydrogen fluoride	Air		kg	6.75E-12	1.03E-10		1.10E-10		5.56E-11	1.11E-11	5.42E-11	1.71E-10	2.91E-10
Hydrogen sulfide	Air		kg	5.25E-12	7.34E-11		7.86E-11		2.30E-11	3.77E-12	3.10E-11	8.34E-11	1.41E-10
Iron	Air		kg	4.32E-12	6.46E-11		6.89E-11		1.98E-11	3.51E-12	3.79E-11	1.02E-10	1.63E-10
Lead	Air		kg	2.59E-12	3.59E-11		3.84E-11		1.28E-11	2.15E-12	1.74E-11	4.78E-11	8.02E-11
Manganese	Air		kg	6.01E-13	8.82E-12		9.42E-12		2.58E-12	4.67E-13	5.09E-12	1.36E-11	2.17E-11
Mercury	Air		kg	7.51E-13	9.77E-12		1.05E-11		3.10E-12	5.48E-13	5.45E-12	1.47E-11	2.38E-11
Methane, fossil	Air		kg	1.09E-10	1.44E-09		1.54E-09		2.04E-08	7.45E-09	2.22E-10	8.04E-10	2.89E-08
Methane, tetrafluoro-, FC-14	Air		kg	2.52E-13	7.90E-12		8.15E-12		9.43E-12	1.84E-12	5.22E-12	2.29E-11	3.94E-11
Methanol	Air		kg	3.10E-12	3.26E-11		3.57E-11		8.60E-09	3.67E-09	1.37E-11	5.96E-11	1.23E-08
Molybdenum	Air		kg	4.57E-18	3.31E-17		3.76E-17		6.19E-17	2.07E-17	2.14E-17	6.66E-17	1.71E-16
Nickel	Air		kg	4.35E-13	5.97E-12		6.41E-12		3.53E-12	3.87E-13	3.33E-12	8.99E-12	1.62E-11
Nitrogen oxides	Air		kg	1.89E-08	2.47E-07		2.66E-07		8.58E-07	2.88E-08	1.50E-07	6.27E-07	1.66E-06
NMVOC, non-methane volatil	Air		kg	2.49E-09	3.26E-08		3.51E-08		6.49E-08	3.97E-09	2.82E-08	1.14E-07	2.12E-07
Ozone	Air		kg	4.76E-11	3.95E-10		4.42E-10		5.67E-10	1.92E-10	1.98E-10	6.18E-10	1.58E-09
PAH, polycyclic aromatic hyd	Air		kg	8.13E-13	1.27E-11		1.35E-11		7.26E-12	1.20E-12	8.26E-12	2.60E-11	4.27E-11
Particulates, < 2.5 um	Air		kg	1.93E-09	2.59E-08		2.79E-08		8.53E-08	1.98E-09	7.18E-09	2.51E-08	1.20E-07
Particulates, > 10 um	Air		kg	2.30E-10	2.38E-09		2.61E-09		2.16E-08	2.03E-09	1.30E-09	4.76E-09	2.97E-08
Particulates, > 2.5 um, and <	Air		kg	2.13E-10	2.38E-09		2.60E-09		1.21E-08	2.16E-09	1.45E-09	5.13E-09	2.08E-08
Phenol	Air		kg	9.80E-16	1.18E-14		1.28E-14		8.04E-14	2.65E-14	1.72E-14	6.52E-14	1.89E-13
Phosphorus	Air		kg	1.60E-16	8.23E-15		8.39E-15		2.73E-15	4.91E-16	1.65E-15	7.22E-15	1.21E-14
Platinum	Air		kg	3.29E-20	9.15E-18		9.18E-18		6.01E-19	6.14E-20	7.63E-20	2.72E-19	1.01E-18
Polychlorinated biphenyls	Air		kg	1.06E-14	1.41E-13		1.52E-13		4.41E-14	7.61E-15	7.37E-14	1.98E-13	3.23E-13
Selenium	Air		kg	2.00E-15	2.36E-14		2.56E-14		9.25E-14	4.94E-15	4.49E-15	1.92E-14	1.21E-13
Silicon	Air		kg	4.78E-20	5.70E-19		6.17E-19		9.53E-18	6.81E-20	3.15E-19	1.40E-18	1.13E-17
Sodium	Air		kg	1.03E-16	9.29E-16		1.03E-15		3.32E-15	9.31E-16	9.96E-16	3.51E-15	8.75E-15
Sulfate	Air		kg	2.43E-14	3.63E-13		3.88E-13		3.61E-14	3.41E-15	2.05E-13	5.30E-13	7.74E-13
Sulfur dioxide	Air		kg	1.00E-09	1.36E-08		1.46E-08		3.56E-08	1.11E-09	5.43E-09	1.59E-08	5.81E-08
Sulfur hexafluoride	Air		kg	7.98E-13	6.28E-12		7.07E-12		9.20E-12	3.15E-12	1.97E-12	6.47E-12	2.08E-11
Thallium	Air		kg	2.83E-15	2.89E-14		3.17E-14		2.19E-14	4.41E-15	3.77E-15	3.16E-14	6.17E-14
Tin	Air		kg	5.63E-15	6.07E-14		6.64E-14		2.26E-13	5.58E-14	1.36E-13	5.82E-13	1.00E-12
Titanium	Air		kg	8.24E-15	1.15E-13		1.23E-13		3.60E-14	5.91E-15	4.87E-14	1.31E-13	2.22E-13
Toluene	Air		kg	2.43E-12	4.11E-11		4.36E-11		2.91E-10	1.53E-11	6.93E-12	2.86E-11	3.42E-10
Vanadium	Air		kg	2.38E-14	3.28E-13		3.52E-13		1.07E-13	1.79E-14	1.35E-13	3.72E-13	6.33E-13
water	Air		kg	3.80E-10	4.63E-09		5.01E-09		6.70E-09	1.57E-09	7.28E-08	3.30E-07	4.11E-07
Xylene	Air		kg	2.41E-12	3.80E-11		4.04E-11		2.91E-10	1.52E-11	6.88E-12	2.84E-11	3.42E-10
Zinc	Air		kg	8.02E-12	1.11E-10		1.19E-10		8.57E-11	1.53E-11	5.70E-11	4.65E-09	4.81E-09
Acenaphthene	Air	high. pop	kg	1.06E-17	3.04E-14		3.05E-14		9.95E-16	4.47E-17	4.60E-17	1.43E-16	1.23E-15
Acetaldehyde	Air	high. pop	kg	1.04E-10	1.18E-09		1.29E-09		1.32E-10	3.37E-11	1.21E-11	4.28E-11	2.20E-10
Acetic acid	Air	high. pop	kg	8.22E-10	1.04E-08		1.12E-08		6.16E-10	1.04E-10	7.35E-11	2.55E-10	1.05E-09
Acetone	Air	high. pop	kg	1.02E-10	1.14E-09		1.25E-09		9.16E-11	1.72E-11	1.18E-11	4.18E-11	1.62E-10
Acrolein	Air	high. pop	kg	2.07E-15	2.72E-14		2.93E-14		1.50E-14	1.02E-15	3.70E-15	1.31E-14	3.28E-14
Aldehydes, unspecified	Air	high. pop	kg	9.76E-14	1.65E-12		1.75E-12		2.60E-11	9.78E-12	3.62E-13	1.43E-12	3.76E-11
Aluminum	Air	high. pop	kg	3.56E-12	4.88E-11		5.23E-11		7.34E-10	3.00E-10	1.10E-09	3.30E-09	5.43E-09
Ammonia	Air	high. pop	kg	5.05E-11	8.62E-10		9.13E-10		3.19E-08	1.47E-10	5.41E-10	2.30E-09	3.49E-08
Ammonium carbonate	Air	high. pop	kg	8.36E-15	5.49E-14		6.32E-14		2.35E-13	9.01E-14	7.34E-15	2.54E-14	3.57E-13
Antimony	Air	high. pop	kg	1.50E-15	1.07E-14		1.22E-14		1.11E-13	4.51E-14	1.63E-13	4.92E-13	8.11E-13
Arsenic	Air	high. pop	kg	8.91E-12	3.65E-11		4.54E-11		7.10E-12	1.87E-12	3.26E-12	1.03E-11	2.26E-11
Barium	Air	high. pop	kg	4.28E-14	5.96E-13		6.39E-13		8.65E-12	3.54E-12	1.29E-11	3.87E-11	6.38E-11
Benzaldehyde	Air	high. pop	kg	1.08E-15	1.42E-14		1.53E-14		7.81E-15	5.31E-16	1.93E-15	6.86E-15	1.71E-14
Benzene	Air	high. pop	kg	1.22E-09	3.81E-09		5.03E-09		5.70E-10	1.17E-10	1.23E-10	4.01E-10	1.21E-09
Benzene, ethyl-	Air	high. pop	kg	2.45E-11	1.66E-10		1.90E-10		6.12E-11	5.74E-12	3.84E-12	1.38E-11	8.46E-11
Benzene, hexachloro-	Air	high. pop	kg	2.46E-17	4.02E-16		4.26E-16		6.78E-16	2.35E-16	2.77E-16	8.40E-16	2.03E-15
Benzene, pentachloro-	Air	high. pop	kg	6.20E-17	1.01E-15		1.07E-15		1.70E-15	5.91E-16	6.93E-16	2.11E-15	5.09E-15
Benzo(a)pyrene	Air	high. pop	kg	4.66E-14	1.61E-13		2.07E-13		2.23E-14	6.18E-15	4.84E-15	1.61E-14	4.94E-14
Beryllium	Air	high. pop	kg	7.40E-16	2.57E-13		2.58E-13		9.84E-14	3.67E-14	1.31E-13	3.93E-13	6.58E-13
Boron	Air	high. pop	kg	1.82E-13	2.43E-12		2.61E-12		3.28E-11	1.34E-11	4.87E-11	1.46E-10	2.41E-10
Bromine	Air	high. pop	kg	4.38E-14	4.14E-13		4.57E-13		1.49E-12	5.48E-13	1.18E-12	3.61E-12	6.84E-12
Butane	Air	high. pop	kg	2.99E-09	4.75E-08		5.05E-08		4.21E-09	4.27E-10	2.83E-10	9.61E-10	5.88E-09
Butene	Air	high. pop	kg	2.45E-11	1.65E-10		1.90E-10		6.09E-11	5.64E-12	3.75E-12	1.35E-11	8.38E-11
Cadmium	Air	high. pop	kg	2.25E-11	2.05E-11		4.31E-11		1.02E-11	2.56E-12	1.41E-12	5.54E-12	1.97E-11
Calcium	Air	high. pop	kg	5.90E-11	1.84E-10		2.43E-10		1.61E-10	5.71E-11	1.51E-10	4.58E-10	8.27E-10
Carbon dioxide, biogenic	Air	high. pop	kg	7.99E-08	7.34E-07		8.13E-07		1.23E-06	4.21E-07	4.91E-07	1.59E-06	3.74E-06
Carbon dioxide, fossil	Air	high. pop	kg	2.23E-04	3.14E-03		3.36E-03		2.48E-04	6.21E-05	2.53E-05	8.06E-05	4.16E-04
Carbon disulfide	Air	high. pop	kg	5.61E-16	4.61E-15		5.17E-15		2.26E-11	9.65E-12	1.77E-15	7.68E-15	3.22E-11
Carbon monoxide, biogenic	Air	high. pop	kg	1.03E-11	9.38E-11		1.04E-10		2.00E-10	6.78E-11	8.61E-11	2.83E-10	6.37E-10
Carbon monoxide, fossil	Air	high. pop	kg	2.20E-08	6.62E-07		6.84E-07		1.41E-07	3.10E-08	1.42E-08	4.49E-08	2.31E-07
Chlorine	Air	high. pop	kg	1.25E-11	1.60E-10		1.73E-10		1.01E-10	1.72E-11	2.30E-11	8.24E-11	2.24E-10
Chloroform	Air	high. pop	kg	1.94E-15	1.10E-14		1.29E-14		2.31E-14	7.85E-15	8.33E-15	2.53E-14	6.46E-14
Chromium	Air	high. pop	kg	1.09E-11	6.21E-11		7.30E-11		8.94E-12	2.16E-12	3.24E-12	1.04E-11	2.47E-11
Chromium VI	Air	high. pop	kg	1.12E-13	1.43E-12		1.54E-12		3.04E-13	9.82E-14	2.99E-13	9.06E-13	1.61E-12
Cobalt	Air	high. pop	kg	2.27E-11	1.88E-10		2.11E-10		1.85E-11	3.61E-12	2.60E-12	9.21E-12	3.39E-11
Copper	Air	high. pop	kg	3.38E-11	2.55E-10		2.89E-10		5.94E-11	1.75E-11	9.53E-12	3.06E-11	1.17E-10
Cumene	Air	high. pop	kg	2.01E-12	2.54E-11		2.74E-11		1.27E-11	2.42E-12	1.26E-11	5.34E-11	8.11E-11
Cyanide	Air	high. pop	kg	1.27E-13	2.31E-12		2.44E-12		4.49E-10	1.05E-11	1.07E-11	4.56E-11	5.15E-10
Dinitrogen monoxide	Air	high. pop	kg	1.64E-09	6.53E-08		6.69E-08		9.85E-08	4.44E-10	1.59E-09	6.71E-09	1.07E-07
Dioxins, measured as 2,3,7,8	Air	high. pop	kg	7.29E-18	1.40E-16		1.47E-16		1.38E-15	5.64E-16	2.05E-15	6.16E-15	1.02E-14
Ethane	Air	high. pop	kg	2.73E-10	5.44E-08		5.47E-08		2.45E-09	1.78E-10	2.72E-10	8.48E-10	3.75E-09
Ethane, 1,1,1,2-tetrafluoro-, H	Air	high. pop	kg	1.63E-16	7.35E-18		1.70E-16		3.02E-17	1.16E-17	4.49E-18	1.52E-17	6.15E-17
Ethane, 1,2-dichloro-	Air	high. pop	kg	1.46E-13	1.22E-12		1.37E-12		2.30E-10	1.00E-11	4.97E-13	2.08E-12	2.42E-10
Ethanol	Air	high. pop	kg	2.03E-10	2.34E-09		2.54E-09		1.86E-10	3.47E-11	2.39E-11	8.44E-11	3.29E-10
Ethene	Air	high. pop	kg	5.14E-11	3.57E-10		4.09E-10		4.87E-09	2.02E-09	3.20E-10	9.72E-10	8.19E-09
Ethene, chloro-	Air	high. pop	kg	1.83E-13	1.27E-12		1.45E-12		2.48E-11	1.03E-11	4.53E-13	1.81E-12	3.74E-11
Ethylene diamine	Air	high. pop	kg	2.20E-18	2.71E-17		2.93E-17		1.15E-10	2.12E-17	2.32E-16	1.05E-15	1.15E-10
Ethylene oxide	Air	high. pop	kg	3.41E-14	4.14E-13		4.48E-13		3.81E-10	1.62E-10	1.10E-13	4.81E-13	5.43E-10
Ethyne	Air	high. pop	kg	1.65E-13	2.24E-12		2.41E-12		3.43E-11	1.40E-11	5.13E-11	1.54E-10	2.53E-10
Fluorine	Air	high. pop	kg	3.27E-14	3.38E-13		3.71E-13		2.30E-11	9.78E-12	1.39E-13	4.49E-13	3.34E-11
Fluosilicic acid	Air	high. pop	kg	3.28E-14	1.02E-12		1.06E-12		1.22E-12	2.39E-13	6.78E-13	2.97E-12	5.11E-12

				Ennoblissement			Ennobliss ement	Confection				Confection
				Séchage	Consommation énergie	Rejets dans l'eau	TOTAL	Doublure	Bifil	Rivets	Boutons	TOTAL
Formaldehyde	Air	high. pop.	kg	5.82E-10	5.48E-09		6.06E-09	6.66E-10	9.08E-11	6.31E-11	2.11E-10	1.03E-09
Heat, waste	Air	high. pop.	MJ	4.08E-03	4.19E-02		4.60E-02	3.94E-03	1.07E-03	3.38E-04	1.09E-03	6.44E-03
Heptane	Air	high. pop.	kg	2.45E-10	1.65E-09		1.90E-09	6.09E-10	5.64E-11	3.75E-11	1.35E-10	8.38E-10
Hexane	Air	high. pop.	kg	5.35E-10	3.40E-08		3.45E-08	2.30E-09	1.65E-10	1.26E-10	4.33E-10	3.02E-09
Hydrocarbons, aliphatic, alka	Air	high. pop.	kg	3.58E-15	2.47E-14		2.83E-14	2.28E-11	9.68E-12	1.61E-14	5.83E-14	3.26E-11
Hydrocarbons, aliphatic, alka	Air	high. pop.	kg	4.33E-10	4.84E-09		5.27E-09	6.06E-10	1.26E-10	1.10E-10	3.60E-10	1.20E-09
Hydrocarbons, aliphatic, unsa	Air	high. pop.	kg	2.22E-11	2.52E-10		2.74E-10	7.47E-11	2.49E-11	6.18E-11	1.88E-10	3.50E-10
Hydrocarbons, aromatic	Air	high. pop.	kg	1.02E-10	8.67E-11		1.89E-10	2.81E-08	1.20E-08	9.49E-12	3.70E-11	4.01E-08
Hydrocarbons, chlorinated	Air	high. pop.	kg	2.73E-14	2.08E-13		2.35E-13	2.30E-11	9.75E-12	7.32E-14	3.02E-13	3.31E-11
Hydrogen	Air	high. pop.	kg	8.60E-11	9.85E-10		1.07E-09	3.37E-09	1.04E-09	5.84E-10	2.60E-09	7.60E-09
Hydrogen chloride	Air	high. pop.	kg	9.95E-10	5.82E-10		1.58E-09	3.79E-09	1.48E-09	4.21E-09	1.27E-08	2.22E-08
Hydrogen fluoride	Air	high. pop.	kg	9.87E-11	1.60E-10		2.59E-10	1.62E-10	5.84E-11	1.35E-10	4.11E-10	7.67E-10
Hydrogen sulfide	Air	high. pop.	kg	1.34E-13	2.10E-12		2.24E-12	1.07E-10	4.44E-11	4.40E-13	1.89E-12	1.54E-10
Iodine	Air	high. pop.	kg	3.71E-15	5.03E-14		5.40E-14	7.80E-13	3.20E-13	1.17E-12	3.51E-12	5.78E-12
Iron	Air	high. pop.	kg	1.24E-10	3.55E-10		4.79E-10	3.68E-10	1.39E-10	4.62E-10	1.39E-09	2.36E-09
Isocyanic acid	Air	high. pop.	kg	5.94E-13	4.34E-12		4.94E-12	8.34E-12	2.82E-12	2.77E-12	8.72E-12	2.26E-11
Lead	Air	high. pop.	kg	3.91E-11	1.86E-10		2.25E-10	5.29E-11	1.71E-11	1.09E-11	3.52E-11	1.16E-10
Lead-210	Air	high. pop.	Bq	1.51E-08	2.05E-07		2.20E-07	3.18E-06	1.30E-06	4.77E-06	1.43E-05	2.36E-05
m-Xylene	Air	high. pop.	kg	6.83E-14	5.70E-13		6.39E-13	8.43E-13	2.88E-13	3.14E-13	1.01E-12	2.46E-12
Magnesium	Air	high. pop.	kg	1.47E-12	1.89E-11		2.04E-11	2.62E-10	1.07E-10	3.90E-10	1.17E-09	1.93E-09
Manganese	Air	high. pop.	kg	1.80E-13	5.86E-11		5.88E-11	5.54E-12	1.38E-12	3.07E-12	9.35E-12	1.93E-11
Mercury	Air	high. pop.	kg	2.77E-13	3.15E-12		3.43E-12	2.77E-11	1.11E-11	3.66E-13	1.16E-12	4.03E-11
Methane, biogenic	Air	high. pop.	kg	1.41E-11	2.03E-10		2.17E-10	2.15E-10	3.74E-11	9.38E-12	3.37E-11	2.96E-10
Methane, chlorodifluoro-, HCl	Air	high. pop.	kg	2.25E-15	1.02E-16		2.35E-15	4.19E-16	1.61E-16	6.23E-17	2.11E-16	8.54E-16
Methane, dichloro-, HCC-30	Air	high. pop.	kg	5.84E-17	3.35E-16		3.93E-16	7.00E-16	2.37E-16	2.51E-16	7.64E-16	1.95E-15
Methane, dichlorodifluoro-, C	Air	high. pop.	kg	8.60E-17	2.87E-16		3.73E-16	3.07E-15	8.85E-17	1.27E-16	4.56E-16	3.74E-15
Methane, dichlorofluoro-, HCl	Air	high. pop.	kg	3.16E-19	1.43E-20		3.31E-19	5.89E-20	2.26E-20	8.75E-21	2.96E-20	1.20E-19
Methane, fossil	Air	high. pop.	kg	1.01E-08	1.08E-07		1.19E-07	2.59E-07	1.07E-07	2.31E-09	7.79E-09	3.76E-07
Methane, monochloro-, R-40	Air	high. pop.	kg	9.59E-19	3.65E-18		4.60E-18	2.51E-18	7.55E-19	7.53E-19	5.16E-18	9.18E-18
Methane, tetrachloro-, CFC-1	Air	high. pop.	kg	2.02E-14	2.47E-13		2.67E-13	2.82E-13	1.50E-14	5.91E-14	2.37E-13	5.93E-13
Methane, trichlorofluoro-, CFC	Air	high. pop.	kg	5.98E-19	2.71E-20		6.25E-19	1.11E-19	4.27E-20	1.65E-20	5.59E-20	2.26E-19
Methane, trifluoro-, HFC-23	Air	high. pop.	kg	1.01E-16	4.56E-18		1.05E-16	1.87E-17	7.21E-18	2.79E-18	9.43E-18	3.82E-17
Methanol	Air	high. pop.	kg	3.44E-10	2.36E-09		2.70E-09	4.36E-10	5.01E-11	3.44E-11	1.29E-10	6.49E-10
Molybdenum	Air	high. pop.	kg	1.10E-11	4.20E-11		5.30E-11	6.78E-12	1.55E-12	1.29E-12	4.53E-12	1.41E-11
Monoethanolamine	Air	high. pop.	kg	2.19E-14	9.68E-13		9.90E-13	1.03E-12	3.25E-13	2.44E-13	9.08E-13	2.51E-12
Nickel	Air	high. pop.	kg	4.40E-10	1.50E-09		1.94E-09	2.41E-10	5.58E-11	3.28E-11	1.24E-10	4.54E-10
Nitrate	Air	high. pop.	kg	1.13E-14	1.40E-13		1.51E-13	1.98E-13	4.64E-14	2.14E-12	9.68E-12	1.21E-11
Nitrogen oxides	Air	high. pop.	kg	1.62E-07	3.80E-06		3.96E-06	5.79E-07	1.66E-07	4.01E-08	1.27E-07	9.12E-07
NMVOC, non-methane volatil	Air	high. pop.	kg	1.14E-09	1.54E-08		1.66E-08	1.97E-07	7.01E-08	1.39E-09	4.15E-09	2.72E-07
Ozone	Air	high. pop.	kg	8.25E-12	5.83E-14		8.31E-12	9.98E-13	4.11E-13	4.19E-14	1.93E-13	1.64E-12
PAH, polycyclic aromatic hyd	Air	high. pop.	kg	2.80E-11	3.84E-10		4.12E-10	1.67E-11	2.39E-12	1.51E-12	4.77E-12	2.54E-11
Paraffins	Air	high. pop.	kg	2.90E-18	2.04E-16		2.07E-16	1.83E-16	5.84E-17	4.09E-17	1.55E-16	4.37E-16
Particulates, < 2.5 um	Air	high. pop.	kg	2.46E-08	6.77E-08		9.23E-08	2.84E-08	8.15E-09	3.96E-09	1.34E-08	5.39E-08
Particulates, > 10 um	Air	high. pop.	kg	7.08E-09	3.69E-08		4.39E-08	2.27E-08	7.01E-09	1.89E-09	6.28E-09	3.79E-08
Particulates, > 2.5 um, and <	Air	high. pop.	kg	3.50E-09	3.11E-08		3.46E-08	2.42E-08	8.78E-09	2.68E-09	8.44E-09	4.41E-08
Pentane	Air	high. pop.	kg	4.66E-09	6.15E-08		6.61E-08	5.75E-09	6.71E-10	4.68E-10	1.59E-09	8.48E-09
Phenol	Air	high. pop.	kg	2.78E-14	7.02E-13		7.29E-13	1.27E-12	2.77E-13	2.50E-12	1.01E-11	1.42E-11
Phenol, pentachloro-	Air	high. pop.	kg	1.14E-17	1.49E-16		1.60E-16	2.43E-16	8.41E-17	9.72E-17	2.99E-16	7.23E-16
Phosphorus	Air	high. pop.	kg	2.22E-13	2.30E-12		2.53E-12	6.73E-12	2.56E-12	7.44E-12	2.24E-11	3.92E-11
Platinum	Air	high. pop.	kg	6.88E-20	5.99E-19		6.68E-19	1.23E-18	3.10E-19	3.01E-19	9.82E-19	2.82E-18
Polonium-210	Air	high. pop.	Bq	2.77E-08	3.75E-07		4.03E-07	5.81E-06	2.38E-06	8.73E-06	2.62E-05	4.31E-05
Potassium	Air	high. pop.	kg	1.38E-11	1.18E-10		1.31E-10	2.51E-10	9.18E-11	1.92E-10	5.88E-10	1.12E-09
Potassium-40	Air	high. pop.	Bq	4.40E-09	5.94E-08		6.38E-08	9.22E-07	3.77E-07	1.38E-06	4.15E-06	6.83E-06
Propanal	Air	high. pop.	kg	1.08E-15	1.42E-14		1.53E-14	7.81E-15	5.31E-16	1.93E-15	6.86E-15	1.71E-14
Propane	Air	high. pop.	kg	1.62E-09	3.57E-08		3.73E-08	3.66E-09	3.47E-10	3.23E-10	1.07E-09	5.41E-09
Propene	Air	high. pop.	kg	5.01E-11	3.45E-10		3.96E-10	1.67E-10	2.72E-11	6.42E-11	2.03E-10	4.62E-10
Propionic acid	Air	high. pop.	kg	5.53E-11	7.54E-10		8.09E-10	3.20E-11	4.51E-12	2.82E-12	8.85E-12	4.82E-11
Propylene oxide	Air	high. pop.	kg	6.83E-14	5.22E-13		5.90E-13	3.80E-12	1.62E-13	8.78E-14	3.52E-13	4.40E-12
Radioactive species, other be	Air	high. pop.	Bq	5.17E-07	4.16E-06		4.68E-06	6.41E-05	9.31E-06	2.22E-06	7.80E-06	8.34E-05
Radium-226	Air	high. pop.	Bq	3.91E-09	5.28E-08		5.67E-08	8.23E-07	3.37E-07	1.23E-06	3.69E-06	6.08E-06
Radium-228	Air	high. pop.	Bq	2.12E-08	2.86E-07		3.07E-07	4.45E-06	1.82E-06	6.68E-06	2.00E-05	3.30E-05
Radon-220	Air	high. pop.	Bq	3.26E-10	4.42E-09		4.75E-09	6.84E-08	2.80E-08	1.02E-07	3.08E-07	5.06E-07
Radon-222	Air	high. pop.	Bq	3.26E-10	4.42E-09		4.75E-09	6.84E-08	2.80E-08	1.02E-07	3.08E-07	5.06E-07
Scandium	Air	high. pop.	kg	4.10E-16	5.55E-15		5.96E-15	8.64E-14	3.54E-14	1.29E-13	3.87E-13	6.38E-13
Selenium	Air	high. pop.	kg	8.22E-12	2.79E-11		3.62E-11	5.35E-12	1.31E-12	1.56E-12	5.15E-12	1.34E-11
Silicon	Air	high. pop.	kg	6.35E-12	9.04E-11		9.68E-11	1.10E-09	4.44E-10	1.63E-09	4.88E-09	8.05E-09
Silver	Air	high. pop.	kg	5.75E-19	5.48E-18		6.06E-18	9.92E-18	3.16E-18	3.02E-18	1.05E-17	2.66E-17
Sodium	Air	high. pop.	kg	5.14E-10	1.45E-09		1.97E-09	3.34E-10	8.55E-11	1.04E-10	3.43E-10	8.67E-10
Sodium chlorate	Air	high. pop.	kg	3.48E-14	3.97E-13		4.32E-13	1.97E-13	4.61E-14	2.47E-13	1.10E-12	1.60E-12
Sodium dichromate	Air	high. pop.	kg	4.81E-14	2.85E-13		3.33E-13	1.76E-13	5.48E-14	3.44E-14	1.13E-13	3.79E-13
Sodium formate	Air	high. pop.	kg	1.12E-16	1.00E-14		1.01E-14	3.66E-15	7.95E-16	1.90E-14	7.79E-14	1.01E-13
Strontium	Air	high. pop.	kg	6.20E-14	8.38E-13		8.99E-13	1.30E-11	5.31E-12	1.95E-11	5.85E-11	9.63E-11
Sulfate	Air	high. pop.	kg	1.04E-10	1.01E-09		1.11E-09	5.90E-10	1.31E-10	5.10E-10	1.94E-09	3.17E-09
Sulfur dioxide	Air	high. pop.	kg	2.85E-07	2.80E-06		3.08E-06	5.22E-07	1.64E-07	8.47E-08	2.73E-07	1.04E-06
t-Butyl methyl ether	Air	high. pop.	kg	3.43E-15	7.41E-13		7.44E-13	7.23E-14	1.25E-14	1.62E-14	5.81E-14	1.59E-13
Thallium	Air	high. pop.	kg	5.36E-16	7.41E-15		7.95E-15	1.08E-13	4.44E-14	1.62E-13	4.86E-13	8.01E-13
Thorium	Air	high. pop.	kg	6.19E-16	8.37E-15		8.99E-15	1.30E-13	5.31E-14	1.95E-13	5.85E-13	9.63E-13
Thorium-228	Air	high. pop.	Bq	1.79E-09	2.42E-08		2.60E-08	3.77E-07	1.54E-07	5.64E-07	1.69E-06	2.79E-06
Thorium-232	Air	high. pop.	Bq	1.14E-09	1.54E-08		1.65E-08	2.40E-07	9.82E-08	3.59E-07	1.08E-06	1.77E-06
Tin	Air	high. pop.	kg	1.27E-15	2.10E-14		2.23E-14	7.13E-14	2.78E-14	9.68E-14	2.79E-13	4.75E-13
Titanium	Air	high. pop.	kg	1.41E-13	2.01E-12		2.15E-12	2.68E-11	1.08E-11	3.89E-11	1.17E-10	1.93E-10
Toluene	Air	high. pop.	kg	7.23E-10	2.48E-09		3.21E-09	5.18E-10	7.78E-11	5.47E-11	1.82E-10	8.33E-10
Uranium	Air	high. pop.	kg	8.24E-16	1.12E-14		1.20E-14	1.73E-13	7.08E-14	2.59E-13	7.78E-13	1.28E-12
Uranium-238	Air	high. pop.	Bq	3.26E-09	4.41E-08		4.73E-08	6.84E-07	2.80E-07	1.02E-06	3.08E-06	5.06E-06
Vanadium	Air	high. pop.	kg	1.75E-09	5.39E-09		7.13E-09	9.09E-10	2.16E-10	1.22E-10	4.67E-10	1.71E-09
Xylene	Air	high. pop.	kg	9.83E-11	6.63E-10		7.61E-10	2.51E-10	2.54E-11	2.53E-11	8.49E-11	3.86E-10
Zinc	Air	high. pop.	kg	2.78E-11	1.35E-10		1.63E-10	5.23E-11	1.65E-11	7.92E-12	2.56E-11	1.02E-10
Acetone	Air	low. pop.	kg	6.12E-13	4.47E-12		5.08E-12	7.93E-12	2.75E-12	2.83E-12	8.78E-12	2.23E-11
Acrolein	Air	low. pop.	kg	7.55E-16	5.51E-15		6.26E-15	9.82E-15	3.41E-15	3.49E-15	1.08E-14	2.76E-14
Actinides, radioactive, unspe	Air	low. pop.	Bq	1.70E-12	1.23E-11		1.40E-11	2.25E-11	7.71E-12	7.96E-12	2.48E-11	6.30E-11
Aerosols, radioactive, unspec	Air	low. pop.	Bq	3.26E-08	2.33E-07		2.66E-07	4.34E-07	1.49E-07	1.53E-07	4.77E-07	1.21E-06
Aldehydes, unspecified	Air	low. pop.	kg	6.13E-14	4.46E-13		5.07E-13	8.24E-13	2.79E-13	2.87E-13	8.94E-13	2.28E-12
Aluminum	Air	low. pop.	kg	6.49E-13	9.47E-12		1.01E-11	6.31E-12	6.08E-13	3.95E-12	1.08E-11	2.17E-11
Ammonia	Air	low. pop.	kg	7.92E-11	6.66E-10		7.45E-10	1.18E-09	1.22E-10	1.45E-10	5.65E-10	2.01E-09
Antimony	Air	low. pop.	kg	1.20E-13	1.87E-12		1.98E-12	2.23E-12	6.34E-13	1.37E-10	5.90E-10	7.30E-10

			Ennoblissement			Ennoblissement	Confection				Confection
			Séchage	Consommation énergie	Rejets dans l'eau	TOTAL	Doublure	Bifil	Rivets	Boutons	TOTAL
Antimony-124	Air	low. pop.	Bq	1.79E-13	1.56E-12		1.74E-12	3.21E-12	8.08E-13	7.85E-13	2.56E-12	7.36E-12
Antimony-125	Air	low. pop.	Bq	1.87E-12	1.63E-11		1.81E-11	3.35E-11	8.45E-12	8.19E-12	2.67E-11	7.69E-11
Argon-41	Air	low. pop.	Bq	2.09E-05	1.54E-04		1.75E-04	2.72E-04	9.38E-05	9.66E-05	3.00E-04	7.62E-04
Arsenic	Air	low. pop.	kg	9.19E-13	1.49E-11		1.58E-11	1.75E-11	5.07E-12	1.07E-09	4.60E-09	5.69E-09
Barium	Air	low. pop.	kg	4.65E-13	3.39E-12		3.85E-12	8.19E-12	2.10E-12	2.21E-12	6.86E-12	1.94E-11
Barium-140	Air	low. pop.	Bq	1.22E-10	1.06E-09		1.18E-09	2.17E-09	5.48E-10	5.33E-10	1.74E-09	4.99E-09
Benzene	Air	low. pop.	kg	2.60E-11	1.94E-10		2.20E-10	3.96E-10	9.92E-11	1.07E-10	3.43E-10	9.45E-10
Benzo(a)pyrene	Air	low. pop.	kg	1.16E-13	8.66E-13		9.82E-13	1.47E-12	5.07E-13	5.34E-13	1.65E-12	4.17E-12
Beryllium	Air	low. pop.	kg	5.78E-16	9.56E-15		1.01E-14	1.04E-14	3.22E-15	3.44E-13	1.40E-12	1.75E-12
Boron	Air	low. pop.	kg	4.69E-11	3.36E-10		3.83E-10	6.43E-10	2.13E-10	2.22E-10	6.91E-10	1.77E-09
Bromine	Air	low. pop.	kg	2.87E-12	2.08E-11		2.37E-11	5.16E-11	1.30E-11	1.35E-11	4.20E-11	1.20E-10
Butadiene	Air	low. pop.	kg	1.80E-19	1.24E-18		1.42E-18	4.74E-19	4.27E-20	2.72E-20	9.81E-20	6.42E-19
Butane	Air	low. pop.	kg	7.19E-10	1.95E-08		2.02E-08	5.34E-10	6.71E-11	4.14E-11	1.32E-10	7.75E-10
Cadmium	Air	low. pop.	kg	2.61E-13	4.57E-12		4.83E-12	5.44E-12	1.43E-12	3.53E-10	1.54E-09	1.90E-09
Calcium	Air	low. pop.	kg	8.00E-14	1.23E-12		1.31E-12	2.59E-12	9.25E-14	4.94E-13	1.40E-12	4.57E-12
Carbon-14	Air	low. pop.	Bq	1.36E-04	9.91E-04		1.13E-03	1.85E-03	6.24E-04	6.41E-04	2.00E-03	5.11E-03
Carbon dioxide, biogenic	Air	low. pop.	kg	4.07E-09	1.75E-08		2.16E-08	1.87E-08	5.94E-09	6.90E-09	2.31E-08	5.47E-08
Carbon dioxide, fossil	Air	low. pop.	kg	1.06E-05	1.26E-04		1.37E-04	6.00E-05	1.31E-05	1.43E-05	4.59E-05	1.33E-04
Carbon disulfide	Air	low. pop.	kg	2.87E-11	5.35E-10		5.63E-10	6.96E-10	1.69E-10	2.44E-08	1.11E-07	1.36E-07
Carbon monoxide, biogenic	Air	low. pop.	kg	9.83E-10	3.51E-11		1.02E-09	1.38E-10	5.24E-11	1.62E-11	7.20E-11	2.79E-10
Carbon monoxide, fossil	Air	low. pop.	kg	1.98E-08	2.59E-07		2.78E-07	4.81E-08	6.31E-09	1.26E-08	4.27E-08	1.10E-07
Cerium-141	Air	low. pop.	Bq	2.95E-11	2.57E-10		2.87E-10	5.28E-10	1.33E-10	1.29E-10	4.22E-10	1.21E-09
Cesium-134	Air	low. pop.	Bq	1.42E-12	1.23E-11		1.37E-11	2.53E-11	6.38E-12	6.19E-12	2.02E-11	5.81E-11
Cesium-137	Air	low. pop.	Bq	2.51E-11	2.19E-10		2.44E-10	4.48E-10	1.13E-10	1.10E-10	3.58E-10	1.03E-09
Chlorine	Air	low. pop.	kg	1.71E-18	6.62E-17		6.80E-17	4.74E-17	9.08E-18	2.70E-17	1.18E-16	2.01E-16
Chromium	Air	low. pop.	kg	4.52E-12	6.25E-11		6.70E-11	2.99E-10	1.01E-10	5.06E-09	1.34E-08	1.88E-08
Chromium-51	Air	low. pop.	Bq	1.89E-12	1.65E-11		1.84E-11	3.38E-11	8.51E-12	8.27E-12	2.70E-11	7.76E-11
Chromium VI	Air	low. pop.	kg	1.15E-13	1.57E-12		1.69E-12	7.54E-12	2.55E-12	1.26E-10	3.33E-10	4.69E-10
Cobalt	Air	low. pop.	kg	1.98E-13	2.76E-12		2.96E-12	6.99E-12	1.49E-12	6.08E-11	1.64E-10	2.33E-10
Cobalt-58	Air	low. pop.	Bq	2.63E-12	2.29E-11		2.56E-11	4.72E-11	1.19E-11	1.15E-11	3.77E-11	1.08E-10
Cobalt-60	Air	low. pop.	Bq	2.33E-11	2.03E-10		2.26E-10	4.16E-10	1.05E-10	1.02E-10	3.32E-10	9.55E-10
Copper	Air	low. pop.	kg	3.32E-12	5.44E-11		5.77E-11	5.66E-11	1.71E-11	3.54E-09	1.49E-08	1.85E-08
Cyanide	Air	low. pop.	kg	9.64E-14	1.03E-12		1.13E-12	3.90E-12	1.33E-12	5.60E-11	1.48E-10	2.09E-10
Dinitrogen monoxide	Air	low. pop.	kg	1.59E-10	1.54E-09		1.69E-09	1.33E-09	2.81E-10	2.94E-10	9.39E-10	2.85E-09
Dioxins, measured as 2,3,7,8	Air	low. pop.	kg	2.26E-16	2.15E-15		2.38E-15	3.85E-15	1.06E-15	6.67E-14	2.87E-13	3.59E-13
Ethane	Air	low. pop.	kg	1.41E-08	2.69E-07		2.83E-07	9.73E-09	1.27E-09	7.70E-10	2.42E-09	1.42E-08
Ethane, 1,1,1,2-tetrafluoro-, H	Air	low. pop.	kg	3.28E-15	2.44E-14		2.77E-14	4.36E-14	1.47E-14	1.51E-14	4.71E-14	1.20E-13
Ethane, 1,2-dichloro-1,1,2,2-t	Air	low. pop.	kg	3.24E-14	2.41E-13		2.74E-13	4.30E-13	1.45E-13	1.49E-13	4.64E-13	1.19E-12
Ethanol	Air	low. pop.	kg	1.70E-14	1.27E-13		1.44E-13	2.26E-13	7.61E-14	7.83E-14	2.44E-13	6.24E-13
Ethene	Air	low. pop.	kg	1.39E-11	2.60E-11		3.99E-11	1.04E-11	2.22E-12	1.08E-11	2.96E-11	5.30E-11
Ethylene oxide	Air	low. pop.	kg	1.75E-18	1.20E-17		1.38E-17	4.59E-18	4.14E-19	2.64E-19	9.53E-19	6.22E-18
Ethyne	Air	low. pop.	kg	5.75E-14	8.29E-13		8.86E-13	2.82E-13	5.11E-14	3.44E-13	9.33E-13	1.61E-12
Fluorine	Air	low. pop.	kg	1.63E-13	2.92E-12		3.09E-12	3.40E-12	1.07E-12	1.25E-10	5.10E-10	6.39E-10
Formaldehyde	Air	low. pop.	kg	1.75E-12	2.78E-11		2.95E-11	4.20E-11	1.21E-11	1.03E-11	3.43E-11	9.88E-11
Heat, waste	Air	low. pop.	MJ	1.42E-04	1.56E-03		1.70E-03	8.24E-04	2.27E-04	3.30E-04	1.04E-03	2.42E-03
Helium	Air	low. pop.	kg	4.59E-11	3.23E-10		3.69E-10	1.51E-10	1.10E-11	8.62E-12	3.06E-11	2.01E-10
Hexane	Air	low. pop.	kg	1.32E-12	9.64E-12		1.10E-11	1.78E-11	6.01E-12	6.20E-12	1.93E-11	4.93E-11
Hydrocarbons, aliphatic, alka	Air	low. pop.	kg	8.37E-10	1.40E-08		1.48E-08	6.71E-10	1.00E-10	7.44E-11	2.33E-10	1.08E-09
Hydrocarbons, aliphatic, unsa	Air	low. pop.	kg	5.68E-12	4.25E-11		4.82E-11	9.45E-11	2.51E-11	2.62E-11	8.15E-11	2.27E-10
Hydrocarbons, aromatic	Air	low. pop.	kg	4.35E-10	7.30E-09		7.73E-09	3.00E-10	3.91E-11	2.51E-11	7.89E-11	4.43E-10
Hydrogen-3, Tritium	Air	low. pop.	Bq	7.86E-04	5.66E-03		6.44E-03	1.05E-02	3.57E-03	3.70E-03	1.15E-02	2.92E-02
Hydrogen chloride	Air	low. pop.	kg	2.22E-10	1.59E-09		1.81E-09	3.52E-09	9.78E-10	1.01E-09	3.17E-09	8.68E-09
Hydrogen fluoride	Air	low. pop.	kg	5.33E-11	3.88E-10		4.41E-10	9.46E-10	2.37E-10	2.46E-10	7.69E-10	2.20E-09
Hydrogen sulfide	Air	low. pop.	kg	2.06E-09	3.43E-08		3.63E-08	1.37E-09	1.67E-10	1.08E-10	3.35E-10	1.98E-09
Iodine	Air	low. pop.	kg	1.59E-12	1.15E-11		1.30E-11	2.68E-11	7.18E-12	7.45E-12	2.32E-11	6.46E-11
Iodine-129	Air	low. pop.	Bq	1.39E-07	9.95E-07		1.13E-06	1.85E-06	6.31E-07	6.49E-07	2.02E-06	5.15E-06
Iodine-131	Air	low. pop.	Bq	8.30E-06	6.12E-05		6.95E-05	1.07E-04	3.71E-05	3.83E-05	1.19E-04	3.01E-04
Iodine-133	Air	low. pop.	Bq	1.46E-10	1.27E-09		1.41E-09	2.61E-09	6.58E-10	6.37E-10	2.08E-09	5.98E-09
Iron	Air	low. pop.	kg	2.65E-07	3.82E-06		4.09E-06	1.30E-06	2.36E-07	1.59E-06	4.30E-06	7.42E-06
Krypton-85	Air	low. pop.	Bq	6.57E-05	4.83E-04		5.48E-04	8.51E-04	2.94E-04	3.02E-04	9.39E-04	2.39E-03
Krypton-85m	Air	low. pop.	Bq	2.80E-06	2.30E-05		2.58E-05	4.50E-05	1.26E-05	1.25E-05	4.01E-05	1.10E-04
Krypton-87	Air	low. pop.	Bq	1.18E-06	9.25E-06		1.04E-05	1.73E-05	5.34E-06	5.39E-06	1.70E-05	4.51E-05
Krypton-88	Air	low. pop.	Bq	1.14E-06	9.07E-06		1.02E-05	1.73E-05	5.11E-06	5.13E-06	1.63E-05	4.38E-05
Krypton-89	Air	low. pop.	Bq	2.71E-07	2.29E-06		2.56E-06	4.60E-06	1.22E-06	1.20E-06	3.87E-06	1.09E-05
Lanthanum-140	Air	low. pop.	Bq	1.04E-11	9.05E-11		1.01E-10	1.86E-10	4.71E-11	4.55E-11	1.49E-10	4.28E-10
Lead	Air	low. pop.	kg	3.49E-12	5.67E-11		6.02E-11	1.25E-10	2.34E-11	3.02E-09	1.56E-08	1.87E-08
Lead-210	Air	low. pop.	Bq	5.91E-07	4.22E-06		4.81E-06	1.48E-05	2.70E-06	2.81E-06	8.78E-06	2.91E-05
Magnesium	Air	low. pop.	kg	2.34E-13	3.43E-12		3.67E-12	3.03E-12	2.27E-13	1.48E-12	4.05E-12	8.79E-12
Manganese	Air	low. pop.	kg	4.82E-13	7.61E-12		8.09E-12	9.18E-12	2.75E-12	4.49E-10	1.90E-09	2.36E-09
Manganese-54	Air	low. pop.	Bq	9.68E-13	8.43E-12		9.40E-12	1.73E-11	4.37E-12	4.24E-12	1.38E-11	3.98E-11
Mercury	Air	low. pop.	kg	3.85E-13	4.38E-12		4.76E-12	2.99E-12	7.45E-13	2.71E-12	1.14E-10	1.20E-10
Methane, biogenic	Air	low. pop.	kg	8.56E-11	1.29E-09		1.37E-09	3.53E-10	7.24E-11	9.36E-11	3.29E-10	8.48E-10
Methane, bromochlorodifluor	Air	low. pop.	kg	4.34E-12	7.27E-11		7.70E-11	2.90E-12	3.61E-13	2.21E-13	6.92E-13	4.17E-12
Methane, bromotrifluoro-, Hal	Air	low. pop.	kg	6.37E-13	4.30E-12		4.93E-12	1.68E-12	1.48E-13	1.02E-13	3.66E-13	2.30E-12
Methane, chlorodifluoro-, HCl	Air	low. pop.	kg	1.49E-11	2.50E-10		2.65E-10	1.06E-11	1.46E-12	9.83E-13	3.08E-12	1.61E-11
Methane, dichlorodifluoro-, C	Air	low. pop.	kg	1.48E-14	2.50E-13		2.64E-13	1.03E-14	1.34E-15	8.60E-16	2.70E-15	1.52E-14
Methane, fossil	Air	low. pop.	kg	4.63E-07	8.25E-06		8.71E-06	4.97E-07	7.28E-08	8.14E-08	2.52E-07	9.03E-07
Methanol	Air	low. pop.	kg	2.39E-12	3.30E-11		3.54E-11	9.97E-10	3.94E-10	7.49E-12	3.15E-11	1.43E-09
Molybdenum	Air	low. pop.	kg	2.70E-14	1.92E-13		2.19E-13	4.03E-13	1.23E-13	1.28E-13	3.98E-13	1.05E-12
Nickel	Air	low. pop.	kg	5.20E-12	5.33E-11		5.85E-11	7.88E-11	1.15E-11	2.07E-09	8.83E-09	1.10E-08
Niobium-95	Air	low. pop.	Bq	1.15E-13	1.00E-12		1.12E-12	2.06E-12	5.17E-13	5.04E-13	1.64E-12	4.72E-12
Nitrogen oxides	Air	low. pop.	kg	4.23E-08	4.58E-07		5.01E-07	2.29E-07	2.66E-08	3.98E-08	1.34E-07	4.30E-07
NMVOC, non-methane volatil	Air	low. pop.	kg	6.13E-08	8.50E-07		9.11E-07	9.23E-08	9.25E-09	9.55E-09	3.07E-08	1.42E-07
Noble gases, radioactive, uns	Air	low. pop.	Bq	1.33E+00	9.57E+00		1.09E+01	1.77E+01	6.04E+00	6.24E+00	1.94E+01	4.95E+01
PAH, polycyclic aromatic hyd	Air	low. pop.	kg	5.44E-13	4.56E-12		5.10E-12	5.43E-12	4.74E-13	6.05E-13	2.34E-12	8.85E-12
Particulates, < 2.5 um	Air	low. pop.	kg	3.92E-09	4.58E-08		4.97E-08	2.85E-08	6.38E-09	1.16E-07	4.19E-07	5.69E-07
Particulates, > 10 um	Air	low. pop.	kg	8.96E-09	1.48E-07		1.57E-07	1.00E-07	2.20E-08	7.32E-08	2.53E-07	4.48E-07
Particulates, > 2.5 um, and <	Air	low. pop.	kg	5.49E-09	1.12E-07		1.17E-07	4.53E-08	8.41E-09	1.12E-07	4.25E-07	5.91E-07
Pentane	Air	low. pop.	kg	3.83E-12	2.83E-11		3.22E-11	6.40E-11	1.70E-11	1.76E-11	5.49E-11	1.54E-10
Phenol	Air	low. pop.	kg	1.34E-13	9.26E-12		9.40E-12	9.38E-12	3.01E-12	1.87E-12	7.09E-12	2.14E-11
Phenol, pentachloro-	Air	low. pop.	kg	4.98E-14	3.63E-13		4.13E-13	6.44E-13	2.23E-13	2.30E-13	7.14E-13	1.81E-12
Phosphorus	Air	low. pop.	kg	4.46E-15	5.95E-14		6.40E-14	2.72E-14	6.34E-15	2.57E-14	7.10E-14	1.30E-13
Plutonium-238	Air	low. pop.	Bq	1.88E-14	1.36E-13		1.55E-13	2.53E-13	8.61E-14	8.86E-14	2.76E-13	7.03E-13
Plutonium-alpha	Air	low. pop.	Bq	4.33E-14	3.11E-13		3.55E-13	5.79E-13	1.97E-13	2.03E-13	6.32E-13	1.61E-12
Polonium-210	Air	low. pop.	Bq	1.03E-06	7.36E-06		8.39E-06	2.24E-05	4.71E-06	4.90E-06	1.53E-05	4.73E-05

			Ennoblissement			Ennoblissement	Confection				Confection
			Séchage	Consommation énergie	Rejets dans l'eau	TOTAL	Doublure	Bifil	Rivets	Boutons	TOTAL
Potassium	Air	low. pop.	kg	7.80E-14	1.16E-12		1.24E-12	4.13E-13	7.55E-14	4.78E-13	1.33E-12	2.30E-12
Potassium-40	Air	low. pop.	Bq	1.20E-07	8.59E-07		9.78E-07	2.23E-06	5.48E-07	5.66E-07	1.76E-06	5.10E-06
Propane	Air	low. pop.	kg	4.20E-09	8.59E-08		9.01E-08	2.92E-09	3.67E-10	2.22E-10	7.01E-10	4.21E-09
Propene	Air	low. pop.	kg	5.32E-13	4.75E-12		5.28E-12	7.54E-12	1.96E-12	2.61E-12	7.84E-12	1.99E-11
Protactinium-234	Air	low. pop.	Bq	1.88E-08	1.37E-07		1.56E-07	2.53E-07	8.55E-08	8.80E-08	2.74E-07	7.00E-07
Radioactive species, other be	Air	low. pop.	Bq	9.66E-10	7.12E-09		8.08E-09	1.25E-08	4.31E-09	4.45E-09	1.38E-08	3.51E-08
Radium-226	Air	low. pop.	Bq	7.63E-07	5.55E-06		6.32E-06	1.94E-05	3.44E-06	3.59E-06	1.12E-05	3.77E-05
Radium-228	Air	low. pop.	Bq	4.45E-08	3.17E-07		3.61E-07	8.04E-07	2.04E-07	2.11E-07	6.58E-07	1.88E-06
Radon-222	Air	low. pop.	Bq	5.89E-02	4.31E-01		4.90E-01	7.83E-01	2.65E-01	2.72E-01	8.50E-01	2.17E+00
Ruthenium-103	Air	low. pop.	Bq	2.53E-14	2.20E-13		2.45E-13	4.52E-13	1.14E-13	1.11E-13	3.62E-13	1.04E-12
Scandium	Air	low. pop.	kg	1.50E-16	2.16E-15		2.31E-15	7.34E-16	1.33E-16	8.94E-16	2.42E-15	4.19E-15
Selenium	Air	low. pop.	kg	3.71E-13	3.49E-12		3.86E-12	5.91E-12	1.52E-12	1.10E-10	4.72E-10	5.89E-10
Silicon	Air	low. pop.	kg	1.11E-12	2.00E-11		2.11E-11	9.16E-12	1.71E-12	8.26E-12	2.67E-11	4.58E-11
Silicon tetrafluoride	Air	low. pop.	kg	3.05E-15	3.52E-14		3.82E-14	1.59E-14	3.51E-15	2.19E-14	9.87E-14	1.40E-13
Silver	Air	low. pop.	kg	2.24E-18	2.84E-17		3.07E-17	2.96E-16	1.14E-17	1.32E-17	4.65E-17	3.67E-16
Silver-110	Air	low. pop.	Bq	2.51E-13	2.18E-12		2.43E-12	4.48E-12	1.13E-12	1.10E-12	3.58E-12	1.03E-11
Sodium	Air	low. pop.	kg	3.88E-14	5.73E-13		6.12E-13	1.90E-13	3.44E-14	2.28E-13	6.20E-13	1.07E-12
Strontium	Air	low. pop.	kg	4.52E-13	3.25E-12		3.70E-12	8.13E-12	2.05E-12	2.16E-12	6.69E-12	1.90E-11
Styrene	Air	low. pop.	kg	6.34E-16	4.63E-15		5.26E-15	8.21E-15	2.84E-15	2.93E-15	9.09E-15	2.31E-14
Sulfur dioxide	Air	low. pop.	kg	1.20E-07	1.41E-06		1.53E-06	4.30E-07	7.38E-08	6.49E-07	2.80E-06	3.96E-06
Sulfur hexafluoride	Air	low. pop.	kg	5.30E-17	4.35E-16		4.88E-16	1.10E-15	3.57E-16	4.35E-16	1.50E-15	3.40E-15
Thallium	Air	low. pop.	kg	6.00E-17	7.08E-16		7.68E-16	4.71E-16	1.33E-16	3.28E-16	9.30E-16	1.86E-15
Thorium	Air	low. pop.	kg	1.50E-16	2.16E-15		2.31E-15	7.34E-16	1.33E-16	8.94E-16	2.42E-15	4.19E-15
Thorium-228	Air	low. pop.	Bq	2.40E-08	1.71E-07		1.95E-07	4.33E-07	1.10E-07	1.14E-07	3.54E-07	1.01E-06
Thorium-230	Air	low. pop.	Bq	7.53E-08	5.70E-07		6.46E-07	9.17E-06	3.24E-07	3.66E-07	1.20E-06	1.11E-05
Thorium-232	Air	low. pop.	Bq	3.78E-08	2.69E-07		3.07E-07	7.68E-07	1.73E-07	1.79E-07	5.59E-07	1.68E-06
Thorium-234	Air	low. pop.	Bq	1.88E-08	1.37E-07		1.56E-07	2.53E-07	8.55E-08	8.81E-08	2.75E-07	7.01E-07
Tin	Air	low. pop.	kg	1.71E-13	2.86E-12		3.04E-12	3.76E-12	1.19E-12	1.65E-10	6.62E-10	8.32E-10
Titanium	Air	low. pop.	kg	2.31E-14	3.33E-13		3.56E-13	1.13E-13	2.05E-14	1.38E-13	3.74E-13	6.45E-13
Toluene	Air	low. pop.	kg	4.71E-12	3.54E-11		4.01E-11	8.95E-11	1.45E-11	1.66E-11	5.62E-11	1.77E-10
Uranium	Air	low. pop.	kg	7.63E-17	1.10E-15		1.17E-15	3.73E-16	6.78E-17	4.56E-16	1.24E-15	2.13E-15
Uranium-234	Air	low. pop.	Bq	2.25E-07	1.66E-06		1.89E-06	1.12E-05	1.00E-06	1.07E-06	3.38E-06	1.66E-05
Uranium-235	Air	low. pop.	Bq	1.07E-08	7.75E-08		8.82E-08	1.43E-07	4.84E-08	4.99E-08	1.55E-07	3.97E-07
Uranium-238	Air	low. pop.	Bq	3.23E-07	2.36E-06		2.68E-06	1.29E-05	1.46E-06	1.53E-06	4.83E-06	2.07E-05
Uranium alpha	Air	low. pop.	Bq	1.03E-06	7.46E-06		8.48E-06	1.38E-05	4.67E-06	4.80E-06	1.50E-05	3.82E-05
Vanadium	Air	low. pop.	kg	1.61E-13	1.21E-12		1.37E-12	2.57E-12	7.38E-13	8.83E-12	3.71E-11	4.93E-11
water	Air	low. pop.	kg	1.17E-14	8.14E-14		9.31E-14	3.10E-14	2.80E-15	1.78E-15	6.44E-15	4.21E-14
Xenon-131m	Air	low. pop.	Bq	5.42E-06	4.26E-05		4.80E-05	8.01E-05	2.43E-05	2.44E-05	7.73E-05	2.06E-04
Xenon-133	Air	low. pop.	Bq	1.70E-04	1.35E-03		1.52E-03	2.57E-03	7.65E-04	7.66E-04	2.43E-03	6.54E-03
Xenon-133m	Air	low. pop.	Bq	7.80E-07	5.83E-06		6.61E-06	1.05E-05	3.51E-06	3.58E-06	1.12E-05	2.87E-05
Xenon-135	Air	low. pop.	Bq	6.99E-05	5.54E-04		6.24E-04	1.05E-03	3.14E-04	3.15E-04	1.00E-03	2.68E-03
Xenon-135m	Air	low. pop.	Bq	4.09E-05	3.26E-04		3.67E-04	6.24E-04	1.84E-04	1.84E-04	5.85E-04	1.58E-03
Xenon-137	Air	low. pop.	Bq	7.44E-07	6.29E-06		7.04E-06	1.26E-05	3.34E-06	3.29E-06	1.06E-05	2.98E-05
Xenon-138	Air	low. pop.	Bq	6.74E-06	5.56E-05		6.23E-05	1.09E-04	3.03E-05	3.00E-05	9.63E-05	2.66E-04
Xylene	Air	low. pop.	kg	2.58E-11	1.91E-10		2.17E-10	4.43E-10	1.09E-10	1.14E-10	3.58E-10	1.02E-09
Zinc	Air	low. pop.	kg	4.44E-12	6.70E-11		7.14E-11	1.55E-10	3.41E-11	2.08E-09	1.36E-08	1.59E-08
Zinc-65	Air	low. pop.	Bq	4.83E-12	4.21E-11		4.70E-11	8.65E-11	2.18E-11	2.11E-11	6.91E-11	1.98E-10
Zirconium	Air	low. pop.	kg	1.85E-15	2.66E-14		2.84E-14	9.03E-15	1.64E-15	1.10E-14	2.99E-14	5.16E-14
Zirconium-95	Air	low. pop.	Bq	4.73E-12	4.11E-11		4.59E-11	8.45E-11	2.13E-11	2.07E-11	6.76E-11	1.94E-10
Radon-222	Air	low. pop.	Bq	2.44E+00	1.77E+01		2.01E+01	3.27E+01	1.11E+01	1.14E+01	3.56E+01	9.08E+01
Benzene	Air	stratospl	kg	1.16E-18	7.99E-18		9.16E-18	3.05E-18	2.75E-19	1.75E-19	6.32E-19	4.13E-18
Butadiene	Air	stratospl	kg	1.10E-18	7.57E-18		8.67E-18	2.89E-18	2.60E-19	1.66E-19	5.98E-19	3.91E-18
Cadmium	Air	stratospl	kg	5.80E-22	4.01E-21		4.58E-21	1.53E-21	1.38E-22	8.76E-23	3.16E-22	2.07E-21
Carbon dioxide, fossil	Air	stratospl	kg	1.83E-13	1.26E-12		1.44E-12	4.81E-13	4.34E-14	2.76E-14	9.97E-14	6.52E-13
Carbon monoxide, fossil	Air	stratospl	kg	2.15E-16	1.48E-15		1.69E-15	5.65E-16	5.11E-17	3.24E-17	1.17E-16	7.65E-16
Chromium	Air	stratospl	kg	2.90E-21	2.00E-20		2.29E-20	7.62E-21	6.88E-22	4.37E-22	1.58E-21	1.03E-20
Copper	Air	stratospl	kg	9.86E-20	6.81E-19		7.80E-19	2.60E-19	2.34E-20	1.49E-20	5.38E-20	3.52E-19
Dinitrogen monoxide	Air	stratospl	kg	1.73E-18	1.20E-17		1.37E-17	4.58E-18	4.14E-19	2.62E-19	9.48E-19	6.20E-18
Ethylene oxide	Air	stratospl	kg	1.06E-17	7.34E-17		8.39E-17	2.80E-17	2.52E-18	1.61E-18	5.79E-18	3.79E-17
Formaldehyde	Air	stratospl	kg	9.10E-18	6.28E-17		7.19E-17	2.40E-17	2.16E-18	1.38E-18	4.97E-18	3.25E-17
Heat, waste	Air	stratospl	MJ	2.64E-12	1.82E-11		2.09E-11	6.95E-12	6.28E-13	3.99E-13	1.44E-12	9.42E-12
Hydrogen chloride	Air	stratospl	kg	4.98E-20	3.44E-19		3.94E-19	1.31E-19	1.19E-20	7.54E-21	2.72E-20	1.78E-19
Lead	Air	stratospl	kg	1.15E-21	7.99E-21		9.15E-21	3.05E-21	2.75E-22	1.75E-22	6.32E-22	4.13E-21
Mercury	Air	stratospl	kg	4.05E-24	2.80E-23		3.21E-23	1.07E-23	9.65E-25	6.12E-25	2.21E-24	1.45E-23
Methane, fossil	Air	stratospl	kg	2.90E-18	2.00E-17		2.29E-17	7.62E-18	6.88E-19	4.37E-19	1.58E-18	1.03E-17
Nickel	Air	stratospl	kg	4.05E-21	2.80E-20		3.21E-20	1.07E-20	9.65E-22	6.12E-22	2.21E-21	1.45E-20
Nitrogen oxides	Air	stratospl	kg	8.13E-16	5.62E-15		6.44E-15	2.14E-15	1.93E-16	1.23E-16	4.44E-16	2.90E-15
NMVOC, non-methane volatil	Air	stratospl	kg	3.89E-17	2.68E-16		3.07E-16	1.02E-16	9.25E-18	5.87E-18	2.12E-17	1.39E-16
Particulates, < 2.5 um	Air	stratospl	kg	2.20E-18	1.52E-17		1.74E-17	5.80E-18	5.24E-19	3.32E-19	1.20E-18	7.86E-18
Selenium	Air	stratospl	kg	5.80E-22	4.01E-21		4.58E-21	1.53E-21	1.38E-22	8.76E-23	3.16E-22	2.07E-21
Sulfur dioxide	Air	stratospl	kg	5.80E-17	4.01E-16		4.58E-16	1.53E-16	1.38E-17	8.76E-18	3.16E-17	2.07E-16
water	Air	stratospl	kg	7.17E-14	4.95E-13		5.67E-13	1.89E-13	1.70E-14	1.08E-14	3.91E-14	2.56E-13
Zinc	Air	stratospl	kg	5.80E-20	4.01E-19		4.58E-19	1.53E-19	1.38E-20	8.76E-21	3.16E-20	2.07E-19
Aluminum	Water		kg	6.45E-13	9.63E-12		1.03E-11	1.25E-12	1.54E-13	9.13E-12	2.36E-11	3.42E-11
AOX, Adsorbable Organic Ha	Water		kg	3.40E-15	4.56E-14	7.69E-08	7.69E-08	1.87E-12	7.41E-13	1.24E-14	5.27E-14	2.68E-12
Arsenic, ion	Water		kg	4.44E-12	6.22E-11		6.66E-11	1.94E-11	3.18E-12	2.64E-11	7.10E-11	1.20E-10
BOD5, Biological Oxygen De	Water		kg	6.72E-09	9.38E-08	3.94E-05	3.95E-05	2.96E-08	4.94E-09	4.07E-08	1.09E-07	1.84E-07
Cadmium, ion	Water		kg	4.60E-12	6.45E-11		6.91E-11	2.03E-11	3.29E-12	2.82E-11	7.57E-11	1.27E-10
Chloride	Water		kg	3.79E-07	5.66E-06		6.04E-06	5.34E-07	5.11E-08	7.23E-08	2.60E-07	9.18E-07
Chromium VI	Water		kg	4.47E-12	6.26E-11		6.70E-11	1.95E-11	3.20E-12	2.68E-11	7.19E-11	1.21E-10
Chromium, ion	Water		kg	5.90E-13	8.65E-12		9.24E-12	5.15E-12	4.61E-13	6.33E-12	1.68E-11	2.87E-11
COD, Chemical Oxygen Dem	Water		kg	6.72E-09	9.39E-08	1.60E-04	1.60E-04	3.02E-08	5.17E-09	4.07E-08	1.09E-07	1.85E-07
Copper, ion	Water		kg	2.25E-11	3.16E-10		3.38E-10	1.03E-10	1.63E-11	1.36E-10	3.65E-10	6.21E-10
Cyanide	Water		kg	4.44E-11	6.22E-10		6.66E-10	1.94E-10	3.18E-11	2.64E-10	7.10E-10	1.20E-09
DOC, Dissolved Organic Carl	Water		kg	2.62E-09	3.68E-08		3.94E-08	1.19E-08	2.06E-09	1.58E-08	4.26E-08	7.24E-08
Fluoride	Water		kg	1.87E-12	2.16E-11		2.35E-11	9.72E-12	2.15E-12	1.34E-11	6.07E-11	8.60E-11
Formaldehyde	Water		kg	3.40E-13	4.56E-12		4.90E-12	1.87E-10	7.41E-11	1.24E-12	5.27E-12	2.68E-10
Heat, waste	Water		MJ	4.52E-09	4.67E-08		5.12E-08	1.08E-06	3.13E-07	1.59E-08	6.45E-08	1.47E-06
Hydrocarbons, unspecified	Water		kg	1.97E-12	2.93E-11	1.54E-07	1.54E-07	6.45E-12	1.10E-12	2.19E-11	5.75E-11	8.69E-11
Iron, ion	Water		kg	3.26E-10	4.72E-09		5.04E-09	9.38E-10	1.39E-10	1.02E-09	2.79E-09	4.89E-09
Lead	Water		kg	9.22E-12	1.29E-10		1.38E-10	4.18E-11	6.64E-12	5.65E-11	1.52E-10	2.56E-10
Manganese	Water		kg	6.37E-13	9.52E-12		1.02E-11	2.09E-12	3.54E-13	7.09E-12	1.87E-11	2.82E-11
Mercury	Water		kg	4.75E-13	6.68E-12		7.16E-12	2.04E-12	3.34E-13	3.00E-12	8.03E-12	1.34E-11
Methanol	Water		kg	1.02E-13	1.37E-12		1.47E-12	5.62E-11	2.22E-11	3.72E-13	1.58E-12	8.04E-11
Nickel, ion	Water		kg	2.32E-11	3.24E-10		3.48E-10	1.03E-10	1.65E-11	1.42E-10	3.82E-10	6.43E-10

			Ennoblissement			Ennobliss ement	Confection				Confection
			Séchage	Consommation énergie	Rejets dans l'eau	TOTAL	Doublure	Bifil	Rivets	Boutons	TOTAL
Oils, unspecified	Water	kg	4.66E-10	6.45E-09		6.92E-09	2.06E-09	3.24E-10	2.65E-09	7.15E-09	1.22E-08
Phenol	Water	kg	3.40E-14	4.56E-13		4.90E-13	1.87E-11	7.41E-12	1.24E-13	5.27E-13	2.68E-11
Phosphorus	Water	kg	3.40E-14	4.58E-13		4.92E-13	1.87E-11	7.41E-12	1.25E-13	5.29E-13	2.68E-11
Sodium, ion	Water	kg	2.99E-10	3.36E-09		3.66E-09	4.41E-08	1.54E-09	9.52E-10	3.88E-09	5.05E-08
Sulfate	Water	kg	2.44E-12	3.65E-11		3.89E-11	3.45E-12	3.29E-13	4.66E-13	1.68E-12	5.92E-12
Suspended solids, unspecifie	Water	kg	1.67E-10	2.49E-09		2.66E-09	6.00E-10	1.11E-10	1.86E-09	4.90E-09	7.47E-09
TOC, Total Organic Carbon	Water	kg	2.62E-09	3.68E-08		3.94E-08	1.19E-08	2.06E-09	1.58E-08	4.26E-08	7.24E-08
Zinc, ion	Water	kg	9.17E-11	1.27E-09		1.36E-09	6.85E-10	7.68E-11	5.39E-10	1.46E-09	2.76E-09
Aluminum	Water	groundw kg	4.88E-12	3.65E-11		4.14E-11	6.88E-11	2.24E-11	2.63E-11	8.12E-11	1.99E-10
Ammonium, ion	Water	groundw kg	7.59E-13	6.63E-12	1.35E-07	1.35E-07	1.51E-11	3.77E-12	7.11E-12	2.15E-11	4.74E-11
Antimony	Water	groundw kg	4.97E-13	3.55E-12		4.04E-12	6.55E-12	2.29E-12	2.36E-12	7.33E-12	1.85E-11
Arsenic, ion	Water	groundw kg	2.35E-12	1.69E-11		1.93E-11	3.07E-11	1.07E-11	1.10E-11	3.42E-11	8.66E-11
Barium	Water	groundw kg	9.78E-13	7.11E-12		8.09E-12	1.31E-11	4.44E-12	4.58E-12	1.43E-11	3.64E-11
Beryllium	Water	groundw kg	7.08E-16	5.10E-15		5.81E-15	9.28E-15	3.23E-15	3.33E-15	1.04E-14	2.62E-14
BOD5, Biological Oxygen De	Water	groundw kg	1.51E-13	1.32E-12		1.47E-12	3.01E-12	7.55E-13	1.42E-12	4.29E-12	9.48E-12
Boron	Water	groundw kg	1.15E-12	8.42E-12		9.57E-12	1.51E-11	5.24E-12	5.42E-12	1.68E-11	4.26E-11
Bromine	Water	groundw kg	1.10E-12	8.00E-12		9.10E-12	1.44E-11	5.01E-12	5.16E-12	1.60E-11	4.06E-11
Cadmium, ion	Water	groundw kg	5.28E-16	3.86E-15		4.39E-15	7.17E-15	2.40E-15	2.54E-15	7.92E-15	2.00E-14
Calcium, ion	Water	groundw kg	5.42E-12	3.95E-11		4.49E-11	7.04E-11	2.44E-11	2.54E-11	7.94E-11	2.00E-10
Chloride	Water	groundw kg	8.99E-09	7.95E-08		8.85E-08	1.79E-07	4.54E-08	8.97E-08	2.71E-07	5.85E-07
Chlorine	Water	groundw kg	5.54E-13	4.03E-12		4.58E-12	7.45E-12	2.52E-12	2.59E-12	8.08E-12	2.06E-11
Chromium VI	Water	groundw kg	9.53E-13	6.87E-12		7.82E-12	1.25E-11	4.34E-12	4.48E-12	1.39E-11	3.52E-11
Chromium, ion	Water	groundw kg	1.39E-13	1.01E-12		1.15E-12	1.87E-12	6.31E-13	6.50E-13	2.03E-12	5.17E-12
Cobalt	Water	groundw kg	7.90E-15	5.71E-14		6.50E-14	1.05E-13	3.61E-14	3.72E-14	1.16E-13	2.94E-13
COD, Chemical Oxygen Dem	Water	groundw kg	1.51E-13	1.32E-12		1.47E-12	3.01E-12	7.55E-13	1.42E-12	4.29E-12	9.48E-12
Copper, ion	Water	groundw kg	4.74E-14	3.47E-13		3.94E-13	6.47E-13	2.16E-13	2.29E-13	7.12E-13	1.80E-12
Fluoride	Water	groundw kg	2.74E-12	2.32E-11		2.60E-11	5.13E-11	1.34E-11	2.34E-11	7.11E-11	1.59E-10
Iodide	Water	groundw kg	1.41E-13	1.02E-12		1.16E-12	1.84E-12	6.38E-13	6.57E-13	2.04E-12	5.17E-12
Iron, ion	Water	groundw kg	2.37E-09	1.71E-08		1.95E-08	3.10E-08	1.08E-08	1.11E-08	3.45E-08	8.73E-08
Lead	Water	groundw kg	3.52E-16	3.00E-15		3.35E-15	6.68E-15	1.74E-15	3.08E-15	9.31E-15	2.08E-14
Lead-210	Water	groundw Bq	9.72E-10	1.13E-08		1.22E-08	5.07E-09	1.12E-09	7.01E-09	3.16E-08	4.48E-08
Magnesium	Water	groundw kg	1.00E-12	7.30E-12		8.31E-12	1.31E-11	4.54E-12	4.70E-12	1.46E-11	3.69E-11
Manganese	Water	groundw kg	1.15E-12	9.93E-12		1.11E-11	2.23E-11	5.71E-12	1.04E-11	3.14E-11	6.98E-11
Mercury	Water	groundw kg	1.41E-18	1.03E-17		1.17E-17	1.83E-17	6.34E-18	6.55E-18	2.04E-17	5.15E-17
Molybdenum	Water	groundw kg	2.57E-12	1.85E-11		2.10E-11	3.38E-11	1.18E-11	1.22E-11	3.78E-11	9.56E-11
Nickel, ion	Water	groundw kg	8.53E-14	7.32E-13		8.18E-13	1.63E-12	4.21E-13	7.58E-13	2.30E-12	5.11E-12
Nitrate	Water	groundw kg	1.42E-11	3.09E-10		3.24E-10	1.60E-07	3.77E-11	1.71E-10	7.40E-10	1.61E-07
Phosphate	Water	groundw kg	1.03E-13	9.04E-13		1.01E-12	5.52E-08	4.24E-13	5.75E-13	2.00E-12	5.52E-08
Polonium-210	Water	groundw Bq	1.48E-09	1.71E-08		1.86E-08	7.72E-09	1.71E-09	1.07E-08	4.80E-08	6.81E-08
Potassium-40	Water	groundw Bq	1.17E-10	1.36E-09		1.48E-09	6.13E-10	1.36E-10	8.47E-10	3.82E-09	5.42E-09
Potassium, ion	Water	groundw kg	2.38E-10	1.73E-09		1.97E-09	6.81E-08	1.08E-09	1.11E-09	3.45E-09	7.37E-08
Radium-226	Water	groundw Bq	1.09E-09	1.26E-08		1.37E-08	5.69E-09	1.26E-09	7.87E-09	3.54E-08	5.03E-08
Rubidium	Water	groundw kg	1.34E-14	9.79E-14		1.11E-13	1.81E-13	6.11E-14	6.30E-14	1.96E-13	5.01E-13
Scandium	Water	groundw kg	9.92E-14	7.22E-13		8.21E-13	1.30E-12	4.51E-13	4.64E-13	1.44E-12	3.65E-12
Selenium	Water	groundw kg	2.70E-13	1.94E-12		2.21E-12	3.54E-12	1.23E-12	1.27E-12	3.95E-12	1.00E-11
Silicon	Water	groundw kg	1.90E-10	1.38E-09		1.57E-09	2.48E-09	8.61E-10	8.90E-10	2.76E-09	7.00E-09
Silver, ion	Water	groundw kg	6.03E-16	4.38E-15		4.98E-15	8.09E-15	2.74E-15	2.82E-15	8.80E-15	2.25E-14
Sodium, ion	Water	groundw kg	4.38E-10	3.18E-09		3.62E-09	5.72E-09	1.99E-09	2.05E-09	6.37E-09	1.61E-08
Solids, inorganic	Water	groundw kg	5.23E-09	3.78E-08		4.30E-08	6.84E-08	2.37E-08	2.46E-08	7.63E-08	1.93E-07
Solved solids	Water	groundw kg	1.62E-10	1.42E-09		1.58E-09	3.24E-09	8.11E-10	1.53E-09	4.61E-09	1.02E-08
Strontium	Water	groundw kg	3.87E-12	3.38E-11		3.77E-11	7.65E-11	1.93E-11	3.59E-11	1.09E-10	2.40E-10
Sulfate	Water	groundw kg	9.90E-09	7.22E-08		8.21E-08	1.32E-07	4.51E-08	4.84E-08	1.50E-07	3.76E-07
Thallium	Water	groundw kg	2.13E-17	1.54E-16		1.75E-16	2.77E-16	9.62E-17	9.92E-17	3.08E-16	7.80E-16
Thorium-228	Water	groundw Bq	1.20E-11	1.38E-10		1.50E-10	6.22E-11	1.38E-11	8.60E-11	3.87E-10	5.48E-10
Tin, ion	Water	groundw kg	3.91E-16	3.29E-15		3.68E-15	7.18E-15	1.91E-15	3.26E-15	9.87E-15	2.22E-14
Titanium, ion	Water	groundw kg	6.66E-13	4.83E-12		5.50E-12	8.92E-12	3.03E-12	3.11E-12	9.71E-12	2.48E-11
Tungsten	Water	groundw kg	2.76E-13	2.01E-12		2.29E-12	3.61E-12	1.25E-12	1.29E-12	4.02E-12	1.02E-11
Uranium-238	Water	groundw Bq	4.99E-10	5.78E-09		6.28E-09	2.60E-09	5.74E-10	3.59E-09	1.62E-08	2.29E-08
Vanadium, ion	Water	groundw kg	3.52E-13	2.55E-12		2.90E-12	4.70E-12	1.60E-12	1.65E-12	5.14E-12	1.31E-11
Zinc, ion	Water	groundw kg	1.77E-13	1.39E-12		1.57E-12	2.86E-12	8.35E-13	1.18E-12	3.60E-12	8.47E-12
Aluminum	Water	groundw kg	7.29E-09	5.24E-08		5.97E-08	8.43E-08	2.89E-08	3.27E-08	1.00E-07	2.46E-07
Ammonium, ion	Water	groundw kg	9.87E-12	1.77E-10		1.87E-10	1.89E-11	2.94E-12	2.74E-12	1.00E-11	3.46E-11
Antimony	Water	groundw kg	1.34E-12	1.62E-11		1.75E-11	4.36E-10	1.80E-10	1.26E-11	3.71E-11	6.65E-10
Arsenic, ion	Water	groundw kg	6.65E-13	4.85E-12		5.51E-12	1.18E-12	3.54E-13	1.92E-13	7.62E-13	2.49E-12
Barium	Water	groundw kg	7.57E-11	5.98E-10		6.74E-10	9.96E-10	3.44E-10	3.56E-10	1.10E-09	2.79E-09
Beryllium	Water	groundw kg	5.32E-13	3.92E-12		4.46E-12	7.92E-12	2.63E-12	3.24E-12	1.00E-11	2.38E-11
BOD5, Biological Oxygen De	Water	groundw kg	2.58E-09	3.79E-08		4.05E-08	3.78E-08	1.37E-08	5.66E-08	1.60E-07	2.68E-07
Boron	Water	groundw kg	1.02E-10	7.69E-10		8.71E-10	1.39E-09	4.81E-10	4.65E-10	1.44E-09	3.78E-09
Bromine	Water	groundw kg	5.92E-13	7.35E-12		7.94E-12	1.25E-10	5.01E-11	6.77E-12	2.19E-11	2.03E-10
Cadmium, ion	Water	groundw kg	5.58E-13	5.36E-12		5.92E-12	7.00E-12	2.55E-12	2.57E-12	7.34E-12	1.95E-11
Calcium, ion	Water	groundw kg	5.14E-08	2.57E-07		3.09E-07	2.63E-07	8.58E-08	1.19E-07	3.63E-07	8.31E-07
Chloride	Water	groundw kg	1.89E-09	2.14E-08		2.33E-08	3.37E-06	1.95E-09	2.04E-09	5.72E-09	3.38E-06
Chromium VI	Water	groundw kg	9.88E-11	1.31E-09		1.41E-09	9.56E-10	2.86E-10	9.52E-10	2.60E-09	4.80E-09
Cobalt	Water	groundw kg	1.90E-11	2.42E-10		2.61E-10	4.16E-10	1.35E-10	5.29E-09	1.49E-08	2.08E-08
COD, Chemical Oxygen Dem	Water	groundw kg	7.39E-09	1.04E-07		1.11E-07	1.14E-07	4.17E-08	1.73E-07	4.88E-07	8.16E-07
Copper, ion	Water	groundw kg	2.31E-11	4.11E-10		4.34E-10	1.73E-09	6.11E-10	1.66E-09	4.58E-09	8.59E-09
DOC, Dissolved Organic Carl	Water	groundw kg	3.56E-09	5.29E-08		5.64E-08	4.63E-08	1.67E-08	6.85E-08	1.94E-07	3.25E-07
Fluoride	Water	groundw kg	8.51E-11	1.07E-09		1.16E-09	2.55E-09	8.48E-10	3.61E-10	1.44E-09	5.20E-09
Heat, waste	Water	groundw MJ	2.03E-07	3.60E-06		3.81E-06	3.73E-07	5.58E-08	5.28E-08	1.91E-07	6.73E-07
Hydrogen sulfide	Water	groundw kg	8.01E-11	7.79E-10		8.59E-10	9.07E-11	2.11E-11	1.02E-11	4.71E-11	1.69E-10
Iodide	Water	groundw kg	1.17E-17	1.69E-16		1.81E-16	4.29E-17	7.75E-18	1.12E-17	4.08E-17	1.03E-16
Iron, ion	Water	groundw kg	2.96E-09	2.44E-08		2.73E-08	3.95E-08	1.36E-08	8.15E-08	2.30E-07	3.65E-07
Lead	Water	groundw kg	1.36E-11	1.29E-10		1.42E-10	1.50E-10	5.48E-11	6.09E-11	1.70E-10	4.35E-10
Magnesium	Water	groundw kg	2.52E-09	2.09E-08		2.34E-08	8.36E-08	1.09E-08	1.31E-08	3.99E-08	1.47E-07
Manganese	Water	groundw kg	8.76E-11	6.52E-10		7.39E-10	5.80E-10	1.87E-10	4.15E-10	1.19E-09	2.37E-09
Mercury	Water	groundw kg	2.20E-13	3.25E-12		3.47E-12	3.04E-12	1.11E-12	1.92E-12	5.09E-12	1.12E-11
Molybdenum	Water	groundw kg	2.39E-14	3.26E-13		3.50E-13	5.71E-13	2.01E-13	3.44E-13	1.04E-12	2.15E-12
Nickel, ion	Water	groundw kg	1.22E-10	2.06E-09		2.18E-09	1.82E-09	5.61E-10	1.97E-08	5.55E-08	7.76E-08
Nitrate	Water	groundw kg	7.67E-12	1.41E-10		1.48E-10	2.98E-10	3.64E-11	3.14E-11	1.04E-10	4.70E-10
Nitrite	Water	groundw kg	5.36E-13	9.63E-12		1.02E-11	1.03E-12	1.60E-13	1.49E-13	5.46E-13	1.88E-12
Nitrogen, organic bound	Water	groundw kg	1.61E-11	2.89E-10		3.05E-10	3.08E-11	4.81E-12	4.48E-12	1.64E-11	5.65E-11
Phosphate	Water	groundw kg	5.56E-10	7.80E-09		8.35E-09	6.06E-09	1.96E-09	4.32E-09	1.18E-08	2.42E-08
Potassium, ion	Water	groundw kg	5.74E-10	6.04E-09		6.61E-09	6.92E-08	1.02E-08	3.10E-09	9.33E-09	9.19E-08
Scandium	Water	groundw kg	6.41E-13	4.77E-12		5.41E-12	1.44E-11	4.27E-12	8.21E-12	2.49E-11	5.18E-11
Selenium	Water	groundw kg	4.99E-13	3.99E-12		4.49E-12	1.35E-11	5.01E-12	3.62E-12	1.13E-11	3.34E-11

				Ennoblissement				Ennobliss ement	Confection				Confection
				Séchage	Consommation énergie	Rejets dans l'eau	TOTAL		Doublure	Bifil	Rivets	Boutons	TOTAL
Silicon	Water	groundw	kg	5.26E-08	5.38E-07		5.90E-07		1.26E-06	4.21E-07	4.75E-06	1.35E-05	2.00E-05
Silver, ion	Water	groundw	kg	4.94E-15	9.41E-14		9.90E-14		6.63E-13	2.61E-13	6.96E-14	1.88E-13	1.18E-12
Sodium, ion	Water	groundw	kg	2.24E-09	2.02E-08		2.24E-08		1.74E-06	7.61E-09	6.06E-09	1.96E-08	1.77E-06
Strontium	Water	groundw	kg	5.88E-11	4.50E-10		5.09E-10		8.50E-10	2.82E-10	3.43E-10	1.06E-09	2.54E-09
Sulfate	Water	groundw	kg	1.83E-08	1.54E-07		1.73E-07		1.49E-06	8.38E-08	7.31E-08	2.27E-07	1.88E-06
Thallium	Water	groundw	kg	9.19E-14	6.73E-13		7.64E-13		1.21E-12	3.64E-13	6.60E-13	2.02E-12	4.26E-12
Tin, ion	Water	groundw	kg	2.50E-12	2.86E-11		3.11E-11		5.19E-11	1.96E-11	3.83E-11	1.05E-10	2.15E-10
Titanium, ion	Water	groundw	kg	1.89E-10	2.08E-09		2.27E-09		2.85E-09	7.45E-10	1.52E-09	5.38E-09	1.05E-08
TOC, Total Organic Carbon	Water	groundw	kg	3.56E-09	5.29E-08		5.64E-08		4.63E-08	1.67E-08	6.85E-08	1.94E-07	3.25E-07
Tungsten	Water	groundw	kg	5.68E-13	4.15E-12		4.72E-12		9.09E-12	2.86E-12	3.75E-12	1.15E-11	2.73E-11
Vanadium, ion	Water	groundw	kg	3.85E-11	6.58E-10		6.96E-10		3.58E-10	9.98E-11	2.71E-10	7.86E-10	1.51E-09
Zinc, ion	Water	groundw	kg	5.56E-11	5.98E-10		6.54E-10		1.85E-09	3.41E-10	1.87E-10	5.65E-10	2.94E-09
Calcium, ion	Water	lake	kg	2.43E-11	3.38E-10		3.62E-10		2.00E-09	1.76E-10	5.85E-11	5.18E-08	5.41E-08
DOC, Dissolved Organic Carl	Water	lake	kg	1.05E-13	1.41E-12		1.51E-12		2.02E-09	8.61E-10	2.50E-13	1.11E-12	2.88E-09
Acenaphthene	Water	ocean	kg	2.46E-15	1.66E-14		1.90E-14		5.43E-15	5.58E-16	3.45E-16	1.25E-15	7.58E-15
Acenaphthylene	Water	ocean	kg	1.54E-16	1.04E-15		1.19E-15		3.39E-16	3.47E-17	2.16E-17	7.83E-17	4.73E-16
Actinides, radioactive, unspe	Water	ocean	Bq	2.24E-07	1.62E-06		1.84E-06		3.01E-06	1.02E-06	1.05E-06	3.28E-06	8.37E-06
Aluminum	Water	ocean	kg	3.35E-10	4.96E-09		5.29E-09		3.43E-10	3.81E-11	2.37E-11	7.95E-11	4.84E-10
Ammonium, ion	Water	ocean	kg	2.74E-11	1.90E-10		2.17E-10		9.53E-11	7.55E-12	4.91E-12	1.75E-11	1.25E-10
AOX, Adsorbable Organic Ha	Water	ocean	kg	1.58E-13	1.23E-12		1.39E-12		3.36E-13	3.37E-14	2.09E-14	7.54E-14	4.66E-13
Arsenic, ion	Water	ocean	kg	5.84E-13	7.09E-12		7.67E-12		8.90E-13	1.12E-13	2.31E-13	9.89E-13	2.22E-12
Barite	Water	ocean	kg	1.71E-08	2.45E-07		2.62E-07		1.80E-08	2.05E-09	1.27E-09	4.28E-09	2.56E-08
Barium	Water	ocean	kg	3.46E-10	2.32E-09		2.66E-09		7.60E-10	7.81E-11	4.84E-11	1.76E-10	1.06E-09
Benzene	Water	ocean	kg	3.29E-11	2.23E-10		2.56E-10		7.20E-11	7.41E-12	4.59E-12	1.67E-11	1.01E-10
Benzene, ethyl-	Water	ocean	kg	9.51E-12	6.40E-11		7.35E-11		2.09E-11	2.15E-12	1.33E-12	4.83E-12	2.92E-11
BOD5, Biological Oxygen De	Water	ocean	kg	4.65E-08	3.78E-07		4.24E-07		9.73E-08	9.62E-09	8.01E-09	2.71E-08	1.42E-07
Boron	Water	ocean	kg	3.24E-12	2.18E-11		2.50E-11		7.13E-12	7.35E-13	4.58E-13	1.66E-12	9.99E-12
Bromine	Water	ocean	kg	2.77E-10	1.86E-09		2.13E-09		6.10E-10	6.28E-11	3.88E-11	1.41E-10	8.52E-10
Cadmium, ion	Water	ocean	kg	1.41E-13	1.23E-12		1.38E-12		2.91E-13	3.67E-14	8.38E-14	3.63E-13	7.75E-13
Calcium, ion	Water	ocean	kg	1.27E-08	8.78E-08		1.00E-07		2.93E-08	3.29E-09	4.88E-09	2.05E-08	5.80E-08
Carboxylic acids, unspecified	Water	ocean	kg	2.38E-09	1.76E-08		2.00E-08		5.00E-09	5.17E-10	3.20E-10	1.16E-09	7.00E-09
Cesium	Water	ocean	kg	3.97E-13	2.67E-12		3.07E-12		8.72E-13	8.95E-14	5.55E-14	2.02E-13	1.22E-12
Cesium-137	Water	ocean	Bq	2.57E-05	1.85E-04		2.11E-04		3.45E-04	1.18E-04	1.21E-04	3.76E-04	9.59E-04
Chloride	Water	ocean	kg	1.99E-07	1.34E-06		1.54E-06		4.38E-07	4.51E-08	2.78E-08	1.01E-07	6.12E-07
Chlorinated solvents, unspec	Water	ocean	kg	4.18E-22	3.39E-21		3.81E-21		8.28E-21	2.69E-21	3.25E-21	1.11E-20	2.53E-20
Chromium, ion	Water	ocean	kg	2.17E-12	1.60E-11		1.81E-11		4.36E-12	4.64E-13	3.07E-13	1.13E-12	6.26E-12
Cobalt	Water	ocean	kg	7.75E-16	5.58E-15		6.35E-15		1.04E-14	3.54E-15	3.64E-15	1.13E-14	2.89E-14
COD, Chemical Oxygen Dem	Water	ocean	kg	4.69E-08	3.80E-07		4.26E-07		9.85E-08	9.68E-09	8.07E-09	2.73E-08	1.44E-07
Copper, ion	Water	ocean	kg	1.13E-12	1.51E-11		1.63E-11		1.35E-12	1.53E-13	1.15E-13	4.16E-13	2.03E-12
Cyanide	Water	ocean	kg	1.40E-12	9.41E-12		1.08E-11		3.09E-12	3.17E-13	1.98E-13	7.20E-13	4.32E-12
DOC, Dissolved Organic Carl	Water	ocean	kg	1.52E-08	1.21E-07		1.36E-07		3.20E-08	3.19E-09	2.54E-09	8.69E-09	4.65E-08
Fluoride	Water	ocean	kg	4.47E-11	3.22E-10		3.67E-10		1.12E-10	1.43E-11	3.82E-11	1.67E-10	3.32E-10
Glutaraldehyde	Water	ocean	kg	2.13E-12	3.02E-11		3.23E-11		2.23E-12	2.54E-13	1.57E-13	5.28E-13	3.16E-12
Hydrocarbons, aliphatic, alka	Water	ocean	kg	5.15E-11	3.47E-10		3.98E-10		1.13E-10	1.17E-11	7.21E-12	2.62E-11	1.58E-10
Hydrocarbons, aliphatic, unsa	Water	ocean	kg	4.76E-12	3.20E-11		3.68E-11		1.05E-11	1.08E-12	6.66E-13	2.42E-12	1.46E-11
Hydrocarbons, aromatic	Water	ocean	kg	2.36E-10	1.77E-09		2.01E-09		4.91E-10	5.07E-11	3.15E-11	1.14E-10	6.87E-10
Hydrocarbons, unspecified	Water	ocean	kg	3.22E-10	4.56E-09		4.88E-09		3.38E-10	3.87E-11	2.39E-11	8.04E-11	4.81E-10
Hydrogen-3, Tritium	Water	ocean	Bq	5.34E-02	3.85E-01		4.38E-01		7.15E-01	2.44E-01	2.51E-01	7.82E-01	1.99E+00
Hypochlorite	Water	ocean	kg	2.15E-12	1.69E-09		1.70E-09		8.22E-11	9.85E-12	1.02E-11	3.16E-11	1.34E-10
Iodide	Water	ocean	kg	3.97E-11	2.67E-10		3.07E-10		8.72E-11	8.95E-12	5.55E-12	2.02E-11	1.22E-10
Iron, ion	Water	ocean	kg	2.15E-11	1.48E-10		1.69E-10		4.69E-11	4.84E-12	3.05E-12	1.11E-11	6.59E-11
Lead	Water	ocean	kg	4.20E-12	3.88E-11		4.30E-11		7.31E-12	7.88E-13	4.98E-13	1.79E-12	1.04E-11
Lead-210	Water	ocean	Bq	1.14E-06	1.32E-05		1.44E-05		5.98E-06	1.32E-06	8.23E-06	3.71E-05	5.27E-05
Magnesium	Water	ocean	kg	2.18E-09	1.47E-08		1.69E-08		4.81E-09	4.94E-10	3.06E-10	1.11E-09	6.72E-09
Manganese	Water	ocean	kg	1.75E-11	1.18E-10		1.35E-10		3.85E-11	3.97E-12	2.56E-12	9.41E-12	5.44E-11
Mercury	Water	ocean	kg	3.06E-14	4.29E-13		4.59E-13		3.32E-14	3.77E-15	2.32E-15	7.86E-15	4.71E-14
Methanol	Water	ocean	kg	5.84E-11	9.82E-10		1.04E-09		4.00E-11	5.24E-12	3.36E-12	1.05E-11	5.91E-11
Molybdenum	Water	ocean	kg	8.10E-14	5.45E-13		6.26E-13		1.78E-13	1.83E-14	1.15E-14	4.16E-14	2.50E-13
Nickel, ion	Water	ocean	kg	2.19E-13	1.85E-12		2.07E-12		4.84E-13	6.41E-14	1.50E-13	6.51E-13	1.35E-12
Nitrate	Water	ocean	kg	8.32E-11	5.68E-10		6.51E-10		3.70E-10	9.15E-11	8.82E-11	2.79E-10	8.30E-10
Nitrite	Water	ocean	kg	3.48E-13	2.51E-12		2.85E-12		4.66E-12	1.59E-12	1.64E-12	5.10E-12	1.30E-11
Nitrogen	Water	ocean	kg	3.26E-12	3.74E-11		4.07E-11		4.82E-12	5.04E-13	3.05E-13	1.08E-12	6.70E-12
Nitrogen, organic bound	Water	ocean	kg	1.44E-10	9.55E-10		1.10E-09		1.89E-10	2.75E-11	1.61E-11	5.95E-11	2.92E-10
Oils, unspecified	Water	ocean	kg	1.45E-08	1.17E-07		1.32E-07		3.01E-08	2.98E-09	2.50E-09	8.42E-09	4.40E-08
PAH, polycyclic aromatic hyd	Water	ocean	kg	3.16E-12	2.16E-11		2.47E-11		6.92E-12	7.11E-13	4.40E-13	1.60E-12	9.67E-12
Phenol	Water	ocean	kg	5.10E-11	3.47E-10		3.98E-10		1.10E-10	1.14E-11	7.06E-12	2.56E-11	1.54E-10
Phosphate	Water	ocean	kg	1.93E-11	2.24E-10		2.43E-10		1.01E-10	2.23E-11	1.39E-10	6.26E-10	8.89E-10
Phosphorus	Water	ocean	kg	3.14E-12	2.11E-11		2.42E-11		6.98E-12	7.38E-13	4.74E-13	1.71E-12	9.89E-12
Polonium-210	Water	ocean	Bq	1.75E-06	2.02E-05		2.20E-05		9.13E-06	2.02E-06	1.26E-05	5.65E-05	8.02E-05
Potassium-40	Water	ocean	Bq	1.39E-07	1.60E-06		1.74E-06		7.23E-07	1.60E-07	9.94E-07	4.48E-06	6.35E-06
Potassium, ion	Water	ocean	kg	1.68E-09	1.14E-08		1.31E-08		3.68E-09	3.77E-10	2.35E-10	8.51E-10	5.14E-09
Radioactive species, Nuclide	Water	ocean	Bq	1.34E-04	9.67E-04		1.10E-03		1.79E-03	6.11E-04	6.31E-04	1.96E-03	5.00E-03
Radium-224	Water	ocean	Bq	1.98E-05	1.33E-04		1.53E-04		4.36E-05	4.47E-06	2.78E-06	1.01E-05	6.09E-05
Radium-226	Water	ocean	Bq	3.30E-05	2.28E-04		2.61E-04		7.65E-05	8.65E-06	1.37E-05	5.79E-05	1.57E-04
Radium-228	Water	ocean	Bq	3.97E-05	2.67E-04		3.07E-04		8.72E-05	8.95E-06	5.55E-06	2.02E-05	1.22E-04
Rubidium	Water	ocean	kg	3.97E-12	2.67E-11		3.07E-11		8.72E-12	8.95E-13	5.55E-13	2.02E-12	1.22E-11
Selenium	Water	ocean	kg	1.22E-13	8.16E-13		9.37E-13		2.67E-13	2.75E-14	1.72E-14	6.24E-14	3.74E-13
Silicon	Water	ocean	kg	5.21E-13	7.67E-12		8.19E-12		5.37E-13	5.98E-14	3.70E-14	1.24E-13	7.58E-13
Silver, ion	Water	ocean	kg	2.38E-13	1.60E-12		1.84E-12		5.23E-13	5.38E-14	3.33E-14	1.21E-13	7.31E-13
Sodium, ion	Water	ocean	kg	1.22E-07	8.15E-07		9.37E-07		2.67E-07	2.74E-08	1.70E-08	6.17E-08	3.73E-07
Strontium	Water	ocean	kg	2.38E-09	1.60E-08		1.84E-08		5.24E-09	5.38E-10	3.34E-10	1.21E-09	7.33E-09
Strontium-90	Water	ocean	Bq	2.86E-06	2.06E-05		2.35E-05		3.83E-05	1.31E-05	1.35E-05	4.19E-05	1.07E-04
Sulfate	Water	ocean	kg	2.79E-09	2.41E-08		2.69E-08		9.12E-09	1.57E-09	7.26E-09	3.25E-08	5.04E-08
Sulfide	Water	ocean	kg	7.77E-13	5.26E-12		6.03E-12		2.13E-12	3.05E-13	2.44E-13	8.16E-13	3.50E-12
Sulfite	Water	ocean	kg	7.49E-19	5.27E-21		7.54E-19		8.99E-20	3.71E-20	3.68E-21	1.70E-20	1.48E-19
Sulfur	Water	ocean	kg	1.01E-11	1.12E-10		1.22E-10		1.54E-11	1.61E-12	9.68E-13	3.44E-12	2.14E-11
Suspended solids, unspecifie	Water	ocean	kg	6.09E-08	8.66E-07		9.27E-07		6.44E-08	7.31E-09	4.53E-09	1.53E-08	9.15E-08
t-Butyl methyl ether	Water	ocean	kg	2.57E-12	1.73E-11		1.98E-11		5.65E-12	5.81E-13	3.63E-13	1.32E-12	7.91E-12
Thorium-228	Water	ocean	Bq	7.92E-05	5.33E-04		6.12E-04		1.74E-04	1.79E-05	1.12E-05	4.08E-05	2.44E-04
Titanium, ion	Water	ocean	kg	8.35E-14	1.24E-12		1.32E-12		8.46E-14	9.42E-15	5.86E-15	1.96E-14	1.19E-13
TOC, Total Organic Carbon	Water	ocean	kg	1.52E-08	1.21E-07		1.36E-07		3.20E-08	3.19E-09	2.54E-09	8.69E-09	4.65E-08
Toluene	Water	ocean	kg	5.63E-11	3.82E-10		4.38E-10		1.29E-10	1.29E-11	8.04E-12	2.91E-11	1.79E-10
Tributyltin compounds	Water	ocean	kg	1.18E-12	8.27E-12		9.45E-12		9.92E-12	4.91E-13	7.43E-13	3.24E-12	1.44E-11
Triethylene glycol	Water	ocean	kg	4.84E-11	8.12E-10		8.60E-10		3.32E-11	4.34E-12	2.76E-12	8.63E-12	4.89E-11
Uranium-238	Water	ocean	Bq	5.87E-07	6.81E-06		7.39E-06		3.07E-06	6.78E-07	4.22E-06	1.90E-05	2.70E-05

				Ennoblissement				Ennoblissement	Confection				Confection
				Séchage	Consommation énergie	Rejets dans l'eau	TOTAL		Doublure	Bifil	Rivets	Boutons	TOTAL
Vanadium, ion	Water	ocean	kg	2.42E-13	1.63E-12		1.87E-12	5.33E-13	5.48E-14	3.42E-14	1.24E-13	7.46E-13	
VOC, volatile organic compou	Water	ocean	kg	1.39E-10	9.32E-10		1.07E-09	3.05E-10	3.14E-11	1.95E-11	7.06E-11	4.27E-10	
Xylene	Water	ocean	kg	4.71E-11	3.19E-10		3.66E-10	1.03E-10	1.06E-11	6.57E-12	2.39E-11	1.44E-10	
Zinc, ion	Water	ocean	kg	8.50E-10	1.19E-08		1.27E-08	9.27E-10	1.05E-10	6.50E-11	2.20E-10	1.32E-09	
Acenaphthene	Water	river	kg	4.90E-15	3.33E-14		3.82E-14	1.20E-14	1.13E-15	7.42E-16	2.68E-15	1.66E-14	
Acenaphthylene	Water	river	kg	3.07E-16	2.09E-15		2.39E-15	7.52E-16	7.04E-17	4.63E-17	1.67E-16	1.04E-15	
Acetic acid	Water	river	kg	5.29E-13	5.23E-12		5.76E-12	3.39E-12	7.88E-13	2.39E-12	9.69E-12	1.63E-11	
Acidity, unspecified	Water	river	kg	1.72E-12	3.06E-11		3.23E-11	2.39E-09	1.00E-09	4.00E-12	1.58E-11	3.41E-09	
Aluminum	Water	river	kg	1.65E-09	4.78E-10		2.13E-09	6.60E-10	2.30E-10	1.72E-10	5.78E-10	1.64E-09	
Ammonium, ion	Water	river	kg	3.83E-11	3.16E-10		3.55E-10	6.25E-09	1.37E-10	1.47E-10	5.62E-10	7.10E-09	
Antimony	Water	river	kg	3.10E-13	5.72E-12		6.03E-12	2.32E-10	9.58E-11	4.38E-12	1.27E-11	3.45E-10	
Antimony-122	Water	river	Bq	7.22E-11	6.30E-10		7.02E-10	1.29E-09	3.26E-10	3.16E-10	1.03E-09	2.97E-09	
Antimony-124	Water	river	Bq	3.55E-08	2.61E-07		2.96E-07	4.87E-07	1.62E-07	1.66E-07	5.19E-07	1.33E-06	
Antimony-125	Water	river	Bq	3.06E-08	2.25E-07		2.56E-07	4.20E-07	1.39E-07	1.43E-07	4.46E-07	1.15E-06	
AOX, Adsorbable Organic Ha	Water	river	kg	8.11E-13	3.05E-11		3.13E-11	4.15E-12	7.04E-13	5.66E-13	2.19E-12	7.60E-12	
Arsenic, ion	Water	river	kg	5.14E-12	6.05E-11		6.56E-11	1.90E-10	3.34E-11	3.39E-11	1.11E-10	3.69E-10	
Barium	Water	river	kg	6.89E-10	4.68E-09		5.36E-09	1.69E-09	1.58E-10	1.05E-10	3.77E-10	2.33E-09	
Barium-140	Water	river	Bq	3.16E-10	2.76E-09		3.07E-09	5.67E-09	1.43E-09	1.39E-09	4.53E-09	1.30E-08	
Benzene	Water	river	kg	5.21E-11	3.80E-10		4.32E-10	1.42E-10	1.53E-11	3.44E-11	1.42E-10	3.34E-10	
Benzene, ethyl-	Water	river	kg	1.89E-11	1.28E-10		1.47E-10	4.64E-11	4.34E-12	2.86E-12	1.03E-11	6.39E-11	
Beryllium	Water	river	kg	1.08E-15	7.94E-15		9.02E-15	1.60E-14	5.24E-15	6.29E-15	1.95E-14	4.70E-14	
BOD5, Biological Oxygen De	Water	river	kg	2.15E-07	1.45E-06		1.67E-06	6.27E-07	9.85E-08	3.37E-08	1.25E-07	8.84E-07	
Boron	Water	river	kg	7.40E-12	6.61E-11		7.35E-11	4.94E-11	9.75E-12	9.55E-12	3.01E-11	9.88E-11	
Bromate	Water	river	kg	1.87E-12	2.29E-11		2.47E-11	3.38E-10	7.45E-12	7.43E-12	3.09E-11	3.84E-10	
Bromine	Water	river	kg	5.54E-10	3.78E-09		4.34E-09	1.88E-09	3.37E-10	1.13E-10	3.97E-10	2.73E-09	
Butene	Water	river	kg	7.83E-16	5.15E-15		5.93E-15	5.52E-14	1.54E-15	2.27E-15	8.17E-15	6.72E-14	
Cadmium, ion	Water	river	kg	3.65E-12	3.84E-11		4.20E-11	2.61E-10	9.68E-12	6.07E-12	3.94E-11	3.16E-10	
Calcium, ion	Water	river	kg	2.50E-08	1.74E-07		1.99E-07	7.94E-08	8.71E-09	1.62E-07	7.04E-07	9.55E-07	
Carbonate	Water	river	kg	8.86E-12	8.49E-11		9.38E-11	8.89E-09	3.77E-09	3.12E-11	1.17E-10	1.28E-08	
Carboxylic acids, unspecified	Water	river	kg	2.90E-09	1.96E-08		2.25E-08	7.11E-09	6.64E-10	4.39E-10	1.58E-09	9.80E-09	
Cerium-141	Water	river	Bq	1.27E-10	1.10E-09		1.23E-09	2.26E-09	5.71E-10	5.54E-10	1.81E-09	5.20E-09	
Cerium-144	Water	river	Bq	3.85E-11	3.35E-10		3.74E-10	6.90E-10	1.74E-10	1.68E-10	5.50E-10	1.58E-09	
Cesium	Water	river	kg	7.88E-13	5.34E-12		6.13E-12	1.93E-12	1.81E-13	1.19E-13	4.30E-13	2.66E-12	
Cesium-134	Water	river	Bq	2.78E-08	2.02E-07		2.29E-07	3.71E-07	1.27E-07	1.31E-07	4.08E-07	1.04E-06	
Cesium-136	Water	river	Bq	2.24E-11	1.95E-10		2.18E-10	4.02E-10	1.01E-10	9.83E-11	3.21E-10	9.23E-10	
Cesium-137	Water	river	Bq	9.52E-08	7.43E-07		8.38E-07	1.43E-06	4.31E-07	4.35E-07	1.38E-06	3.68E-06	
Chlorate	Water	river	kg	1.66E-11	1.98E-10		2.15E-10	2.59E-09	6.04E-11	7.03E-11	2.96E-10	3.02E-09	
Chloride	Water	river	kg	4.08E-07	2.86E-06		3.26E-06	2.77E-06	1.13E-07	7.53E-08	2.69E-07	3.22E-06	
Chlorinated solvents, unspec	Water	river	kg	5.09E-14	4.01E-13		4.52E-13	2.42E-11	9.95E-12	1.30E-13	5.11E-13	3.48E-11	
Chlorine	Water	river	kg	1.24E-10	9.95E-13		1.25E-10	3.78E-11	1.59E-11	6.62E-13	3.00E-12	5.74E-11	
Chloroform	Water	river	kg	3.16E-19	1.43E-20		3.31E-19	5.89E-20	2.26E-20	8.75E-21	2.96E-20	1.20E-19	
Chromium-51	Water	river	Bq	3.70E-08	3.03E-07		3.40E-07	5.96E-07	1.67E-07	1.66E-07	5.34E-07	1.46E-06	
Chromium VI	Water	river	kg	3.12E-11	4.16E-10		4.47E-10	3.33E-10	1.01E-10	3.00E-10	8.21E-10	1.56E-09	
Chromium, ion	Water	river	kg	1.55E-12	2.42E-11	9.90E-09	9.93E-09	4.50E-11	1.08E-12	1.41E-11	3.88E-11	9.90E-11	
Cobalt	Water	river	kg	4.79E-13	8.08E-12		8.56E-12	4.78E-12	3.31E-13	9.05E-12	2.59E-11	4.01E-11	
Cobalt-57	Water	river	Bq	7.13E-10	6.21E-09		6.92E-09	1.28E-08	3.22E-09	3.12E-09	1.02E-08	2.93E-08	
Cobalt-58	Water	river	Bq	2.77E-07	2.14E-06		2.42E-06	4.12E-06	1.26E-06	1.27E-06	4.03E-06	1.07E-05	
Cobalt-60	Water	river	Bq	2.18E-07	1.70E-06		1.92E-06	3.29E-06	9.88E-07	9.97E-07	3.16E-06	8.43E-06	
COD, Chemical Oxygen Dem	Water	river	kg	2.17E-07	1.48E-06		1.70E-06	8.46E-06	3.44E-06	3.65E-08	1.37E-07	1.21E-05	
Copper, ion	Water	river	kg	7.54E-12	8.99E-11	3.32E-08	3.33E-08	5.65E-10	3.37E-11	1.98E-11	9.15E-11	7.10E-10	
Cumene	Water	river	kg	4.82E-12	6.11E-11		6.59E-11	3.04E-11	5.81E-12	3.02E-11	1.28E-10	1.95E-10	
Cyanide	Water	river	kg	2.70E-12	3.65E-11		3.91E-11	1.21E-09	1.75E-11	9.78E-10	4.41E-09	6.61E-09	
Dichromate	Water	river	kg	1.69E-13	1.05E-12		1.22E-12	6.51E-13	2.02E-13	1.27E-13	4.17E-13	1.40E-12	
DOC, Dissolved Organic Carl	Water	river	kg	6.39E-08	4.32E-07		4.96E-07	1.90E-07	2.60E-08	1.06E-08	3.99E-08	2.66E-07	
Ethane, 1,2-dichloro-	Water	river	kg	2.75E-14	2.81E-13		3.09E-13	5.16E-10	9.72E-12	1.72E-13	7.28E-13	5.27E-10	
Ethene	Water	river	kg	1.97E-12	2.07E-11		2.27E-11	8.32E-12	1.13E-12	8.82E-12	3.82E-11	5.65E-11	
Ethene, chloro-	Water	river	kg	3.95E-15	2.79E-14		3.18E-14	2.27E-11	9.68E-12	9.94E-15	3.96E-14	3.24E-11	
Ethylene diamine	Water	river	kg	5.33E-18	6.57E-17		7.11E-17	2.78E-10	5.14E-17	5.63E-16	2.54E-15	2.78E-10	
Ethylene oxide	Water	river	kg	3.23E-17	1.42E-15		1.46E-15	1.51E-15	4.77E-16	3.59E-16	1.33E-15	3.68E-15	
Fluoride	Water	river	kg	5.54E-11	1.45E-09		1.51E-09	5.39E-10	8.18E-11	3.95E-11	2.79E-10	9.40E-10	
Fluosilicic acid	Water	river	kg	5.89E-14	1.85E-12		1.90E-12	2.20E-12	4.31E-13	1.22E-12	5.34E-12	9.19E-12	
Formaldehyde	Water	river	kg	4.20E-15	1.02E-13		1.06E-13	5.55E-10	4.11E-14	3.62E-13	1.46E-12	5.57E-10	
Heat, waste	Water	river	MJ	1.15E-05	1.11E-03		1.12E-03	8.44E-05	1.02E-05	9.46E-06	3.02E-05	1.34E-04	
Hydrocarbons, aliphatic, alka	Water	river	kg	1.02E-10	6.94E-10		7.97E-10	2.51E-10	2.35E-11	1.55E-11	5.58E-11	3.46E-10	
Hydrocarbons, aliphatic, unsa	Water	river	kg	9.46E-12	6.42E-11		7.37E-11	2.32E-11	2.17E-12	1.43E-12	5.15E-12	3.19E-11	
Hydrocarbons, aromatic	Water	river	kg	4.15E-10	2.81E-09		3.23E-09	1.02E-09	9.48E-11	6.27E-11	2.26E-10	1.40E-09	
Hydrocarbons, unspecified	Water	river	kg	5.43E-12	2.22E-10		2.28E-10	4.41E-08	1.88E-08	1.32E-11	5.05E-11	6.30E-08	
Hydrogen-3, Tritium	Water	river	Bq	5.68E-03	4.11E-02		4.68E-02	7.60E-02	2.59E-02	2.66E-02	8.30E-02	2.12E-01	
Hydrogen peroxide	Water	river	kg	6.57E-13	3.71E-14		6.94E-13	1.89E-13	6.38E-14	6.54E-14	2.92E-13	6.11E-13	
Hydrogen sulfide	Water	river	kg	1.34E-13	1.64E-12		1.77E-12	9.99E-13	2.71E-13	7.47E-13	2.10E-12	4.12E-12	
Hydroxide	Water	river	kg	1.08E-13	8.22E-13		9.30E-13	1.42E-12	4.77E-13	4.89E-13	1.52E-12	3.91E-12	
Hypochlorite	Water	river	kg	1.94E-12	1.45E-09		1.46E-09	7.14E-11	8.75E-12	9.05E-12	2.81E-11	1.17E-10	
Iodide	Water	river	kg	7.88E-11	5.35E-10		6.13E-10	1.95E-10	1.85E-11	1.32E-11	4.70E-11	2.73E-10	
Iodine-131	Water	river	Bq	6.45E-09	4.80E-08		5.45E-08	8.97E-08	2.93E-08	2.99E-08	9.38E-08	2.43E-07	
Iodine-133	Water	river	Bq	1.99E-10	1.73E-09		1.93E-09	3.56E-09	8.98E-10	8.70E-10	2.84E-09	8.17E-09	
Iron-59	Water	river	Bq	5.47E-11	4.76E-10		5.31E-10	9.78E-10	2.46E-10	2.39E-10	7.81E-10	2.24E-09	
Iron, ion	Water	river	kg	1.29E-10	1.76E-09		1.89E-09	5.26E-10	1.07E-10	2.74E-10	9.38E-10	1.84E-09	
Lanthanum-140	Water	river	Bq	3.37E-10	2.94E-09		3.27E-09	6.03E-09	1.52E-09	1.48E-09	4.82E-09	1.39E-08	
Lead	Water	river	kg	2.72E-11	2.90E-10		3.17E-10	1.82E-09	8.18E-11	4.57E-11	3.62E-10	2.31E-09	
Lead-210	Water	river	Bq	2.64E-07	2.04E-06		2.30E-06	5.18E-06	1.14E-06	1.18E-06	3.69E-06	1.12E-05	
Magnesium	Water	river	kg	4.18E-09	2.86E-08		3.28E-08	3.65E-08	1.24E-09	9.39E-10	3.24E-09	4.19E-08	
Manganese	Water	river	kg	3.71E-11	2.74E-10		3.11E-10	1.27E-10	2.26E-11	2.63E-11	9.35E-11	2.70E-10	
Manganese-54	Water	river	Bq	1.68E-08	1.30E-07		1.47E-07	2.50E-07	7.65E-08	7.73E-08	2.45E-07	6.48E-07	
Mercury	Water	river	kg	7.30E-14	1.33E-12		1.40E-12	3.46E-11	9.92E-12	1.88E-13	1.43E-12	4.61E-11	
Methane, dichloro-, HCC-30	Water	river	kg	2.36E-11	2.52E-10		2.75E-10	3.84E-11	4.04E-12	2.52E-12	8.86E-12	5.38E-11	
Methanol	Water	river	kg	9.65E-16	7.23E-15		8.19E-15	1.52E-14	5.14E-15	5.47E-15	1.66E-14	4.24E-14	
Molybdenum	Water	river	kg	1.26E-12	9.26E-12		1.05E-11	3.03E-11	1.08E-11	9.04E-12	2.78E-11	7.78E-11	
Molybdenum-99	Water	river	Bq	1.16E-10	1.01E-09		1.13E-09	2.08E-09	5.24E-10	5.09E-10	1.66E-09	4.77E-09	
Nickel, ion	Water	river	kg	1.20E-12	9.08E-11	4.33E-08	4.34E-08	8.47E-11	1.85E-11	4.33E-11	1.34E-10	2.80E-10	
Niobium-95	Water	river	Bq	2.16E-09	1.65E-08		1.87E-08	2.99E-08	9.68E-09	9.95E-09	3.13E-08	8.09E-08	
Nitrate	Water	river	kg	1.23E-10	1.93E-09		2.05E-09	7.78E-09	3.25E-10	5.25E-10	2.00E-09	1.06E-08	
Nitrite	Water	river	kg	4.83E-13	2.52E-11		2.57E-11	1.05E-11	1.51E-12	2.74E-12	1.04E-11	2.52E-11	
Nitrogen	Water	river	kg	1.02E-10	3.56E-08	4.23E-06	4.27E-06	4.40E-09	3.81E-10	2.64E-10	8.71E-10	5.91E-09	
Nitrogen, organic bound	Water	river	kg	9.06E-11	6.87E-10	2.50E-06	2.50E-06	3.49E-10	6.41E-11	5.18E-09	2.43E-08	2.99E-08	
Oils, unspecified	Water	river	kg	6.79E-08	4.57E-07		5.24E-07	1.53E-07	1.68E-08	9.60E-09	3.48E-08	2.14E-07	

				Ennoblissement				Ennobliss ement	Confection				Confection
				Séchage	Consommation énergie	Rejets dans l'eau	TOTAL		Doublure	Bifil	Rivets	Boutons	TOTAL
PAH, polycyclic aromatic hyd	Water	river	kg	3.87E-12	2.72E-11		3.11E-11		1.58E-11	3.08E-12	1.04E-10	2.75E-10	3.99E-10
Paraffins	Water	river	kg	8.40E-18	5.92E-16		6.00E-16		5.31E-16	1.70E-16	1.18E-16	4.48E-16	1.27E-15
Phenol	Water	river	kg	6.44E-11	4.39E-10		5.03E-10		2.76E-10	6.44E-11	1.22E-11	4.52E-11	3.98E-10
Phosphate	Water	river	kg	4.95E-12	6.56E-11		7.06E-11		1.77E-09	1.03E-11	2.00E-11	6.78E-11	1.87E-09
Phosphorus	Water	river	kg	4.03E-12	1.17E-10	8.65E-07	8.66E-07		1.43E-10	1.13E-11	8.43E-12	3.08E-11	1.94E-10
Polonium-210	Water	river	Bq	2.64E-07	2.04E-06		2.30E-06		5.18E-06	1.14E-06	1.18E-06	3.69E-06	1.12E-05
Potassium-40	Water	river	Bq	3.31E-07	2.56E-06		2.89E-06		6.51E-06	1.44E-06	1.49E-06	4.63E-06	1.41E-05
Potassium, ion	Water	river	kg	3.71E-09	2.70E-08		3.07E-08		3.80E-08	4.47E-09	1.34E-09	4.33E-09	4.81E-08
Propene	Water	river	kg	1.94E-12	2.39E-11		2.58E-11		1.85E-11	2.48E-12	1.15E-11	4.89E-11	8.15E-11
Propylene oxide	Water	river	kg	1.65E-13	1.25E-12		1.42E-12		9.15E-12	3.87E-13	2.11E-13	8.47E-13	1.06E-11
Protactinium-234	Water	river	Bq	3.49E-07	2.54E-06		2.88E-06		4.68E-06	1.59E-06	1.63E-06	5.08E-06	1.30E-05
Radioactive species, alpha e	Water	river	Bq	3.44E-09	3.98E-08		4.32E-08		2.88E-06	4.01E-09	2.47E-08	1.11E-07	3.02E-06
Radioactive species, Nuclide	Water	river	Bq	4.27E-07	3.04E-06		3.47E-06		6.26E-06	2.03E-06	2.01E-06	6.27E-06	1.66E-05
Radium-224	Water	river	Bq	3.93E-05	2.68E-04		3.07E-04		9.67E-05	9.05E-06	5.96E-06	2.15E-05	1.33E-04
Radium-226	Water	river	Bq	2.80E-04	2.00E-03		2.28E-03		3.07E-03	1.00E-03	1.02E-03	3.20E-03	8.30E-03
Radium-228	Water	river	Bq	7.88E-05	5.34E-04		6.13E-04		1.93E-04	1.81E-05	1.19E-05	4.30E-05	2.66E-04
Rubidium	Water	river	kg	7.88E-12	5.34E-11		6.13E-11		1.93E-11	1.81E-12	1.19E-12	4.30E-12	2.66E-11
Ruthenium-103	Water	river	Bq	2.45E-11	2.14E-10		2.39E-10		4.39E-10	1.11E-10	1.07E-10	3.51E-10	1.01E-09
Scandium	Water	river	kg	6.38E-14	4.80E-13		5.43E-13		1.81E-12	5.11E-13	1.15E-12	3.48E-12	6.96E-12
Selenium	Water	river	kg	2.54E-13	2.00E-12		2.25E-12		6.42E-12	2.33E-12	1.56E-12	4.86E-12	1.52E-11
Silicon	Water	river	kg	1.05E-10	1.28E-09		1.39E-09		2.34E-09	7.38E-10	1.06E-08	3.06E-08	4.43E-08
Silver-110	Water	river	Bq	2.08E-07	1.63E-06		1.84E-06		3.16E-06	9.48E-07	9.55E-07	3.03E-06	8.09E-06
Silver, ion	Water	river	kg	7.07E-13	4.79E-12		5.49E-12		1.96E-12	2.13E-13	1.14E-13	4.10E-13	2.69E-12
Sodium-24	Water	river	Bq	8.80E-10	7.67E-09		8.55E-09		1.58E-08	3.97E-09	3.85E-09	1.26E-08	3.61E-08
Sodium formate	Water	river	kg	2.69E-16	2.40E-14		2.43E-14		8.79E-15	1.91E-15	4.56E-14	1.87E-13	2.43E-13
Sodium, ion	Water	river	kg	2.41E-07	1.65E-06		1.89E-06		1.85E-06	6.21E-08	4.11E-08	1.47E-07	2.10E-06
Solids, inorganic	Water	river	kg	2.76E-10	3.19E-09		3.46E-09		4.55E-09	4.27E-10	1.64E-09	6.81E-09	1.34E-08
Solved solids	Water	river	kg	7.16E-10	1.07E-08		1.15E-08		4.43E-08	1.52E-08	5.99E-07	1.58E-06	2.24E-06
Strontium	Water	river	kg	4.74E-09	3.22E-08		3.70E-08		1.16E-08	1.09E-09	7.17E-10	2.59E-09	1.60E-08
Strontium-89	Water	river	Bq	3.35E-09	2.74E-08		3.07E-08		5.30E-08	1.51E-08	1.51E-08	4.83E-08	1.31E-07
Strontium-90	Water	river	Bq	2.26E-04	1.66E-03		1.89E-03		2.93E-03	1.01E-03	1.04E-03	3.23E-03	8.21E-03
Sulfate	Water	river	kg	5.68E-09	9.12E-07		9.17E-07		2.81E-07	2.65E-08	5.53E-07	2.57E-06	3.43E-06
Sulfide	Water	river	kg	8.56E-13	2.38E-10		2.38E-10		6.22E-11	1.66E-11	1.71E-12	5.36E-12	8.58E-11
Sulfite	Water	river	kg	1.07E-11	8.10E-09		8.11E-09		3.90E-10	4.84E-11	5.00E-11	1.55E-10	6.44E-10
Sulfur	Water	river	kg	2.30E-10	1.73E-09		1.96E-09		2.62E-08	4.94E-11	3.09E-11	1.12E-10	2.64E-08
Suspended solids, unspecifie	Water	river	kg	1.23E-09	1.72E-08		1.84E-08		3.39E-08	1.31E-08	1.59E-09	4.83E-09	5.34E-08
t-Butyl methyl ether	Water	river	kg	5.50E-17	1.43E-14		1.43E-14		1.27E-15	1.99E-16	2.57E-16	9.29E-16	2.65E-15
Technetium-99m	Water	river	Bq	2.70E-09	2.34E-08		2.61E-08		4.81E-08	1.22E-08	1.18E-08	3.86E-08	1.11E-07
Tellurium-123m	Water	river	Bq	3.70E-09	2.68E-08		3.05E-08		4.98E-08	1.69E-08	1.74E-08	5.43E-08	1.38E-07
Tellurium-132	Water	river	Bq	6.73E-12	5.86E-11		6.53E-11		1.21E-10	3.04E-11	2.94E-11	9.62E-11	2.77E-10
Thallium	Water	river	kg	2.08E-14	1.60E-11		1.60E-11		7.81E-13	9.48E-14	9.86E-14	3.06E-13	1.28E-12
Thorium-228	Water	river	Bq	1.58E-04	1.07E-03		1.23E-03		3.86E-04	3.61E-05	2.38E-05	8.59E-05	5.32E-04
Thorium-230	Water	river	Bq	4.76E-05	3.45E-04		3.93E-04		6.39E-04	2.16E-04	2.22E-04	6.93E-04	1.77E-03
Thorium-232	Water	river	Bq	6.18E-08	4.77E-07		5.38E-07		1.21E-06	2.67E-07	2.78E-07	8.65E-07	2.62E-06
Thorium-234	Water	river	Bq	3.49E-07	2.54E-06		2.88E-06		4.68E-06	1.59E-06	1.63E-06	5.08E-06	1.30E-05
Tin, ion	Water	river	kg	2.04E-14	6.78E-13		6.98E-13		4.57E-13	1.08E-13	9.85E-13	3.51E-12	5.06E-12
Titanium, ion	Water	river	kg	2.77E-13	3.11E-12		3.39E-12		3.93E-12	1.03E-12	2.37E-12	8.44E-12	1.58E-11
TOC, Total Organic Carbon	Water	river	kg	6.39E-08	4.36E-07		4.99E-07		1.92E-07	2.69E-08	1.07E-08	4.01E-08	2.70E-07
Toluene	Water	river	kg	8.98E-11	6.09E-10		6.99E-10		2.22E-10	2.06E-11	1.37E-11	4.93E-11	3.06E-10
Tungsten	Water	river	kg	7.46E-14	5.51E-13		6.25E-13		1.89E-12	4.94E-13	9.40E-13	2.86E-12	6.18E-12
Uranium-234	Water	river	Bq	4.18E-07	3.04E-06		3.46E-06		5.62E-06	1.90E-06	1.95E-06	6.09E-06	1.56E-05
Uranium-235	Water	river	Bq	6.90E-07	5.02E-06		5.71E-06		9.27E-06	3.14E-06	3.23E-06	1.01E-05	2.57E-05
Uranium-238	Water	river	Bq	1.18E-06	8.65E-06		9.83E-06		1.67E-05	5.34E-06	5.50E-06	1.72E-05	4.47E-05
Uranium alpha	Water	river	Bq	2.01E-05	1.46E-04		1.66E-04		2.69E-04	9.11E-05	9.39E-05	2.93E-04	7.47E-04
Vanadium, ion	Water	river	kg	8.75E-13	1.65E-10		1.66E-10		1.48E-11	3.10E-12	3.72E-12	1.14E-11	3.30E-11
VOC, volatile organic compou	Water	river	kg	2.77E-10	1.88E-09		2.15E-09		6.87E-10	6.71E-11	4.58E-11	1.63E-10	9.63E-10
Xylene	Water	river	kg	7.46E-11	5.05E-10		5.80E-10		1.83E-10	1.71E-11	1.13E-11	4.07E-11	2.52E-10
Zinc-65	Water	river	Bq	1.20E-08	1.04E-07		1.16E-07		2.13E-07	5.38E-08	5.22E-08	1.70E-07	4.90E-07
Zinc, ion	Water	river	kg	5.95E-11	4.49E-10	8.27E-08	8.32E-08		2.37E-10	3.04E-11	4.36E-11	3.70E-10	6.81E-10
Zirconium-95	Water	river	Bq	1.39E-10	1.20E-09		1.34E-09		2.48E-09	6.24E-10	6.04E-10	1.97E-09	5.68E-09
Boron	Soil		kg	1.15E-12	7.17E-12		8.33E-12		4.42E-12	1.37E-12	8.62E-13	2.83E-12	9.49E-12
Cadmium	Soil		kg	3.10E-15	2.87E-14		3.18E-14		3.69E-13	1.62E-14	8.59E-15	3.46E-14	4.28E-13
Chloride	Soil		kg	4.33E-10	4.81E-09		5.24E-09		6.60E-08	2.24E-09	1.26E-09	5.11E-09	7.47E-08
Chromium	Soil		kg	2.79E-14	2.58E-13		2.86E-13		3.31E-12	1.46E-13	7.74E-14	3.11E-13	3.84E-12
Chromium VI	Soil		kg	6.49E-12	4.05E-11		4.70E-11		2.50E-11	7.75E-12	4.87E-12	1.60E-11	5.35E-11
Copper	Soil		kg	4.10E-12	2.57E-11		2.98E-11		2.11E-11	5.07E-12	3.17E-12	1.05E-11	3.98E-11
Fluoride	Soil		kg	4.39E-12	2.75E-11		3.18E-11		1.69E-11	5.24E-12	3.29E-12	1.08E-11	3.62E-11
Heat, waste	Soil		MJ	1.22E-06	7.15E-06		8.36E-06		2.86E-06	8.05E-07	5.28E-07	1.73E-06	5.92E-06
Iron	Soil		kg	1.54E-10	1.56E-09		1.72E-09		1.16E-08	2.81E-09	8.41E-10	3.59E-09	1.88E-08
Lead	Soil		kg	1.55E-14	1.43E-13		1.59E-13		1.84E-12	8.08E-14	4.30E-14	1.73E-13	2.14E-12
Nickel	Soil		kg	2.48E-14	2.29E-13		2.54E-13		2.94E-12	1.29E-13	6.87E-14	2.76E-13	3.42E-12
Oils, biogenic	Soil		kg	2.93E-12	2.97E-11		3.26E-11		1.57E-10	5.38E-11	1.07E-11	5.47E-11	2.76E-10
Oils, unspecified	Soil		kg	3.86E-10	2.60E-09		2.99E-09		8.71E-10	8.51E-11	2.79E-10	7.75E-10	2.01E-09
Sodium	Soil		kg	5.76E-13	8.87E-12		9.45E-12		1.82E-10	2.97E-12	2.08E-12	8.53E-12	1.96E-10
Zinc	Soil		kg	2.50E-12	2.31E-11		2.56E-11		2.95E-10	1.31E-11	6.93E-12	2.79E-11	3.43E-10
Aclonifen	Soil	agricultu	kg	1.23E-15	2.23E-14		2.36E-14		2.79E-14	3.11E-15	2.81E-15	1.04E-14	4.42E-14
Aluminum	Soil	agricultu	kg	2.17E-12	1.81E-11		2.02E-11		3.33E-11	8.18E-12	9.69E-12	3.26E-11	8.38E-11
Antimony	Soil	agricultu	kg	4.95E-18	1.98E-17		2.48E-17		2.57E-17	8.25E-18	6.41E-18	3.67E-17	7.71E-17
Arsenic	Soil	agricultu	kg	5.73E-16	4.77E-15		5.34E-15		2.18E-12	2.35E-15	2.59E-15	8.45E-15	2.19E-12
Atrazine	Soil	agricultu	kg	1.39E-17	5.46E-14		5.46E-14		3.74E-16	8.55E-17	6.63E-15	2.02E-14	2.73E-14
Barium	Soil	agricultu	kg	1.02E-14	6.90E-14		7.92E-14		3.01E-14	2.32E-15	1.68E-15	6.37E-15	4.05E-14
Bentazone	Soil	agricultu	kg	6.23E-16	1.14E-14		1.20E-14		1.42E-14	1.59E-15	1.43E-15	5.29E-15	2.25E-14
Boron	Soil	agricultu	kg	2.83E-15	1.93E-14		2.21E-14		8.32E-15	6.18E-16	4.48E-16	1.65E-15	1.10E-14
Cadmium	Soil	agricultu	kg	1.41E-15	1.28E-14		1.42E-14		3.76E-13	4.01E-14	7.08E-15	2.43E-14	4.48E-13
Calcium	Soil	agricultu	kg	2.46E-11	2.02E-10		2.27E-10		3.16E-10	9.68E-11	1.04E-10	3.35E-10	8.52E-10
Carbetamide	Soil	agricultu	kg	2.26E-16	4.56E-15		4.79E-15		5.17E-15	5.91E-16	1.70E-15	7.21E-15	1.47E-14
Carbon	Soil	agricultu	kg	9.73E-12	8.05E-11		9.03E-11		2.03E-10	3.04E-11	4.46E-11	1.66E-10	4.44E-10
Chloride	Soil	agricultu	kg	2.48E-13	2.04E-12		2.29E-12		3.01E-12	1.03E-12	1.07E-12	3.37E-12	8.48E-12
Chlorothalonil	Soil	agricultu	kg	6.52E-15	2.84E-13		2.90E-13		1.55E-13	3.11E-14	1.17E-12	5.25E-12	6.61E-12
Chromium	Soil	agricultu	kg	2.73E-14	2.65E-13		2.92E-13		2.80E-11	2.54E-12	1.96E-13	7.27E-13	3.15E-11
Cobalt	Soil	agricultu	kg	1.61E-15	1.35E-14		1.51E-14		2.53E-11	6.58E-15	7.47E-15	2.46E-14	2.53E-11
Copper	Soil	agricultu	kg	4.06E-14	3.94E-13		4.35E-13		5.15E-11	5.24E-12	3.61E-13	1.40E-12	5.85E-11
Cypermethrin	Soil	agricultu	kg	5.09E-18	1.15E-16		1.20E-16		1.16E-16	1.37E-17	7.21E-17	3.13E-16	5.15E-16
Dinoseb	Soil	agricultu	kg	1.77E-15	7.71E-14		7.88E-14		4.22E-14	8.45E-15	3.18E-13	1.43E-12	1.80E-12
Fenpiclonil	Soil	agricultu	kg	2.98E-16	1.19E-14		1.22E-14		7.08E-15	1.33E-15	4.62E-14	2.07E-13	2.62E-13

			Ennoblissement			Ennoblissement	Confection				Confection
			Séchage	Consommation énergie	Rejets dans l'eau	TOTAL	Doublure	Bifil	Rivets	Boutons	TOTAL
Glyphosate	Soil	agricultu kg	1.03E-14	1.35E-13		1.45E-13	1.57E-12	5.34E-14	3.26E-14	1.29E-13	1.79E-12
Iron	Soil	agricultu kg	6.44E-12	5.56E-11		6.20E-11	8.31E-10	2.03E-11	3.24E-11	1.20E-10	1.00E-09
Lead	Soil	agricultu kg	1.01E-14	9.33E-14		1.03E-13	1.17E-11	6.64E-13	6.77E-14	2.51E-13	1.27E-11
Linuron	Soil	agricultu kg	9.48E-15	1.73E-13		1.82E-13	2.16E-13	2.41E-14	2.17E-14	8.03E-14	3.42E-13
Magnesium	Soil	agricultu kg	2.72E-12	2.24E-11		2.51E-11	3.54E-11	1.09E-11	1.18E-11	3.79E-11	9.60E-11
Mancozeb	Soil	agricultu kg	8.48E-15	3.69E-13		3.78E-13	2.02E-13	4.04E-14	1.53E-12	6.85E-12	8.62E-12
Manganese	Soil	agricultu kg	1.58E-12	1.30E-11		1.45E-11	1.91E-11	6.48E-12	6.72E-12	2.13E-11	5.35E-11
Mercury	Soil	agricultu kg	5.44E-17	6.87E-16		7.42E-16	1.18E-13	1.93E-16	5.79E-16	2.37E-15	1.21E-13
Metaldehyde	Soil	agricultu kg	4.41E-17	9.93E-16		1.04E-15	1.01E-15	1.19E-16	6.25E-16	2.71E-15	4.46E-15
Metolachlor	Soil	agricultu kg	6.85E-14	1.29E-12		1.36E-12	1.56E-12	1.74E-13	1.63E-13	6.01E-13	2.50E-12
Metribuzin	Soil	agricultu kg	2.98E-16	1.30E-14		1.33E-14	7.13E-15	1.43E-15	5.36E-14	2.40E-13	3.02E-13
Molybdenum	Soil	agricultu kg	4.11E-16	3.54E-15		3.95E-15	1.27E-12	1.65E-15	2.10E-15	7.26E-15	1.28E-12
Napropamide	Soil	agricultu kg	7.80E-17	1.76E-15		1.84E-15	1.78E-15	2.10E-16	1.11E-15	4.79E-15	7.89E-15
Nickel	Soil	agricultu kg	1.10E-14	1.07E-13		1.18E-13	7.09E-11	1.71E-12	1.03E-13	3.99E-13	7.31E-11
Orbencarb	Soil	agricultu kg	1.61E-15	7.00E-14		7.17E-14	3.84E-14	7.68E-15	2.89E-13	1.30E-12	1.63E-12
Phosphorus	Soil	agricultu kg	7.59E-13	6.25E-12		7.00E-12	9.21E-12	3.17E-12	3.27E-12	1.03E-11	2.60E-11
Pirimicarb	Soil	agricultu kg	5.91E-17	1.08E-15		1.14E-15	1.35E-15	1.50E-16	1.36E-16	5.02E-16	2.13E-15
Potassium	Soil	agricultu kg	4.22E-12	3.48E-11		3.90E-11	5.12E-11	1.76E-11	1.82E-11	5.75E-11	1.44E-10
Silicon	Soil	agricultu kg	7.18E-12	6.00E-11		6.72E-11	1.04E-10	2.95E-11	3.30E-11	1.08E-10	2.75E-10
Silver	Soil	agricultu kg	1.71E-16	1.93E-15		2.10E-15	1.61E-13	5.28E-14	2.35E-15	9.34E-15	2.26E-13
Strontium	Soil	agricultu kg	3.71E-14	2.52E-13		2.89E-13	1.09E-13	7.91E-15	5.73E-15	2.08E-14	1.43E-13
Sulfur	Soil	agricultu kg	1.12E-12	9.69E-12		1.08E-11	2.25E-11	4.44E-12	5.91E-12	2.07E-11	5.36E-11
Tebutam	Soil	agricultu kg	1.85E-16	4.17E-15		4.36E-15	4.22E-15	4.97E-16	2.62E-15	1.14E-14	1.87E-14
Teflubenzuron	Soil	agricultu kg	1.99E-17	8.64E-16		8.84E-16	4.74E-16	9.48E-17	3.57E-15	1.60E-14	2.01E-14
Tin	Soil	agricultu kg	5.34E-16	4.98E-15		5.51E-15	1.79E-14	1.91E-15	3.67E-15	1.42E-14	3.77E-14
Titanium	Soil	agricultu kg	1.07E-13	8.81E-13		9.88E-13	1.30E-12	4.47E-13	4.61E-13	1.46E-12	3.66E-12
Vanadium	Soil	agricultu kg	3.06E-15	2.52E-14		2.82E-14	3.71E-14	1.28E-14	1.32E-14	4.15E-14	1.05E-13
Zinc	Soil	agricultu kg	7.13E-13	5.44E-12		6.15E-12	2.68E-10	4.87E-12	3.28E-12	1.08E-11	2.87E-10
Oils, biogenic	Soil	forestry kg	8.13E-13	7.34E-12		8.15E-12	2.51E-11	7.95E-12	1.07E-11	3.83E-11	8.20E-11
Oils, unspecified	Soil	forestry kg	8.46E-08	5.69E-07		6.54E-07	1.86E-07	1.91E-08	1.18E-08	4.30E-08	2.60E-07
Aluminum	Soil	industria kg	9.34E-10	9.94E-09		1.09E-08	1.52E-09	1.60E-10	9.93E-11	3.50E-10	2.13E-09
Arsenic	Soil	industria kg	3.73E-13	3.97E-12		4.34E-12	6.06E-13	6.38E-14	3.97E-14	1.40E-13	8.50E-13
Barium	Soil	industria kg	4.66E-10	4.97E-09		5.43E-09	7.58E-10	7.98E-11	4.97E-11	1.75E-10	1.06E-09
Boron	Soil	industria kg	9.34E-12	9.94E-11		1.09E-10	1.52E-11	1.60E-12	9.93E-13	3.50E-12	2.13E-11
Calcium	Soil	industria kg	3.73E-09	3.97E-08		4.34E-08	6.06E-09	6.38E-10	3.97E-10	1.40E-09	8.50E-09
Carbon	Soil	industria kg	2.80E-09	2.97E-08		3.25E-08	4.55E-09	4.81E-10	2.98E-10	1.05E-09	6.38E-09
Chloride	Soil	industria kg	3.27E-09	3.47E-08		3.80E-08	5.31E-09	5.61E-10	3.48E-10	1.22E-09	7.45E-09
Chromium	Soil	industria kg	4.66E-12	4.97E-11		5.43E-11	7.58E-12	7.98E-13	4.97E-13	1.75E-12	1.06E-11
Copper	Soil	industria kg	1.65E-14	1.73E-13		1.90E-13	2.42E-12	5.48E-15	7.23E-14	3.16E-13	2.81E-12
Fluoride	Soil	industria kg	4.66E-11	4.97E-10		5.43E-10	7.58E-11	7.98E-12	4.97E-12	1.75E-11	1.06E-10
Glyphosate	Soil	industria kg	8.07E-11	8.18E-10		8.99E-10	4.33E-09	1.48E-09	2.96E-10	1.51E-09	7.61E-09
Heat, waste	Soil	industria MJ	9.63E-09	9.83E-08		1.08E-07	2.50E-08	3.41E-09	3.75E-09	1.37E-08	4.59E-08
Iron	Soil	industria kg	1.87E-09	1.99E-08		2.18E-08	3.03E-09	3.20E-10	1.98E-10	6.99E-10	4.25E-09
Magnesium	Soil	industria kg	7.47E-10	7.95E-09		8.70E-09	1.21E-09	1.28E-10	7.95E-11	2.80E-10	1.70E-09
Manganese	Soil	industria kg	3.73E-11	3.97E-10		4.34E-10	6.06E-11	6.38E-12	3.97E-12	1.40E-11	8.50E-11
Oils, unspecified	Soil	industria kg	4.04E-12	4.68E-11		5.08E-11	3.39E-09	4.67E-12	2.90E-11	1.31E-10	3.55E-09
Phosphorus	Soil	industria kg	4.66E-11	4.97E-10		5.43E-10	7.58E-11	7.98E-12	4.97E-12	1.75E-11	1.06E-10
Potassium	Soil	industria kg	3.27E-10	3.47E-09		3.80E-09	5.31E-10	5.61E-11	3.48E-11	1.22E-10	7.45E-10
Silicon	Soil	industria kg	9.34E-11	9.94E-10		1.09E-09	1.52E-10	1.60E-11	9.93E-12	3.50E-11	2.13E-10
Sodium	Soil	industria kg	1.87E-09	1.99E-08		2.18E-08	3.03E-09	3.20E-10	1.98E-10	6.99E-10	4.25E-09
Strontium	Soil	industria kg	9.34E-12	9.94E-11		1.09E-10	1.52E-11	1.60E-12	9.93E-13	3.50E-12	2.13E-11
Sulfur	Soil	industria kg	5.61E-10	5.97E-09		6.53E-09	9.10E-10	9.58E-11	5.96E-11	2.10E-10	1.27E-09
Zinc	Soil	industria kg	1.40E-11	1.49E-10		1.63E-10	2.28E-11	2.40E-12	1.49E-12	5.25E-12	3.19E-11
Primary energy, non renewable		MJ									
Tetrachloroethylene	Air	kg									

				Traitement du jean						Traitement du jean
				Stonewash	Délavage au chlore	Délavage peroxyde	Moustaches	Vaporisation	Rejets dans l'eau	TOTAL
Inventory	Compartr	Sub-com	Unit							
Energy, gross calorific value,	Raw	biotic	MJ	9.53E-07	2.33E-06			7.52E-07		4.04E-06
Peat, in ground	Raw	biotic	kg	3.78E-10	3.86E-10			1.23E-10		8.86E-10
Wood, hard, standing	Raw	biotic	m3	2.99E-11	7.02E-11			2.12E-11		1.21E-10
Wood, soft, standing	Raw	biotic	m3	6.11E-11	1.55E-10			5.08E-11		2.67E-10
Wood, unspecified, standing/	Raw	biotic	m3	2.44E-15	4.63E-15			2.37E-15		9.45E-15
Carbon dioxide, in air	Raw	in air	kg	8.52E-08	2.09E-07			6.72E-08		3.61E-07
Energy, kinetic, flow, in wind	Raw	in air	MJ	1.03E-06	2.85E-06			8.51E-07		4.72E-06
Energy, solar	Raw	in air	MJ	1.37E-08	3.76E-08			1.17E-08		6.30E-08
Aluminium, 24% in bauxite, 1	Raw	in ground	kg	1.13E-08	1.46E-08			7.26E-09		3.32E-08
Anhydrite, in ground	Raw	in ground	kg	4.07E-13	4.56E-13			1.69E-13		1.03E-12
Barite, 15% in crude ore, in g	Raw	in ground	kg	3.68E-07	3.88E-07			7.70E-08		8.33E-07
Basalt, in ground	Raw	in ground	kg	5.11E-09	7.09E-09			5.76E-09		1.80E-08
Borax, in ground	Raw	in ground	kg	1.27E-13	1.63E-12			4.93E-12		6.69E-12
Calcite, in ground	Raw	in ground	kg	1.99E-06	2.38E-06			3.23E-07		4.69E-06
Chromium, 25.5 in chromite,	Raw	in ground	kg	2.34E-09	8.23E-09			4.59E-09		1.52E-08
Chrysotile, in ground	Raw	in ground	kg	6.90E-13	2.40E-12			2.52E-13		3.35E-12
Cinnabar, in ground	Raw	in ground	kg	6.42E-14	3.26E-11			2.27E-14		3.27E-11
Clay, bentonite, in ground	Raw	in ground	kg	3.79E-08	3.92E-08			1.09E-08		8.79E-08
Clay, unspecified, in ground	Raw	in ground	kg	1.85E-07	2.42E-07			6.06E-08		4.88E-07
Coal, brown, in ground	Raw	in ground	kg	1.29E-06	3.78E-06			1.13E-06		6.20E-06
Coal, hard, unspecified, in gr	Raw	in ground	kg	1.22E-06	2.68E-06			8.28E-07		4.74E-06
Cobalt, in ground	Raw	in ground	kg	3.13E-14	3.42E-14			7.30E-15		7.27E-14
Colemanite, in ground	Raw	in ground	kg	1.30E-11	2.40E-11			1.02E-11		4.72E-11
Copper, 0.99% in sulfide, Cu	Raw	in ground	kg	3.01E-10	4.60E-10			4.61E-10		1.22E-09
Copper, 1.18% in sulfide, Cu	Raw	in ground	kg	1.67E-09	2.55E-09			2.56E-09		6.78E-09
Copper, 1.42% in sulfide, Cu	Raw	in ground	kg	4.43E-10	6.77E-10			6.79E-10		1.80E-09
Copper, 2.19% in sulfide, Cu	Raw	in ground	kg	2.20E-09	3.36E-09			3.37E-09		8.93E-09
Diatomite, in ground	Raw	in ground	kg	3.75E-16	1.28E-15			1.97E-16		1.85E-15
Dolomite, in ground	Raw	in ground	kg	3.32E-09	3.45E-09			1.19E-09		7.95E-09
Feldspar, in ground	Raw	in ground	kg	8.16E-16	9.35E-16			2.59E-16		2.01E-15
Fluorine, 4.5% in apatite, 1%	Raw	in ground	kg	2.04E-10	2.18E-10			4.58E-11		4.68E-10
Fluorine, 4.5% in apatite, 3%	Raw	in ground	kg	8.93E-11	9.58E-11			2.05E-11		2.06E-10
Fluorspar, 92%, in ground	Raw	in ground	kg	5.23E-09	5.74E-09			1.23E-09		1.22E-08
Gas, mine, off-gas, process,	Raw	in ground	m3	1.19E-08	2.64E-08			8.10E-09		4.64E-08
Gas, natural, in ground	Raw	in ground	m3	2.32E-04	2.33E-04			6.61E-05		5.31E-04
Granite, in ground	Raw	in ground	kg	1.11E-11	1.23E-11			1.58E-11		3.91E-11
Gravel, in ground	Raw	in ground	kg	9.50E-06	1.01E-05			5.03E-06		2.46E-05
Gypsum, in ground	Raw	in ground	kg	1.13E-11	2.99E-11			3.57E-12		4.48E-11
Iron, 46% in ore, 25% in crud	Raw	in ground	kg	1.41E-06	1.47E-06			5.24E-07		3.40E-06
Kaolinite, 24% in crude ore, i	Raw	in ground	kg	3.20E-11	5.98E-11			2.55E-11		1.17E-10
Kieserite, 25% in crude ore, i	Raw	in ground	kg	1.57E-13	3.65E-13			1.06E-13		6.27E-13
Lead, 5%, in sulfide, Pb 2.97	Raw	in ground	kg	5.04E-09	6.38E-09			2.69E-09		1.41E-08
Magnesite, 60% in crude ore,	Raw	in ground	kg	1.88E-08	1.95E-08			7.39E-09		4.57E-08
Manganese, 35.7% in sedime	Raw	in ground	kg	7.05E-10	1.05E-09			1.82E-09		3.58E-09
Molybdenum, 0.010% in sulfi	Raw	in ground	kg	1.52E-11	2.32E-11			2.32E-11		6.17E-11
Molybdenum, 0.014% in sulfi	Raw	in ground	kg	2.16E-12	3.31E-12			3.31E-12		8.79E-12
Molybdenum, 0.022% in sulfi	Raw	in ground	kg	2.48E-10	3.69E-10			6.38E-10		1.25E-09
Molybdenum, 0.025% in sulfi	Raw	in ground	kg	7.94E-12	1.21E-11			1.22E-11		3.22E-11
Molybdenum, 0.11% in sulfid	Raw	in ground	kg	5.00E-10	7.44E-10			1.29E-09		2.53E-09
Nickel, 1.13% in sulfide, Ni 0.	Raw	in ground	kg	2.64E-11	2.93E-11			4.85E-12		6.05E-11
Nickel, 1.98% in silicates, 1.0	Raw	in ground	kg	1.64E-08	2.60E-08			1.38E-08		5.62E-08
Oil, crude, in ground	Raw	in ground	kg	2.45E-05	2.49E-05			1.72E-06		5.10E-05
Olivine, in ground	Raw	in ground	kg	1.48E-13	1.68E-13			6.93E-14		3.85E-13
Pd, Pd 2.0E-4%, Pt 4.8E-4%,	Raw	in ground	kg	2.87E-14	2.92E-14			2.26E-15		6.02E-14
Pd, Pd 7.3E-4%, Pt 2.5E-4%,	Raw	in ground	kg	6.92E-14	7.04E-14			5.44E-15		1.45E-13
Phosphorus, 18% in apatite,	Raw	in ground	kg	3.56E-10	3.82E-10			8.17E-11		8.20E-10
Phosphorus, 18% in apatite,	Raw	in ground	kg	8.16E-10	8.75E-10			1.83E-10		1.87E-09
Pt, Pt 2.5E-4%, Pd 7.3E-4%,	Raw	in ground	kg	6.71E-16	6.95E-16			3.27E-16		1.69E-15
Pt, Pt 4.8E-4%, Pd 2.0E-4%,	Raw	in ground	kg	2.41E-15	2.49E-15			1.17E-15		6.07E-15
Rh, Rh 2.0E-5%, Pt 2.5E-4%	Raw	in ground	kg	6.57E-16	6.68E-16			5.00E-17		1.38E-15
Rh, Rh 2.4E-5%, Pt 4.8E-4%	Raw	in ground	kg	2.06E-15	2.09E-15			1.57E-16		4.31E-15
Rhenium, in crude ore, in gro	Raw	in ground	kg	7.25E-16	7.39E-16			7.59E-17		1.54E-15
Rutile, in ground	Raw	in ground	kg	7.52E-16	8.43E-16			2.29E-16		1.82E-15
Sand, unspecified, in ground	Raw	in ground	kg	1.49E-11	2.50E-11			1.10E-11		5.08E-11
Shale, in ground	Raw	in ground	kg	1.16E-12	1.29E-12			4.80E-13		2.93E-12
Silver, 0.01% in crude ore, in	Raw	in ground	kg	5.58E-15	1.54E-14			4.80E-15		2.57E-14
Sodium chloride, in ground	Raw	in ground	kg	4.85E-08	6.79E-06			1.75E-08		6.85E-06
Sodium sulphate, various forr	Raw	in ground	kg	1.70E-09	1.82E-09			3.80E-10		3.91E-09
Stibnite, in ground	Raw	in ground	kg	3.90E-17	1.33E-16			2.04E-17		1.92E-16
Sulfur, in ground	Raw	in ground	kg	1.80E-11	2.52E-11			1.47E-11		5.79E-11
Sylvite, 25 % in sylvinite, in g	Raw	in ground	kg	5.11E-11	7.35E-11			4.95E-11		1.74E-10
Talc, in ground	Raw	in ground	kg	3.09E-12	6.36E-12			2.57E-12		1.20E-11
Tin, 79% in cassiterite, 0.1%	Raw	in ground	kg	1.89E-12	9.47E-12			7.70E-13		1.21E-11
TiO2, 45-60% in Ilmenite, in	Raw	in ground	kg	3.32E-09	3.75E-09			1.32E-09		8.39E-09
Ulexite, in ground	Raw	in ground	kg	4.98E-13	1.38E-12			4.13E-13		2.29E-12
Uranium, in ground	Raw	in ground	kg	6.70E-11	1.96E-10			6.03E-11		3.23E-10
Vermiculite, in ground	Raw	in ground	kg	2.53E-13	3.66E-13			1.22E-13		7.41E-13
Volume occupied, final repos	Raw	in ground	m3	1.38E-13	4.04E-13			1.24E-13		6.65E-13
Volume occupied, final repos	Raw	in ground	m3	3.44E-14	1.01E-13			3.10E-14		1.67E-13
Volume occupied, undergrou	Raw	in ground	m3	5.88E-12	6.70E-12			1.88E-12		1.45E-11
Zinc 9%, in sulfide, Zn 5.34%	Raw	in ground	kg	6.99E-10	2.75E-09			3.39E-09		6.84E-09
Energy, potential, stock, in ba	Raw	in water	MJ	4.73E-05	5.81E-05			1.04E-05		1.16E-04
Magnesium, 0.13% in water	Raw	in water	kg	1.23E-14	3.41E-14			1.09E-14		5.73E-14
Volume occupied, reservoir	Raw	in water	m3y	6.83E-07	8.40E-07			1.97E-07		1.72E-06
Water, cooling, unspecified n	Raw	in water	m3	9.42E-06	1.01E-05			6.23E-07		2.01E-05
Water, lake	Raw	in water	m3	2.48E-10	3.57E-10			1.19E-10		7.24E-10
Water, river	Raw	in water	m3	1.72E-06	1.77E-06			1.16E-07		3.60E-06
Water, salt, ocean	Raw	in water	m3	1.85E-07	1.94E-07			2.44E-08		4.03E-07
Water, salt, sole	Raw	in water	m3	1.98E-08	2.01E-08			1.44E-09		4.14E-08
Water, turbine use, unspecifie	Raw	in water	m3	2.78E-04	3.52E-04			5.01E-05		6.80E-04
Water, unspecified natural ori	Raw	in water	m3	8.06E-05	8.08E-05			5.31E-07		1.62E-04
Water, well, in ground	Raw	in water	m3	2.07E-08	3.66E-08			9.51E-09		6.68E-08
Occup. as Convent. arable la	Raw	land	m2a	2.91E-10	4.09E-10			1.56E-09		2.25E-09

				Traitement du jean						Traitement du jean
				Stonewash	Délavage au chlore	Délavage peroxyde	Moustaches	Vaporisation	Rejets dans l'eau	TOTAL
Occupation, construction site	Raw	land	m2a	2.83E-08	2.90E-08			2.36E-08		8.08E-08
Occupation, dump site	Raw	land	m2a	1.64E-08	2.93E-08			1.91E-08		6.47E-08
Occupation, dump site, benth	Raw	land	m2a	6.61E-08	6.64E-08			1.86E-08		1.51E-07
Occup. as Forest land	Raw	land	m2a	1.34E-09	5.91E-09			1.77E-09		9.02E-09
Occup. as Forest land	Raw	land	m2a	1.04E-07	2.67E-07			8.64E-08		4.58E-07
Occup. as Industrial area	Raw	land	m2a	1.81E-07	1.87E-07			2.55E-08		3.93E-07
Occupation, industrial area, b	Raw	land	m2a	6.30E-10	6.32E-10			2.19E-10		1.48E-09
Occupation, industrial area, b	Raw	land	m2a	7.72E-09	1.75E-08			3.31E-09		2.85E-08
Occupation, industrial area, v	Raw	land	m2a	3.30E-09	6.48E-09			1.15E-09		1.09E-08
Occupation, mineral extractio	Raw	land	m2a	4.26E-08	5.08E-08			1.96E-08		1.13E-07
Occupation, permanent crop,	Raw	land	m2a	9.06E-10	9.12E-10			3.36E-10		2.15E-09
Occup. as Discont. urban lan	Raw	land	m2a	7.27E-10	9.32E-10			2.51E-10		1.91E-09
Occup. as rail/ road area	Raw	land	m2a	1.98E-09	2.40E-09			6.58E-10		5.04E-09
Occup. as rail/ road area	Raw	land	m2a	2.18E-09	2.65E-09			7.27E-10		5.56E-09
Occup. as rail/ road area	Raw	land	m2a	1.61E-09	3.50E-09			1.25E-09		6.37E-09
Occup. as rail/ road area	Raw	land	m2a	2.72E-08	3.03E-08			5.12E-09		6.26E-08
Occup. as Contin. urban land	Raw	land	m2a	5.51E-12	6.05E-12			2.54E-12		1.41E-11
Occupation, water bodies, art	Raw	land	m2a	4.37E-08	5.82E-08			1.41E-08		1.16E-07
Occupation, water courses, a	Raw	land	m2a	3.36E-08	4.11E-08			5.53E-09		8.02E-08
Transformation, from arable	Raw	land	m2	6.37E-12	1.25E-11			5.44E-12		2.44E-11
Transformation, from arable,	Raw	land	m2	5.37E-10	7.55E-10			2.82E-09		4.11E-09
Transformation, from arable,	Raw	land	m2	7.19E-13	9.31E-13			4.53E-13		2.10E-12
Transformation, from dump si	Raw	land	m2	9.99E-11	1.12E-10			3.22E-11		2.44E-10
Transformation, from dump si	Raw	land	m2	3.72E-11	6.51E-11			1.67E-11		1.19E-10
Transformation, from dump si	Raw	land	m2	7.85E-12	8.47E-12			9.59E-13		1.73E-11
Transformation, from dump si	Raw	land	m2	2.43E-13	3.03E-13			6.96E-14		6.15E-13
Transformation, from forest	Raw	land	m2	8.64E-08	8.71E-08			1.75E-08		1.91E-07
Transformation, from forest, e	Raw	land	m2	7.73E-10	2.02E-09			6.56E-10		3.45E-09
Transformation, from industri	Raw	land	m2	1.10E-09	1.12E-09			2.97E-10		2.52E-09
Transformation, from industri	Raw	land	m2	7.42E-12	7.44E-12			2.64E-12		1.75E-11
Transformation, from industri	Raw	land	m2	2.91E-13	3.12E-13			6.53E-14		6.68E-13
Transformation, from industri	Raw	land	m2	4.97E-13	5.32E-13			1.12E-13		1.14E-12
Transformation, from mineral	Raw	land	m2	1.07E-09	1.22E-09			5.28E-10		2.82E-09
Transformation, from pasture	Raw	land	m2	1.51E-09	1.63E-09			4.03E-10		3.54E-09
Transformation, from pasture	Raw	land	m2	4.33E-13	6.08E-13			2.27E-12		3.31E-12
Transformation, from sea anc	Raw	land	m2	6.61E-08	6.64E-08			1.86E-08		1.51E-07
Transformation, from shrub la	Raw	land	m2	3.16E-10	4.01E-10			7.99E-11		7.97E-10
Transformation, from unknow	Raw	land	m2	5.89E-09	6.78E-09			2.34E-09		1.50E-08
Transformation, to arable	Raw	land	m2	1.21E-08	1.22E-08			3.84E-09		2.82E-08
Transformation, to arable, no	Raw	land	m2	5.38E-10	7.56E-10			2.82E-09		4.11E-09
Transformation, to arable, no	Raw	land	m2	1.45E-12	1.89E-12			7.12E-13		4.06E-12
Transformation, to dump site	Raw	land	m2	1.12E-10	2.09E-10			1.43E-10		4.64E-10
Transformation, to dump site,	Raw	land	m2	6.61E-08	6.64E-08			1.86E-08		1.51E-07
Transformation, to dump site,	Raw	land	m2	9.99E-11	1.12E-10			3.22E-11		2.44E-10
Transformation, to dump site,	Raw	land	m2	3.72E-11	6.51E-11			1.67E-11		1.19E-10
Transformation, to dump site,	Raw	land	m2	7.85E-12	8.47E-12			9.59E-13		1.73E-11
Transformation, to dump site,	Raw	land	m2	2.43E-13	3.03E-13			6.96E-14		6.15E-13
Transformation, to forest	Raw	land	m2	8.90E-10	9.66E-10			4.48E-10		2.30E-09
Transformation, to forest, inte	Raw	land	m2	8.93E-12	3.94E-11			1.18E-11		6.01E-11
Transformation, to forest, inte	Raw	land	m2	7.48E-10	1.95E-09			6.35E-10		3.33E-09
Transformation, to heterogen	Raw	land	m2	4.20E-09	4.23E-09			9.62E-10		9.38E-09
Transformation, to industrial a	Raw	land	m2	2.50E-09	2.61E-09			4.48E-10		5.56E-09
Transformation, to industrial a	Raw	land	m2	1.82E-11	1.86E-11			5.74E-12		4.26E-11
Transformation, to industrial a	Raw	land	m2	1.56E-10	3.57E-10			8.32E-11		5.95E-10
Transformation, to industrial a	Raw	land	m2	8.41E-11	1.51E-10			2.57E-11		2.61E-10
Transformation, to mineral ex	Raw	land	m2	7.33E-08	7.42E-08			1.43E-08		1.62E-07
Transformation, to pasture ar	Raw	land	m2	1.09E-09	1.09E-09			2.89E-10		2.47E-09
Transformation, to permanen	Raw	land	m2	9.06E-12	9.12E-12			3.36E-12		2.15E-11
Transformation, to sea and o	Raw	land	m2	7.42E-12	7.44E-12			2.64E-12		1.75E-11
Transformation, to shrub land	Raw	land	m2	1.45E-10	1.86E-10			4.99E-11		3.81E-10
Transformation, to traffic area	Raw	land	m2	4.60E-12	5.58E-12			1.53E-12		1.17E-11
Transformation, to traffic area	Raw	land	m2	5.06E-12	6.13E-12			1.68E-12		1.29E-11
Transformation, to traffic area	Raw	land	m2	8.91E-12	2.18E-11			7.38E-12		3.81E-11
Transformation, to traffic area	Raw	land	m2	3.35E-10	3.71E-10			5.95E-11		7.66E-10
Transformation, to unknown	Raw	land	m2	2.77E-10	3.03E-10			8.66E-11		6.67E-10
Transformation, to urban, disc	Raw	land	m2	1.10E-13	1.21E-13			5.05E-14		2.81E-13
Transformation, to water bodi	Raw	land	m2	8.78E-10	1.00E-09			3.82E-10		2.26E-09
Transformation, to water cour	Raw	land	m2	3.90E-10	4.81E-10			6.55E-11		9.36E-10
Acetic acid	Air		kg	1.14E-11	1.18E-11			2.41E-12		2.56E-11
Aluminum	Air		kg	3.81E-10	6.28E-10			2.98E-10		1.31E-09
Ammonia	Air		kg	2.04E-10	3.30E-10			1.32E-10		6.66E-10
Antimony	Air		kg	7.51E-16	8.48E-16			2.05E-16		1.80E-15
Arsenic	Air		kg	4.51E-15	5.10E-15			1.23E-15		1.08E-14
Benzene	Air		kg	9.95E-12	1.30E-11			4.43E-12		2.74E-11
Benzene, hexachloro-	Air		kg	1.28E-14	1.33E-14			5.04E-15		3.11E-14
Benzo(a)pyrene	Air		kg	2.52E-14	2.91E-14			1.16E-14		6.59E-14
Beryllium	Air		kg	1.13E-15	1.27E-15			3.07E-16		2.71E-15
Butadiene	Air		kg	3.38E-18	3.44E-18			3.42E-19		7.15E-18
Cadmium	Air		kg	5.30E-14	5.59E-14			1.95E-14		1.28E-13
Carbon dioxide, biogenic	Air		kg	5.67E-09	6.40E-09			1.55E-09		1.36E-08
Carbon dioxide, fossil	Air		kg	2.29E-06	2.51E-06			5.60E-07		5.36E-06
Carbon monoxide, biogenic	Air		kg	3.98E-10	5.03E-10			2.40E-10		1.14E-09
Carbon monoxide, fossil	Air		kg	4.88E-08	5.10E-08			1.74E-08		1.17E-07
Chlorine	Air		kg	3.97E-16	4.71E-16			1.47E-15		2.34E-15
Chromium	Air		kg	1.72E-12	1.79E-12			6.37E-13		4.15E-12
Chromium VI	Air		kg	2.42E-16	2.82E-16			6.83E-17		5.92E-16
Cobalt	Air		kg	1.75E-15	2.39E-15			6.25E-16		4.76E-15
Copper	Air		kg	9.65E-13	1.05E-12			3.07E-13		2.33E-12
Dinitrogen monoxide	Air		kg	9.79E-11	1.82E-10			5.52E-11		3.35E-10
Dioxins, measured as 2,3,7,8	Air		kg	1.05E-14	1.09E-14			3.88E-15		2.52E-14
Ethane, 1,1,1,2-tetrafluoro-, H	Air		kg	8.33E-13	1.14E-12			2.23E-13		2.19E-12
Ethane, hexafluoro-, HFC-11(	Air		kg	1.22E-13	1.53E-13			7.32E-14		3.48E-13
Ethylene oxide	Air		kg	3.26E-17	3.32E-17			3.30E-18		6.90E-17
Ethyne	Air		kg	5.95E-15	1.12E-14			5.79E-15		2.29E-14
Fluorine	Air		kg	1.39E-18	3.83E-18			1.19E-18		6.42E-18

				Traitement du jean						Traitement du jean
				Stonewash	Délavage au chlore	Délavage peroxyde	Moustaches	Vaporisation	Rejets dans l'eau	TOTAL
Formaldehyde	Air		kg	3.42E-13	1.07E-12			3.10E-13		1.72E-12
Heat, waste	Air		MJ	3.66E-05	4.11E-05			1.06E-05		8.83E-05
Helium	Air		kg	2.25E-20	2.54E-20			8.88E-21		5.68E-20
Hydrocarbons, aliphatic, alka	Air		kg	1.67E-10	1.73E-10			6.75E-11		4.08E-10
Hydrocarbons, aromatic	Air		kg	4.92E-11	5.10E-11			1.94E-11		1.20E-10
Hydrocarbons, chlorinated	Air		kg	9.53E-14	1.53E-13			1.82E-13		4.30E-13
Hydrogen	Air		kg	6.77E-13	6.99E-13			1.43E-13		1.52E-12
Hydrogen chloride	Air		kg	8.11E-11	9.70E-11			2.75E-11		2.06E-10
Hydrogen fluoride	Air		kg	1.59E-11	1.74E-11			6.55E-12		3.98E-11
Hydrogen sulfide	Air		kg	1.17E-11	1.21E-11			4.31E-12		2.80E-11
Iron	Air		kg	1.04E-11	1.08E-11			3.63E-12		2.48E-11
Lead	Air		kg	5.68E-12	5.93E-12			2.12E-12		1.37E-11
Manganese	Air		kg	1.41E-12	1.47E-12			5.03E-13		3.38E-12
Mercury	Air		kg	1.53E-12	1.59E-12			6.01E-13		3.72E-12
Methane, fossil	Air		kg	2.42E-10	2.59E-10			6.75E-11		5.69E-10
Methane, tetrafluoro-, FC-14	Air		kg	1.09E-12	1.38E-12			6.60E-13		3.13E-12
Methanol	Air		kg	5.75E-12	5.93E-12			1.22E-12		1.29E-11
Molybdenum	Air		kg	3.96E-18	1.16E-17			3.51E-18		1.91E-17
Nickel	Air		kg	9.49E-13	9.91E-13			3.51E-13		2.29E-12
Nitrogen oxides	Air		kg	4.18E-08	4.52E-08			1.14E-08		9.84E-08
NMVOC, non-methane volatil	Air		kg	5.45E-09	5.94E-09			1.58E-09		1.30E-08
Ozone	Air		kg	5.17E-11	1.22E-10			3.67E-11		2.11E-10
PAH, polycyclic aromatic hyd	Air		kg	2.01E-12	2.18E-12			7.54E-13		4.95E-12
Particulates, < 2.5 um	Air		kg	4.39E-09	4.65E-09			1.19E-09		1.02E-08
Particulates, > 10 um	Air		kg	3.85E-10	4.78E-10			1.31E-10		9.93E-10
Particulates, > 2.5 um, and <	Air		kg	3.83E-10	4.47E-10			1.35E-10		9.65E-10
Phenol	Air		kg	1.36E-15	4.73E-15			1.32E-15		7.41E-15
Phosphorus	Air		kg	4.21E-16	5.00E-16			1.56E-15		2.49E-15
Platinum	Air		kg	3.83E-20	4.58E-20			2.26E-18		2.35E-18
Polychlorinated biphenyls	Air		kg	2.22E-14	2.30E-14			8.56E-15		5.38E-14
Selenium	Air		kg	3.97E-15	4.46E-15			1.11E-15		9.53E-15
Silicon	Air		kg	8.91E-20	1.00E-19			3.51E-20		2.25E-19
Sodium	Air		kg	1.62E-16	2.79E-16			3.66E-17		4.78E-16
Sulfate	Air		kg	5.75E-14	5.78E-14			2.16E-14		1.37E-13
Sulfur dioxide	Air		kg	2.18E-09	2.30E-09			7.75E-10		5.25E-09
Sulfur hexafluoride	Air		kg	7.88E-13	1.98E-12			6.23E-13		3.39E-12
Thallium	Air		kg	4.88E-15	5.51E-15			1.33E-15		1.17E-14
Tin	Air		kg	9.30E-15	1.68E-14			3.99E-15		3.01E-14
Titanium	Air		kg	1.83E-14	1.89E-14			6.77E-15		4.40E-14
Toluene	Air		kg	3.64E-12	4.89E-12			5.95E-12		1.45E-11
Vanadium	Air		kg	5.23E-14	5.43E-14			1.92E-14		1.26E-13
water	Air		kg	5.85E-10	9.64E-10			4.57E-10		2.01E-09
Xylene	Air		kg	3.61E-12	4.85E-12			5.19E-12		1.37E-11
Zinc	Air		kg	1.62E-11	1.80E-11			8.25E-12		4.25E-11
Acenaphthene	Air	high. pop	kg	6.04E-15	6.05E-15			3.29E-16		1.24E-14
Acetaldehyde	Air	high. pop	kg	2.32E-10	2.35E-10			1.52E-11		4.82E-10
Acetic acid	Air	high. pop	kg	1.84E-09	1.86E-09			3.65E-10		4.07E-09
Acetone	Air	high. pop	kg	2.26E-10	2.29E-10			1.31E-11		4.68E-10
Acrolein	Air	high. pop	kg	4.79E-15	4.94E-15			1.04E-15		1.08E-14
Aldehydes, unspecified	Air	high. pop	kg	2.74E-13	2.89E-13			8.33E-14		6.46E-13
Aluminum	Air	high. pop	kg	6.11E-12	1.84E-11			4.86E-12		2.94E-11
Ammonia	Air	high. pop	kg	1.51E-10	3.77E-10			3.35E-11		5.62E-10
Ammonium carbonate	Air	high. pop	kg	3.86E-15	7.38E-15			9.14E-15		2.04E-14
Antimony	Air	high. pop	kg	1.56E-15	3.87E-15			7.90E-16		6.22E-15
Arsenic	Air	high. pop	kg	7.20E-12	7.31E-12			4.34E-13		1.49E-11
Barium	Air	high. pop	kg	7.22E-14	2.18E-13			6.25E-14		3.53E-13
Benzaldehyde	Air	high. pop	kg	2.50E-15	2.58E-15			5.41E-16		5.61E-15
Benzene	Air	high. pop	kg	2.06E-10	2.11E-10			7.10E-10		1.13E-09
Benzene, ethyl-	Air	high. pop	kg	3.24E-11	3.30E-11			2.31E-12		6.77E-11
Benzene, hexachloro-	Air	high. pop	kg	4.64E-17	6.43E-17			4.49E-17		1.56E-16
Benzene, pentachloro-	Air	high. pop	kg	1.17E-16	1.62E-16			1.13E-16		3.91E-16
Benzo(a)pyrene	Air	high. pop	kg	1.80E-14	1.87E-14			1.86E-14		5.53E-14
Beryllium	Air	high. pop	kg	5.04E-14	5.24E-14			3.46E-15		1.06E-13
Boron	Air	high. pop	kg	2.99E-13	8.56E-13			2.49E-13		1.40E-12
Bromine	Air	high. pop	kg	5.41E-14	1.32E-13			3.84E-14		2.24E-13
Butane	Air	high. pop	kg	8.44E-09	8.48E-09			1.69E-09		1.86E-08
Butene	Air	high. pop	kg	3.24E-11	3.29E-11			2.22E-12		6.76E-11
Cadmium	Air	high. pop	kg	4.05E-12	4.11E-12			2.50E-13		8.40E-12
Calcium	Air	high. pop	kg	3.41E-11	4.10E-11			5.01E-12		8.01E-11
Carbon dioxide, biogenic	Air	high. pop	kg	9.46E-08	2.06E-07			6.99E-08		3.70E-07
Carbon dioxide, fossil	Air	high. pop	kg	5.39E-04	5.41E-04			1.36E-04		1.22E-03
Carbon disulfide	Air	high. pop	kg	7.61E-16	8.53E-16			2.35E-16		1.85E-15
Carbon monoxide, biogenic	Air	high. pop	kg	1.22E-11	3.01E-11			8.78E-12		5.11E-11
Carbon monoxide, fossil	Air	high. pop	kg	1.18E-07	1.19E-07			2.32E-08		2.60E-07
Chlorine	Air	high. pop	kg	2.64E-11	1.47E-10			8.33E-12		1.81E-10
Chloroform	Air	high. pop	kg	1.31E-15	3.72E-15			1.18E-15		6.21E-15
Chromium	Air	high. pop	kg	1.23E-11	1.24E-11			7.28E-13		2.54E-11
Chromium VI	Air	high. pop	kg	2.82E-13	2.88E-13			1.76E-14		5.88E-13
Cobalt	Air	high. pop	kg	3.72E-11	3.77E-11			2.17E-12		7.70E-11
Copper	Air	high. pop	kg	5.01E-11	5.20E-11			3.21E-12		1.05E-10
Cumene	Air	high. pop	kg	4.14E-12	4.64E-12			1.38E-12		1.02E-11
Cyanide	Air	high. pop	kg	2.58E-13	3.14E-13			2.70E-13		8.42E-13
Dinitrogen monoxide	Air	high. pop	kg	1.21E-08	1.22E-08			1.70E-09		2.60E-08
Dioxins, measured as 2,3,7,8	Air	high. pop	kg	2.08E-17	4.40E-17			1.00E-17		7.49E-17
Ethane	Air	high. pop	kg	1.08E-08	1.08E-08			5.93E-10		2.22E-08
Ethane, 1,1,1,2-tetrafluoro-, H	Air	high. pop	kg	9.24E-19	2.33E-18			7.29E-19		3.98E-18
Ethane, 1,2-dichloro-	Air	high. pop	kg	1.56E-13	2.10E-13			1.19E-13		4.84E-13
Ethanol	Air	high. pop	kg	4.62E-10	4.67E-10			2.68E-11		9.57E-10
Ethene	Air	high. pop	kg	6.88E-11	7.34E-11			6.38E-12		1.49E-10
Ethene, chloro-	Air	high. pop	kg	9.61E-14	1.94E-13			2.03E-13		4.93E-13
Ethylene diamine	Air	high. pop	kg	3.61E-18	6.86E-18			2.44E-18		1.29E-17
Ethylene oxide	Air	high. pop	kg	7.07E-14	7.21E-14			1.83E-14		1.61E-13
Ethyne	Air	high. pop	kg	2.76E-13	8.50E-13			2.30E-13		1.36E-12
Fluorine	Air	high. pop	kg	4.12E-14	8.52E-14			3.52E-14		1.62E-13
Fluosilicic acid	Air	high. pop	kg	1.42E-13	1.79E-13			8.56E-14		4.07E-13

			Traitement du jean						Traitement du jean
			Stonewash	Délavage au chlore	Délavage peroxyde	Moustaches	Vaporisation	Rejets dans l'eau	TOTAL
Formaldehyde	Air	high. pop.	kg	9.47E-10	9.58E-10			2.29E-10	2.13E-09
Heat, waste	Air	high. pop.	MJ	6.67E-03	6.75E-03			2.46E-03	1.59E-02
Heptane	Air	high. pop.	kg	3.24E-10	3.29E-10			2.22E-11	6.75E-10
Hexane	Air	high. pop.	kg	6.73E-09	6.76E-09			3.77E-10	1.39E-08
Hydrocarbons, aliphatic, alka	Air	high. pop.	kg	3.85E-15	9.45E-15			1.54E-15	1.48E-14
Hydrocarbons, aliphatic, alka	Air	high. pop.	kg	9.54E-10	9.70E-10			5.88E-11	1.98E-09
Hydrocarbons, aliphatic, unsa	Air	high. pop.	kg	4.84E-11	5.21E-11			4.64E-12	1.05E-10
Hydrocarbons, aromatic	Air	high. pop.	kg	1.38E-11	1.44E-11			5.03E-12	3.33E-11
Hydrocarbons, chlorinated	Air	high. pop.	kg	2.59E-14	7.21E-14			2.08E-14	1.19E-13
Hydrogen	Air	high. pop.	kg	1.67E-10	2.25E-09			4.46E-11	2.46E-09
Hydrogen chloride	Air	high. pop.	kg	9.97E-11	1.48E-10			2.54E-11	2.73E-10
Hydrogen fluoride	Air	high. pop.	kg	3.11E-11	3.29E-11			2.49E-12	6.65E-11
Hydrogen sulfide	Air	high. pop.	kg	3.16E-13	3.30E-13			1.46E-13	7.92E-13
Iodine	Air	high. pop.	kg	6.19E-15	1.92E-14			5.15E-15	3.06E-14
Iron	Air	high. pop.	kg	6.87E-11	7.46E-11			5.92E-12	1.49E-10
Isocyanic acid	Air	high. pop.	kg	5.22E-13	1.51E-12			4.60E-13	2.49E-12
Lead	Air	high. pop.	kg	3.66E-11	3.72E-11			2.19E-12	7.60E-11
Lead-210	Air	high. pop.	Bq	2.52E-08	7.87E-08			2.09E-08	1.25E-07
m-Xylene	Air	high. pop.	kg	7.48E-14	1.77E-13			5.27E-14	3.05E-13
Magnesium	Air	high. pop.	kg	2.37E-12	7.05E-12			1.88E-12	1.13E-11
Manganese	Air	high. pop.	kg	1.15E-11	1.18E-11			7.45E-13	2.41E-11
Mercury	Air	high. pop.	kg	5.51E-13	8.88E-12			1.24E-13	9.56E-12
Methane, biogenic	Air	high. pop.	kg	3.20E-11	4.62E-11			1.21E-11	9.03E-11
Methane, chlorodifluoro-, HCl	Air	high. pop.	kg	1.28E-17	3.22E-17			1.01E-17	5.51E-17
Methane, dichloro-, HCC-30	Air	high. pop.	kg	3.99E-17	1.12E-16			3.59E-17	1.88E-16
Methane, dichlorodifluoro-, C	Air	high. pop.	kg	4.58E-17	7.66E-17			1.66E-17	1.39E-16
Methane, dichlorofluoro-, HCl	Air	high. pop.	kg	1.80E-21	4.52E-21			1.42E-21	7.74E-21
Methane, fossil	Air	high. pop.	kg	1.80E-08	1.81E-08			5.48E-09	4.16E-08
Methane, monochloro-, R-40	Air	high. pop.	kg	6.94E-19	1.21E-18			7.42E-20	1.97E-18
Methane, tetrachloro-, CFC-1	Air	high. pop.	kg	4.10E-14	1.81E-11			1.23E-14	1.82E-11
Methane, trichlorofluoro-, CFC	Air	high. pop.	kg	3.40E-21	8.55E-21			2.69E-21	1.46E-20
Methane, trifluoro-, HFC-23	Air	high. pop.	kg	5.74E-19	1.44E-18			4.51E-19	2.46E-18
Methanol	Air	high. pop.	kg	4.66E-10	4.72E-10			2.72E-11	9.65E-10
Molybdenum	Air	high. pop.	kg	8.30E-12	8.40E-12			4.90E-13	1.72E-11
Monoethanolamine	Air	high. pop.	kg	1.01E-13	1.52E-13			1.22E-13	3.74E-13
Nickel	Air	high. pop.	kg	2.96E-10	3.00E-10			1.74E-11	6.13E-10
Nitrate	Air	high. pop.	kg	1.78E-14	2.91E-14			1.36E-14	6.04E-14
Nitrogen oxides	Air	high. pop.	kg	7.17E-07	7.22E-07			8.57E-08	1.52E-06
NMVOC, non-methane volatil	Air	high. pop.	kg	2.63E-09	2.67E-09			6.98E-10	6.00E-09
Ozone	Air	high. pop.	kg	8.66E-15	1.25E-14			4.17E-15	2.53E-14
PAH, polycyclic aromatic hyd	Air	high. pop.	kg	6.26E-11	6.28E-11			2.08E-11	1.46E-10
Paraffins	Air	high. pop.	kg	2.19E-17	2.94E-17			2.48E-17	7.61E-17
Particulates, < 2.5 um	Air	high. pop.	kg	1.32E-08	1.34E-08			1.03E-09	2.76E-08
Particulates, > 10 um	Air	high. pop.	kg	7.24E-09	7.36E-09			4.76E-10	1.51E-08
Particulates, > 2.5 um, and <	Air	high. pop.	kg	6.10E-09	6.21E-09			4.19E-10	1.27E-08
Pentane	Air	high. pop.	kg	1.05E-08	1.06E-08			2.68E-09	2.38E-08
Phenol	Air	high. pop.	kg	8.42E-14	2.65E-13			7.44E-14	4.24E-13
Phenol, pentachloro-	Air	high. pop.	kg	1.78E-17	2.96E-17			1.59E-17	6.33E-17
Phosphorus	Air	high. pop.	kg	3.21E-13	6.71E-13			1.90E-13	1.18E-12
Platinum	Air	high. pop.	kg	6.30E-20	1.65E-19			7.44E-20	3.02E-19
Polonium-210	Air	high. pop.	Bq	4.63E-08	1.44E-07			3.83E-08	2.29E-07
Potassium	Air	high. pop.	kg	1.54E-11	3.69E-11			1.09E-11	6.32E-11
Potassium-40	Air	high. pop.	Bq	7.32E-09	2.29E-08			6.08E-09	3.63E-08
Propanal	Air	high. pop.	kg	2.50E-15	2.58E-15			5.41E-16	5.61E-15
Propane	Air	high. pop.	kg	6.79E-09	6.83E-09			7.38E-10	1.44E-08
Propene	Air	high. pop.	kg	6.71E-11	6.90E-11			5.44E-12	1.42E-10
Propionic acid	Air	high. pop.	kg	1.22E-10	1.23E-10			4.13E-11	2.86E-10
Propylene oxide	Air	high. pop.	kg	9.55E-14	1.12E-13			1.52E-14	2.23E-13
Radioactive species, other be	Air	high. pop.	Bq	6.02E-07	2.05E-06			3.16E-07	2.97E-06
Radium-226	Air	high. pop.	Bq	6.50E-09	2.03E-08			5.40E-09	3.22E-08
Radium-228	Air	high. pop.	Bq	3.53E-08	1.10E-07			2.91E-08	1.74E-07
Radon-220	Air	high. pop.	Bq	5.44E-10	1.69E-09			4.53E-10	2.69E-09
Radon-222	Air	high. pop.	Bq	5.44E-10	1.69E-09			4.53E-10	2.69E-09
Scandium	Air	high. pop.	kg	6.84E-16	2.13E-15			5.66E-16	3.39E-15
Selenium	Air	high. pop.	kg	5.52E-12	5.59E-12			3.29E-13	1.14E-11
Silicon	Air	high. pop.	kg	1.16E-11	2.99E-11			8.74E-12	5.02E-11
Silver	Air	high. pop.	kg	7.02E-19	1.06E-18			5.28E-19	2.29E-18
Sodium	Air	high. pop.	kg	2.86E-10	2.92E-10			1.81E-11	5.96E-10
Sodium chlorate	Air	high. pop.	kg	6.86E-14	7.63E-14			1.66E-14	1.61E-13
Sodium dichromate	Air	high. pop.	kg	1.75E-14	3.73E-14			5.06E-14	1.05E-13
Sodium formate	Air	high. pop.	kg	2.21E-16	1.19E-15			2.25E-15	3.67E-15
Strontium	Air	high. pop.	kg	1.03E-13	3.21E-13			8.57E-14	5.10E-13
Sulfate	Air	high. pop.	kg	1.65E-10	5.24E-10			5.38E-11	7.43E-10
Sulfur dioxide	Air	high. pop.	kg	5.52E-07	5.60E-07			3.39E-08	1.15E-06
t-Butyl methyl ether	Air	high. pop.	kg	3.92E-15	5.97E-15			1.82E-13	1.92E-13
Thallium	Air	high. pop.	kg	9.31E-16	2.75E-15			7.37E-16	4.42E-15
Thorium	Air	high. pop.	kg	1.03E-15	3.21E-15			8.55E-16	5.10E-15
Thorium-228	Air	high. pop.	Bq	2.98E-09	9.30E-09			2.47E-09	1.48E-08
Thorium-232	Air	high. pop.	Bq	1.90E-09	5.92E-09			1.57E-09	9.39E-09
Tin	Air	high. pop.	kg	2.66E-15	3.92E-15			2.07E-15	8.65E-15
Titanium	Air	high. pop.	kg	2.40E-13	6.84E-13			2.14E-13	1.14E-12
Toluene	Air	high. pop.	kg	2.16E-10	2.20E-10			3.63E-10	8.00E-10
Uranium	Air	high. pop.	kg	1.38E-15	4.28E-15			1.14E-15	6.80E-15
Uranium-238	Air	high. pop.	Bq	5.44E-09	1.69E-08			4.49E-09	2.68E-08
Vanadium	Air	high. pop.	kg	1.06E-09	1.08E-09			6.23E-11	2.20E-09
Xylene	Air	high. pop.	kg	1.30E-10	1.32E-10			9.34E-12	2.71E-10
Zinc	Air	high. pop.	kg	2.64E-11	2.82E-11			1.96E-12	5.65E-11
Acetone	Air	low. pop.	kg	5.43E-13	1.56E-12			4.67E-13	2.57E-12
Acrolein	Air	low. pop.	kg	6.68E-16	1.93E-15			5.76E-16	3.17E-15
Actinides, radioactive, unspe	Air	low. pop.	Bq	1.48E-12	4.33E-12			1.31E-12	7.11E-12
Aerosols, radioactive, unspec	Air	low. pop.	Bq	2.78E-08	8.28E-08			2.50E-08	1.36E-07
Aldehydes, unspecified	Air	low. pop.	kg	5.31E-14	1.56E-13			4.79E-14	2.57E-13
Aluminum	Air	low. pop.	kg	1.49E-12	1.56E-12			5.76E-13	3.62E-12
Ammonia	Air	low. pop.	kg	1.10E-10	1.42E-10			3.36E-11	2.85E-10
Antimony	Air	low. pop.	kg	1.78E-13	3.04E-13			2.53E-13	7.36E-13

			Traitement du jean						Traitement du jean
			Stonewash	Délavage au chlore	Délavage peroxyde	Moustaches	Vaporisation	Rejets dans l'eau	TOTAL
Antimony-124	Air	low. pop.	Bq	1.64E-13	4.28E-13			1.94E-13		7.87E-13
Antimony-125	Air	low. pop.	Bq	1.71E-12	4.47E-12			2.02E-12		8.20E-12
Argon-41	Air	low. pop.	Bq	1.87E-05	5.35E-05			1.61E-05		8.83E-05
Arsenic	Air	low. pop.	kg	1.46E-12	2.34E-12			1.99E-12		5.78E-12
Barium	Air	low. pop.	kg	4.11E-13	1.19E-12			3.54E-13		1.95E-12
Barium-140	Air	low. pop.	Bq	1.11E-10	2.91E-10			1.32E-10		5.34E-10
Benzene	Air	low. pop.	kg	2.58E-11	6.21E-11			1.76E-11		1.06E-10
Benzo(a)pyrene	Air	low. pop.	kg	1.07E-13	2.95E-13			8.83E-14		4.90E-13
Beryllium	Air	low. pop.	kg	9.72E-16	1.46E-15			1.23E-15		3.66E-15
Boron	Air	low. pop.	kg	4.04E-11	1.20E-10			3.55E-11		1.95E-10
Bromine	Air	low. pop.	kg	2.52E-12	7.34E-12			2.18E-12		1.20E-11
Butadiene	Air	low. pop.	kg	2.37E-19	2.42E-19			2.41E-20		5.03E-19
Butane	Air	low. pop.	kg	1.94E-09	1.95E-09			2.56E-09		6.44E-09
Cadmium	Air	low. pop.	kg	4.31E-13	6.63E-13			6.27E-13		1.72E-12
Calcium	Air	low. pop.	kg	1.96E-13	2.06E-13			7.17E-14		4.74E-13
Carbon-14	Air	low. pop.	Bq	1.18E-04	3.47E-04			1.07E-04		5.71E-04
Carbon dioxide, biogenic	Air	low. pop.	kg	2.34E-09	4.41E-09			1.57E-09		8.32E-09
Carbon dioxide, fossil	Air	low. pop.	kg	2.07E-05	2.53E-05			6.59E-06		5.26E-05
Carbon disulfide	Air	low. pop.	kg	4.50E-11	6.82E-11			8.01E-11		1.93E-10
Carbon monoxide, biogenic	Air	low. pop.	kg	3.65E-12	4.72E-12			4.42E-12		1.28E-11
Carbon monoxide, fossil	Air	low. pop.	kg	4.39E-08	4.58E-08			1.18E-08		1.01E-07
Cerium-141	Air	low. pop.	Bq	2.70E-11	7.05E-11			3.20E-11		1.30E-10
Cesium-134	Air	low. pop.	Bq	1.29E-12	3.38E-12			1.53E-12		6.20E-12
Cesium-137	Air	low. pop.	Bq	2.30E-11	5.99E-11			2.72E-11		1.10E-10
Chlorine	Air	low. pop.	kg	6.09E-18	7.53E-18			9.30E-18		2.29E-17
Chromium	Air	low. pop.	kg	4.45E-12	1.78E-11			1.04E-11		3.26E-11
Chromium-51	Air	low. pop.	Bq	1.73E-12	4.52E-12			2.05E-12		8.31E-12
Chromium VI	Air	low. pop.	kg	1.13E-13	4.54E-13			2.60E-13		8.27E-13
Cobalt	Air	low. pop.	kg	3.46E-13	5.76E-13			2.76E-13		1.20E-12
Cobalt-58	Air	low. pop.	Bq	2.41E-12	6.30E-12			2.85E-12		1.16E-11
Cobalt-60	Air	low. pop.	Bq	2.13E-11	5.56E-11			2.52E-11		1.02E-10
Copper	Air	low. pop.	kg	5.75E-12	8.37E-12			6.72E-12		2.08E-11
Cyanide	Air	low. pop.	kg	9.02E-14	3.16E-13			1.50E-13		5.57E-13
Dinitrogen monoxide	Air	low. pop.	kg	2.48E-10	3.47E-10			8.48E-11		6.80E-10
Dioxins, measured as 2,3,7,8	Air	low. pop.	kg	2.39E-16	5.78E-16			2.51E-16		1.07E-15
Ethane	Air	low. pop.	kg	3.83E-08	3.84E-08			2.13E-08		9.79E-08
Ethane, 1,1,1,2-tetrafluoro-, H	Air	low. pop.	kg	2.94E-15	8.34E-15			2.58E-15		1.39E-14
Ethane, 1,2-dichloro-1,1,2,2-t	Air	low. pop.	kg	2.90E-14	8.21E-14			2.56E-14		1.37E-13
Ethanol	Air	low. pop.	kg	1.53E-14	4.32E-14			1.34E-14		7.19E-14
Ethene	Air	low. pop.	kg	4.06E-12	4.26E-12			1.62E-12		9.94E-12
Ethylene oxide	Air	low. pop.	kg	2.30E-18	2.34E-18			2.33E-19		4.88E-18
Ethyne	Air	low. pop.	kg	1.30E-13	1.36E-13			5.07E-14		3.17E-13
Fluorine	Air	low. pop.	kg	2.71E-13	4.15E-13			4.08E-13		1.09E-12
Formaldehyde	Air	low. pop.	kg	3.15E-12	6.33E-12			3.17E-12		1.27E-11
Heat, waste	Air	low. pop.	MJ	2.56E-04	3.27E-04			8.30E-05		6.65E-04
Helium	Air	low. pop.	kg	6.25E-11	6.36E-11			5.30E-12		1.31E-10
Hexane	Air	low. pop.	kg	1.15E-12	3.37E-12			1.03E-12		5.55E-12
Hydrocarbons, aliphatic, alka	Air	low. pop.	kg	2.29E-09	2.31E-09			7.47E-10		5.34E-09
Hydrocarbons, aliphatic, unsa	Air	low. pop.	kg	5.23E-12	1.45E-11			4.36E-12		2.41E-11
Hydrocarbons, aromatic	Air	low. pop.	kg	1.19E-09	1.20E-09			3.88E-10		2.78E-09
Hydrogen-3, Tritium	Air	low. pop.	Bq	6.75E-04	2.00E-03			6.05E-04		3.28E-03
Hydrogen chloride	Air	low. pop.	kg	1.96E-10	5.57E-10			1.62E-10		9.15E-10
Hydrogen fluoride	Air	low. pop.	kg	4.75E-11	1.35E-10			4.00E-11		2.22E-10
Hydrogen sulfide	Air	low. pop.	kg	5.69E-09	5.70E-09			1.71E-09		1.31E-08
Iodine	Air	low. pop.	kg	1.38E-12	4.05E-12			1.20E-12		6.64E-12
Iodine-129	Air	low. pop.	Bq	1.19E-07	3.51E-07			1.07E-07		5.76E-07
Iodine-131	Air	low. pop.	Bq	7.43E-06	2.12E-05			6.38E-06		3.50E-05
Iodine-133	Air	low. pop.	Bq	1.33E-10	3.48E-10			1.57E-10		6.39E-10
Iron	Air	low. pop.	kg	6.00E-07	6.27E-07			2.33E-07		1.46E-06
Krypton-85	Air	low. pop.	Bq	5.86E-05	1.68E-04			5.05E-05		2.77E-04
Krypton-85m	Air	low. pop.	Bq	2.55E-06	6.88E-06			2.70E-06		1.21E-05
Krypton-87	Air	low. pop.	Bq	1.07E-06	2.97E-06			1.03E-06		5.07E-06
Krypton-88	Air	low. pop.	Bq	1.03E-06	2.82E-06			1.04E-06		4.89E-06
Krypton-89	Air	low. pop.	Bq	2.47E-07	6.57E-07			2.76E-07		1.18E-06
Lanthanum-140	Air	low. pop.	Bq	9.51E-12	2.49E-11			1.12E-11		4.57E-11
Lead	Air	low. pop.	kg	5.53E-12	9.08E-12			7.57E-12		2.22E-11
Lead-210	Air	low. pop.	Bq	5.07E-07	1.51E-06			4.47E-07		2.46E-06
Magnesium	Air	low. pop.	kg	5.41E-13	5.67E-13			2.07E-13		1.32E-12
Manganese	Air	low. pop.	kg	7.25E-13	1.24E-12			1.04E-12		3.00E-12
Manganese-54	Air	low. pop.	Bq	8.86E-13	2.31E-12			1.05E-12		4.25E-12
Mercury	Air	low. pop.	kg	6.91E-13	8.95E-13			2.63E-13		1.85E-12
Methane, biogenic	Air	low. pop.	kg	2.16E-10	2.41E-10			6.20E-11		5.19E-10
Methane, bromochlorodifluor	Air	low. pop.	kg	1.20E-11	1.20E-11			3.76E-12		2.77E-11
Methane, bromotrifluoro-, Hal	Air	low. pop.	kg	8.42E-13	8.56E-13			5.91E-14		1.76E-12
Methane, chlorodifluoro-, HCl	Air	low. pop.	kg	4.10E-11	4.12E-11			1.30E-11		9.52E-11
Methane, dichlorodifluoro-, C	Air	low. pop.	kg	4.08E-14	4.09E-14			1.33E-14		9.50E-14
Methane, fossil	Air	low. pop.	kg	1.23E-06	1.24E-06			5.83E-07		3.05E-06
Methanol	Air	low. pop.	kg	5.27E-12	5.64E-12			1.92E-12		1.28E-11
Molybdenum	Air	low. pop.	kg	2.31E-14	6.88E-14			2.03E-14		1.12E-13
Nickel	Air	low. pop.	kg	7.44E-12	9.49E-12			4.39E-12		2.13E-11
Niobium-95	Air	low. pop.	Bq	1.05E-13	2.75E-13			1.24E-13		5.05E-13
Nitrogen oxides	Air	low. pop.	kg	7.96E-08	8.73E-08			1.87E-08		1.86E-07
NMVOC, non-methane volatil	Air	low. pop.	kg	1.42E-07	1.43E-07			4.20E-08		3.26E-07
Noble gases, radioactive, uns	Air	low. pop.	Bq	1.14E+00	3.38E+00			1.03E+00		5.54E+00
PAH, polycyclic aromatic hyd	Air	low. pop.	kg	8.08E-13	9.48E-13			1.66E-13		1.92E-12
Particulates, < 2.5 um	Air	low. pop.	kg	7.62E-09	9.59E-09			2.26E-09		1.95E-08
Particulates, > 10 um	Air	low. pop.	kg	2.50E-08	3.29E-08			6.86E-09		6.48E-08
Particulates, > 2.5 um, and <	Air	low. pop.	kg	1.96E-08	2.31E-08			4.36E-09		4.70E-08
Pentane	Air	low. pop.	kg	3.47E-12	9.78E-12			2.92E-12		1.62E-11
Phenol	Air	low. pop.	kg	9.97E-13	1.38E-12			1.12E-12		3.50E-12
Phenol, pentachloro-	Air	low. pop.	kg	4.41E-14	1.27E-13			3.78E-14		2.09E-13
Phosphorus	Air	low. pop.	kg	9.16E-15	1.07E-14			3.86E-15		2.37E-14
Plutonium-238	Air	low. pop.	Bq	1.62E-14	4.79E-14			1.45E-14		7.86E-14
Plutonium-alpha	Air	low. pop.	Bq	3.71E-14	1.10E-13			3.34E-14		1.80E-13
Polonium-210	Air	low. pop.	Bq	8.83E-07	2.63E-06			7.82E-07		4.29E-06

			Traitement du jean						Traitement du jean
			Stonewash	Délavage au chlore	Délavage peroxyde	Moustaches	Vaporisation	Rejets dans l'eau	TOTAL
Potassium	Air	low. pop.	kg	1.78E-13	1.87E-13			7.48E-14		4.40E-13
Potassium-40	Air	low. pop.	Bq	1.03E-07	3.06E-07			9.08E-08		5.00E-07
Propane	Air	low. pop.	kg	1.15E-08	1.15E-08			7.66E-09		3.07E-08
Propene	Air	low. pop.	kg	6.38E-13	1.34E-12			4.21E-13		2.39E-12
Protactinium-234	Air	low. pop.	Bq	1.63E-08	4.78E-08			1.47E-08		7.88E-08
Radioactive species, other be	Air	low. pop.	Bq	8.64E-10	2.47E-09			7.44E-10		4.07E-09
Radium-226	Air	low. pop.	Bq	6.66E-07	1.94E-06			5.90E-07		3.20E-06
Radium-228	Air	low. pop.	Bq	3.80E-08	1.14E-07			3.36E-08		1.85E-07
Radon-222	Air	low. pop.	Bq	5.17E-02	1.49E-01			4.57E-02		2.47E-01
Ruthenium-103	Air	low. pop.	Bq	2.31E-14	6.04E-14			2.74E-14		1.11E-13
Scandium	Air	low. pop.	kg	3.39E-16	3.54E-16			1.32E-16		8.25E-16
Selenium	Air	low. pop.	kg	4.13E-13	8.86E-13			3.77E-13		1.68E-12
Silicon	Air	low. pop.	kg	2.72E-12	2.95E-12			1.73E-12		7.40E-12
Silicon tetrafluoride	Air	low. pop.	kg	6.15E-15	6.60E-15			1.38E-15		1.41E-14
Silver	Air	low. pop.	kg	4.31E-18	7.73E-18			1.92E-18		1.40E-17
Silver-110	Air	low. pop.	Bq	2.29E-13	5.99E-13			2.70E-13		1.10E-12
Sodium	Air	low. pop.	kg	9.04E-14	9.45E-14			3.43E-14		2.19E-13
Strontium	Air	low. pop.	kg	3.94E-13	1.15E-12			3.41E-13		1.89E-12
Styrene	Air	low. pop.	kg	5.63E-16	1.62E-15			4.82E-16		2.66E-15
Sulfur dioxide	Air	low. pop.	kg	2.35E-07	2.57E-07			6.83E-08		5.60E-07
Sulfur hexafluoride	Air	low. pop.	kg	5.22E-17	1.43E-16			4.62E-17		2.42E-16
Thallium	Air	low. pop.	kg	1.05E-16	1.46E-16			5.03E-17		3.01E-16
Thorium	Air	low. pop.	kg	3.39E-16	3.54E-16			1.32E-16		8.25E-16
Thorium-228	Air	low. pop.	Bq	2.05E-08	6.13E-08			1.81E-08		9.99E-08
Thorium-230	Air	low. pop.	Bq	7.15E-08	1.89E-07			5.68E-08		3.18E-07
Thorium-232	Air	low. pop.	Bq	3.23E-08	9.64E-08			2.86E-08		1.57E-07
Thorium-234	Air	low. pop.	Bq	1.63E-08	4.78E-08			1.47E-08		7.88E-08
Tin	Air	low. pop.	kg	3.02E-13	4.69E-13			3.55E-13		1.13E-12
Titanium	Air	low. pop.	kg	5.22E-14	5.45E-14			2.04E-14		1.27E-13
Toluene	Air	low. pop.	kg	5.14E-12	1.03E-11			2.68E-12		1.81E-11
Uranium	Air	low. pop.	kg	1.72E-16	1.80E-16			6.73E-17		4.20E-16
Uranium-234	Air	low. pop.	Bq	2.01E-07	5.70E-07			1.74E-07		9.45E-07
Uranium-235	Air	low. pop.	Bq	9.22E-09	2.71E-08			8.32E-09		4.46E-08
Uranium-238	Air	low. pop.	Bq	2.84E-07	8.20E-07			2.48E-07		1.35E-06
Uranium alpha	Air	low. pop.	Bq	8.88E-07	2.61E-06			8.00E-07		4.30E-06
Vanadium	Air	low. pop.	kg	1.42E-13	4.10E-13			1.31E-13		6.83E-13
water	Air	low. pop.	kg	1.56E-14	1.58E-14			1.58E-15		3.30E-14
Xenon-131m	Air	low. pop.	Bq	4.88E-06	1.35E-05			4.80E-06		2.31E-05
Xenon-133	Air	low. pop.	Bq	1.54E-04	4.22E-04			1.54E-04		7.30E-04
Xenon-133m	Air	low. pop.	Bq	6.98E-07	1.98E-06			6.20E-07		3.30E-06
Xenon-135	Air	low. pop.	Bq	6.31E-05	1.74E-04			6.31E-05		3.00E-04
Xenon-135m	Air	low. pop.	Bq	3.70E-05	1.02E-04			3.73E-05		1.76E-04
Xenon-137	Air	low. pop.	Bq	6.80E-07	1.80E-06			7.60E-07		3.24E-06
Xenon-138	Air	low. pop.	Bq	6.12E-06	1.65E-05			6.58E-06		2.92E-05
Xylene	Air	low. pop.	kg	2.41E-11	6.41E-11			1.88E-11		1.07E-10
Zinc	Air	low. pop.	kg	6.93E-12	1.21E-11			8.46E-12		2.75E-11
Zinc-65	Air	low. pop.	Bq	4.43E-12	1.16E-11			5.23E-12		2.12E-11
Zirconium	Air	low. pop.	kg	4.16E-15	4.35E-15			1.63E-15		1.01E-14
Zirconium-95	Air	low. pop.	Bq	4.33E-12	1.13E-11			5.11E-12		2.07E-11
Radon-222	Air	low. pop.	Bq	2.11E+00	6.20E+00			1.90E+00		1.02E+01
Benzene	Air	stratospl	kg	1.53E-18	1.56E-18			1.55E-19		3.24E-18
Butadiene	Air	stratospl	kg	1.45E-18	1.47E-18			1.47E-19		3.07E-18
Cadmium	Air	stratospl	kg	7.66E-22	7.79E-22			7.77E-23		1.62E-21
Carbon dioxide, fossil	Air	stratospl	kg	2.41E-13	2.45E-13			2.45E-14		5.11E-13
Carbon monoxide, fossil	Air	stratospl	kg	2.83E-16	2.88E-16			2.87E-17		6.00E-16
Chromium	Air	stratospl	kg	3.83E-21	3.90E-21			3.87E-22		8.11E-21
Copper	Air	stratospl	kg	1.30E-19	1.32E-19			1.32E-20		2.76E-19
Dinitrogen monoxide	Air	stratospl	kg	2.29E-18	2.33E-18			2.32E-19		4.86E-18
Ethylene oxide	Air	stratospl	kg	1.40E-17	1.43E-17			1.42E-18		2.97E-17
Formaldehyde	Air	stratospl	kg	1.20E-17	1.22E-17			1.22E-18		2.54E-17
Heat, waste	Air	stratospl	MJ	3.48E-12	3.54E-12			3.53E-13		7.38E-12
Hydrogen chloride	Air	stratospl	kg	6.58E-20	6.70E-20			6.66E-21		1.39E-19
Lead	Air	stratospl	kg	1.53E-21	1.56E-21			1.55E-22		3.24E-21
Mercury	Air	stratospl	kg	5.36E-24	5.45E-24			5.43E-25		1.14E-23
Methane, fossil	Air	stratospl	kg	3.83E-18	3.90E-18			3.87E-19		8.11E-18
Nickel	Air	stratospl	kg	5.36E-21	5.45E-21			5.43E-22		1.14E-20
Nitrogen oxides	Air	stratospl	kg	1.08E-15	1.09E-15			1.09E-16		2.28E-15
NMVOC, non-methane volatil	Air	stratospl	kg	5.12E-17	5.21E-17			5.20E-18		1.08E-16
Particulates, < 2.5 um	Air	stratospl	kg	2.90E-18	2.95E-18			2.94E-19		6.15E-18
Selenium	Air	stratospl	kg	7.66E-22	7.79E-22			7.77E-23		1.62E-21
Sulfur dioxide	Air	stratospl	kg	7.66E-17	7.79E-17			7.77E-18		1.62E-16
water	Air	stratospl	kg	9.47E-14	9.64E-14			9.60E-15		2.01E-13
Zinc	Air	stratospl	kg	7.66E-20	7.79E-20			7.77E-21		1.62E-19
Aluminum	Water		kg	1.53E-12	1.54E-12			5.67E-13		3.64E-12
AOX, Adsorbable Organic Ha	Water		kg	7.30E-15	7.80E-15			2.61E-15		1.77E-14
Arsenic, ion	Water		kg	9.88E-12	1.02E-11			3.65E-12		2.38E-11
BOD5, Biological Oxygen De	Water		kg	1.49E-08	1.54E-08			5.51E-09	3.70E-06	3.58E-08
Cadmium, ion	Water		kg	1.03E-11	1.06E-11			3.78E-12		2.46E-11
Chloride	Water		kg	8.96E-07	9.01E-07			3.36E-07		2.13E-06
Chromium VI	Water		kg	9.94E-12	1.03E-11			3.67E-12		2.39E-11
Chromium, ion	Water		kg	1.38E-12	1.43E-12			4.96E-13		3.31E-12
COD, Chemical Oxygen Dem	Water		kg	1.49E-08	1.55E-08			5.51E-09	3.20E-05	3.59E-08
Copper, ion	Water		kg	5.02E-11	5.20E-11			1.85E-11		1.21E-10
Cyanide	Water		kg	9.88E-11	1.02E-10			3.65E-11		2.38E-10
DOC, Dissolved Organic Carl	Water		kg	5.84E-09	6.05E-09			2.17E-09		1.41E-08
Fluoride	Water		kg	3.78E-12	4.05E-12			8.46E-13		8.68E-12
Formaldehyde	Water		kg	7.30E-13	7.80E-13			2.61E-13		1.77E-12
Heat, waste	Water		MJ	7.58E-09	9.51E-09			2.54E-09		1.96E-08
Hydrocarbons, unspecified	Water		kg	4.69E-12	4.81E-12			1.68E-12		1.12E-11
Iron, ion	Water		kg	7.48E-10	7.63E-10			2.78E-10		1.79E-09
Lead	Water		kg	2.05E-11	2.13E-11			7.58E-12		4.94E-11
Manganese	Water		kg	1.52E-12	1.56E-12			5.46E-13		3.63E-12
Mercury	Water		kg	1.06E-12	1.10E-12			3.92E-13		2.55E-12
Methanol	Water		kg	2.19E-13	2.34E-13			7.84E-14		5.32E-13
Nickel, ion	Water		kg	5.16E-11	5.34E-11			1.90E-11		1.24E-10

			Traitement du jean						Traitement du jean
			Stonewash	Délavage au chlore	Délavage peroxyde	Moustaches	Vaporisation	Rejets dans l'eau	TOTAL
Oils, unspecified	Water	kg	1.03E-09	1.07E-09			3.69E-10		2.47E-09
Phenol	Water	kg	7.30E-14	7.80E-14			2.61E-14		1.77E-13
Phosphorus	Water	kg	7.33E-14	7.83E-14			2.62E-14		1.78E-13
Sodium, ion	Water	kg	4.54E-10	6.16E-10			2.96E-10		1.37E-09
Sulfate	Water	kg	5.78E-12	5.81E-12			2.16E-12		1.38E-11
Suspended solids, unspecifie	Water	kg	3.98E-10	4.09E-10			1.43E-10		9.50E-10
TOC, Total Organic Carbon	Water	kg	5.84E-09	6.05E-09			2.17E-09		1.41E-08
Zinc, ion	Water	kg	2.02E-10	2.10E-10			7.45E-11		4.87E-10
Aluminum	Water	groundw kg	4.51E-12	1.25E-11			3.72E-12		2.07E-11
Ammonium, ion	Water	groundw kg	8.84E-13	1.94E-12			5.96E-13		3.42E-12
Antimony	Water	groundw kg	4.29E-13	1.28E-12			3.73E-13		2.08E-12
Arsenic, ion	Water	groundw kg	2.05E-12	6.01E-12			1.77E-12		9.83E-12
Barium	Water	groundw kg	8.48E-13	2.48E-12			7.62E-13		4.09E-12
Beryllium	Water	groundw kg	6.17E-16	1.82E-15			5.36E-16		2.97E-15
BOD5, Biological Oxygen De	Water	groundw kg	1.75E-13	3.86E-13			1.19E-13		6.81E-13
Boron	Water	groundw kg	1.02E-12	2.97E-12			8.81E-13		4.87E-12
Bromine	Water	groundw kg	9.68E-13	2.82E-12			8.39E-13		4.63E-12
Cadmium, ion	Water	groundw kg	4.63E-16	1.34E-15			4.11E-16		2.21E-15
Calcium, ion	Water	groundw kg	4.81E-12	1.39E-11			4.11E-12		2.28E-11
Chloride	Water	groundw kg	1.07E-08	2.29E-08			7.07E-09		4.07E-08
Chlorine	Water	groundw kg	4.80E-13	1.41E-12			4.32E-13		2.32E-12
Chromium VI	Water	groundw kg	8.31E-13	2.44E-12			7.21E-13		3.99E-12
Chromium, ion	Water	groundw kg	1.20E-13	3.52E-13			1.08E-13		5.80E-13
Cobalt	Water	groundw kg	6.85E-15	2.02E-14			6.05E-15		3.31E-14
COD, Chemical Oxygen Dem	Water	groundw kg	1.75E-13	3.86E-13			1.19E-13		6.81E-13
Copper, ion	Water	groundw kg	4.15E-14	1.21E-13			3.70E-14		1.99E-13
Fluoride	Water	groundw kg	3.06E-12	6.99E-12			2.14E-12		1.22E-11
Iodide	Water	groundw kg	1.23E-13	3.60E-13			1.07E-13		5.90E-13
Iron, ion	Water	groundw kg	2.07E-09	6.06E-09			1.80E-09		9.93E-09
Lead	Water	groundw kg	3.95E-16	9.01E-16			2.75E-16		1.57E-15
Lead-210	Water	groundw Bq	1.97E-09	2.11E-09			4.42E-10		4.53E-09
Magnesium	Water	groundw kg	8.85E-13	2.58E-12			7.64E-13		4.22E-12
Manganese	Water	groundw kg	1.31E-12	2.94E-12			9.04E-13		5.16E-12
Mercury	Water	groundw kg	1.26E-18	3.61E-18			1.07E-18		5.94E-18
Molybdenum	Water	groundw kg	2.23E-12	6.62E-12			1.94E-12		1.08E-11
Nickel, ion	Water	groundw kg	9.69E-14	2.18E-13			6.68E-14		3.82E-13
Nitrate	Water	groundw kg	1.24E-11	1.73E-11			6.30E-11		9.26E-11
Phosphate	Water	groundw kg	9.97E-14	9.49E-13			1.07E-13		1.16E-12
Polonium-210	Water	groundw Bq	2.99E-09	3.21E-09			6.73E-10		6.88E-09
Potassium-40	Water	groundw Bq	2.38E-10	2.55E-10			5.35E-11		5.46E-10
Potassium, ion	Water	groundw kg	2.09E-10	6.09E-10			1.81E-10		1.00E-09
Radium-226	Water	groundw Bq	2.21E-09	2.37E-09			4.95E-10		5.07E-09
Rubidium	Water	groundw kg	1.17E-14	3.42E-14			1.05E-14		5.63E-14
Scandium	Water	groundw kg	8.75E-14	2.54E-13			7.55E-14		4.17E-13
Selenium	Water	groundw kg	2.35E-13	6.92E-13			2.03E-13		1.13E-12
Silicon	Water	groundw kg	1.67E-10	4.87E-10			1.45E-10		7.99E-10
Silver, ion	Water	groundw kg	5.22E-16	1.53E-15			4.69E-16		2.52E-15
Sodium, ion	Water	groundw kg	3.86E-10	1.12E-09			3.33E-10		1.84E-09
Solids, inorganic	Water	groundw kg	4.57E-09	1.33E-08			3.97E-09		2.18E-08
Solved solids	Water	groundw kg	1.89E-10	4.15E-10			1.28E-10		7.31E-10
Strontium	Water	groundw kg	4.50E-12	9.89E-12			3.05E-12		1.74E-11
Sulfate	Water	groundw kg	8.78E-09	2.54E-08			7.53E-09		4.17E-08
Thallium	Water	groundw kg	1.87E-17	5.43E-17			1.61E-17		8.92E-17
Thorium-228	Water	groundw Bq	2.41E-11	2.58E-11			5.42E-12		5.54E-11
Tin, ion	Water	groundw kg	4.30E-16	1.00E-15			3.05E-16		1.74E-15
Titanium, ion	Water	groundw kg	5.77E-13	1.69E-12			5.16E-13		2.79E-12
Tungsten	Water	groundw kg	2.43E-13	7.07E-13			2.11E-13		1.16E-12
Uranium-238	Water	groundw Bq	1.01E-09	1.08E-09			2.27E-10		2.32E-09
Vanadium, ion	Water	groundw kg	3.05E-13	8.96E-13			2.72E-13		1.47E-12
Zinc, ion	Water	groundw kg	1.75E-13	4.49E-13			1.38E-13		7.62E-13
Aluminum	Water	groundw kg	7.76E-09	1.50E-08			3.77E-09		2.65E-08
Ammonium, ion	Water	groundw kg	2.29E-11	2.35E-11			1.68E-11		6.33E-11
Antimony	Water	groundw kg	1.94E-12	5.75E-12			1.72E-12		9.41E-12
Arsenic, ion	Water	groundw kg	9.22E-13	9.81E-13			9.89E-14		2.00E-12
Barium	Water	groundw kg	7.44E-11	2.07E-10			6.03E-11		3.42E-10
Beryllium	Water	groundw kg	4.70E-13	1.37E-12			4.17E-13		2.25E-12
BOD5, Biological Oxygen De	Water	groundw kg	6.08E-09	6.41E-09			2.16E-09		1.47E-08
Boron	Water	groundw kg	9.72E-11	2.58E-10			7.55E-11		4.31E-10
Bromine	Water	groundw kg	9.98E-13	2.12E-12			6.38E-13		3.76E-12
Cadmium, ion	Water	groundw kg	8.21E-13	1.20E-12			3.53E-13		2.38E-12
Calcium, ion	Water	groundw kg	4.14E-08	7.32E-08			1.44E-08		1.29E-07
Chloride	Water	groundw kg	3.75E-09	3.83E-09			8.42E-10		8.41E-09
Chromium VI	Water	groundw kg	2.07E-10	2.20E-10			7.95E-11		5.06E-10
Cobalt	Water	groundw kg	2.93E-11	5.26E-11			2.52E-11		1.07E-10
COD, Chemical Oxygen Dem	Water	groundw kg	1.63E-08	1.73E-08			6.39E-09		3.99E-08
Copper, ion	Water	groundw kg	6.48E-11	1.23E-10			2.46E-11		2.13E-10
DOC, Dissolved Organic Carl	Water	groundw kg	8.02E-09	8.45E-09			3.57E-09		2.00E-08
Fluoride	Water	groundw kg	1.76E-10	2.49E-10			5.67E-11		4.81E-10
Heat, waste	Water	groundw MJ	4.65E-07	4.76E-07			3.43E-07		1.28E-06
Hydrogen sulfide	Water	groundw kg	1.37E-10	1.42E-10			2.95E-11		3.09E-10
Iodide	Water	groundw kg	2.82E-17	3.08E-17			8.26E-18		6.72E-17
Iron, ion	Water	groundw kg	3.16E-09	7.66E-09			2.31E-09		1.31E-08
Lead	Water	groundw kg	2.17E-11	2.66E-11			6.12E-12		5.44E-11
Magnesium	Water	groundw kg	2.76E-09	7.97E-09			1.90E-09		1.26E-08
Manganese	Water	groundw kg	9.85E-11	1.53E-10			4.45E-11		2.96E-10
Mercury	Water	groundw kg	5.24E-13	7.52E-13			1.82E-13		1.46E-12
Molybdenum	Water	groundw kg	5.47E-14	7.62E-14			1.57E-14		1.47E-13
Nickel, ion	Water	groundw kg	3.14E-10	3.83E-10			1.37E-10		8.33E-10
Nitrate	Water	groundw kg	1.86E-11	5.81E-10			1.28E-11		6.13E-10
Nitrite	Water	groundw kg	1.25E-12	1.28E-12			9.14E-13		3.44E-12
Nitrogen, organic bound	Water	groundw kg	3.74E-11	3.84E-11			2.74E-11		1.03E-10
Phosphate	Water	groundw kg	1.24E-09	1.51E-09			4.56E-10		3.20E-09
Potassium, ion	Water	groundw kg	9.31E-10	1.58E-09			3.89E-10		2.90E-09
Scandium	Water	groundw kg	5.79E-13	1.69E-12			4.97E-13		2.76E-12
Selenium	Water	groundw kg	4.74E-13	1.29E-12			4.30E-13		2.19E-12

				Traitement du jean						Traitement du jean
				Stonewash	Délavage au chlore	Délavage peroxyde	Moustaches	Vaporisation	Rejets dans l'eau	TOTAL
Silicon	Water	groundw	kg	7.21E-08	1.37E-07			4.78E-08		2.57E-07
Silver, ion	Water	groundw	kg	1.66E-14	2.40E-14			3.52E-15		4.42E-14
Sodium, ion	Water	groundw	kg	3.39E-09	4.14E-09			9.52E-10		8.49E-09
Strontium	Water	groundw	kg	5.54E-11	1.50E-10			4.60E-11		2.51E-10
Sulfate	Water	groundw	kg	2.18E-08	4.64E-08			1.24E-08		8.06E-08
Thallium	Water	groundw	kg	9.82E-14	1.82E-13			5.01E-14		3.30E-13
Tin, ion	Water	groundw	kg	3.86E-12	6.06E-12			2.52E-12		1.24E-11
Titanium, ion	Water	groundw	kg	2.87E-10	4.78E-10			1.75E-10		9.40E-10
TOC, Total Organic Carbon	Water	groundw	kg	8.02E-09	8.45E-09			3.57E-09		2.00E-08
Tungsten	Water	groundw	kg	5.02E-13	1.46E-12			4.35E-13		2.40E-12
Vanadium, ion	Water	groundw	kg	1.09E-10	1.29E-10			3.37E-11		2.71E-10
Zinc, ion	Water	groundw	kg	9.70E-11	1.23E-10			3.27E-11		2.53E-10
Calcium, ion	Water	lake	kg	3.63E-11	5.94E-11			4.10E-11		1.37E-10
DOC, Dissolved Organic Carl	Water	lake	kg	2.36E-13	2.40E-13			6.70E-14		5.43E-13
Acenaphthene	Water	ocean	kg	3.25E-15	3.30E-15			2.20E-16		6.78E-15
Acenaphthylene	Water	ocean	kg	2.03E-16	2.07E-16			1.38E-17		4.24E-16
Actinides, radioactive, unspe	Water	ocean	Bq	1.93E-07	5.71E-07			1.73E-07		9.37E-07
Aluminum	Water	ocean	kg	8.22E-10	8.25E-10			2.49E-10		1.90E-09
Ammonium, ion	Water	ocean	kg	3.70E-11	3.77E-11			2.81E-12		7.75E-11
AOX, Adsorbable Organic Ha	Water	ocean	kg	2.32E-13	2.35E-13			2.85E-14		4.95E-13
Arsenic, ion	Water	ocean	kg	1.22E-12	1.24E-12			2.97E-13		2.76E-12
Barite	Water	ocean	kg	4.12E-08	4.14E-08			1.16E-08		9.42E-08
Barium	Water	ocean	kg	4.55E-10	4.62E-10			3.08E-11		9.47E-10
Benzene	Water	ocean	kg	4.37E-11	4.44E-11			3.11E-12		9.12E-11
Benzene, ethyl-	Water	ocean	kg	1.26E-11	1.28E-11			8.51E-13		2.62E-11
BOD5, Biological Oxygen De	Water	ocean	kg	7.04E-08	7.13E-08			9.46E-09		1.51E-07
Boron	Water	ocean	kg	4.27E-12	4.34E-12			2.90E-13		8.90E-12
Bromine	Water	ocean	kg	3.64E-10	3.70E-10			2.47E-11		7.59E-10
Cadmium, ion	Water	ocean	kg	2.27E-13	2.31E-13			3.49E-14		4.93E-13
Calcium, ion	Water	ocean	kg	1.71E-08	1.74E-08			1.30E-09		3.59E-08
Carboxylic acids, unspecified	Water	ocean	kg	3.37E-09	3.42E-09			3.32E-10		7.12E-09
Cesium	Water	ocean	kg	5.24E-13	5.32E-13			3.55E-14		1.09E-12
Cesium-137	Water	ocean	Bq	2.21E-05	6.54E-05			1.99E-05		1.07E-04
Chloride	Water	ocean	kg	2.63E-07	2.67E-07			1.79E-08		5.47E-07
Chlorinated solvents, unspec	Water	ocean	kg	4.07E-22	1.12E-21			3.61E-22		1.89E-21
Chromium, ion	Water	ocean	kg	3.06E-12	3.10E-12			3.00E-13		6.46E-12
Cobalt	Water	ocean	kg	6.65E-16	1.97E-15			5.97E-16		3.23E-15
COD, Chemical Oxygen Dem	Water	ocean	kg	7.08E-08	7.17E-08			9.49E-09		1.52E-07
Copper, ion	Water	ocean	kg	2.57E-12	2.58E-12			6.83E-13		5.84E-12
Cyanide	Water	ocean	kg	1.85E-12	1.88E-12			1.25E-13		3.85E-12
DOC, Dissolved Organic Carl	Water	ocean	kg	2.26E-08	2.29E-08			2.84E-09		4.84E-08
Fluoride	Water	ocean	kg	6.20E-11	6.36E-11			5.67E-12		1.31E-10
Glutaraldehyde	Water	ocean	kg	5.09E-12	5.11E-12			1.43E-12		1.16E-11
Hydrocarbons, aliphatic, alka	Water	ocean	kg	6.80E-11	6.91E-11			4.61E-12		1.42E-10
Hydrocarbons, aliphatic, unsa	Water	ocean	kg	6.28E-12	6.38E-12			4.26E-13		1.31E-11
Hydrocarbons, aromatic	Water	ocean	kg	3.38E-10	3.43E-10			3.54E-11		7.17E-10
Hydrocarbons, unspecified	Water	ocean	kg	7.68E-10	7.71E-10			2.15E-10		1.75E-09
Hydrogen-3, Tritium	Water	ocean	Bq	4.58E-02	1.36E-01			4.13E-02		2.23E-01
Hypochlorite	Water	ocean	kg	3.35E-10	3.38E-10			1.93E-11		6.92E-10
Iodide	Water	ocean	kg	5.24E-11	5.32E-11			3.55E-12		1.09E-10
Iron, ion	Water	ocean	kg	2.88E-11	2.93E-11			2.20E-12		6.03E-11
Lead	Water	ocean	kg	7.06E-12	7.14E-12			1.20E-12		1.54E-11
Lead-210	Water	ocean	Bq	2.31E-06	2.48E-06			5.24E-07		5.32E-06
Magnesium	Water	ocean	kg	2.88E-09	2.93E-09			1.95E-10		6.00E-09
Manganese	Water	ocean	kg	2.31E-11	2.34E-11			1.57E-12		4.81E-11
Mercury	Water	ocean	kg	7.23E-14	7.26E-14			2.00E-14		1.65E-13
Methanol	Water	ocean	kg	1.61E-10	1.61E-10			5.20E-11		3.74E-10
Molybdenum	Water	ocean	kg	1.07E-13	1.09E-13			7.26E-15		2.23E-13
Nickel, ion	Water	ocean	kg	3.42E-13	3.50E-13			4.90E-14		7.41E-13
Nitrate	Water	ocean	kg	1.02E-10	1.32E-10			1.89E-11		2.53E-10
Nitrite	Water	ocean	kg	2.99E-13	8.85E-13			2.68E-13		1.45E-12
Nitrogen	Water	ocean	kg	6.47E-12	6.51E-12			1.56E-12		1.45E-11
Nitrogen, organic bound	Water	ocean	kg	1.88E-10	1.91E-10			1.17E-11		3.90E-10
Oils, unspecified	Water	ocean	kg	2.19E-08	2.22E-08			2.95E-09		4.70E-08
PAH, polycyclic aromatic hyd	Water	ocean	kg	4.22E-12	4.28E-12			3.05E-13		8.81E-12
Phenol	Water	ocean	kg	6.79E-11	6.90E-11			4.88E-12		1.42E-10
Phosphate	Water	ocean	kg	3.90E-11	4.18E-11			8.84E-12		8.97E-11
Phosphorus	Water	ocean	kg	4.13E-12	4.21E-12			2.85E-13		8.63E-12
Polonium-210	Water	ocean	Bq	3.53E-06	3.78E-06			8.01E-07		8.12E-06
Potassium-40	Water	ocean	Bq	2.80E-07	3.00E-07			6.33E-08		6.43E-07
Potassium, ion	Water	ocean	kg	2.24E-09	2.27E-09			1.61E-10		4.67E-09
Radioactive species, Nuclide	Water	ocean	Bq	1.15E-04	3.41E-04			1.04E-04		5.60E-04
Radium-224	Water	ocean	Bq	2.61E-05	2.65E-05			1.77E-06		5.44E-05
Radium-226	Water	ocean	Bq	4.44E-05	4.53E-05			3.43E-06		9.32E-05
Radium-228	Water	ocean	Bq	5.24E-05	5.32E-05			3.55E-06		1.09E-04
Rubidium	Water	ocean	kg	5.24E-12	5.32E-12			3.55E-13		1.09E-11
Selenium	Water	ocean	kg	1.60E-13	1.63E-13			1.09E-14		3.34E-13
Silicon	Water	ocean	kg	1.27E-12	1.28E-12			3.86E-13		2.93E-12
Silver, ion	Water	ocean	kg	3.14E-13	3.19E-13			2.13E-14		6.54E-13
Sodium, ion	Water	ocean	kg	1.60E-07	1.63E-07			1.08E-08		3.33E-07
Strontium	Water	ocean	kg	3.14E-09	3.19E-09			2.13E-10		6.55E-09
Strontium-90	Water	ocean	Bq	2.45E-06	7.27E-06			2.21E-06		1.19E-05
Sulfate	Water	ocean	kg	4.43E-09	4.62E-09			6.81E-10		9.73E-09
Sulfide	Water	ocean	kg	1.01E-12	1.08E-12			9.02E-14		2.19E-12
Sulfite	Water	ocean	kg	7.82E-22	1.13E-21			3.77E-22		2.29E-21
Sulfur	Water	ocean	kg	1.95E-11	1.96E-11			4.59E-12		4.37E-11
Suspended solids, unspecifie	Water	ocean	kg	1.46E-07	1.46E-07			4.08E-08		3.33E-07
t-Butyl methyl ether	Water	ocean	kg	3.38E-12	3.44E-12			2.30E-13		7.05E-12
Thorium-228	Water	ocean	Bq	1.04E-04	1.06E-04			7.09E-06		2.18E-04
Titanium, ion	Water	ocean	kg	2.05E-13	2.06E-13			6.27E-14		4.74E-13
TOC, Total Organic Carbon	Water	ocean	kg	2.26E-08	2.29E-08			2.84E-09		4.84E-08
Toluene	Water	ocean	kg	7.47E-11	7.60E-11			5.26E-12		1.56E-10
Tributyltin compounds	Water	ocean	kg	1.58E-12	1.68E-12			1.57E-13		3.42E-12
Triethylene glycol	Water	ocean	kg	1.33E-10	1.34E-10			4.23E-11		3.10E-10
Uranium-238	Water	ocean	Bq	1.19E-06	1.27E-06			2.70E-07		2.73E-06

				Traitement du jean						Traitement du jean
				Stonewash	Délavage au chlore	Délavage peroxyde	Moustaches	Vaporisation	Rejets dans l'eau	TOTAL
Vanadium, ion	Water	ocean	kg	3.19E-13	3.25E-13			2.17E-14		6.66E-13
VOC, volatile organic compou	Water	ocean	kg	1.83E-10	1.86E-10			1.24E-11		3.81E-10
Xylene	Water	ocean	kg	6.24E-11	6.34E-11			4.38E-12		1.30E-10
Zinc, ion	Water	ocean	kg	2.01E-09	2.02E-09			5.56E-10		4.58E-09
Acenaphthene	Water	river	kg	6.52E-15	6.63E-15			4.55E-16		1.36E-14
Acenaphthylene	Water	river	kg	4.09E-16	4.15E-16			2.85E-17		8.53E-16
Acetic acid	Water	river	kg	8.72E-13	1.09E-12			2.57E-13		2.22E-12
Acidity, unspecified	Water	river	kg	4.35E-12	4.60E-12			2.42E-12		1.14E-11
Aluminum	Water	river	kg	7.41E-11	1.21E-10			3.04E-11		2.25E-10
Ammonium, ion	Water	river	kg	5.07E-11	3.59E-10			1.80E-11		4.28E-10
Antimony	Water	river	kg	6.75E-13	2.04E-12			6.21E-13		3.33E-12
Antimony-122	Water	river	Bq	6.63E-11	1.73E-10			7.82E-11		3.17E-10
Antimony-124	Water	river	Bq	3.07E-08	9.00E-08			2.83E-08		1.49E-07
Antimony-125	Water	river	Bq	2.66E-08	7.73E-08			2.44E-08		1.28E-07
AOX, Adsorbable Organic Ha	Water	river	kg	6.01E-12	6.09E-12			3.73E-13		1.25E-11
Arsenic, ion	Water	river	kg	9.36E-12	1.22E-11			3.85E-12		2.54E-11
Barium	Water	river	kg	9.15E-10	9.31E-10			6.45E-11		1.91E-09
Barium-140	Water	river	Bq	2.90E-10	7.57E-10			3.42E-10		1.39E-09
Benzene	Water	river	kg	7.27E-11	7.46E-11			7.26E-12		1.55E-10
Benzene, ethyl-	Water	river	kg	2.51E-11	2.55E-11			1.75E-12		5.24E-11
Beryllium	Water	river	kg	9.43E-16	2.75E-15			8.54E-16		4.55E-15
BOD5, Biological Oxygen De	Water	river	kg	2.85E-07	2.90E-07			1.98E-08		5.95E-07
Boron	Water	river	kg	1.13E-11	1.44E-11			2.95E-12		2.86E-11
Bromate	Water	river	kg	3.66E-12	1.04E-09			1.31E-12		1.04E-09
Bromine	Water	river	kg	7.39E-10	7.56E-10			5.40E-11		1.55E-09
Butene	Water	river	kg	8.23E-16	1.37E-15			2.96E-16		2.49E-15
Cadmium, ion	Water	river	kg	5.63E-12	7.05E-12			2.83E-12		1.55E-11
Calcium, ion	Water	river	kg	3.33E-08	4.43E-08			3.23E-09		8.08E-08
Carbonate	Water	river	kg	1.18E-11	2.00E-11			7.06E-12		3.88E-11
Carboxylic acids, unspecified	Water	river	kg	3.84E-09	3.91E-09			2.68E-10		8.01E-09
Cerium-141	Water	river	Bq	1.16E-10	3.03E-10			1.37E-10		5.55E-10
Cerium-144	Water	river	Bq	3.53E-11	9.22E-11			4.16E-11		1.69E-10
Cesium	Water	river	kg	1.05E-12	1.06E-12			7.31E-14		2.18E-12
Cesium-134	Water	river	Bq	2.42E-08	7.08E-08			2.14E-08		1.16E-07
Cesium-136	Water	river	Bq	2.06E-11	5.37E-11			2.42E-11		9.85E-11
Cesium-137	Water	river	Bq	8.44E-08	2.37E-07			8.47E-08		4.06E-07
Chlorate	Water	river	kg	3.18E-11	7.91E-09			1.12E-11		7.95E-09
Chloride	Water	river	kg	5.56E-07	6.47E-07			4.27E-08		1.25E-06
Chlorinated solvents, unspec	Water	river	kg	3.30E-14	2.32E-12			6.09E-14		2.42E-12
Chlorine	Water	river	kg	1.45E-13	2.18E-13			7.50E-14		4.38E-13
Chloroform	Water	river	kg	1.80E-21	4.52E-21			1.42E-21		7.74E-21
Chromium-51	Water	river	Bq	3.34E-08	9.08E-08			3.57E-08		1.60E-07
Chromium VI	Water	river	kg	6.55E-11	7.02E-11			2.52E-11		1.61E-10
Chromium, ion	Water	river	kg	4.64E-12	4.88E-12			4.62E-13		9.98E-12
Cobalt	Water	river	kg	1.18E-12	1.24E-12			5.98E-13		3.02E-12
Cobalt-57	Water	river	Bq	6.53E-10	1.70E-09			7.71E-10		3.13E-09
Cobalt-58	Water	river	Bq	2.45E-07	6.92E-07			2.43E-07		1.18E-06
Cobalt-60	Water	river	Bq	1.93E-07	5.42E-07			1.94E-07		9.29E-07
COD, Chemical Oxygen Dem	Water	river	kg	2.89E-07	2.95E-07			2.08E-08		6.05E-07
Copper, ion	Water	river	kg	1.37E-11	1.75E-11			5.96E-12		3.72E-11
Cumene	Water	river	kg	9.94E-12	1.11E-11			3.30E-12		2.44E-11
Cyanide	Water	river	kg	4.39E-12	5.38E-12			3.85E-12		1.36E-11
Dichromate	Water	river	kg	6.48E-14	1.38E-13			1.87E-13		3.90E-13
DOC, Dissolved Organic Carl	Water	river	kg	8.45E-08	8.62E-08			6.03E-09		1.77E-07
Ethane, 1,2-dichloro-	Water	river	kg	4.52E-14	6.05E-14			1.59E-14		1.22E-13
Ethene	Water	river	kg	3.65E-12	3.80E-12			7.77E-13		8.23E-12
Ethene, chloro-	Water	river	kg	2.08E-15	4.28E-15			4.51E-15		1.09E-14
Ethylene diamine	Water	river	kg	8.75E-18	1.66E-17			5.92E-18		3.13E-17
Ethylene oxide	Water	river	kg	1.48E-16	2.24E-16			1.79E-16		5.51E-16
Fluoride	Water	river	kg	2.65E-10	2.75E-10			4.45E-11		5.84E-10
Fluosilicic acid	Water	river	kg	2.56E-13	3.22E-13			1.54E-13		7.32E-13
Formaldehyde	Water	river	kg	1.23E-14	3.86E-14			1.08E-14		6.17E-14
Heat, waste	Water	river	MJ	2.19E-04	2.22E-04			1.33E-05		4.54E-04
Hydrocarbons, aliphatic, alka	Water	river	kg	1.36E-10	1.38E-10			9.50E-12		2.84E-10
Hydrocarbons, aliphatic, unsa	Water	river	kg	1.26E-11	1.28E-11			8.78E-13		2.62E-11
Hydrocarbons, aromatic	Water	river	kg	5.51E-10	5.60E-10			3.87E-11		1.15E-09
Hydrocarbons, unspecified	Water	river	kg	4.10E-11	4.33E-11			6.10E-12		9.04E-11
Hydrogen-3, Tritium	Water	river	Bq	4.91E-03	1.44E-02			4.39E-03		2.37E-02
Hydrogen peroxide	Water	river	kg	5.73E-15	1.06E-14			2.37E-15		1.87E-14
Hydrogen sulfide	Water	river	kg	2.46E-13	3.26E-13			1.14E-13		6.85E-13
Hydroxide	Water	river	kg	9.99E-14	2.75E-13			8.57E-14		4.61E-13
Hypochlorite	Water	river	kg	2.87E-10	2.91E-10			1.67E-11		5.95E-10
Iodide	Water	river	kg	1.05E-10	1.06E-10			7.34E-12		2.18E-10
Iodine-131	Water	river	Bq	5.64E-09	1.63E-08			5.25E-09		2.72E-08
Iodine-133	Water	river	Bq	1.82E-10	4.76E-10			2.15E-10		8.72E-10
Iron-59	Water	river	Bq	5.01E-11	1.31E-10			5.92E-11		2.40E-10
Iron, ion	Water	river	kg	3.23E-10	4.44E-10			5.06E-11		8.17E-10
Lanthanum-140	Water	river	Bq	3.09E-10	8.06E-10			3.64E-10		1.48E-09
Lead	Water	river	kg	4.32E-11	5.62E-11			2.05E-11		1.20E-10
Lead-210	Water	river	Bq	2.55E-07	6.78E-07			2.04E-07		1.14E-06
Magnesium	Water	river	kg	5.55E-09	5.89E-09			4.46E-10		1.19E-08
Manganese	Water	river	kg	5.16E-11	5.85E-11			6.21E-12		1.16E-10
Manganese-54	Water	river	Bq	1.49E-08	4.21E-08			1.47E-08		7.17E-08
Mercury	Water	river	kg	2.19E-13	1.49E-12			6.77E-14		1.77E-12
Methane, dichloro-, HCC-30	Water	river	kg	4.52E-11	4.56E-11			8.38E-12		9.92E-11
Methanol	Water	river	kg	8.62E-16	2.44E-15			7.74E-16		4.08E-15
Molybdenum	Water	river	kg	1.14E-12	3.18E-12			9.51E-13		5.27E-12
Molybdenum-99	Water	river	Bq	1.07E-10	2.78E-10			1.26E-10		5.10E-10
Nickel, ion	Water	river	kg	1.74E-11	1.88E-11			1.70E-12		3.79E-11
Niobium-95	Water	river	Bq	1.96E-09	5.46E-09			1.77E-09		9.20E-09
Nitrate	Water	river	kg	1.61E-10	1.63E-09			2.89E-10		2.08E-09
Nitrite	Water	river	kg	6.71E-13	1.77E-11			5.55E-12		2.40E-11
Nitrogen	Water	river	kg	7.04E-09	7.15E-09			4.11E-10		1.46E-08
Nitrogen, organic bound	Water	river	kg	1.21E-10	1.29E-10			2.64E-11		2.76E-10
Oils, unspecified	Water	river	kg	8.95E-08	9.10E-08			6.08E-09		1.87E-07

				Traitement du jean						Traitement du jean
				Stonewash	Délavage au chlore	Délavage peroxyde	Moustaches	Vaporisation	Rejets dans l'eau	TOTAL
PAH, polycyclic aromatic hyd	Water	river	kg	5.11E-12	5.48E-12			6.43E-13		1.12E-11
Paraffins	Water	river	kg	6.36E-17	8.51E-17			7.19E-17		2.21E-16
Phenol	Water	river	kg	8.58E-11	8.74E-11			6.16E-12		1.79E-10
Phosphate	Water	river	kg	1.04E-11	8.37E-11			3.87E-12		9.80E-11
Phosphorus	Water	river	kg	2.23E-11	2.72E-11			2.36E-12		5.18E-11
Polonium-210	Water	river	Bq	2.55E-07	6.78E-07			2.04E-07		1.14E-06
Potassium-40	Water	river	Bq	3.20E-07	8.50E-07			2.55E-07		1.43E-06
Potassium, ion	Water	river	kg	5.17E-09	5.39E-09			5.14E-10		1.11E-08
Propene	Water	river	kg	3.90E-12	4.39E-12			1.26E-12		9.55E-12
Propylene oxide	Water	river	kg	2.29E-13	2.70E-13			3.66E-14		5.36E-13
Protactinium-234	Water	river	Bq	3.02E-07	8.85E-07			2.72E-07		1.46E-06
Radioactive species, alpha e	Water	river	Bq	6.95E-09	7.47E-09			1.57E-09		1.60E-08
Radioactive species, Nuclide	Water	river	Bq	3.61E-07	1.09E-06			3.27E-07		1.78E-06
Radium-224	Water	river	Bq	5.25E-05	5.34E-05			3.66E-06		1.10E-04
Radium-226	Water	river	Bq	2.72E-04	6.36E-04			1.75E-04		1.08E-03
Radium-228	Water	river	Bq	1.05E-04	1.06E-04			7.31E-06		2.18E-04
Rubidium	Water	river	kg	1.05E-11	1.06E-11			7.31E-13		2.18E-11
Ruthenium-103	Water	river	Bq	2.25E-11	5.87E-11			2.66E-11		1.08E-10
Scandium	Water	river	kg	5.84E-14	1.71E-13			4.99E-14		2.79E-13
Selenium	Water	river	kg	2.70E-13	5.68E-13			1.74E-13		1.01E-12
Silicon	Water	river	kg	1.97E-10	2.62E-10			8.38E-11		5.42E-10
Silver-110	Water	river	Bq	1.84E-07	5.19E-07			1.86E-07		8.90E-07
Silver, ion	Water	river	kg	9.37E-13	9.60E-13			6.56E-14		1.96E-12
Sodium-24	Water	river	Bq	8.06E-10	2.10E-09			9.53E-10		3.86E-09
Sodium formate	Water	river	kg	5.29E-16	2.86E-15			5.41E-15		8.80E-15
Sodium, ion	Water	river	kg	3.23E-07	3.29E-07			2.37E-08		6.76E-07
Solids, inorganic	Water	river	kg	5.38E-10	9.03E-09			1.49E-10		9.72E-09
Solved solids	Water	river	kg	7.91E-10	2.55E-09			1.75E-09		5.08E-09
Strontium	Water	river	kg	6.31E-09	6.42E-09			4.42E-10		1.32E-08
Strontium-89	Water	river	Bq	3.06E-09	8.25E-09			3.18E-09		1.45E-08
Strontium-90	Water	river	Bq	2.02E-04	5.77E-04			1.74E-04		9.52E-04
Sulfate	Water	river	kg	1.77E-07	2.17E-07			1.45E-08		4.08E-07
Sulfide	Water	river	kg	4.68E-11	4.74E-11			2.89E-12		9.71E-11
Sulfite	Water	river	kg	1.53E-09	1.55E-09			1.76E-10		3.26E-09
Sulfur	Water	river	kg	3.30E-10	3.35E-10			3.31E-11		6.99E-10
Suspended solids, unspecifie	Water	river	kg	3.16E-09	3.43E-09			4.83E-10		7.07E-09
t-Butyl methyl ether	Water	river	kg	6.47E-17	9.69E-17			3.52E-15		3.68E-15
Technetium-99m	Water	river	Bq	2.47E-09	6.45E-09			2.90E-09		1.18E-08
Tellurium-123m	Water	river	Bq	3.20E-09	9.42E-09			2.87E-09		1.55E-08
Tellurium-132	Water	river	Bq	6.16E-12	1.61E-11			7.29E-12		2.95E-11
Thallium	Water	river	kg	3.15E-12	3.19E-12			1.83E-13		6.53E-12
Thorium-228	Water	river	Bq	2.09E-04	2.13E-04			1.46E-05		4.37E-04
Thorium-230	Water	river	Bq	4.12E-05	1.21E-04			3.70E-05		1.99E-04
Thorium-232	Water	river	Bq	5.96E-08	1.58E-07			4.77E-08		2.65E-07
Thorium-234	Water	river	Bq	3.02E-07	8.85E-07			2.72E-07		1.46E-06
Tin, ion	Water	river	kg	1.22E-13	1.90E-13			2.25E-14		3.34E-13
Titanium, ion	Water	river	kg	4.37E-13	6.95E-13			2.53E-13		1.39E-12
TOC, Total Organic Carbon	Water	river	kg	8.52E-08	8.69E-08			6.07E-09		1.78E-07
Toluene	Water	river	kg	1.19E-10	1.21E-10			8.33E-12		2.49E-10
Tungsten	Water	river	kg	6.68E-14	1.96E-13			5.76E-14		3.20E-13
Uranium-234	Water	river	Bq	3.62E-07	1.06E-06			3.27E-07		1.75E-06
Uranium-235	Water	river	Bq	5.99E-07	1.75E-06			5.37E-07		2.89E-06
Uranium-238	Water	river	Bq	1.04E-06	3.01E-06			9.21E-07		4.96E-06
Uranium alpha	Water	river	Bq	1.74E-05	5.10E-05			1.56E-05		8.41E-05
Vanadium, ion	Water	river	kg	3.24E-11	3.35E-11			2.26E-12		6.82E-11
VOC, volatile organic compou	Water	river	kg	3.67E-10	3.74E-10			2.62E-11		7.67E-10
Xylene	Water	river	kg	9.90E-11	1.01E-10			6.91E-12		2.07E-10
Zinc-65	Water	river	Bq	1.09E-08	2.86E-08			1.29E-08		5.24E-08
Zinc, ion	Water	river	kg	8.64E-11	9.01E-11			8.09E-12		1.85E-10
Zirconium-95	Water	river	Bq	1.27E-10	3.30E-10			1.49E-10		6.06E-10
Boron	Soil		kg	4.40E-13	9.40E-13			1.27E-12		2.65E-12
Cadmium	Soil		kg	4.64E-15	6.33E-15			1.58E-15		1.26E-14
Chloride	Soil		kg	6.45E-10	8.80E-10			4.28E-10		1.95E-09
Chromium	Soil		kg	4.17E-14	5.69E-14			1.42E-14		1.13E-13
Chromium VI	Soil		kg	2.49E-12	5.30E-12			7.20E-12		1.50E-11
Copper	Soil		kg	1.62E-12	3.41E-12			4.52E-12		9.55E-12
Fluoride	Soil		kg	1.68E-12	3.59E-12			4.88E-12		1.02E-11
Heat, waste	Soil		MJ	3.03E-07	5.73E-07			1.43E-06		2.31E-06
Iron	Soil		kg	2.54E-10	3.10E-10			8.44E-11		6.49E-10
Lead	Soil		kg	2.32E-14	3.17E-14			7.89E-15		6.28E-14
Nickel	Soil		kg	3.70E-14	5.06E-14			1.26E-14		1.00E-13
Oils, biogenic	Soil		kg	4.83E-12	5.85E-12			1.61E-12		1.23E-11
Oils, unspecified	Soil		kg	5.10E-10	5.19E-10			3.47E-11		1.06E-09
Sodium	Soil		kg	8.52E-13	1.17E-12			1.20E-12		3.22E-12
Zinc	Soil		kg	3.74E-12	5.10E-12			1.27E-12		1.01E-11
Aclonifen	Soil	agricultu	kg	1.02E-15	1.38E-15			4.40E-15		6.79E-15
Aluminum	Soil	agricultu	kg	2.48E-12	3.24E-11			1.53E-12		3.64E-11
Antimony	Soil	agricultu	kg	3.63E-18	6.74E-18			5.68E-19		1.09E-17
Arsenic	Soil	agricultu	kg	6.31E-16	5.04E-15			4.35E-16		6.10E-15
Atrazine	Soil	agricultu	kg	3.98E-17	5.55E-17			1.37E-14		1.38E-14
Barium	Soil	agricultu	kg	1.35E-14	1.38E-14			9.68E-16		2.83E-14
Bentazone	Soil	agricultu	kg	5.18E-16	7.02E-16			2.24E-15		3.45E-15
Boron	Soil	agricultu	kg	3.77E-15	3.84E-15			2.69E-16		7.88E-15
Cadmium	Soil	agricultu	kg	1.63E-15	1.03E-14			1.23E-15		1.31E-14
Calcium	Soil	agricultu	kg	2.72E-11	1.53E-10			1.79E-11		1.98E-10
Carbetamide	Soil	agricultu	kg	1.93E-16	2.66E-16			9.16E-16		1.37E-15
Carbon	Soil	agricultu	kg	1.21E-11	3.38E-10			5.56E-12		3.56E-10
Chloride	Soil	agricultu	kg	2.68E-13	6.35E-13			1.89E-13		1.09E-12
Chlorothalonil	Soil	agricultu	kg	1.02E-14	1.82E-14			5.92E-14		8.76E-14
Chromium	Soil	agricultu	kg	3.66E-14	4.84E-13			2.23E-14		5.43E-13
Cobalt	Soil	agricultu	kg	1.79E-15	1.87E-14			1.22E-15		2.17E-14
Copper	Soil	agricultu	kg	6.09E-14	1.25E-12			2.53E-14		1.34E-12
Cypermethrin	Soil	agricultu	kg	4.47E-18	6.28E-18			2.36E-17		3.43E-17
Dinoseb	Soil	agricultu	kg	2.78E-15	4.94E-15			1.61E-14		2.38E-14
Fenpiclonil	Soil	agricultu	kg	4.37E-16	7.61E-16			2.48E-15		3.68E-15

			Traitement du jean						Traitement du jean
			Stonewash	Délavage au chlore	Délavage peroxyde	Moustaches	Vaporisation	Rejets dans l'eau	TOTAL
Glyphosate	Soil	agricultu kg	1.54E-14	2.10E-14			1.54E-14		5.17E-14
Iron	Soil	agricultu kg	8.15E-12	2.59E-10			4.09E-12		2.71E-10
Lead	Soil	agricultu kg	1.33E-14	2.45E-13			7.31E-15		2.66E-13
Linuron	Soil	agricultu kg	7.87E-15	1.07E-14			3.40E-14		5.25E-14
Magnesium	Soil	agricultu kg	2.99E-12	1.72E-11			2.01E-12		2.22E-11
Mancozeb	Soil	agricultu kg	1.33E-14	2.37E-14			7.70E-14		1.14E-13
Manganese	Soil	agricultu kg	1.71E-12	4.49E-12			1.19E-12		7.39E-12
Mercury	Soil	agricultu kg	6.67E-17	2.66E-15			9.22E-17		2.82E-15
Metaldehyde	Soil	agricultu kg	3.87E-17	5.45E-17			2.03E-16		2.97E-16
Metolachlor	Soil	agricultu kg	5.69E-14	7.72E-14			2.57E-13		3.91E-13
Metribuzin	Soil	agricultu kg	4.68E-16	8.31E-16			2.71E-15		4.01E-15
Molybdenum	Soil	agricultu kg	4.76E-16	9.69E-15			3.11E-16		1.05E-14
Napropamide	Soil	agricultu kg	6.85E-17	9.63E-17			3.60E-16		5.25E-16
Nickel	Soil	agricultu kg	1.68E-14	2.85E-13			6.60E-15		3.09E-13
Orbencarb	Soil	agricultu kg	2.53E-15	4.49E-15			1.46E-14		2.16E-14
Phosphorus	Soil	agricultu kg	8.18E-13	1.94E-12			5.79E-13		3.34E-12
Pirimicarb	Soil	agricultu kg	4.91E-17	6.65E-17			2.13E-16		3.28E-16
Potassium	Soil	agricultu kg	4.57E-12	1.08E-11			3.21E-12		1.86E-11
Silicon	Soil	agricultu kg	7.94E-12	7.24E-11			5.46E-12		8.58E-11
Silver	Soil	agricultu kg	3.27E-16	7.01E-15			8.80E-17		7.42E-15
Strontium	Soil	agricultu kg	4.92E-14	5.01E-14			3.51E-15		1.03E-13
Sulfur	Soil	agricultu kg	1.31E-12	3.11E-11			8.45E-13		3.33E-11
Tebutam	Soil	agricultu kg	1.63E-16	2.28E-16			8.55E-16		1.25E-15
Teflubenzuron	Soil	agricultu kg	3.12E-17	5.54E-17			1.80E-16		2.67E-16
Tin	Soil	agricultu kg	7.10E-16	3.76E-14			3.91E-16		3.87E-14
Titanium	Soil	agricultu kg	1.16E-13	2.74E-13			8.14E-14		4.71E-13
Vanadium	Soil	agricultu kg	3.30E-15	7.84E-15			2.33E-15		1.35E-14
Zinc	Soil	agricultu kg	7.01E-13	3.37E-12			5.18E-13		4.59E-12
Oils, biogenic	Soil	forestry kg	8.66E-13	2.39E-12			7.97E-13		4.05E-12
Oils, unspecified	Soil	forestry kg	1.12E-07	1.14E-07			7.57E-09		2.33E-07
Aluminum	Soil	industria kg	1.79E-09	1.80E-09			3.32E-10		3.92E-09
Arsenic	Soil	industria kg	7.14E-13	7.19E-13			1.32E-13		1.57E-12
Barium	Soil	industria kg	8.93E-10	9.00E-10			1.66E-10		1.96E-09
Boron	Soil	industria kg	1.79E-11	1.80E-11			3.32E-12		3.92E-11
Calcium	Soil	industria kg	7.14E-09	7.19E-09			1.32E-09		1.57E-08
Carbon	Soil	industria kg	5.34E-09	5.39E-09			9.93E-10		1.17E-08
Chloride	Soil	industria kg	6.24E-09	6.29E-09			1.16E-09		1.37E-08
Chromium	Soil	industria kg	8.93E-12	9.00E-12			1.66E-12		1.96E-11
Copper	Soil	industria kg	3.06E-14	3.13E-14			6.42E-15		6.84E-14
Fluoride	Soil	industria kg	8.93E-11	9.00E-11			1.66E-11		1.96E-10
Glyphosate	Soil	industria kg	1.33E-10	1.61E-10			4.43E-11		3.39E-10
Heat, waste	Soil	industria MJ	1.68E-08	1.76E-08			4.37E-09		3.87E-08
Iron	Soil	industria kg	3.57E-09	3.60E-09			6.62E-10		7.84E-09
Magnesium	Soil	industria kg	1.43E-09	1.44E-09			2.65E-10		3.13E-09
Manganese	Soil	industria kg	7.14E-11	7.19E-11			1.32E-11		1.57E-10
Oils, unspecified	Soil	industria kg	8.17E-12	8.76E-12			1.84E-12		1.88E-11
Phosphorus	Soil	industria kg	8.93E-11	9.00E-11			1.66E-11		1.96E-10
Potassium	Soil	industria kg	6.24E-10	6.29E-10			1.16E-10		1.37E-09
Silicon	Soil	industria kg	1.79E-10	1.80E-10			3.32E-11		3.92E-10
Sodium	Soil	industria kg	3.57E-09	3.60E-09			6.62E-10		7.84E-09
Strontium	Soil	industria kg	1.79E-11	1.80E-11			3.32E-12		3.92E-11
Sulfur	Soil	industria kg	1.07E-09	1.08E-09			1.99E-10		2.35E-09
Zinc	Soil	industria kg	2.68E-11	2.70E-11			4.96E-12		5.87E-11
Primary energy, non renewable		MJ							
Tetrachloroethylene	Air	kg							

				Utilisation							Utilisation
					Lave-linge	Lave-linge	Lave-linge	Lave-linge	Pressing		
				Transport	Elec lave-linge	Lessive pour lave-linge	Eau pour lave-linge	Sèche-linge	Pressing	Repassage	TOTAL
Inventory	Compartr	Sub-com	Unit								
Energy, gross calorific value,	Raw	biotic	MJ	8.71E-06	2.29E-03	9.37E-04				2.21E-03	5.45E-03
Peat, in ground	Raw	biotic	kg	7.01E-10	1.17E-08	2.02E-08				1.13E-08	4.38E-08
Wood, hard, standing	Raw	biotic	m3	2.45E-10	7.81E-08	2.03E-08				7.53E-08	1.74E-07
Wood, soft, standing	Raw	biotic	m3	5.66E-10	1.41E-07	7.32E-08				1.36E-07	3.50E-07
Wood, unspecified, standing/	Raw	biotic	m3	2.79E-14	7.56E-12	2.55E-12				7.29E-12	1.74E-11
Carbon dioxide, in air	Raw	in air	kg	7.72E-07	2.07E-04	8.38E-05				2.00E-04	4.92E-04
Energy, kinetic, flow, in wind	Raw	in air	MJ	6.38E-06	1.18E-04	7.76E-04				1.14E-04	1.01E-03
Energy, solar	Raw	in air	MJ	1.54E-07	1.23E-06	1.06E-05				1.19E-06	1.31E-05
Aluminium, 24% in bauxite, 1	Raw	in groun	kg	3.77E-07	3.25E-06	8.83E-04				3.14E-06	8.89E-04
Anhydrite, in ground	Raw	in groun	kg	4.96E-12	4.23E-11	3.96E-09				4.08E-11	4.05E-09
Barite, 15% in crude ore, in g	Raw	in groun	kg	5.06E-07	1.07E-06	8.63E-06				1.03E-06	1.12E-05
Basalt, in ground	Raw	in groun	kg	2.27E-08	1.27E-07	2.45E-06				1.22E-07	2.72E-06
Borax, in ground	Raw	in groun	kg	2.13E-11	1.96E-11	1.21E-03				1.89E-11	1.21E-03
Calcite, in ground	Raw	in groun	kg	1.16E-05	6.39E-05	4.53E-04				6.17E-05	5.90E-04
Chromium, 25.5 in chromite,	Raw	in groun	kg	2.51E-08	1.93E-06	7.73E-06				1.86E-06	1.16E-05
Chrysotile, in ground	Raw	in groun	kg	4.62E-12	1.12E-10	3.49E-08				1.08E-10	3.52E-08
Cinnabar, in ground	Raw	in groun	kg	3.96E-13	1.04E-11	3.21E-09				1.00E-11	3.23E-09
Clay, bentonite, in ground	Raw	in groun	kg	1.79E-07	3.62E-06	1.63E-06				3.49E-06	8.92E-06
Clay, unspecified, in ground	Raw	in groun	kg	3.48E-06	1.64E-05	7.28E-05				1.58E-05	1.08E-04
Coal, brown, in ground	Raw	in groun	kg	8.81E-06	6.69E-05	1.06E-03				6.45E-05	1.20E-03
Coal, hard, unspecified, in gr	Raw	in groun	kg	9.20E-06	1.02E-03	8.22E-04				9.82E-04	2.83E-03
Cobalt, in ground	Raw	in groun	kg	3.06E-12	7.20E-13	1.01E-11				6.95E-13	1.46E-11
Colemanite, in ground	Raw	in groun	kg	5.17E-11	5.88E-08	4.69E-09				5.67E-08	1.20E-07
Copper, 0.99% in sulfide, Cu	Raw	in groun	kg	3.06E-09	8.77E-07	1.56E-07				8.46E-07	1.88E-06
Copper, 1.18% in sulfide, Cu	Raw	in groun	kg	1.69E-08	4.87E-06	8.67E-07				4.69E-06	1.04E-05
Copper, 1.42% in sulfide, Cu	Raw	in groun	kg	4.49E-09	1.29E-06	2.29E-07				1.24E-06	2.76E-06
Copper, 2.19% in sulfide, Cu	Raw	in groun	kg	2.23E-08	6.40E-06	1.14E-06				6.18E-06	1.37E-05
Diatomite, in ground	Raw	in groun	kg	2.63E-13	1.13E-12	9.89E-13				1.09E-12	3.48E-12
Dolomite, in ground	Raw	in groun	kg	2.02E-08	1.13E-07	2.06E-07				1.09E-07	4.49E-07
Feldspar, in ground	Raw	in groun	kg	1.11E-14	4.08E-14	1.40E-12				3.94E-14	1.50E-12
Fluorine, 4.5% in apatite, 1%	Raw	in groun	kg	3.55E-10	5.56E-09	6.50E-08				5.37E-09	7.63E-08
Fluorine, 4.5% in apatite, 3%	Raw	in groun	kg	1.69E-10	2.47E-09	2.85E-08				2.38E-09	3.36E-08
Fluorspar, 92%, in ground	Raw	in groun	kg	1.04E-08	7.92E-07	8.74E-06				7.64E-07	1.03E-05
Gas, mine, off-gas, process,	Raw	in groun	m3	9.25E-08	4.80E-06	8.05E-06				4.63E-06	1.76E-05
Gas, natural, in ground	Raw	in groun	m3	1.41E-05	1.95E-04	1.91E-03				1.88E-04	2.31E-03
Granite, in ground	Raw	in groun	kg	4.85E-10	1.12E-10	1.68E-09				1.08E-10	2.39E-09
Gravel, in ground	Raw	in groun	kg	4.99E-04	3.63E-04	3.29E-03				3.50E-04	4.50E-03
Gypsum, in ground	Raw	in groun	kg	2.55E-10	2.00E-10	2.09E-08				1.93E-10	2.16E-08
Iron, 46% in ore, 25% in crud	Raw	in groun	kg	1.21E-05	4.70E-05	8.55E-05				4.54E-05	1.90E-04
Kaolinite, 24% in crude ore, i	Raw	in groun	kg	3.86E-09	4.36E-08	2.82E-08				4.21E-08	1.18E-07
Kieserite, 25% in crude ore, i	Raw	in groun	kg	6.61E-11	3.59E-10	2.16E-10				3.46E-10	9.87E-10
Lead, 5%, in sulfide, Pb 2.97	Raw	in groun	kg	2.49E-06	6.32E-06	2.46E-06				6.09E-06	1.74E-05
Magnesite, 60% in crude ore,	Raw	in groun	kg	1.51E-07	2.61E-07	1.25E-06				2.52E-07	1.91E-06
Manganese, 35.7% in sedime	Raw	in groun	kg	8.75E-09	6.10E-08	5.18E-07				5.88E-08	6.47E-07
Molybdenum, 0.010% in sulfi	Raw	in groun	kg	1.54E-10	4.43E-08	7.89E-09				4.27E-08	9.51E-08
Molybdenum, 0.014% in sulfi	Raw	in groun	kg	2.19E-11	6.31E-09	1.12E-09				6.08E-09	1.35E-08
Molybdenum, 0.022% in sulfi	Raw	in groun	kg	3.06E-09	2.01E-08	1.83E-07				1.94E-08	2.26E-07
Molybdenum, 0.025% in sulfi	Raw	in groun	kg	8.04E-11	2.31E-08	4.12E-09				2.23E-08	4.96E-08
Molybdenum, 0.11% in sulfid	Raw	in groun	kg	6.20E-09	4.06E-08	3.69E-07				3.91E-08	4.55E-07
Nickel, 1.13% in sulfide, Ni 0.	Raw	in groun	kg	3.63E-11	9.20E-09	5.97E-09				8.87E-09	2.41E-08
Nickel, 1.98% in silicates, 1.0	Raw	in groun	kg	1.17E-07	3.11E-06	1.14E-05				3.00E-06	1.77E-05
Oil, crude, in ground	Raw	in groun	kg	1.38E-04	1.78E-04	1.22E-03				1.72E-04	1.71E-03
Olivine, in ground	Raw	in groun	kg	2.00E-12	2.18E-11	1.23E-09				2.10E-11	1.27E-09
Pd, Pd 2.0E-4%, Pt 4.8E-4%,	Raw	in groun	kg	1.14E-13	2.08E-13	9.28E-13				2.01E-13	1.45E-12
Pd, Pd 7.3E-4%, Pt 2.5E-4%,	Raw	in groun	kg	2.74E-13	5.00E-13	2.23E-12				4.82E-13	3.48E-12
Phosphorus, 18% in apatite,	Raw	in groun	kg	7.27E-10	1.01E-08	1.15E-07				9.75E-09	1.36E-07
Phosphorus, 18% in apatite,	Raw	in groun	kg	1.42E-09	2.23E-08	2.60E-07				2.15E-08	3.05E-07
Pt, Pt 2.5E-4%, Pd 7.3E-4%,	Raw	in groun	kg	3.28E-15	2.52E-14	2.85E-14				2.43E-14	8.13E-14
Pt, Pt 4.8E-4%, Pd 2.0E-4%,	Raw	in groun	kg	1.18E-14	9.04E-14	1.02E-13				8.72E-14	2.92E-13
Rh, Rh 2.0E-5%, Pt 2.5E-4%	Raw	in groun	kg	2.59E-15	4.75E-15	2.11E-14				4.58E-15	3.31E-14
Rh, Rh 2.4E-5%, Pt 4.8E-4%	Raw	in groun	kg	8.15E-15	1.48E-14	6.63E-14				1.43E-14	1.04E-13
Rhenium, in crude ore, in gro	Raw	in groun	kg	4.61E-15	5.87E-15	2.97E-14				5.66E-15	4.58E-14
Rutile, in ground	Raw	in groun	kg	9.79E-15	2.74E-14	3.49E-13				2.64E-14	4.13E-13
Sand, unspecified, in ground	Raw	in groun	kg	2.01E-10	4.08E-09	3.70E-08				3.94E-09	4.52E-08
Shale, in ground	Raw	in groun	kg	1.40E-11	1.20E-10	1.12E-08				1.16E-10	1.15E-08
Silver, 0.01% in crude ore, in	Raw	in groun	kg	6.32E-14	5.04E-13	4.32E-12				4.86E-13	5.37E-12
Sodium chloride, in ground	Raw	in groun	kg	1.38E-06	1.09E-05	1.57E-03				1.05E-05	1.59E-03
Sodium sulphate, various forr	Raw	in groun	kg	2.91E-09	4.57E-08	2.71E-05				4.41E-08	2.72E-05
Stibnite, in ground	Raw	in groun	kg	2.73E-14	1.18E-13	1.03E-13				1.14E-13	3.62E-13
Sulfur, in ground	Raw	in groun	kg	3.75E-10	1.10E-08	3.02E-08				1.06E-08	5.23E-08
Sylvite, 25 % in sylvinite, in g	Raw	in groun	kg	7.15E-10	1.72E-07	3.35E-08				1.66E-07	3.73E-07
Talc, in ground	Raw	in groun	kg	7.72E-11	2.52E-09	5.50E-09				2.43E-09	1.05E-08
Tin, 79% in cassiterite, 0.1%	Raw	in groun	kg	1.60E-10	3.53E-10	9.33E-09				3.41E-10	1.02E-08
TiO2, 45-60% in Ilmenite, in	Raw	in groun	kg	3.07E-08	9.80E-08	1.14E-06				9.45E-08	1.37E-06
Ulexite, in ground	Raw	in groun	kg	3.10E-12	5.73E-11	3.76E-10				5.52E-11	4.92E-10
Uranium, in ground	Raw	in groun	kg	7.52E-10	6.28E-07	5.64E-08				6.06E-07	1.29E-06
Vermiculite, in ground	Raw	in groun	kg	5.31E-12	5.28E-11	4.13E-09				5.09E-11	4.24E-09
Volume occupied, final repos	Raw	in groun	m3	1.53E-12	1.30E-09	1.16E-10				1.25E-09	2.67E-09
Volume occupied, final repos	Raw	in groun	m3	3.63E-13	3.60E-10	2.91E-11				3.47E-10	7.37E-10
Volume occupied, undergrou	Raw	in groun	m3	8.47E-12	5.58E-11	3.34E-10				5.38E-11	4.52E-10
Zinc 9%, in sulfide, Zn 5.34%	Raw	in groun	kg	4.68E-08	5.12E-08	2.59E-06				4.94E-08	2.74E-06
Energy, potential, stock, in ba	Raw	in water	MJ	1.08E-04	2.05E-02	5.25E-03				1.98E-02	4.57E-02
Magnesium, 0.13% in water	Raw	in water	kg	1.48E-13	1.04E-11	1.52E-11				1.00E-11	3.57E-11
Volume occupied, reservoir	Raw	in water	m3y	1.64E-06	1.76E-04	7.53E-05				1.69E-04	4.22E-04
Water, cooling, unspecified n	Raw	in water	m3	1.70E-06	1.07E-04	5.32E-04				1.03E-04	7.44E-04
Water, lake	Raw	in water	m3	5.20E-09	5.16E-08	4.04E-06				4.98E-08	4.15E-06
Water, river	Raw	in water	m3	4.00E-07	1.85E-04	3.44E-05				1.79E-04	3.99E-04
Water, salt, ocean	Raw	in water	m3	6.58E-08	5.50E-05	4.94E-06				5.30E-05	1.13E-04
Water, salt, sole	Raw	in water	m3	8.86E-08	1.37E-07	6.10E-07				1.33E-07	9.69E-07
Water, turbine use, unspecifie	Raw	in water	m3	6.44E-04	1.71E-01	3.49E-02				1.65E-01	3.72E-01
Water, unspecified natural ori	Raw	in water	m3	4.29E-06	5.77E-04	1.18E-04	1.99E-03			5.57E-04	3.24E-03
Water, well, in ground	Raw	in water	m3	3.43E-07	2.33E-06	5.02E-05				2.25E-06	5.52E-05
Occup. as Convent. arable la	Raw	land	m2a	4.93E-08	1.17E-07	2.12E-07				1.13E-07	4.90E-07

				Utilisation							Utilisation	Utilisation
					Lave-linge	Lave-linge	Lave-linge	Lave-linge	Pressing			
				Transport	Elec lave-linge	Lessive pour lave-linge	Eau pour lave-linge	Sèche-linge	Pressing	Repassage	TOTAL
Occupation, construction site	Raw	land	m2a	1.62E-08	3.63E-07	1.30E-06				3.50E-07	2.03E-06
Occupation, dump site	Raw	land	m2a	2.56E-07	2.21E-05	1.08E-05				2.14E-05	5.46E-05
Occupation, dump site, benth	Raw	land	m2a	3.18E-08	1.04E-07	6.44E-07				1.01E-07	8.81E-07
Occup. as Forest land	Raw	land	m2a	1.61E-07	9.63E-07	9.59E-06				9.29E-07	1.16E-05
Occup. as Forest land	Raw	land	m2a	1.13E-06	2.33E-04	1.40E-04				2.25E-04	6.00E-04
Occup. as Industrial area	Raw	land	m2a	3.62E-07	4.40E-06	5.70E-06				4.24E-06	1.47E-05
Occupation, industrial area, b	Raw	land	m2a	2.84E-10	1.09E-09	5.67E-09				1.05E-09	8.10E-09
Occupation, industrial area, b	Raw	land	m2a	6.33E-08	1.77E-06	1.25E-05				1.70E-06	1.61E-05
Occupation, industrial area, v	Raw	land	m2a	7.28E-08	5.90E-07	4.00E-06				5.69E-07	5.23E-06
Occupation, mineral extractio	Raw	land	m2a	1.44E-06	4.95E-06	2.00E-05				4.78E-06	3.12E-05
Occupation, permanent crop,	Raw	land	m2a	1.90E-09	2.39E-09	3.16E-08				2.30E-09	3.81E-08
Occup. as Discont. urban lan	Raw	land	m2a	1.05E-08	7.14E-08	3.54E-07				6.88E-08	5.04E-07
Occup. as rail/ road area	Raw	land	m2a	2.34E-08	2.89E-07	4.24E-06				2.79E-07	4.83E-06
Occup. as rail/ road area	Raw	land	m2a	2.59E-08	3.20E-07	4.69E-06				3.08E-07	5.34E-06
Occup. as rail/ road area	Raw	land	m2a	6.02E-07	2.32E-06	2.13E-06				2.24E-06	7.30E-06
Occup. as rail/ road area	Raw	land	m2a	3.05E-06	8.15E-07	6.50E-06				7.86E-07	1.12E-05
Occup. as Contin. urban land	Raw	land	m2a	4.49E-11	1.78E-10	1.00E-07				1.72E-10	1.01E-07
Occupation, water bodies, art	Raw	land	m2a	4.75E-07	5.03E-06	8.85E-06				4.85E-06	1.92E-05
Occupation, water courses, a	Raw	land	m2a	1.96E-07	1.73E-05	3.87E-06				1.67E-05	3.81E-05
Transformation, from arable	Raw	land	m2	1.05E-10	2.01E-08	1.81E-07				1.94E-08	2.21E-07
Transformation, from arable,	Raw	land	m2	9.12E-08	2.15E-07	3.90E-07				2.07E-07	9.03E-07
Transformation, from arable,	Raw	land	m2	2.38E-11	2.09E-10	5.68E-08				2.02E-10	5.73E-08
Transformation, from dump s	Raw	land	m2	1.87E-09	1.09E-08	1.71E-08				1.05E-08	4.03E-08
Transformation, from dump s	Raw	land	m2	2.22E-10	3.25E-09	5.16E-08				3.14E-09	5.83E-08
Transformation, from dump s	Raw	land	m2	3.76E-12	1.27E-10	1.23E-09				1.22E-10	1.48E-09
Transformation, from dump s	Raw	land	m2	5.35E-12	3.60E-11	7.60E-10				3.47E-11	8.36E-10
Transformation, from forest	Raw	land	m2	1.29E-07	2.91E-07	1.44E-06				2.81E-07	2.14E-06
Transformation, from forest, e	Raw	land	m2	9.57E-09	1.65E-06	1.20E-06				1.59E-06	4.45E-06
Transformation, from industri	Raw	land	m2	1.45E-10	7.19E-08	1.41E-08				6.93E-08	1.56E-07
Transformation, from industri	Raw	land	m2	1.22E-13	8.74E-12	4.82E-11				8.43E-12	6.55E-11
Transformation, from industri	Raw	land	m2	5.06E-13	7.95E-12	9.28E-11				7.67E-12	1.09E-10
Transformation, from industri	Raw	land	m2	8.63E-13	1.35E-11	1.58E-10				1.30E-11	1.86E-10
Transformation, from mineral	Raw	land	m2	1.20E-08	5.40E-08	6.40E-07				5.21E-08	7.58E-07
Transformation, from pasture	Raw	land	m2	3.86E-09	1.49E-07	1.49E-07				1.44E-07	4.46E-07
Transformation, from pasture	Raw	land	m2	7.35E-11	1.73E-10	3.15E-10				1.67E-10	7.29E-10
Transformation, from sea anc	Raw	land	m2	3.18E-08	1.04E-07	6.45E-07				1.01E-07	8.82E-07
Transformation, from shrub la	Raw	land	m2	2.50E-09	1.21E-07	9.16E-08				1.17E-07	3.32E-07
Transformation, from unknow	Raw	land	m2	1.87E-07	5.24E-07	1.74E-06				5.05E-07	2.95E-06
Transformation, to arable	Raw	land	m2	7.26E-10	2.67E-08	2.81E-07				2.58E-08	3.35E-07
Transformation, to arable, no	Raw	land	m2	9.12E-08	2.15E-07	3.91E-07				2.07E-07	9.04E-07
Transformation, to arable, no	Raw	land	m2	3.85E-11	2.86E-10	6.15E-08				2.76E-10	6.21E-08
Transformation, to dump site	Raw	land	m2	1.81E-09	1.76E-07	7.24E-08				1.69E-07	4.19E-07
Transformation, to dump site,	Raw	land	m2	3.18E-08	1.04E-07	6.44E-07				1.01E-07	8.81E-07
Transformation, to dump site,	Raw	land	m2	1.87E-09	1.09E-08	1.71E-08				1.05E-08	4.03E-08
Transformation, to dump site,	Raw	land	m2	2.22E-10	3.25E-09	5.16E-08				3.14E-09	5.83E-08
Transformation, to dump site,	Raw	land	m2	3.76E-12	1.27E-10	1.23E-09				1.22E-10	1.48E-09
Transformation, to dump site,	Raw	land	m2	5.35E-12	3.60E-11	7.60E-10				3.47E-11	8.36E-10
Transformation, to forest	Raw	land	m2	1.23E-08	4.02E-08	3.42E-07				3.87E-08	4.33E-07
Transformation, to forest, inte	Raw	land	m2	1.07E-09	6.43E-09	6.36E-08				6.20E-09	7.73E-08
Transformation, to forest, inte	Raw	land	m2	8.38E-09	1.63E-06	1.08E-06				1.57E-06	4.29E-06
Transformation, to heterogen	Raw	land	m2	6.39E-09	1.27E-08	6.21E-08				1.22E-08	9.34E-08
Transformation, to industrial a	Raw	land	m2	1.57E-09	7.36E-08	7.64E-08				7.10E-08	2.23E-07
Transformation, to industrial a	Raw	land	m2	2.11E-11	5.38E-11	6.60E-10				5.19E-11	7.87E-10
Transformation, to industrial a	Raw	land	m2	1.36E-09	5.10E-08	2.54E-07				4.91E-08	3.56E-07
Transformation, to industrial a	Raw	land	m2	1.58E-09	1.67E-08	8.23E-08				1.61E-08	1.17E-07
Transformation, to mineral ex	Raw	land	m2	2.64E-07	4.41E-07	2.56E-06				4.25E-07	3.69E-06
Transformation, to pasture ar	Raw	land	m2	2.45E-11	9.44E-10	8.52E-09				9.10E-10	1.04E-08
Transformation, to permanen	Raw	land	m2	1.90E-11	2.39E-11	5.05E-10				2.30E-11	5.71E-10
Transformation, to sea and o	Raw	land	m2	1.22E-13	8.74E-12	4.82E-11				8.43E-12	6.55E-11
Transformation, to shrub land	Raw	land	m2	2.11E-09	1.43E-08	7.07E-08				1.38E-08	1.01E-07
Transformation, to traffic area	Raw	land	m2	5.45E-11	6.72E-10	9.86E-09				6.48E-10	1.12E-08
Transformation, to traffic area	Raw	land	m2	5.98E-11	7.39E-10	1.08E-08				7.12E-10	1.24E-08
Transformation, to traffic area	Raw	land	m2	1.56E-09	1.61E-08	1.32E-08				1.56E-08	4.65E-08
Transformation, to traffic area	Raw	land	m2	7.46E-09	1.41E-08	5.99E-08				1.36E-08	9.50E-08
Transformation, to unknown	Raw	land	m2	1.41E-09	9.51E-08	1.12E-07				9.18E-08	3.00E-07
Transformation, to urban, dis	Raw	land	m2	8.92E-13	3.55E-12	2.00E-09				3.42E-12	2.00E-09
Transformation, to water bodi	Raw	land	m2	3.15E-08	5.49E-08	2.46E-07				5.29E-08	3.85E-07
Transformation, to water cour	Raw	land	m2	1.90E-09	2.14E-07	4.59E-08				2.06E-07	4.68E-07
Acetic acid	Air		kg	9.93E-11	4.63E-10	1.28E-06				4.46E-10	1.28E-06
Aluminum	Air		kg	7.18E-09	4.29E-07	2.47E-07				4.14E-07	1.10E-06
Ammonia	Air		kg	1.55E-08	1.70E-07	1.43E-07				1.64E-07	4.92E-07
Antimony	Air		kg	1.40E-14	6.30E-14	1.11E-13				6.07E-14	2.49E-13
Arsenic	Air		kg	8.43E-14	3.77E-13	6.68E-13				3.64E-13	1.49E-12
Benzene	Air		kg	5.90E-09	4.62E-10	9.92E-09				4.45E-10	1.67E-08
Benzene, hexachloro-	Air		kg	1.02E-13	1.70E-13	8.40E-13				1.64E-13	1.28E-12
Benzo(a)pyrene	Air		kg	6.20E-13	4.17E-12	1.25E-11				4.02E-12	2.13E-11
Beryllium	Air		kg	2.11E-14	9.44E-14	1.66E-13				9.10E-14	3.73E-13
Butadiene	Air		kg	1.36E-17	3.02E-17	1.11E-16				2.91E-17	1.84E-16
Cadmium	Air		kg	2.66E-12	1.42E-12	6.17E-12				1.37E-12	1.16E-11
Carbon dioxide, biogenic	Air		kg	1.06E-07	4.75E-07	8.39E-07				4.58E-07	1.88E-06
Carbon dioxide, fossil	Air		kg	3.35E-04	7.59E-05	1.98E-03				7.32E-05	2.47E-03
Carbon monoxide, biogenic	Air		kg	1.52E-08	1.29E-07	3.62E-07				1.24E-07	6.30E-07
Carbon monoxide, fossil	Air		kg	9.12E-07	1.72E-06	6.90E-06				1.66E-06	1.12E-05
Chlorine	Air		kg	1.23E-14	1.03E-13	2.79E-13				9.91E-14	4.94E-13
Chromium	Air		kg	2.91E-11	2.99E-11	1.27E-10				2.88E-11	2.15E-10
Chromium VI	Air		kg	3.74E-14	1.92E-14	6.70E-14				1.85E-14	1.42E-13
Cobalt	Air		kg	3.07E-14	2.41E-12	5.49E-13				2.33E-12	5.32E-12
Copper	Air		kg	1.59E-10	2.47E-11	2.72E-10				2.38E-11	4.80E-10
Dinitrogen monoxide	Air		kg	1.22E-08	1.73E-07	5.20E-08				1.67E-07	4.05E-07
Dioxins, measured as 2,3,7,8	Air		kg	8.94E-14	3.47E-13	6.30E-13				3.35E-13	1.40E-12
Ethane, 1,1,1,2-tetrafluoro-, H	Air		kg	7.85E-10	3.33E-11	8.66E-10				3.21E-11	1.72E-09
Ethane, hexafluoro-, HFC-11	Air		kg	4.63E-12	3.93E-11	1.10E-10				3.79E-11	1.92E-10
Ethylene oxide	Air		kg	1.31E-16	2.91E-16	1.07E-15				2.81E-16	1.77E-15
Ethyne	Air		kg	5.96E-14	1.35E-11	4.56E-12				1.30E-11	3.12E-11
Fluorine	Air		kg	1.57E-17	1.25E-16	1.07E-15				1.21E-16	1.34E-15

				Utilisation							Utilisation	Utilisation
					Lave-linge	Lave-linge	Lave-linge	Lave-linge	Pressing			
				Transport	Elec lave-linge	Lessive pour lave-linge	Eau pour lave-linge	Sèche-linge	Pressing	Repassage	TOTAL
Formaldehyde	Air		kg	5.86E-12	1.42E-09	6.82E-10				1.37E-09	3.47E-09
Heat, waste	Air		MJ	5.18E-03	6.54E-03	1.23E-02				6.30E-03	3.03E-02
Helium	Air		kg	2.08E-19	6.50E-19	7.74E-18				6.27E-19	9.22E-18
Hydrocarbons, aliphatic, alka	Air		kg	1.64E-09	5.60E-09	1.06E-08				5.40E-09	2.32E-08
Hydrocarbons, aromatic	Air		kg	3.91E-10	6.54E-10	3.24E-09				6.30E-10	4.91E-09
Hydrocarbons, chlorinated	Air		kg	3.21E-12	3.65E-11	1.03E-10				3.53E-11	1.78E-10
Hydrogen	Air		kg	5.89E-12	2.74E-11	7.55E-08				2.64E-11	7.56E-08
Hydrogen chloride	Air		kg	1.10E-09	2.92E-09	2.39E-08				2.82E-09	3.08E-08
Hydrogen fluoride	Air		kg	2.11E-10	1.30E-09	4.07E-09				1.25E-09	6.83E-09
Hydrogen sulfide	Air		kg	9.96E-11	3.86E-10	7.01E-10				3.73E-10	1.56E-09
Iron	Air		kg	6.45E-11	1.37E-10	6.35E-10				1.33E-10	9.69E-10
Lead	Air		kg	5.60E-11	1.78E-10	3.97E-10				1.72E-10	8.02E-10
Manganese	Air		kg	9.41E-12	4.03E-11	8.48E-11				3.88E-11	1.73E-10
Mercury	Air		kg	1.24E-11	2.29E-11	1.01E-10				2.21E-11	1.58E-10
Methane, fossil	Air		kg	1.05E-08	5.20E-09	6.20E-06				5.02E-09	6.22E-06
Methane, tetrafluoro-, FC-14	Air		kg	4.18E-11	3.53E-10	9.95E-10				3.41E-10	1.73E-09
Methanol	Air		kg	5.01E-11	2.33E-10	6.43E-07				2.25E-10	6.43E-07
Molybdenum	Air		kg	3.81E-17	4.00E-14	3.31E-15				3.86E-14	8.20E-14
Nickel	Air		kg	2.37E-11	1.67E-11	7.98E-11				1.61E-11	1.36E-10
Nitrogen oxides	Air		kg	3.68E-06	1.96E-06	1.28E-05				1.89E-06	2.04E-05
NMVOC, non-methane volatil	Air		kg	5.42E-07	2.97E-07	6.78E-06				2.86E-07	7.90E-06
Ozone	Air		kg	3.75E-10	1.55E-07	3.09E-08				1.49E-07	3.36E-07
PAH, polycyclic aromatic hyd	Air		kg	3.51E-11	1.67E-10	5.24E-10				1.61E-10	8.87E-10
Particulates, < 2.5 um	Air		kg	2.01E-07	1.19E-07	7.93E-07				1.15E-07	1.23E-06
Particulates, > 10 um	Air		kg	1.58E-07	2.76E-08	9.21E-07				2.66E-08	1.13E-06
Particulates, > 2.5 um, and <	Air		kg	3.96E-08	3.14E-08	1.77E-06				3.03E-08	1.87E-06
Phenol	Air		kg	3.05E-14	2.12E-13	4.21E-12				2.04E-13	4.66E-12
Phosphorus	Air		kg	1.31E-14	1.09E-13	2.96E-13				1.05E-13	5.24E-13
Platinum	Air		kg	4.58E-18	3.14E-18	1.38E-17				3.03E-18	2.45E-17
Polychlorinated biphenyls	Air		kg	1.80E-13	4.40E-13	1.41E-12				4.24E-13	2.46E-12
Selenium	Air		kg	8.01E-13	1.56E-13	1.42E-12				1.50E-13	2.53E-12
Silicon	Air		kg	8.26E-19	2.56E-18	3.06E-17				2.47E-18	3.64E-17
Sodium	Air		kg	4.94E-15	7.31E-15	1.74E-13				7.05E-15	1.93E-13
Sulfate	Air		kg	1.25E-13	1.29E-13	7.14E-13				1.24E-13	1.09E-12
Sulfur dioxide	Air		kg	8.27E-08	8.89E-08	6.54E-06				8.58E-08	6.80E-06
Sulfur hexafluoride	Air		kg	5.24E-12	1.52E-09	5.03E-10				1.46E-09	3.49E-09
Thallium	Air		kg	9.13E-14	4.09E-13	7.21E-13				3.95E-13	1.62E-12
Tin	Air		kg	6.65E-13	3.16E-12	9.79E-12				3.05E-12	1.67E-11
Titanium	Air		kg	1.56E-13	6.06E-13	1.10E-12				5.84E-13	2.44E-12
Toluene	Air		kg	2.49E-09	1.90E-10	4.08E-09				1.83E-10	6.94E-09
Vanadium	Air		kg	4.66E-13	1.82E-12	3.30E-12				1.76E-12	7.34E-12
water	Air		kg	1.10E-08	6.60E-07	3.79E-07				6.37E-07	1.69E-06
Xylene	Air		kg	2.49E-09	1.88E-10	4.08E-09				1.81E-10	6.94E-09
Zinc	Air		kg	4.10E-10	2.56E-10	2.66E-09				2.47E-10	3.57E-09
Acenaphthene	Air	high. pop	kg	5.55E-17	6.20E-15	7.07E-15				5.98E-15	1.93E-14
Acetaldehyde	Air	high. pop	kg	1.19E-11	1.23E-09	1.99E-09				1.19E-09	4.42E-09
Acetic acid	Air	high. pop	kg	8.15E-11	5.71E-09	1.55E-08				5.50E-09	2.68E-08
Acetone	Air	high. pop	kg	1.17E-11	1.12E-09	1.92E-09				1.08E-09	4.14E-09
Acrolein	Air	high. pop	kg	4.77E-14	1.04E-13	3.97E-13				1.00E-13	6.49E-13
Aldehydes, unspecified	Air	high. pop	kg	1.08E-12	1.06E-11	3.58E-09				1.02E-11	3.61E-09
Aluminum	Air	high. pop	kg	4.70E-11	1.82E-09	4.42E-08				1.76E-09	4.78E-08
Ammonia	Air	high. pop	kg	4.50E-10	1.63E-07	4.27E-07				1.57E-07	7.47E-07
Ammonium carbonate	Air	high. pop	kg	3.30E-14	5.19E-11	1.57E-11				5.01E-11	1.18E-10
Antimony	Air	high. pop	kg	8.64E-15	3.24E-13	6.55E-12				3.13E-13	7.19E-12
Arsenic	Air	high. pop	kg	2.04E-12	4.50E-11	2.19E-10				4.34E-11	3.09E-10
Barium	Air	high. pop	kg	5.96E-13	2.26E-11	5.10E-10				2.18E-11	5.55E-10
Benzaldehyde	Air	high. pop	kg	2.50E-14	5.43E-14	2.06E-13				5.24E-14	3.38E-13
Benzene	Air	high. pop	kg	8.80E-10	3.28E-09	2.62E-08				3.17E-09	3.36E-08
Benzene, ethyl-	Air	high. pop	kg	1.86E-10	2.81E-10	1.07E-09				2.71E-10	1.81E-09
Benzene, hexachloro-	Air	high. pop	kg	5.19E-16	1.91E-14	1.00E-13				1.84E-14	1.38E-13
Benzene, pentachloro-	Air	high. pop	kg	1.30E-15	4.80E-14	2.51E-13				4.63E-14	3.47E-13
Benzo(a)pyrene	Air	high. pop	kg	5.14E-15	9.18E-13	1.10E-12				8.85E-13	2.91E-12
Beryllium	Air	high. pop	kg	7.38E-15	4.44E-13	5.30E-12				4.28E-13	6.18E-12
Boron	Air	high. pop	kg	2.37E-12	1.60E-10	1.99E-09				1.55E-10	2.31E-09
Bromine	Air	high. pop	kg	5.42E-13	1.02E-10	8.53E-11				9.88E-11	2.87E-10
Butane	Air	high. pop	kg	8.09E-09	1.77E-08	8.51E-08				1.70E-08	1.28E-07
Butene	Air	high. pop	kg	1.86E-10	2.31E-10	1.20E-09				2.23E-10	1.84E-09
Cadmium	Air	high. pop	kg	4.08E-12	3.43E-11	2.34E-10				3.30E-11	3.05E-10
Calcium	Air	high. pop	kg	5.16E-11	1.01E-08	9.38E-09				9.73E-09	2.93E-08
Carbon dioxide, biogenic	Air	high. pop	kg	5.37E-07	1.90E-04	2.32E-04				1.83E-04	6.05E-04
Carbon dioxide, fossil	Air	high. pop	kg	3.94E-05	1.25E-03	5.63E-03				1.21E-03	8.14E-03
Carbon disulfide	Air	high. pop	kg	9.93E-15	3.83E-14	4.31E-13				3.69E-14	5.16E-13
Carbon monoxide, biogenic	Air	high. pop	kg	1.06E-10	3.00E-08	3.67E-08				2.89E-08	9.57E-08
Carbon monoxide, fossil	Air	high. pop	kg	5.09E-07	2.42E-07	2.37E-06				2.34E-07	3.35E-06
Chlorine	Air	high. pop	kg	1.28E-10	1.09E-09	2.30E-08				1.05E-09	2.52E-08
Chloroform	Air	high. pop	kg	1.96E-14	5.24E-12	1.30E-12				5.05E-12	1.16E-11
Chromium	Air	high. pop	kg	2.35E-12	7.51E-11	2.50E-10				7.24E-11	4.00E-10
Chromium VI	Air	high. pop	kg	4.05E-14	1.89E-12	1.35E-11				1.82E-12	1.73E-11
Cobalt	Air	high. pop	kg	5.10E-12	1.89E-10	3.98E-10				1.82E-10	7.74E-10
Copper	Air	high. pop	kg	3.69E-11	3.46E-10	5.92E-09				3.34E-10	6.64E-09
Cumene	Air	high. pop	kg	3.76E-11	1.57E-10	1.62E-09				1.52E-10	1.97E-09
Cyanide	Air	high. pop	kg	2.00E-12	5.63E-11	2.85E-10				5.43E-11	3.97E-10
Dinitrogen monoxide	Air	high. pop	kg	8.71E-10	4.82E-08	8.58E-08				4.65E-08	1.81E-07
Dioxins, measured as 2,3,7,8	Air	high. pop	kg	9.15E-17	3.61E-15	8.13E-14				3.48E-15	8.85E-14
Ethane	Air	high. pop	kg	2.02E-09	1.33E-08	2.92E-08				1.28E-08	5.74E-08
Ethane, 1,1,1,2-tetrafluoro-, H	Air	high. pop	kg	1.21E-17	1.03E-16	3.35E-15				9.97E-17	3.56E-15
Ethane, 1,2-dichloro-	Air	high. pop	kg	1.31E-12	4.84E-10	5.54E-10				4.67E-10	1.51E-09
Ethanol	Air	high. pop	kg	2.34E-11	2.28E-09	3.88E-09				2.20E-09	8.38E-09
Ethene	Air	high. pop	kg	4.06E-10	1.07E-09	5.90E-08				1.04E-09	6.15E-08
Ethene, chloro-	Air	high. pop	kg	1.02E-12	9.95E-10	3.58E-10				9.60E-10	2.31E-09
Ethylene diamine	Air	high. pop	kg	1.37E-15	2.64E-15	4.18E-15				2.55E-15	1.07E-14
Ethylene oxide	Air	high. pop	kg	4.12E-13	1.79E-12	3.86E-09				1.73E-12	3.86E-09
Ethyne	Air	high. pop	kg	2.28E-12	8.51E-11	2.01E-09				8.21E-11	2.18E-09
Fluorine	Air	high. pop	kg	5.87E-13	8.28E-11	2.22E-11				7.99E-11	1.85E-10
Fluosilicic acid	Air	high. pop	kg	5.43E-12	4.59E-11	1.29E-10				4.43E-11	2.25E-10

				Utilisation						Utilisation	Utilisation
					Lave-linge	Lave-linge	Lave-linge	Lave-linge	Pressing		
				Transport	Elec lave-linge	Lessive pour lave-linge	Eau pour lave-linge	Sèche-linge	Pressing	Repassage	TOTAL
Formaldehyde	Air	high. pop.	kg	8.54E-11	5.46E-09	1.76E-08				5.26E-09	2.84E-08
Heat, waste	Air	high. pop.	MJ	6.02E-04	1.17E-02	1.11E-01				1.13E-02	1.35E-01
Heptane	Air	high. pop.	kg	1.86E-09	2.31E-09	1.06E-08				2.23E-09	1.70E-08
Hexane	Air	high. pop.	kg	4.03E-09	1.11E-08	2.98E-08				1.07E-08	5.57E-08
Hydrocarbons, aliphatic, alka	Air	high. pop.	kg	1.38E-12	5.88E-12	6.72E-12				5.67E-12	1.97E-11
Hydrocarbons, aliphatic, alka	Air	high. pop.	kg	3.30E-10	6.47E-09	1.05E-07				6.24E-09	1.18E-07
Hydrocarbons, aliphatic, unsa	Air	high. pop.	kg	1.65E-11	5.44E-09	3.67E-09				5.25E-09	1.44E-08
Hydrocarbons, aromatic	Air	high. pop.	kg	1.27E-10	2.20E-10	1.23E-07				2.13E-10	1.24E-07
Hydrocarbons, chlorinated	Air	high. pop.	kg	2.95E-13	7.21E-11	5.18E-10				6.96E-11	6.60E-10
Hydrogen	Air	high. pop.	kg	5.19E-10	4.52E-08	4.67E-07				4.36E-08	5.56E-07
Hydrogen chloride	Air	high. pop.	kg	4.17E-10	8.70E-09	1.76E-07				8.39E-09	1.94E-07
Hydrogen fluoride	Air	high. pop.	kg	2.82E-11	4.41E-10	6.29E-09				4.25E-10	7.19E-09
Hydrogen sulfide	Air	high. pop.	kg	4.07E-12	1.84E-11	1.96E-08				1.78E-11	1.96E-08
Iodine	Air	high. pop.	kg	4.99E-14	1.92E-12	4.58E-11				1.85E-12	4.96E-11
Iron	Air	high. pop.	kg	4.32E-11	1.12E-09	1.92E-08				1.08E-09	2.15E-08
Isocyanic acid	Air	high. pop.	kg	5.73E-12	4.60E-09	4.59E-10				4.44E-09	9.51E-09
Lead	Air	high. pop.	kg	1.10E-11	2.51E-10	8.56E-10				2.42E-10	1.36E-09
Lead-210	Air	high. pop.	Bq	2.02E-07	7.83E-06	1.87E-04				7.56E-06	2.03E-04
m-Xylene	Air	high. pop.	kg	4.28E-13	1.99E-10	4.88E-11				1.92E-10	4.39E-10
Magnesium	Air	high. pop.	kg	1.80E-11	1.24E-09	1.57E-08				1.20E-09	1.81E-08
Manganese	Air	high. pop.	kg	1.11E-12	3.39E-10	2.13E-10				3.27E-10	8.80E-10
Mercury	Air	high. pop.	kg	8.41E-13	8.39E-12	1.00E-09				8.09E-12	1.02E-09
Methane, biogenic	Air	high. pop.	kg	8.20E-11	2.44E-09	2.86E-06				2.36E-09	2.87E-06
Methane, chlorodifluoro-, HCl	Air	high. pop.	kg	1.67E-16	1.43E-15	4.64E-14				1.38E-15	4.94E-14
Methane, dichloro-, HCC-30	Air	high. pop.	kg	5.91E-16	1.59E-13	3.94E-14				1.54E-13	3.53E-13
Methane, dichlorodifluoro-, C	Air	high. pop.	kg	1.35E-16	3.65E-15	1.86E-11				3.53E-15	1.86E-11
Methane, dichlorofluoro-, HCl	Air	high. pop.	kg	2.36E-20	2.01E-19	6.52E-18				1.94E-19	6.94E-18
Methane, fossil	Air	high. pop.	kg	1.30E-08	1.10E-07	2.58E-06				1.06E-07	2.81E-06
Methane, monochloro-, R-40	Air	high. pop.	kg	1.60E-18	5.27E-17	2.12E-16				5.08E-17	3.17E-16
Methane, tetrachloro-, CFC-1	Air	high. pop.	kg	1.89E-13	2.16E-12	2.40E-11				2.08E-12	2.84E-11
Methane, trichlorofluoro-, CFC	Air	high. pop.	kg	4.45E-20	3.80E-19	1.23E-17				3.66E-19	1.31E-17
Methane, trifluoro-, HFC-23	Air	high. pop.	kg	7.48E-18	6.40E-17	2.07E-15				6.18E-17	2.21E-15
Methanol	Air	high. pop.	kg	3.09E-11	2.49E-09	5.29E-09				2.40E-09	1.02E-08
Molybdenum	Air	high. pop.	kg	2.22E-12	4.64E-11	1.60E-10				4.47E-11	2.53E-10
Monoethanolamine	Air	high. pop.	kg	7.94E-13	7.90E-11	5.17E-11				7.62E-11	2.08E-10
Nickel	Air	high. pop.	kg	5.76E-11	1.65E-09	5.38E-09				1.59E-09	8.67E-09
Nitrate	Air	high. pop.	kg	3.25E-13	1.95E-11	1.12E-11				1.88E-11	4.99E-11
Nitrogen oxides	Air	high. pop.	kg	5.78E-08	2.44E-06	7.39E-06				2.36E-06	1.23E-05
NMVOC, non-methane volatil	Air	high. pop.	kg	1.82E-08	3.37E-08	2.27E-06				3.25E-08	2.35E-06
Ozone	Air	high. pop.	kg	1.90E-13	1.81E-12	1.41E-10				1.75E-12	1.44E-10
PAH, polycyclic aromatic hyd	Air	high. pop.	kg	1.94E-12	9.55E-11	5.06E-10				9.21E-11	6.95E-10
Paraffins	Air	high. pop.	kg	9.65E-17	5.02E-16	9.30E-15				4.84E-16	1.04E-14
Particulates, < 2.5 um	Air	high. pop.	kg	6.79E-09	2.53E-07	7.12E-07				2.44E-07	1.22E-06
Particulates, > 10 um	Air	high. pop.	kg	3.87E-09	5.32E-08	1.90E-06				5.14E-08	2.01E-06
Particulates, > 2.5 um, and <	Air	high. pop.	kg	2.38E-09	5.50E-08	1.71E-06				5.30E-08	1.82E-06
Pentane	Air	high. pop.	kg	1.06E-08	2.30E-08	1.34E-07				2.22E-08	1.90E-07
Phenol	Air	high. pop.	kg	4.19E-12	1.96E-11	4.67E-10				1.89E-11	5.10E-10
Phenol, pentachloro-	Air	high. pop.	kg	1.71E-16	1.87E-14	3.08E-14				1.80E-14	6.76E-14
Phosphorus	Air	high. pop.	kg	1.55E-12	5.12E-10	4.58E-10				4.94E-10	1.46E-09
Platinum	Air	high. pop.	kg	4.15E-18	4.07E-17	6.16E-17				3.93E-17	1.46E-16
Polonium-210	Air	high. pop.	Bq	3.68E-07	1.43E-05	3.42E-04				1.38E-05	3.70E-04
Potassium	Air	high. pop.	kg	8.92E-11	3.90E-08	1.51E-08				3.76E-08	9.17E-08
Potassium-40	Air	high. pop.	Bq	5.84E-08	2.27E-06	5.43E-05				2.19E-06	5.88E-05
Propanal	Air	high. pop.	kg	2.50E-14	5.43E-14	2.06E-13				5.24E-14	3.38E-13
Propane	Air	high. pop.	kg	7.91E-09	1.58E-08	6.38E-08				1.53E-08	1.03E-07
Propene	Air	high. pop.	kg	4.19E-10	6.51E-10	5.11E-09				6.28E-10	6.81E-09
Propionic acid	Air	high. pop.	kg	2.34E-12	1.40E-10	9.69E-10				1.35E-10	1.25E-09
Propylene oxide	Air	high. pop.	kg	3.66E-11	1.93E-12	4.72E-11				1.86E-12	8.76E-11
Radioactive species, other be	Air	high. pop.	Bq	4.21E-04	1.82E-03	1.59E-03				1.76E-03	5.59E-03
Radium-226	Air	high. pop.	Bq	5.20E-08	2.02E-06	4.82E-05				1.95E-06	5.22E-05
Radium-228	Air	high. pop.	Bq	2.80E-07	1.09E-05	2.61E-04				1.05E-05	2.83E-04
Radon-220	Air	high. pop.	Bq	4.38E-09	1.69E-07	4.02E-06				1.63E-07	4.35E-06
Radon-222	Air	high. pop.	Bq	4.38E-09	1.69E-07	4.02E-06				1.63E-07	4.35E-06
Scandium	Air	high. pop.	kg	5.44E-15	2.12E-13	5.06E-12				2.04E-13	5.48E-12
Selenium	Air	high. pop.	kg	1.88E-12	3.25E-11	1.41E-10				3.14E-11	2.07E-10
Silicon	Air	high. pop.	kg	8.88E-11	2.75E-09	6.67E-08				2.65E-09	7.22E-08
Silver	Air	high. pop.	kg	6.86E-18	2.18E-15	1.25E-15				2.10E-15	5.54E-15
Sodium	Air	high. pop.	kg	1.18E-10	4.02E-09	9.95E-09				3.87E-09	1.80E-08
Sodium chlorate	Air	high. pop.	kg	1.41E-13	1.60E-11	2.27E-11				1.55E-11	5.43E-11
Sodium dichromate	Air	high. pop.	kg	1.57E-13	2.96E-10	2.12E-09				2.85E-10	2.70E-09
Sodium formate	Air	high. pop.	kg	9.79E-15	1.25E-13	2.12E-12				1.21E-13	2.38E-12
Strontium	Air	high. pop.	kg	8.25E-13	3.21E-11	7.64E-10				3.09E-11	8.28E-10
Sulfate	Air	high. pop.	kg	7.64E-10	9.45E-08	1.92E-07				9.11E-08	3.78E-07
Sulfur dioxide	Air	high. pop.	kg	1.26E-07	2.83E-06	1.13E-05				2.73E-06	1.70E-05
t-Butyl methyl ether	Air	high. pop.	kg	3.80E-13	1.81E-12	2.65E-12				1.75E-12	6.59E-12
Thallium	Air	high. pop.	kg	7.05E-15	2.71E-13	6.36E-12				2.61E-13	6.90E-12
Thorium	Air	high. pop.	kg	8.23E-15	3.20E-13	7.64E-12				3.08E-13	8.28E-12
Thorium-228	Air	high. pop.	Bq	2.38E-08	9.26E-07	2.21E-05				8.93E-07	2.40E-05
Thorium-232	Air	high. pop.	Bq	1.51E-08	5.89E-07	1.41E-05				5.68E-07	1.52E-05
Tin	Air	high. pop.	kg	1.75E-14	3.13E-12	9.27E-12				3.02E-12	1.54E-11
Titanium	Air	high. pop.	kg	7.54E-12	7.14E-11	1.54E-09				6.88E-11	1.69E-09
Toluene	Air	high. pop.	kg	1.17E-09	2.14E-09	1.59E-08				2.06E-09	2.12E-08
Uranium	Air	high. pop.	kg	1.10E-14	4.27E-13	1.02E-11				4.11E-13	1.10E-11
Uranium-238	Air	high. pop.	Bq	4.34E-08	1.68E-06	4.02E-05				1.62E-06	4.35E-05
Vanadium	Air	high. pop.	kg	1.53E-10	5.97E-09	2.03E-08				5.76E-09	3.22E-08
Xylene	Air	high. pop.	kg	7.46E-10	9.47E-10	4.65E-09				9.13E-10	7.26E-09
Zinc	Air	high. pop.	kg	3.73E-11	6.88E-10	5.81E-09				6.64E-10	7.20E-09
Acetone	Air	low. pop.	kg	3.74E-12	3.64E-10	4.35E-10				3.51E-10	1.15E-09
Acrolein	Air	low. pop.	kg	4.62E-15	4.50E-13	5.36E-13				4.34E-13	1.42E-12
Actinides, radioactive, unspe	Air	low. pop.	Bq	1.37E-11	1.29E-08	1.23E-09				1.24E-08	2.65E-08
Aerosols, radioactive, unspec	Air	low. pop.	Bq	2.53E-07	3.63E-04	2.37E-05				3.50E-04	7.38E-04
Aldehydes, unspecified	Air	low. pop.	kg	5.93E-13	5.02E-10	4.47E-11				4.84E-10	1.03E-09
Aluminum	Air	low. pop.	kg	1.24E-11	5.94E-11	1.28E-10				5.72E-11	2.57E-10
Ammonia	Air	low. pop.	kg	2.47E-09	1.22E-08	3.01E-08				1.18E-08	5.66E-08
Antimony	Air	low. pop.	kg	3.87E-12	4.69E-10	9.98E-11				4.52E-10	1.03E-09

			Utilisation							Utilisation	Utilisation
				Lave-linge	Lave-linge	Lave-linge	Lave-linge	Pressing			
			Transport	Elec lave-linge	Lessive pour lave-linge	Eau pour lave-linge	Sèche-linge	Pressing	Repassage	TOTAL
Antimony-124	Air	low. pop.	Bq	1.08E-11	1.06E-10	1.61E-10				1.02E-10	3.80E-10
Antimony-125	Air	low. pop.	Bq	1.13E-10	1.11E-09	1.68E-09				1.07E-09	3.98E-09
Argon-41	Air	low. pop.	Bq	1.37E-04	6.82E-04	1.48E-02				6.58E-04	1.63E-02
Arsenic	Air	low. pop.	kg	1.95E-11	3.52E-09	7.99E-10				3.40E-09	7.74E-09
Barium	Air	low. pop.	kg	2.86E-12	7.36E-10	3.34E-10				7.10E-10	1.78E-09
Barium-140	Air	low. pop.	Bq	7.34E-09	7.21E-08	1.09E-07				6.96E-08	2.58E-07
Benzene	Air	low. pop.	kg	3.97E-10	1.45E-08	1.70E-08				1.40E-08	4.59E-08
Benzo(a)pyrene	Air	low. pop.	kg	7.35E-13	6.75E-11	8.05E-11				6.51E-11	2.14E-10
Beryllium	Air	low. pop.	kg	9.11E-15	1.36E-12	5.07E-13				1.32E-12	3.20E-12
Boron	Air	low. pop.	kg	2.67E-10	8.30E-09	3.38E-08				8.01E-09	5.04E-08
Bromine	Air	low. pop.	kg	1.71E-11	3.77E-09	2.07E-09				3.64E-09	9.50E-09
Butadiene	Air	low. pop.	kg	9.54E-19	2.13E-18	7.79E-18				2.05E-18	1.29E-17
Butane	Air	low. pop.	kg	1.64E-10	2.57E-09	1.40E-08				2.48E-09	1.92E-08
Cadmium	Air	low. pop.	kg	1.31E-11	1.17E-09	2.26E-10				1.13E-09	2.53E-09
Calcium	Air	low. pop.	kg	1.49E-12	1.35E-11	1.95E-11				1.30E-11	4.76E-11
Carbon-14	Air	low. pop.	Bq	1.37E-03	1.34E+00	1.00E-01				1.29E+00	2.74E+00
Carbon dioxide, biogenic	Air	low. pop.	kg	1.59E-08	1.52E-07	1.16E-06				1.46E-07	1.47E-06
Carbon dioxide, fossil	Air	low. pop.	kg	5.87E-05	1.85E-03	2.27E-03				1.79E-03	5.97E-03
Carbon disulfide	Air	low. pop.	kg	2.01E-09	8.38E-08	2.74E-08				8.08E-08	1.94E-07
Carbon monoxide, biogenic	Air	low. pop.	kg	1.12E-10	9.76E-10	1.89E-08				9.42E-10	2.09E-08
Carbon monoxide, fossil	Air	low. pop.	kg	9.07E-08	8.32E-07	1.58E-06				8.03E-07	3.30E-06
Cerium-141	Air	low. pop.	Bq	1.78E-09	1.75E-08	2.64E-08				1.68E-08	6.25E-08
Cesium-134	Air	low. pop.	Bq	8.52E-11	8.37E-10	1.27E-09				8.07E-10	3.00E-09
Cesium-137	Air	low. pop.	Bq	1.51E-09	1.48E-08	2.25E-08				1.43E-08	5.31E-08
Chlorine	Air	low. pop.	kg	2.15E-16	1.81E-15	4.99E-15				1.75E-15	8.76E-15
Chromium	Air	low. pop.	kg	4.44E-11	4.11E-09	1.54E-08				3.97E-09	2.35E-08
Chromium-51	Air	low. pop.	Bq	1.14E-10	1.12E-09	1.69E-09				1.08E-09	4.02E-09
Chromium VI	Air	low. pop.	kg	1.10E-12	1.08E-10	3.87E-10				1.04E-10	6.00E-10
Cobalt	Air	low. pop.	kg	2.31E-12	1.02E-10	2.32E-10				9.82E-11	4.34E-10
Cobalt-58	Air	low. pop.	Bq	1.59E-10	1.56E-09	2.36E-09				1.50E-09	5.58E-09
Cobalt-60	Air	low. pop.	Bq	1.40E-09	1.37E-08	2.08E-08				1.33E-08	4.93E-08
Copper	Air	low. pop.	kg	4.88E-11	1.10E-08	2.65E-09				1.06E-08	2.43E-08
Cyanide	Air	low. pop.	kg	7.84E-13	7.27E-11	2.03E-10				7.01E-11	3.46E-10
Dinitrogen monoxide	Air	low. pop.	kg	1.23E-09	1.82E-08	4.74E-08				1.76E-08	8.45E-08
Dioxins, measured as 2,3,7,8	Air	low. pop.	kg	1.87E-15	3.41E-13	1.67E-13				3.29E-13	8.40E-13
Ethane	Air	low. pop.	kg	1.17E-09	4.33E-08	2.67E-07				4.18E-08	3.54E-07
Ethane, 1,1,1,2-tetrafluoro-, H	Air	low. pop.	kg	3.29E-14	2.56E-13	2.37E-12				2.47E-13	2.91E-12
Ethane, 1,2-dichloro-1,1,2,2-t	Air	low. pop.	kg	3.42E-13	2.66E-12	2.34E-11				2.57E-12	2.90E-11
Ethanol	Air	low. pop.	kg	1.68E-13	1.65E-12	1.23E-11				1.59E-12	1.57E-11
Ethene	Air	low. pop.	kg	3.53E-11	1.45E-10	5.20E-10				1.40E-10	8.40E-10
Ethylene oxide	Air	low. pop.	kg	9.24E-18	2.06E-17	7.56E-17				1.99E-17	1.25E-16
Ethyne	Air	low. pop.	kg	1.10E-12	4.33E-12	9.36E-12				4.18E-12	1.90E-11
Fluorine	Air	low. pop.	kg	2.58E-12	3.67E-10	1.68E-10				3.54E-10	8.90E-10
Formaldehyde	Air	low. pop.	kg	1.71E-11	1.10E-09	1.92E-09				1.06E-09	4.10E-09
Heat, waste	Air	low. pop.	MJ	7.87E-04	2.15E-01	3.48E-02				2.07E-01	4.58E-01
Helium	Air	low. pop.	kg	7.66E-10	4.48E-10	2.47E-09				4.32E-10	4.12E-09
Hexane	Air	low. pop.	kg	1.28E-11	1.08E-08	9.67E-10				1.04E-08	2.23E-08
Hydrocarbons, aliphatic, alka	Air	low. pop.	kg	9.21E-11	5.23E-09	1.98E-08				5.04E-09	3.01E-08
Hydrocarbons, aliphatic, unsa	Air	low. pop.	kg	3.55E-11	3.96E-09	3.99E-09				3.82E-09	1.18E-08
Hydrocarbons, aromatic	Air	low. pop.	kg	2.99E-11	6.37E-10	8.21E-09				6.15E-10	9.49E-09
Hydrogen-3, Tritium	Air	low. pop.	Bq	6.56E-03	7.78E+00	5.72E-01				7.50E+00	1.59E+01
Hydrogen chloride	Air	low. pop.	kg	1.56E-09	2.23E-07	1.57E-07				2.15E-07	5.96E-07
Hydrogen fluoride	Air	low. pop.	kg	3.44E-10	5.43E-08	3.79E-08				5.24E-08	1.45E-07
Hydrogen sulfide	Air	low. pop.	kg	1.18E-10	4.17E-09	3.60E-08				4.02E-09	4.43E-08
Iodine	Air	low. pop.	kg	9.27E-12	1.64E-09	1.14E-09				1.58E-09	4.37E-09
Iodine-129	Air	low. pop.	Bq	1.19E-06	1.40E-03	1.01E-04				1.35E-03	2.85E-03
Iodine-131	Air	low. pop.	Bq	5.31E-05	2.56E-04	5.88E-03				2.47E-04	6.43E-03
Iodine-133	Air	low. pop.	Bq	8.78E-09	8.62E-08	1.30E-07				8.31E-08	3.09E-07
Iron	Air	low. pop.	kg	5.08E-06	2.00E-05	4.31E-05				1.93E-05	8.74E-05
Krypton-85	Air	low. pop.	Bq	4.35E-04	2.18E-03	4.65E-02				2.10E-03	5.12E-02
Krypton-85m	Air	low. pop.	Bq	1.12E-04	1.07E-03	2.31E-03				1.03E-03	4.53E-03
Krypton-87	Air	low. pop.	Bq	2.87E-05	2.54E-04	9.14E-04				2.45E-04	1.44E-03
Krypton-88	Air	low. pop.	Bq	3.50E-05	3.24E-04	9.04E-04				3.13E-04	1.58E-03
Krypton-89	Air	low. pop.	Bq	1.36E-05	1.31E-04	2.33E-04				1.26E-04	5.04E-04
Lanthanum-140	Air	low. pop.	Bq	6.28E-10	6.16E-09	9.32E-09				5.95E-09	2.21E-08
Lead	Air	low. pop.	kg	6.13E-10	1.12E-08	3.88E-09				1.08E-08	2.66E-08
Lead-210	Air	low. pop.	Bq	3.95E-06	1.83E-03	4.31E-04				1.77E-03	4.04E-03
Magnesium	Air	low. pop.	kg	4.44E-12	2.40E-11	4.30E-11				2.32E-11	9.46E-11
Manganese	Air	low. pop.	kg	6.87E-12	1.58E-09	4.32E-10				1.53E-09	3.55E-09
Manganese-54	Air	low. pop.	Bq	5.84E-11	5.74E-10	8.68E-10				5.54E-10	2.05E-09
Mercury	Air	low. pop.	kg	2.75E-12	9.80E-11	1.21E-10				9.45E-11	3.16E-10
Methane, biogenic	Air	low. pop.	kg	2.47E-10	2.06E-08	1.91E-08				1.99E-08	5.99E-08
Methane, bromochlorodifluor	Air	low. pop.	kg	2.09E-13	1.04E-11	7.73E-11				1.00E-11	9.79E-11
Methane, bromotrifluoro-, Hal	Air	low. pop.	kg	5.96E-12	6.07E-12	2.89E-11				5.85E-12	4.67E-11
Methane, chlorodifluoro-, HCl	Air	low. pop.	kg	9.93E-13	6.23E-11	3.00E-10				6.01E-11	4.24E-10
Methane, dichlorodifluoro-, C	Air	low. pop.	kg	1.02E-15	2.18E-14	2.81E-13				2.10E-14	3.25E-13
Methane, fossil	Air	low. pop.	kg	5.29E-07	3.77E-06	1.39E-05				3.64E-06	2.19E-05
Methanol	Air	low. pop.	kg	2.93E-11	5.11E-10	6.91E-08				4.92E-10	7.01E-08
Molybdenum	Air	low. pop.	kg	1.50E-13	1.30E-11	1.95E-11				1.25E-11	4.52E-11
Nickel	Air	low. pop.	kg	1.50E-10	7.29E-09	2.38E-09				7.03E-09	1.68E-08
Niobium-95	Air	low. pop.	Bq	6.95E-12	6.81E-11	1.03E-10				6.57E-11	2.44E-10
Nitrogen oxides	Air	low. pop.	kg	4.72E-07	5.48E-06	5.92E-06				5.28E-06	1.72E-05
NMVOC, non-methane volatil	Air	low. pop.	kg	2.60E-07	5.27E-07	1.96E-06				5.08E-07	3.25E-06
Noble gases, radioactive, uns	Air	low. pop.	Bq	1.15E+01	1.34E+04	9.67E+02				1.29E+04	2.73E+04
PAH, polycyclic aromatic hyd	Air	low. pop.	kg	1.23E-11	9.07E-11	1.31E-10				8.74E-11	3.21E-10
Particulates, < 2.5 um	Air	low. pop.	kg	4.02E-08	9.14E-07	1.60E-06				8.82E-07	3.44E-06
Particulates, > 10 um	Air	low. pop.	kg	1.69E-07	3.94E-06	8.97E-06				3.80E-06	1.69E-05
Particulates, > 2.5 um, and <	Air	low. pop.	kg	1.34E-07	1.21E-06	6.28E-06				1.17E-06	8.80E-06
Pentane	Air	low. pop.	kg	2.33E-11	2.69E-09	2.71E-09				2.60E-09	8.03E-09
Phenol	Air	low. pop.	kg	4.43E-12	2.47E-11	4.78E-10				2.38E-11	5.30E-10
Phenol, pentachloro-	Air	low. pop.	kg	3.04E-13	2.97E-11	3.53E-11				2.86E-11	9.39E-11
Phosphorus	Air	low. pop.	kg	7.67E-14	6.82E-13	1.09E-12				6.58E-13	2.50E-12
Plutonium-238	Air	low. pop.	Bq	1.63E-13	1.90E-10	1.37E-11				1.83E-10	3.87E-10
Plutonium-alpha	Air	low. pop.	Bq	3.74E-13	4.35E-10	3.15E-11				4.20E-10	8.87E-10
Polonium-210	Air	low. pop.	Bq	6.76E-06	2.98E-03	7.52E-04				2.87E-03	6.61E-03

			Utilisation							Utilisation	Utilisation
				Lave-linge	Lave-linge	Lave-linge	Lave-linge	Pressing			
			Transport	Elec lave-linge	Lessive pour lave-linge	Eau pour lave-linge	Sèche-linge	Pressing	Repassage	TOTAL
Potassium	Air	low. pop.	kg	1.63E-12	7.40E-12	1.85E-11				7.13E-12	3.47E-11
Potassium-40	Air	low. pop.	Bq	7.21E-07	2.24E-04	8.69E-05				2.16E-04	5.27E-04
Propane	Air	low. pop.	kg	4.47E-10	1.16E-08	7.75E-08				1.12E-08	1.01E-07
Propene	Air	low. pop.	kg	4.75E-12	3.01E-10	3.14E-10				2.90E-10	9.10E-10
Protactinium-234	Air	low. pop.	Bq	1.82E-07	1.54E-04	1.37E-05				1.48E-04	3.16E-04
Radioactive species, other be	Air	low. pop.	Bq	6.52E-09	3.35E-08	6.84E-07				3.23E-08	7.57E-07
Radium-226	Air	low. pop.	Bq	6.89E-06	5.42E-03	5.56E-04				5.23E-03	1.12E-02
Radium-228	Air	low. pop.	Bq	2.66E-07	9.34E-05	3.24E-05				9.01E-05	2.16E-04
Radon-222	Air	low. pop.	Bq	5.67E-01	4.76E+02	4.25E+01				4.59E+02	9.78E+02
Ruthenium-103	Air	low. pop.	Bq	1.53E-12	1.49E-11	2.27E-11				1.44E-11	5.35E-11
Scandium	Air	low. pop.	kg	2.87E-15	1.12E-14	2.43E-14				1.08E-14	4.93E-14
Selenium	Air	low. pop.	kg	4.58E-12	5.49E-10	2.49E-10				5.29E-10	1.33E-09
Silicon	Air	low. pop.	kg	3.85E-11	2.44E-10	6.31E-10				2.36E-10	1.15E-09
Silicon tetrafluoride	Air	low. pop.	kg	1.07E-14	1.68E-13	1.96E-12				1.62E-13	2.31E-12
Silver	Air	low. pop.	kg	1.51E-17	2.04E-15	1.93E-15				1.97E-15	5.96E-15
Silver-110	Air	low. pop.	Bq	1.51E-11	1.48E-10	2.25E-10				1.43E-10	5.31E-10
Sodium	Air	low. pop.	kg	7.32E-13	2.96E-12	7.34E-12				2.85E-12	1.39E-11
Strontium	Air	low. pop.	kg	2.72E-12	7.58E-10	3.26E-10				7.31E-10	1.82E-09
Styrene	Air	low. pop.	kg	3.87E-15	3.77E-13	4.50E-13				3.64E-13	1.19E-12
Sulfur dioxide	Air	low. pop.	kg	5.82E-07	1.19E-05	1.34E-05				1.15E-05	3.74E-05
Sulfur hexafluoride	Air	low. pop.	kg	6.29E-16	4.86E-14	6.70E-14				4.68E-14	1.63E-13
Thallium	Air	low. pop.	kg	8.62E-16	1.59E-14	2.18E-14				1.54E-14	5.40E-14
Thorium	Air	low. pop.	kg	2.87E-15	1.12E-14	2.43E-14				1.08E-14	4.93E-14
Thorium-228	Air	low. pop.	Bq	1.43E-07	5.03E-05	1.75E-05				4.85E-05	1.16E-04
Thorium-230	Air	low. pop.	Bq	6.95E-07	5.71E-04	5.44E-05				5.50E-04	1.18E-03
Thorium-232	Air	low. pop.	Bq	2.24E-07	7.90E-05	2.76E-05				7.62E-05	1.83E-04
Thorium-234	Air	low. pop.	Bq	1.82E-07	1.54E-04	1.37E-05				1.48E-04	3.16E-04
Tin	Air	low. pop.	kg	2.59E-12	4.62E-10	1.84E-10				4.45E-10	1.09E-09
Titanium	Air	low. pop.	kg	4.42E-13	1.73E-12	3.76E-12				1.67E-12	7.61E-12
Toluene	Air	low. pop.	kg	1.28E-10	2.55E-09	2.85E-09				2.46E-09	7.99E-09
Uranium	Air	low. pop.	kg	1.46E-15	5.74E-15	1.24E-14				5.54E-15	2.51E-14
Uranium-234	Air	low. pop.	Bq	2.14E-06	1.80E-03	1.64E-04				1.74E-03	3.70E-03
Uranium-235	Air	low. pop.	Bq	1.03E-07	8.73E-05	7.79E-06				8.42E-05	1.79E-04
Uranium-238	Air	low. pop.	Bq	2.72E-06	1.95E-03	2.35E-04				1.88E-03	4.07E-03
Uranium alpha	Air	low. pop.	Bq	9.92E-06	8.44E-03	7.50E-04				8.14E-03	1.73E-02
Vanadium	Air	low. pop.	kg	9.77E-13	1.80E-10	1.17E-10				1.74E-10	4.72E-10
water	Air	low. pop.	kg	6.25E-14	1.40E-13	5.11E-13				1.35E-13	8.48E-13
Xenon-131m	Air	low. pop.	Bq	1.45E-04	1.31E-03	4.21E-03				1.26E-03	6.93E-03
Xenon-133	Air	low. pop.	Bq	5.14E-03	4.72E-02	1.34E-01				4.56E-02	2.32E-01
Xenon-133m	Air	low. pop.	Bq	8.74E-06	6.32E-05	5.65E-04				6.09E-05	6.98E-04
Xenon-135	Air	low. pop.	Bq	2.07E-03	1.90E-02	5.51E-02				1.83E-02	9.45E-02
Xenon-135m	Air	low. pop.	Bq	1.28E-03	1.19E-02	3.25E-02				1.15E-02	5.72E-02
Xenon-137	Air	low. pop.	Bq	3.71E-05	3.60E-04	6.40E-04				3.47E-04	1.38E-03
Xenon-138	Air	low. pop.	Bq	2.85E-04	2.72E-03	5.61E-03				2.62E-03	1.12E-02
Xylene	Air	low. pop.	kg	2.57E-10	1.73E-08	1.78E-08				1.67E-08	5.21E-08
Zinc	Air	low. pop.	kg	5.79E-10	8.74E-09	5.52E-09				8.43E-09	2.33E-08
Zinc-65	Air	low. pop.	Bq	2.91E-10	2.86E-09	4.33E-09				2.76E-09	1.02E-08
Zirconium	Air	low. pop.	kg	3.53E-14	1.39E-13	3.00E-13				1.34E-13	6.08E-13
Zirconium-95	Air	low. pop.	Bq	2.85E-10	2.80E-09	4.23E-09				2.70E-09	1.00E-08
Radon-222	Air	low. pop.	Bq	2.35E+01	2.00E+04	1.78E+03				1.93E+04	4.10E+04
Benzene	Air	stratosph	kg	6.13E-18	1.36E-17	5.01E-17				1.32E-17	8.30E-17
Butadiene	Air	stratosph	kg	5.80E-18	1.30E-17	4.75E-17				1.25E-17	7.88E-17
Cadmium	Air	stratosph	kg	3.06E-21	6.84E-21	2.51E-20				6.60E-21	4.16E-20
Carbon dioxide, fossil	Air	stratosph	kg	9.69E-13	2.16E-12	7.91E-12				2.08E-12	1.31E-11
Carbon monoxide, fossil	Air	stratosph	kg	1.14E-15	2.53E-15	9.29E-15				2.44E-15	1.54E-14
Chromium	Air	stratosph	kg	1.53E-20	3.41E-20	1.25E-19				3.29E-20	2.08E-19
Copper	Air	stratosph	kg	5.22E-19	1.17E-18	4.27E-18				1.13E-18	7.09E-18
Dinitrogen monoxide	Air	stratosph	kg	9.21E-18	2.05E-17	7.53E-17				1.98E-17	1.25E-16
Ethylene oxide	Air	stratosph	kg	5.63E-17	1.25E-16	4.60E-16				1.21E-16	7.63E-16
Formaldehyde	Air	stratosph	kg	4.81E-17	1.07E-16	3.94E-16				1.04E-16	6.53E-16
Heat, waste	Air	stratosph	MJ	1.40E-11	3.12E-11	1.14E-10				3.01E-11	1.90E-10
Hydrogen chloride	Air	stratosph	kg	2.63E-19	5.88E-19	2.16E-18				5.67E-19	3.58E-18
Lead	Air	stratosph	kg	6.13E-21	1.36E-20	5.01E-20				1.32E-20	8.30E-20
Mercury	Air	stratosph	kg	2.14E-23	4.78E-23	1.76E-22				4.61E-23	2.91E-22
Methane, fossil	Air	stratosph	kg	1.53E-17	3.41E-17	1.25E-16				3.29E-17	2.08E-16
Nickel	Air	stratosph	kg	2.14E-20	4.78E-20	1.76E-19				4.61E-20	2.91E-19
Nitrogen oxides	Air	stratosph	kg	4.32E-15	9.60E-15	3.53E-14				9.26E-15	5.84E-14
NMVOC, non-methane volatil	Air	stratosph	kg	2.06E-16	4.59E-16	1.68E-15				4.43E-16	2.79E-15
Particulates, < 2.5 um	Air	stratosph	kg	1.17E-17	2.60E-17	9.53E-17				2.50E-17	1.58E-16
Selenium	Air	stratosph	kg	3.06E-21	6.84E-21	2.51E-20				6.60E-21	4.16E-20
Sulfur dioxide	Air	stratosph	kg	3.06E-16	6.84E-16	2.51E-15				6.60E-16	4.16E-15
water	Air	stratosph	kg	3.80E-13	8.46E-13	3.11E-12				8.16E-13	5.15E-12
Zinc	Air	stratosph	kg	3.06E-19	6.84E-19	2.51E-18				6.60E-19	4.16E-18
Aluminum	Water		kg	4.50E-12	5.88E-12	3.02E-11				5.67E-12	4.62E-11
AOX, Adsorbable Organic Ha	Water		kg	5.06E-14	8.75E-13	1.30E-10				8.44E-13	1.32E-10
Arsenic, ion	Water		kg	8.41E-11	3.27E-10	5.93E-10				3.16E-10	1.32E-09
BOD5, Biological Oxygen De	Water		kg	1.27E-07	4.93E-07	1.53E-04				4.76E-07	1.54E-04
Cadmium, ion	Water		kg	8.96E-11	3.32E-10	6.14E-10				3.20E-10	1.36E-09
Chloride	Water		kg	1.71E-06	1.96E-06	1.06E-05				1.89E-06	1.62E-05
Chromium VI	Water		kg	8.45E-11	3.28E-10	5.96E-10				3.17E-10	1.33E-09
Chromium, ion	Water		kg	3.85E-11	1.36E-11	1.01E-10				1.32E-11	1.67E-10
COD, Chemical Oxygen Dem	Water		kg	1.27E-07	4.94E-07	3.68E-04				4.77E-07	3.69E-04
Copper, ion	Water		kg	4.77E-10	1.65E-09	3.06E-09				1.59E-09	6.78E-09
Cyanide	Water		kg	8.41E-10	3.27E-09	5.93E-09				3.16E-09	1.32E-08
DOC, Dissolved Organic Carl	Water		kg	4.98E-08	1.93E-07	4.03E-07				1.86E-07	8.32E-07
Fluoride	Water		kg	6.46E-12	1.02E-10	1.21E-09				9.80E-11	1.41E-09
Formaldehyde	Water		kg	5.06E-12	8.75E-11	1.30E-08				8.44E-11	1.32E-08
Heat, waste	Water		MJ	3.16E-06	5.96E-07	5.68E-05				5.75E-07	6.11E-05
Hydrocarbons, unspecified	Water		kg	2.25E-11	4.27E-11	2.01E-10				4.11E-11	3.07E-10
Iron, ion	Water		kg	3.77E-09	1.25E-08	2.68E-08				1.21E-08	5.52E-08
Lead	Water		kg	1.90E-10	6.64E-10	1.24E-09				6.41E-10	2.74E-09
Manganese	Water		kg	7.28E-12	1.39E-11	6.49E-11				1.34E-11	9.94E-11
Mercury	Water		kg	8.77E-12	3.35E-11	6.24E-11				3.23E-11	1.37E-10
Methanol	Water		kg	1.51E-12	2.63E-11	3.91E-09				2.54E-11	3.97E-09
Nickel, ion	Water		kg	4.60E-10	1.66E-09	3.09E-09				1.60E-09	6.81E-09

				Utilisation							Utilisation	Utilisation
					Lave-linge	Lave-linge	Lave-linge	Lave-linge	Pressing			
				Transport	Elec lave-linge	Lessive pour lave-linge	Eau pour lave-linge	Sèche-linge	Pressing	Repassage	TOTAL
Oils, unspecified	Water		kg	8.72E-09	3.41E-08	6.17E-08				3.29E-08	1.37E-07
Phenol	Water		kg	5.06E-13	8.75E-12	1.30E-09				8.44E-12	1.32E-09
Phosphorus	Water		kg	5.06E-13	8.76E-12	2.36E-09				8.45E-12	2.38E-09
Sodium, ion	Water		kg	4.46E-07	2.33E-08	1.97E-06				2.25E-08	2.46E-06
Sulfate	Water		kg	1.10E-11	1.27E-11	6.86E-11				1.22E-11	1.04E-10
Suspended solids, unspecifie	Water		kg	1.98E-09	4.32E-09	2.22E-07				4.17E-09	2.33E-07
TOC, Total Organic Carbon	Water		kg	4.98E-08	1.93E-07	4.03E-07				1.86E-07	8.32E-07
Zinc, ion	Water		kg	4.57E-09	6.70E-09	1.58E-08				6.46E-09	3.35E-08
Aluminum	Water	groundw	kg	3.10E-11	1.04E-09	3.54E-09				1.00E-09	5.62E-09
Ammonium, ion	Water	groundw	kg	6.57E-12	7.74E-10	5.90E-10				7.46E-10	2.12E-09
Antimony	Water	groundw	kg	2.64E-12	5.27E-11	3.62E-10				5.08E-11	4.68E-10
Arsenic, ion	Water	groundw	kg	1.35E-11	3.99E-10	1.69E-09				3.85E-10	2.49E-09
Barium	Water	groundw	kg	9.44E-12	7.99E-09	7.13E-10				7.70E-09	1.64E-08
Beryllium	Water	groundw	kg	4.01E-15	3.65E-14	5.11E-13				3.53E-14	5.87E-13
BOD5, Biological Oxygen De	Water	groundw	kg	1.29E-12	1.55E-10	1.18E-10				1.49E-10	4.23E-10
Boron	Water	groundw	kg	6.88E-12	5.20E-11	8.32E-10				5.02E-11	9.41E-10
Bromine	Water	groundw	kg	6.55E-12	4.95E-11	7.91E-10				4.78E-11	8.95E-10
Cadmium, ion	Water	groundw	kg	5.04E-15	4.15E-12	3.86E-13				4.00E-12	8.54E-12
Calcium, ion	Water	groundw	kg	3.23E-11	6.92E-10	3.88E-09				6.67E-10	5.27E-09
Chloride	Water	groundw	kg	8.19E-08	5.51E-06	7.10E-06				5.31E-06	1.80E-05
Chlorine	Water	groundw	kg	5.36E-12	4.54E-09	4.04E-10				4.38E-09	9.33E-09
Chromium VI	Water	groundw	kg	5.38E-12	4.99E-11	6.89E-10				4.81E-11	7.92E-10
Chromium, ion	Water	groundw	kg	1.34E-12	1.13E-09	1.01E-10				1.09E-09	2.33E-09
Cobalt	Water	groundw	kg	5.98E-14	3.31E-11	5.75E-12				3.19E-11	7.08E-11
COD, Chemical Oxygen Dem	Water	groundw	kg	1.29E-12	1.55E-10	1.18E-10				1.49E-10	4.23E-10
Copper, ion	Water	groundw	kg	4.54E-13	3.74E-10	3.46E-11				3.61E-10	7.70E-10
Fluoride	Water	groundw	kg	2.24E-11	2.35E-09	2.10E-09				2.26E-09	6.73E-09
Iodide	Water	groundw	kg	8.34E-13	6.31E-12	1.01E-10				6.08E-12	1.14E-10
Iron, ion	Water	groundw	kg	1.41E-08	1.08E-07	1.70E-06				1.04E-07	1.93E-06
Lead	Water	groundw	kg	2.85E-15	3.12E-13	2.71E-13				3.01E-13	8.87E-13
Lead-210	Water	groundw	Bq	3.43E-09	5.38E-08	6.27E-07				5.19E-08	7.36E-07
Magnesium	Water	groundw	kg	5.99E-12	7.84E-11	7.22E-10				7.57E-11	8.82E-10
Manganese	Water	groundw	kg	1.00E-11	1.80E-09	8.91E-10				1.74E-09	4.44E-09
Mercury	Water	groundw	kg	8.34E-18	8.12E-17	1.01E-15				7.83E-17	1.17E-15
Molybdenum	Water	groundw	kg	1.41E-11	3.13E-10	1.87E-09				3.02E-10	2.50E-09
Nickel, ion	Water	groundw	kg	7.10E-13	7.84E-11	6.58E-11				7.57E-11	2.21E-10
Nitrate	Water	groundw	kg	2.13E-09	4.75E-09	8.93E-09				4.58E-09	2.04E-08
Phosphate	Water	groundw	kg	1.97E-12	2.78E-11	2.32E-10				2.68E-11	2.89E-10
Polonium-210	Water	groundw	Bq	5.22E-09	8.18E-08	9.55E-07				7.89E-08	1.12E-06
Potassium-40	Water	groundw	Bq	4.14E-10	6.50E-09	7.58E-08				6.27E-09	8.90E-08
Potassium, ion	Water	groundw	kg	1.41E-09	1.08E-08	1.71E-07				1.04E-08	1.93E-07
Radium-226	Water	groundw	Bq	3.84E-09	6.03E-08	7.04E-07				5.82E-08	8.27E-07
Rubidium	Water	groundw	kg	1.30E-13	1.10E-10	9.83E-12				1.06E-10	2.26E-10
Scandium	Water	groundw	kg	5.88E-13	4.45E-12	7.11E-11				4.29E-12	8.04E-11
Selenium	Water	groundw	kg	1.53E-12	9.54E-11	1.95E-10				9.20E-11	3.84E-10
Silicon	Water	groundw	kg	1.13E-09	8.54E-09	1.36E-07				8.24E-09	1.54E-07
Silver, ion	Water	groundw	kg	5.82E-15	4.93E-12	4.40E-13				4.76E-12	1.01E-11
Sodium, ion	Water	groundw	kg	2.61E-09	1.97E-08	3.14E-07				1.90E-08	3.55E-07
Solids, inorganic	Water	groundw	kg	3.12E-08	2.92E-07	3.75E-06				2.82E-07	4.36E-06
Solved solids	Water	groundw	kg	1.39E-09	1.66E-07	1.27E-07				1.60E-07	4.54E-07
Strontium	Water	groundw	kg	3.34E-11	3.87E-09	3.01E-09				3.74E-09	1.06E-08
Sulfate	Water	groundw	kg	5.92E-08	9.16E-07	7.15E-06				8.84E-07	9.01E-06
Thallium	Water	groundw	kg	1.26E-16	9.55E-16	1.52E-14				9.21E-16	1.72E-14
Thorium-228	Water	groundw	Bq	4.20E-11	6.59E-10	7.70E-09				6.36E-10	9.04E-09
Tin, ion	Water	groundw	kg	3.11E-15	3.13E-13	2.99E-13				3.02E-13	9.18E-13
Titanium, ion	Water	groundw	kg	6.12E-12	4.74E-09	4.86E-10				4.57E-09	9.79E-09
Tungsten	Water	groundw	kg	1.66E-12	5.65E-11	1.98E-10				5.45E-11	3.11E-10
Uranium-238	Water	groundw	Bq	1.76E-09	2.76E-08	3.22E-07				2.66E-08	3.78E-07
Vanadium, ion	Water	groundw	kg	3.07E-12	2.25E-09	2.57E-10				2.17E-09	4.68E-09
Zinc, ion	Water	groundw	kg	1.62E-12	8.92E-10	1.32E-10				8.61E-10	1.89E-09
Aluminum	Water	groundw	kg	3.99E-08	5.19E-07	2.11E-05				5.01E-07	2.21E-05
Ammonium, ion	Water	groundw	kg	1.93E-11	2.35E-10	6.44E-10				2.26E-10	1.12E-09
Antimony	Water	groundw	kg	1.93E-11	4.45E-10	4.77E-09				4.29E-10	5.66E-09
Arsenic, ion	Water	groundw	kg	6.10E-13	2.48E-11	2.90E-10				2.39E-11	3.39E-10
Barium	Water	groundw	kg	4.75E-10	4.60E-09	6.61E-08				4.44E-09	7.56E-08
Beryllium	Water	groundw	kg	3.18E-12	5.53E-11	5.52E-10				5.34E-11	6.64E-10
BOD5, Biological Oxygen De	Water	groundw	kg	2.17E-08	2.36E-07	3.25E-06				2.27E-07	3.73E-06
Boron	Water	groundw	kg	5.93E-10	5.94E-09	7.57E-08				5.72E-09	8.79E-08
Bromine	Water	groundw	kg	1.90E-11	1.93E-10	1.63E-09				1.86E-10	2.03E-09
Cadmium, ion	Water	groundw	kg	3.36E-12	3.25E-11	3.07E-10				3.14E-11	3.74E-10
Calcium, ion	Water	groundw	kg	1.42E-07	1.36E-06	1.83E-05				1.32E-06	2.11E-05
Chloride	Water	groundw	kg	8.28E-09	8.48E-08	1.30E-07				8.18E-08	3.05E-07
Chromium VI	Water	groundw	kg	1.50E-09	9.54E-09	1.27E-07				9.20E-09	1.47E-07
Cobalt	Water	groundw	kg	2.08E-10	6.76E-09	2.28E-08				6.52E-09	3.62E-08
COD, Chemical Oxygen Dem	Water	groundw	kg	6.11E-08	6.47E-07	9.90E-06				6.24E-07	1.12E-05
Copper, ion	Water	groundw	kg	3.17E-10	1.05E-08	1.64E-07				1.01E-08	1.85E-07
DOC, Dissolved Organic Carl	Water	groundw	kg	2.56E-08	2.73E-07	4.02E-06				2.63E-07	4.58E-06
Fluoride	Water	groundw	kg	1.96E-09	9.11E-09	7.01E-07				8.79E-09	7.21E-07
Heat, waste	Water	groundw	MJ	4.09E-07	4.15E-06	1.24E-05				4.00E-06	2.09E-05
Hydrogen sulfide	Water	groundw	kg	3.95E-11	1.52E-09	3.23E-08				1.46E-09	3.53E-08
Iodide	Water	groundw	kg	1.81E-17	7.81E-16	1.65E-15				7.53E-16	3.20E-15
Iron, ion	Water	groundw	kg	2.05E-08	2.17E-07	3.81E-06				2.09E-07	4.26E-06
Lead	Water	groundw	kg	6.23E-11	6.51E-10	2.21E-08				6.28E-10	2.34E-08
Magnesium	Water	groundw	kg	1.73E-08	1.63E-07	2.36E-06				1.57E-07	2.69E-06
Manganese	Water	groundw	kg	5.48E-10	1.55E-08	1.21E-07				1.49E-08	1.52E-07
Mercury	Water	groundw	kg	2.12E-12	6.51E-12	8.37E-11				6.28E-12	9.87E-11
Molybdenum	Water	groundw	kg	1.56E-13	1.20E-11	1.62E-10				1.16E-11	1.86E-10
Nickel, ion	Water	groundw	kg	1.45E-09	2.62E-08	1.22E-07				2.53E-08	1.75E-07
Nitrate	Water	groundw	kg	1.93E-10	1.60E-09	1.42E-07				1.55E-09	1.45E-07
Nitrite	Water	groundw	kg	1.05E-12	1.28E-11	3.50E-11				1.23E-11	6.11E-11
Nitrogen, organic bound	Water	groundw	kg	3.15E-11	3.84E-10	1.05E-09				3.70E-10	1.84E-09
Phosphate	Water	groundw	kg	7.15E-09	4.45E-08	7.23E-07				4.29E-08	8.18E-07
Potassium, ion	Water	groundw	kg	3.80E-09	1.16E-07	7.16E-07				1.12E-07	9.47E-07
Scandium	Water	groundw	kg	3.86E-12	2.15E-10	6.56E-10				2.07E-10	1.08E-09
Selenium	Water	groundw	kg	3.89E-12	7.87E-11	2.23E-09				7.59E-11	2.39E-09

				Utilisation						Utilisation	Utilisation
					Lave-linge	Lave-linge	Lave-linge	Lave-linge	Pressing		
				Transport	Elec lave-linge	Lessive pour lave-linge	Eau pour lave-linge	Sèche-linge	Pressing	Repassage	TOTAL
Silicon	Water	groundw	kg	5.91E-07	1.01E-05	1.26E-04				9.78E-06	1.46E-04
Silver, ion	Water	groundw	kg	1.18E-13	7.39E-13	4.61E-11				7.12E-13	4.76E-11
Sodium, ion	Water	groundw	kg	2.03E-08	1.73E-07	2.18E-05				1.67E-07	2.22E-05
Strontium	Water	groundw	kg	3.61E-10	6.01E-09	4.35E-08				5.80E-09	5.57E-08
Sulfate	Water	groundw	kg	9.89E-08	9.54E-07	1.33E-05				9.20E-07	1.52E-05
Thallium	Water	groundw	kg	4.39E-13	1.75E-11	5.53E-11				1.68E-11	9.00E-11
Tin, ion	Water	groundw	kg	1.64E-11	1.25E-09	4.90E-09				1.21E-09	7.38E-09
Titanium, ion	Water	groundw	kg	6.09E-09	4.29E-08	6.77E-06				4.14E-08	6.86E-06
TOC, Total Organic Carbon	Water	groundw	kg	2.56E-08	2.73E-07	4.02E-06				2.63E-07	4.58E-06
Tungsten	Water	groundw	kg	3.36E-12	8.31E-11	4.49E-10				8.02E-11	6.16E-10
Vanadium, ion	Water	groundw	kg	5.73E-10	3.95E-09	2.58E-07				3.81E-09	2.67E-07
Zinc, ion	Water	groundw	kg	1.08E-08	3.62E-09	6.42E-08				3.49E-09	8.21E-08
Calcium, ion	Water	lake	kg	1.50E-08	3.81E-08	3.37E-08				3.67E-08	1.23E-07
DOC, Dissolved Organic Carl	Water	lake	kg	1.00E-12	4.11E-12	3.13E-11				3.97E-12	4.03E-11
Acenaphthene	Water	ocean	kg	1.11E-14	2.28E-14	9.76E-14				2.20E-14	1.53E-13
Acenaphthylene	Water	ocean	kg	6.94E-16	1.43E-15	6.10E-15				1.38E-15	9.60E-15
Actinides, radioactive, unspe	Water	ocean	Bq	1.94E-06	2.26E-03	1.63E-04				2.18E-03	4.60E-03
Aluminum	Water	ocean	kg	4.36E-10	1.41E-09	7.64E-09				1.36E-09	1.08E-08
Ammonium, ion	Water	ocean	kg	2.30E-10	2.99E-10	1.61E-09				2.88E-10	2.42E-09
AOX, Adsorbable Organic Ha	Water	ocean	kg	6.82E-13	1.34E-12	6.30E-12				1.29E-12	9.61E-12
Arsenic, ion	Water	ocean	kg	1.23E-12	4.38E-12	3.18E-11				4.22E-12	4.16E-11
Barite	Water	ocean	kg	1.97E-08	6.50E-08	4.02E-07				6.27E-08	5.49E-07
Barium	Water	ocean	kg	1.56E-09	3.20E-09	1.37E-08				3.08E-09	2.15E-08
Benzene	Water	ocean	kg	1.47E-10	3.02E-10	1.30E-09				2.91E-10	2.04E-09
Benzene, ethyl-	Water	ocean	kg	4.28E-11	8.78E-11	3.77E-10				8.47E-11	5.92E-10
BOD5, Biological Oxygen De	Water	ocean	kg	2.32E-07	3.85E-07	1.75E-06				3.71E-07	2.74E-06
Boron	Water	ocean	kg	1.46E-11	3.08E-11	1.36E-10				2.97E-11	2.11E-10
Bromine	Water	ocean	kg	1.25E-09	2.56E-09	1.10E-08				2.47E-09	1.73E-08
Cadmium, ion	Water	ocean	kg	4.87E-13	1.57E-12	1.08E-11				1.52E-12	1.44E-11
Calcium, ion	Water	ocean	kg	5.71E-08	1.39E-07	7.71E-07				1.34E-07	1.10E-06
Carboxylic acids, unspecified	Water	ocean	kg	1.00E-08	2.09E-08	9.09E-08				2.02E-08	1.42E-07
Cesium	Water	ocean	kg	1.79E-12	3.67E-12	1.57E-11				3.54E-12	2.47E-11
Cesium-137	Water	ocean	Bq	2.23E-04	2.59E-01	1.87E-02				2.49E-01	5.27E-01
Chloride	Water	ocean	kg	8.95E-07	1.83E-06	7.88E-06				1.77E-06	1.24E-05
Chlorinated solvents, unspec	Water	ocean	kg	4.87E-21	3.43E-19	5.00E-19				3.30E-19	1.18E-18
Chromium, ion	Water	ocean	kg	8.51E-12	1.94E-11	8.59E-11				1.87E-11	1.33E-10
Cobalt	Water	ocean	kg	6.71E-15	7.80E-12	5.64E-13				7.52E-12	1.59E-11
COD, Chemical Oxygen Dem	Water	ocean	kg	2.36E-07	3.88E-07	1.77E-06				3.75E-07	2.77E-06
Copper, ion	Water	ocean	kg	1.75E-12	5.23E-12	3.07E-11				5.04E-12	4.27E-11
Cyanide	Water	ocean	kg	6.31E-12	1.33E-11	5.87E-11				1.28E-11	9.12E-11
DOC, Dissolved Organic Carl	Water	ocean	kg	7.47E-08	1.28E-07	5.77E-07				1.23E-07	9.03E-07
Fluoride	Water	ocean	kg	1.98E-10	6.32E-10	4.59E-09				6.09E-10	6.03E-09
Glutaraldehyde	Water	ocean	kg	2.43E-12	8.03E-12	4.96E-11				7.74E-12	6.78E-11
Hydrocarbons, aliphatic, alka	Water	ocean	kg	2.33E-10	4.76E-10	2.04E-09				4.59E-10	3.21E-09
Hydrocarbons, aliphatic, unsa	Water	ocean	kg	2.14E-11	4.40E-11	1.88E-10				4.24E-11	2.96E-10
Hydrocarbons, aromatic	Water	ocean	kg	9.82E-10	2.05E-09	8.97E-09				1.98E-09	1.40E-08
Hydrocarbons, unspecified	Water	ocean	kg	3.70E-10	1.23E-09	7.52E-09				1.19E-09	1.03E-08
Hydrogen-3, Tritium	Water	ocean	Bq	4.63E-01	5.38E+02	3.90E+01				5.19E+02	1.10E+03
Hypochlorite	Water	ocean	kg	1.16E-11	1.17E-09	1.56E-09				1.13E-09	3.86E-09
Iodide	Water	ocean	kg	1.79E-10	3.67E-10	1.57E-09				3.54E-10	2.47E-09
Iron, ion	Water	ocean	kg	9.57E-11	1.97E-10	8.59E-10				1.90E-10	1.34E-09
Lead	Water	ocean	kg	1.32E-11	3.14E-11	1.46E-10				3.03E-11	2.21E-10
Lead-210	Water	ocean	Bq	4.16E-06	6.35E-05	7.37E-04				6.12E-05	8.66E-04
Magnesium	Water	ocean	kg	9.84E-09	2.02E-08	8.69E-08				1.95E-08	1.36E-07
Manganese	Water	ocean	kg	7.87E-11	1.63E-10	7.06E-10				1.57E-10	1.10E-09
Mercury	Water	ocean	kg	3.82E-14	1.21E-13	7.31E-13				1.17E-13	1.01E-12
Methanol	Water	ocean	kg	2.98E-12	8.61E-11	1.10E-09				8.30E-11	1.27E-09
Molybdenum	Water	ocean	kg	3.65E-13	7.68E-13	3.39E-12				7.41E-13	5.27E-12
Nickel, ion	Water	ocean	kg	8.07E-13	1.04E-11	1.89E-11				1.00E-11	4.01E-11
Nitrate	Water	ocean	kg	4.43E-10	1.69E-07	1.50E-08				1.63E-07	3.48E-07
Nitrite	Water	ocean	kg	3.01E-12	3.50E-09	2.54E-10				3.38E-09	7.14E-09
Nitrogen	Water	ocean	kg	7.95E-12	1.71E-11	9.36E-11				1.65E-11	1.35E-10
Nitrogen, organic bound	Water	ocean	kg	2.55E-10	1.22E-09	4.08E-09				1.18E-09	6.74E-09
Oils, unspecified	Water	ocean	kg	7.21E-08	1.19E-07	5.41E-07				1.15E-07	8.47E-07
PAH, polycyclic aromatic hyd	Water	ocean	kg	1.41E-11	2.90E-11	1.25E-10				2.80E-11	1.96E-10
Phenol	Water	ocean	kg	2.24E-10	4.67E-10	1.99E-09				4.50E-10	3.13E-09
Phosphate	Water	ocean	kg	7.05E-11	1.07E-09	1.24E-08				1.03E-09	1.46E-08
Phosphorus	Water	ocean	kg	1.42E-11	9.69E-11	1.36E-10				9.34E-11	3.41E-10
Polonium-210	Water	ocean	Bq	6.36E-06	9.69E-05	1.13E-03				9.34E-05	1.32E-03
Potassium-40	Water	ocean	Bq	5.04E-07	7.67E-06	8.92E-05				7.40E-06	1.05E-04
Potassium, ion	Water	ocean	kg	7.52E-09	1.55E-08	6.65E-08				1.49E-08	1.04E-07
Radioactive species, Nuclide	Water	ocean	Bq	1.16E-03	1.35E+00	9.76E-02				1.30E+00	2.76E+00
Radium-224	Water	ocean	Bq	8.93E-05	1.83E-04	7.84E-04				1.77E-04	1.23E-03
Radium-226	Water	ocean	Bq	1.48E-04	3.64E-04	2.09E-03				3.51E-04	2.95E-03
Radium-228	Water	ocean	Bq	1.79E-04	3.67E-04	1.57E-03				3.54E-04	2.47E-03
Rubidium	Water	ocean	kg	1.79E-11	3.67E-11	1.57E-10				3.54E-11	2.47E-10
Selenium	Water	ocean	kg	5.46E-13	1.16E-12	5.09E-12				1.12E-12	7.91E-12
Silicon	Water	ocean	kg	6.91E-13	2.17E-12	1.19E-11				2.09E-12	1.69E-11
Silver, ion	Water	ocean	kg	1.07E-12	2.19E-12	9.41E-12				2.12E-12	1.48E-11
Sodium, ion	Water	ocean	kg	5.46E-07	1.12E-06	4.81E-06				1.08E-06	7.56E-06
Strontium	Water	ocean	kg	1.07E-08	2.20E-08	9.43E-08				2.13E-08	1.48E-07
Strontium-90	Water	ocean	Bq	2.46E-05	2.88E-02	2.08E-03				2.78E-02	5.87E-02
Sulfate	Water	ocean	kg	1.25E-08	7.11E-08	7.06E-07				6.86E-08	8.59E-07
Sulfide	Water	ocean	kg	3.91E-12	2.99E-10	5.37E-11				2.88E-10	6.45E-10
Sulfite	Water	ocean	kg	1.65E-20	1.64E-19	1.13E-17				1.58E-19	1.17E-17
Sulfur	Water	ocean	kg	2.62E-11	5.48E-11	2.96E-10				5.28E-11	4.30E-10
Suspended solids, unspecifie	Water	ocean	kg	7.14E-08	2.33E-07	1.43E-06				2.25E-07	1.96E-06
t-Butyl methyl ether	Water	ocean	kg	1.16E-11	2.43E-11	1.07E-10				2.35E-11	1.67E-10
Thorium-228	Water	ocean	Bq	3.57E-04	7.33E-04	3.14E-03				7.07E-04	4.94E-03
Titanium, ion	Water	ocean	kg	1.07E-13	3.45E-13	1.89E-12				3.33E-13	2.67E-12
TOC, Total Organic Carbon	Water	ocean	kg	7.47E-08	1.28E-07	5.77E-07				1.23E-07	9.03E-07
Toluene	Water	ocean	kg	2.71E-10	5.25E-10	2.31E-09				5.06E-10	3.61E-09
Tributyltin compounds	Water	ocean	kg	2.62E-11	1.08E-10	1.87E-10				1.05E-10	4.27E-10
Triethylene glycol	Water	ocean	kg	2.45E-12	7.64E-11	9.14E-10				7.37E-11	1.07E-09
Uranium-238	Water	ocean	Bq	2.13E-06	3.25E-05	3.79E-04				3.14E-05	4.45E-04

				Utilisation							Utilisation	Utilisation
					Lave-linge	Lave-linge	Lave-linge	Lave-linge	Pressing			
				Transport	Elec lave-linge	Lessive pour lave-linge	Eau pour lave-linge	Sèche-linge	Pressing	Repassage	TOTAL
Vanadium, ion	Water	ocean	kg	1.09E-12	2.30E-12	1.01E-11				2.22E-12	1.58E-11
VOC, volatile organic compou	Water	ocean	kg	6.25E-10	1.28E-09	5.49E-09				1.23E-09	8.63E-09
Xylene	Water	ocean	kg	2.10E-10	4.33E-10	1.86E-09				4.18E-10	2.92E-09
Zinc, ion	Water	ocean	kg	1.08E-09	3.39E-09	2.04E-08				3.27E-09	2.81E-08
Acenaphthene	Water	river	kg	3.60E-14	4.59E-14	2.10E-13				4.43E-14	3.37E-13
Acenaphthylene	Water	river	kg	2.25E-15	2.87E-15	1.32E-14				2.77E-15	2.10E-14
Acetic acid	Water	river	kg	8.14E-12	4.79E-11	2.72E-10				4.62E-11	3.75E-10
Acidity, unspecified	Water	river	kg	5.43E-11	3.01E-10	1.37E-08				2.90E-10	1.43E-08
Aluminum	Water	river	kg	3.95E-10	2.03E-07	3.23E-06				1.96E-07	3.63E-06
Ammonium, ion	Water	river	kg	6.43E-10	8.87E-08	8.66E-08				8.56E-08	2.61E-07
Antimony	Water	river	kg	8.23E-12	2.20E-10	2.23E-09				2.13E-10	2.67E-09
Antimony-122	Water	river	Bq	4.37E-09	4.28E-08	6.48E-08				4.13E-08	1.53E-07
Antimony-124	Water	river	Bq	4.46E-07	3.17E-04	2.64E-05				3.06E-04	6.51E-04
Antimony-125	Water	river	Bq	4.03E-07	2.33E-04	2.27E-05				2.25E-04	4.82E-04
AOX, Adsorbable Organic Ha	Water	river	kg	6.69E-12	7.47E-11	7.00E-11				7.21E-11	2.24E-10
Arsenic, ion	Water	river	kg	1.02E-09	3.10E-09	1.99E-08				2.99E-09	2.70E-08
Barium	Water	river	kg	5.04E-09	7.48E-09	2.96E-08				7.22E-09	4.94E-08
Barium-140	Water	river	Bq	1.91E-08	1.88E-07	2.84E-07				1.81E-07	6.72E-07
Benzene	Water	river	kg	4.33E-10	7.96E-10	5.99E-09				7.68E-10	7.98E-09
Benzene, ethyl-	Water	river	kg	1.39E-10	1.77E-10	8.11E-10				1.70E-10	1.30E-09
Beryllium	Water	river	kg	1.02E-14	8.03E-12	1.07E-12				7.74E-12	1.69E-11
BOD5, Biological Oxygen De	Water	river	kg	1.36E-06	2.99E-06	9.64E-06				2.88E-06	1.69E-05
Boron	Water	river	kg	4.37E-11	7.40E-10	5.99E-07				7.13E-10	6.00E-07
Bromate	Water	river	kg	2.32E-11	5.99E-10	1.84E-07				5.78E-10	1.85E-07
Bromine	Water	river	kg	4.13E-09	6.00E-09	3.11E-08				5.79E-09	4.70E-08
Butene	Water	river	kg	2.40E-15	6.55E-14	3.37E-10				6.31E-14	3.37E-10
Cadmium, ion	Water	river	kg	2.53E-09	6.47E-09	2.59E-09				6.24E-09	1.78E-08
Calcium, ion	Water	river	kg	1.93E-07	1.28E-06	2.15E-05				1.23E-06	2.42E-05
Carbonate	Water	river	kg	1.36E-10	3.21E-08	5.34E-08				3.09E-08	1.17E-07
Carboxylic acids, unspecified	Water	river	kg	2.13E-08	2.72E-08	1.24E-07				2.62E-08	1.99E-07
Cerium-141	Water	river	Bq	7.63E-09	7.50E-08	1.13E-07				7.23E-08	2.68E-07
Cerium-144	Water	river	Bq	2.32E-09	2.28E-08	3.45E-08				2.20E-08	8.17E-08
Cesium	Water	river	kg	5.79E-12	7.39E-12	3.38E-11				7.12E-12	5.41E-11
Cesium-134	Water	river	Bq	2.40E-07	2.31E-04	2.03E-05				2.23E-04	4.75E-04
Cesium-136	Water	river	Bq	1.36E-09	1.33E-08	2.01E-08				1.28E-08	4.76E-08
Cesium-137	Water	river	Bq	2.67E-06	4.76E-04	7.54E-05				4.59E-04	1.01E-03
Chlorate	Water	river	kg	1.87E-10	7.03E-09	1.41E-06				6.78E-09	1.42E-06
Chloride	Water	river	kg	2.99E-06	8.50E-06	7.85E-05				8.20E-06	9.82E-05
Chlorinated solvents, unspec	Water	river	kg	4.13E-13	2.84E-10	4.54E-10				2.74E-10	1.01E-09
Chlorine	Water	river	kg	2.90E-12	1.16E-10	6.37E-05				1.12E-10	6.37E-05
Chloroform	Water	river	kg	2.36E-20	2.01E-19	6.52E-18				1.94E-19	6.94E-18
Chromium-51	Water	river	Bq	1.49E-06	9.25E-05	3.07E-05				8.92E-05	2.14E-04
Chromium VI	Water	river	kg	4.87E-10	3.01E-09	4.09E-08				2.90E-09	4.73E-08
Chromium, ion	Water	river	kg	1.34E-11	6.87E-10	1.99E-08				6.63E-10	2.13E-08
Cobalt	Water	river	kg	2.21E-12	2.40E-11	6.54E-11				2.32E-11	1.15E-10
Cobalt-57	Water	river	Bq	4.31E-08	4.22E-07	6.39E-07				4.07E-07	1.51E-06
Cobalt-58	Water	river	Bq	7.14E-06	1.71E-03	2.18E-04				1.65E-03	3.59E-03
Cobalt-60	Water	river	Bq	6.18E-06	1.17E-03	1.73E-04				1.13E-03	2.47E-03
COD, Chemical Oxygen Dem	Water	river	kg	1.56E-06	3.53E-06	1.19E-05				3.41E-06	2.04E-05
Copper, ion	Water	river	kg	4.87E-09	1.25E-08	6.19E-09				1.21E-08	3.57E-08
Cumene	Water	river	kg	9.01E-11	3.79E-10	3.90E-09				3.65E-10	4.74E-09
Cyanide	Water	river	kg	9.77E-11	3.35E-09	1.23E-09				3.23E-09	7.91E-09
Dichromate	Water	river	kg	5.80E-13	1.10E-09	3.29E-11				1.06E-09	2.20E-09
DOC, Dissolved Organic Carl	Water	river	kg	5.26E-07	1.18E-06	2.87E-06				1.14E-06	5.71E-06
Ethane, 1,2-dichloro-	Water	river	kg	1.63E-13	6.67E-11	1.97E-11				6.43E-11	1.51E-10
Ethene	Water	river	kg	3.23E-11	1.66E-10	1.02E-09				1.60E-10	1.37E-09
Ethene, chloro-	Water	river	kg	2.59E-14	2.18E-11	2.80E-12				2.10E-11	4.57E-11
Ethylene diamine	Water	river	kg	3.31E-15	6.40E-15	1.01E-14				6.18E-15	2.60E-14
Ethylene oxide	Water	river	kg	1.17E-15	1.16E-13	7.60E-14				1.12E-13	3.04E-13
Fluoride	Water	river	kg	4.75E-10	5.85E-09	4.77E-08				5.64E-09	5.97E-08
Fluosilicic acid	Water	river	kg	9.76E-12	8.27E-11	2.32E-10				7.98E-11	4.05E-10
Formaldehyde	Water	river	kg	6.09E-13	3.62E-12	5.54E-11				3.49E-12	6.32E-11
Heat, waste	Water	river	MJ	9.19E-05	1.54E-03	1.87E-03				1.48E-03	4.98E-03
Hydrocarbons, aliphatic, alka	Water	river	kg	7.53E-10	9.60E-10	4.40E-09				9.26E-10	7.04E-09
Hydrocarbons, aliphatic, unsa	Water	river	kg	6.94E-11	8.86E-11	4.06E-10				8.54E-11	6.49E-10
Hydrocarbons, aromatic	Water	river	kg	3.06E-09	3.88E-09	1.81E-08				3.75E-09	2.88E-08
Hydrocarbons, unspecified	Water	river	kg	1.27E-10	3.69E-09	2.65E-08				3.56E-09	3.38E-08
Hydrogen-3, Tritium	Water	river	Bq	5.08E-02	5.05E+01	4.14E+00				4.87E+01	1.03E+02
Hydrogen peroxide	Water	river	kg	1.53E-13	1.65E-12	9.87E-06				1.59E-12	9.87E-06
Hydrogen sulfide	Water	river	kg	2.03E-12	3.21E-11	4.49E-11				3.09E-11	1.10E-10
Hydroxide	Water	river	kg	1.13E-12	9.00E-12	7.71E-11				8.68E-12	9.59E-11
Hypochlorite	Water	river	kg	1.08E-11	1.69E-09	1.39E-09				1.63E-09	4.72E-09
Iodide	Water	river	kg	5.79E-10	7.56E-10	3.46E-09				7.29E-10	5.52E-09
Iodine-131	Water	river	Bq	9.76E-08	4.23E-05	4.83E-06				4.08E-05	8.81E-05
Iodine-133	Water	river	Bq	1.20E-08	1.18E-07	1.78E-07				1.14E-07	4.22E-07
Iron-59	Water	river	Bq	3.31E-09	3.24E-08	4.90E-08				3.13E-08	1.16E-07
Iron, ion	Water	river	kg	8.19E-10	1.12E-07	4.07E-08				1.08E-07	2.62E-07
Lanthanum-140	Water	river	Bq	2.03E-08	2.00E-07	3.02E-07				1.93E-07	7.15E-07
Lead	Water	river	kg	1.75E-08	5.43E-08	2.15E-08				5.24E-08	1.46E-07
Lead-210	Water	river	Bq	1.66E-06	8.25E-05	1.82E-04				7.96E-05	3.46E-04
Magnesium	Water	river	kg	3.08E-08	1.25E-07	2.59E-07				1.21E-07	5.36E-07
Manganese	Water	river	kg	2.78E-10	2.61E-08	6.27E-09				2.52E-08	5.78E-08
Manganese-54	Water	river	Bq	4.30E-07	9.78E-05	1.32E-05				9.43E-05	2.06E-04
Mercury	Water	river	kg	4.21E-11	1.08E-10	1.83E-10				1.04E-10	4.38E-10
Methane, dichloro-, HCC-30	Water	river	kg	7.58E-11	1.51E-10	7.51E-10				1.45E-10	1.12E-09
Methanol	Water	river	kg	1.29E-14	3.44E-12	8.52E-13				3.31E-12	7.62E-12
Molybdenum	Water	river	kg	1.16E-11	8.03E-09	1.05E-09				7.74E-09	1.68E-08
Molybdenum-99	Water	river	Bq	7.02E-09	6.88E-08	1.04E-07				6.64E-08	2.47E-07
Nickel, ion	Water	river	kg	2.51E-11	2.43E-10	2.43E-09				2.35E-10	2.93E-09
Niobium-95	Water	river	Bq	3.48E-08	3.57E-07	1.62E-06				3.44E-07	2.36E-06
Nitrate	Water	river	kg	1.68E-09	1.02E-07	1.75E-06				9.86E-08	1.95E-06
Nitrite	Water	river	kg	1.21E-11	9.16E-10	4.10E-09				8.84E-10	5.92E-09
Nitrogen	Water	river	kg	5.43E-10	4.11E-08	1.05E-07				3.97E-08	1.87E-07
Nitrogen, organic bound	Water	river	kg	1.16E-09	1.87E-08	1.05E-08				1.80E-08	4.83E-08
Oils, unspecified	Water	river	kg	3.09E-07	6.30E-07	2.78E-06				6.07E-07	4.33E-06

				Utilisation						Utilisation	Utilisation
					Lave-linge	Lave-linge	Lave-linge	Lave-linge	Pressing		
				Transport	Elec lave-linge	Lessive pour lave-linge	Eau pour lave-linge	Sèche-linge	Pressing	Repassage	TOTAL
PAH, polycyclic aromatic hyd	Water	river	kg	2.91E-11	1.20E-10	4.99E-10				1.16E-10	7.64E-10
Paraffins	Water	river	kg	2.80E-16	1.45E-15	2.70E-14				1.40E-15	3.01E-14
Phenol	Water	river	kg	4.79E-10	6.44E-10	3.85E-09				6.21E-10	5.59E-09
Phosphate	Water	river	kg	8.12E-11	4.41E-09	7.00E-08				4.25E-09	7.88E-08
Phosphorus	Water	river	kg	4.12E-11	6.49E-10	3.85E-07				6.26E-10	3.87E-07
Polonium-210	Water	river	Bq	1.66E-06	8.25E-05	1.82E-04				7.96E-05	3.46E-04
Potassium-40	Water	river	Bq	2.08E-06	1.04E-04	2.29E-04				9.99E-05	4.35E-04
Potassium, ion	Water	river	kg	2.59E-08	6.95E-08	2.64E-07				6.70E-08	4.27E-07
Propene	Water	river	kg	1.01E-10	1.45E-10	2.00E-09				1.40E-10	2.39E-09
Propylene oxide	Water	river	kg	8.83E-11	4.66E-12	1.14E-10				4.49E-12	2.11E-10
Protactinium-234	Water	river	Bq	3.36E-06	2.85E-03	2.55E-04				2.75E-03	5.85E-03
Radioactive species, alpha e	Water	river	Bq	1.26E-08	2.41E-07	2.22E-06				2.33E-07	2.71E-06
Radioactive species, Nuclide	Water	river	Bq	7.32E-06	5.65E-03	3.22E-04				5.45E-03	1.14E-02
Radium-224	Water	river	Bq	2.89E-04	3.69E-04	1.69E-03				3.56E-04	2.70E-03
Radium-226	Water	river	Bq	2.57E-03	1.78E+00	1.61E-01				1.72E+00	3.66E+00
Radium-228	Water	river	Bq	5.79E-04	7.39E-04	3.38E-03				7.12E-04	5.41E-03
Rubidium	Water	river	kg	5.79E-11	7.39E-11	3.38E-10				7.12E-11	5.41E-10
Ruthenium-103	Water	river	Bq	1.48E-09	1.45E-08	2.20E-08				1.40E-08	5.20E-08
Scandium	Water	river	kg	3.87E-13	3.35E-11	7.78E-11				3.23E-11	1.44E-10
Selenium	Water	river	kg	2.93E-12	1.13E-09	1.15E-09				1.09E-09	3.38E-09
Silicon	Water	river	kg	1.15E-09	2.23E-08	9.69E-06				2.15E-08	9.73E-06
Silver-110	Water	river	Bq	6.02E-06	1.35E-03	1.66E-04				1.30E-03	2.83E-03
Silver, ion	Water	river	kg	6.06E-12	9.02E-12	3.92E-11				8.70E-12	6.30E-11
Sodium-24	Water	river	Bq	5.31E-08	5.22E-07	7.89E-07				5.03E-07	1.87E-06
Sodium formate	Water	river	kg	2.35E-14	3.02E-13	5.09E-12				2.91E-13	5.71E-12
Sodium, ion	Water	river	kg	1.79E-06	4.23E-06	2.75E-04				4.08E-06	2.85E-04
Solids, inorganic	Water	river	kg	2.77E-09	9.52E-08	5.84E-05				9.19E-08	5.86E-05
Solved solids	Water	river	kg	8.31E-09	5.94E-07	3.95E-06				5.72E-07	5.13E-06
Strontium	Water	river	kg	3.48E-08	4.44E-08	2.03E-07				4.28E-08	3.25E-07
Strontium-89	Water	river	Bq	1.26E-07	1.24E-06	2.75E-06				1.20E-06	5.32E-06
Strontium-90	Water	river	Bq	1.44E-03	6.93E-03	1.60E-01				6.68E-03	1.75E-01
Sulfate	Water	river	kg	1.31E-07	1.67E-05	3.00E-05				1.61E-05	6.30E-05
Sulfide	Water	river	kg	1.06E-11	2.71E-10	4.11E-08				2.61E-10	4.16E-08
Sulfite	Water	river	kg	5.92E-11	7.53E-09	7.67E-09				7.26E-09	2.25E-08
Sulfur	Water	river	kg	9.82E-10	1.99E-09	8.73E-09				1.92E-09	1.36E-08
Suspended solids, unspecifie	Water	river	kg	1.19E-08	6.90E-07	5.04E-06				6.65E-07	6.40E-06
t-Butyl methyl ether	Water	river	kg	7.37E-15	2.79E-14	4.30E-14				2.69E-14	1.05E-13
Technetium-99m	Water	river	Bq	1.61E-07	1.58E-06	2.41E-06				1.53E-06	5.68E-06
Tellurium-123m	Water	river	Bq	3.44E-08	3.47E-05	2.71E-06				3.35E-05	7.09E-05
Tellurium-132	Water	river	Bq	4.07E-10	3.98E-09	6.03E-09				3.84E-09	1.43E-08
Thallium	Water	river	kg	1.15E-13	1.52E-11	1.50E-11				1.46E-11	4.49E-11
Thorium-228	Water	river	Bq	1.16E-03	1.47E-03	6.76E-03				1.42E-03	1.08E-02
Thorium-230	Water	river	Bq	4.60E-04	3.90E-01	3.46E-02				3.76E-01	8.00E-01
Thorium-232	Water	river	Bq	3.89E-07	1.93E-05	4.27E-05				1.86E-05	8.10E-05
Thorium-234	Water	river	Bq	3.36E-06	2.85E-03	2.55E-04				2.75E-03	5.85E-03
Tin, ion	Water	river	kg	1.61E-13	1.39E-11	2.34E-11				1.34E-11	5.08E-11
Titanium, ion	Water	river	kg	7.37E-12	7.47E-10	1.13E-08				7.21E-10	1.28E-08
TOC, Total Organic Carbon	Water	river	kg	5.28E-07	1.18E-06	3.17E-06				1.14E-06	6.01E-06
Toluene	Water	river	kg	6.75E-10	8.43E-10	3.87E-09				8.13E-10	6.21E-09
Tungsten	Water	river	kg	4.40E-13	3.48E-11	7.61E-11				3.36E-11	1.45E-10
Uranium-234	Water	river	Bq	4.04E-06	3.43E-03	3.05E-04				3.30E-03	7.04E-03
Uranium-235	Water	river	Bq	6.66E-06	5.64E-03	5.03E-04				5.44E-03	1.16E-02
Uranium-238	Water	river	Bq	1.10E-05	8.65E-03	8.57E-04				8.34E-03	1.79E-02
Uranium alpha	Water	river	Bq	1.94E-04	1.65E-01	1.47E-02				1.59E-01	3.38E-01
Vanadium, ion	Water	river	kg	8.35E-12	3.46E-09	1.26E-09				3.34E-09	8.07E-09
VOC, volatile organic compou	Water	river	kg	2.02E-09	9.79E-09	1.25E-08				9.44E-09	3.37E-08
Xylene	Water	river	kg	5.49E-10	6.99E-10	3.20E-09				6.75E-10	5.12E-09
Zinc-65	Water	river	Bq	7.20E-07	7.06E-06	1.07E-05				6.81E-06	2.53E-05
Zinc, ion	Water	river	kg	4.61E-10	5.36E-09	4.34E-09				5.17E-09	1.53E-08
Zirconium-95	Water	river	Bq	8.34E-09	8.18E-08	1.24E-07				7.89E-08	2.93E-07
Boron	Soil		kg	3.95E-12	7.46E-09	2.23E-10				7.20E-09	1.49E-08
Cadmium	Soil		kg	3.58E-12	1.58E-13	4.83E-12				1.53E-13	8.73E-12
Chloride	Soil		kg	6.70E-07	2.67E-08	6.81E-07				2.58E-08	1.40E-06
Chromium	Soil		kg	3.21E-11	1.43E-12	4.34E-11				1.38E-12	7.84E-11
Chromium VI	Soil		kg	2.23E-11	4.22E-08	1.26E-09				4.07E-08	8.42E-08
Copper	Soil		kg	6.76E-11	2.63E-08	8.60E-10				2.54E-08	5.26E-08
Fluoride	Soil		kg	1.51E-11	2.85E-08	8.53E-10				2.75E-08	5.68E-08
Heat, waste	Soil		MJ	3.21E-06	8.77E-03	1.34E-04				8.46E-03	1.74E-02
Iron	Soil		kg	3.09E-09	3.68E-08	5.41E-07				3.55E-08	6.17E-07
Lead	Soil		kg	1.79E-11	7.92E-13	2.42E-11				7.64E-13	4.36E-11
Nickel	Soil		kg	2.86E-11	1.27E-12	3.86E-11				1.22E-12	6.97E-11
Oils, biogenic	Soil		kg	5.70E-11	7.05E-10	1.04E-08				6.80E-10	1.18E-08
Oils, unspecified	Soil		kg	2.08E-09	3.59E-09	1.51E-08				3.46E-09	2.42E-08
Sodium	Soil		kg	1.99E-09	5.25E-11	9.14E-09				5.06E-11	1.12E-08
Zinc	Soil		kg	2.86E-09	1.28E-10	3.89E-09				1.23E-10	7.01E-09
Aclonifen	Soil	agricultu	kg	1.89E-13	3.12E-13	7.12E-13				3.01E-13	1.51E-12
Aluminum	Soil	agricultu	kg	2.23E-11	5.68E-09	7.58E-09				5.48E-09	1.88E-08
Antimony	Soil	agricultu	kg	8.37E-18	7.32E-16	1.75E-15				7.06E-16	3.20E-15
Arsenic	Soil	agricultu	kg	4.57E-15	1.68E-12	1.21E-12				1.62E-12	4.51E-12
Atrazine	Soil	agricultu	kg	1.03E-15	2.04E-14	2.82E-14				1.97E-14	6.93E-14
Barium	Soil	agricultu	kg	9.36E-14	1.11E-13	4.50E-13				1.07E-13	7.62E-13
Bentazone	Soil	agricultu	kg	9.61E-14	1.59E-13	3.62E-13				1.54E-13	7.72E-13
Boron	Soil	agricultu	kg	2.61E-14	2.86E-14	1.19E-13				2.76E-14	2.01E-13
Cadmium	Soil	agricultu	kg	7.97E-14	3.44E-12	6.75E-12				3.31E-12	1.36E-11
Calcium	Soil	agricultu	kg	1.79E-10	6.92E-08	3.68E-08				6.67E-08	1.73E-07
Carbetamide	Soil	agricultu	kg	3.44E-14	6.74E-14	1.37E-13				6.50E-14	3.04E-13
Carbon	Soil	agricultu	kg	1.85E-10	2.30E-08	7.83E-08				2.22E-08	1.24E-07
Chloride	Soil	agricultu	kg	1.45E-12	7.48E-10	1.65E-10				7.22E-10	1.64E-09
Chlorothalonil	Soil	agricultu	kg	5.25E-13	1.12E-11	9.53E-12				1.08E-11	3.21E-11
Chromium	Soil	agricultu	kg	4.65E-12	5.11E-11	4.09E-10				4.92E-11	5.13E-10
Cobalt	Soil	agricultu	kg	1.43E-14	4.65E-12	4.45E-12				4.48E-12	1.36E-11
Copper	Soil	agricultu	kg	9.36E-12	5.76E-11	9.10E-10				5.56E-11	1.03E-09
Cypermethrin	Soil	agricultu	kg	7.59E-16	1.79E-15	3.25E-15				1.73E-15	7.53E-15
Dinoseb	Soil	agricultu	kg	1.43E-13	3.07E-12	2.59E-12				2.96E-12	8.76E-12
Fenpiclonil	Soil	agricultu	kg	2.72E-14	4.54E-13	3.99E-13				4.38E-13	1.32E-12

			Utilisation						Utilisation	Utilisation
				Lave-linge	Lave-linge	Lave-linge	Lave-linge	Pressing		
			Transport	Elec lave-linge	Lessive pour lave-linge	Eau pour lave-linge	Sèche-linge	Pressing	Repassage	TOTAL
Glyphosate	Soil	agricultu kg	1.59E-11	6.45E-13	1.59E-11				6.22E-13	3.31E-11
Iron	Soil	agricultu kg	1.24E-10	1.28E-08	6.00E-08				1.23E-08	8.52E-08
Lead	Soil	agricultu kg	1.24E-12	2.00E-11	1.33E-10				1.93E-11	1.74E-10
Linuron	Soil	agricultu kg	1.46E-12	2.41E-12	5.51E-12				2.33E-12	1.17E-11
Magnesium	Soil	agricultu kg	1.96E-11	7.81E-09	4.13E-09				7.53E-09	1.95E-08
Mancozeb	Soil	agricultu kg	6.83E-13	1.46E-11	1.24E-11				1.41E-11	4.18E-11
Manganese	Soil	agricultu kg	9.45E-12	4.69E-09	1.15E-09				4.52E-09	1.04E-08
Mercury	Soil	agricultu kg	2.52E-15	1.05E-13	6.24E-13				1.01E-13	8.32E-13
Metaldehyde	Soil	agricultu kg	6.58E-15	1.55E-14	2.81E-14				1.49E-14	6.52E-14
Metolachlor	Soil	agricultu kg	1.06E-11	1.75E-11	3.98E-11				1.68E-11	8.47E-11
Metribuzin	Soil	agricultu kg	2.41E-14	5.16E-13	4.36E-13				4.98E-13	1.47E-12
Molybdenum	Soil	agricultu kg	5.32E-15	1.12E-12	2.27E-12				1.08E-12	4.49E-12
Napropamide	Soil	agricultu kg	1.16E-14	2.74E-14	4.99E-14				2.64E-14	1.15E-13
Nickel	Soil	agricultu kg	3.02E-12	1.55E-11	2.68E-10				1.49E-11	3.02E-10
Orbencarb	Soil	agricultu kg	1.30E-13	2.78E-12	2.35E-12				2.68E-12	7.95E-12
Phosphorus	Soil	agricultu kg	4.44E-12	2.29E-09	5.06E-10				2.21E-09	5.01E-09
Pirimicarb	Soil	agricultu kg	9.11E-15	1.51E-14	3.44E-14				1.45E-14	7.31E-14
Potassium	Soil	agricultu kg	2.46E-11	1.28E-08	2.82E-09				1.23E-08	2.79E-08
Silicon	Soil	agricultu kg	6.00E-11	2.09E-08	1.72E-08				2.02E-08	5.84E-08
Silver	Soil	agricultu kg	9.25E-14	3.64E-14	7.96E-12				3.51E-14	8.12E-12
Strontium	Soil	agricultu kg	3.43E-13	3.59E-13	1.52E-12				3.46E-13	2.57E-12
Sulfur	Soil	agricultu kg	1.60E-11	3.01E-09	7.28E-09				2.90E-09	1.32E-08
Tebutam	Soil	agricultu kg	2.76E-14	6.50E-14	1.18E-13				6.27E-14	2.74E-13
Teflubenzuron	Soil	agricultu kg	1.60E-15	3.44E-14	2.90E-14				3.31E-14	9.81E-14
Tin	Soil	agricultu kg	1.53E-14	1.10E-12	8.73E-12				1.06E-12	1.09E-11
Titanium	Soil	agricultu kg	6.25E-13	3.23E-10	7.13E-11				3.11E-10	7.06E-10
Vanadium	Soil	agricultu kg	1.79E-14	9.23E-12	2.04E-12				8.90E-12	2.02E-11
Zinc	Soil	agricultu kg	1.05E-11	4.20E-09	1.29E-09				4.05E-09	9.56E-09
Oils, biogenic	Soil	forestry kg	1.12E-11	1.65E-09	1.62E-09				1.59E-09	4.87E-09
Oils, unspecified	Soil	forestry kg	3.82E-07	7.81E-07	3.35E-06				7.53E-07	5.27E-06
Aluminum	Soil	industria kg	3.00E-09	5.94E-09	2.97E-08				5.72E-09	4.44E-08
Arsenic	Soil	industria kg	1.20E-12	2.38E-12	1.19E-11				2.29E-12	1.78E-11
Barium	Soil	industria kg	1.50E-09	2.97E-09	1.49E-08				2.86E-09	2.22E-08
Boron	Soil	industria kg	3.00E-11	5.94E-11	2.97E-10				5.72E-11	4.44E-10
Calcium	Soil	industria kg	1.20E-08	2.38E-08	1.19E-07				2.29E-08	1.78E-07
Carbon	Soil	industria kg	8.97E-09	1.78E-08	8.92E-08				1.72E-08	1.33E-07
Chloride	Soil	industria kg	1.05E-08	2.07E-08	1.04E-07				2.00E-08	1.55E-07
Chromium	Soil	industria kg	1.50E-11	2.97E-11	1.49E-10				2.86E-11	2.22E-10
Copper	Soil	industria kg	2.56E-13	1.30E-12	6.69E-12				1.25E-12	9.50E-12
Fluoride	Soil	industria kg	1.50E-10	2.97E-10	1.49E-09				2.86E-10	2.22E-09
Glyphosate	Soil	industria kg	1.57E-09	1.94E-08	2.85E-07				1.87E-08	3.25E-07
Heat, waste	Soil	industria MJ	3.26E-08	2.61E-07	8.74E-07				2.52E-07	1.42E-06
Iron	Soil	industria kg	5.97E-09	1.19E-08	5.94E-08				1.15E-08	8.87E-08
Magnesium	Soil	industria kg	2.40E-09	4.75E-09	2.38E-08				4.58E-09	3.55E-08
Manganese	Soil	industria kg	1.20E-10	2.38E-10	1.19E-09				2.29E-10	1.78E-09
Oils, unspecified	Soil	industria kg	1.44E-11	2.24E-10	2.60E-09				2.16E-10	3.06E-09
Phosphorus	Soil	industria kg	1.50E-10	2.97E-10	1.49E-09				2.86E-10	2.22E-09
Potassium	Soil	industria kg	1.05E-09	2.07E-09	1.04E-08				2.00E-09	1.55E-08
Silicon	Soil	industria kg	3.00E-10	5.94E-10	2.97E-09				5.72E-10	4.44E-09
Sodium	Soil	industria kg	5.97E-09	1.19E-08	5.94E-08				1.15E-08	8.87E-08
Strontium	Soil	industria kg	3.00E-11	5.94E-11	2.97E-10				5.72E-11	4.44E-10
Sulfur	Soil	industria kg	1.79E-09	3.56E-09	1.78E-08				3.43E-09	2.66E-08
Zinc	Soil	industria kg	4.50E-11	8.90E-11	4.46E-10				8.59E-11	6.66E-10
Primary energy, non renewable		MJ			2.57E-02					2.57E-02
Tetrachloroethylene	Air	kg								

				Fin de vie					Fin de vie
				OM Collecte + transfert OM	OM Incineration avec recup energie	OM Incineration sans recup energie	OM Stockage	Réemploi Transport	TOTAL
Inventory	Compartr	Sub-com	Unit						
Energy, gross calorific value,	Raw	biotic	MJ	2.42E-06					2.42E-06
Peat, in ground	Raw	biotic	kg	1.23E-11					1.23E-11
Wood, hard, standing	Raw	biotic	m3	8.25E-11					8.25E-11
Wood, soft, standing	Raw	biotic	m3	1.49E-10					1.49E-10
Wood, unspecified, standing/	Raw	biotic	m3	7.98E-15					7.98E-15
Carbon dioxide, in air	Raw	in air	kg	2.19E-07	7.00E-10	5.52E-11			2.20E-07
Energy, kinetic, flow, in wind	Raw	in air	MJ	1.24E-07	-1.62E-04	3.64E-06	1.58E-06		-1.57E-04
Energy, solar	Raw	in air	MJ	1.30E-09					1.30E-09
Aluminium, 24% in bauxite, 1	Raw	in groun	kg	3.43E-09	5.28E-08	8.72E-09	1.32E-10		6.51E-08
Anhydrite, in ground	Raw	in groun	kg	4.47E-14					4.47E-14
Barite, 15% in crude ore, in g	Raw	in groun	kg	1.13E-09	-6.36E-08	1.29E-10	7.45E-10		-6.16E-08
Basalt, in ground	Raw	in groun	kg	1.34E-10	8.47E-08	6.68E-09			9.15E-08
Borax, in ground	Raw	in groun	kg	2.07E-14					2.07E-14
Calcite, in ground	Raw	in groun	kg	6.75E-08	9.26E-08	4.84E-09	4.11E-09		1.69E-07
Chromium, 25.5 in chromite,	Raw	in groun	kg	2.04E-09	-1.20E-11	2.42E-14	2.71E-14		2.03E-09
Chrysotile, in ground	Raw	in groun	kg	1.19E-13					1.19E-13
Cinnabar, in ground	Raw	in groun	kg	1.10E-14					1.10E-14
Clay, bentonite, in ground	Raw	in groun	kg	3.82E-09	-5.99E-09	1.30E-11	3.38E-08		3.16E-08
Clay, unspecified, in ground	Raw	in groun	kg	1.73E-08	6.91E-07	4.49E-08	6.04E-04		6.04E-04
Coal, brown, in ground	Raw	in groun	kg	7.06E-08					7.06E-08
Coal, hard, unspecified, in gr	Raw	in groun	kg	1.07E-06					1.07E-06
Cobalt, in ground	Raw	in groun	kg	7.60E-16					7.60E-16
Colemanite, in ground	Raw	in groun	kg	6.21E-11					6.21E-11
Copper, 0.99% in sulfide, Cu	Raw	in groun	kg	9.26E-10	1.41E-08	7.68E-10	1.38E-13		1.58E-08
Copper, 1.18% in sulfide, Cu	Raw	in groun	kg	5.14E-09					5.14E-09
Copper, 1.42% in sulfide, Cu	Raw	in groun	kg	1.36E-09					1.36E-09
Copper, 2.19% in sulfide, Cu	Raw	in groun	kg	6.76E-09					6.76E-09
Diatomite, in ground	Raw	in groun	kg	1.20E-15					1.20E-15
Dolomite, in ground	Raw	in groun	kg	1.20E-10	7.58E-11	2.39E-12			1.98E-10
Feldspar, in ground	Raw	in groun	kg	4.31E-17	2.78E-11				2.78E-11
Fluorine, 4.5% in apatite, 1%	Raw	in groun	kg	5.87E-12					5.87E-12
Fluorine, 4.5% in apatite, 3%	Raw	in groun	kg	2.60E-12					2.60E-12
Fluorspar, 92%, in ground	Raw	in groun	kg	8.36E-10	4.26E-10	3.61E-11			1.30E-09
Gas, mine, off-gas, process,	Raw	in groun	m3	5.07E-09					5.07E-09
Gas, natural, in ground	Raw	in groun	m3	2.06E-07					2.06E-07
Granite, in ground	Raw	in groun	kg	1.19E-13					1.19E-13
Gravel, in ground	Raw	in groun	kg	3.84E-07	-1.42E-05	-7.19E-07	5.62E-07		-1.39E-05
Gypsum, in ground	Raw	in groun	kg	2.11E-13					2.11E-13
Iron, 46% in ore, 25% in crud	Raw	in groun	kg	4.96E-08	1.68E-06	7.39E-08	5.51E-08		1.86E-06
Kaolinite, 24% in crude ore, i	Raw	in groun	kg	4.61E-11					4.61E-11
Kieserite, 25% in crude ore, i	Raw	in groun	kg	3.79E-13					3.79E-13
Lead, 5%, in sulfide, Pb 2.97	Raw	in groun	kg	6.67E-09	-1.89E-11	3.85E-14	4.31E-14		6.65E-09
Magnesite, 60% in crude ore,	Raw	in groun	kg	2.75E-10					2.75E-10
Manganese, 35.7% in sedime	Raw	in groun	kg	6.44E-11	-7.13E-12	1.41E-14	1.58E-14		5.73E-11
Molybdenum, 0.010% in sulfi	Raw	in groun	kg	4.68E-11					4.68E-11
Molybdenum, 0.014% in sulfi	Raw	in groun	kg	6.66E-12					6.66E-12
Molybdenum, 0.022% in sulfi	Raw	in groun	kg	2.12E-11					2.12E-11
Molybdenum, 0.025% in sulfi	Raw	in groun	kg	2.44E-11					2.44E-11
Molybdenum, 0.11% in sulfid	Raw	in groun	kg	4.28E-11					4.28E-11
Nickel, 1.13% in sulfide, Ni 0.	Raw	in groun	kg	9.71E-12					9.71E-12
Nickel, 1.98% in silicates, 1.0	Raw	in groun	kg	3.28E-09	-4.15E-12	8.21E-15	9.18E-15		3.28E-09
Oil, crude, in ground	Raw	in groun	kg	1.88E-07					1.88E-07
Olivine, in ground	Raw	in groun	kg	2.30E-14	1.23E-12	6.59E-15			1.26E-12
Pd, Pd 2.0E-4%, Pt 4.8E-4%,	Raw	in groun	kg	2.20E-16					2.20E-16
Pd, Pd 7.3E-4%, Pt 2.5E-4%,	Raw	in groun	kg	5.28E-16					5.28E-16
Phosphorus, 18% in apatite,	Raw	in groun	kg	1.07E-11			5.74E-07		5.74E-07
Phosphorus, 18% in apatite,	Raw	in groun	kg	2.35E-11					2.35E-11
Pt, Pt 2.5E-4%, Pd 7.3E-4%,	Raw	in groun	kg	2.66E-17					2.66E-17
Pt, Pt 4.8E-4%, Pd 2.0E-4%,	Raw	in groun	kg	9.55E-17					9.55E-17
Rh, Rh 2.0E-5%, Pt 2.5E-4%	Raw	in groun	kg	5.01E-18					5.01E-18
Rh, Rh 2.4E-5%, Pt 4.8E-4%	Raw	in groun	kg	1.57E-17					1.57E-17
Rhenium, in crude ore, in gro	Raw	in groun	kg	6.20E-18					6.20E-18
Rutile, in ground	Raw	in groun	kg	2.89E-17					2.89E-17
Sand, unspecified, in ground	Raw	in groun	kg	4.31E-12	2.03E-05	7.79E-09	8.96E-05		1.10E-04
Shale, in ground	Raw	in groun	kg	1.27E-13					1.27E-13
Silver, 0.01% in crude ore, in	Raw	in groun	kg	5.32E-16	-3.09E-13	6.11E-16	6.84E-16		-3.07E-13
Sodium chloride, in ground	Raw	in groun	kg	1.15E-08	7.23E-07	3.56E-08	4.45E-09		7.75E-07
Sodium sulphate, various forr	Raw	in groun	kg	4.83E-11					4.83E-11
Stibnite, in ground	Raw	in groun	kg	1.24E-16					1.24E-16
Sulfur, in ground	Raw	in groun	kg	1.16E-11	9.68E-10	7.48E-11	5.70E-08		5.81E-08
Sylvite, 25 % in sylvinite, in g	Raw	in groun	kg	1.82E-10					1.82E-10
Talc, in ground	Raw	in groun	kg	2.66E-12					2.66E-12
Tin, 79% in cassiterite, 0.1%	Raw	in groun	kg	3.73E-13					3.73E-13
TiO2, 45-60% in Ilmenite, in	Raw	in groun	kg	1.03E-10					1.03E-10
Ulexite, in ground	Raw	in groun	kg	6.05E-14					6.05E-14
Uranium, in ground	Raw	in groun	kg	6.63E-10	-4.39E-09	9.75E-11	3.62E-11		-3.60E-09
Vermiculite, in ground	Raw	in groun	kg	5.57E-14					5.57E-14
Volume occupied, final repos	Raw	in groun	m3	1.37E-12					1.37E-12
Volume occupied, final repos	Raw	in groun	m3	3.80E-13					3.80E-13
Volume occupied, undergrou	Raw	in groun	m3	5.89E-14					5.89E-14
Zinc 9%, in sulfide, Zn 5.34%	Raw	in groun	kg	5.40E-11	4.67E-10	6.95E-11	1.00E-15		5.91E-10
Energy, potential, stock, in ba	Raw	in water	MJ	2.17E-05					2.17E-05
Magnesium, 0.13% in water	Raw	in water	kg	1.10E-14					1.10E-14
Volume occupied, reservoir	Raw	in water	m3y	1.85E-07					1.85E-07
Water, cooling, unspecified n	Raw	in water	m3	1.13E-07					1.13E-07
Water, lake	Raw	in water	m3	5.45E-11					5.45E-11
Water, river	Raw	in water	m3	1.96E-07					1.96E-07
Water, salt, ocean	Raw	in water	m3	5.81E-08					5.81E-08
Water, salt, sole	Raw	in water	m3	1.45E-10					1.45E-10
Water, turbine use, unspecifie	Raw	in water	m3	1.81E-04					1.81E-04
Water, unspecified natural ori	Raw	in water	m3	6.09E-07	2.19E-07	8.16E-08	4.06E-08		9.51E-07
Water, well, in ground	Raw	in water	m3	2.46E-09					2.46E-09
Occup. as Convent. arable la	Raw	land	m2a	1.23E-10					1.23E-10

				Fin de vie					Fin de vie
				OM	OM	OM	OM	Réemploi	
				Collecte + transfert OM	Incineration avec recup energie	Incineration sans recup energie	Stockage	Transport	TOTAL
Occupation, construction site	Raw	land	m2a	3.84E-10					3.84E-10
Occupation, dump site	Raw	land	m2a	2.34E-08					2.34E-08
Occupation, dump site, benth	Raw	land	m2a	1.10E-10					1.10E-10
Occup. as Forest land	Raw	land	m2a	1.02E-09					1.02E-09
Occup. as Forest land	Raw	land	m2a	2.46E-07					2.46E-07
Occup. as Industrial area	Raw	land	m2a	4.64E-09					4.64E-09
Occupation, industrial area, b	Raw	land	m2a	1.15E-12					1.15E-12
Occupation, industrial area, b	Raw	land	m2a	1.87E-09					1.87E-09
Occupation, industrial area, v	Raw	land	m2a	6.23E-10					6.23E-10
Occupation, mineral extractio	Raw	land	m2a	5.23E-09					5.23E-09
Occupation, permanent crop,	Raw	land	m2a	2.52E-12					2.52E-12
Occup. as Discont. urban lan	Raw	land	m2a	7.53E-11					7.53E-11
Occup. as rail/ road area	Raw	land	m2a	3.05E-10					3.05E-10
Occup. as rail/ road area	Raw	land	m2a	3.37E-10					3.37E-10
Occup. as rail/ road area	Raw	land	m2a	2.45E-09					2.45E-09
Occup. as rail/ road area	Raw	land	m2a	8.60E-10					8.60E-10
Occup. as Contin. urban land	Raw	land	m2a	1.88E-13					1.88E-13
Occupation, water bodies, art	Raw	land	m2a	5.31E-09					5.31E-09
Occupation, water courses, a	Raw	land	m2a	1.83E-08					1.83E-08
Transformation, from arable	Raw	land	m2	2.12E-11					2.12E-11
Transformation, from arable,	Raw	land	m2	2.27E-10					2.27E-10
Transformation, from arable,	Raw	land	m2	2.21E-13					2.21E-13
Transformation, from dump si	Raw	land	m2	1.15E-11					1.15E-11
Transformation, from dump si	Raw	land	m2	3.43E-12					3.43E-12
Transformation, from dump si	Raw	land	m2	1.34E-13					1.34E-13
Transformation, from dump si	Raw	land	m2	3.80E-14					3.80E-14
Transformation, from forest	Raw	land	m2	3.08E-10					3.08E-10
Transformation, from forest, e	Raw	land	m2	1.74E-09					1.74E-09
Transformation, from industri	Raw	land	m2	7.59E-11					7.59E-11
Transformation, from industri	Raw	land	m2	9.23E-15					9.23E-15
Transformation, from industri	Raw	land	m2	8.40E-15					8.40E-15
Transformation, from industri	Raw	land	m2	1.43E-14					1.43E-14
Transformation, from mineral	Raw	land	m2	5.70E-11					5.70E-11
Transformation, from pasture	Raw	land	m2	1.58E-10					1.58E-10
Transformation, from pasture	Raw	land	m2	1.83E-13					1.83E-13
Transformation, from sea and	Raw	land	m2	1.10E-10					1.10E-10
Transformation, from shrub la	Raw	land	m2	1.28E-10					1.28E-10
Transformation, from unknow	Raw	land	m2	5.53E-10					5.53E-10
Transformation, to arable	Raw	land	m2	2.82E-11					2.82E-11
Transformation, to arable, no	Raw	land	m2	2.27E-10					2.27E-10
Transformation, to arable, no	Raw	land	m2	3.02E-13					3.02E-13
Transformation, to dump site	Raw	land	m2	1.85E-10					1.85E-10
Transformation, to dump site,	Raw	land	m2	1.10E-10					1.10E-10
Transformation, to dump site,	Raw	land	m2	1.15E-11					1.15E-11
Transformation, to dump site,	Raw	land	m2	3.43E-12					3.43E-12
Transformation, to dump site,	Raw	land	m2	1.34E-13					1.34E-13
Transformation, to dump site,	Raw	land	m2	3.80E-14					3.80E-14
Transformation, to forest	Raw	land	m2	4.24E-11					4.24E-11
Transformation, to forest, inte	Raw	land	m2	6.78E-12					6.78E-12
Transformation, to forest, inte	Raw	land	m2	1.72E-09					1.72E-09
Transformation, to heterogen	Raw	land	m2	1.34E-11					1.34E-11
Transformation, to industrial a	Raw	land	m2	7.78E-11					7.78E-11
Transformation, to industrial a	Raw	land	m2	5.68E-14					5.68E-14
Transformation, to industrial a	Raw	land	m2	5.38E-11					5.38E-11
Transformation, to industrial a	Raw	land	m2	1.76E-11					1.76E-11
Transformation, to mineral ex	Raw	land	m2	4.65E-10					4.65E-10
Transformation, to pasture ar	Raw	land	m2	9.96E-13					9.96E-13
Transformation, to permanen	Raw	land	m2	2.52E-14					2.52E-14
Transformation, to sea and o	Raw	land	m2	9.23E-15					9.23E-15
Transformation, to shrub land	Raw	land	m2	1.51E-11					1.51E-11
Transformation, to traffic area	Raw	land	m2	7.10E-13					7.10E-13
Transformation, to traffic area	Raw	land	m2	7.80E-13					7.80E-13
Transformation, to traffic area	Raw	land	m2	1.70E-11					1.70E-11
Transformation, to traffic area	Raw	land	m2	1.49E-11					1.49E-11
Transformation, to unknown	Raw	land	m2	1.00E-10					1.00E-10
Transformation, to urban, disc	Raw	land	m2	3.74E-15					3.74E-15
Transformation, to water bodi	Raw	land	m2	5.79E-11					5.79E-11
Transformation, to water cour	Raw	land	m2	2.26E-10					2.26E-10
Acetic acid	Air		kg	4.88E-13	-1.00E-09	1.86E-12	7.24E-13		-1.00E-09
Aluminum	Air		kg	4.53E-10	-1.43E-08	3.63E-11	3.73E-11		-1.37E-08
Ammonia	Air		kg	1.80E-10	8.83E-08	3.71E-12	1.14E-11		8.85E-08
Antimony	Air		kg	6.65E-17	-2.91E-12	1.06E-14	8.37E-15		-2.89E-12
Arsenic	Air		kg	3.99E-16	-4.50E-11	1.15E-13	9.61E-14		-4.48E-11
Benzene	Air		kg	4.87E-13	-1.90E-09	4.45E-12	5.57E-10		-1.33E-09
Benzene, hexachloro-	Air		kg	1.80E-16					1.80E-16
Benzo(a)pyrene	Air		kg	4.40E-15	-2.39E-12	6.98E-15	7.64E-15		-2.37E-12
Beryllium	Air		kg	9.96E-17	-2.82E-12	7.46E-15	7.43E-15		-2.80E-12
Butadiene	Air		kg	3.19E-20					3.19E-20
Cadmium	Air		kg	1.50E-15	3.97E-10	4.22E-10	6.84E-14		8.20E-10
Carbon dioxide, biogenic	Air		kg	5.01E-10	1.24E-03	1.01E-04	4.03E-04		1.74E-03
Carbon dioxide, fossil	Air		kg	8.02E-08	-3.52E-04	1.24E-06	5.36E-06		-3.45E-04
Carbon monoxide, biogenic	Air		kg	1.36E-10					1.36E-10
Carbon monoxide, fossil	Air		kg	1.82E-09	2.83E-08	3.45E-08	1.11E-07		1.76E-07
Chlorine	Air		kg	1.09E-16	5.55E-14	5.87E-15	1.00E-16		6.15E-14
Chromium	Air		kg	3.16E-14	-5.47E-11	1.52E-13	1.33E-13		-5.43E-11
Chromium VI	Air		kg	2.03E-17					2.03E-17
Cobalt	Air		kg	2.55E-15	-4.87E-11	1.07E-13	6.93E-14		-4.85E-11
Copper	Air		kg	2.60E-14	-8.64E-11	2.24E-13	1.56E-13		-8.60E-11
Dinitrogen monoxide	Air		kg	1.83E-10					1.83E-10
Dioxins, measured as 2,3,7,8	Air		kg	3.66E-16	8.58E-16	2.75E-14	2.17E-18		2.87E-14
Ethane, 1,1,1,2-tetrafluoro-, H	Air		kg	3.51E-14					3.51E-14
Ethane, hexafluoro-, HFC-11	Air		kg	4.15E-14	1.13E-16				4.16E-14
Ethylene oxide	Air		kg	3.08E-19					3.08E-19
Ethyne	Air		kg	1.43E-14	-7.53E-10	2.13E-12	2.02E-12		-7.49E-10
Fluorine	Air		kg	1.32E-19	-2.00E-14	1.49E-15	5.22E-16		-1.80E-14

				Fin de vie					Fin de vie
				OM	OM	OM	OM	Réemploi	
				Collecte + transfert OM	Incineration avec recup energie	Incineration sans recup energie	Stockage	Transport	TOTAL
Formaldehyde	Air		kg	1.50E-12	-8.35E-10	3.29E-12	7.89E-13		-8.30E-10
Heat, waste	Air		MJ	6.90E-06					6.90E-06
Helium	Air		kg	6.87E-22					6.87E-22
Hydrocarbons, aliphatic, alka	Air		kg	5.91E-12	-2.73E-07	1.37E-09	1.85E-08		-2.54E-07
Hydrocarbons, aromatic	Air		kg	6.90E-13	-1.75E-10	9.16E-13	4.97E-08		4.96E-08
Hydrocarbons, chlorinated	Air		kg	3.86E-14					3.86E-14
Hydrogen	Air		kg	2.89E-14					2.89E-14
Hydrogen chloride	Air		kg	3.09E-12					3.09E-12
Hydrogen fluoride	Air		kg	1.37E-12	6.24E-09	7.06E-09	3.46E-09		1.68E-08
Hydrogen sulfide	Air		kg	4.08E-13	-2.45E-09	6.67E-12	6.82E-11		-2.38E-09
Iron	Air		kg	1.45E-13					1.45E-13
Lead	Air		kg	1.88E-13	-1.78E-10	9.39E-13	6.93E-13		-1.77E-10
Manganese	Air		kg	4.25E-14					4.25E-14
Mercury	Air		kg	2.42E-14					2.42E-14
Methane, fossil	Air		kg	5.49E-12	-6.96E-07	3.34E-09	2.68E-05		2.61E-05
Methane, tetrafluoro-, FC-14	Air		kg	3.73E-13	6.54E-12	5.58E-13	3.34E-17		7.47E-12
Methanol	Air		kg	2.46E-13	9.00E-14	5.17E-14	4.78E-08		4.78E-08
Molybdenum	Air		kg	4.23E-17					4.23E-17
Nickel	Air		kg	1.76E-14					1.76E-14
Nitrogen oxides	Air		kg	2.07E-09					2.07E-09
NMVOC, non-methane volatil	Air		kg	3.13E-10					3.13E-10
Ozone	Air		kg	1.64E-10					1.64E-10
PAH, polycyclic aromatic hyd	Air		kg	1.76E-13	-1.63E-11	2.09E-14	3.39E-14		-1.61E-11
Particulates, < 2.5 um	Air		kg	1.26E-10					1.26E-10
Particulates, > 10 um	Air		kg	2.91E-11					2.91E-11
Particulates, > 2.5 um, and <	Air		kg	3.32E-11					3.32E-11
Phenol	Air		kg	2.23E-16					2.23E-16
Phosphorus	Air		kg	1.15E-16					1.15E-16
Platinum	Air		kg	3.32E-21					3.32E-21
Polychlorinated biphenyls	Air		kg	4.64E-16					4.64E-16
Selenium	Air		kg	1.65E-16					1.65E-16
Silicon	Air		kg	2.71E-21					2.71E-21
Sodium	Air		kg	7.72E-18					7.72E-18
Sulfate	Air		kg	1.36E-16					1.36E-16
Sulfur dioxide	Air		kg	9.39E-11					9.39E-11
Sulfur hexafluoride	Air		kg	1.60E-12					1.60E-12
Thallium	Air		kg	4.32E-16	-1.31E-12	6.48E-15	5.85E-15		-1.30E-12
Tin	Air		kg	3.34E-15					3.34E-15
Titanium	Air		kg	6.39E-16					6.39E-16
Toluene	Air		kg	2.00E-13					2.00E-13
Vanadium	Air		kg	1.92E-15					1.92E-15
water	Air		kg	6.97E-10					6.97E-10
Xylene	Air		kg	1.98E-13					1.98E-13
Zinc	Air		kg	2.71E-13					2.71E-13
Acenaphthene	Air	high. por	kg	6.54E-18					6.54E-18
Acetaldehyde	Air	high. por	kg	1.30E-12	-1.93E-10	4.01E-13	2.05E-08		2.03E-08
Acetic acid	Air	high. por	kg	6.02E-12					6.02E-12
Acetone	Air	high. por	kg	1.19E-12	-1.92E-10	3.99E-13	6.17E-14		-1.90E-10
Acrolein	Air	high. por	kg	1.10E-16					1.10E-16
Aldehydes, unspecified	Air	high. por	kg	1.11E-14	-6.15E-11	4.93E-13	2.41E-13		-6.07E-11
Aluminum	Air	high. por	kg	1.92E-12					1.92E-12
Ammonia	Air	high. por	kg	1.72E-10					1.72E-10
Ammonium carbonate	Air	high. por	kg	5.48E-14					5.48E-14
Antimony	Air	high. por	kg	3.42E-16					3.42E-16
Arsenic	Air	high. por	kg	4.75E-14					4.75E-14
Barium	Air	high. por	kg	2.38E-14	-1.72E-10	4.46E-13	4.51E-13		-1.71E-10
Benzaldehyde	Air	high. por	kg	5.74E-17	-1.88E-17	3.71E-20	4.15E-20		3.87E-17
Benzene	Air	high. por	kg	3.47E-12					3.47E-12
Benzene, ethyl-	Air	high. por	kg	2.97E-13	-6.25E-11	1.73E-13	1.80E-09		1.74E-09
Benzene, hexachloro-	Air	high. por	kg	2.02E-17					2.02E-17
Benzene, pentachloro-	Air	high. por	kg	5.07E-17					5.07E-17
Benzo(a)pyrene	Air	high. por	kg	9.69E-16					9.69E-16
Beryllium	Air	high. por	kg	4.69E-16					4.69E-16
Boron	Air	high. por	kg	1.69E-13	-1.37E-09	3.80E-12	3.66E-12		-1.36E-09
Bromine	Air	high. por	kg	1.08E-13					1.08E-13
Butane	Air	high. por	kg	1.87E-11	-3.75E-09	9.88E-12	1.63E-08		1.26E-08
Butene	Air	high. por	kg	2.44E-13	-6.25E-11	1.72E-13	2.12E-12		-6.00E-11
Cadmium	Air	high. por	kg	3.62E-14					3.62E-14
Calcium	Air	high. por	kg	1.07E-11	-1.92E-09	6.68E-12	5.35E-12		-1.90E-09
Carbon dioxide, biogenic	Air	high. por	kg	2.00E-07					2.00E-07
Carbon dioxide, fossil	Air	high. por	kg	1.32E-06					1.32E-06
Carbon disulfide	Air	high. por	kg	4.04E-17	4.83E-14				4.83E-14
Carbon monoxide, biogenic	Air	high. por	kg	3.17E-11					3.17E-11
Carbon monoxide, fossil	Air	high. por	kg	2.56E-10					2.56E-10
Chlorine	Air	high. por	kg	1.15E-12					1.15E-12
Chloroform	Air	high. por	kg	5.53E-15					5.53E-15
Chromium	Air	high. por	kg	7.92E-14					7.92E-14
Chromium VI	Air	high. por	kg	1.99E-15					1.99E-15
Cobalt	Air	high. por	kg	1.99E-13					1.99E-13
Copper	Air	high. por	kg	3.65E-13					3.65E-13
Cumene	Air	high. por	kg	1.66E-13					1.66E-13
Cyanide	Air	high. por	kg	5.94E-14	-3.79E-12	9.48E-15	9.85E-15		-3.71E-12
Dinitrogen monoxide	Air	high. por	kg	5.09E-11	8.37E-08	1.69E-08	1.20E-09		1.02E-07
Dioxins, measured as 2,3,7,8	Air	high. por	kg	3.81E-18					3.81E-18
Ethane	Air	high. por	kg	1.41E-11	-6.53E-09	1.54E-11	3.07E-08		2.42E-08
Ethane, 1,1,1,2-tetrafluoro-, H	Air	high. por	kg	1.09E-19					1.09E-19
Ethane, 1,2-dichloro-	Air	high. por	kg	5.11E-13					5.11E-13
Ethanol	Air	high. por	kg	2.41E-12					2.41E-12
Ethene	Air	high. por	kg	1.13E-12	-8.01E-10	2.24E-12	2.05E-12		-7.96E-10
Ethene, chloro-	Air	high. por	kg	1.05E-12					1.05E-12
Ethylene diamine	Air	high. por	kg	2.79E-18					2.79E-18
Ethylene oxide	Air	high. por	kg	1.89E-15					1.89E-15
Ethyne	Air	high. por	kg	8.98E-14					8.98E-14
Fluorine	Air	high. por	kg	8.74E-14					8.74E-14
Fluosilicic acid	Air	high. por	kg	4.85E-14					4.85E-14

				Fin de vie					Fin de vie
				OM	OM	OM	OM	Réemploi	
				Collecte + transfert OM	Incineration avec recup energie	Incineration sans recup energie	Stockage	Transport	TOTAL
Formaldehyde	Air	high. pop.	kg	5.76E-12					5.76E-12
Heat, waste	Air	high. pop.	MJ	1.23E-05					1.23E-05
Heptane	Air	high. pop.	kg	2.44E-12	-6.23E-10	1.71E-12	2.12E-11		-5.98E-10
Hexane	Air	high. pop.	kg	1.17E-11	-1.25E-09	3.42E-12	4.23E-11		-1.19E-09
Hydrocarbons, aliphatic, alka	Air	high. pop.	kg	6.21E-15					6.21E-15
Hydrocarbons, aliphatic, alka	Air	high. pop.	kg	6.83E-12	7.34E-09	3.24E-10	2.87E-09		1.05E-08
Hydrocarbons, aliphatic, unsa	Air	high. pop.	kg	5.75E-12					5.75E-12
Hydrocarbons, aromatic	Air	high. pop.	kg	2.33E-13					2.33E-13
Hydrocarbons, chlorinated	Air	high. pop.	kg	7.61E-14	1.83E-12	8.80E-16	9.03E-17		1.91E-12
Hydrogen	Air	high. pop.	kg	4.77E-11	7.03E-10	1.41E-13	9.37E-09		1.01E-08
Hydrogen chloride	Air	high. pop.	kg	9.18E-12	1.94E-08	1.32E-06	1.72E-08		1.36E-06
Hydrogen fluoride	Air	high. pop.	kg	4.65E-13					4.65E-13
Hydrogen sulfide	Air	high. pop.	kg	1.95E-14					1.95E-14
Iodine	Air	high. pop.	kg	2.03E-15	-6.78E-11	1.72E-13	1.77E-13		-6.74E-11
Iron	Air	high. pop.	kg	1.19E-12	-5.98E-09	1.54E-11	1.54E-11		-5.95E-09
Isocyanic acid	Air	high. pop.	kg	4.86E-12					4.86E-12
Lead	Air	high. pop.	kg	2.65E-13					2.65E-13
Lead-210	Air	high. pop.	Bq	8.27E-09					8.27E-09
m-Xylene	Air	high. pop.	kg	2.10E-13					2.10E-13
Magnesium	Air	high. pop.	kg	1.31E-12	-5.01E-09	1.29E-11	1.31E-11		-4.98E-09
Manganese	Air	high. pop.	kg	3.58E-13	-3.52E-11	2.25E-13	1.95E-13		-3.44E-11
Mercury	Air	high. pop.	kg	8.86E-15	4.38E-10	4.01E-10	1.71E-14		8.40E-10
Methane, biogenic	Air	high. pop.	kg	2.58E-12					2.58E-12
Methane, chlorodifluoro-, HCl	Air	high. pop.	kg	1.51E-18					1.51E-18
Methane, dichloro-, HCC-30	Air	high. pop.	kg	1.68E-16					1.68E-16
Methane, dichlorodifluoro-, C	Air	high. pop.	kg	3.86E-18					3.86E-18
Methane, dichlorofluoro-, HCl	Air	high. pop.	kg	2.12E-22					2.12E-22
Methane, fossil	Air	high. pop.	kg	1.16E-10					1.16E-10
Methane, monochloro-, R-40	Air	high. pop.	kg	5.56E-20					5.56E-20
Methane, tetrachloro-, CFC-1	Air	high. pop.	kg	2.28E-15					2.28E-15
Methane, trichlorofluoro-, CF	Air	high. pop.	kg	4.01E-22	6.90E-24	1.02E-24			4.09E-22
Methane, trifluoro-, HFC-23	Air	high. pop.	kg	6.76E-20					6.76E-20
Methanol	Air	high. pop.	kg	2.63E-12	-6.20E-10	1.15E-11	2.08E-13		-6.06E-10
Molybdenum	Air	high. pop.	kg	4.90E-14	-2.71E-11	6.06E-14	4.33E-14		-2.69E-11
Monoethanolamine	Air	high. pop.	kg	8.34E-14					8.34E-14
Nickel	Air	high. pop.	kg	1.74E-12	-8.98E-10	2.06E-12	1.32E-12		-8.93E-10
Nitrate	Air	high. pop.	kg	2.06E-14					2.06E-14
Nitrogen oxides	Air	high. pop.	kg	2.58E-09	3.02E-06	7.68E-07	7.69E-08		3.87E-06
NMVOC, non-methane volatil	Air	high. pop.	kg	3.56E-11					3.56E-11
Ozone	Air	high. pop.	kg	1.91E-15					1.91E-15
PAH, polycyclic aromatic hyd	Air	high. pop.	kg	1.01E-13	6.55E-13	5.58E-14			8.12E-13
Paraffins	Air	high. pop.	kg	5.30E-19					5.30E-19
Particulates, < 2.5 um	Air	high. pop.	kg	2.67E-10					2.67E-10
Particulates, > 10 um	Air	high. pop.	kg	5.62E-11					5.62E-11
Particulates, > 2.5 um, and <	Air	high. pop.	kg	5.81E-11	2.90E-08	9.55E-08	1.43E-08		1.39E-07
Pentane	Air	high. pop.	kg	2.43E-11	-5.01E-09	1.06E-11	1.10E-10		-4.87E-09
Phenol	Air	high. pop.	kg	2.07E-14	5.76E-12	5.70E-13	8.62E-15		6.36E-12
Phenol, pentachloro-	Air	high. pop.	kg	1.97E-17					1.97E-17
Phosphorus	Air	high. pop.	kg	5.40E-13	-1.26E-10	3.23E-13	3.30E-13		-1.25E-10
Platinum	Air	high. pop.	kg	4.30E-20					4.30E-20
Polonium-210	Air	high. pop.	Bq	1.51E-08					1.51E-08
Potassium	Air	high. pop.	kg	4.11E-11	-1.74E-09	4.42E-12	4.54E-12		-1.69E-09
Potassium-40	Air	high. pop.	Bq	2.40E-09					2.40E-09
Propanal	Air	high. pop.	kg	5.74E-17					5.74E-17
Propane	Air	high. pop.	kg	1.67E-11	-5.55E-09	1.86E-11	8.58E-09		3.06E-09
Propene	Air	high. pop.	kg	6.88E-13					6.88E-13
Propionic acid	Air	high. pop.	kg	1.47E-13					1.47E-13
Propylene oxide	Air	high. pop.	kg	2.04E-15					2.04E-15
Radioactive species, other be	Air	high. pop.	Bq	1.92E-06					1.92E-06
Radium-226	Air	high. pop.	Bq	2.13E-09					2.13E-09
Radium-228	Air	high. pop.	Bq	1.15E-08					1.15E-08
Radon-220	Air	high. pop.	Bq	1.79E-10					1.79E-10
Radon-222	Air	high. pop.	Bq	1.79E-10					1.79E-10
Scandium	Air	high. pop.	kg	2.23E-16					2.23E-16
Selenium	Air	high. pop.	kg	3.43E-14					3.43E-14
Silicon	Air	high. pop.	kg	2.90E-12					2.90E-12
Silver	Air	high. pop.	kg	2.30E-18					2.30E-18
Sodium	Air	high. pop.	kg	4.24E-12					4.24E-12
Sodium chlorate	Air	high. pop.	kg	1.69E-14					1.69E-14
Sodium dichromate	Air	high. pop.	kg	3.12E-13					3.12E-13
Sodium formate	Air	high. pop.	kg	1.32E-16					1.32E-16
Strontium	Air	high. pop.	kg	3.39E-14					3.39E-14
Sulfate	Air	high. pop.	kg	9.98E-11					9.98E-11
Sulfur dioxide	Air	high. pop.	kg	2.98E-09					2.98E-09
t-Butyl methyl ether	Air	high. pop.	kg	1.91E-15					1.91E-15
Thallium	Air	high. pop.	kg	2.86E-16					2.86E-16
Thorium	Air	high. pop.	kg	3.37E-16	-2.88E-12	7.37E-15	7.54E-15		-2.87E-12
Thorium-228	Air	high. pop.	Bq	9.78E-10					9.78E-10
Thorium-232	Air	high. pop.	Bq	6.22E-10					6.22E-10
Tin	Air	high. pop.	kg	3.31E-15	-9.05E-13	2.41E-15	2.39E-15		-8.97E-13
Titanium	Air	high. pop.	kg	7.53E-14	-5.00E-10	1.26E-12	1.30E-12		-4.97E-10
Toluene	Air	high. pop.	kg	2.26E-12	-9.40E-10	2.04E-12	1.33E-08		1.24E-08
Uranium	Air	high. pop.	kg	4.50E-16	-2.79E-12	7.16E-15	7.32E-15		-2.78E-12
Uranium-238	Air	high. pop.	Bq	1.77E-09					1.77E-09
Vanadium	Air	high. pop.	kg	6.30E-12	-3.55E-09	7.48E-12	4.70E-12		-3.53E-09
Xylene	Air	high. pop.	kg	1.00E-12					1.00E-12
Zinc	Air	high. pop.	kg	7.27E-13					7.27E-13
Acetone	Air	low. pop.	kg	3.85E-13					3.85E-13
Acrolein	Air	low. pop.	kg	4.75E-16					4.75E-16
Actinides, radioactive, unspe	Air	low. pop.	Bq	1.36E-11					1.36E-11
Aerosols, radioactive, unspec	Air	low. pop.	Bq	3.84E-07					3.84E-07
Aldehydes, unspecified	Air	low. pop.	kg	5.30E-13					5.30E-13
Aluminum	Air	low. pop.	kg	6.27E-14					6.27E-14
Ammonia	Air	low. pop.	kg	1.29E-11					1.29E-11
Antimony	Air	low. pop.	kg	4.95E-13					4.95E-13

			Fin de vie					Fin de vie
			OM	OM	OM	OM	Réemploi	
			Collecte + transfert OM	Incineration avec recup energie	Incineration sans recup energie	Stockage	Transport	TOTAL
Antimony-124	Air	low. pop.	Bq	1.12E-13				1.12E-13
Antimony-125	Air	low. pop.	Bq	1.17E-12				1.17E-12
Argon-41	Air	low. pop.	Bq	7.20E-07				7.20E-07
Arsenic	Air	low. pop.	kg	3.72E-12				3.72E-12
Barium	Air	low. pop.	kg	7.78E-13				7.78E-13
Barium-140	Air	low. pop.	Bq	7.61E-11				7.61E-11
Benzene	Air	low. pop.	kg	1.53E-11				1.53E-11
Benzo(a)pyrene	Air	low. pop.	kg	7.13E-14				7.13E-14
Beryllium	Air	low. pop.	kg	1.44E-15				1.44E-15
Boron	Air	low. pop.	kg	8.77E-12				8.77E-12
Bromine	Air	low. pop.	kg	3.99E-12				3.99E-12
Butadiene	Air	low. pop.	kg	2.25E-21				2.25E-21
Butane	Air	low. pop.	kg	2.72E-12				2.72E-12
Cadmium	Air	low. pop.	kg	1.23E-12				1.23E-12
Calcium	Air	low. pop.	kg	1.43E-14				1.43E-14
Carbon-14	Air	low. pop.	Bq	1.42E-03				1.42E-03
Carbon dioxide, biogenic	Air	low. pop.	kg	1.60E-10				1.60E-10
Carbon dioxide, fossil	Air	low. pop.	kg	1.96E-06				1.96E-06
Carbon disulfide	Air	low. pop.	kg	8.85E-11				8.85E-11
Carbon monoxide, biogenic	Air	low. pop.	kg	1.03E-12				1.03E-12
Carbon monoxide, fossil	Air	low. pop.	kg	8.79E-10				8.79E-10
Cerium-141	Air	low. pop.	Bq	1.84E-11				1.84E-11
Cesium-134	Air	low. pop.	Bq	8.83E-13				8.83E-13
Cesium-137	Air	low. pop.	Bq	1.57E-11				1.57E-11
Chlorine	Air	low. pop.	kg	1.91E-18				1.91E-18
Chromium	Air	low. pop.	kg	4.34E-12				4.34E-12
Chromium-51	Air	low. pop.	Bq	1.19E-12				1.19E-12
Chromium VI	Air	low. pop.	kg	1.14E-13				1.14E-13
Cobalt	Air	low. pop.	kg	1.07E-13				1.07E-13
Cobalt-58	Air	low. pop.	Bq	1.65E-12				1.65E-12
Cobalt-60	Air	low. pop.	Bq	1.45E-11				1.45E-11
Copper	Air	low. pop.	kg	1.16E-11				1.16E-11
Cyanide	Air	low. pop.	kg	7.67E-14				7.67E-14
Dinitrogen monoxide	Air	low. pop.	kg	1.92E-11				1.92E-11
Dioxins, measured as 2,3,7,8	Air	low. pop.	kg	3.61E-16				3.61E-16
Ethane	Air	low. pop.	kg	4.57E-11	-1.50E-08	5.78E-11	1.56E-08	7.23E-10
Ethane, 1,1,1,2-tetrafluoro-, H	Air	low. pop.	kg	2.71E-16				2.71E-16
Ethane, 1,2-dichloro-1,1,2,2-t	Air	low. pop.	kg	2.81E-15	1.82E-22	2.71E-23		2.81E-15
Ethanol	Air	low. pop.	kg	1.74E-15	-3.84E-10	7.98E-13	1.23E-13	-3.83E-10
Ethene	Air	low. pop.	kg	1.53E-13	-2.54E-08	5.51E-11	4.69E-08	2.16E-08
Ethylene oxide	Air	low. pop.	kg	2.18E-20				2.18E-20
Ethyne	Air	low. pop.	kg	4.57E-15				4.57E-15
Fluorine	Air	low. pop.	kg	3.87E-13				3.87E-13
Formaldehyde	Air	low. pop.	kg	1.16E-12				1.16E-12
Heat, waste	Air	low. pop.	MJ	2.27E-04				2.27E-04
Helium	Air	low. pop.	kg	4.73E-13				4.73E-13
Hexane	Air	low. pop.	kg	1.14E-11				1.14E-11
Hydrocarbons, aliphatic, alka	Air	low. pop.	kg	5.52E-12				5.52E-12
Hydrocarbons, aliphatic, unsa	Air	low. pop.	kg	4.18E-12				4.18E-12
Hydrocarbons, aromatic	Air	low. pop.	kg	6.73E-13				6.73E-13
Hydrogen-3, Tritium	Air	low. pop.	Bq	8.21E-03				8.21E-03
Hydrogen chloride	Air	low. pop.	kg	2.35E-10				2.35E-10
Hydrogen fluoride	Air	low. pop.	kg	5.74E-11				5.74E-11
Hydrogen sulfide	Air	low. pop.	kg	4.40E-12				4.40E-12
Iodine	Air	low. pop.	kg	1.73E-12				1.73E-12
Iodine-129	Air	low. pop.	Bq	1.47E-06				1.47E-06
Iodine-131	Air	low. pop.	Bq	2.71E-07				2.71E-07
Iodine-133	Air	low. pop.	Bq	9.10E-11				9.10E-11
Iron	Air	low. pop.	kg	2.11E-08				2.11E-08
Krypton-85	Air	low. pop.	Bq	2.30E-06				2.30E-06
Krypton-85m	Air	low. pop.	Bq	1.13E-06				1.13E-06
Krypton-87	Air	low. pop.	Bq	2.68E-07				2.68E-07
Krypton-88	Air	low. pop.	Bq	3.42E-07				3.42E-07
Krypton-89	Air	low. pop.	Bq	1.38E-07				1.38E-07
Lanthanum-140	Air	low. pop.	Bq	6.51E-12				6.51E-12
Lead	Air	low. pop.	kg	1.19E-11				1.19E-11
Lead-210	Air	low. pop.	Bq	1.94E-06				1.94E-06
Magnesium	Air	low. pop.	kg	2.53E-14				2.53E-14
Manganese	Air	low. pop.	kg	1.67E-12				1.67E-12
Manganese-54	Air	low. pop.	Bq	6.06E-13				6.06E-13
Mercury	Air	low. pop.	kg	1.03E-13				1.03E-13
Methane, biogenic	Air	low. pop.	kg	2.18E-11				2.18E-11
Methane, bromochlorodifluor	Air	low. pop.	kg	1.10E-14				1.10E-14
Methane, bromotrifluoro-, Hal	Air	low. pop.	kg	6.40E-15	-7.04E-12	2.18E-14	2.41E-13	-6.77E-12
Methane, chlorodifluoro-, HCl	Air	low. pop.	kg	6.58E-14	1.63E-24	2.43E-25		6.58E-14
Methane, dichlorodifluoro-, C	Air	low. pop.	kg	2.30E-17	1.49E-24	2.21E-25		2.30E-17
Methane, fossil	Air	low. pop.	kg	3.99E-09				3.99E-09
Methanol	Air	low. pop.	kg	5.39E-13				5.39E-13
Molybdenum	Air	low. pop.	kg	1.37E-14				1.37E-14
Nickel	Air	low. pop.	kg	7.69E-12				7.69E-12
Niobium-95	Air	low. pop.	Bq	7.19E-14				7.19E-14
Nitrogen oxides	Air	low. pop.	kg	5.78E-09				5.78E-09
NMVOC, non-methane volatil	Air	low. pop.	kg	5.56E-10	8.85E-08	7.98E-08	1.21E-09	1.70E-07
Noble gases, radioactive, uns	Air	low. pop.	Bq	1.42E+01				1.42E+01
PAH, polycyclic aromatic hyd	Air	low. pop.	kg	9.57E-14				9.57E-14
Particulates, < 2.5 um	Air	low. pop.	kg	9.65E-10				9.65E-10
Particulates, > 10 um	Air	low. pop.	kg	4.16E-09				4.16E-09
Particulates, > 2.5 um, and <	Air	low. pop.	kg	1.28E-09				1.28E-09
Pentane	Air	low. pop.	kg	2.85E-12				2.85E-12
Phenol	Air	low. pop.	kg	2.60E-14				2.60E-14
Phenol, pentachloro-	Air	low. pop.	kg	3.13E-14				3.13E-14
Phosphorus	Air	low. pop.	kg	7.20E-16				7.20E-16
Plutonium-238	Air	low. pop.	Bq	2.00E-13				2.00E-13
Plutonium-alpha	Air	low. pop.	Bq	4.60E-13				4.60E-13
Polonium-210	Air	low. pop.	Bq	3.14E-06				3.14E-06

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Potassium	Air	low. pop.	kg	7.81E-15				7.81E-15
Potassium-40	Air	low. pop.	Bq	2.36E-07				2.36E-07
Propane	Air	low. pop.	kg	1.22E-11				1.22E-11
Propene	Air	low. pop.	kg	3.18E-13	-9.45E-10	2.64E-12	6.43E-12	-9.35E-10
Protactinium-234	Air	low. pop.	Bq	1.62E-07				1.62E-07
Radioactive species, other be	Air	low. pop.	Bq	3.54E-11				3.54E-11
Radium-226	Air	low. pop.	Bq	5.72E-06				5.72E-06
Radium-228	Air	low. pop.	Bq	9.86E-08				9.86E-08
Radon-222	Air	low. pop.	Bq	5.02E-01				5.02E-01
Ruthenium-103	Air	low. pop.	Bq	1.58E-14				1.58E-14
Scandium	Air	low. pop.	kg	1.19E-17	-1.53E-12	3.88E-15	3.99E-15	-1.52E-12
Selenium	Air	low. pop.	kg	5.79E-13	-4.38E-11	1.04E-13	9.44E-14	-4.30E-11
Silicon	Air	low. pop.	kg	2.58E-13	-2.16E-08	5.93E-11	5.74E-11	-2.15E-08
Silicon tetrafluoride	Air	low. pop.	kg	1.77E-16				1.77E-16
Silver	Air	low. pop.	kg	2.15E-18				2.15E-18
Silver-110	Air	low. pop.	Bq	1.57E-13				1.57E-13
Sodium	Air	low. pop.	kg	3.12E-15	-1.87E-09	4.35E-12	3.57E-12	-1.86E-09
Strontium	Air	low. pop.	kg	8.01E-13	-2.79E-10	7.15E-13	7.32E-13	-2.77E-10
Styrene	Air	low. pop.	kg	3.99E-16				3.99E-16
Sulfur dioxide	Air	low. pop.	kg	1.26E-08	-1.76E-06	5.88E-07	7.06E-08	-1.09E-06
Sulfur hexafluoride	Air	low. pop.	kg	5.13E-17				5.13E-17
Thallium	Air	low. pop.	kg	1.68E-17				1.68E-17
Thorium	Air	low. pop.	kg	1.19E-17				1.19E-17
Thorium-228	Air	low. pop.	Bq	5.31E-08				5.31E-08
Thorium-230	Air	low. pop.	Bq	6.02E-07				6.02E-07
Thorium-232	Air	low. pop.	Bq	8.34E-08				8.34E-08
Thorium-234	Air	low. pop.	Bq	1.62E-07				1.62E-07
Tin	Air	low. pop.	kg	4.87E-13				4.87E-13
Titanium	Air	low. pop.	kg	1.83E-15				1.83E-15
Toluene	Air	low. pop.	kg	2.70E-12				2.70E-12
Uranium	Air	low. pop.	kg	6.06E-18				6.06E-18
Uranium-234	Air	low. pop.	Bq	1.90E-06				1.90E-06
Uranium-235	Air	low. pop.	Bq	9.21E-08				9.21E-08
Uranium-238	Air	low. pop.	Bq	2.06E-06				2.06E-06
Uranium alpha	Air	low. pop.	Bq	8.92E-06				8.92E-06
Vanadium	Air	low. pop.	kg	1.90E-13				1.90E-13
water	Air	low. pop.	kg	1.47E-16	2.21E-07	1.16E-08	1.01E-04	1.01E-04
Xenon-131m	Air	low. pop.	Bq	1.38E-06				1.38E-06
Xenon-133	Air	low. pop.	Bq	4.99E-05				4.99E-05
Xenon-133m	Air	low. pop.	Bq	6.67E-08				6.67E-08
Xenon-135	Air	low. pop.	Bq	2.00E-05				2.00E-05
Xenon-135m	Air	low. pop.	Bq	1.26E-05				1.26E-05
Xenon-137	Air	low. pop.	Bq	3.80E-07				3.80E-07
Xenon-138	Air	low. pop.	Bq	2.87E-06				2.87E-06
Xylene	Air	low. pop.	kg	1.83E-11	-3.87E-10	1.09E-12	4.73E-09	4.36E-09
Zinc	Air	low. pop.	kg	9.23E-12	-1.32E-10	1.97E-12	4.85E-13	-1.20E-10
Zinc-65	Air	low. pop.	Bq	3.02E-12				3.02E-12
Zirconium	Air	low. pop.	kg	1.46E-16	-2.14E-12	5.37E-15	5.57E-15	-2.13E-12
Zirconium-95	Air	low. pop.	Bq	2.96E-12				2.96E-12
Radon-222	Air	low. pop.	Bq	2.11E+01				2.11E+01
Benzene	Air	stratospl	kg	1.44E-20				1.44E-20
Butadiene	Air	stratospl	kg	1.37E-20				1.37E-20
Cadmium	Air	stratospl	kg	7.22E-24				7.22E-24
Carbon dioxide, fossil	Air	stratospl	kg	2.28E-15				2.28E-15
Carbon monoxide, fossil	Air	stratospl	kg	2.67E-18				2.67E-18
Chromium	Air	stratospl	kg	3.61E-23				3.61E-23
Copper	Air	stratospl	kg	1.23E-21				1.23E-21
Dinitrogen monoxide	Air	stratospl	kg	2.17E-20				2.17E-20
Ethylene oxide	Air	stratospl	kg	1.32E-19				1.32E-19
Formaldehyde	Air	stratospl	kg	1.13E-19				1.13E-19
Heat, waste	Air	stratospl	MJ	3.29E-14				3.29E-14
Hydrogen chloride	Air	stratospl	kg	6.21E-22				6.21E-22
Lead	Air	stratospl	kg	1.44E-23				1.44E-23
Mercury	Air	stratospl	kg	5.05E-26				5.05E-26
Methane, fossil	Air	stratospl	kg	3.61E-20				3.61E-20
Nickel	Air	stratospl	kg	5.05E-23				5.05E-23
Nitrogen oxides	Air	stratospl	kg	1.01E-17				1.01E-17
NMVOC, non-methane volatil	Air	stratospl	kg	4.85E-19				4.85E-19
Particulates, < 2.5 um	Air	stratospl	kg	2.74E-20				2.74E-20
Selenium	Air	stratospl	kg	7.22E-24				7.22E-24
Sulfur dioxide	Air	stratospl	kg	7.22E-19				7.22E-19
water	Air	stratospl	kg	8.93E-16				8.93E-16
Zinc	Air	stratospl	kg	7.22E-22				7.22E-22
Aluminum	Water		kg	6.21E-15				6.21E-15
AOX, Adsorbable Organic Ha	Water		kg	9.24E-16	-5.17E-12	5.91E-14	2.75E-13	-4.84E-12
Arsenic, ion	Water		kg	3.46E-13				3.46E-13
BOD5, Biological Oxygen De	Water		kg	5.21E-10				5.21E-10
Cadmium, ion	Water		kg	3.50E-13				3.50E-13
Chloride	Water		kg	2.07E-09				2.07E-09
Chromium VI	Water		kg	3.47E-13				3.47E-13
Chromium, ion	Water		kg	1.44E-14	2.39E-13	5.52E-15	3.55E-19	2.59E-13
COD, Chemical Oxygen Dem	Water		kg	5.22E-10				5.22E-10
Copper, ion	Water		kg	1.74E-12				1.74E-12
Cyanide	Water		kg	3.46E-12				3.46E-12
DOC, Dissolved Organic Carl	Water		kg	2.04E-10				2.04E-10
Fluoride	Water		kg	1.07E-13				1.07E-13
Formaldehyde	Water		kg	9.24E-14				9.24E-14
Heat, waste	Water		MJ	6.29E-10				6.29E-10
Hydrocarbons, unspecified	Water		kg	4.50E-14				4.50E-14
Iron, ion	Water		kg	1.32E-11				1.32E-11
Lead	Water		kg	7.01E-13				7.01E-13
Manganese	Water		kg	1.46E-14				1.46E-14
Mercury	Water		kg	3.54E-14				3.54E-14
Methanol	Water		kg	2.78E-14				2.78E-14
Nickel, ion	Water		kg	1.75E-12				1.75E-12

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				Collecte + transfert OM	Incineration avec recup energie	Incineration sans recup energie	Stockage	Transport	TOTAL
Oils, unspecified	Water		kg	3.61E-11					3.61E-11
Phenol	Water		kg	9.24E-15					9.24E-15
Phosphorus	Water		kg	9.25E-15					9.25E-15
Sodium, ion	Water		kg	2.46E-11					2.46E-11
Sulfate	Water		kg	1.34E-14					1.34E-14
Suspended solids, unspecifie	Water		kg	4.56E-12					4.56E-12
TOC, Total Organic Carbon	Water		kg	2.04E-10					2.04E-10
Zinc, ion	Water		kg	7.07E-12					7.07E-12
Aluminum	Water	groundw	kg	1.10E-12					1.10E-12
Ammonium, ion	Water	groundw	kg	8.17E-13	-2.52E-09	1.75E-11	1.27E-08		1.02E-08
Antimony	Water	groundw	kg	5.56E-14					5.56E-14
Arsenic, ion	Water	groundw	kg	4.22E-13					4.22E-13
Barium	Water	groundw	kg	8.43E-12					8.43E-12
Beryllium	Water	groundw	kg	3.86E-17					3.86E-17
BOD5, Biological Oxygen De	Water	groundw	kg	1.64E-13					1.64E-13
Boron	Water	groundw	kg	5.49E-14	-5.63E-11	1.55E-13	1.88E-12		-5.42E-11
Bromine	Water	groundw	kg	5.23E-14					5.23E-14
Cadmium, ion	Water	groundw	kg	4.38E-15	-1.33E-12	2.11E-14	4.00E-13		-9.05E-13
Calcium, ion	Water	groundw	kg	7.30E-13	-1.08E-07	3.37E-10	3.74E-09		-1.04E-07
Chloride	Water	groundw	kg	5.82E-09					5.82E-09
Chlorine	Water	groundw	kg	4.79E-12					4.79E-12
Chromium VI	Water	groundw	kg	5.26E-14					5.26E-14
Chromium, ion	Water	groundw	kg	1.20E-12					1.20E-12
Cobalt	Water	groundw	kg	3.49E-14					3.49E-14
COD, Chemical Oxygen Dem	Water	groundw	kg	1.64E-13					1.64E-13
Copper, ion	Water	groundw	kg	3.95E-13					3.95E-13
Fluoride	Water	groundw	kg	2.48E-12					2.48E-12
Iodide	Water	groundw	kg	6.66E-15	-3.40E-10	9.46E-13	1.16E-11		-3.28E-10
Iron, ion	Water	groundw	kg	1.14E-10	-1.08E-09	3.00E-10	4.23E-10		-2.41E-10
Lead	Water	groundw	kg	3.29E-16	-6.96E-11	2.64E-12	3.87E-12		-6.31E-11
Lead-210	Water	groundw	Bq	5.68E-11					5.68E-11
Magnesium	Water	groundw	kg	8.28E-14					8.28E-14
Manganese	Water	groundw	kg	1.90E-12					1.90E-12
Mercury	Water	groundw	kg	8.57E-20					8.57E-20
Molybdenum	Water	groundw	kg	3.31E-13	-1.05E-11	2.05E-13	1.19E-13		-9.89E-12
Nickel, ion	Water	groundw	kg	8.28E-14					8.28E-14
Nitrate	Water	groundw	kg	5.01E-12					5.01E-12
Phosphate	Water	groundw	kg	2.94E-14					2.94E-14
Polonium-210	Water	groundw	Bq	8.64E-11					8.64E-11
Potassium-40	Water	groundw	Bq	6.87E-12					6.87E-12
Potassium, ion	Water	groundw	kg	1.14E-11					1.14E-11
Radium-226	Water	groundw	Bq	6.37E-11					6.37E-11
Rubidium	Water	groundw	kg	1.16E-13					1.16E-13
Scandium	Water	groundw	kg	4.70E-15					4.70E-15
Selenium	Water	groundw	kg	1.01E-13	-9.37E-12	1.80E-13	1.10E-13		-8.98E-12
Silicon	Water	groundw	kg	9.02E-12					9.02E-12
Silver, ion	Water	groundw	kg	5.21E-15					5.21E-15
Sodium, ion	Water	groundw	kg	2.08E-11					2.08E-11
Solids, inorganic	Water	groundw	kg	3.09E-10					3.09E-10
Solved solids	Water	groundw	kg	1.75E-10					1.75E-10
Strontium	Water	groundw	kg	4.09E-12					4.09E-12
Sulfate	Water	groundw	kg	9.68E-10					9.68E-10
Thallium	Water	groundw	kg	1.01E-18					1.01E-18
Thorium-228	Water	groundw	Bq	6.96E-13					6.96E-13
Tin, ion	Water	groundw	kg	3.31E-16					3.31E-16
Titanium, ion	Water	groundw	kg	5.00E-12					5.00E-12
Tungsten	Water	groundw	kg	5.97E-14					5.97E-14
Uranium-238	Water	groundw	Bq	2.91E-11					2.91E-11
Vanadium, ion	Water	groundw	kg	2.37E-12					2.37E-12
Zinc, ion	Water	groundw	kg	9.42E-13					9.42E-13
Aluminum	Water	groundw	kg	5.48E-10					5.48E-10
Ammonium, ion	Water	groundw	kg	2.48E-13					2.48E-13
Antimony	Water	groundw	kg	4.70E-13					4.70E-13
Arsenic, ion	Water	groundw	kg	2.61E-14					2.61E-14
Barium	Water	groundw	kg	4.86E-12					4.86E-12
Beryllium	Water	groundw	kg	5.84E-14					5.84E-14
BOD5, Biological Oxygen De	Water	groundw	kg	2.49E-10					2.49E-10
Boron	Water	groundw	kg	6.27E-12					6.27E-12
Bromine	Water	groundw	kg	2.04E-13					2.04E-13
Cadmium, ion	Water	groundw	kg	3.43E-14					3.43E-14
Calcium, ion	Water	groundw	kg	1.44E-09					1.44E-09
Chloride	Water	groundw	kg	8.95E-11					8.95E-11
Chromium VI	Water	groundw	kg	1.01E-11					1.01E-11
Cobalt	Water	groundw	kg	7.14E-12					7.14E-12
COD, Chemical Oxygen Dem	Water	groundw	kg	6.83E-10					6.83E-10
Copper, ion	Water	groundw	kg	1.11E-11					1.11E-11
DOC, Dissolved Organic Carl	Water	groundw	kg	2.88E-10	-5.86E-12	2.73E-13	6.89E-14		2.82E-10
Fluoride	Water	groundw	kg	9.62E-12					9.62E-12
Heat, waste	Water	groundw	MJ	4.38E-09					4.38E-09
Hydrogen sulfide	Water	groundw	kg	1.60E-12					1.60E-12
Iodide	Water	groundw	kg	8.25E-19					8.25E-19
Iron, ion	Water	groundw	kg	2.29E-10					2.29E-10
Lead	Water	groundw	kg	6.88E-13					6.88E-13
Magnesium	Water	groundw	kg	1.72E-10					1.72E-10
Manganese	Water	groundw	kg	1.64E-11					1.64E-11
Mercury	Water	groundw	kg	6.88E-15					6.88E-15
Molybdenum	Water	groundw	kg	1.27E-14					1.27E-14
Nickel, ion	Water	groundw	kg	2.76E-11					2.76E-11
Nitrate	Water	groundw	kg	1.69E-12					1.69E-12
Nitrite	Water	groundw	kg	1.35E-14					1.35E-14
Nitrogen, organic bound	Water	groundw	kg	4.05E-13					4.05E-13
Phosphate	Water	groundw	kg	4.70E-11					4.70E-11
Potassium, ion	Water	groundw	kg	1.22E-10					1.22E-10
Scandium	Water	groundw	kg	2.27E-13					2.27E-13
Selenium	Water	groundw	kg	8.30E-14					8.30E-14

				Fin de vie					Fin de vie
				OM	OM	OM	OM	Réemploi	
				Collecte + transfert OM	Incineration avec recup energie	Incineration sans recup energie	Stockage	Transport	TOTAL
Silicon	Water	groundw	kg	1.07E-08					1.07E-08
Silver, ion	Water	groundw	kg	7.80E-16					7.80E-16
Sodium, ion	Water	groundw	kg	1.83E-10					1.83E-10
Strontium	Water	groundw	kg	6.35E-12					6.35E-12
Sulfate	Water	groundw	kg	1.01E-09					1.01E-09
Thallium	Water	groundw	kg	1.84E-14					1.84E-14
Tin, ion	Water	groundw	kg	1.32E-12					1.32E-12
Titanium, ion	Water	groundw	kg	4.53E-11					4.53E-11
TOC, Total Organic Carbon	Water	groundw	kg	2.88E-10					2.88E-10
Tungsten	Water	groundw	kg	8.78E-14					8.78E-14
Vanadium, ion	Water	groundw	kg	4.17E-12					4.17E-12
Zinc, ion	Water	groundw	kg	3.82E-12					3.82E-12
Calcium, ion	Water	lake	kg	4.02E-11					4.02E-11
DOC, Dissolved Organic Carl	Water	lake	kg	4.34E-15					4.34E-15
Acenaphthene	Water	ocean	kg	2.41E-17					2.41E-17
Acenaphthylene	Water	ocean	kg	1.51E-18					1.51E-18
Actinides, radioactive, unspe	Water	ocean	Bq	2.38E-06					2.38E-06
Aluminum	Water	ocean	kg	1.49E-12					1.49E-12
Ammonium, ion	Water	ocean	kg	3.16E-13					3.16E-13
AOX, Adsorbable Organic Ha	Water	ocean	kg	1.42E-15					1.42E-15
Arsenic, ion	Water	ocean	kg	4.62E-15	4.81E-12	3.90E-13	1.06E-12		6.26E-12
Barite	Water	ocean	kg	6.87E-11	-1.15E-08	2.33E-11	2.55E-11		-1.14E-08
Barium	Water	ocean	kg	3.37E-12	-8.23E-09	3.69E-11	3.21E-10		-7.87E-09
Benzene	Water	ocean	kg	3.19E-13	-4.52E-10	1.25E-12	1.51E-11		-4.35E-10
Benzene, ethyl-	Water	ocean	kg	9.27E-14					9.27E-14
BOD5, Biological Oxygen De	Water	ocean	kg	4.07E-10	3.27E-10	1.54E-11	5.56E-09		6.31E-09
Boron	Water	ocean	kg	3.25E-14					3.25E-14
Bromine	Water	ocean	kg	2.71E-12					2.71E-12
Cadmium, ion	Water	ocean	kg	1.66E-15					1.66E-15
Calcium, ion	Water	ocean	kg	1.46E-10					1.46E-10
Carboxylic acids, unspecified	Water	ocean	kg	2.21E-11					2.21E-11
Cesium	Water	ocean	kg	3.87E-15	-1.66E-15	1.71E-16	1.46E-14		1.70E-14
Cesium-137	Water	ocean	Bq	2.73E-04					2.73E-04
Chloride	Water	ocean	kg	1.94E-09	-2.01E-06	3.58E-08	1.72E-07		-1.80E-06
Chlorinated solvents, unspec	Water	ocean	kg	3.62E-22	-1.83E-09	3.62E-12	4.06E-12		-1.82E-09
Chromium, ion	Water	ocean	kg	2.05E-14					2.05E-14
Cobalt	Water	ocean	kg	8.24E-15					8.24E-15
COD, Chemical Oxygen Dem	Water	ocean	kg	4.10E-10					4.10E-10
Copper, ion	Water	ocean	kg	5.52E-15					5.52E-15
Cyanide	Water	ocean	kg	1.41E-14					1.41E-14
DOC, Dissolved Organic Carl	Water	ocean	kg	1.35E-10	7.69E-13	7.84E-16	9.03E-17		1.36E-10
Fluoride	Water	ocean	kg	6.67E-13					6.67E-13
Glutaraldehyde	Water	ocean	kg	8.48E-15					8.48E-15
Hydrocarbons, aliphatic, alka	Water	ocean	kg	5.02E-13					5.02E-13
Hydrocarbons, aliphatic, unsa	Water	ocean	kg	4.64E-14					4.64E-14
Hydrocarbons, aromatic	Water	ocean	kg	2.17E-12	-1.83E-09	5.42E-12	6.07E-11		-1.76E-09
Hydrocarbons, unspecified	Water	ocean	kg	1.30E-12					1.30E-12
Hydrogen-3, Tritium	Water	ocean	Bq	5.68E-01					5.68E-01
Hypochlorite	Water	ocean	kg	1.23E-12					1.23E-12
Iodide	Water	ocean	kg	3.87E-13					3.87E-13
Iron, ion	Water	ocean	kg	2.08E-13					2.08E-13
Lead	Water	ocean	kg	3.32E-14					3.32E-14
Lead-210	Water	ocean	Bq	6.70E-08					6.70E-08
Magnesium	Water	ocean	kg	2.13E-11					2.13E-11
Manganese	Water	ocean	kg	1.72E-13					1.72E-13
Mercury	Water	ocean	kg	1.28E-16					1.28E-16
Methanol	Water	ocean	kg	9.09E-14					9.09E-14
Molybdenum	Water	ocean	kg	8.11E-16					8.11E-16
Nickel, ion	Water	ocean	kg	1.10E-14	4.27E-12	8.67E-13	8.52E-13		6.00E-12
Nitrate	Water	ocean	kg	1.79E-10	-2.27E-10	9.41E-12	1.79E-10		1.39E-10
Nitrite	Water	ocean	kg	3.70E-12	-1.18E-13	1.94E-15	3.24E-16		3.58E-12
Nitrogen	Water	ocean	kg	1.81E-14	-5.77E-11	1.27E-12	4.45E-13		-5.59E-11
Nitrogen, organic bound	Water	ocean	kg	1.29E-12					1.29E-12
Oils, unspecified	Water	ocean	kg	1.26E-10					1.26E-10
PAH, polycyclic aromatic hyd	Water	ocean	kg	3.06E-14	-4.47E-11	1.54E-13	1.51E-12		-4.30E-11
Phenol	Water	ocean	kg	4.93E-13	-4.22E-10	1.23E-12	1.35E-11		-4.07E-10
Phosphate	Water	ocean	kg	1.13E-12	1.23E-10	3.73E-12	1.55E-10		2.82E-10
Phosphorus	Water	ocean	kg	1.02E-13	3.50E-15	3.43E-16			1.06E-13
Polonium-210	Water	ocean	Bq	1.02E-07					1.02E-07
Potassium-40	Water	ocean	Bq	8.10E-09					8.10E-09
Potassium, ion	Water	ocean	kg	1.64E-11	-1.52E-08	4.28E-11	5.13E-10		-1.46E-08
Radioactive species, Nuclide	Water	ocean	Bq	1.43E-03					1.43E-03
Radium-224	Water	ocean	Bq	1.94E-07					1.94E-07
Radium-226	Water	ocean	Bq	3.85E-07					3.85E-07
Radium-228	Water	ocean	Bq	3.87E-07					3.87E-07
Rubidium	Water	ocean	kg	3.87E-14	-3.40E-11	9.45E-14	1.16E-12		-3.27E-11
Selenium	Water	ocean	kg	1.22E-15					1.22E-15
Silicon	Water	ocean	kg	2.29E-15					2.29E-15
Silver, ion	Water	ocean	kg	2.32E-15					2.32E-15
Sodium, ion	Water	ocean	kg	1.19E-09					1.19E-09
Strontium	Water	ocean	kg	2.33E-11					2.33E-11
Strontium-90	Water	ocean	Bq	3.04E-05					3.04E-05
Sulfate	Water	ocean	kg	7.51E-11					7.51E-11
Sulfide	Water	ocean	kg	3.16E-13					3.16E-13
Sulfite	Water	ocean	kg	1.73E-22					1.73E-22
Sulfur	Water	ocean	kg	5.78E-14					5.78E-14
Suspended solids, unspecifie	Water	ocean	kg	2.46E-10	5.63E-13	2.39E-14			2.47E-10
t-Butyl methyl ether	Water	ocean	kg	2.57E-14					2.57E-14
Thorium-228	Water	ocean	Bq	7.74E-07					7.74E-07
Titanium, ion	Water	ocean	kg	3.64E-16					3.64E-16
TOC, Total Organic Carbon	Water	ocean	kg	1.35E-10					1.35E-10
Toluene	Water	ocean	kg	5.54E-13					5.54E-13
Tributyltin compounds	Water	ocean	kg	1.14E-13					1.14E-13
Triethylene glycol	Water	ocean	kg	8.06E-14					8.06E-14
Uranium-238	Water	ocean	Bq	3.43E-08					3.43E-08

				Fin de vie					Fin de vie
				OM Collecte + transfert OM	OM Incineration avec recup energie	OM Incineration sans recup energie	OM Stockage	Réemploi Transport	TOTAL
Vanadium, ion	Water	ocean	kg	2.43E-15					2.43E-15
VOC, volatile organic compou	Water	ocean	kg	1.35E-12					1.35E-12
Xylene	Water	ocean	kg	4.57E-13	-3.21E-09	8.90E-12	1.09E-10		-3.09E-09
Zinc, ion	Water	ocean	kg	3.58E-12	4.05E-12	1.79E-12	2.36E-11		3.31E-11
Acenaphthene	Water	river	kg	4.85E-17					4.85E-17
Acenaphthylene	Water	river	kg	3.03E-18					3.03E-18
Acetic acid	Water	river	kg	5.06E-14					5.06E-14
Acidity, unspecified	Water	river	kg	3.18E-13					3.18E-13
Aluminum	Water	river	kg	2.14E-10	2.13E-09	1.80E-10	1.19E-10		2.64E-09
Ammonium, ion	Water	river	kg	9.36E-11					9.36E-11
Antimony	Water	river	kg	2.33E-13					2.33E-13
Antimony-122	Water	river	Bq	4.52E-11					4.52E-11
Antimony-124	Water	river	Bq	3.35E-07					3.35E-07
Antimony-125	Water	river	Bq	2.46E-07					2.46E-07
AOX, Adsorbable Organic Ha	Water	river	kg	7.89E-14					7.89E-14
Arsenic, ion	Water	river	kg	3.27E-12					3.27E-12
Barium	Water	river	kg	7.90E-12					7.90E-12
Barium-140	Water	river	Bq	1.98E-10					1.98E-10
Benzene	Water	river	kg	8.41E-13					8.41E-13
Benzene, ethyl-	Water	river	kg	1.87E-13	-8.19E-11	2.27E-13	2.90E-12		-7.85E-11
Beryllium	Water	river	kg	8.48E-15					8.48E-15
BOD5, Biological Oxygen De	Water	river	kg	3.16E-09					3.16E-09
Boron	Water	river	kg	7.81E-13					7.81E-13
Bromate	Water	river	kg	6.32E-13					6.32E-13
Bromine	Water	river	kg	6.34E-12					6.34E-12
Butene	Water	river	kg	6.91E-17					6.91E-17
Cadmium, ion	Water	river	kg	6.83E-12					6.83E-12
Calcium, ion	Water	river	kg	1.35E-09					1.35E-09
Carbonate	Water	river	kg	3.39E-11	-1.28E-10	3.27E-12	1.13E-12		-9.00E-11
Carboxylic acids, unspecified	Water	river	kg	2.87E-11					2.87E-11
Cerium-141	Water	river	Bq	7.91E-11					7.91E-11
Cerium-144	Water	river	Bq	2.41E-11					2.41E-11
Cesium	Water	river	kg	7.80E-15					7.80E-15
Cesium-134	Water	river	Bq	2.44E-07					2.44E-07
Cesium-136	Water	river	Bq	1.41E-11					1.41E-11
Cesium-137	Water	river	Bq	5.02E-07					5.02E-07
Chlorate	Water	river	kg	7.42E-12					7.42E-12
Chloride	Water	river	kg	8.97E-09					8.97E-09
Chlorinated solvents, unspec	Water	river	kg	2.99E-13					2.99E-13
Chlorine	Water	river	kg	1.22E-13	1.32E-12	7.40E-16			1.44E-12
Chloroform	Water	river	kg	2.12E-22	-1.96E-15	3.89E-18	4.35E-18		-1.96E-15
Chromium-51	Water	river	Bq	9.77E-08					9.77E-08
Chromium VI	Water	river	kg	3.18E-12	3.78E-11	1.89E-12	6.59E-12		4.94E-11
Chromium, ion	Water	river	kg	7.26E-13	-7.86E-12	7.07E-14	2.01E-14		-7.04E-12
Cobalt	Water	river	kg	2.53E-14	-5.27E-13	1.19E-15	1.17E-15		-4.99E-13
Cobalt-57	Water	river	Bq	4.46E-10					4.46E-10
Cobalt-58	Water	river	Bq	1.81E-06					1.81E-06
Cobalt-60	Water	river	Bq	1.23E-06					1.23E-06
COD, Chemical Oxygen Dem	Water	river	kg	3.73E-09	-1.54E-10	1.29E-10	3.05E-08		3.42E-08
Copper, ion	Water	river	kg	1.32E-11	1.67E-11	1.05E-12	7.08E-13		3.17E-11
Cumene	Water	river	kg	4.00E-13					4.00E-13
Cyanide	Water	river	kg	3.54E-12	-1.15E-10	2.93E-13	5.29E-13		-1.10E-10
Dichromate	Water	river	kg	1.16E-12					1.16E-12
DOC, Dissolved Organic Carl	Water	river	kg	1.24E-09	-6.44E-10	1.71E-12	1.53E-12		6.04E-10
Ethane, 1,2-dichloro-	Water	river	kg	7.04E-14	-1.91E-17	3.78E-20	4.23E-20		7.04E-14
Ethene	Water	river	kg	1.75E-13					1.75E-13
Ethene, chloro-	Water	river	kg	2.30E-14	-5.25E-16	1.04E-18	3.74E-14		5.99E-14
Ethylene diamine	Water	river	kg	6.76E-18					6.76E-18
Ethylene oxide	Water	river	kg	1.22E-16					1.22E-16
Fluoride	Water	river	kg	6.17E-12	-3.16E-10	1.34E-12	2.00E-12		-3.07E-10
Fluosilicic acid	Water	river	kg	8.73E-14					8.73E-14
Formaldehyde	Water	river	kg	3.82E-15	-2.49E-17	4.93E-20	5.52E-20		3.80E-15
Heat, waste	Water	river	MJ	1.62E-06					1.62E-06
Hydrocarbons, aliphatic, alka	Water	river	kg	1.01E-12					1.01E-12
Hydrocarbons, aliphatic, unsa	Water	river	kg	9.35E-14					9.35E-14
Hydrocarbons, aromatic	Water	river	kg	4.10E-12					4.10E-12
Hydrocarbons, unspecified	Water	river	kg	3.89E-12	3.12E-11	4.04E-12	6.46E-11		1.04E-10
Hydrogen-3, Tritium	Water	river	Bq	5.33E-02					5.33E-02
Hydrogen peroxide	Water	river	kg	1.74E-15					1.74E-15
Hydrogen sulfide	Water	river	kg	3.39E-14					3.39E-14
Hydroxide	Water	river	kg	9.50E-15					9.50E-15
Hypochlorite	Water	river	kg	1.79E-12	-5.91E-13	1.14E-15	1.31E-15		1.20E-12
Iodide	Water	river	kg	7.98E-13					7.98E-13
Iodine-131	Water	river	Bq	4.47E-08					4.47E-08
Iodine-133	Water	river	Bq	1.24E-10					1.24E-10
Iron-59	Water	river	Bq	3.42E-11					3.42E-11
Iron, ion	Water	river	kg	1.19E-10					1.19E-10
Lanthanum-140	Water	river	Bq	2.11E-10					2.11E-10
Lead	Water	river	kg	5.74E-11					5.74E-11
Lead-210	Water	river	Bq	8.71E-08					8.71E-08
Magnesium	Water	river	kg	1.32E-10	-3.65E-09	2.08E-11	1.01E-10		-3.40E-09
Manganese	Water	river	kg	2.75E-11	-4.73E-10	6.07E-12	7.66E-12		-4.32E-10
Manganese-54	Water	river	Bq	1.03E-07					1.03E-07
Mercury	Water	river	kg	1.14E-13	9.16E-14	3.65E-15	2.80E-14		2.38E-13
Methane, dichloro-, HCC-30	Water	river	kg	1.59E-13					1.59E-13
Methanol	Water	river	kg	3.63E-15					3.63E-15
Molybdenum	Water	river	kg	8.48E-12					8.48E-12
Molybdenum-99	Water	river	Bq	7.27E-11					7.27E-11
Nickel, ion	Water	river	kg	2.57E-13					2.57E-13
Niobium-95	Water	river	Bq	3.77E-10					3.77E-10
Nitrate	Water	river	kg	1.08E-10					1.08E-10
Nitrite	Water	river	kg	9.68E-13					9.68E-13
Nitrogen	Water	river	kg	4.34E-11	-1.83E-09	5.13E-12	2.76E-11		-1.75E-09
Nitrogen, organic bound	Water	river	kg	1.97E-11					1.97E-11
Oils, unspecified	Water	river	kg	6.65E-10	-4.03E-09	2.53E-11	6.21E-10		-2.72E-09

				Fin de vie					Fin de vie
				OM	OM	OM	OM	Réemploi	
				Collecte + transfert OM	Incineration avec recup energie	Incineration sans recup energie	Stockage	Transport	TOTAL
PAH, polycyclic aromatic hyd	Water	river	kg	1.27E-13					1.27E-13
Paraffins	Water	river	kg	1.53E-18					1.53E-18
Phenol	Water	river	kg	6.80E-13					6.80E-13
Phosphate	Water	river	kg	4.65E-12					4.65E-12
Phosphorus	Water	river	kg	6.85E-13	-1.44E-11	3.94E-14	4.82E-13		-1.32E-11
Polonium-210	Water	river	Bq	8.71E-08					8.71E-08
Potassium-40	Water	river	Bq	1.09E-07					1.09E-07
Potassium, ion	Water	river	kg	7.34E-11					7.34E-11
Propene	Water	river	kg	1.53E-13					1.53E-13
Propylene oxide	Water	river	kg	4.92E-15					4.92E-15
Protactinium-234	Water	river	Bq	3.01E-06					3.01E-06
Radioactive species, alpha e	Water	river	Bq	2.55E-10					2.55E-10
Radioactive species, Nuclide	Water	river	Bq	5.97E-06					5.97E-06
Radium-224	Water	river	Bq	3.89E-07					3.89E-07
Radium-226	Water	river	Bq	1.88E-03					1.88E-03
Radium-228	Water	river	Bq	7.80E-07					7.80E-07
Rubidium	Water	river	kg	7.80E-14					7.80E-14
Ruthenium-103	Water	river	Bq	1.53E-11					1.53E-11
Scandium	Water	river	kg	3.54E-14					3.54E-14
Selenium	Water	river	kg	1.20E-12					1.20E-12
Silicon	Water	river	kg	2.35E-11					2.35E-11
Silver-110	Water	river	Bq	1.43E-06					1.43E-06
Silver, ion	Water	river	kg	9.53E-15	-2.04E-12	5.75E-15	6.96E-14		-1.96E-12
Sodium-24	Water	river	Bq	5.51E-10					5.51E-10
Sodium formate	Water	river	kg	3.19E-16					3.19E-16
Sodium, ion	Water	river	kg	4.47E-09	-9.74E-07	1.13E-08	3.83E-08		-9.20E-07
Solids, inorganic	Water	river	kg	1.01E-10					1.01E-10
Solved solids	Water	river	kg	6.27E-10	2.81E-10	2.15E-10			1.12E-09
Strontium	Water	river	kg	4.69E-11	-2.08E-08	5.78E-11	6.99E-10		-2.00E-08
Strontium-89	Water	river	Bq	1.31E-09					1.31E-09
Strontium-90	Water	river	Bq	7.31E-06					7.31E-06
Sulfate	Water	river	kg	1.76E-08	-2.51E-07	9.17E-09	1.98E-08		-2.05E-07
Sulfide	Water	river	kg	2.86E-13	-5.50E-11	2.51E-13	1.89E-12		-5.26E-11
Sulfite	Water	river	kg	7.95E-12	-3.23E-13	8.14E-15	2.56E-15		7.64E-12
Sulfur	Water	river	kg	2.10E-12	-5.53E-13	1.02E-14	2.81E-17		1.55E-12
Suspended solids, unspecifie	Water	river	kg	7.28E-10	-4.58E-08	4.22E-10	2.59E-09		-4.21E-08
t-Butyl methyl ether	Water	river	kg	2.95E-17					2.95E-17
Technetium-99m	Water	river	Bq	1.67E-09					1.67E-09
Tellurium-123m	Water	river	Bq	3.66E-08					3.66E-08
Tellurium-132	Water	river	Bq	4.20E-12					4.20E-12
Thallium	Water	river	kg	1.60E-14					1.60E-14
Thorium-228	Water	river	Bq	1.56E-06					1.56E-06
Thorium-230	Water	river	Bq	4.11E-04					4.11E-04
Thorium-232	Water	river	Bq	2.04E-08					2.04E-08
Thorium-234	Water	river	Bq	3.01E-06					3.01E-06
Tin, ion	Water	river	kg	1.46E-14	-3.11E-14	6.84E-16	2.40E-16		-1.56E-14
Titanium, ion	Water	river	kg	7.89E-13	-2.60E-11	1.61E-13	8.47E-14		-2.50E-11
TOC, Total Organic Carbon	Water	river	kg	1.24E-09	-3.13E-08	9.51E-11	8.75E-10		-2.91E-08
Toluene	Water	river	kg	8.90E-13	-3.75E-10	1.09E-12	1.40E-11		-3.59E-10
Tungsten	Water	river	kg	3.67E-14					3.67E-14
Uranium-234	Water	river	Bq	3.62E-06					3.62E-06
Uranium-235	Water	river	Bq	5.96E-06					5.96E-06
Uranium-238	Water	river	Bq	9.13E-06					9.13E-06
Uranium alpha	Water	river	Bq	1.74E-04					1.74E-04
Vanadium, ion	Water	river	kg	3.65E-12	-3.25E-11	6.88E-13	2.88E-13		-2.79E-11
VOC, volatile organic compo	Water	river	kg	1.03E-11	-1.19E-09	3.30E-12	4.05E-11		-1.14E-09
Xylene	Water	river	kg	7.38E-13					7.38E-13
Zinc-65	Water	river	Bq	7.45E-09					7.45E-09
Zinc, ion	Water	river	kg	5.66E-12					5.66E-12
Zirconium-95	Water	river	Bq	8.64E-11					8.64E-11
Boron	Soil		kg	7.88E-12					7.88E-12
Cadmium	Soil		kg	1.67E-16					1.67E-16
Chloride	Soil		kg	2.82E-11					2.82E-11
Chromium	Soil		kg	1.51E-15					1.51E-15
Chromium VI	Soil		kg	4.46E-11					4.46E-11
Copper	Soil		kg	2.78E-11					2.78E-11
Fluoride	Soil		kg	3.01E-11					3.01E-11
Heat, waste	Soil		MJ	9.26E-06					9.26E-06
Iron	Soil		kg	3.88E-11	-1.62E-09	3.29E-12	3.60E-12		-1.58E-09
Lead	Soil		kg	8.36E-16	-3.13E-15	2.22E-17	7.56E-18		-2.27E-15
Nickel	Soil		kg	1.34E-15					1.34E-15
Oils, biogenic	Soil		kg	7.44E-13					7.44E-13
Oils, unspecified	Soil		kg	3.79E-12	-4.42E-12	3.17E-14	1.07E-14		-5.93E-13
Sodium	Soil		kg	5.54E-14					5.54E-14
Zinc	Soil		kg	1.35E-13					1.35E-13
Aclonifen	Soil	agricultu	kg	3.29E-16					3.29E-16
Aluminum	Soil	agricultu	kg	6.00E-12	-8.12E-10	1.65E-12	1.80E-12		-8.03E-10
Antimony	Soil	agricultu	kg	7.73E-19					7.73E-19
Arsenic	Soil	agricultu	kg	1.77E-15	-3.24E-13	6.59E-16	7.19E-16		-3.21E-13
Atrazine	Soil	agricultu	kg	2.15E-17					2.15E-17
Barium	Soil	agricultu	kg	1.17E-16					1.17E-16
Bentazone	Soil	agricultu	kg	1.68E-16					1.68E-16
Boron	Soil	agricultu	kg	3.02E-17					3.02E-17
Cadmium	Soil	agricultu	kg	3.63E-15	-1.36E-16	8.84E-19	3.25E-19		3.49E-15
Calcium	Soil	agricultu	kg	7.30E-11	-3.24E-09	6.59E-12	7.19E-12		-3.16E-09
Carbetamide	Soil	agricultu	kg	7.12E-17					7.12E-17
Carbon	Soil	agricultu	kg	2.43E-11	-2.44E-09	4.95E-12	5.40E-12		-2.40E-09
Chloride	Soil	agricultu	kg	7.90E-13					7.90E-13
Chlorothalonil	Soil	agricultu	kg	1.19E-14					1.19E-14
Chromium	Soil	agricultu	kg	5.39E-14	-4.06E-12	8.25E-15	9.01E-15		-3.99E-12
Cobalt	Soil	agricultu	kg	4.91E-15	-1.37E-16	9.74E-19	3.30E-19		4.77E-15
Copper	Soil	agricultu	kg	6.08E-14	-6.85E-16	4.87E-18	1.65E-18		6.01E-14
Cypermethrin	Soil	agricultu	kg	1.89E-18					1.89E-18
Dinoseb	Soil	agricultu	kg	3.24E-15					3.24E-15
Fenpiclonil	Soil	agricultu	kg	4.79E-16					4.79E-16

				Fin de vie					Fin de vie
				OM	OM	OM	OM	Réemploi	
				Collecte + transfert OM	Incineration avec recup energie	Incineration sans recup energie	Stockage	Transport	TOTAL
Glyphosate	Soil	agricultu	kg	6.81E-16					6.81E-16
Iron	Soil	agricultu	kg	1.35E-11					1.35E-11
Lead	Soil	agricultu	kg	2.11E-14					2.11E-14
Linuron	Soil	agricultu	kg	2.55E-15					2.55E-15
Magnesium	Soil	agricultu	kg	8.25E-12					8.25E-12
Mancozeb	Soil	agricultu	kg	1.54E-14					1.54E-14
Manganese	Soil	agricultu	kg	4.95E-12	-3.24E-11	6.59E-14	7.19E-14		-2.74E-11
Mercury	Soil	agricultu	kg	1.11E-16	-2.52E-17	1.59E-19	6.00E-20		8.60E-17
Metaldehyde	Soil	agricultu	kg	1.64E-17					1.64E-17
Metolachlor	Soil	agricultu	kg	1.84E-14					1.84E-14
Metribuzin	Soil	agricultu	kg	5.45E-16					5.45E-16
Molybdenum	Soil	agricultu	kg	1.19E-15					1.19E-15
Napropamide	Soil	agricultu	kg	2.89E-17					2.89E-17
Nickel	Soil	agricultu	kg	1.64E-14	-1.03E-15	7.31E-18	2.48E-18		1.53E-14
Orbencarb	Soil	agricultu	kg	2.94E-15					2.94E-15
Phosphorus	Soil	agricultu	kg	2.42E-12	-4.06E-11	8.26E-14	9.01E-14		-3.80E-11
Pirimicarb	Soil	agricultu	kg	1.59E-17					1.59E-17
Potassium	Soil	agricultu	kg	1.35E-11					1.35E-11
Silicon	Soil	agricultu	kg	2.21E-11					2.21E-11
Silver	Soil	agricultu	kg	3.85E-17					3.85E-17
Strontium	Soil	agricultu	kg	3.79E-16					3.79E-16
Sulfur	Soil	agricultu	kg	3.18E-12	-4.87E-10	9.89E-13	1.08E-12		-4.82E-10
Tebutam	Soil	agricultu	kg	6.87E-17					6.87E-17
Teflubenzuron	Soil	agricultu	kg	3.63E-17					3.63E-17
Tin	Soil	agricultu	kg	1.16E-15					1.16E-15
Titanium	Soil	agricultu	kg	3.41E-13					3.41E-13
Vanadium	Soil	agricultu	kg	9.74E-15					9.74E-15
Zinc	Soil	agricultu	kg	4.43E-12	-1.22E-11	2.48E-14	2.70E-14		-7.71E-12
Oils, biogenic	Soil	forestry	kg	1.74E-12					1.74E-12
Oils, unspecified	Soil	forestry	kg	8.25E-10					8.25E-10
Aluminum	Soil	industria	kg	6.27E-12					6.27E-12
Arsenic	Soil	industria	kg	2.51E-15					2.51E-15
Barium	Soil	industria	kg	3.13E-12					3.13E-12
Boron	Soil	industria	kg	6.27E-14					6.27E-14
Calcium	Soil	industria	kg	2.51E-11					2.51E-11
Carbon	Soil	industria	kg	1.88E-11					1.88E-11
Chloride	Soil	industria	kg	2.19E-11					2.19E-11
Chromium	Soil	industria	kg	3.13E-14					3.13E-14
Copper	Soil	industria	kg	1.37E-15					1.37E-15
Fluoride	Soil	industria	kg	3.13E-13					3.13E-13
Glyphosate	Soil	industria	kg	2.05E-11					2.05E-11
Heat, waste	Soil	industria	MJ	2.75E-10					2.75E-10
Iron	Soil	industria	kg	1.26E-11					1.26E-11
Magnesium	Soil	industria	kg	5.01E-12					5.01E-12
Manganese	Soil	industria	kg	2.51E-13					2.51E-13
Oils, unspecified	Soil	industria	kg	2.36E-13					2.36E-13
Phosphorus	Soil	industria	kg	3.13E-13					3.13E-13
Potassium	Soil	industria	kg	2.19E-12					2.19E-12
Silicon	Soil	industria	kg	6.27E-13					6.27E-13
Sodium	Soil	industria	kg	1.26E-11					1.26E-11
Strontium	Soil	industria	kg	6.27E-14					6.27E-14
Sulfur	Soil	industria	kg	3.76E-12					3.76E-12
Zinc	Soil	industria	kg	9.40E-14					9.40E-14
Primary energy, non renewable			MJ		-6.89E-03	6.97E-05	1.03E-04		-6.72E-03
Tetrachloroethylene	Air		kg						