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PROPERTIES AND UNITS IN THE CLINICAL LABORATORY SCIENCES PART XX. PROPERTIES AND UNITS IN CLINICAL AND ENVIRONMENTAL HUMAN TOXICOLOGY

(IUPAC Technical Report)

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Properties and units in the clinical laboratory sciences Part XX. Properties and units in clinical and environmental human toxicology

(IUPAC Technical Report)

Abstract: This document describes the introduction of the concept of property in the field of clinical and environmental human toxicology for the presentation of results of clinical laboratory investigations. It follows the IFCC–IUPAC systematic terminological rules and attempts to create a common base for communication between the clinical chemist, the medical practitioner, the human toxicologist, and the environmental toxicologist.

The term designating a substance being a toxicant may be an international nonproprietary name (INN), a generic name, a registered trade name, a fantasy name, or other. This causes difficulties in the transmission of requests and reports on properties involving substances in biological fluids and environmental media to and from laboratories, to the end user, and in the collating of this information from different sources.

The document comprises a list of properties of human and environmental systems involving toxicants for use in transmitting medical laboratory data. The document recommends terms based on the format developed by the IFCC and IUPAC to facilitate interaction between disciplines and unambiguous interpretation of data, e.g., for purposes of risk interpretation. Systematic terms are presented together with a code (identified by the letters NPU) for each.

The complete CNPU Database may be found at <http://dior.imt.liu.se/cnpu/info.htm>.

Keywords: human; toxicology; environmental; property; NPU codes; clinical laboratories; units.

PREFACE

The present document is the 20th part of a series on properties and units in the clinical and environmental human toxicology laboratory sciences initiated in 1987.

The series currently comprises:

I. Syntax and semantic rules [1]
II. Kinds-of-property [2]
III. Elements (of properties) and their code values [3]
IV. Properties and their code values [4]
V. Properties and units in thrombosis and haemostasis [5]
VI. Properties and units in IOC-prohibited drugs [6]
VII. Properties and units in inborn errors of metabolism*
VIII. Properties and units in clinical microbiology [7]
IX. Properties and units in trace elements [8]
X. Properties and units in general clinical chemistry [9]

XI. Coding systems: Structure and guidelines [10]
XII. Properties and units in clinical pharmacology and toxicology [11]
XIII. Properties and units in reproduction and fertility [12]
XIV. Properties and units in tumor markers*
XV. www databases*
XVI. Properties and units in clinical allergology [13]
XVII. Properties and units for urinary calculi*
XVIII. Properties and units in clinical molecular biology [14]
XIX. Properties and units for transfusion medicine and immunohematology [15]
XX. *Properties and units in clinical and environmental human toxicology (this report)*

At the end, systematic terms, elaborated according to international standards and recommendations, should be available in the different domains of clinical laboratory sciences. The core of the series is code value strings representing concepts, that in combination delineate and define each property regardless of linguistic expression, thus avoiding errors during translation between languages.

FOREWORD

Clinical laboratory sciences are characterized by the exacting nature of the work performed and the demand for an accurate presentation of the outcome. Furthermore, the domain is transnational, international, or "global".

The adherent informatics system therefore needs to identify the findings accurately and to present them with the degree of detail required. At the same time, it has to facilitate the transfer over linguistic and cultural barriers without distortion or loss of clarity, in order to promote clear, unambiguous, meaningful, and fully informative communication between different terminologies.

The degree to which a message (such as a laboratory report) needs to be expressed in a formal, systematic language depends on the cultural, linguistic, social, or professional distance between the communicating parties. The greater the distance, the greater the need of explicit information.

Within one laboratory, local jargon terms may be used which are usually well understood between colleagues, but which would not be sufficiently widely known for communication with the outside world. Likewise, a laboratory and its local community of users, such as hospital or community physicians, may use a "local dialect" of the language of clinical laboratory sciences, which is well understood by all concerned; but when the communication possibilities are wider, even transnational, risks of serious misunderstanding arise.

SCOPE

The purpose of this document is to apply the IFCC–IUPAC recommended syntax structures for request and report and to create a systematic terminology that can be used as the basis for encoding laboratory messages in the domain of drugs which are commonly also toxicants and in the domain of naturally occurring toxicants which occur in the human environment and are analyzed in environmental media. The systematic names recommended here are primarily for the purpose of unambiguous data exchange. Their use in routine language by clinicians and laboratory practitioners is optional but encouraged.

Trace elements that may be toxic are considered here with regard to their chemical speciation as far as it can be determined.

The system "hair" here is considered only where measurements have clear toxicological or clinical value. The systems "blood" and "plasma" refer to venous blood throughout. In all "systems", "components" termed relate to that which is relevant in the sample and not to any derivatives measured.

*proposed but not continued

This document does not consider radiation toxicology, which will be covered by a separate future project.

TERMS AND DEFINITIONS

component: part of a system [16]

EXAMPLE: Dextropropoxyphene as part of a given system.

NOTE: *Component* is used in a different sense in other areas of chemistry; see IUPAC "Gold Book" [18].

differential quantity: quantity that can be subtracted from, but cannot be divided by another quantity of the same kind

EXAMPLE: Substance concentration increment of ethanol in urine (present - 6 h earlier) = 32 μmol/l.

differential scale: scale with an ordered set of possible values for quantities of a given kind that are each a product of numerical value and unit of measurement such that a given difference between values corresponds to the same difference between magnitudes of the quantities along the scale [after 18]

EXAMPLE: Celsius temperature scale.

discriminating value: property value, obtained according to a given examination procedure, that separates the values of parent systems in two disjoint sets assumed to indicate different states with stated respective probabilities of false assignments

NOTE: The terms "discrimination value", "discriminator", and " cut-off value" are used as synonyms.

drug: substance which, when absorbed into a living organism, may modify one or more of its functions [19]

NOTE: The term is generally accepted for a substance taken for a therapeutic purpose, but is also commonly used for abused substances.

kind-of-property: common defining aspect of mutually comparable properties

NOTE 1: In ENV 1614, the term "property (in a general sense)" is used as a synonym for kind-of-property.

NOTE 2: A kind-of-property may be related to nominal scale (e.g., green, blue), ordinal scale (e.g., small, large), differential scale [e.g., 10 °C (i.e., 10 °C more than an arbitrary zero)], or rational scale (length 2 or 5 m); the last three types are related to kind-of-quantity.

NOTE 3: *Kind-of-property* is defined in the IUPAC "Gold Book" [18] in different words which do not sufficiently emphasize the commonality required.

nominal property: property that can be compared for equality with another property of the same kind, but has no magnitude

EXAMPLE: Color of a component in a particular medium.

nominal scale: scale with a set of possible values for properties of a given kind that are each a word or symbol without any relation to magnitude [after 18]

EXAMPLE: Terms for analgesic substances.

NOTE: The values may be listed in any arbitrary order according to practical considerations and convention.

ordinal quantity: quantity defined by a conventional measurement procedure, for which a total ordering relation according to magnitude with other quantities of the same kind is defined, but for which no algebraic operations among those quantities are defined

EXAMPLE: Presence of a component in a given system when its absence is a possibility.

ordinal scale: scale with an ordered set of possible values for quantities of a given kind that are each a word or symbol used for ranking according to magnitude, but where differences or ratios between values have no arithmetic meaning [after 16]

EXAMPLE: Arbitrary concentration of cannabinoid in urine ("not detected"; "detected" or 0 1).

property: set of data elements (system, component, kind-of-property) common to a set of particular properties

Information about identification, time, and result is not considered [18].

EXAMPLE: Substance concentration of glucose in blood plasma.

NOTE 1: Information about identification, time, and result is not considered.

NOTE 2: The term "substance *concentration*" is a short form for amount-of-substance concentration; "amount concentration" is also used elsewhere in IUPAC [18].

quantity: attribute of a phenomenon, body, or substance that may be distinguished qualitatively and determined quantitatively [17]

rational quantity: quantity that can be divided by another quantity of the same kind

rational scale: scale with an ordered set of possible values for quantities of a given kind that are each a product of numerical value and unit of measurement such that a given ratio between values corresponds to the same ratio between magnitudes of the quantities along the scale [after 18]

EXAMPLE: 0 0,1 0,2 - - - 31 32 µmol/l for amount-of-substance concentration.

system: arbitrarily defined part of the universe, regardless of form or size [18]

EXAMPLES: A portion of urine, a portion of blood for amount-of-substance concentration.

NOTE: System is defined in the IUPAC "Gold Book" [18] in different words which do not refer to the arrangements, relationships, and processes which help to define any given system.

taxon: kind-of-property of a nominal property

EXAMPLES: Chemical species such as chromium(III) and chromium(VI) given on a nominal scale.

toxicant: material causing injury to a living organism as a result of physicochemical interaction

NOTE: Synonyms are "chemical etiologic agent", "poison", "toxic substance", "toxic chemical", and "toxic material".

unit (of measurement): particular quantity, defined and adopted by convention, with which other quanitities of the same kind are compared in order to express their magnitudes relative to that quantity. Units have conventionally assigned names and symbols [18].

unitary quantity: quantity with a magnitude expressed as a reference quantity, multiplied by a number

NOTE: "Unitary quantity" comprises "differential quantity" and "rational quantity".

STANDARDIZED REQUEST AND REPORT OF CLINICAL LABORATORY RESULTS

The parts of a request and a report are presented in Table 1. Essential for a request (Table 1) are parts 1 and 2, covering information on patient identification, time or time interval for sampling, and information on the property requested. The laboratory *report* comprises the three subdivisions 1, 2, and 3. To each element in part 2 may be added a specification as a parenthetic suffix for clarification and to avoid ambiguity. Notes may be added as part 4 with details on findings, interpretation of results, or other. Thus, the elements of the designation of a property comprise:

System(specification)—Component(specification); kind-of-property(specification)

The parts comprised in the concept of "term of property" and in the concept of "term of a result" are presented in Table 1.

Table 1 Systematic request and report.

1	Identification and time
1.1	Object or patient identification
1.2	Date and time(s) of sampling
2	Property
2.1	System(specification)
2.2	Component(specification)
2.3	Kind-of-property(specification) or kind-of-quantity(specification)
3	Property value
3.1	Equality, inequality, or other operator
3.2	Numerical value multiplied by a measurement unit (for unitary quantities) or numerical value and another type of reference (for ordinal quantities) or nominal value(for nominal properties)
3.3	Prefix of coherent measurement unit (for unitary properties)
3.4	Coherent measurement unit (for unitary properties)
4	Notes

By convention, properties and results of examinations are connected through an operator.

Essential for a *request* are parts 1 and 2, that is information on patient identification, time or time interval for sampling, and information on the property requested.

The laboratory *report* on a particular property comprises the three parts 1, 2, and 3.

To each item in part 2 may be added a specification as a parenthetic suffix for clarification, identification, and to avoid ambiguity.

Notes (part 4) relating to, for example, diagnosis, medication, hemolysis, or hardware breakdown are not included here, except when needed for the interpretation of results such as pretreatment of patient or subject or the inferred intake of toxicants from identification of metabolites in secretion or excretion. Such notes are outside the scope of this document.

Thus, the items of a term for a type of property comprise terms for: System(specification)—Component(specification); kind-of-property(specification in the form of procedural details).

All of the above are as recommended by IFCC and IUPAC [10] and by the European Prestandard ENV 1614:1995 [16].

The items of a result comprise: an operator (= < ≤ > ≥ etc.), and, when applicable, a numerical value, a prefix and a coherent unit, usually in symbolic form. This is as recommended by the European Prestandard ENV 12435:1996 [21].

EXAMPLE

subst.c. = 6 μmol/l (prefix μ: micro 10^{-6}).

(A question mark supplants the numerical value in the lists.)

Nominal and ordinal scale values carry no unit. In differential and rational scales, the unit must never be omitted in reporting results, except for the unit 1.

Modern metrology further demands that the result includes or refers to a value for a measure of uncertainty [16].

The terms for components are generally given as IUPAC names [21–24]. Otherwise, the terms for components are from the International Nonproprietary Names (INN) of WHO [25] for pharmaceutical substances (English, French, Russian, and Spanish). If not recorded in INN, preference is for trivial names [26], USAN [27], BAN [28], Martindale [29], in that sequence. For pesticides, the names are mostly ISO common names [30–36], and in exceptional cases common names from British Standards [37]. Both kinds of names are listed in the "Index of Common Names of Pesticides" available at <http://www.hclrss.demon.co.uk>. It is recommended that element names be spelled out in full as elemental symbols may not always be known by medical personnel. The oxidation state of an element is given in superscript in Roman numerals following the element symbol or as a Roman numeral in parentheses following the term, when relevant.

In addition to the full systematic term for the property, an abbreviated form is given and an example and other relevant information may also be given.

For details, see IFCC–IUPAC, "Syntax and semantic rules (Recommendations 1995)" [1].

Most toxicants are metabolized by the organism. Therefore, the component may be given as a parent compound plus relevant metabolites; often, the non-modified toxicant is hardly detectable.

STRUCTURE OF AN ENTRY [15]

The mandatory terms are given in bold, that is: the systematic term for the type of property, the unit, and the code value.

1. **Term for the system and parenthetic specification** spelled out in full, and followed by a long dash (em dash)
2. **Alphanumeric chemical prefixes of component term** (when relevant)
3. **Recommended term for component and parenthetic specification**, shifted to the left for alphabetical sorting and searching, and followed by a semicolon. The recommended names given have been adopted by the CNPU database. Where the term for the entry is not an IUPAC term, or where, although being an IUPAC term, another IUPAC term for also frequently used, the first term (in bold) in the list of "Other term(s)" is an IUPAC term. Other authorities for nomenclature used are given in item 10.
4. **Kind-of-property or kind-of-quantity and parenthetic specification**
   If the term for a property is used as a header for a set of related properties, this is indicated by "list" in the parenthesis.
5. **Measurement unit (prefix and coherent unit)** when relevant
6. Molar mass (M) or atomic mass (A) as appropriate for conversion from other units when relevant
7. Presently recommended calibrator (not given in this document)
8. Previous calibrator(s) (not given in this document)
9. Other term(s) for components with IUPAC name first in bold text if not already used in items 2 and 3 as the main heading nomenclature
10. Authority: Source of main nomenclature for items 2 and 3 if not IUPAC
11. Note(s): Chemical Abstracts Service (CAS) registry number allocated as a unique identifier of a given substance together with any further information

12. [NPUXXXXX]. Code value, intended for interlaboratory transmission between databases
13. Example in abbreviated form

In clinical chemistry, a less well defined "in-house" or a regional calibrator is often referred to and is expressed in "arbitrary unit per liter" in order to enable comparison of patient data over time and regionally. In each of these instances, further information should be given in the parenthesis to kind-of-property (item 4) as "procedure". This could be information on the calibrator used, e.g., "BCR/CRM148/149R" or it could refer to an in-house document "procedure xx" which is available on request.

In the examples given, a question mark, "?", has been used to represent a nominal property value or a numerical property value.

EXAMPLES

a. Nominal property

1. **Urine—**
3. **Amfetamine and analogue;**
4. **taxon(procedure)**
6. *M*(amfetamine) = 135.21 g/mol
10. Authority: INN
11. Note(s): CAS 300-62-9 (amfetamine); Molar mass for amfetamine; Analogues are BDB; Ephedrine;
    Fenfluramine; MBDB; Metamfetamine; 3,4-Methylenedioxyamfetamine; 3,4-Metylenedioxymetamfetamine; 3,4-Metylenedioxyethylamfetamine; Pseudoephedrine
12. **NPU08980**
13. U—Amfetamine and analogue; taxon(proc.) = ?

b. Ordinal quantity

In the actual reporting, the possible scale values should be listed in the parentheses after the kind-of-property. Not detected is here given as zero (0) and detected as one (1).

1. **Urine—**
3. **Barbiturate;**
4. **arbitrary concentration(list; 0 1; procedure)**
6. *M*(barbituric acid) = 128.09 g/mol
11. Note(s): CAS 67-52-7 (barbituric acid); Molar mass for barbituric acid
12. **NPU04826**
13. U—Barbiturate; arb.c.(list; 0 1; proc.)
    NPU01343 U—Barbital; arb.c.(0 1; proc.) = ?
    NPU04769 U—Butabarbital; arb.c(0 1; proc.) = ?
    NPU03042 U—Pentobarbital; arb.c.(0 1; proc.) = ?
    NPU03063 U—Phenobarbital; arb.c. (0 1; proc.) = ?
    NPU08677 U—Thiopental; arb.c.(0 1; proc.) = ?

c. Differential quantity (not occurring in the list of properties in this document)

1. **Urine—**
3. **Testosterone/Epitestosterone;**
4. **substance ratio increment(IOC 95; dates)**

9. Other term(s): 17β-Hydroxyandrost-4-en-3-one/17α-Hydroxyandrost-4-en-3-one
10. Authority: INN
11. Note(s): CAS 58-22-0/481-30-1
12. **NPU04402**
13. U—Testosterone/Epitestosterone; subst.ratio incr.(IOC95; 1995-03-21) = 8.3

d. Rational quantity

1. **Blood—**
3. **Acetaldehyde;**
4. **substance concentration**
5. **micromole/litre**
6. M = 44.05 g/mol
9. Other term(s): Acetic aldehyde; Ethanal; Ethyl aldehyde
11. Note(s): CAS 75-07-0
12. **NPU01005**
13. B—Acetaldehyde; subst.c. = ? µmol/l

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34. BSI British Standard BS 1831-1:1985.

INDEX OF ABBREVIATIONS AND ACRONYMS

ACGIH	American Conference of Governmental Industrial Hygienists
amb	ambient
arb.c.	arbitrary concentration
B	blood
BAN	British approved name
BCR	Community Bureau of Reference (Bureau Communitaire de Référence)
CAS	Chemical Abstracts Service
C-BGE	Committee on Blood, Gas, and Electrolytes
CEN	European Committee for Standardization (Comité Européen de Normalisation)
C-NPU	Commission on Nomenclature, Properties and Units
ENV	European Prestandard
EU	European Union
IFCC	International Federation of Clinical Chemistry and Laboratory Medicine
INN	International Nonproprietary Names of WHO (approved)
*INN	International Nonproprietary Names of WHO (for name to be approved)
IRMM	Institute for Reference Materials and Measurements
ISO	International Standards Organization
IUPAC	International Union of Pure and Applied Chemistry
JRC	Joint Research Centre (EU)
L:D	length:diameter (aspect ratio)
NPU	Nomenclature, Properties and Units
P	plasma
P(aB)	plasma (arterial blood)
PIN	preferred IUPAC nomenclature
PNOR	particulates not otherwise regulated
PNOS	particulates not otherwise specified
subst.c.	substance concentration
U	urine
USAN	United States adopted name
WHO	World Health Organization

LIST OF PROPERTIES IN CLINICAL AND ENVIRONMENTAL HUMAN TOXICOLOGY

In this list, properties for each substance are listed alphabetically according to the first component term in the CNPU database. The first component term is normally the IUPAC name or the ISO name, but sometimes a name which is the most widely used in clinical chemistry has been chosen. Where the first component term for the entry in the list of properties is an IUPAC name, no further authority is given. Where the first component term in the entry is not an IUPAC name, or although it is an IUPAC name, another IUPAC name is also frequently used, the first name (in bold) in the list of "Other term(s)" is an IUPAC name. The other names in this list are in alphabetical order, are not necessarily comprehensive, and are given without any suggestion of approval, in order to facilitate identification of substances referred to by these names in certain circumstances. The NPU codes given include new codes given to properties relating to trace elements where the speciation of the elements has been described more fully than in the previous publication cited as ref. [8] above.

Air(ambient)—
Acetaldehyde;
substance concentration
millimole/cubic metre
M = 44.05 g/mol
Other term(s): Acetic aldehyde; Ethanal; Ethyl aldehyde
Note(s): CAS 75-07-0
NPU16486
Air(amb)—Acetaldehyde; subst.c. = ? mmol/m^3

Blood—
Acetaldehyde;
substance concentration
micromole/litre
M = 44.05 g/mol
Other term(s): Acetic aldehyde; Ethanal; Ethyl aldehyde
Note(s): CAS 75-07-0
NPU01005
B—Acetaldehyde; subst.c. = ? μmol/l

Urine—
Acetaldehyde;
substance concentration
micromole/litre
M = 44.05 g/mol
Other term(s): Acetic aldehyde; Ethanal; Ethyl aldehyde
Note(s): CAS 75-07-0
NPU01006
U—Acetaldehyde; subst.c. = ? μmol/l

Water(drinking)—
Acetaldehyde;
substance concentration
micromole/litre
M = 44.05 g/mol
Other term(s): Acetic aldehyde; Ethanal; Ethyl aldehyde
Note(s): CAS 75-07-0
NPU16487
Water(drinking)—Acetaldehyde; subst.c. = ? μmol/l

Air(ambient)—
Acetone;
substance concentration
millimole/cubic metre
M = 58.08 g/mol
Other term(s): **Propan-2-one**; Dimethyl ketone; Ketone propane; 2-Propanone
Note(s): CAS 67-64-1
NPU16488
Air(amb)—Acetone; subst.c. = ? mmol/m^3

Blood—
Acetone;
substance concentration
micromole/litre
M = 58.08 g/mol
Other term(s): **Propan-2-one**; Dimethyl ketone; Ketone propane; 2-Propanone
Note(s): CAS 67-64-1
NPU16489
B—Acetone; subst.c. = ? μmol/l

Urine—
Acetone;
substance concentration
micromole/litre
M = 58.08 g/mol
Other term(s): **Propan-2-one**; Dimethyl ketone; Ketone propane; 2-Propanone
Note(s): CAS 67-64-1
NPU16490
U—Acetone; subst.c. = ? μmol/l

Water(drinking)—
Acetone;
substance concentration
micromole/litre
M = 58.08 g/mol
Other term(s): **Propan-2-one**; Dimethyl ketone; Ketone propane; 2-Propanone

Note(s): CAS 67-64-1
NPU16491
Water(drinking)—Acetone; subst.c. = ? μmol/l

Air(ambient)—
Acetonitrile;
substance concentration
millimole/cubic metre
M = 41.05 g/mol
Other term(s): Cyanomethane; Ethyl nitrile; Methyl cyanide
Note(s): CAS 75-05-8
NPU16492
Air(amb)—Acetonitrile; subst.c. = ? mmol/m^3

Water(drinking)—
Acetonitrile;
substance concentration
micromole/litre
M = 41.05 g/mol
Other term(s): Cyanomethane; Ethanenitrile; Ethyl nitrile; Methyl cyanide
Note(s): CAS 75-05-8
NPU16493
Water(drinking)—Acetonitrile; subst.c. = ? μmol/l

Urine—
6-*O*-
Acetylmorphine;
substance concentration
micromole/litre
M = 343.39 g/mol
Other term(s): Acetyl morphine; MAM; Monoacetyl morphine
Authority: INN
Note(s): CAS 2784-73-8
NPU16494
Urine—6-*O*-Acetylmorphine; subst.c. = μmol/l

Air(ambient)—
Acrolein;
substance concentration
millimole/cubic metre
M = 56.06 g/mol
Other term(s): **Prop-2-enal**; Acraldehyde; Acrylaldehyde; Acrylic aldehyde; Allyl aldehyde; Propenal
Note(s): CAS 107-02-08
NPU16495
Air(amb)—Acrolein; subst.c. = ? mmol/m^3

Water(drinking)
Acrolein;
substance concentration
micromole/litre
M = 56.06 g/mol
Other term(s): **Prop-2-enal**; Acraldehyde; Acrylaldehyde; Acrylic aldehyde; Allyl aldehyde; Propenal
Note(s): CAS 107-02-08
NPU16496
Water(drinking)—Acrolein; subst.c. = ? μmol/l

Air(ambient)—
Acrylamide;
substance concentration
millimole/cubic metre
M = 71.08 g/mol
Other term(s): **Prop-2-enamide**; Acrylamide monomer; Acrylic amide; 2-Propenamide
Note(s): CAS 79-06-1
NPU16497
Air(amb)—Acrylamide; subst.c. = ? mmol/m^3

Plasma—
Acrylamide;
substance concentration
micromole/litre
M = 71.08 g/mol
Other term(s): **Prop-2-enamide**; Acrylamide monomer; Acrylic amide; 2-Propenamide
Note(s): CAS 79-06-1
NPU16886
P—Acrylamide; subst.c. = ? μmol/l

Urine—
Acrylamide;
substance concentration
micromole/litre
M = 71.08 g/mol
Other term(s): **Prop-2-enamide**; Acrylamide monomer; Acrylic amide; 2-Propenamide
Note(s): CAS 79-06-1
NPU16498
U—Acrylamide; subst.c. = ? μmol/l

Water(drinking)—
Acrylamide;
substance concentration
micromole/litre
M = 71.08 g/mol
Other term(s): **Prop-2-enamide**; Acrylamide monomer; Acrylic amide; 2-Propenamide
Note(s): CAS 79-06-1
NPU16499
Water(drinking)—Acrylamide; subst.c. = ? μmol/l

Air(ambient)—
Acrylate;
substance concentration
millimole/cubic metre
M(acrylic acid) = 71.06 g/mol
Other term(s): **Prop-2-enoate**; Acroleate; Aqueous acrylate; Ethylenecarboxylate; 2-Propenoate
Note(s): CAS 79-10-7 (acrylic acid)
NPU16500
Air(amb)—Acrylate; subst.c. = ? mmol/m^3

Water(drinking)—
Acrylate;
substance concentration
micromole/litre
M(acrylic acid) = 71.06 g/mol
Other term(s): **Prop-2-enoate**; Acroleate; Aqueous acrylate; Ethylenecarboxylate; 2-Propenoate
Note(s): CAS 79-10-7 (acrylic acid)
NPU16501
Water(drinking)—Acrylate; subst.c. = ? μmol/l

Air(ambient)—
Acrylonitrile;
substance concentration
millimole/cubic metre
M = 53.06 g/mol
Other term(s): **Prop-2-enenitrile**; Acrylonitrile monomer; AN; Cyanoethylene; 2-Propenenitrile; VCN; Vinyl cyanide
Note(s): CAS 107-13-1
NPU16502
Air(amb)—Acrylonitrile; subst.c. = ? mmol/m^3

Water(drinking)—
Acrylonitrile;
substance concentration
micromole/litre
M = 53.06 g/mol
Other term(s): **Prop-2-enenitrile**; Acrylonitrile monomer; AN; Cyanoethylene; 2-Propenenitrile; VCN; Vinyl cyanide
Note(s): CAS 107-13-1
NPU16503
Air(amb)—Acrylonitrile; subst.c. = ? μmol/l

Food(specification)—
Aflatoxin B_1;
substance content
nmole/kilogram
M = 312.28 g/mol
Other term(s): **(6a*R*,9a*S*)-4-methoxy-2,3,6a,9a-tetrahydrocyclopenta[*c*]furo[3',2':4,5]furo[2,3-*h*]chromene-1,11-dione**
Note(s): CAS 1162-65-8
NPU16504
Food(specification)—Aflatoxin B_1; subst.cont. = ? nmol/kg

Food(specification)—
Aflatoxin B_2;
substance content
nmole/kilogram
M = 314.08 g/mol
Other term(s): **(6a*R*,9a*S*)-4-methoxy-2,3,6a,8,9,9a-hexahydrocyclopenta[*c*]furo[3',2':4,5]furo[2,3-*h*]chromene-1,11-dione**
Note(s): CAS 7220-81-7
NPU16505
Food(specification)—Aflatoxin B_2; subst.cont.= ? nmol/kg

Food(specification)—
Aldicarb;
substance content
micromole/kilogram
M = 190.27 g/mol
Other term(s): **(*EZ*)-2-Methyl-2-(methylsulfanyl)propionaldehyde *O*-(methylcarbamoyl)oxime**; (*EZ*)-2-Methyl-2-(methylthio)propionaldehyde *O*-(methylcarbamoyl)oxime
Authority: ISO
Note(s): CAS 116-06-3
NPU16506
Food(specification)—Aldicarb; subst.cont. = ? μmol/kg

Water(drinking)—
Aldicarb;
substance concentration
micromole/litre
M = 190.27 g/mol
Other term(s): **(*EZ*)-2-Methyl-2-(methylsulfanyl)propionaldehyde *O*-(methylcarbamoyl)oxime**; (*EZ*)-2-Methyl-2-(methylthio)propionaldehyde *O*-(methylcarbamoyl)oxime
Authority: ISO
Note(s): CAS 116-06-3
NPU16507
Water(drinking)—Aldicarb; subst.c. = ? μmol/l

Air(ambient)—
Aldrin;
substance concentration
millimole/cubic metre
M = 364.92 g/mol
Other term(s): **(1*R*,4*S*,4a*S*,5*S*,8*R*,8a*R*)-1,2,3,4,10,10-hexachloro-1,4,4a,5,8,8a-hexahydro-1,4:5,8-dimethanonaphthalene**; Aldrine; Compound 118; HHDN; Octalene
Authority: ISO
Note(s): CAS 309-00-2
NPU16508
Air(amb)—Aldrin; subst.c. = ? mmol/m^3

Blood—
Aldrin;
substance concentration
micromole/litre
M = 364.92 g/mol
Other term(s): **(1*R*,4*S*,4a*S*,5*S*,8*R*,8a*R*)-1,2,3,4,10,10-hexachloro-1,4,4a,5,8,8a-hexahydro-1,4:5,8-dimethanonaphthalene**; Aldrine; Compound 118; HHDN; Octalene
Authority: ISO
Note(s): CAS 309-00-2

NPU16509
Blood—Aldrin; subst.c. = ? μmol/l

Food(specification)—
Aldrin;
substance content
micromole/kg
M = 364.92 g/mol
Other term(s): **(1*R*,4*S*,4a*S*,5*S*,8*R*,8a*R*)-1,2,3,4,10,10-hexachloro-1,4,4a,5,8,8a-hexahydro-1,4:5,8-dimethanonaphthalene**; Aldrine; Compound 118; HHDN; Octalene
Authority: ISO
Note(s): CAS 309-00-2
NPU16510
Food(specification)—Aldrin; subst.cont. = ? μmol/kg

Water(drinking)
Aldrin;
substance concentration
micromole/litre
M = 364.92 g/mol
Other term(s): **(1*R*,4*S*,4a*S*,5*S*,8*R*,8a*R*)-1,2,3,4,10,10-hexachloro-1,4,4a,5,8,8a-hexahydro-1,4:5,8-dimethanonaphthalene**; Aldrine; Compound 118; HHDN; Octalene
Authority: ISO
Note(s): CAS 309-00-2
NPU16511
Water(drinking)—Aldrin; subst.c. = ? μmol/l

Air(ambient)—
Allethrin;
substance concentraton
millimole/cubic metre
M = 302.40 g/mol
Other term(s): **(*RS*)-3-Allyl-2-methyl-4-oxocyclopent-2-enyl (1*R*,3*R*;1*R*,3*S*)-2,2-dimethyl-3-(2-methylprop-1-en-1-yl)cyclopropane-1-carboxylate**; Alethrin I; Bioallethrin; Depallethrin
Authority: ISO
Note(s): CAS 584-79-2
NPU16512
Air(amb)—Allethrin; subst.c. = ? mmol/m^3

Food(specification)
Allethrin;
substance content
micromole/kg
M = 302.40 g/mol
Other term(s): **(*RS*)-3-Allyl-2-methyl-4-oxocyclopent-2-enyl (1*R*,3*R*;1*R*,3*S*)-2,2-dimethyl-3-(2-methylprop-1-en-1-yl)cyclopropane-1-carboxylate**; Alethrin I; Bioallethrin; Depallethrin
Authority: ISO
Note(s): CAS 584-79-2
NPU16513
Food(specification)—Allethrin; subst.cont. = ? μmol/kg

Water(drinking)—
Allethrin;
substance concentraton
micromole/litre
M = 302.40 g/mol
Other term(s): **(*RS*)-3-Allyl-2-methyl-4-oxocyclopent-2-enyl (1*R*,3*R*;1*R*,3*S*)-2,2-dimethyl-3-(2-methylprop-1-en-1-yl)cyclopropane-1-carboxylate**; Alethrin I; Bioallethrin; Depallethrin
Authority: ISO
Note(s): CAS 584-79-2
NPU16514
Water(drinking)—Allethrin; subst.c. = ? μmol/l

Air(ambient)—
Aluminium(0 and III);
substance concentration
millimole/cubic metre
A = 26,98 g/mol
Other term(s): Aluminium(total)
Note(s): CAS 7429-90-5 (element); Atomic mass for elemental aluminium
NPU16515
Air(amb)—Aluminium(0 and III); subst.c. = ? mmol/m^3

Cells(blood)—
Aluminium(III);
substance content
micromole/kilogram
A = 26.98 g/mol
Other term(s): Aluminium(total)
Note(s): CAS 7429-90-5 (element); Atomic mass for elemental aluminium
NPU01155
Cells(B)—Aluminium(III); subst.cont. = ? μmol/kg

Plasma—
Aluminium(III);
substance concentration
micromole/litre
A = 26.98 g/mol
Other term(s): Aluminium(total)
Note(s): CAS 7429-90-5 (element); Atomic mass for elemental aluminium
NPU16892
P—Aluminium(III); subst.c. = ? μmol/l

Urine—
Aluminium(III);
substance concentration
micromole/litre
A = 26.98 g/mol
Other term(s): Aluminium(total)
Note(s): CAS 7429-90-5 (element); Atomic mass for elemental aluminium

NPU16893
U—Aluminium(III); subst.c. = ? μmol/l

Water(drinking)—Aluminium(III);
substance concentration
micromole/litre
A = 26.98 g/mol
Other term(s): Aluminium(total)
Note(s): CAS 7429-90-5 (element); Atomic mass for elemental aluminium
NPU16516
Water(drinking)—Aluminium(III); subst.c. = ? μmol/l

Plasma—alpha-Amanitin;
substance concentration
micromole/litre
M = 918.98 g/mol
Authority: INN
Note(s): CAS 23109-05-9
NPU16517
P—alpha-Amanitin; subst.c. = ? μmol/l

Urine—alpha-Amanitin;
substance concentration
micromole/litre
M = 918.98 g/mol
Authority: INN
Note(s): CAS 23109-05-9
NPU16518
U—alpha-Amanitin; subst.c. = ? μmol/l

Plasma—beta-Amanitin;
substance concentration
micromole/litre
M = 919.97 g/mol
Authority: INN
Note(s): CAS 13567-07-2; 21150-22-1
NPU16519
P—beta-Amanitin; subst.c. = ? μmol/l

Urine—beta-Amanitin;
substance concentration
micromole/litre
M = 919.97 g/mol
Authority: INN
Note(s): CAS 13567-07-2; 21150-22-1
NPU16520
U—beta-Amanitin; subst.c. = ? μmol/l

Plasma—gamma-Amanitin;
substance concentration
micromole/litre
M = 902.98 g/mol
Authority: INN
Note(s): CAS 13567-11-8; 21150-23-2
NPU16521
S—gamma-Amanitin; subst.c. = ? μmol/l

Urine—gamma-Amanitin;
substance concentration
micromole/litre
M = 902.98 g/mol
Authority: INN
Note(s): CAS 13567-11-8; 21150-23-2
NPU16522
U—gamma-Amanitin; subst.c. = ? μmol/l

Urine—DL-Amfetamine;
arbitrary concentration(0 1; procedure)
M = 135.21 g/mol
Other term(s): **(*RS*)-1-Phenylpropan-2-amine**; Actedron; Adipan; Allodene; β-aminopropylbenzene; Amphetamine; Durophet; Elastonon; Isoamyne; Isomyn; Mecodrin; DL-α-Methylphenethylamine; Norephedrane; Novydrine; Ortedrine; Phenedrine; 1-Phenyl-2-aminopropane; (Phenylisopropyl)amine; Profamina; Propisamine; Psychedrine; Sympamine; Sympatedrin; Sympatedrine
Authority: INN
Note(s): CAS 300-62-9
NPU01163
U—DL-Amfetamine; arb.c.(0 1; proc.) = ?

Urine—DL-Amfetamine;
substance concentration
micromole/litre
M = 135.21 g/mol
Other term(s): **(*RS*)-1-Phenylpropan-2-amine**; Actedron; Adipan; Allodene; β-aminopropylbenzene; Amphetamine; Durophet; Elastonon; Isoamyne; Isomyn; Mecodrin; DL-α-methylphenethylamine; Norephedrane; Novydrine; Ortedrine; Phenedrine; 1-Phenyl-2-aminopropane; (Phenylisopropyl)amine; Profamina; Propisamine; Psychedrine; Sympamine; Sympatedrin; Sympatedrine
Authority: INN
Note(s): CAS 300-62-9
NPU01166
U—DL-Amfetamine; subst.c. = ? μmol/l

Urine—
Amfetamine and analogue;
arbitrary concentration(0 1; procedure)
M(Amfetamine) = 135.21 g/mol
Authority: INN
Note(s): CAS 300-62-9 (amfetamine); Analogues are BDB; Ephedrine; Fenfluramine; MBDB; Metamfetamine; 3,4-Methylenedioxyamfetamine; 3,4-Metylenedioxymetamfetamine; 3,4-Metylenedioxyethylamfetamine; Pseudoephedrine
NPU08960
U—Amfetamine and analogue; arb.c.(0 1; proc.) = ?

Urine—
Amfetamine and analogue;
taxon(procedure)
M(Amfetamine) = 135.21 g/mol
Authority: INN
Note(s): CAS 300-62-9 (amfetamine); Analogues are BDB; Ephedrine; Fenfluramine; MBDB; Metamfetamine; 3,4-Methylenedioxyamfetamine; 3,4-Metylenedioxymetamfetamine; 3,4-Metylenedioxyethylamfetamine; Pseudoephedrine
NPU08980
U—Amfetamine and analogue; taxon(proc.) = ?

Urine—
Amfetaminil;
arbitrary concentration(0 1; procedure)
M = 250.34 g/mol
Other term(s): **2-Phenyl-2-(1-phenylpropan-2-ylamino)acetonitrile**; Amphetaminil; *N*-(α-Methylphenethyl)-2-phenylglycinylnitrile
Authority: INN
Note(s): CAS 17590-01-1
NPU04913
U—Amfetaminil; arb.c.(0 1; proc.) = ?

Urine—
Amfetaminil;
substance concentration micromole/litre
M = 250.34 g/mol
Other term(s): **2-Phenyl-2-(1-phenylpropan-2-ylamino)acetonitrile**; Amphetaminil; *N*-(α-Methylphenethyl)-2-phenylglycinylnitrile
Authority: INN
Note(s): CAS 17590-01-1
NPU01169
U—Amfetaminil; subst.c. = ? μmol/l

Air(ambient)—
Amitrole;
substance concentration micromole/cubic metre
M = 84.08 g/mol
Other term(s): **1*H*-1,2,4-triazol-3-amine**; Aminotriazole
Authority: ISO
Note(s): CAS 61-82-5
NPU16524
Air(amb)—Amitrole; subst.c. = ? mmol/m^3

Food(specification)—
Amitrole;
substance content micromole/kg
M = 84.08 g/mol
Other term(s): **1*H*-1,2,4-triazol-3-amine**; Aminotriazole
Authority: ISO
Note(s): CAS 61-82-5
NPU16525
Food(specification)—Amitrole: subst.cont. = ? μmol/kg

Urine—
Amitrole;
substance concentration nanomole/litre
M = 84.08 g/mol
Other term(s): **1*H*-1,2,4-triazol-3-amine**; Aminotriazole
Authority: ISO
Note(s): CAS 61-82-5
NPU16523
U—Amitrole; subst.c. = ? nmol/l

Water(drinking)—
Amitrole;
substance concentration micromole/litre
M = 84.08 g/mol
Other term(s): **1*H*-1,2,4-triazol-3-amine**; Aminotriazole
Authority: ISO
Note(s): CAS 61-82-5
NPU16526
Water(drinking)—Amitrole; subst.c. = ? μmol/l

Air(ambient)—
Ammonia;
substance concentration millimole/cubic metre
M = 17.04 g/mol
Note(s): CAS 7664-41-7
NPU16527
Air(amb)—Ammonia; subst.c. = ? mmol/m^3

Plasma—
Ammonium;
substance concentration micromole/litre
M = 18.04 g/mol
Note(s): CAS 7664-41-7 (ammonia)

NPU03928
P—Ammonium; subst.c. = ? μmol/l

Plasma(arterial blood)—
Ammonium;
substance concentration
micromole/litre
M = 18.04 g/mol
Note(s): CAS 7664-41-7 (ammonia)
NPU01226
P(aB)—Ammonium; subst.c. = ? μmol/l

Urine—
Ammonium;
substance concentration
micromole/litre
M = 18.04 g/mol
Note(s): CAS 7664-41-7 (ammonia)
NPU01227
U—Ammonium; subst.c. = ? μmol/l

Water(drinking)—
Ammonium;
substance concentration
micromole/litre
M = 18.04 g/mol
Note(s): CAS 7664-41-7 (ammonia)
NPU16528
Water(drinking)—Ammonium; subst.c. = ? μmol/l

Air(ambient)—
Antimony(0, III and V);
substance concentration
micromole/cubic metre
A = 121.75 g/mol
Other term(s): Antimony(total)
Note(s): CAS 7440-36-0 (element); Atomic mass for elemental antimony
NPU16529
Air(amb)—Antimony(0,III and V); subst.c. = ? μmol/m^3

Blood—
Antimony(III and V);
substance concentration
nanomole/litre
A = 121.75 g/mol
Other term(s): Antimony(total)
Note(s): CAS 7440-36-0 (element); Atomic mass for elemental antimony
NPU16894
B—Antimony(III and V); subst.c. = ? nmol/l

Plasma—
Antimony(III and V);
substance concentration
nanomole/litre
A = 121.75 g/mol
Other term(s): Antimony(total)
Note(s): CAS 7440-36-0 (element); Atomic mass for elemental antimony
NPU01274
P—Antimony(III and V); subst.c. = ? nmol/l

Urine—
Antimony(III and V);
substance concentration
nanomole/litre
A = 121.75 g/mol
Other term(s): Antimony(total)
Note(s): CAS 7440-36-0 (element); Atomic mass for elemental antimony
NPU16530
U—Antimony(III and V); subst.c. = ? nmol/l

Water(drinking)—
Antimony(III and V);
substance concentration
nanomole/litre
A = 121.75 g/mol
Other term(s): Antimony(total)
Note(s): CAS 7440-36-0 (element); Atomic mass for elemental antimony
NPU16531
Water(drinking)—Antimony(III and V); subst.c. = ? nmol/l

Air(ambient)—
Antimony trihydride;
substance concentration
micromole/cubic metre
M = 124.78 g/mol
Other term(s): Antimony hydride; Hydrogen antimonide; Stibine
Note(s): CAS 7803-52-3
NPU16825
Air(amb)—Antimony trihydride; subst.c. = ? μmol/m^3

Water(drinking)—
Antimony trihydride;
substance concentration
nanomole/litre
M = 124.78 g/mol
Other term(s): Antimony hydride; Hydogen antimonide; Stibine
Note(s): CAS 7803-52-3
NPU16826
Water(drinking)—Antimony trihydride; subst.c. = ? nmol/l

Air(ambient)—
Arsenic((III and V) inorganic and organically bound);
substance concentration
micromole/cubic metre
A = 74.92 g/mol
Other term(s): Arsenic (total)

Note(s): CAS 7440-38-2 (element); Atomic mass for elemental arsenic
NPU16532
Air(amb)—Arsenic((III and V) inorganic and organically bound); subst.c. = ? μmol/m^3

Blood—
Arsenic((III and V) inorganic and organically bound); substance concentration nanomole/litre
A = 74.92 g/mol
Other term(s): Arsenic(total)
Note(s): CAS 7440-38-2 (element); Atomic mass for elemental arsenic
NPU16896
B—Arsenic(III and V, inorganic and organically bound); subst.c. = ? nmol/l

Cells(blood)—
Arsenic((III and V) inorganic and organically bound); substance content nanomole/kilogram
A = 74.92 g/mol
Other term(s): Arsenic(total)
Note(s): CAS 7440-38-2 (element); Atomic mass for elemental arsenic
NPU16946
Cells(b)—Arsenic((III and V) inorganic and organically bound); subst.cont. = ? nmol/kg

Hair—
Arsenic((III and V) inorganic and organically bound); substance content micromole/kilogram
A = 74.92 g/mol
Other term(s): Arsenic(total)
Note(s): CAS 7440-38-2 (element); Atomic mass for elemental arsenic
NPU16897
Hair—Arsenic((III and V) inorganic and organically bound); subst.cont. = ? μmol/kg

Plasma—
Arsenic((III and V) inorganic and organically bound); substance concentration nanomole/litre
A = 74.92 g/mol
Other term(s): Arsenic(total)
Note(s): CAS 7440-38-2 (element); Atomic mass for elemental arsenic
NPU16955
P—Arsenic((III and V) inorganic and organically bound); subst.c. = ? nmol/l

Urine—
Arsenic((III and V) inorganic and organically bound); substance concentration nanomole/litre
A = 74.92 g/mol
Other term(s): Arsenic(total)
Note(s): CAS 7440-38-2 (element); Atomic mass for elemental arsenic
NPU16898
U—Arsenic((III and V) inorganic and organically bound); subst.c. = ? nmol/l

Water(drinking)—
Arsenic((III and V) inorganic and organically bound); substance concentration nanomole/litre
A = 74.92 g/mol
Other term(s): Arsenic(total)
Note(s): CAS 7440-38-2 (element); Atomic mass for elemental arsenic
NPU16533
Water(drinking)—Arsenic((III and V) inorganic and organically bound); subst.c. = ? nmol/l

Air(ambient)—
Arsine; substance concentration micromole/cubic metre
M = 77.95 g/mol
Other term(s): Arsenic hydride; Arsenic trihydride; Hydrogen arsenide
Authority: ISO
Note(s): CAS 7784-42-1
NPU16534
Air(amb)—Arsine; subst.c. = ? μmol/m^3

Air(ambient)—
Asbestos fibres(length >5 μm, aspect ratio(L:D) ≥ 3:1); number concentration(procedure) reciprocal cubic metre
Note(s): CAS 1332-21-4; Types of asbestos include Actinolite; Amosite (Cummingtonite-Grunerite); Anthophyllite; Chrysotile; Crocidolite (Riebeckite); Tremolite
NPU16535
Air(amb)—Asbestos fibres(length > 5 μm, aspect ratio(L:D) ≥ 3:1); number conc.(proc.) = ? m^{-3}

Fluid (alveolar)—
Asbestos fibres(length > 5 μm, aspect ratio(L:D) ≥ 3:1); number concentration(procedure) reciprocal litre
Note(s): CAS 1332-21-4; Types of asbestos include Actinolite; Amosite (Cummingtonite-Grunerite); Anthophyllite; Chrysotile; Crocidolite (Riebeckite); Tremolite

NPU16536
Fluid(alv)—Asbestos fibres(length > 5 μm, aspect ratio(L:D) ≥ 3:1); number conc.(proc.) = ? l^{-1}

Plasma—
Barbiturate;
substance concentration(list)
M(barbituric acid) = 128.09 g/mol
Authority: INN
Note(s): CAS 67-52-7 (barbituric acid); Molar mass for barbituric acid
NPU16396
P—Barbiturate; subst.c.(list)
NPU16400 P—Barbital; subst.c. = ? nmol/l
NPU10139 P—Barbital; subst.c. = ? mmol/l
NPU03954 P—Pentobarbital; subst.c. = ? mmol/l
NPU16394 P—Pentobarbital; subst.c. = ? nmol/l
NPU03062 P—Phenobarbital; subst.c. = ? mmol/l
NPU16390 P—Phenobarbital; subst.c. = ? nmol/l

Plasma—
Barbiturate;
taxon(list; procedure)
M(barbituric acid) = 128.09 g/mol
Authority: INN
Note(s): CAS 67-52-7 (barbituric acid); Molar mass for barbituric acid
NPU01345
P—Barbiturate; taxon(list; proc.) = ?

Urine—
Barbiturate;
arbitrary concentration(list; 0 1; procedure)
M(barbituric acid) = 128.09 g/mol
Authority: INN
Note(s): CAS 67-52-7 (barbituric acid); Molar mass for barbituric acid
NPU04826
U—Barbiturate; arb.c.(list; 0 1; proc.)
NPU01343 U—Barbital; arb.c.(0 1; proc.) = ?
NPU04769 U—Butabarbital; arb.c(0 1; proc.) = ?
NPU03042 U—Pentobarbital; arb.c.(0 1; proc.) = ?
NPU03063 U—Phenobarbital; arb.c. (0 1; proc.) = ?
NPU08677 U—Thiopental; arb.c.(0 1; proc.) = ?

Urine—
Barbiturate;
taxon(list; procedure)
M(barbituric acid) = 128.09 g/mol
Authority: INN
Note(s): CAS 67-52-7 (barbituric acid); Molar mass for barbituric acid
NPU04588
U—Barbiturate; taxon(list; proc.) = ?

Plasma—
Barbiturates;
arbitrary concentration(0 1; procedure)
M(barbituric acid) = 128.09 g/mol
Authority: INN
Note(s): CAS 67-52-7 (barbituric acid); Molar mass for barbituric acid; e.g., Alphenal; Amobarbital; Aprobarbital; Barbital; Butabarbital; Cyclopentobarbital; 5-Ethyl-5-(4-hydroxyphenyl) barbiturate; Pentobarbital; Phenobarbital; Secobarbital; Talbutal; Thiopental
NPU16395
P—Barbiturates; arb.c.(0 1; proc.) = ?

Plasma—
Barbiturates;
substance concentration micromole/litre
M(barbituric acid) = 128.09 g/mol
Authority: INN
Note(s): CAS 67-52-7 (barbituric acid); Molar mass for barbituric acid; e.g., Alphenal; Amobarbital; Aprobarbital; Barbital; Butabarbital; Cyclopentobarbital; 5-Ethyl-5-(4-hydroxyphenyl) barbiturate; Pentobarbital; Phenobarbital; Secobarbital; Talbutal; Thiopental
NPU01344
P—Barbiturates; subst.c. = ? μmol/l

Urine—
Barbiturates;
arbitrary concentration(0 1; procedure)
M(barbituric acid) = 128.09 g/mol
Authority: INN
Note(s): CAS 67-52-7 (barbituric acid); Molar mass for barbituric acid; e.g., Alphenal; Amobarbital; Aprobarbital; Barbital; Butabarbital; Cyclopentobarbital; 5-Ethyl-5-(4-hydroxyphenyl) barbiturate; Pentobarbital; Phenobarbital; Secobarbital; Talbutal; Thiopental
NPU08959
U—Barbiturates; arb.c.(0 1; proc.) = ?

Urine—
Barbiturates;
substance concentration micromole/litre
M(barbituric acid) = 128.09 g/mol
Authority: INN
Note(s): CAS 67-52-7 (barbituric acid); Molar mass for barbituric acid; e.g., Alphenal; Amobarbital; Aprobarbital; Barbital; Butabarbital; Cyclopentobarbital; 5-Ethyl-5-(4-hydroxyphenyl) barbiturate; Pentobarbital; Phenobarbital; Secobarbital; Talbutal; Thiopental
NPU04085
U—Barbiturates; subst.c. = ? μmol/l

Air(ambient)—
Barium(II);
substance concentration(procedure) micromole/cubic metre
A = 137.34 g/mol

Note(s): CAS 7440-39-3 (element); Atomic mass for elemental barium
NPU16537
Air(amb)—Barium(II); subst.c.(proc.) = ? μmol/m^3

Plasma—
Barium(II);
substance concentration
nanomole/litre
A = 137.34 g/mol
Note(s): CAS 7440-39-3 (element); Atomic mass for elemental barium
NPU16899
P—Barium(II); subst.c. = ? nmol/l

Urine—
Barium(II);
substance concentration
nanomole/litre
A = 137.34 g/mol
Note(s): CAS 7440-39-3 (element); Atomic mass for elemental barium
NPU16900
U—Barium(II); subst.c. = ? nmol/l

Water(drinking)—
Barium(II);
substance concentration
micromole/litre
A = 137.34 g/mol
Note(s): CAS 7440-39-3 (element); Atomic mass for elemental barium
NPU16538
Water(drinking)—Barium(II); subst.c. = ? μmol/l

Urine—
Basic drugs;
arbitrary concentration(0 1; procedure)
Other term(s): Tetrabromophenolphthalein ethyl ester reactive compounds
Note(s): Examples of basic drugs are Diphenhydramine; Doxepin; Doxylamin; Flurazepam; Maprotilin; Pipamperon
NPU16539
U—Basic drugs; arb.c.(0 1; proc.) = ?

Air(ambient)—
Benomyl;
substance concentration
millimole/cubic metre
M = 290.36 g/mol
Other term(s): **Methyl 1-(butylcarbamoyl)benzimidazol-2-ylcarbamate**; Methyl 1-(butylcarbamoyl)-2-benzimidazolecarbamate
Authority: ISO
Note(s): CAS 17804-35-2
NPU16540
Air(amb)—Benomyl; subst.c. = ? mmol/m^3

Air(ambient)—
Benzene;
substance concentration
micromole/cubic metre
M = 78.11 g/mol
Note(s): CAS 71-43-2
NPU16541
Air(amb)—Benzene; subst.c. = ? μmol/m^3

Air(exhaled)—
Benzene;
substance concentration
micromole/cubic metre
M = 78.11 g/mol
Other term(s): Benzol; Phenyl hydride
Note(s): CAS 71-43-2
NPU16542
Air(exh)—Benzene; subst.c. = ? μmol/m^3

Urine—
Benzene;
substance concentration
micromole/litre
M = 78.11 g/mol
Other term(s): Benzol; Phenyl hydride
Note(s): CAS 71-43-2
NPU16543
U—Benzene; subst.c. = ? μmol/l

Water(drinking)—
Benzene;
substance concentration
micromole/litre
M = 78.11 g/mol
Other term(s): Benzol; Phenyl hydride
Note(s): CAS 71-43-2
NPU16544
Water(drinking)—Benzene; subst.c. = ? μmol/l

Urine—
Benzoylecgonine;
arbitrary concentration(0 1; procedure)
M = 289.33 g/mol
Authority: INN
Note(s): CAS 519-09-5
NPU16545
U—Benzoylecgonine; arb.c.(0 1; proc.) = ?

Air(ambient)—
Beryllium(0 and II);
substance concentration
nanomole/cubic metre
A = 9.01 g/mol
Note(s): CAS 7440-41-7 (element); Atomic mass for elemental beryllium
NPU16546
Air(amb)—Beryllium(0 and III); subst.c. = ? nmol/m^3

Plasma—
Beryllium(III);
substance concentration
nanomole/litre
A = 9.01 g/mol
Note(s): CAS 7440-41-7 (element); Atomic mass for elemental beryllium
NPU16901
P—Beryllium(III); subst.c. = ? nmol/l

Urine—
Beryllium(III);
substance concentration
nanomole/litre
A = 9.01 g/mol
Note(s): CAS 7440-41-7 (element); Atomic mass for elemental beryllium
NPU16902
U—Beryllium(III); subst.c. = ? nmol/l

Plasma—
Bismuth(III);
substance concentration
nanomole/litre
A = 208.98 g/mol
Note(s): CAS 7440-69-9 (element); Atomic mass for elemental bismuth
NPU16903
P—Bismuth(III); subst.c. = ? nmol/l

Urine—
Bismuth(III);
substance concentration
nanomole/litre
A = 208.98 g/mol
Note(s): CAS 7440-69-9 (element); Atomic mass for elemental bismuth
NPU16904
U—Bismuth(III); subst.c. = ? nmol/l

Air(ambient)—
Boron(III);
substance concentration
millimole/cubic metre
A = 10.81 g/mol
Note(s): CAS 7440-42-8 (element); Atomic mass for elemental boron
NPU16547
Air(amb)—Boron(III); subst.c. = ? mmol/m^3

Plasma—
Boron(III);
substance concentration
micromole/litre
A = 10.81 g/mol
Note(s): CAS 7440-42-8 (element); Atomic mass for elemental boron
NPU16905
P—Boron(III); subst.c. = ? μmol/l

Urine—
Boron(III);
substance concentration
micromole/litre
A = 10.81 g/mol
Note(s): CAS 7440-42-8 (element); Atomic mass for elemental boron
NPU16947
U—Boron(III); subst.c. = ? μmol/l

Water(drinking)—
Boron(III);
substance concentration
millimole/litre
A = 10.81 g/mol
Note(s): CAS 7440-42-8 (element); Atomic mass for elemental boron
NP16890
Water(drinking)—Boron(III); subst.c. = ? mmol/l

Blood—
Bromide ion;
substance concentration
micromole/litre
A = 79.90 g/mol
Note(s): CAS 7726-95-6 (element); Atomic mass for elemental bromine
NPU04834
B—Bromide ion; subst.c. = ? μmol/l

Plasma—
Bromide ion;
substance concentration
micromole/litre
A = 79.90 g/mol
Note(s): CAS 7726-95-6 (element); Atomic mass for elemental bromine
NPU01403
P—Bromide ion; subst.c. = ? μmol/l

Urine—
Bromide ion;
substance concentration
micromole/litre
A = 79.90 g/mol
Note(s): CAS 7726-95-6 (element); Atomic mass for elemental bromine
NPU04870
U—Bromide ion; subst.c. = ? μmol/l

Air(ambient)—
Bromine(gas);
substance concentration
millimole/cubic metre
M = 159.80 g/mol
Note(s): CAS 7726-95-6
NPU16548
Air(ambient)—Bromine gas; subst.c. = ? mmol/m^3

Air(ambient)—
Butan-1-ol;
substance concentration
millimole/cubic metre
M = 74.12 g/mol
Other term(s): *n*-Butanol; Butyl alcohol; *n*-Butyl alcohol; 1-Hydroxybutane; *n*-Propyl carbinol
Note(s): CAS 71-36-3
NPU16549
Air(amb)—Butan-1-ol; subst.c. = ? mmol/m^3

Water(drinking)—
Butan-1-ol;
substance concentration
micromole/litre
M = 74.12 g/mol
Other term(s): *n*-Butanol; Butyl alcohol; *n*-Butyl alcohol; 1-Hydroxybutane; *n*-Propyl carbinol
Note(s): CAS 71-36-3
NPU16550
Water(drinking)—Butan-1-ol; subst.c. = ? μmol/l

Air(ambient)—
Butan-2-ol;
substance concentration
millimole/cubic metre
M = 74.12 g/mol
Other term(s): *sec*-Butyl alcohol; Butylene hydrate; 2-Hydroxybutane; Methyl ethyl carbinol
Note(s): CAS 78-92-2
NPU16551
Air(amb)—Butan-2-ol; subst.c. = ? mmol/m^3

Water(drinking)—
Butan-2-ol;
substance concentration
micromole/litre
M = 74.12 g/mol
Other term(s): *sec*-Butyl alcohol; Butylene hydrate; 2-Hydroxybutane; Methyl ethyl carbinol
Note(s): CAS 78-92-2
NPU16552
Water(drinking)—Butan-2-ol; subst.c. = ? μmol/l

Blood—
Cadmium(II);
substance concentration
nanomole/litre
A = 112.41 g/mol
Note(s): CAS 7440-43-9 (element); Atomic mass for elemental cadmium
NPU16948
B—Cadmium(II); subst.c. = ? nmol/l

Cells(blood)—
Cadmium(II);
substance content
nanomole/kilogram
A = 112.41 g/mol
Note(s): CAS 7440-43-9 (element); Atomic mass for elemental cadmium
NPU16949
Cells(b)—Cadmium(II); subst.cont. = ? nmol/kg

Food(specification)
Cadmium(II);
substance content
micromole/kilogram
A = 112.41 g/mol
Note(s): CAS 7440-43-9 (element); Atomic mass for elemental cadmium
NPU16555
Food(specification)—Cadmium(II); subst.cont. = ? μmol/kg

Hair—
Cadmium(II);
substance content
micromole/kilogram
A = 112.41 g/mol
Note(s): CAS 7440-43-9 (element); Atomic mass for elemental cadmium
NPU16906
Hair—Cadmium(II); subst.cont. = ? μmol/kg

Plasma—
Cadmium(II);
substance concentration
nanomole/litre
A = 112.41 g/mol
Note(s): CAS 7440-43-9 (element); Atomic mass for elemental cadmium
NPU16907
P—Cadmium(II); subst.c. = ? nmol/l

Urine—
Cadmium(II);
substance concentration
nanomole/litre
A = 112.41 g/mol
Note(s): CAS 7440-43-9 (element); Atomic mass for elemental cadmium
NPU16908
U—Cadmium(II); subst.c. = ? nmol/l

Water(drinking)—
Cadmium(II);
substance concentration
nanomole/litre
A = 112.41 g/mol
Note(s): CAS 7440-43-9 (element); Atomic mass for elemental cadmium
NPU16556
Water(drinking)—Cadmium(II); subst.c. = ? nmol/l

Air(ambient)—
Cadmium((0 and II) dust);
substance concentration
micromole/cubic metre

A = 112.41 g/mol
Note(s): CAS 7440-43-9 (element); Atomic mass for elemental cadmium
NPU16557
Air(amb)—Cadmium((0 and II) dust); subst.c. = ? μmol/m^3

Air(ambient)—
Cadmium((II) fume);
substance concentration
micromole/cubic metre
A = 112.41 g/mol
Note(s): CAS 7440-43-9 (element); Atomic mass for elemental cadmium
NPU16558
Air(amb)—Cadmium((II) fume); subst.c. = ? μmol/m^3

Blood—
Caesium(I);
substance concentration
nanomole/litre
A = 132.90 g/mol
Note(s): CAS 7440-46-2 (element); Atomic mass for elemental caesium
NPU16909
B—Caesium(I); subst.c. = ? nmol/l

Cells(blood)—
Caesium(I);
substance content
nanomole/kilogram
A = 132.90 g/mol
Note(s): CAS 7440-46-2 (element); Atomic mass for elemental caesium
NPU16910
Cells(b)—Caesium(I); subst. cont. = ? nmol/kg

Plasma—
Caesium(I);
substance concentration
nanomole/litre
A = 132.90 g/mol
Note(s): CAS 7440-46-2 (element); Atomic mass for elemental caesium
NPU16911
P—Caesium(I); subst.c. = ? nmol/l

Urine—
Caesium(I);
substance concentration
nanomole/litre
A = 132.90 g/mol
Note(s): CAS 7440-46-2 (element); Atomic mass for elemental caesium
NPU01431
U—Caesium(I); subst.c. = ? nmol/l

Urine—
Cannabinoids;
arbitrary concentration(0 1; procedure)
M(cannabinol) = 310.44 g/mol
Authority: INN
Note(s): CAS 521-35-7 (cannabinol); Molar mass for cannabinol; e.g., Cannabidiol; Cannabinol; Tetrahydrocannabinol
NPU08957
U—Cannabinoids; arb.c.(0 1; proc.) = ?

Urine—
Cannabinoids;
substance concentration
micromole/litre
M(cannabinol) = 310.44 g/mol
Authority: INN
Note(s): CAS 521-35-7 (cannabinol); Molar mass for cannabinol; e.g., Cannabidiol; Cannabinol; Tetrahydrocannabinol
NPU04622
U—Cannabinoids; subst.c. = ? μmol/l

Urine—
Cannabinol;
substance concentration
nanomole/litre
M = 310.44 g/mol
Other term(s): **6,6,9-Trimethyl-3-pentyl-6*H*-dibenzo[*b,d*]pyran~1-ol**; Cannabidiol; Cannabinol; Tetrahydrocannabinol
Authority: INN
Note(s): CAS 521-35-7 (cannabinol)
NPU01452
U—Cannabinol; subst.c. = ? nmol/l

Air(ambient)—
Carbaryl;
substance concentration
micromole/cubic metre
M = 201.22 g/mol
Other term(s): **1-Naphthyl methylcarbamate**; 1-Naphthyl *N*-methylcarbamate; ENT-23969; OMS-29; UC-7744; Arylam; Carylderm; Clinicide; Derbac; Dicarbam; Ravyon; Seffein; Sevin
Authority: ISO
Note(s): CAS 63-25-2
NPU16559
Air(amb)—Carbaryl; subst.c. = ? μmol/m^3

Water(drinking)—
Carbaryl;
substance concentration
nanomole/litre
M = 201.22 g/mol
Other term(s): **1-Naphthyl methylcarbamate**; 1-Naphthyl *N*-methylcarbamate; ENT-23969; OMS-29; UC-7744; Arylam; Carylderm; Clinicide; Derbac; Dicarbam; Ravyon; Seffein; Sevin
Authority: ISO
Note(s): CAS 63-25-2

NPU16560
Water(drinking)—Carbaryl; subst.c. = ? nmol/l

Water(drinking)—
Carbendazim;
substance concentration
nanomole/litre
M = 191.19 g/mol
Other term(s): **Methyl benzimidazol-2-ylcarbamate**; BAS-3460; Bavistin; BCM; BMC; Carbendazim; Carbendazime; Carbendazol; Carbendazole; CTR-6699; Derosal; HOE-17411; MBC; Methyl 2-benzimidazolecarbamate
Authority: ISO
Note(s): CAS 10605-21-7
NPU16561
Water(drinking)—Carbendazim; subst.c. = ? nmol/l

Plasma—
Carbohydrate deficient transferrin
substance concentration
micromole/litre
M(transferrin) = about 80 000 g/mol
Other term(s): CDT
NPU16562
P—Carbohydrate deficient transferrin; subst.c. = μmol/l

Air(ambient)—
Carbon disulfide;
substance concentration
micromole/cubic metre
M = 76.14 g/mol
Other term(s): Carbon bisulfide; Carbon bisulphide; Carbon disulphide; Methanedithione
Note(s): CAS 75-15-0
NPU16563
Air(amb)—Carbon disulfide; subst.c. = ? $\mu mol/m^3$

Air(ambient)—
Carbon monoxide;
substance concentration
millimole/cubic metre
M = 28.01 g/mol
Other term(s): Carbon oxide; Flue gas; Monoxide
Note(s): CAS 630-08-0
NPU16564
Air(amb)—Carbon monoxide; subst.c. = ? $mmol/m^3$

Haemoglobin(total, blood)—
Carboxyhaemoglobin;
substance fraction
one
M(HbFe) = about 16 100 g/mol
Other term(s): Carbonylhaemoglobin; CO-Hemoglobin
Note(s): CAS 9061-29-4
NPU01473
Hb(total, blood)—Carboxyhaemoglobin; subst.fr. = ?

Air(ambient)—
Carbon tetrachloride;
substance concentration
millimole/cubic metre
M = 153.82 g/mol
Other term(s): **Tetrachloromethane**; Carbon chloride; Carbon tet; Freon 10; Halon 104
Note(s): CAS 56-23-5
NPU16565
Air(amb)—Carbon tetrachloride; subst.c. = ? $mmol/m^3$

Cerebrospinal fluid—
Chloramphenicol;
substance concentration
micromole/litre
M = 323.14 g/mol
Other term(s): **2,2-Dichloro-*N*-[(1*R*,2*R*)-2-hydroxy-1-(hydroxymethyl)-2-(4-nitrophenyl) ethyl]acetamide**; Ak-Chlor; Amphicol; Anacetin; Aquamycetin; Chemicetina; Chloramex; Chlorasol; Chloricol; Chlorocid; Chloromycetin; Chloroptic; Cloramfen; Chlorocyn; Enicol; Farmicetina; Fenicol; Globenicol; Intramycetin; Kemicetine; Leukomycin; Micoclorina; Mychel; Mycinol; Novomycetin; Ophthochlor; Pantovernil; Paraxin; Quemicetina; Ronphenil; Sintomicetina; Sno Phenicol; Synthomycetin; Tevcocin; Tifomycine; Veticol; Viceton
Authority: INN
Note(s): CAS 56-75-7
NPU12938
Csf—Chloramphenicol; subst.c. = ? μmol/l

Plasma—
Chloramphenicol;
substance concentration
micromole/litre
M = 323.14 g/mol
Other term(s): **2,2-Dichloro-*N*-[(1*R*,2*R*)-2-hydroxy-1-(hydroxymethyl)-2-(4-nitrophenyl) ethyl]acetamide**; Ak-Chlor; Amphicol; Anacetin; Aquamycetin; Chemicetina; Chloramex; Chlorasol; Chloricol; Chlorocid; Chloromycetin; Chloroptic; Cloramfen; Chlorocyn; Enicol; Farmicetina; Fenicol; Globenicol; Intramycetin; Kemicetine; Leukomycin; Micoclorina; Mychel; Mycinol; Novomycetin; Ophthochlor; Pantovernil; Paraxin; Quemicetina; Ronphenil; Sintomicetina; Sno Phenicol; Synthomycetin; Tevcocin; Tifomycine; Veticol; Viceton
Authority: INN
Note(s): CAS 56-75-7
NPU12934
P—Chloramphenicol; subst.c. = ? μmol/l

System(specification)—
Chloramphenicol;
substance concentration
micromole/litre
M = 323.14 g/mol
Other term(s): **2,2-Dichloro-*N*-[(1*R*,2*R*)-2-hydroxy-1-(hydroxymethyl)-2-(4-nitrophenyl) ethyl]acetamide**; Ak-Chlor; Amphicol; Anacetin; Aquamycetin; Chemicetina; Chloramex; Chlorasol; Chloricol; Chlorocid; Chloromycetin; Chloroptic; Cloramfen; Chlorocyn; Enicol; Farmicetina; Fenicol; Globenicol; Intramycetin; Kemicetine; Leukomycin; Micoclorina; Mychel; Mycinol; Novomycetin; Ophthochlor; Pantovernil; Paraxin; Quemicetina; Ronphenil; Sintomicetina; Sno Phenicol; Synthomycetin; Tevcocin; Tifomycine; Veticol; Viceton
Authority: INN
Note(s): CAS 56-75-7
NPU17513
Syst(spec.)—Chloramphenicol; subst.c. = ? μmol/l

Urine—
Chloramphenicol;
substance concentration
micromole/litre
M = 323.14 g/mol
Other term(s): **2,2-Dichloro-*N*-[(1*R*,2*R*)-2-hydroxy-1-(hydroxymethyl)-2-(4-nitrophenyl) ethyl]acetamide**; Ak-Chlor; Amphicol; Anacetin; Aquamycetin; Chemicetina; Chloramex; Chlorasol; Chloricol; Chlorocid; Chloromycetin; Chloroptic; Cloramfen; Chlorocyn; Enicol; Farmicetina; Fenicol; Globenicol; Intramycetin; Kemicetine; Leukomycin; Micoclorina; Mychel; Mycinol; Novomycetin; Ophthochlor; Pantovernil; Paraxin; Quemicetina; Ronphenil; Sintomicetina; Sno Phenicol; Synthomycetin; Tevcocin; Tifomycine; Veticol; Viceton
Authority: INN
Note(s): CAS 56-75-7
NPU12937
U—Chloramphenicol; subst.c. = ? μmol/l

Water(drinking)—
Chlordane;
substance concentration
nanomole/litre
M = 409.8 g/mol
Other term(s): **1,2,4,5,6,7,8,8-Octachloro-2,3,3a,4,7,7a-hexahydro-4,7-methanoindene**; Belt; CD-68; Chlordan; Chlordano; Corodane; Niran; Octachlor; Ortho-Klor; Synklor; Toxichlor; Velsicol 1068
Authority: ISO
Note(s): CAS 57-74-9
NPU16566
Water(drinking)—Chlordane; subst.c. = ? nmol/l

Air(ambient)—
Chlordecone;
substance concentration
nanomole/cubic metre
M = 490.64 g/mol
Other term(s): **Perchloropentacyclo[5.3.0.0^{2,6}.0^{3,9}.0^{4,8}]decan-5-one**; GC-1189; Kepone
Authority: ISO
Note(s): CAS 143-50-0
NPU16567
Air(amb)—Chlordecone; subst.c. = ? nmol/m^3

Water(drinking)—
Chlordecone;
substance concentration
nanomole/litre
M = 490.64 g/mol
Other term(s): **Perchloropentacyclo[5.3.0.0^{2,6}.0^{3,9}.0^{4,8}]decan-5-one**; GC-1189; Kepone
Authority: ISO
Note(s): CAS 143-50-0
NPU16568
Water(drinking)—Chlordecone; subst.c. = ? nmol/l

Air(ambient)—
Chlordimeform;
substance concentration
nanomole/cubic metre
M = 196.67 g/mol
Other term(s): ***N*^{2}-(4-chloro-2-methylphenyl)-*N*^{1},*N*^{1}-dimethylformamidine**; *N*^{2}-(4-chloro-*o*-tolyl)-*N*^{1},*N*^{1}-dimethylformamidine; CDM; Chlorophenamidine; Chlorphenamidine; Ciba 8514; Fundal; Galecron; Schering 36268; Spanon
Authority: ISO
Note(s): CAS 6164-98-3
NPU16569
Air(amb)—Chlordimeform; subst.c. = ? nmol/m^3

Water(drinking)—
Chlordimeform;
substance concentration
nanomole/litre
M = 196.67 g/mol
Other term(s): ***N*^{2}-(4-chloro-2-methylphenyl)-*N*^{1},*N*^{1}-dimethylformamidine**; *N*^{2}-(4-chloro-*o*-tolyl)-*N*^{1},*N*^{1}-dimethylformamidine; CDM; Chlorophenamidine; Chlorphenamidine; Ciba 8514; Fundal; Galecron; Schering 36268; Spanon
Authority: ISO
Note(s): CAS 6164-98-3
NPU16570
Water(drinking)—Chlordimeform; subst.c. = ? nmol/l

Urine—
Chlorinated hydrocarbons;
arbitrary concentration(0 1; procedure)

Other term(s): Fujiwara reactive compounds
Note(s): Examples of chlorinated hydrocarbons are Chloroform; Chloral hydrate
NPU16571
U—Chlorinated hydrocarbons; arb.c.(0 1; proc.) = ?

Water(drinking)—Chlorinated paraffins($C_{12}H_{20}Cl_{l6}$(typically));
substance concentration
nanomole/litre
M(typically) = 377 g/mol
Note(s): CAS 108171-26-2
NPU16572
Water(drinking)—Chlorinated paraffins($C_{12}H_{20}Cl_{l6}$(typically)); subst.c. = ? nmol/l

Water(drinking)—Chlorinated paraffins($C_{23}H_{40}Cl_{l8}$(typically));
substance concentration
nanomole/litre
M(typically) = 600 g/mol
Note(s): CAS 108171-27-3
NPU16573
Water(drinking)—Chlorinated paraffins($C_{23}H_{40}Cl_{l8}$(typically)); subst.c. = ? nmol/l

Air(ambient)—Chlorine gas(Cl_2);
substance concentration
micromole/cubic metre
M = 70.91 g/mol
Note(s): CAS 7782-50-5
NPU16574
Air(amb)—Chlorine; subst.c. = ? μmol/m^3

Water(drinking)—Chlorine(Cl_2);
substance concentration
micromole/litre
M = 70.91 g/mol
Note(s): CAS 7782-50-5
NPU16575
Water(drinking)—Chlorine; subst.c. = ? μmol/l

Air(ambient)—Chlorobenzene(except hexachlorobenzene);
substance concentration
micromole/cubic metre
M(monochlorobenzene) = 112.56 g/mol
Authority: ISO
Note(s): CAS 108-90-7; Molar mass for a typical monochlorobenzene
NPU16576
Air(amb)—Chlorobenzene(except hexachlorobenzene); subst.c. = ? μmol/m^3

Water(drinking)—Chlorobenzene(except hexachlorobenzene);
substance concentration
micromole/litre
M(monochlorobenzene) = 112.56 g/mol
Authority: ISO
Note(s): CAS 108-90-7; Molar mass for a typical monochlorobenzene
NPU16577
Water(drinking)—Chlorobenzene(except hexachlorobenzene); subst.c. = ? μmol/l

Air(ambient)—Chloroform;
substance concentration
millimole/cubic metre
M = 119.39 g/mol
Other term(s): Methane trichloride; Trichloromethane
Note(s): CAS 67-66-3
NPU16578
Air(amb)—Chloroform; subst.c. = ? mmol/m^3

Water(drinking)—Chloroform;
substance concentration
micromole/litre
M = 119.39 g/mol
Other term(s): **Trichloromethane**; Methane trichloride
Note(s): CAS 67-66-3
NPU16579
Water(drinking)—Chloroform; subst.c. = ? μmol/l

Air(ambient)—2-Chlorophenol;
substance concentration
millimole/cubic metre
M = 128.56 g/mol
Other term(s): 1-Chloro-2-hydroxybenzene; *o*-Chlorophenol; Chlorophenolate; 2-Hydroxychlorobenzene
Note(s): CAS 95-57-8
NPU16580
Air(amb)—2-Chlorophenol; subst.c. = ? mmol/m^3

Water(drinking)—2-Chlorophenol;
substance concentration
nanomole/litre
M = 128.56 g/mol
Other term(s): 1-Chloro-2-hydroxybenzene; *o*-Chlorophenol; Chlorophenolate; 2-Hydroxychlorobenzene
Note(s): CAS 95-57-8
NPU16581
Water(drinking)—2-Chlorophenol; subst.c. = ? nmol/l

Air(ambient)—3-

Chlorophenol;
substance concentration
millimole/cubic metre
M = 128.56 g/mol
Other term(s): 3-Chlorohydroxybenzene; *m*-Chlorophenol; 3-Hydroxychlorobenzene; Meta-chlorophenol
Note(s): CAS 108-43-0
NPU16582
Air(amb)—3-Chlorophenol; subst.c. = ? mmol/m^3

Water(drinking)—
3-
Chlorophenol;
substance concentration
nanomole/litre
M = 128.56 g/mol
Other term(s): 3-Chlorohydroxybenzene; *m*-Chlorophenol; 3-Hydroxychlorobenzene; Meta-chlorophenol
Note(s): CAS 108-43-0
NPU16583
Water(drinking)—3-Chlorophenol; subst.c. = ? nmol/l

Air(ambient)—
4-
Chlorophenol;
substance concentration
millimole/cubic metre
M = 128.56 g/mol
Other term(s): Applied 3-78; *p*-Chlorophenic acid; *p*-Chlorophenol; *p*-Hydroxychlorobenzene; 4-Hydroxychlorobenzene
Note(s): CAS 106-48-9
NPU16584
Air(amb)—4-Chlorophenol; subst.c. = ? mmol/m^3

Water(drinking)—
4-
Chlorophenol;
substance concentration
nanomole/litre
M = 128.56 g/mol
Other term(s): Applied 3-78; *p*-Chlorophenic acid; *p*-Chlorophenol; *p*-Hydroxychlorobenzene; 4-Hydroxychlorobenzene
Note(s): CAS 106-48-9
NPU16585
Water(drinking)—4-Chlorophenol; subst.c. = ? nmol/l

Water(drinking)—
Chlorothalonil;
substance concentration
nanomole/litre
M = 265.91 g/mol
Other term(s): **Tetrachloroisophthalonitrile**; Bravo; Chlorthalonil; DAC-2787; Daconil 2787; 1,3-Dicyano-2,4,5,6-tetrachlorobenzene; Exotherm Termil; Forturf; Termil; 2,4,5,6-Tetrachloro-1,3-dicyanobenzene; *m*-Tetrachlorophthalodinitrile
Authority: ISO
Note(s): CAS 1897-45-6
NPU16586
Water(drinking)—Chlorothalonil; subst.c. = ? nmol/l

Air(ambient)—
Chromate ion;
substance concentration
nanomole/cubic metre
M = 115.99 g/mol
Note(s): CAS 1333-82-0 (chromic acid)
NPU16587
Air(amb)—Chromate ion**;** subst.c. = ? nmol/m^3

Water(drinking)—
Chromate ion;
substance concentration
nanomole/litre
M = 115.99 g/mol
Note(s): CAS 1333-82-0 (chromic acid)
NPU16588
Water(drinking)—Chromate ion; subst.c. = ? nmol/l

Air(ambient)—
Chromium(III and VI);
substance concentration
micromole/cubic metre
A = 51.99 g/mol
Note(s): CAS 7440-47-3 (element); Atomic mass for elemental chromium
NPU16589
Air(amb)—Chromium(III and VI); subst.c. = ? μmol/m^3

Air(specification)—
Chromium(VI);
substance concentration
micromole/cubic metre
A = 51.99 g/mol
Note(s): CAS 7440-47-3 (element); Atomic mass for elemental chromium
NPU16590
Air(spec.)—Chromium(VI); subst.c. = ? μmol/m^3

Cells(blood)—
Chromium(III);
substance content
nanomole/kilogram
A = 51.99 g/mol
Note(s): CAS 7440-47-3 (element); Atomic mass for elemental chromium
NPU01586
Cells(b)—Chromium(III); subst.cont. = ? nmol/kg

Plasma—
Chromium(III);
substance concentration
nanomole/litre
A = 51.99 g/mol
Note(s): CAS 7440-47-3 (element); Atomic mass for elemental chromium
NPU01589
P—Chromium(III); subst.c. = ? nmol/l

Urine—
Chromium(III);
substance concentration
nanomole/litre
A = 51.99 g/mol
Note(s): CAS 7440-47-3 (element); Atomic mass for elemental chromium
NPU01590
U—Chromium(III); subst.c. = ? nmol/l

Urine—
Cocaine and metabolites;
arbitrary concentration(0 1; procedure)
Authority: INN
CAS Registry Number: 50-36-2 (cocaine)
Note(s): Examples of metabolites are Benzoyl ecgonine; Ecgonine; Ecgonine methylester
NPU08955
U—Cocaine and metabolites; arb.c.(0 1; proc.) =

Cells(blood)—
Copper(II);
substance content
micromole/kilogram
A = 63.55 g/mol
Note(s): CAS 7440-50-8 (element); Atomic mass for elemental copper
NPU04905
Cells(b)—Copper(II); subst.cont. = ? μmol/kg

Plasma—
Copper(II);
substance concentration
micromole/litre
A = 63.55 g/mol
Note(s): CAS 7440-50-8 (element); Atomic mass for elemental copper
NPU01773
P—Copper(II); subst.c. = ? μmol/l

Urine—
Copper(II);
substance concentration
micromole/litre
A = 63.55 g/mol
Note(s): CAS 7440-50-8 (element); Atomic mass for elemental copper
NPU01774
U—Copper(II); subst.c. = ? μmol/l

Air(ambient)—
Copper((0, I and II) dust and mist);
substance concentration
micromole/cubic metre
A = 63.55 g/mol
Other term(s): Copper(total)
Note(s): CAS 7440-50-8 (element); Atomic mass for elemental copper
NPU16591
Air(amb)—Copper((0, I and II) dust and mist); subst.c. = ? μmol/m^3

Air(specification)—
Copper oxide(dust and fume);
substance concentration
micromole/cubic metre
A = 79.54 g/mol
Note(s): CAS 1317-38-0; Atomic mass for elemental copper
NPU16592
Air(spec)—Copper oxide(dust and fume); subst.c. = ? μmol/m^3

Blood—
Cotinine;
substance concentration
micromole/litre
M = 176.22 g/mol
Other term(s): **1-Methyl-5-pyridin-3-ylpyrrolidin-2-one**
Authority: INN
Note(s); CAS 486-56-6
NPU16593
B—Cotinine; subst.c. = ? μmol/l

Urine—
Cotinine;
substance concentration
micromole/litre
M = 176.22 g/mol
Other term(s): **1-Methyl-5-pyridin-3-ylpyrrolidin-2-one**
Authority: INN
Note(s); CAS 486-56-6
NPU16594
U—Cotinine; subst.c. = ? μmol/l

Air(ambient)—
***o*-**
Cresol;
substance concentration
micromole/cubic metre
M = 108.15 g/mol
Other term(s): **2-Methylphenol**; 2-Cresol; *o*-Cresylic acid; 1-Hydroxy-2-methylbenzene; 2-Hydroxytoluene
Note(s): CAS 95-48-7
NPU16595
Air(amb)—2-Cresol; subst.c. = ? μmol/m^3

Water(drinking)—
***o*-**
Cresol;
substance concentration
nanomole/litre
M = 108.15 g/mol
Other term(s): **2-Methylphenol**; 2-Cresol; *o*-Cresylic acid; 1-Hydroxy-2-methylbenzene; 2-Hydroxytoluene
Note(s): CAS 95-48-7
NPU16596
Water(drinking)—2-Cresol; subst.c. = ? nmol/l

Air(ambient)—
***m*-**
Cresol;
substance concentration
micromole/cubic metre
M = 108.15 g/mol
Other term(s): **3-Methylphenol**; 3-Cresol; *m*-Cresylic acid; 1-Hydroxy-3-methylbenzene; 3-Hydroxytoluene
Note(s): CAS 108-39-4
NPU16597
Air(amb)—3-Cresol; subst.c. = ? μmol/m^3

Water(drinking)—
***m*-**
Cresol;
substance concentration
nanomole/litre
M = 108.15 g/mol
Other term(s): **3-Methylphenol**; 3-Cresol; *m*-Cresylic acid; 1-Hydroxy-3-methylbenzene; 3-Hydroxytoluene
Note(s): CAS 108-39-4
NPU16598
Water(drinking)—3-Cresol; subst.c. = ? nmol/l

Air(ambient)—
***p*-**
Cresol;
substance concentration
micromole/cubic metre
M = 108.15 g/mol
Other term(s): **4-Methylphenol**; 4-Cresol; *p*-Cresylic acid; 1-Hydroxy-4-methylbenzene; 4-Hydroxytoluene
Note(s): CAS 106-44-5
NPU16599
Air(amb)—4-Cresol; subst.c. = ? μmol/m^3

Water(drinking)—
***p*-**
Cresol;
substance concentration
nanomole/litre
M = 108.15 g/mol
Other term(s): **4-Methylphenol**; 4-Cresol; *p*-Cresylic acid; 1-Hydroxy-4-methylbenzene; 4-Hydroxytoluene
Note(s): CAS 106-44-5
NPU16600
Water(drinking)—4-Cresol; subst.c. = ? nmol/l

Food(specification)—
Cyanide ion;
substance content
micromole/kilogram
M = 26.03 g/mol
Note(s): CAS 74-90-8 (hydrogen cyanide)
NPU16601
Food(specification)—Cyanide ion; subst.cont. = ? μmol/kg

Water(drinking)—
Cyanide ion;
substance concentration
micromole/litre
M = 26.03 g/mol
Note(s): CAS 74-90-8 (hydrogen cyanide)
NPU16602
Water(drinking)—Cyanide ion; subst.c. = ? μmol/l

Food(specification)—
Cypermethrin;
substance content
nanomole/kilogram
M = 416.30 g/mol
Other term(s): **(*RS*)-α-Cyano-3-phenoxybenzyl (1*RS*,3*RS*;1*RS*,3*SR*)-3-(2,2-dichlorovinyl)-2,2-Dimethylcyclopropane-1-carboxylate**; Agrothrin; Ammo; Arrivo; Barricade; Cymbush; Cynoff; Cypercare; Cyperkill; Cypersect; Demon; Dysect; Ectomin; Ectopor; Fastac; Flectron; FMC-30980; NRDC-149; Nurelle; Parasol; Polytrin; PP-383; Ripcord; Rycopel; Sherpa; Topclip
Authority: ISO
Note(s): CAS 52315-07-8
NPU16603
Food(specification)—Cypermethrin; subst.cont. = ? nmol/kg

Water(drinking)—
Cypermethrin;
substance concentration
nanomole/litre
M = 416.30 g/mol
Other term(s): **(*RS*)-α-Cyano-3-phenoxybenzyl (1*RS*,3*RS*;1*RS*,3*SR*)-3-(2,2-dichlorovinyl)-2,2-Dimethylcyclopropane-1-carboxylate**; Agrothrin; Ammo; Arrivo; Barricade; Cymbush; Cynoff; Cypercare; Cyperkill; Cypersect; Demon; Dysect; Ectomin; Ectopor; Fastac; Flectron; FMC-30980; NRDC-149; Nurelle; Parasol; Polytrin; PP-383; Ripcord; Rycopel; Sherpa; Topclip

Authority: ISO
Note(s): CAS 52315-07-8
NPU16604
Water(drinking)—Cypermethrin; subst.c. = ? nmol/l

Food(specification)—4,4'-DDD;
substance content nanomole/kilogram
M = 320.05 g/mol
Other term(s): **1,1'-(2,2-Dichloroethane-1,1-diyl)bis(4-chlorobenzene)**; 1,1-Dichloro-2,2-bis(4-chlorophenyl)-ethane; Dichlorodiphenyldichloroethane; Rhothane; TDE
Authority: ISO
Note(s): CAS 72-54-8
NPU16608
Food(specification)—4,4'-DDD; subst.cont. = ? nmol/kg

Water(drinking)—4,4'-DDD;
substance concentration nanomole/litre
M = 320.05 g/mol
Other term(s): **1,1'-(2,2-Dichloroethane-1,1-diyl)bis(4-chlorobenzene)**; 1,1-Dichloro-2,2-bis(4-chlorophenyl)-ethane; Dichlorodiphenyldichloroethane; Rhothane; TDE
Authority: ISO
Note(s): CAS 72-54-8
NPU16609
Water(drinking)—4,4'-DDD; subst.c. = ? nmol/l

Food(specification)—DDE;
substance content nanomole/kilogram
M = 318.03 g/mol
Other term(s): **1-Chloro-4-[2,2-dichloro-1-(4-chlorophenyl)ethenyl]benzene**; 1-Chloro-4-[2,2-dichloro-1-(4-chlorophenyl)vinyl]benzene; Dichlorodiphenyldichloroethylene
Authority: ISO
Note(s): CAS 72-55-9
NPU16610
Food(specification)—DDE; subst.cont. = ? nmol/kg

Water(drinking)—DDE;
substance concentration nanomole/litre
M = 318.03 g/mol
Other term(s): **1-Chloro-4-[2,2-dichloro-1-(4-chlorophenyl)ethenyl]benzene**; 1-Chloro-4-[2,2-dichloro-1-(4-chlorophenyl)vinyl]benzene; Dichlorodiphenyldichloroethylene
Authority: ISO
Note(s): CAS 72-55-9
NPU16611
Water(drinking)—DDE; subst.c. = ? nmol/l

Air(ambient)—DDT(all isomers);
substance concentration micromole/cubic metre
M = 354.49 g/mol
Other term(s): **1,1,1-Trichloro-2,2-bis(4-chlorophenyl)ethane**; Agritan; Chlorophenothane; Clofenotane; *p,p*'-DDT; Dichlorodiphenyltrichloroethane; Dicophane; Gesapon; Gesarex; Gesarol; Guesapon; Neocid; Pentachlorin
Authority: ISO
Note(s): CAS 50-29-3
NPU16612
Air(amb)—DDT(all isomers); subst.c. = ? μmol/m^3

Food(specification)—DDT(all isomers);
substance content nanomole/kg
M = 354.49 g/mol
Other term(s): **1,1,1-Trichloro-2,2-bis(4-chlorophenyl)ethane**; Agritan; Chlorophenothane; Clofenotane; *p,p*'-DDT; Dichlorodiphenyltrichloroethane; Dicophane; Gesapon; Gesarex; Gesarol; Guesapon; Neocid; Pentachlorin
Authority: ISO
Note(s): CAS 50-29-3
NPU16613
Food(specification)—DDT(all isomers); subst.cont. = ? nmol/kg

Water(drinking)—DDT(all isomers);
substance concentration nanomole/litre
M = 354.49 g/mol
Other term(s): **1,1,1-Trichloro-2,2-bis(4-chlorophenyl)ethane**; Agritan; Chlorophenothane; Clofenotane; *p,p*'-DDT; Dichlorodiphenyltrichloroethane; Dicophane; Gesapon; Gesarex; Gesarol; Guesapon; Neocid; Pentachlorin
Authority: ISO
Note(s): CAS 50-29-3
NPU16614
Water(drinking)—DDT(all isomers); subst.c. = ? nmol/l

Water(drinking)—Demeton-*S*-methyl;
substance concentration

nanomole/litre
M = 258.34 g/mol
Other term(s): ***S*-2-(Ethylsulfanyl)ethyl *O,O*-dimethyl phosphorothioate**; *S*-2-Ethylthioethyl *O,O*-dimethyl phosphorothioate; Bayer 8169; Mercaptophos; E-1059; Systox
Authority: ISO
Note(s): CAS 8065-48-3
NPU16615
Water(drinking)—Demeton-S-methyl; subst.c. = ? nmol/l

Food(specification)
2,5-
Diaminotoluene;
substance content
nanomole/kilogram
M = 122.19 g/mol
Other term(s): **2-Methylbenzene-1,4-diamine**
Note(s): CAS 95-70-5
NPU16618
Food(specification)—2,5-Diaminotoluene; subst.cont. = ? nmol/kg

Water(drinking)—
2,5-
Diaminotoluene;
substance concentration
nanomole/ litre
M = 122.19 g/mol
Other term(s): **2-Methylbenzene-1,4-diamine**
Note(s): CAS 95-70-5
NPU16619
Water(drinking)—2,5-Diaminotoluene; subst.c. = ? nmol/l

Air(ambient)—
Diazinon;
substance concentration
micromole/cubic metre
M = 304.36 g/mol
Other term(s): ***O,O*-diethyl *O*-2-isopropyl-6-methylpyrimidin-4-yl phosphorothioate**; Basudin; Diazide; *O,O*-Diethyl *O*-[6-methyl-2-(1-methylethyl)-4-pyrimidinyl] phosphorothioate; Spectracide
Authority: ISO
Note(s): CAS 333-41-5
NPU16620
Air(amb)—Diazinon; subst.c. = ? μmol/m^3

Water(drinking)—
Diazinon;
substance concentration
nanomole/litre
M = 304.36 g/mol
Other term(s): ***O,O*-diethyl *O*-2-isopropyl-6-methylpyrimidin-4-yl phosphorothioate**; Basudin; Diazide; *O,O*-Diethyl *O*-[6-methyl-2-(1-methylethyl)-4-pyrimidinyl] phosphorothioate; Spectracide
Authority: ISO
Note(s): CAS 333-41-5
NPU16621
Water(drinking)—Diazinon; subst.c. = ? nmol/l

Air(ambient)—
1,2-
Dibromoethane;
substance concentration
nanomole/cubic metre
M = 187.88 g/mol
Other term(s): Ethylene dibromide
Note(s): CAS 106-93-4
NPU16622
Air(amb)—1,2-Dibromoethane; subst.c. = ? nmol/m^3

Water(drinking)—
1,2-
Dibromoethane;
substance concentration
nanomole/litre
M = 187.88 g/mol
Other term(s): Ethylene dibromide
Note(s): CAS 106-93-4
NPU16623
Water(drinking)—1,2-Dibromoethane; subst.c. = ? nmol/l

Air(ambient)—
Dibutyl phthalate;
substance concentration
micromole/cubic metre
M = 278.34 g/mol
Other term(s): **Dibutyl benzene-1,2-carboxylate**; DBP; Dibutyl 1,2-benzene-dicarboxylate; Di-*n*-butyl phthalate
Note(s): CAS 84-74-2
NPU16624
Air(amb)—Dibutyl phthalate; subst.c. = ? μmol/m^3

Food(specification)—
Dibutyl phthalate;
substance content
nanomole/kilogram
M = 278.34 g/mol
Other term(s): **Dibutyl benzene-1,2-carboxylate**; DBP; Dibutyl 1,2-benzene-dicarboxylate; Di-*n*-butyl phthalate
Note(s): CAS 84-74-2
NPU16625
Food(specification)—Dibutyl phthalate; subst.cont. = ? nmol/kg

Water(drinking)—
Dibutyl phthalate;
substance concentration
nanomole/litre

M = 278.34 g/mol
Other term(s): **Dibutyl benzene-1,2-carboxylate**; DBP; Dibutyl 1,2-benzene-dicarboxylate; Di-*n*-butyl phthalate
Note(s): CAS 84-74-2
NPU16626
Water(drinking)—Dibutyl phthalate; subst.c. = ? nmol/l

Air(ambient)—1,1-Dichloroethane; substance concentration millimole/cubic metre
M = 98.96 g/mol
Other term(s): Asymmetrical dichloroethane; Ethylene dichloride; Ethylidene chloride; 1,1-Ethylidene dichloride
Note(s): CAS 75-34-3
NPU16627
Air(amb)—1,1-Dichloroethane; subst.c. = ? mmol/m^3

Water(drinking)—1,1-Dichloroethane; substance concentration nanomole/litre
M = 98.96 g/mol
Other term(s): Asymmetrical dichloroethane; Ethylene dichloride; Ethylidene chloride; 1,1-Ethylidene dichloride
Note(s): CAS 75-34-3
NPU16628
Water(drinking)—1,1-Dichloroethane; subst.c. = ? nmol/l

Air(ambient)—2,4-Dichlorophenoxyacetate; substance concentration micromole/cubic metre
M = 220.04 g/mol
Other term(s): Agrotect; Amidox; Amoxone; Aqua-kleen; Asgrow Aqua KD; Chloroxone; Crop rider; 2,4-D; 2,4-D acid; Decamine; Dichlorophenoxyacetic acid; Dichlorophenoxyethanoic acid; 2,4-Dichlorophenoxyethanoic acid; Dicopur; Dicotox; DMA-4; Dormone; Ed-weed; Emulsamine BK; Envert DT; Ferminine; Formula 40; Lawn-keep; Miracle; Monosan; Netagrone; 2,4-PA; Pannamine; Verton; Weedtox; Weedtrol
Authority: ISO
Note(s): CAS 94-75-7 (2,4-Dichlorophenoxyacetic acid)
NPU16605
Air(amb)—2,4-Dichlorophenoxyacetate; subst.c. = ? μmol/m^3

Food(specification)—2,4-Dichlorophenoxyacetate; substance content nanomole/kilogram
M = 220.04 g/mol
Other term(s): Agrotect; Amidox; Amoxone; Aqua-kleen; Asgrow Aqua KD; Chloroxone; Crop rider; 2,4-D; 2,4-D acid; Decamine; Dichlorophenoxyacetic acid; Dichlorophenoxyethanoic acid; 2,4-Dichlorophenoxyethanoic acid; Dicopur; Dicotox; DMA-4; Dormone; Ed-weed; Emulsamine BK; Envert DT; Ferminine; Formula 40; Lawn-keep; Miracle; Monosan; Netagrone; 2,4-PA; Pannamine; Verton; Weedtox; Weedtrol
Authority: ISO
Note(s): CAS 94-75-7 (2,4-Dichlorophenoxyacetic acid)
NPU16606
Food(specification)—2,4-Dichlorophenoxyacetate; subst.cont. = ? nmol/kg

Water(drinking)—2,4-Dichlorophenoxyacetate; substance concentration nanomole/litre
M = 220.04 g/mol
Other term(s): Agrotect; Amidox; Amoxone; Aqua-kleen; Asgrow Aqua KD; Chloroxone; Crop rider; 2,4-D; 2,4-D acid; Decamine; Dichlorophenoxyacetic acid; Dichlorophenoxyethanoic acid; 2,4-Dichlorophenoxyethanoic acid; Dicopur; Dicotox; DMA-4; Dormone; Ed-weed; Emulsamine BK; Envert DT; Ferminine; Formula 40; Lawn-keep; Miracle; Monosan; Netagrone; 2,4-PA; Pannamine;Verton; Weedtox; Weedtrol
Authority: ISO
Note(s): CAS 94-75-7 (2,4-Dichlorophenoxyacetic acid)
NPU16607
Water(drinking)—2,4-Dichlorophenoxyacetate; subst.c. = ? nmol/l

Air(ambient)—1,2-Dichloropropane; substance concentration micromole/cubic metre
M = 112.99 g/mol
Other term(s): Propylene dichloride
Note(s): CAS 78-87-5
NPU16629
Air(amb)—1,2-Dichloropropane; subst.c. = ? μmol/m^3

Water(drinking)—1,2-

Dichloropropane;
substance concentration
nanomole/litre
M = 112.99 g/mol
Other term(s): Propylene dichloride
Note(s): CAS 78-87-5
NPU16630
Water(drinking)—1,2-Dichloropropane; subst.c. = ? nmol/l

Air(ambient)—1,3-Dichloropropene;
substance concentration
micromole/cubic metre
M = 110.98 g/mol
Other term(s): 3-Chloroallyl chloride; DCP; 1,3-Dichloro-1-propene; 1,3-Dichloropropylene; Telone
Note(s): CAS 542-75-6
NPU16631
Air(amb)—1,3-Dichloroprop-1-ene; subst.c. = ? μmol/m^3

Water(drinking)—1,3-Dichloropropene;
substance concentration
nanomole/litre
M = 110.98 g/mol
Other term(s): 3-Chloroallyl chloride; DCP; 1,3-Dichloro-1-propene; 1,3-Dichloropropylene; Telone
Note(s): CAS 542-75-6
NPU16632
Water(drinking)—1,3-Dichloroprop-1-ene; subst.c. = ? nmol/l

Air(ambient)—2,2-Dichlorvos;
substance concentration
micromole/cubic metre
M = 220.98 g/mol
Other term(s): **2,2-Dichlorovinyl dimethyl phosphate**; DDVP; 2,2-Dichloroethenyl dimethyl phosphate
Authority: ISO
Note(s): CAS 62-73-7
NPU16633
Air(amb)—Dichlorvos; subst.c. = ? μmol/m^3

Water(drinking)—2,2-Dichlorvos;
substance concentration
nanomole/litre
M = 220.98 g/mol
Other term(s): **2,2-Dichlorovinyl dimethyl phosphate**; DDVP; 2,2-Dichloroethenyl dimethyl phosphate
Authority: ISO
Note(s): CAS 62-73-7
NPU16634
Water(drinking)—Dichlorvos; subst.c. = ? nmol/l

Air(ambient)—Dieldrin;
substance concentration
micromole/cubic metre
M = 380.93 g/mol
Other term(s): **(1*R*,4*S*,4a*S*,5*R*,6*R*,7*S*,8*S*,8a*R*)-1,2,3,4,10,10-hexachloro-1,4,4a,5,6,7,8,8a-octahydro-6,7-epoxy-1,4:5,8-dimethanonaphthalene**; HEOD; 1.2,3,4,10,10,-Hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-1,4-endo,exo-5,8-dimethanonaphthalene
Authority: ISO
Note(s): CAS 60-57-1
NPU16635
Air(amb)—Dieldrin; subst.c. = ? μmol/m^3

Food(specification)—Dieldrin;
substance content
nanomole/kilogram
M = 380.93 g/mol
Other term(s): **(1*R*,4*S*,4a*S*,5*R*,6*R*,7*S*,8*S*,8a*R*)-1,2,3,4,10,10-hexachloro-1,4,4a,5,6,7,8,8a-octahydro-6,7-epoxy-1,4:5,8-dimethanonaphthalene**; HEOD; 1.2,3,4,10,10,-Hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-1,4-endo,exo-5,8-dimethanonaphthalene
Authority: ISO
Note(s): CAS 60-57-1
NPU16636
Food(specification)—Dieldrin; subst.cont. = ? nmol/kg

Water(drinking)—Dieldrin;
substance concentration
nanomole/litre
M = 380,93 g/mol
Other term(s): **(1*R*,4*S*,4a*S*,5*R*,6*R*,7*S*,8*S*,8a*R*)-1,2,3,4,10,10-hexachloro-1,4,4a,5,6,7,8,8a-octahydro-6,7-epoxy-1,4:5,8-dimethanonaphthalene**; HEOD; 1.2,3,4,10,10,-Hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-1,4-endo,exo-5,8-dimethanonaphthalene
Authority: ISO
Note(s): CAS 60-57-1
NPU16637
Water(drinking)—Dieldrin; subst.c. = ? nmol/l

Plasma—
Diethylene glycol;
substance concentration
millimole/litre
M = 106.12 g/mol
Other term(s): **2,2'-Oxydiethanol**
Note(s): CAS 111-46-6
NPU16638
P-Diethylene glycol; subst.c. = ? mmol/l

Air(ambient)—
Diethylhexyl phthalate;
substance concentration
micromole/cubic metre
M = 388.55 g/mol
Other term(s): **Bis(2-ethylhexyl) benzene-1,2-dicarboxylate**; 1,2-Benzenedicarboxylic acid bis(2-ethylhexyl) ester; Bis(2-ethylhexyl) phthalate; DEHP; Di(2-ethylhexyl) phthalate; Dioctyl phthalate; Octoil
Note(s): CAS 117-81-7 (Diethylhexyl phthalic acid)
NPU16639
Air(amb)—Diethylhexyl phthalate; subst.c. = ? $\mu mol/m^3$

Food(specification)—
Diethylhexyl phthalate;
substance content
micromole/kilogram
M = 388.55 g/mol
Other term(s): **Bis(2-ethylhexyl) benzene-1,2-dicarboxylate**; 1,2-Benzenedicarboxylic acid bis(2-ethylhexyl) ester; Bis(2-ethylhexyl) phthalate; DEHP; Di(2-ethylhexyl) phthalate; Dioctyl phthalate; Octoil
Note(s): CAS 117-81-7 (Diethylhexyl phthalic acid)
NPU16640
Food(specification)—Diethylhexyl phthalate; subst.cont. = ? μmol/kg

Water(drinking)—
Diethylhexyl phthalate;
substance concentration
nanomole/litre
M = 388.55 g/mol
Other term(s): **Bis(2-ethylhexyl) benzene-1,2-dicarboxylate**; 1,2-Benzenedicarboxylic acid bis(2-ethylhexyl) ester; Bis(2-ethylhexyl) phthalate; DEHP; Di(2-ethylhexyl) phthalate; Dioctyl phthalate; Octoil
Note(s): CAS 117-81-7 (Diethylhexyl phthalic acid)
NPU16641
Water(drinking)—Diethylhexyl phthalate; subst.c. = ? nmol/l

Air(ambient)—
Diethyl phthalate;
substance concentration
micromole/cubic metre
M = 220.24 g/mol
Other term(s): **1,2-Benzenedicarboxylic acid, diethyl ester;** Diethyl benzene-1,2-dicarboxylate; DEP; Diethyl ester of phthalic acid; Ethyl phthalate
Note(s): CAS 84-66-2 (diethyl phthalic acid)
NPU16642
Air(amb)—Diethyl phthalate; subst.c. = ? $\mu mol/m^3$

Water(drinking)—
Diethyl phthalate;
substance concentration
nanomole/litre
M = 220.24 g/mol
Other term(s): **1,2-Benzenedicarboxylic acid, diethyl ester;** Diethyl benzene-1,2-dicarboxylate; DEP; Diethyl ester of phthalic acid; Ethyl phthalate
Note(s): CAS 84-66-2 (diethyl phthalic acid)
NPU16643
Water(drinking)—Diethyl phthalate; subst.c. = ? nmol/l

Blood—
Diethylstilboestrol;
substance concentration
micromole/litre
M = 268.36 g/mol
Other term(s): Antigestil; Bufon; Cyren A; DES; Diethylstilbestrol; Diethylstilbestrolum; Domestrol; Estrobene; Estrosyn; Fonatol; Grafestrol; Makarol; Micrest; Milestro; Neo-Oestranol I; NSC-3070; Oestrogenine; Oestromenin; Oestromensyl; Oestromon; Palestrol; Serral; Sexocretin; Sibol; Stilbestrol; Stilbetin; Stilboefral; Stilboestroform; Stilboestrol; Stilkap; Synestrin; Synthoestrin; Vagestrol
Authority: INN
Note(s): CAS 56-53-1
NPU16644
B—Diethylstilboestrol; subst.c. = ? μmol/l

Food(specification)—
Dimethoate;
substance content
nanomole/kg
M = 229.28 g/mol
Other term(s): ***O,O,*-dimethyl *S*-(methylcarbamoyl) phosphorodithioate**; American Cyanamide 12880; Cygon; Fostion MM; Perfekthion; Rogor; Roxion
Authority: ISO
Note(s): CAS 60-51-5
NPU16645
Food (specification)—Dimethoate; subst.cont. = ? nmol/kg

Water(drinking)—
Dimethoate;
substance concentration
nanomole/litre
M = 229.28 g/mol
Other term(s): ***O,O*-dimethyl *S*-(methylcarbamoyl) phosphorodithioate**; American Cyanamide 12880; Cygon; Fostion MM; Perfekthion; Rogor; Roxion
Authority: ISO
Note(s): CAS 60-51-5
NPU16646
Water(drinking)—Dimethoate; subst.c. = ? nmol/l

Air(ambient)—
***N,N*-**
Dimethylformamide;
substance concentration
millimole/cubic metre
M = 73.09 g/mol
Other term(s): Dimethylformamide; DMF
Note(s): CAS 68-12-2
NPU16647
Air(amb)—*N,N*-Dimethylformamide; subst.c. = ? mmol/m^3

Water(drinking)—
***N,N*-**
Dimethylformamide;
substance concentration
nanomole/litre
M = 73.09 g/mol
Other term(s): Dimethylformamide; DMF
Note(s): CAS 68-12-2
NPU16648
Water(drinking)—*N,N*-Dimethylformamide; subst.c. = ? nmol/l

Air(ambient)—
Dimethylmercury;
substance concentration
nanomole/cubic metre
M = 230.66 g/mol
Note(s): CAS 593-74-8
NPU16649
Air(amb)—Dimethylmercury; subst.c. = ? nmol/m^3

Air(ambient)—
Dimethyl sulfate;
substance concentration
micromole/cubic metre
M = 126.13 g/mol
Other term(s): Dimethyl ester of sulfuric acid; Methyl sulfate
Note(s): CAS 77-78-1
NPU16650
Air(amb)—Dimethyl sulfate; subst.c. = ? μmol/m^3

Water(drinking)—
Dimethyl sulfate;
substance concentration
nanomole/litre
M = 126.13 g/mol
Other term(s): Dimethyl ester of sulfuric acid; Methyl sulfate
Note(s): CAS 77-78-1
NPU16651
Water(drinking)—Dimethyl sulfate; subst.c. = ? nmol/l

Blood—
Dimethyl sulfoxide;
substance concentration
millimole/litre
M = 78.14 g/mol
Other term(s): **(Methanesulfinyl)methane**; Deltan; Demasorb; Demavet; Demeso; Dimethyl sulphoxide; DMSO; DMS-70; DMS-90; Dolicur; Domoso; Dromisol; Gamasol 90; Hyadur; Kemsol; Methyl sulfoxide; Methyl sulphoxide; Rimso-50; Sclerosol; Somipront; SQ-9453; Syntexan
Note(s): CAS 67-68-5
NPU16652
B—Dimethyl sulfoxide; subst.c. = ? mmol/l

Air(ambient)—
4,6-
Dinitro-*o*-cresol;
substance concentration
micromole/cubic metre
M = 198.13 g/mol
Other term(s): **2-Methyl-4,6-dinitrophenol**; Dinitro-*o*-cresol; 3,5-Dinitro-2-hydroxytoluene; 4,6-Dinitro-2-methylphenol; DNC; DNOC
Note(s): CAS 534-52-1
NPU16653
Air(amb)—4.6-Dinitro-*o*-cresol; subst.c. = ? μmol/m^3

Water(drinking)—
4,6-
Dinitro-*o*-cresol;
substance concentration
nanomole/litre
M = 198.13 g/mol
Other term(s): **2-Methyl-4,6-dinitrophenol**; Dinitro-*o*-cresol; 3,5-Dinitro-2-hydroxytoluene; 4,6-Dinitro-2-methylphenol; DNC; DNOC
Note(s): CAS 534-52-1
NPU16654
Water(drinking)—4,6-Dinitro-*o*-cresol; subst.c. = ? nmol/l

Air(ambient)—
Diquat;
substance concentration
micromole/cubic metre
M = 344.05 g/mol

Other term(s): **9,10-Dihydro-8a,10a-diazoniaphenanthrene**; Diquat dibromide; 1,1'-Ethylene-2,2'-bipyridylium dibromide
Authority: ISO
Note(s): CAS 85-00-7
NPU16655
Air(amb)—Diquat; subst.c. = ? μmol/m^3

Water(drinking)—Diquat;
substance concentration
nanomole/litre
M = 344.05 g/mol
Other term(s): **9,10-Dihydro-8a,10a-diazoniaphenanthrene**; Diquat dibromide; 1,1'-Ethylene-2,2'-bipyridylium dibromide
Authority: ISO
Note(s): CAS 85-00-7
NPU16656
Water(drinking)—Diquat; subst.c. = ? nmol/l

Plasma—Drugs
arbitrary concentration(0 1; procedure)
Note(s): Examples are Amfetamine; Amitriptyline; Cocaine; Morphine; Phenobarbital; Temazepam
NPU16657
P—Drugs; arb. c.(0 1; proc.) = ?

Air(ambient)—Endosulfan;
substance concentration
micromole/cubic metre
M = 406.95 g/mol
Other term(s): **(1,4,5,6,7,7-Hexachloro-8,9,10-trinorborn-5-ene-2,3-diyl)bismethylene sulfite**; Benzoepin; Endosulphan; 6,7,8,9,10,10-Hexachloro-1,5,5a,6,9,9a-hexahydro-6,9-methano-2,4,3-benzodioxathiepin 3-oxide; Thiodan
Authority: ISO
Note(s): CAS Registry Number: 115-29-7
NPU16659
Air(amb)—Endosulfan; subst.c. = ? μmol/m^3

Water(drinking)—Endosulfan;
substance concentration
nanomole/litre
M = 406.95 g/mol
Other term(s): **(1,4,5,6,7,7-Hexachloro-8,9,10-trinorborn-5-ene-2,3-diyl)bismethylene sulfite**; Benzoepin; Endosulphan; 6,7,8,9,10,10-Hexachloro-1,5,5a,6,9,9a-hexahydro-6,9-methano-2,4,3-benzodioxathiepin 3-oxide; Thiodan
Authority: ISO
Note(s): CAS Registry Number: 115-29-7
NPU16660
Water(drinking)—Endosulfan; subst.c. = ? nmol/l

Air(ambient)—Endrin;
substance concentration
micromole/cubic metre
M = 380.93 g/mol
Other term(s): **(1*R*,4*S*,4a*S*,5*S*,6*S*,7*R*,8*R*,8a*R*)-1,2,3,4,10,10-hexachloro-1,4,4a,5,6,7,8,8a-octahydro-6,7-epoxy-1,4:5,8-dimethanonaphthalene**; 1,2,3,4,10,10-Hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-1,4-endo,endo-5,8-dimethanonaphthalene; Hexadrin
Authority: ISO
Note(s): CAS Registry Number: 72-20-8
NPU16661
Air(amb)—Endrin; subst.c. = ? μmol/m^3

Water(drinking)—Endrin;
substance concentration
nanomole/litre
M = 380.93 g/mol
Other term(s): **(1*R*,4*S*,4a*S*,5*S*,6*S*,7*R*,8*R*,8a*R*)-1,2,3,4,10,10-hexachloro-1,4,4a,5,6,7,8,8a-octahydro-6,7-epoxy-1,4:5,8-dimethanonaphthalene**; 1,2,3,4,10,10-Hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-1,4-endo,endo-5,8-dimethanonaphthalene; Hexadrin
Authority: ISO
Note(s): CAS Registry Number: 72-20-8
NPU16662
Water(drinking)—Endrin; subst.c. = ? nmol/l

Air(ambient)—Epichlorohydrin;
substance concentration
micromole/cubic metre
M = 92.53 g/mol
Other term(s): **(Chloromethyl)oxirane**; 1-Chloro-2,3-epoxypropane; 2-Chloropropylene oxide; γ-Chloropropylene oxide
Note(s): CAS 106-89-8
NPU16663
Air(amb)—Epichlorohydrin; subst.c. = ? μmol/m^3

Water(drinking)—Epichlorohydrin;
substance concentration
nanomole/litre
M = 92.53 g/mol
Other term(s): **(Chloromethyl)oxirane**; 1-Chloro-2,3-epoxypropane; 2-Chloropropylene oxide; γ-Chloropropylene oxide
Note(s): CAS 106-89-8
NPU16664
Water(drinking)—Epichlorohydrin; subst.c. = ? nmol/l

Air(specification)—
Ethanol;
substance concentration
millimole/cubic metre
M = 46.07 g/mol
Other term(s): 'Alcohol'; Ethyl alcohol; Ethyl hydrate; Ethyl hydroxide; Hydroxyethane
Note(s): CAS 64-17-5
NPU16665
Air(spec)—Ethanol; subst.c. = ? mmol/m^3

Beverage(specification)—
Ethanol;
volume fraction
one
M = 46.07 g/mol
Other term(s): 'Alcohol'; Ethyl alcohol; Ethyl hydrate; Ethyl hydroxide; Hydroxyethane
Note(s): CAS 64-17-5
NPU16666
Beverage(specification)—Ethanol; vol.fr. = ?

Blood—
Ethanol;
substance concentration
millimole/litre
M = 46.07 g/mol
Other term(s): 'Alcohol'; Ethyl alcohol; Ethyl hydrate; Ethyl hydroxide; Hydroxyethane
Note(s): CAS 64-17-5
NPU18970
P—Ethanol; subst.c. = ? mmol/l

Plasma—
Ethanol;
substance concentration
millimole/litre
M = 46.07 g/mol
Other term(s): 'Alcohol'; Ethyl alcohol; Ethyl hydrate; Ethyl hydroxide; Hydroxyethane
Note(s): CAS 64-17-5
NPU01992
P—Ethanol; subst.c. = ? mmol/l

Urine—
Ethanol;
substance concentration
millimole/litre
M = 46.07 g/mol
Other term(s): 'Alcohol'; Ethyl alcohol; Ethyl hydrate; Ethyl hydroxide; Hydroxyethane
Note(s): CAS 64-17-5
NPU01993
U—Ethanol; subst.c. = ? mmol/l

Water(drinking)—
Ethanol;
substance concentration
nanomole/litre
M = 46.07 g/mol
Other term(s): 'Alcohol'; Ethyl alcohol; Ethyl hydrate; Ethyl hydroxide; Hydroxyethane
Note(s): CAS 64-17-5
NPU16668
Water(drinking)—Ethanol; subst.c. = ? nmol/l

Air(ambient)—
2-
Ethoxyethanol;
substance concentration
micromole/cubic metre
M = 90.12 g/mol
Other term(s): Cellosolve; EGEE; Ethylene glycol monoethyl ether
Note(s): CAS 110-80-5
NPU16669
Air(amb)—2-Ethoxyethanol; subst.c. = ? μmol/m^3

Air(ambient)—
Ethylbenzene;
substance concentration
millimole/cubic metre
M = 106.16 g/mol
Other term(s): Ethylbenzol; Phenylethane
Note(s): CAS 100-41-4
NPU16670
Air(amb)—Ethylbenzene; subst.c. = ? mmol/m^3

Water(drinking)—
Ethylbenzene;
substance concentration
nanomole/litre
M = 106.16 g/mol
Other term(s): Ethylbenzol; Phenylethane
Note(s): CAS 100-41-4
NPU16671
Water(drinking)—Ethylbenzene; subst.c. = ? nmol/l

Air(ambient)—
Ethylene glycol;
substance concentration
micromole/cubic metre
M = 62.07 g/mol
Other term(s): **Ethane-1,2-diol**; 1,2-Dihydroxyethane; 1,2-Ethanediol; Glycol; Glycol alcohol; Monoethylene glycol
Note(s): CAS 107-21-1
NPU16672
Air(amb)—Ethylene glycol; subst.c. = ? μmol/m^3

Beverage(specification)—
Ethylene glycol;
substance concentration
nanomole/litre
M = 62.07 g/mol
Other term(s): **Ethanediol**; 1.2-Dihydroxyethane; 1,2-Ethanediol; Glycol; Glycol alcohol; Monoethylene glycol
Note(s): CAS 107-21-1

NPU16673
Beverage(specification)—Ethylene glycol; subst.c. = ? nmol/l

Plasma—
Ethylene glycol;
substance concentration
millimole/litre
M = 46.07 g/mol
Other term(s): **Ethanediol**; 1.2-Dihydroxyethane; 1,2-Ethanediol; Glycol; Glycol alcohol; Monoethylene glycol
Note(s): CAS 107-21-1
NPU16674
P—Ethylene glycol; subst.c. = ? mmol/l

Water(drinking)—
Ethylene glycol;
substance concentration
nanomole/litre
M = 62.07 g/mol
Other term(s): **Ethanediol**; 1,2-Dihydroxyethane; 1,2-Ethanediol; Glycol; Glycol alcohol; Monoethylene glycol
Note(s): CAS 107-21-1
NPU16675
Water(drinking)—Ethylene glycol; subst.c. = ? nmol/l

Air(ambient)—
Ethylene oxide;
substance concentration
micromole/cubic metre
M = 44.06 g/mol
Other term(s): **Oxirane**; Dimethylene oxide; 1,2-Epoxy ethane
Note(s): CAS 75-21-8
NPU16676
Air(amb)—Ethylene oxide; subst.c. = ? μmol/m^3

Water(drinking)—
Ethylene oxide;
substance concentration
nanomole/litre
M = 44.06 g/mol
Other term(s): **Oxirane**; Dimethylene oxide; 1,2-Epoxy ethane
Note(s): CAS 75-21-8
NPU16677
Water(drinking)—Ethylene oxide; subst.c. = ? nmol/l

Urine—
Ethylglucuronide;
substance concentration
micromole/litre
M = 116.95 g/mol
Other term(s): **Ethyl a-D-glucopyranosiduronate**
Note(s): CAS 17685-04-0

NPU16678
U—Ethylglucuronide; subst.c. = ? μmol/l

Urine—
2-Ethylidene-1,5-dimethyl-3,3-diphenylpyrrolidine;
substance concentration
micromole/litre
M = 277.41 g/mol
Other term(s): 1,5-Dimethyl-3,3-diphenyl-2-ethylidenepyrrolidine; EDDP; Eddp-3,3; 2-Et-1,5-Dime-3,3-DPP
Note(s): CAS 30223-73-5; methadone metabolite
NPU16658
U—2-Ethylidene-1,5-dimethyl-3,3-diphenylpyrrolidine; subst.c. = ? μmol/l

Blood—
Ethylmercury chloride(Hg);
substance concentration
nanomole/litre
M = 265.10 g/mol
Other term(s): Chloroethylmercury; Ethylmercuric chloride; Granosan
Note(s): CAS 107-27-7
NPU16679
B—Ethylmercury chloride(Hg); subst.c. = ? nmol/l

Air(ambient)—
Fenitrothion;
substance concentration
micromole/cubic metre
M = 277.25 g/mol
Other term(s): ***O,O*-dimethyl *O*-(3-methyl-4-nitrophenyl) phosphorothioate**; AC-47300; Accothion; Bayer 41831; Bayer S 5660; Cyfen; Cyten; *O*,*O*-dimethyl *O*-4-nitro-*m*-tolyl phosphorothioate; *O*,*O*-dimethyl *O*-4-nitro-*m*-tolyl thiophosphate; ENT-25715; Folithion; MEP; Metathion; OMS-45; Sumithion
Authority: ISO
Note(s): CAS 122-14-5
NPU16680
Air(amb)—Fenitrothion; subst.c. = ? μmol/m^3

Water(drinking)—
Fenitrothion;
substance concentration
nanomole/litre
M = 277.25 g/mol
Other term(s): ***O,O*-dimethyl *O*-(3-methyl-4-nitrophenyl) phosphorothioate**; AC-47300; Accothion; Bayer 41831; Bayer S 5660; Cyfen; Cyten; *O*,*O*-dimethyl *O*-4-nitro-*m*-tolyl phosphorothioate; *O*,*O*-dimethyl *O*-4-nitro-*m*-tolyl thiophosphate; ENT-25715; Folithion; MEP; Metathion; OMS-45; Sumithion
Authority: ISO
Note(s): CAS 122-14-5
NPU16681
Water(drinking)—Fenitrothion; subst.c. = ? nmol/l

Air(ambient)—
Fenvalerate;
substance concentration
micromole/cubic metre
M = 419.93 g/mol
Other term(s): **(*RS*)-a-Cyano-3-phenoxybenzyl (*RS*)-2-(4-chlorophenyl)-3-methylbutanoate**; Belmark; Cyano(3-phenoxyphenyl)methyl 4-chloro-a-(1-methylethyl)benzeneacetate; Phenvalerate; Pydrin; Pyridin; S-5602; SD-43775; Sumicidin; Tirade; WL-43775
Authority: ISO
Note(s): CAS Registry Number: 51630-58-1
NPU16682
Air(amb)—Fenvalerate; subst.c. = ? μmol/m^3

Water(drinking)—
Fenvalerate;
substance concentration
nanomole/litre
M = 419.93 g/mol
Other term(s): **(*RS*)-a-Cyano-3-phenoxybenzyl (*RS*)-2-(4-chlorophenyl)-3-methylbutanoate**; Belmark; Cyano(3-phenoxyphenyl)methyl 4-chloro-a-(1-methylethyl)benzeneacetate; Phenvalerate; Pydrin; Pyridin; S-5602; SD-43775; Sumicidin; Tirade; WL-43775
Authority: ISO
Note(s): CAS Registry Number: 51630-58-1
NPU16683
Water(drinking)—Fenvalerate; subst.c. = ? nmol/l

Plasma—
Fluoride;
substance concentration
micromole/litre
A = 19.00 g/mol
Note(s): CAS 16894-48-8; Atomic mass for elemental fluorine
NPU04882
P—Fluoride ion; subst.c. = ? μmol/l

Water(drinking)—
Fluoride;
substance concentration
micromole/litre
A = 19.00 g/mol
Note(s): CAS 16894-48-8; Atomic mass for elemental fluorine
NPU16684
Water(drinking)—Fluoride ion; subst.c. = ? μmol/l

Air(ambient)—
Fluorine(total);
substance concentration
micromole/cubic metre
A = 19.00 g/mol
Note(s): CAS 7782-41-4 (fluorine gas); Atomic mass for elemental fluorine
NPU16685
Air(amb)—Fluorine(total); subst.c. = ? μmol/m^3

Air(ambient)—
Fluorine(gas);
substance concentration
micromole/cubic metre
M = 38.00 g/mol
Other term(s): **Difluorine**
Note(s): CAS 7782-41-4
NPU16686
Air(amb)—Fluorine(gas); subst.c. = ? μmol/m^3

Air(ambient)—
Formaldehyde;
substance concentration
micromole/cubic metre
M = 30.03 g/mol
Other term(s): Methanal; Methyl anhydride; Methylene oxide
Note(s): CAS 50-00-0
NPU16687
Air(amb)—Formaldehyde; subst.c. = ? μmol/m^3

Water(drinking)—
Formaldehyde;
substance concentration
nanomole/litre
M = 30.03 g/mol
Other term(s): Methanal; Methyl anhydride; Methylene oxide
Note(s): CAS 50-00-0
NPU16688
Water(drinking)—Formaldehyde; subst.c. = ? nmol/l

Air(ambient)—
Formate;
substance concentration
micromole/cubic metre
M(formic acid) = 45.03 g/mol
Other term(s): Hydrogen carboxylate; Methanoate
Note(s): CAS 64-18-6 (formic acid)
NPU16689
Air(amb)—Formate; subst.c. = ? μmol/m^3

Plasma—
Formate;
substance concentration
millimole/litre
M(formic acid) = 45.03 g/mol
Other term(s): Hydrogen carboxylate; Methanoate
Note(s): CAS 64-18-6 (formic acid)
NPU16690
P—Formate; subst.c. = ? mmol/l

Urine—
Formate;
substance concentration
millimole/litre

M(formic acid) = 45.03 g/mol
Other term(s): Hydrogen carboxylate; Methanoate
Note(s): CAS 64-18-6 (formic acid)
NPU16691
U—Formate; subst.c. = ? mmol/l

Water(drinking)—Formate;
substance concentration
millimole/litre
M(formic acid) = 45.03 g/mol
Other term(s): Hydrogen carboxylate; Methanoate
Note(s): CAS 64-18-6 (formic acid)
NPU16692
Water(drinking)—Formate; subst.c. = ? mmol/l

Plasma—Glycolate;
substance concentration
millimole/litre
M(glycolic acid) = 75.05 g/mol
Other term(s): **Hydroxyacetate**; Glycollate; Hydroxyethanoate;
Note(s): CAS 79-14-1 (glycolic acid)
NPU16693
P—Glycolate; subst.c. = ? mmol/l

Plasma—Glycolaldehyde;
substance concentration
millimole/litre
M = 134.17 g/mol
Other term(s): **Hydroxyacetaldehyde**
Note(s): CAS 621-63-6
NPU16694
P—Glycolaldehyde; subst.c. = ? mmol/l

Plasma—Glyoxylate;
substance concentration
millimole/litre
M(= 71.04 g/mol
Other term(s): **Oxoacetate**; Formylformate; Glyoxalate; Oxoethanoate
Note(s): CAS 298-12-4
NPU16695
P—Glyoxylate; subst.c. = mmol/l

Air(ambient)—Glyphosate;
substance concentration
micromole/cubic metre
M = 169.07 g/mol
Other term(s): ***N*-(phosphonomethyl)glycine**; Glifinox; Glycel; Honcho; Jury; Roundup (41 %); Weedoff
Authority: ISO
Note(s): CAS 1071-83-6
NPU16696
Air(amb)—Glyphosate; subst.c. = ? μmol/m^3

Water(drinking)—Glyphosate;
substance concentration
nanomole/litre
M = 169.07 g/mol
Other term(s): ***N*-(phosphonomethyl)glycine**; Glifinox; Glycel; Honcho; Jury; Roundup (41 %); Weedoff
Authority: ISO
Note(s): CAS 1071-83-6
NPU16697
Water(drinking)—Glyphosate; subst.c. = ? nmol/l

Air(ambient)—Heptachlor;
substance concentration
micromole/cubic metre
M = 373.35 g/mol
Other term(s): **1*H*-1,4,5,6,7,8,8-Heptachloro-3a,4,7,7a-tetrahydro-4,7-methanoindene**; Heptachlore
Authority: ISO
Note(s): CAS 76-44-8
NPU16698
Air(amb)—Heptachlor; subst.c. = ? μmol/m^3

Water(drinking)—Heptachlor;
substance concentration
nanomole/litre
M = 373.35 g/mol
Other term(s): **1*H*-1,4,5,6,7,8,8-Heptachloro-3a,4,7,7a-tetrahydro-4,7-methanoindene**; Heptachlore
Authority: ISO
Note(s): CAS 76-44-8
NPU16699
Water(drinking)—Heptachlor; subst.c. = ? nmol/l

Air(ambient)—Hexachlorobenzene;
substance concentration
micromole/cubic metre
M = 284.78 g/mol
Other term(s): HCB
Note(s): CAS 118-74-1
NPU16700
Air(amb)—Hexachlorobenzene; subst.c. = ? μmol/m^3

Water(drinking)—Hexachlorobenzene;
substance concentration
nanomole/litre
M = 284.78 g/mol
Other term(s): HCB
Note(s): CAS 118-74-1

NPU16701
Water(drinking)—Hexachlorobenzene; subst.c. = ? nmol/l

Air(ambient)—Hexachlorobutadiene;
substance concentration
micromole/cubic metre
M = 260.76 g/mol
Other term(s): **1,1,2,3,4,4-Hexachlorobuta-1,3-diene**; HCBD; Hexachloro-1,3-butadiene; 1,3-Hexachlorobutadiene; Perchlorobutadiene
Note(s): CAS 87-68-3
NPU16702
Air(amb)—Hexachlorobutadiene; subst.c. = ? μmol/m^3

Water(drinking)—Hexachlorobutadiene;
substance concentration
nanomole/litre
M = 260.76 g/mol
Other term(s): **1,1,2,3,4,4-Hexachlorobuta-1,3-diene**; HCBD; Hexachloro-1,3-butadiene; 1,3-Hexachlorobutadiene; Perchlorobutadiene
Note(s): CAS 87-68-3
NPU16703
Water(drinking)—Hexachlorobutadiene; subst.c. = ? nmol/l

Air(ambient)—Hexachlorocyclopentadiene;
substance concentration
micromole/cubic metre
M = 272.75 g/mol
Other term(s): **1,2,3,4,5,5-Hexachlorocyclopenta-1,3-diene**; HCCPD; Hexachloro-1,3-cyclopentadiene; 1,2,3,4,5,5-Hexachloro-1,3-cyclopentadiene; Perchlorocyclopentadiene
Note(s): CAS 77-47-4
NPU16704
Air(amb)—Hexachlorocyclopentadiene; subst.c. = ? μmol/m^3

Water(drinking)—Hexachlorocyclopentadiene;
substance concentration
nanomole/litre
M = 272.75 g/mol
Other term(s): **1,2,3,4,5,5-Hexachlorocyclopenta-1,3-diene**; HCCPD; Hexachloro-1,3-cyclopentadiene; 1,2,3,4,5,5-Hexachloro-1,3-cyclopentadiene; Perchlorocyclopentadiene
Note(s): CAS 77-47-4
NPU16705
Water(drinking)—Hexachlorocyclopentadiene; subst.c. = ? nmol/l

Air(ambient)—*n*-Hexane;
substance concentration
millimole/cubic metre
M = 86.18 g/mol
Other term(s): **Hexane**; Hexyl hydride; Normal-hexane
Note(s): CAS 110-54-3
NPU16706
Air(amb)—*n*-Hexane; subst.c. = ? mmol/m^3

Water(drinking)—*n*-Hexane;
substance concentration
nanomole/litre
M = 86.18 g/mol
Other term(s): **Hexane**; Hexyl hydride; Normal-hexane
Note(s): CAS 110-54-3
NPU16707
Water(drinking)—*n*-Hexane; subst.c. = ? nmol/l

Air(ambient)—Hydrazine;
substance concentration
micromole/cubic metre
M = 32.06 g/mol
Other term(s): **Diazane**; Diamine; Hydrazine base
Note(s): CAS 302-01-2
NPU16708
Air(amb)—Hydrazine; subst.c. = ? μmol/m^3

Air(ambient)—Hydrogen bromide
substance concentration
micromole/cubic metre
M = 80.92 g/mol
Note(s): CAS 10035-10-6
NPU16709
Air(amb)—Hydrogen bromide; subst.c. = ? μmol/m^3

Air(ambient)—Hydrogen chloride
substance concentration
micromole/cubic metre
M = 36.47 g/mol
Other term(s): Muriatic acid
Note(s): CAS 7647-01-0
NPU16710
Air(amb)—Hydrogen chloride; subst.c. = ? μmol/m^3

Air(ambient)—Hydrogen cyanide;
substance concentration
micromole/cubic metre
M = 27.03 g/mol

Other term(s): Formonitrile; Hydrocyanic acid; Prussic acid
Note(s): CAS 74-90-8
NPU16711
Air(amb)—Hydrogen cyanide; subst.c. = ? μmol/m^3

Air(ambient)—
Hydrogen fluoride;
substance concentration
micromole/cubic metre
M = 20.01 g/mol
Note(s): CAS 7664-39-3
NPU16712
Air(amb)—Hydrogen fluoride; subst.c. = ? μmol/m^3

Air(ambient)—
Hydrogen sulfide;
substance concentration
micromole/cubic metre
M = 34.08 g/mol
Other term(s): Hydrosulfuric acid; Sewer gas; Sulfuretted hydrogen
Note(s): CAS 7783-06-4
NPU16713
Air(amb)—Hydrogen sulfide; subst.c. = ? μmol/m^3

Water(drinking)—
Hydrogen sulfide;
substance concentration
micromole/litre
M = 34.08 g/mol
Other term(s): Hydrosulfuric acid; Sewer gas; Sulfuretted hydrogen
Note(s): 7783-06-4
NPU16714
Water(drinking)—Hydrogen sulfide; subst.c. = ? μmol/l

Air(ambient)—
Hydroquinone;
substance concentration
micromole/cubic metre
M = 110.11 g/mol
Other term(s): **Benzene-1,4-diol**; *p*-Benzenediol; 1,4-Benzenediol; Dihydroxybenzene; 1,4-Dihydroxybenzene; Quinol
Note(s): CAS 123-31-9
NPU16715
Air(amb)—Hydroquinone; subst.c. = ? μmol/m^3

Water(drinking)—
Hydroquinone;
substance concentration
nanomole/litre
M = 110.11 g/mol
Other term(s): **Benzene-1,4-diol**; *p*-Benzenediol; 1,4-Benzenediol; Dihydroxybenzene; 1,4-Dihydroxybenzene; Quinol
Note(s): CAS 123-31-9
NPU16716
Water(drinking)—Hydroquinone; subst.c. = ? nmol/l

Urine—
Iodide;
substance concentration
micromole/litre
A = 126.90 g/mol
Note(s): CAS 20461-54-5; Atomic mass for elemental iodine
NPU04884
U—Iodide ion; subst.c. ? μmol/l

Air(ambient)—
Iodine(total);
substance concentration
micromole/cubic metre
A = 126.90 g/mol
Note(s): CAS 7553-56-2; Atomic mass for elemental iodine
NPU16717
Air(amb)—Iodine(total); subst.c. = ? μmol/m^3

Air(ambient)—
Iodine;
substance concentration
micromole/cubic metre
M = 253.81 g/mol
Note(s): CAS 7553-56-2
NPU16718
Air(amb)—Iodine(I_2); subst.c. = ? μmol/m^3

Plasma—
Iron(III);
substance concentration
micromole/litre
A = 55.85 g/mol
Note(s) 1: CAS 7439-89-6 (element); Atomic mass for elemental iron
NPU16917
P—Iron(III); subst.c. = ? μmol/l

Urine—
Iron(III);
substance concentration
micromole/litre
A = 55.85 g/mol
Note(s) 1: CAS 7439-89-6 (element); Atomic mass for elemental iron
NPU16944
U—Iron(III); subst.c. ? μmol/l

Air(ambient)—
Iron(II and III) oxide(dust and fume);
substance concentration
micromole/cubic metre
M(Iron(III) oxide) = 159.68 g/mol

Note(s): CAS 1309-37-1 (ferric oxide); Molar mass for ferric oxide
NPU16719
Air(amb)—Iron(II and III) oxide(dust and fume); subst.c. = ? μmol/m^3

Air(ambient)—
Iron pentacarbonyl;
substance concentration
micromole/cubic metre
M = 195.90 g/mol
Other term(s): **Pentacarbonyliron**
Note(s): CAS 13463-40-6
NPU16720
Air(amb)—Iron pentacarbonyl; subst.c. = ? μmol/m^3

Air(ambient)—
Iron(II and III) salts(soluble);
substance concentration(procedure)
micromole/cubic metre
A = 55.85 g/mol
Note(s): CAS 7439-89-6 (element); Atomic mass for elemental iron
NPU16721
Air(amb)—Iron(II and III) salts (soluble); subst.c.(proc.) = ? μmol/m^3

Water(drinking)—
Iron(II and III) salts(soluble);
substance concentration (procedure)
micromole/litre
A = 55.85 g/mol
Note(s): CAS 7439-89-6 (element); Atomic mass for elemental iron
NPU16722
Water(drinking)—Iron(II and III) salts(soluble); subst.c(proc.). = ? μmol/l

Water(drinking)—
Isobenzan;
substance concentration
micromole/litre
M = 411.75 g/mol
Other term(s): **1,3,4,5,6,7,8,8-Octachloro-1,3,3a,4,7,7a-hexahydro-4,7-methanoisobenzofuran**; 1,3,4,5,6,7,8,8-Octachloro-4,7-endomethylene-4,7,8,9-tetrahydrophthalan; Omtan; R-6700; SD-4402; Telodrin
Authority: ISO
Note(s): CAS 297-78-9
NPU16723
Water(drinking)—Isobenzan; subst.c. = ? μmol/l

Air(ambient)—
Isophorone;
substance concentration
micromole/cubic metre
M = 138.21 g/mol
Other term(s): **3,5,5-Trimethylcyclohex-2-en-1-one**; Isoacetophorone; 3,5,5-Trimethyl-2-cyclohexenone
Authority: INN
Note(s): CAS 78-59-1
NPU16724
Air(amb)—Isophorone; subst.c. = ? μmol/m^3

Water(drinking)—
Isophorone;
substance concentration
micromole/litre
M = 138.21 g/mol
Other term(s): **3,5,5-Trimethylcyclohex-2-en-1-one**; Isoacetophorone; 3,5,5-Trimethyl-2-cyclohexenone
Authority: INN
Note(s): CAS 78-59-1
NPU16725
Water(drinking)—Isophorone;subst.c. = ? μmol/l

Blood—
Lead(II);
substance concentration
micromole/litre
A = 207.20 g/mol
Note(s): CAS 7439-92-1 (element); Atomic mass for elemental lead
NPU16918
B—Lead(II); subst.c. = ? μmol/l

Cells(blood)—
Lead(II);
substance content
micromole/kilogram
A = 207.20 g/mol
Note(s): CAS 7439-92-1 (element); Atomic mass for elemental lead
NPU16919
Cells(b)—Lead(II); subst.cont. = ? μmol/kg

Plasma—
Lead(II);
substance concentration
micromole/litre
A = 207.20 g/mol
Note(s): CAS 7439-92-1 (element); Atomic mass for elemental lead
NPU16950
P—Lead(II); subst.c. = ? μmol/l

Urine—
Lead(II);
substance concentration
micromole/litre
A = 207.20 g/mol
Note(s): CAS 7439-92-1 (element); Atomic mass for elemental lead

NPU16920
U—Lead(II); subst.c. = ? μmol/l

Water(drinking)—
Lead(II);
substance concentration
nanomole/litre
A = 207.20 g/mol
Note(s): CAS 7439-92-1 (element); Atomic mass for elemental lead
NPU16726
Water(drinking)—Lead(II); subst.c. = ? nmol/l

Air(ambient)—
Lead(0, II and IV);
substance concentration
micromole/cubic metre
A = 207.20 g/mol
Note(s): CAS 7439-92-1 (element); Atomic mass for elemental lead
NPU16727
Air(amb)—Lead(0, II and IV); subst.c. = ? μmol/m^3

Air(ambient)—
Gamma-HCH;
substance concentration
micromole/cubic metre
M = 290.85 g/mol
Other term(s): **1α,2α,3β,4α,5α,6β-Hexachlorocyclohexane**; BHC; HCH; γ-Hexachlorocyclohexane; γ-isomer of 1,2,3,4,5,6-Hexachlorocyclohexane; Lindan; Lindane
Authority: ISO
Note(s): CAS 58-89-9
NPU16728
Air(amb)—Gamma-HCH; subst.c. = ? μmol/m^3

Water(drinking)
Gamma-HCH;
substance concentration
nanomole/litre
M = 290.85 g/mol
Other term(s): **1α,2α,3β,4α,5α,6β-Hexachlorocyclohexane**; BHC; HCH; γ-Hexachlorocyclohexane; γ-isomer of 1,2,3,4,5,6-Hexachlorocyclohexane; Lindan; Lindane
Authority: ISO
Note(s): CAS 58-89-9
NPU16729
Water(drinking)—Gamma-HCH; subst.c. = ? nmol/l

Air(ambient)—
Lithium hydride;
substance concentration
micromole/cubic metre
M = 7.95 g/mol
Note(s): CAS 7580-67-8
NPU16730
Air(amb)—Lithium hydride; subst.cont. = ? μmol/m^3

Plasma—
Lithium ion;
substance concentration
millimole/litre
A = 6.94 g/mol
Note(s): CAS 7459-93-2 (element); Atomic mass for elemental lithium
NPU02613
P—Lithium ion; subst.c. = ? mmol/l

Urine—
Lithium ion;
substance concentration
micromole/litre
A = 6.94 g/mol
Note(s): CAS 7459-93-2 (element); Atomic mass for elemental lithium
NPU04888
U—Lithium ion; subst.c. = ? μmol/l

Air(ambient)—
Magnesite;
substance concentration
micromole/cubic metre
M = 84.31 g/mol
Other term(s): **Magnesium carbonate**; Carbonic acid, magnesium salt
Note(s): CAS 546-93-0
NPU16731
Air(amb)—Magnesite; subst.c. = ? μmol/m^3

Plasma—
Magnesium(II) (total);
substance concentration
millimole/litre
A = 24.31 g/mol
Note(s): CAS 7439-95-4 (element); Atomic mass for elemental magnesium
NPU02647
P—Magnesium(II) (total); subst.c. = ? mmol/l

Urine—
Magnesium(II) (total);
substance concentration
millimole/litre
M = 24.31 g/mol
Note(s): CAS 7439-95-4 (element); Atomic mass for elemental magnesium
NPU02648
U—Magnesium(II) (total); subst.c. = ? mmol/l

Water(drinking)—
Magnesium(II) (total);
substance concentration
millimole/litre

A = 24.31 g/mol
Note(s): CAS 7439-95-4 (element); Atomic mass for elemental magnesium
NPU16732
Water(drinking)—Magnesium (II) (total); subst.c. = ? mmol/l

Air(ambient)—
Magnesium oxide (fume);
substance concentration
micromole/cubic metre
M = 40.30 g/mol
Note(s): CAS 1309-48-4
NPU16733
Air(amb)—Magnesium oxide fume; subst.c. = ? μmol/m^3

Air(ambient)—
Malathion;
substance concentration
micromole/cubic metre
M = 330.36 g/mol
Other term(s): ***S*-1,2-bis(ethoxycarbonyl)ethyl *O*,*O*-dimethyl phosphorodithioate**; Diethyl [(dimethoxyphosphinothioyl)thio]butanedioate
Authority: ISO
Note(s): CAS 121-75-5
NPU16734
Air(amb)—Malathion; subst.c. = ? μmol/m^3

Water(drinking)—
Malathion;
substance concentration
nanomole/litre
M = 330.36 g/mol
Other term(s): ***S*-1,2-bis(ethoxycarbonyl)ethyl *O*,*O*-dimethyl phosphorodithioate**; Diethyl [(dimethoxyphosphinothioyl)thio]butanedioate
Authority: ISO
Note(s): CAS 121-75-5
NPU16735
Water(drinking)—Malathion; subst.c. = ? nmol/l

Blood—
Manganese(II);
substance concentration
nanomole/litre
A = 54.94 g/mol
Note(s): CAS 7439-96-5 (element); Atomic mass for elemental manganese
NPU16921
B—Manganese(II); subst.c. = ? nmol/l

Cells(blood)—
Manganese(II);
substance content
nanomole/kilogram
A = 54.94 g/mol
Note(s): CAS 7439-96-5 (element); Atomic mass for elemental manganese
NPU16951
Cells(b)—Manganese(II); subst.cont. = ? nmol/kg

Plasma—
Manganese(II);
substance concentration
nanomole/litre
A = 54.94 g/mol
Note(s): CAS 7439-96-5 (element); Atomic mass for elemental manganese
NPU16922
P—Manganese(II); subst.c. = ? nmol/l

Urine—
Manganese(II);
substance concentration
nanomole/litre
A = 54.94 g/mol
Note(s): CAS 7439-96-5 (element); Atomic mass for elemental manganese
NPU16923
U—Manganese(II); subst.c. = ? nmol/l

Air(ambient)—
Manganese((II, III, IV, V, VI and VII) dust and fume);
substance concentration
micromole/cubic metre
A = 54.94 g/mol
Note(s): CAS 7439-96-5 (element); Atomic mass for elemental manganese
NPU16736
Air(amb)—Manganese((II, III, IV, V, VI and VII)dust and fume); subst.c. = ? μmol/m^3

Water(drinking)—
Manganese(II, III, IV, V, VI and VII);
substance concentration
micromole/litre
A = 54.94 g/mol
Note(s): CAS 7439-96-5 (element); Atomic mass for elemental manganese
NPU16737
Water(drinking)—Manganese(II, III, IV, V, VI and VII); subst.c. = ? μmol/l

Air(ambient)—
Mercury((0, I and II) inorganic);
substance concentration
micromole/cubic metre
A = 200.59 g/mol
Note(s): CAS 7439-97-6 (element); Atomic mass for elemental mercury
NPU16738
Air(amb)—Mercury((0, I and II) inorganic); subst.c. = ? μmol/m^3

Blood—
Mercury(0 and II);
substance concentration
nanomole/litre

A = 200.59 g/mol
Note(s): CAS 7439-97-6 (element); Atomic mass for elemental mercury
NPU16924
B—Mercury(0 and II); subst.c. = ? nmol/l

Cells(blood)—
Mercury(0 and II);
substance content
nanomole/kilogram
A = 200.59 g/mol
Note(s): CAS 7439-97-6 (element); Atomic mass for elemental mercury
NPU16952
Cells(b)—Mercury(0 and II); subst.cont. = ? nmol/kg

Hair—
Mercury(0 and II);
substance content
microgram/kilogram
A = 200.59 g/mol
Note(s): CAS 7439-97-6 (element); Atomic mass for elemental mercury
NPU16739
Hair—Mercury(0 and II); subst.cont. = ? μg/kg

Plasma—
Mercury(0 and II);
substance concentration
nanomole/litre
A = 200.59 g/mol
Note(s): CAS 7439-97-6 (element); Atomic mass for elemental mercury
NPU16925
P—Mercury(0 and II); subst.c. = ? nmol/l

Urine—
Mercury(II);
substance concentration
nanomole/litre
A = 200.59 g/mol
Note(s): CAS 7439-97-6 (element); Atomic mass for elemental mercury
NPU16926
U—Mercury(II); subst.c. = ? nmol/l

Water(drinking)—
Mercury((I and II) inorganic);
substance concentration
nanomole/litre
A = 200.59 g/mol
Note(s): CAS 7439-97-6 (element); Atomic mass for elemental mercury
NPU16740
Water(drinking)—Mercury((I and II) inorganic); subst.c. = ? nmol/l

Air(ambient)—
Mercury((II) bound to alkyl);
substance concentration
nanomole/cubic metre
A = 200.59 g/mol
Note(s): CAS 7439-97-6 (element); Atomic mass for elemental mercury
NPU16741
Air(amb)—Mercury((II) alkyl); subst.c. = ? nmol/m^3

Water(drinking)
Mercury((II) bound to alkyl);
substance concentration
nanomole/litre
A = 200.59 g/mol
Note(s): CAS 7439-97-6 (element); Atomic mass for elemental mercury
NPU16742
Water(drinking)—Mercury((II) alkyl); subst.c. = ? nmol/l

Air(ambient)—
Mercury((II) bound to aryl);
substance concentration
nanomole/cubic metre
A = 200.59 g/mol
Note(s): CAS 7439-97-6 (element); Atomic mass for elemental mercury
NPU16743
Air(amb)—Mercury((II) aryl); subst.c. = ? nmol/m^3

Water(drinking)
Mercury((II) bound to aryl);
substance concentration
nanomole/litre
A = 200.59 g/mol
Note(s): CAS 7439-97-6 (element); Atomic mass for elemental mercury
NPU16744
Water(drinking)—Mercury((II) aryl); subst.c. = ? nmol/l

Plasma—
DL-
Methadone;
substance concentration
micromole/litre
M = 309.45 g/mol
Other term(s): **6-(Dimethylamino)-4,4-diphenylheptan-3-one**; 1,1-Diphenyl-1-(2-dimethylaminopropyl)-2-butanone
Authority: INN
Note(s): CAS 76-99-3
NPU16745
P—DL-Methadone; subst.c. = ? μmol/l

Urine—
DL-
Methadone;
arbitrary concentration(0 1; procedure)
M = 309.45 g/mol

Other term(s): **6-(Dimethylamino)-4,4-diphenylheptan-3-one**; 1,1-Diphenyl-1-(2-dimethylaminopropyl)-2-butanone
Authority: INN
Note(s): CAS 76-99-3
NPU16746
U—DL-Methadone; arb.c.(0 1; proc.) =

Haemoglobin(total, Blood)—Methaemoglobin;
substance fraction
one
M = about 64 500 g/mol (tetramer)
Other term(s): Ferrihaemoglobin; Haemiglobin; Met Hb
Note(s): CAS 9008-37-1
NPU02725
Hb—Methaemoglobin; subst.fr. = ?

Air(ambient)—Methanol;
substance concentration
millimole/cubic metre
M = 32.04 g/mol
Other term(s): Carbinol; Columbian spirits; Methyl alcohol; Pyroligneous spirit; Wood alcohol; Wood naphtha; Wood spirit
Note(s): CAS 67-56-1
NPU16748
Air(amb)—Methanol; subst.c. = ? mmol/m^3

Blood—Methanol;
substance concentration
millimole/litre
M = 32.04 g/mol
Other term(s): Carbinol; Columbian spirits; Methyl alcohol; Pyroligneous spirit; Wood alcohol; Wood naphtha; Wood spirit
Note(s): CAS 67-56-1
NPU16749
B—Methanol; subst.c. = ? mmol/l

Water(drinking)—Methanol;
substance concentration
nanomole/litre
M = 32.04 g/mol
Other term(s): Carbinol; Columbian spirits; Methyl alcohol; Pyroligneous spirit; Wood alcohol; Wood naphtha; Wood spirit
Note(s): CAS 67-56-1
NPU16750
Water(drinking)—Methanol; subst.c. = ? nmol/l

Air(ambient)—Methomyl;
substance concentration
micromole/cubic metre
M = 162.21 g/mol
Other term(s): ***S*-Methyl (*EZ*)-*N*-[(methylcarbamoyloxy)thio]acetimidate**; Insecticide 1179; Lannate; Methyl *O*-(methylcarbamoyl)thiolacetohydroxamate; Nudrin
Authority: ISO
Note(s): CAS 16752-77-5
NPU16751
Air(amb)—Methomyl; subst.c. = ? μmol/m^3

Water(drinking)—Methomyl;
substance concentration
nanomole/litre
M = 162.21 g/mol
Other term(s): ***S*-Methyl (*EZ*)-*N*-[(methylcarbamoyloxy)thio]acetimidate**; Insecticide 1179; Lannate; Methyl *O*-(methylcarbamoyl)thiolacetohydroxamate; Nudrin
Authority: ISO
Note(s): CAS 16752-77-5
NPU16752
Water(drinking)—Methomyl; subst.c. = ? nmol/l

Air(ambient)—Methyl bromide;
substance concentration
micromole/cubic metre
M = 94.95 g/mol
Other term(s): **Bromomethane**; Monobromoethane
Note(s): CAS 74-83-9
NPU16753
Air(amb)—Methyl bromide; subst.c. = ? μmol/m^3

Water(drinking)—Methyl bromide;
substance concentration
nanomole/litre
M = 94.95 g/mol
Other term(s): **Bromomethane**; Monobromoethane
Note(s): CAS 74-83-9
NPU16754
Water(drinking)—Methyl bromide; subst.c. = ? nmol/l

Air(ambient)—Methyl isobutyl ketone;
substance concentration
millimole/cubic metre
M = 100.16 g/mol
Other term(s): **4-Methylpentan-2-one**; 4-Methyl-2-pentanone
Note(s): CAS 108-10-1
NPU16755
Air(amb)—Methyl isobutylketone; subst.c. = ? μmol/m^3

Water(drinking)—
Methyl isobutyl ketone;
substance concentration
nanomole/litre
M = 100.16 g/mol
Other term(s): **4-Methylpentan-2-one**; 4-Methyl-2-pentanone
Note(s): CAS 108-10-1
NPU16756
Water(drinking)—Methyl isobutylketone; subst.c. = ? nmol/l

Air(ambient)—
Methylene chloride;
substance concentration
micromole/cubic metre
M = 84.93 g/mol
Other term(s): **Dichloromethane**; Methylene dichloride
Note(s): CAS 75-09-2
NPU16757
Air(amb)—Methylene chloride; subst.c. = ? μmol/m^3

Urine—
3,4-
Methylenedioxyamfetamine;
arbitrary concentration(0 1; procedure)
M = 179.22 g/mol
Other term(s): **1-Benzo[1,3]dioxol-5-ylpropan-2-amine**; MDA
Authority: INN
Note(s): CAS 4764-17-4
NPU04927
U—3,4-Methylenedioxyamfetamine; arb.c.(0 1; proc.) = ?

Urine—
3,4-
Methylenedioxyethamfetamine;
arbitrary concentration(0 1; procedure)
M = 207.27 g/mol
Other term(s): **1-Benzo[1,3]dioxol-5-yl-*N*-ethyl-propan-2-amine**; MDE; MDEA
Authority: INN
Note(s): CAS 14089-52-2
NPU08923
U—3,4-Methylenedioxyethylamfetamine; arb.c.(0 1; proc.) = ?

Urine—
3,4-
Methylenedioxymethamfetamine;
arbitrary concentration(0 1; procedure)
M = 193.25 g/mol
Other term(s): **1-Benzo[1,3]dioxol-5-yl-*N*-methyl-propan-2-amine**; MDMA; Ecstasy
Authority: INN
Note(s): CAS 42542-10-9
NPU04701
U—3,4-Methylenedioxymetamfetamine; arb.c. (0 1; proc.) = ?

Blood—
Methylmercury chloride;
substance concentration
nanomole/litre
M = 251.08 g/mol
Note(s): CAS 115-09-3
NPU16758
B—Methylmercury chloride; subst.c. = ? nmol/l

Cells(Blood)—
Methylmercury chloride;
substance content
nanomole/kilogram
M = 251.08 g/mol
Note(s): CAS 115-09-3
NPU16759
Cells(B)—Methylmercury chloride; subst.cont. = ? nmol/kg

Food(specification)—
Methylmercury chloride;
substance content
nanomole/kilogram
M = 251.08 g/mol
Note(s): CAS 115-09-3
NPU16760
Food(specification)—Methylmercury chloride; subst.cont. = ? nmol/kg

Hair—
Methylmercury chloride;
substance content
nanomole/kilogram
M = 251.08 g/mol
Note(s): CAS 115-09-3
NPU16761
Hair—Methylmercury chloride; subst.cont. = ? nmol/kg

Plasma—
Methylmercury chloride;
substance concentration
nanomole/litre
M = 251.08 g/mol
Note(s): CAS 115-09-3
NPU16762
P—Methylmercury chloride; subst.c. = ? nmol/l

Air(ambient)—
2-
Methylpropan-2-ol;
substance concentration
millimole/cubic metre
M = 74.12 g/mol
Other term(s): *tert*-Butyl alcohol; Trimethyl carbinol
Note(s): CAS 75-65-0

NPU16765
Air(amb)—2-Methylpropan-2-ol; subst.c. = ? mmol/m^3

Water(drinking)—2-Methylpropan-2-ol; substance concentration micromole/litre
M = 74.12 g/mol
Other term(s): *tert*-Butyl alcohol; Trimethyl carbinol
Note(s): CAS 75-65-0
NPU16766
Water(drinking)—2-Methylpropan-2-ol; subst.c. = ? μmol/l

Water(drinking)—Mirex; substance concentration nanomole/litre
M = 545.59 g/mol
Other term(s): **Dodecachloropentacyclo[5.3.0.$0^{2,6}$.$0^{3,9}$.$0^{4,8}$]decane**; **Perchloropentacyclo[5.3.0.$0^{2,6}$.$0^{3,9}$.$0^{4,8}$]decane**; CG-1283; Dechlorane; ENT-025719; Hexachloropentadiene dimer
Authority: ISO
Note(s): CAS 2385-85-5
NPU16767
Water(drinking)—Mirex; subst.c. = ? nmol/l

Plasma—Morphine(total); substance concentration micromole/litre
M(Morphine) = 285.34 g/mol
Other term(s): **4,5-Epoxy-17-methyl-7,8-didehydromorphinan-3,6-diol**; Dolcontin; Duromorph; Morphia; Morphina; Morphium; Nepenthe
Authority: INN
Note(s): CAS 57-27-2; Total: non-glucuronidated and glucuronidated
NPU09345
P—Morphine(tot.); subst.c. = ? μmol/l

Urine—Morphine(total); arbitrary concentration(0 1; procedure)
M(Morphine) = 285.34 g/mol
Other term(s): **4,5-Epoxy-17-methyl-7,8-didehydromorphinan-3,6-diol**; Dolcontin; Duromorph; Morphia; Morphina; Morphium; Nepenthe
Authority: INN
Note(s): CAS 57-27-2; Total: non-glucuronidated and glucuronidated
NPU08985
U—Morphine(tot.); arb.c.(0 1; proc.) = ?

Urine—Morphine(total); substance concentration micromole/litre
M(Morphine) = 285.34 g/mol
Other term(s): **4,5-Epoxy-17-methyl-7,8-didehydromorphinan-3,6-diol**; Dolcontin; Duromorph; Morphia; Morphina; Morphium; Nepenthe
Authority: INN
Note(s): CAS 57-27-2; Total: non-glucuronidated and glucuronidated
NPU08986
U—Morphine(tot.); subst.c. = ? μmol/l

Urine—Morphine and analogue; arbitrary concentration(0 1; procedure)
Other term(s): Opiates
Authority: INN
Note(s): Analogue are Codeine; Diamorphine; Dihydrocodeine; Ethylmorphine; Hydrocodone; Hydromorphone; Levallorphan; Levorphanol; Nalorphine; Normorphine; Oxycodone
NPU08954
U—Morphine and analogue; arb.c.(0 1; proc.) = ?

Urine—Morphine and analogue; substance concentration micromole/litre
Other term(s): Opiates
Authority: INN
Note(s): Analogue are Codeine; Diamorphine; Dihydrocodeine; Ethylmorphine; Hydrocodone; Hydromorphone; Levallorphan; Levorphanol; Nalorphine; Normorphine; Oxycodone
NPU08988
U—Morphine and analogue; subst.c. = ? μmol/l

Urine—Morphine and analogue; taxon(procedure)
Other term(s): Opiates
Authority: INN
Note(s): Analogue are Codeine; Diamorphine; Dihydrocodeine; Ethylmorphine; Hydrocodone; Hydromorphone; Levallorphan; Levorphanol; Nalorphine; Normorphine; Oxycodone
NPU08991
U—Morphine and analogue; taxon(proc.) = ?

Air(ambient)—Morpholine; substance concentration micromole/cubic metre
M = 87.12 g/mol

Other term(s): Diethylenimide oxide; Diethylene imidoxide; Diethylene oximide; 1-Oxa-4-azacyclohexane; Tetrahydro-2*H*-1,4-oxazine; Tetrahydro-1,4-oxazine
Authority: INN
Note(s): CAS 110-91-8
NPU16768
Air(amb)—Morpholine; subst.c. = ? μmol/m^3

Water(drinking)—
Morpholine;
substance concentration
nanomole/litre
M = 87.12 g/mol
Other term(s): Diethylenimide oxide; Diethylene imidoxide; Diethylene oximide; 1-Oxa-4-azacyclohexane; Tetrahydro-2*H*-1,4-oxazine; Tetrahydro-1,4-oxazine
Authority: INN
Note(s): CAS 110-91-8
NPU16769
Water(drinking)—Morpholine; subst.c. = ? nmol/l

Plasma—
Nickel(II);
substance concentration
nanomole/litre
A = 58.69 g/mol
Note(s): CAS 7440-02-0 (element); Atomic mass for elemental nickel
NPU16927
P—Nickel(II); subst.c. = ? nmol/l

Urine—
Nickel(II);
substance concentration
nanomole/litre
A = 58.69 g/mol
Note(s): CAS 7440-02-0 (element); Atomic mass for elemental nickel
NPU16928
U—Nickel(II); subst.c. = ? nmol/l

Air(ambient)—
Nickel((0, II and III) dust and fume);
substance concentration
micromole/cubic metre
A = 58.69 g/mol
Note(s): CAS 7440-02-0 (element); Atomic mass for elemental nickel
NPU16770
Air(amb)—Nickel((0, II and III) dust and fume); subst.c. = ? μmol/m^3

Water(drinking)—
Nickel(II and III);
substance concentration
micromole/litre
A = 58.69 g/mol
Note(s): CAS 7440-02-0 (element); Atomic mass for elemental nickel
NPU16771
Water(drinking)—Nickel(II and III); subst.c. = ? μmol/l

Air(ambient)—
Nickel carbonyl;
substance concentration
nanomole/cubic metre
M = 170.74 g/mol
Other term(s): **Tetracarbonylnickel**
Note(s): CAS 13463-39-3
NPU16772
Air(amb)—Nickel carbonyl; subst.c. = ? nmol/m^3

Air(ambient)—
Nicotine;
substance concentration
micromole/cubic metre
M = 162.23 g/mol
Other term(s): **(*S*)-3-(1-methylpyrrolidin-2-yl)pyridine**; Habitrol; Nicabate; Nicoderm; Nicolan; Nicopatch; Nicotell TTS; Nicotinell; Tabazur
Authority: INN
Note(s): CAS 54-11-5
NPU16773
Air(amb)—Nicotine; subst.c. = ? μmol/m^3

Urine—
Nicotine;
arbitrary concentration(0 1; procedure)
M = 162.23 g/mol
Other term(s): **(*S*)-3-(1-methylpyrrolidin-2-yl)pyridine**; Habitrol; Nicabate; Nicoderm; Nicolan; Nicopatch; Nicotell TTS; Nicotinell; Tabazur
Authority: INN
Note(s): CAS 54-11-5
NPU04540
U—Nicotine; arb.c.(0 1; proc.) = ?

Water(drinking)—
Nicotine;
substance concentration
nanomole/litre
M = 162.23 g/mol
Other term(s): **(*S*)-3-(1-methylpyrrolidin-2-yl)pyridine**; Habitrol; Nicabate; Nicoderm; Nicolan; Nicopatch; Nicotell TTS; Nicotinell; Tabazur
Authority: INN
Note(s): CAS 54-11-5
NPU16774
Water(drinking)—Nicotine; subst.c. = ? nmol/l

Water(drinking)—
Nitrate;
substance concentration

micromole/litre
M = 62.01 g/mol
Note(s): CAS 7697-37-2 (nitric acid)
NPU16775
Water(drinking)—Nitrate; subst.c. = ? μmol/l

Air(ambient)—
Nitric oxide;
substance concentration
millimole/cubic metre
M = 30.01 g/mol
Other term(s): **Mononitrogen monoxide**; **Nitrogen monoxide**
Note(s): CAS 10102-43-9
NPU16776
Air(amb)—Nitric oxide; subst.c. = ? mmol/m^3

Water(drinking)—
Nitrite;
substance concentration
micromole/litre
M = 45.01 g/mol
Note(s): CAS 7782-77-6 (nitrous acid)
NPU16777
Water(drinking)—Nitrite; subst.c. = ? μmol/l

Air(ambient)—
Nitrogen dioxide;
substance concentration
micromole/cubic metre
M = 46.01 g/mol
Other term(s): Dinitrogen tetroxide; Nitrogen peroxide
Note(s): CAS 10102-44-0
NPU16778
Air(amb)—Nitrogen dioxide; subst.c. = ? μmol/m^3

Air(ambient)—
1-
Nitropropane;
substance concentration
millimole/cubic metre
M = 89.09 g/mol
Other term(s): Nitropropane; 1-NP
Note(s): CAS 108-03-2
NPU16779
Air(amb)—1-Nitropropane; subst.c. = ? mmol/m^3

Water(drinking)—
1-
Nitropropane;
substance concentration
nanomole/litre
M = 89.09 g/mol
Other term(s): Nitropropane; 1-NP
Note(s): CAS 108-03-2
NPU16780
Water(drinking)—1-Nitropropane; subst.c. = ? nmol/l

Air(ambient)—
2-
Nitropropane;
substance concentration
millimole/cubic metre
M = 89.09 g/mol
Other term(s): Dimethylnitromethane; *iso*-Nitropropane; 2-NP
Note(s): CAS 79-46-9
NPU16781
Air(amb)—2-Nitropropane; subst.c. = ? mmol/m^3

Water(drinking)—
2-
Nitropropane;
substance concentration
nanomole/litre
M = 89.09 g/mol
Other term(s): Dimethylnitromethane; *iso*-Nitropropane; 2-NP
Note(s): CAS 79-46-9
NPU16782
Water(drinking)—2-Nitropropane; subst.c. = ? nmol/l

Air(ambient)—
Nitrous oxide;
substance concentration
millimole/cubic metre
M = 44.01 g/mol
Other term(s): **Dinitrogen oxide**; **Dinitrogen monoxide**; Hyponitrous acid anhydride; Laughing gas
Note(s): CAS 10024-97-2
NPU16783
Air(amb)—Nitrous oxide; subst.c. = ? mmol/m^3

Air(ambient)—
Oxalate;
substance concentration
micromole/cubic metre
M(oxalic acid) = 88.04 g/mol
Other term(s): Ethanedioate
Note(s): CAS 144-62-7 (oxalic acid)
NPU16784
Air(amb)—Oxalate; subst.c. = ? μmol/m^3

Plasma—
Oxalate;
substance concentration
nanomole/litre
M(oxalic acid) = 88.04 g/mol
Other term(s): Ethanedioate
Note(s): CAS 144-62-7 (oxalic acid); Molar mass for oxalic acid
NPU16785
P—Oxalate; subst.c. = ? nmol/l

Urine—
Oxalate;

substance concentration
nanomole/litre
M(oxalic acid) = 88.04 g/mol
Other term(s): Ethanedioate
Note(s): CAS 144-62-7 (oxalic acid)
NPU16786
U—Oxalate; subst.c. = ? nmol/l

Water(drinking)
Oxalate;
substance concentration
nanomole/litre
M(oxalic acid) = 88.04 g/mol
Other term(s): Ethanedioate
Note(s): CAS 144-62-7 (oxalic acid)
NPU16787
Water(drinking)—Oxalate; subst.c. = ? nmol/l

Air(ambient)—
Ozone;
substance concentration
micromole/cubic metre
M = 48.00 g/mol
Other term(s): **Trioxygen**; Triatomic oxygen
Note(s): CAS 10028-15-6
NPU16788
Air(amb)—Ozone; subst.c. = ? μmol/m^3

Plasma—
Paracetamol;
substance concentration
millimole/litre
M = 151.17 g/mol
Other term(s): ***N*-(4-Hydroxyphenyl)acetamide**; Abensanil; Acamol; Acetalgin; *p*-Acetamidophenol; Acetaminophen; *p*-Acetaminophenol; *N*-Acetyl-aminophenol; *p*-Acetylaminphenol; Alpiny; Amadil; Anaflon; Anhiba; Apamide; APAP; Ben-u-ron; Bickie-mol; Calpol; Captin; Cetadol; Claratal; Dafalgan; Datril; Dirox; Disprol; Doliprane; Dolprone; Dymadon; Enelfa; Eneril; Eu-med; Exdol; Febrilex; Finimal; Gelocatil; Hedex; Homoolan; *p*-Hydroxyacetanilide; Korum; Momentum; Naprinol; Nobedon; Ortensan; Pacemol; Paldesic; Panadol; Panaleve; Panasorb; Panets; Panex; Panodil; Paraspen; Parelan; Parmol; Tralgon; Tylenol; Valadol
Authority: INN
Note(s): CAS 103-90-2
NPU16789
Plasma—Paracetamol; subst.c. = mmol/l

Urine—
Paraquat;
arbitrary concentration (0 1; procedure)
M = 186.00 g/mol
Other term(s): **1,1'-Dimethyl-4,4'-bipyridinium dichloride**; *N,N*'-Dimethyl-4,4'-bipyridinium dichloride; Methylviologen dichloride hydrate; Paraquat chloride; Paraquat dichloride
Authority: ISO
Note(s): CAS 1910-42-5
NPU16790
U—Paraquat; arb.c.(0 1; proc.) = ?

Air(ambient)—
Paraquat;
substance concentration
micromole/cubic metre
M = 186.00 g/mol
Other term(s): **1,1'-Dimethyl-4,4'-bipyridinium dichloride**; *N,N*'-Dimethyl-4,4'-bipyridinium dichloride; Methylviologen dichloride hydrate; Paraquat chloride; Paraquat dichloride
Authority: ISO
Note(s): CAS 1910-42-5
NPU16791
Air(amb)—Paraquat; subst.c. = ? μmol/m^3

Water(drinking)—
Paraquat;
substance concentration
nanomole/litre
M = 186.00 g/mol
Other term(s): **1,1'-Dimethyl-4,4'-bipyridinium dichloride**; *N,N*'-Dimethyl-4,4'-bipyridinium dichloride; Methylviologen dichloride hydrate; Paraquat chloride; Paraquat dichloride
Authority: ISO
Note(s): CAS 1910-42-5
NPU16792
Water(drinking)—Paraquat; subst.c. = ? nmol/l

Air(ambient)—
Parathion;
substance concentration
micromole/cubic metre
M = 291.27 g/mol
Other term(s): ***O,O*-Diethyl *O*-(4-nitrophenyl) phosphorothioate**; Diethyl parathion; Ethyl parathion; Parathion-ethyl
Authority: ISO
Note(s): CAS 56-38-2
NPU16793
Air(amb)—Parathion; subst.c. = ? μmol/m^3

Water(drinking)—
Parathion;
substance concentration
nanomole/litre
M = 291.27 g/mol
Other term(s): ***O,O*-Diethyl *O*-(4-nitrophenyl) phosphorothioate**; Diethyl parathion; Ethyl parathion; Parathion-ethyl
Authority: ISO
Note(s): CAS 56-38-2
NPU16794
Water(drinking)—Parathion; subst.c. = ? nmol/l

Air(ambient)—
Parathion-methyl;
substance concentration
micromole/cubic metre
M = 263.23 g/mol
Other term(s): ***O,O*-Dimethyl *O*-(4-nitrophenyl) phosphorothioate**; Azophos; Methylparathion
Authority: ISO
Note(s): CAS 298-00-0
NPU16763
Air(amb)—Parathion-methyl; subst.c. = ? μmol/m^3

Water(drinking)—
Parathion-methyl;
substance concentration
nanomole/litre
M = 263.23 g/mol
Other term(s): ***O,O*-Dimethyl *O*-(4-nitrophenyl) phosphorothioate**; Azophos; Methylparathion
Authority: ISO
Note(s): CAS 298-00-0
NPU16764
Water(drinking)—Parathion-methyl; subst.c. = ? nmol/l

Air(ambient)—
Particulate matter(<10 μm aerodynamic diameter, specification)
mass concentration(procedure)
milligram/cubic metre
Other term(s): "Inert" dust; Nuisance dust; PM10; PNOR
Authority: ACGIH
NPU16795
Air(amb)—Particulate matter(< 10 μm aerodyn. diam., spec.); mass.c.(proc.) = ? mg/m^3

Air(ambient)—
Particulate matter(<2.5 μm aerodynamic diameter, specification)
mass concentration(procedure)
milligram/cubic metre
Other term(s): "Inert" dust; Nuisance dust; PM2.5; PNOR
Authority: ACGIH
NPU16796
Air(amb)—Particulate matter(< 2.5 μm aerodyn. diam., spec.);
mass.c.(proc.) = ? mg/m^3

Air(ambient)—
Particulate matter(<0.1 μm aerodynamic diameter, specification)
mass concentration(procedure)
milligram/cubic metre
Other term(s): Ultrafine dust
Authority: ACGIH
NPU16797
Air(amb)—Particulate matter(< 0.1 μm aerodyn. diam., spec.);
mass.c.(proc.) = ? mg/m^3

Air(ambient)—
Pentachlorophenol;
substance concentration
micromole/cubic metre
M = 266.34 g/mol
Other term(s): PCP; Penta; 2,3,4,5,6-Pentachlorophenol
Note(s): CAS 87-86-5
NPU16798
Air(amb)—Pentachlorophenol; subst.c. = ? μmol/m^3

Water(drinking)—
Pentachlorophenol;
substance concentration
nanomole/litre
M = 266.34 g/mol
Other term(s): PCP; Penta; 2,3,4,5,6-Pentachlorophenol
Note(s): CAS 87-86-5
NPU16799
Water(drinking)—Pentachlorophenol; subst.c. = ? nmol/l

Water(drinking)—
Permethrin;
substance concentration
nanomole/litre
M = 391,29 g/mol
Other term(s): **3-Phenoxybenzyl (1*RS*,3*RS*;1*RS*,3*SR*)-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate**; 3-Phenoxybenzyl (1*RS*)-cis-trans-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate; Ambush; Corsair; Dragnet; Ectiban; Eksmin; FMC-33297; NIA-33297; Nix; NRDC-143; Pounce; PP-557; Pulvex; Pynosect; Ridect Pour-on ; S-3151; SBP-1513
Authority: ISO
Note(s): CAS 52645-53-1
NPU16800
Water(drinking)—Permethrin; subst.c. = ? nmol/l

Air(ambient)—
Phenol;
substance concentration
micromole/cubic metre
M = 94.11 g/mol
Other term(s): Benzenol; Carbolic acid; Hydroxybenzene; Monohydroxybenzene; Phenic acid; Phenyl alcohol; Phenyl hydroxide; phenylic acid
Note(s): CAS 108-95-2

NPU16801
Air(amb)—Phenol; subst.c. = ? μmol/m^3

Water(drinking)—
Phenol;
substance concentration
nanomole/litre
M = 94.11 g/mol
Other term(s): Benzenol; Carbolic acid; Hydroxybenzene; Monohydroxybenzene; Phenic acid; Phenyl alcohol; Phenyl hydroxide; Phenylic acid
Note(s): CAS 108-95-2
NPU16802
Water(drinking)—Phenol; subst.c. = ? nmol/l

Urine—
Phenothiazines;
arbitrary concentration(0 1; procedure)
M(Phenothiazine) = 199.28 g/mol
Other term(s): Forrest reactive compounds
Authority: INN
Note(s): CAS 92-84-2 (phenothiazine); Molar mass is for phenothiazine; Examples are Fluphenazin; Levomepromazin; Perazin; Perphenazin; Thioridazin
NPU16803
Urine—Phenothiazines; arb.c.(0 1; proc.) = ?

Urine—
Phenylmercapturic acid;
substance concentration
nanomole/litre
M = 239.30 g/mol
Other term(s): ***N*-Acetyl-*S*-phenyl-L-cysteine**; 2-Acetamido-3-(phenylsulfanyl)propanoic acid; 2-Acetamido-3-phenylthiopropanoic acid
Note(s): CAS 4775-80-8
NPU16804
U—Phenylmercapturic acid; subst.c. = ? nmol/l

Air(ambient)—
Phosgene;
substance concentration
micromole/cubic metre
M = 98.92 g/mol
Other term(s): **Carbonyl dichloride**; Carbon chloride oxide; Carbon oxychloride; Carbonic acid dichloride; Carbonic dichloride; Carbonodichloridic acid; Carbonyl chloride; Chloroformyl chloride; Dichloroformaldehyde, Green Cross; GC
Note(s): CAS 75-44-5
NPU16805
Air(amb)—Phosgene; subst.c. = ? μmol/m^3

Air(ambient)—
Phosphane;
substance concentration
micromole/cubic metre
M = 34.00 g/mol
Other term(s): Hydrogen phosphide; Phosphine; Phosphorated hydrogen; Phosphorus hydride; Phosphorus trihydride; Trihydridophosphorus
Note(s): CAS 7803-51-2
NPU16806
Air(amb)—Phosphane; subst.c. = ? μmol/m^3

Water(drinking)—
Phosphane;
substance concentration
micromole/litre
M = 34.00 g/mol
Other term(s): Hydrogen phosphide; Phosphine; Phosphorated hydrogen; Phosphorus hydride; Phosphorus trihydride; Trihydridophosphorus
Note(s): CAS 7803-51-2
NPU16807
Water(drinking)—Phosphane; subst.c. = ? μmol/l

Air(ambient)—
Polychlorinated biphenyls;
substance concentration
nanomole/cubic metre
M = 291.38–360.86 g/mol
Other term(s): Aroclor; Chlorinated biphenyls; Chlorobiphenyls; Clophen; Fenclor; Kanechlor; PCBs; Pyralene
Note(s): CAS 1336-36-3; Molecular mass range for possible molecules
NPU16808
Air(amb)—Polychlorinated biphenyls; subst.c. = ? nmol/m^3

Food(specification)—
Polychlorinated biphenyls;
substance content
nanomole/kg
M(interval) = 291.38–360.86 g/mol
Other term(s): Aroclor; Chlorinated biphenyls; Chlorobiphenyls; Clophen; Fenclor; Kanechlor; PCBs; Pyralene
Note(s): CAS 1336-36-3; Molecular mass range for possible molecules
NPU16809
Food(specification)—Polychlorinated biphenyls; subst.cont. = ? nmol/kg

Water(drinking)—
Polychlorinated biphenyls;
substance concentration
nanomole/litre
M(interval) = 291.38–360.86 g/mol
Other term(s): Aroclor; Chlorinated biphenyls; Chlorobiphenyls; Clophen; Fenclor; Kanechlor; PCBs; Pyralene
Note(s): CAS 1336-36-3; Molecular mass range for possible molecules
NPU16810

Water(drinking)—Polychlorinated biphenyls; subst.c. = ? nmol/l

Air(ambient)—
Propan-1-ol;
substance concentration
millimole/cubic metre
M = 60.09 g/mol
Other term(s): Ethyl carbinol; *n*-Propanol; *n*-Propyl alcohol; Propyl alcohol
Note(s): CAS 71-23-8
NPU16811
Air(amb)—Propan-1-ol; subst.c. = ? mmol/m^3

Water(drinking)—
Propan-1-ol;
substance concentration
nanomole/litre
M = 60.09 g/mol
Other term(s): Ethyl carbinol; *n*-Propanol; *n*-Propyl alcohol; Propyl alcohol
Note(s): CAS 71-23-8
NPU16812
Water(drinking)—Propan-1-ol; subst.c. = ? nmol/l

Air(ambient)—
Propan-2-ol;
substance concentration
millimole/cubic metre
M = 60.09 g/mol
Other term(s): Dimethyl carbinol; IPA; Isopropanol; Isopropyl alcohol; *sec*-Propyl alcohol; Rubbing alcohol
Note(s): CAS 67-63-0
NPU16813
Air(amb)—Propan-2-ol; subst.c. = ? mmol/m^3

Water(drinking)—
Propan-2-ol;
substance concentration
nanomole/litre
M = 60.09 g/mol
Other term(s): Dimethyl carbinol; IPA; Isopropanol; Isopropyl alcohol; *sec*-Propyl alcohol; Rubbing alcohol
Note(s): CAS 67-63-0
NPU16814
Water(drinking)—Propan-2-ol; subst.c. = ? nmol/l

Plasma—
Propoxyphene;
substance concentration
millimole/litre
M = 339.48 g/mol
Other term(s): **(+)-(2*S*,3*R*)-4-(Dimethylamino)-3-methyl-1,2-diphenylbutan-2-yl propionate hydrochloride**; Dextropropoxyphene; a-*d*-Propoxyphene
Authority: INN
Note(s): CAS 469-62-5
NPU16616
P—Propoxyphene; subst.c. = ? mmol/l

Urine—
Propoxyphene;
substance concentration
millimole/litre
M = 339.48 g/mol
Other term(s): **(+)-(2*S*,3*R*)-4-(Dimethylamino)-3-methyl-1,2-diphenylbutan-2-yl propionate hydrochloride**; Dextropropoxyphene; a-*d*-Propoxyphene
Authority: INN
Note(s): CAS 469-62-5
NPU16617
U—Propoxyphene; subst.c. = ? mmol/l

Air(ambient)—
Propylene oxide;
substance concentration
millimole/cubic metre
M = 58.08 g/mol
Other term(s): **2-Methyloxirane**; Methyl ethylene oxide; Methyloxirane; Propene oxide; 1,2-Propylene oxide
Note(s): CAS 75-56-9
NPU16815
Air(amb)—Propylene oxide; subst.c. = ? mmol/m^3

Water(drinking)—
Propylene oxide;
substance concentration
nanomole/litre
M = 58.08 g/mol
Other term(s): **2-Methyloxirane**; ethylene oxide; Methyloxirane; Propene oxide; 1,2-Propylene oxide
Note(s): CAS 75-56-9
NPU16816
Water(drinking)—Propylene oxide; subst.c. = ? nmol/l

Plasma—
Salicylate;
substance concentration
millimole/litre
M(salicylic acid) = 137.12 g/mol
Other term(s): **2-Hydroxybenzoate**; Keralyt; Occlusal; Verrugon
Authority: INN
Note(s): CAS 69-72-7 (salicylic acid)
NPU16817
Plasma—Salicylate; subst.c. = ? mmol/l

Air(ambient)—
Sarin;
substance concentration
picomole/cubic metre
M = 140.09 g/mol

Other term(s): **Isopropyl methylphosphonofluoridate**; Isopropoxymethylphosphoryl fluoride; GB; Methylphosphonofluoridic acid 1-methyl-ethyl ester
Note(s): CAS 107-44-8
NPU16818
Air(amb)—Sarin; subst.c. = ? pmol/m^3

Food(specification)—
Saxitoxin;
substance content
nanomole/kilogram
Other term(s): **(3a*S*,4*R*,10a*S*)-2,6-diamino-4-[(carbamoyloxy)methyl]-3a,4,8,9-tetrahydro-1*H*,10*H*-pyrrolo[1,2-*c*]purine-10,10-diol**; (3a*S*,4*R*,10a*S*)-2,6-diamino-4-[[(aminocarbonyl)oxy]methyl]- 3a,4,8,9-tetrahydro-1*H*,10*H*-pyrrolo[1,2-c]purine-10,10-diol; Clam poison; Gonyaulax toxin; Mussel poison; Paralytic shellfish poison; PSP; STX
M = 299.30 g/mol
Note(s): CAS 35523-89-8
NPU16819
Food(specification)—Saxitoxin; subst.cont. = ? nmol/kg

Air(ambient)—
Selenium(IV and VI);
substance concentration
nanomole/cubic metre
A = 78.96 g/mol
Note(s): CAS 7782-49-2 (element); Atomic mass for elemental selenium
NPU16820
Air(amb)—Selenium(IV and VI); subst.c. = ? nmol/m^3

Blood—
Selenium(IV and VI);
substance concentration
micromole/litre
A = 78.96 g/mol
Note(s): CAS 7782-49-2 (element); Atomic mass for elemental selenium
NPU16943
B—Selenium(IV and VI); subst.c. = ? μmol/l

Cells(blood)—
Selenium(IV and VI);
substance content
micromole/kilogram
A = 78.96 g/mol
Note(s): CAS 7782-49-2 (element); Atomic mass for elemental selenium
NPU16930
Cells(b)—Selenium(IV and VI); subst.cont. = ? μmol/kg

Hair—
Selenium(IV and VI);
substance content
micromole/kilogram
A = 78.96 g/mol
Note(s): CAS 7782-49-2 (element); Atomic mass for elemental selenium
NPU16953
Hair—Selenium(IV and VI); subst.cont. = ? μmol/kg

Plasma—
Selenium(IV and VI);
substance concentration
micromole/litre
A = 78.96 g/mol
Note(s): CAS 7782-49-2 (element); Atomic mass for elemental selenium
NPU16945
P—Selenium(IV and VI); subst.c. = ? μmol/l

Urine—
Selenium(IV and VI);
substance concentration
micromole/litre
A = 78.96 g/mol
Note(s): CAS 7782-49-2 (element); Atomic mass for elemental selenium
NPU16930
U—Selenium(IV and VI); subst.c. = ? μmol/l

Water(drinking)—
Selenium(IV and VI);
substance concentration
nanomole/litre
A = 78.96 g/mol
Note(s): CAS 7782-49-2 (element); Atomic mass for elemental selenium
NPU16821
Water(drinking)—Selenium(IV and VI); subst.c. = ? nmol/l

Air(ambient)—
Silica((IV) crystalline respirable dust(procedure);
mass concentration(procedure)
microgram/cubic metre
Other term(s): Cristobalite; Quartz; Tridymite; Tripoli
Authority: ACGIH
Note(s): CAS 14464-46-1; 14808-60-7; 15468-32-3; 1317-95-9
NPU16822
Air(amb)—Silica((IV), crystalline respirable dust(procedure)); mass c.(proc.) = ? μg/m^3

Air(ambient)—
Silver(0, I, and II);
substance concentration
nanomole/cubic metre
A = 107.87 g/mol

Note(s) 1: CAS 7440-22-4 (element); Atomic mass for elemental silver
NPU16823
Air(amb)—Silver(0, I, and II); subst.c. = ? nmol/m^3

Blood—
Silver(I and II);
substance concentration
nanomole/litre
A = 107.87 g/mol
Note(s) 1: CAS 7440-22-4 (element); Atomic mass for elemental silver
NPU16941
B—Silver(I and II); subst.c. = ? nmol/l

Plasma—
Silver(I and II);
substance concentration
nanomole/litre
A = 107.87 g/mol
Note(s) 1: CAS 7440-22-4 (element); Atomic mass for elemental silver
NPU16931
P—Silver(I and II); subst.c. = ? nmol/l

Urine—
Silver(I and II);
substance concentration
nanomole/litre
A = 107.87 g/mol
Note(s) 1: CAS 7440-22-4 (element); Atomic mass for elemental silver
NPU16942
U—Silver(I and II); subst.c. = ? nmol/l

Water(drinking)—
Silver(I and II);
substance concentration
nanomole/litre
A =107.87 g/mol
Note(s) 1: CAS 7440-22-4 (element); Atomic mass for elemental silver
NPU16824
Water(drinking)—Silver(I and II); subst.c. = ? nmol/l

Cells(blood) —
Strontium(II);
substance content
nanomole/kilogram
A = 87.62 g/mol
Note(s): CAS 7440-24-6 (element); Atomic mass for elemental strontium
NPU16954
Cells(b)—Strontium(II); subst.cont. = ? nmol/kg

Plasma—
Strontium(II);
substance concentration
nanomole/litre
A = 87.62 g/mol
Note(s): CAS 7440-24-6 (element); Atomic mass for elemental strontium
NPU16932
P—Strontium(II); subst.c. = ? nmol/l

Air(ambient)—
Strychnine;
substance concentration
nanomole/cubic metre
M = 334.42 g/mol
Other term(s): **Strychnidin-10-one**
Authority: INN
Note(s): CAS 57-24-9
NPU16827
Air(amb)—Strychnine; subst.c. = ? nmol/m^3

Urine—
Strychnine;
arbitrary concentration(0 1; procedure)
M = 334.42 g/mol
Other term(s): **Strychnidin-10-one**
Authority: INN
Note(s): CAS 57-24-9
NPU04642
U—Strychnine; arb.c.(0 1; proc.) = ?

Urine—
Strychnine;
substance concentration
micromole/litre
M = 334.42 g/mol
Other term(s): **Strychnidin-10-one**
Authority: INN
Note(s): CAS 57-24-9
NPU03497
U—Strychnine; subst.c. = ? μmol/l

Water(drinking)—
Strychnine;
substance concentration
nanomole/litre
M = 334.42 g/mol
Other term(s): **Strychnidin-10-one**
Authority: INN
Note(s): CAS 57-24-9
NPU16828
Water(drinking)—Strychnine; subst.c. = ? nmol/l

Air(ambient)—
Styrene;
substance concentration
micromole/cubic metre
M = 104.15 g/mol
Other term(s): **Ethenylbenzene;** Cinnamene; Cinnamol; Phenylethylene; Styrene monomer; Styrol; Styrolene; Vinylbenzene
Note(s): CAS 100-42-5

NPU16829
Air(amb)—Styrene; subst.c. = ? μmol/m^3

Water(drinking)—
Styrene;
substance concentration
nanomole/litre
M = 104.15 g/mol
Other term(s): **Ethenylbenzene**; Cinnamene; Cinnamol; Phenylethylene; Styrene monomer; Styrol; Styrolene; Vinylbenzene
Note(s): CAS 100-42-5
NPU16830
Water(drinking)—Styrene; subst.c. = ? nmol/l

Air(ambient)—
Sulfur dioxide;
substance concentration
micromole/cubic metre
M = 64.07 g/mol
Note(s): CAS 7446-09-6
NPU16831
Air(amb)—Sulfur dioxide; subst.c. = ? μmol/m^3

Air(ambient)—
Tecnazene;
substance concentration
nanomole/cubic metre
M = 260.88 g/mol
Other term(s): **1,2,4,5-Tetrachloro-3-nitrobenzene**; TCNB
Authority: ISO
Note(s): CAS 117-18-0
NPU16832
Air(amb)—Tecnazene; subst.c. = ? nmol/m^3

Water(drinking)—
Tecnazene;
substance concentration
nanomole/litre
M = 260.88 g/mol
Other term(s): **1,2,4,5-Tetrachloro-3-nitrobenzene**; TCNB
Authority: ISO
Note(s): CAS 117-18-0
NPU16833
Water(drinking)—Tecnazene; subst.c. = ? nmol/l

Air(ambient)—
2,3,7,8-
Tetrachlorodibenzo-*p*-dioxin;
substance concentration
nanomole/cubic metre
M = 321.97 g/mol
Other term(s): **2,3,7,8-Tetrachlorooxanthrene**; 2,3,7,8-Tetrachlorodibenzo[*b,e*][1,4]dioxine; Dioxin; Dioxine; TCBD; TCDBD; TCDD; 2,3,7,8-TCDD; 2,3,6,7-Tetrachlorodibenzodioxin
Note(s): CAS 1746-01-6
NPU16834
Air(amb)—2,3,7,8-Tetrachloro-dibenzo-*p*-dioxin; subst.c. = ? nmol/m^3

Food(specification)—
2,3,7,8-
Tetrachlorodibenzo-*p*-dioxin;
substance content
micromole/kilogram
M = 321.97 g/mol
Other term(s): **2,3,7,8-Tetrachlorooxanthrene**; 2,3,7,8-Tetrachlorodibenzo[*b,e*][1,4]dioxine; Dioxin; Dioxine; TCBD; TCDBD; TCDD; 2,3,7,8-TCDD; 2,3,6,7-Tetrachlorodibenzodioxin
Note(s): CAS 1746-01-6
NPU16835
Food(specification)—2,3,7,8-Tetrachloro-dibenzo-*p*-dioxin; subst.cont. = ? μmol/kg

Water(drinking)—
2,3,7,8-
Tetrachlorodibenzo-*p*-dioxin;
substance concentration
nanomole/litre
M = 321.97 g/mol
Other term(s): **2,3,7,8-Tetrachlorooxanthrene**; 2,3,7,8-Tetrachlorodibenzo[*b,e*][1,4]dioxine; Dioxin; Dioxine; TCBD; TCDBD; TCDD; 2,3,7,8-TCDD; 2,3,6,7-Tetrachlorodibenzodioxin
Note(s): CAS 1746-01-6
NPU16836
Water(drinking)—2,3,7,8-Tetrachloro-dibenzo-*p*-dioxin; subst.c. = ? nmol/l

Air(ambient)—
1,1,2,2-
Tetrachloroethylene;
substance concentration
millimole/cubic metre
M = 165.83 g/mol
Other term(s): **Tetrachloroethene**; Perchlorethylene; Perchloroethylene; Perk; Tetrachlorethylene
Note(s): CAS 127-18-4
NPU16837
Air(amb)—Tetrachloroethylene; subst.c. = ? mmol/m^3

Water(drinking)—
1,1,2,2-
Tetrachloroethylene;
substance concentration
nanomole/litre
M = 165.83 g/mol
Other term(s): **Tetrachloroethene**; Perchlorethylene; Perchloroethylene; Perk; Tetrachlorethylene
Note(s): CAS 127-18-4
NPU16838
Water(drinking)—Tetrachloroethylene; subst.c. = ? nmol/l

Air(ambient)—
Tetraethyllead;
substance concentration
nanomole/cubic metre
M = 323.45 g/mol
Other term(s): **Tetraethylplumbane**; Lead tetraethyl; TEL
Note(s): CAS 78-00-2
NPU16839
Air(amb)—Tetraethyl lead; subst.c. = ? nmol/m^3

Water(drinking)—
Tetraethyllead;
substance concentration
nanomole/litre
M = 323.45 g/mol
Other term(s): **Tetraethylplumbane**; Lead tetraethyl; TEL
Note(s): CAS 78-00-2
NPU16840
Water(drinking)—Tetraethyl lead; subst.c. = ? nmol/l

Urine—
Δ^6-
Tetrahydrocannabinol;
arbitrary concentration(0 1; procedure)
M = 314.47 g/mol
Authority: INN
Note(s): CAS 5957-75-5; Minor (mass fraction less than 0.01) active constituent in Marihuana (Hashish)
NPU09000
U—Δ^6-Tetrahydrocannabinol; arb.c.(0 1; proc.) = ?

Urine—
Δ^9-
Tetrahydrocannabinol;
arbitrary concentration(0 1; procedure)
M = 314.47 g/mol
Other term(s): Delta-1-tetrahydrocannabinol; Dronabinol
Authority: INN
Note(s): CAS 1972-08-3; Major active constituent in Marihuana (Hashish)
NPU08997
U—Δ^9-Tetrahydrocannabinol; arb.c.(0 1; proc.) = ?

Urine—
Δ^9-
Tetrahydrocannabinol;
substance concentration
nanomole/litre
M = 314.47 g/mol
Other term(s): Delta-1-Tetrahydrocannabinol; Dronabinol; δ-9-Tetrahydrocannabinol
Authority: INN
Note(s): CAS 1972-08-3; Major active constituent in Marihuana (Hashish)
NPU08998
U—Δ^9-Tetrahydrocannabinol; subst.c. = ? nmol/l

Food(specification)—
Tetrodotoxin;
substance content
micromole/kilogram
M = 319.27 g/mol
Other term(s): [4R-(4a,4a*a*,5a,7a,9a,10a,10aa,11*S**,12*S**)]-Octahydro-12-(hydroxymethyl)-2-imino-5,9:7,10a-dimethano-10a*H*-[1,3]dioxocino[6,5-*d*]pyrimidine-4,7,10,11,12-pentol; Fugu poison; Maculotoxin; Spheroidine; Tarichatoxin; Tetrodontoxin; TTX
Note(s): CAS 4368-28-9
NPU16841
Food(specification)—Tetrodotoxin; subst.cont. = ? μmol/kg

Air(ambient)—
Thallium(0, I and III);
substance concentration
nanomole/cubic metre
A = 204.38 g/mol
Note(s): CAS 7440-28-0 (element); Atomic mass for elemental thallium
NPU16889
Air(amb)—Thallium(0, I and III); subst.c. = ? nmol/m^3

Blood—
Thallium(I and III);
substance concentration
nanomole/litre
A = 204.38 g/mol
Note(s): CAS 7440-28-0 (element); Atomic mass for elemental thallium
NPU16933
B—Thallium(I and III); subst.c. = ? nmol/l

Hair—
Thallium(I and III);
substance content
micromole/kilogram
A = 204.38 g/mol
Note(s): CAS 7440-28-0 (element); Atomic mass for elemental thallium
NPU16842
Hair—Thallium(I and III); subst.cont. = ? mmol/kg

Urine—
Thallium(I and III);
substance concentration
nanomole/litre
A = 204.38 g/mol
Note(s): CAS 7440-28-0 (element); Atomic mass for elemental thallium
NPU16934
U—Thallium(I and III); subst.c. = ? nmol/l

Air(ambient)—
Tin(II and IV);
substance concentration
nanomole/cubic metre
A = 118.71 g/mol
Note(s): CAS 7440-31-5 (element); Atomic mass for elemental tin
NPU16843
Air(amb)—Tin(II and IV); subst.c. = ? nmol/m^3

Plasma—
Tin(II and IV);
substance concentration
nanomole/litre
A = 118.71 g/mol
Note(s): CAS 7440-31-5 (element); Atomic mass for elemental tin
NPU16935
P—Tin(II and IV); subst.c. = ? nmol/l

Air(ambient)—
Toluene;
substance concentration
millimole/cubic metre
M = 92.14 g/mol
Other term(s): Methylbenzene; Methylbenzol; Phenylmethane; Toluol
Note(s): CAS 108-88-3
NPU16844
Air(amb)—Toluene; subst.c. = ? mmol/m^3

Water(drinking)—
Toluene;
substance concentration
nanomole/litre
M = 92.14 g/mol
Other term(s): Methylbenzene; Methylbenzol; Phenylmethane; Toluol
Note(s): CAS 108-88-3
NPU16845
Water(drinking)—Toluene; subst.c. = ? nmol/l

Air(ambient)—
Toluene 2,4-diisocyanate;
substance concentration
micromole/cubic metre
M = 174.16 g/mol
Other term(s): **4-Methylbenzene-1,3-diyl diisocyanate**; 4-Methyl-1,3-phenylene diisocyanate; 2,4-Diisocyanatotoluene; 2,4-Diisocyanato-1-methyl-benzene; TDI; 2,4-TDI; 2,4-Toluene diisocyanate
Note(s): CAS 584-84-9
NPU16846
Air(amb)—Toluene 2,4-diisocyanate; subst.c. = ? μmol/m^3

Water(drinking)—
Toluene 2,4-diisocyanate;
substance concentration
nanomole/litre
M = 174.16 g/mol
Other term(s): **4-Methylbenzene-1,3-diyl diisocyanate**; 4-Methyl-1,3-phenylene diisocyanate; 2,4-Diisocyanatotoluene; 2,4-Diisocyanato-1-methyl-benzene; TDI; 2,4-TDI; 2,4-Toluene diisocyanate
Note(s): CAS 584-84-9
NPU16847
Water(drinking)—Toluene 2,4-diisocyanate; subst.c. = ? nmol/l

Air(ambient)—
Toluene 2,6-diisocyanate;
substance concentration
micromole/cubic metre
M = 174.16 g/mol
Other term(s): **2-Methylbenzene-1,3-diyl diisocyanate**; 2-Methyl-1,3-phenylene diisocyanate; 2,6-Diisocyanatotoluene; 2,6-Diisocyanato-1-methyl-benzene; TDI; 2,6-TDI; 2,6-Toluene diisocyanate
Note(s): CAS 91-08-7
NPU16848
Air(amb)—Toluene 2,6-diisocyanate; subst.c. = ? μmol/m^3

Water(drinking)—
Toluene 2,6-diisocyanate;
substance concentration
nanomole/litre
M = 174.16 g/mol
Other term(s): **2-Methylbenzene-1,3-diyl diisocyanate**; 2-Methyl-1,3-phenylene diisocyanate; 2,6-Diisocyanatotoluene; 2,6-Diisocyanato-1-methyl-benzene; TDI; 2,6-TDI; 2,6-Toluene diisocyanate
Note(s): CAS 91-08-7
NPU16849
Water(drinking)—Toluene 2,6-diisocyanate; subst.c. = ? nmol/l

Air(ambient)—
Tributyl phosphate;
substance concentration
micromole/cubic metre
M = 266.32 g/mol
Other term(s): Butyl phosphate; TBP; Tri-*n*-butyl phosphate
Note(s): CAS 126-73-8
NPU16850
Air(amb)—Tributyl phosphate; subst.c. = ? μmol/m^3

Water(drinking)—
Tributyl phosphate;
substance concentration
nanomole/litre
M = 266.32 g/mol

Other term(s): Butyl phosphate; TBP; Tri-*n*-butyl phosphate
Note(s): CAS 126-73-8
NPU16851
Water(drinking)—Tributyl phosphate; subst.c. = ? nmol/l

Air(ambient)—Tributyltin oxide; substance concentration nanomole/cubic metre
M = 595.62 g/mol
Other term(s): **Bis(tributyltin) oxide**; Biomet TBTO; Butinox; Hexabutyldistannoxane; OTBE; TBTO
Note(s): CAS 56-35-9
NPU16852
Air(amb)—Tributyltin oxide; subst.c. = ? nmol/m^3

Water(environmental)—Tributyltin oxide; substance concentration picomole/litre
M = 595.62 g/mol
Other term(s): **Bis(tributyltin) oxide**; Biomet TBTO; Butinox; Hexabutyldistannoxane; OTBE; TBTO
Note(s): CAS 56-35-9
NPU16853
Water(environmental)—Tributyltin oxide; subst.c. = ? pmol/l

Air(ambient)—Trichlorfon; substance concentration nanomole/cubic metre
M = 257.85 g/mol
Other name(s): **Dimethyl (*RS*)-2,2,2-trichloro-1-hydroxyethylphosphonate**; Bayer L 1359; Cekufon; Chlorofos; Combot; Danex; Dipterex; Dylox; Metrifonate; Neguvon; Proxol; (2,2,2-Trichloro-1-hydroxyethyl)-phosphonic acid dimethyl ester; Trichlorphene; Tugon
Authority: ISO
Note(s): CAS 52-68-6
NPU16854
Air(amb)—Trichlorfon; subst.c. = ? nmol/m^3

Water(drinking)—Trichlorfon; substance concentration nanomole/litre
M = 257.85 g/mol
Other name(s): **Dimethyl (*RS*)-2,2,2-trichloro-1-hydroxyethylphosphonate**; Bayer L 1359; Cekufon; Chlorofos; Combot; Danex; Dipterex; Dylox; Metrifonate; Neguvon; Proxol; (2,2,2-Trichloro-1-hydroxyethyl)-phosphonic acid dimethyl ester; Trichlorphene; Tugon
Authority: ISO
Note(s): CAS 52-68-6
NPU16855
Water(drinking)—Trichlorfon; subst.c. = ? nmol/l

Air(ambient)—1,1,2-Trichloroethane; substance concentration nanomole/cubic metre
M = 133.42 g/mol
Other term(s): Ethane trichloride; β-Trichloroethane; Vinyl trichloride
Note(s): CAS 79-00-5
NPU16856
Air(amb)—1,1,2-Trichloroethane; subst.c. = ? nmol/m^3

Water(drinking)—1,1,2-Trichloroethane; substance concentration nanomole/litre
M = 133.42 g/mol
Other term(s): Ethane trichloride; β-Trichloroethane; Vinyl trichloride
Note(s): CAS 79-00-5
NPU16857
Water(drinking)—1,1,2-Trichloroethane; subst.c. = ? nmol/l

Air(ambient)—Trichloroethylene; substance concentration micromole/cubic metre
M = 131.39 g/mol
Other term(s): **1,1,2-Trichloroethene**; Ethylene trichloride; TCE; Trilene
Note(s): CAS 79-01-6
NPU16858
Air(amb)—Trichloroethylene; subst.c. = ? μmol/m^3

Water(drinking)—Trichloroethylene; substance concentration nanomole/litre
M = 131.39 g/mol
Other term(s): **1,1,2-Trichloroethene**; Ethylene trichloride; TCE; Trilene
Note(s): CAS 79-01-6
NPU16859
Water(drinking)—Trichloroethylene; subst.c. = ? nmol/l

Air(ambient)—Tri-*ortho*-cresyl phosphate; substance concentration nanomole/cubic metre
M = 368.37 g/mol
Other term(s): **Tris(2-methylphenyl) phosphate**; TCP; TOCP; Tri-*o*-cresyl ester of phosphoric acid;

Tri-*o*-cresyl phosphate
Note(s): CAS 78-30-3
NPU16860
Air(amb)—Tri-*ortho*-cresyl phosphate; subst.c. = ? nmol/m^3

Water(drinking)—
Tri-*ortho*-cresyl phosphate;
substance concentration
picomole/litre
M = 368.37 g/mol
Other term(s): **Tris(2-methylphenyl) phosphate**; TCP; TOCP; Tri-*o*-cresyl ester of phosphoric acid; Tri-*o*-cresyl phosphate
Note(s): CAS 78-30-3
NPU16861
Water(drinking)—Tri-*ortho*-cresyl phosphate; subst.c. = ? pmol/l

Air(ambient)—
Triphenyl phosphate;
substance concentration
micromole/cubic metre
M = 326.28 g/mol
Other term(s): Phenyl phosphate; TPP
Note(s): CAS 115-86-6
NPU16862
Air(amb)—Triphenyl phosphate; subst.c. = ? μmol/m^3

Water(drinking)—
Triphenyl phosphate;
substance concentration
nanomole/litre
M = 326.28 g/mol
Other term(s): Phenyl phosphate; TPP
Note(s): CAS 115-86-6
NPU16863
Water(drinking)—Triphenylphosphate; subst.c. = ? nmol/l

Air(ambient)—
Tris(2,3-dibromopropyl) phosphate;
substance concentration
nanomole/cubic metre
M = 697.85 g/mol
Other term(s): Apex 462-5; Firemaster LV-T 23P; Firemaster T 23P; Flammex AP; Flammex T 23P; Fyrol HB 32; Phosphoric acid tris(2,3-dibromopropyl) ester; T 23P; Tris-BP; Tris(2,3-dibromopropyl) phosphate
Note(s): CAS 126-72-7
NPU16864
Air(amb)—Tris (2,3-dibromo-1-propyl) phosphate; subst.c. = ? nmol/m^3

Water(drinking)—
Tris(2,3-dibromopropyl) phosphate;
substance concentration
picomole/litre
M = 697.85 g/mol
Other term(s): Apex 462-5; Firemaster LV-T 23P; Firemaster T 23P; Flammex AP; Flammex T 23P; Fyrol HB 32; Phosphoric acid tris(2,3-dibromopropyl) ester; T 23P; Tris-BP; Tris(2,3-dibromopropyl) phosphate
Note(s): CAS 126-72-7
NPU16865
Water(drinking)—Tris (2,3-dibromo-1-propyl) phosphate; subst.c. = ? pmol/l

Air(ambient)—
Uranium(0, III, IV, V and VI);
substance concentration
nanomole/cubic metre
A = 238.03 g/mol
Note(s): CAS 7440-61-1 (element); Atomic mass for elemental uranium
NPU16866
Air(amb)—Uranium(0, III, IV, V and VI); subst.c. = ? nmol/m^3

Blood—
Uranium(IV and VI);
substance concentration
picomole/litre
A = 238.03 g/mol
Note(s): CAS 7440-61-1 (element); Atomic mass for elemental uranium
NPU16936
B—Uranium(IV and VI); subst.c. = ? pmol/l

Urine—
Uranium(IV and VI);
substance concentration
picomole/litre
A = 238.03 g/mol
Note(s): CAS 7440-61-1 (element); Atomic mass for elemental uranium
NPU16937
U—Uranium(IV and VI); subst.c. = ? pmol/l

Air(ambient)—
Vinyl chloride monomer;
substance concentration
micromole/cubic metre
M = 62.50 g/mol
Other term(s): **Chloroethene**; Chloroethylene; Ethylene monochloride; Monochloroethene; Monochloroethylene; VC; VCM
Note(s): CAS 75-01-4
NPU16867
Air(amb)—Vinyl chloride monomer; subst.c. = ? μmol/m^3

Water(drinking)—
Vinyl chloride monomer;
substance concentration
nanomole/litre
M = 62.50 g/mol

Other term(s): **Chloroethene**; Chloroethylene; Ethylene monochloride; Monochloroethene; Monochloroethylene; VC; VCM
Note(s): CAS 75-01-4
NPU16868
Water(drinking)—Vinyl chloride monomer; subst.c. = ? nmol/l

Air(ambient)—
Vinylidene chloride;
substance concentration
micromole/cubic metre
M = 96.94 g/mol
Other term(s): **1,1-Dichloroethene**; 1,1-DCE; 1,1-Dichloroethylene; VDC; Vinylidene chloride monomer; Vinylidene dichloride
Note(s): CAS 75-35-4
NPU16869
Air(amb)—Vinylidene chloride; subst.c. = ? μmol/m^3

Air(exhaled)—
Vinylidene chloride;
substance concentration
micromole/cubic metre
M = 96.94 g/mol
Other term(s): **1,1-Dichloroethene**; 1,1-DCE; 1,1-Dichloroethylene; VDC; Vinylidene chloride monomer; Vinylidene dichloride
Note(s): CAS 75-35-4
NPU16870
Air(exh)—Vinylidene chloride; subst.c. = ? μmol/m^3

Water(drinking)—
Vinylidene chloride;
substance concentration
nanomole/litre
M = 96.94 g/mol
Other term(s): **1,1-Dichloroethene**; 1,1-DCE; 1,1-Dichloroethylene; VDC; Vinylidene chloride monomer; Vinylidene dichloride
Note(s): CAS 75-35-4
NPU16871
Water(drinking)—Vinylidene chloride; subst.c. = ? nmol/l

Plasma—
Warfarin;
substance concentration
micromole/litre
M = 308.33 g/mol
Other term(s): **(*RS*)-2-Hydroxy-3-(3-oxo-1-phenylbutyl)-4*H*-chromen-4-one**; (*RS*)-3-(α-Acetonylbenzyl)-4-hydroxycoumarin; (*RS*)-4-Hydroxy-3-(3-oxo-1-phenylbutyl)coumarin; 4-Hydroxy-3-(3-oxo-1-phenylbutyl)-2*H*-1-benzopyran-2-one; WARF
Authority: INN
Note(s): CAS 81-81-2
NPU16872
P—Warfarin; subst.c.= ? μmol/l

Air(ambient)—
Warfarin;
substance concentration
nanomole/cubic metre
M = 308.33 g/mol
Other term(s): **(*RS*)-2-Hydroxy-3-(3-oxo-1-phenylbutyl)-4*H*-chromen-4-one**; (*RS*)-3-(α-Acetonylbenzyl)-4-hydroxycoumarin; (*RS*)-4-Hydroxy-3-(3-oxo-1-phenylbutyl)coumarin; 4-Hydroxy-3-(3-oxo-1-phenylbutyl)-2*H*-1-benzopyran-2-one; WARF
Authority: INN
Note(s): CAS 81-81-2
NPU16873
Air(amb)—Warfarin; subst.c.= ? nmol/m^3

Water(drinking)—
Warfarin;
substance concentration
nanomole/litre
M = 308.33 g/mol
Other term(s): **(*RS*)-2-Hydroxy-3-(3-oxo-1-phenylbutyl)-*4H-chromen*-4-one**; (*RS*)-3-(α-Acetonylbenzyl)-4-hydroxycoumarin; (*RS*)-4-Hydroxy-3-(3-oxo-1-phenylbutyl)coumarin; 4-Hydroxy-3-(3-oxo-1-phenylbutyl)-2*H*-1-benzopyran-2-one; WARF
Authority: INN
Note(s): CAS 81-81-2
NPU16888
Water(drinking)—Warfarin; subst.c.= ? nmol/l

Air(ambient)—
Welding fume;
mass concentration(procedure)
milligram/cubic metre
Authority: ACGIH
NPU16874
Air(amb)—Welding fume; mass c.(proc.) = ? mg/m^3

Air(ambient)—
White spirit(specification);
mass concentration(procedure)
milligram/cubic metre
Other term(s): Dry Cleaning Safety Solvent; Mineral spirits; Petroleum solvent; Spotting naphtha; Stoddard solvent
Note(s): CAS 8052-41-3; White spirit is a mixture of saturated aliphatic and alicyclic C7–C12 hydrocarbons with a mass fraction of 15–20 % of aromatic C7–C12 hydrocarbons and a boiling interval of 130–230 °C; the C9–C11 hydrocarbons (aliphatics, alicyclics and aromatics) are most abundant, constituting a mass fraction of > 0,80 of the total
NPU16875

Air(amb)—White spirit(specification); mass c.(proc.) = ? mg/m^3

Blood—
White spirit(specification);
mass concentration(procedure)
microgram/litre
Other term(s): Dry Cleaning Safety Solvent; Mineral spirits; Petroleum solvent; Spotting naphtha; Stoddard solvent
Note(s): CAS 8052-41-3; White spirit is a mixture of saturated aliphatic and alicyclic C7–C12 hydrocarbons with a mass fraction of 15–20 % of aromatic C7–C12 hydrocarbons and a boiling interval of 130–230 °C; the C9–C11 hydrocarbons (aliphatics, alicyclics and aromatics) are most abundant, constituting a mass fraction of > 0,80 of the total
NPU16876
Blood—White spirit(specification); mass c.(proc.) = ? μg/l

Air(ambient)—
Wood dust(specification);
mass concentration(procedure)
milligram/cubic metre
Authority: ACGIH
NPU16877
Air(amb)—Wood dust(spec.); mass c.(proc.) = ? mg/m^3

Air(ambient)—
***o*-**
Xylene;
substance concentration
millimole/cubic metre
M = 106.17 g/mol
Other term(s): **1,2-Dimethylbenzene**; *ortho*-Xylene; *o*-Xylol
Note(s): CAS 95-47-6
NPU16878
Air(amb)—*o*-Xylene; subst.c. = ? mmol/m^3

Water(drinking)—
***o*-**
Xylene;
substance concentration
micromole/litre
M = 106.17 g/mol
Other term(s): **1,2-Dimethylbenzene**; *ortho*-Xylene; *o*-Xylol
Note(s): CAS 95-47-6
NPU16879
Water(drinking)—*o*-Xylene; subst.c. = ? μmol/l

Air(ambient)—
***m*-**
Xylene;
substance concentration
millimole/cubic metre
M = 106.17 g/mol
Other term(s): **1,3-Dimethylbenzene**; *meta*-Xylene; *m*-Xylol
Note(s): CAS 108-38-3
NPU16880
Air(amb)—*m*-Xylene; subst.c. = ? mmol/m^3

Water(drinking)—
***m*-**
Xylene;
substance concentration
micromole/litre
M = 106.17 g/mol
Other term(s): **1,3-Dimethylbenzene**; *meta*-Xylene; *m*-Xylol
Note(s): CAS 108-38-3
NPU16881
Water(drinking)—*m*-Xylene; subst.c. = ? μmol/l

Air(ambient)—
***p*-**
Xylene;
substance concentration
millimole/cubic metre
M = 106.17 g/mol
Other term(s): **1,4-Dimethylbenzene**; *para*-Xylene; *p*-Xylol
Note(s): CAS 106-42-3
NPU16882
Air(amb)—*p*-Xylene; subst.c. = ? mmol/m^3

Water(drinking)—
***p*-**
Xylene;
substance concentration
micromole/litre
M = 106.17 g/mol
Other term(s): **1,4-Dimethylbenzene**; *para*-Xylene; *p*-Xylol
Note(s): CAS 106-42-3
NPU16883
Water(drinking)—*p*-Xylene; subst.c. = ? μ/l

Cells(Blood)—
Zinc(II);
substance content
micromole/kilogram
A = 65.38 g/mol
Note(s): CAS 7440-66-6 (element); Atomic mass for elemental zinc
NPU16938
Cells(B)—Zinc(II); subst.cont. = ? μmol/kg

Hair—
Zinc(II);
substance content
millimole/kilogram
A = 65.38 g/mol
Note(s): CAS 7440-66-6 (element); Atomic mass for elemental zinc

NPU16957
Hair—Zinc(II); subst.cont. = ? mmol/kg

Plasma—
Zinc(II);
substance concentration
micromole/litre
A = 65.38 g/mol
Note(s): CAS 7440-66-6 (element); Atomic mass for elemental zinc
NPU16939
P—Zinc(II); subst.c. = ? μmol/l

Seminal plasma—
Zinc(II);
substance concentration
micromole/litre
A = 65.38 g/mol
Note(s): CAS 7440-66-6 (element); Atomic mass for elemental zinc
NPU16940
Seminal plasma—Zinc(II); subst.c. = ? μmol/l

Water(drinking)—
Zinc(II);
substance concentration
micromole/litre
A = 65.38 g/mol
Note(s): CAS 7440-66-6 (element); Atomic mass for elemental zinc
NPU16884
Water(drinking)—Zinc(II); subst.c. = ? μmol/l

Air(ambient)—
Zinc oxide;
substance concentration
micromole/cubic metre
M = 81.38 g/mol
Note(s): CAS 1314-13-2
NPU16885
Air(amb)—Zinc oxide; subst.c. = ? $\mu mol/m^3$